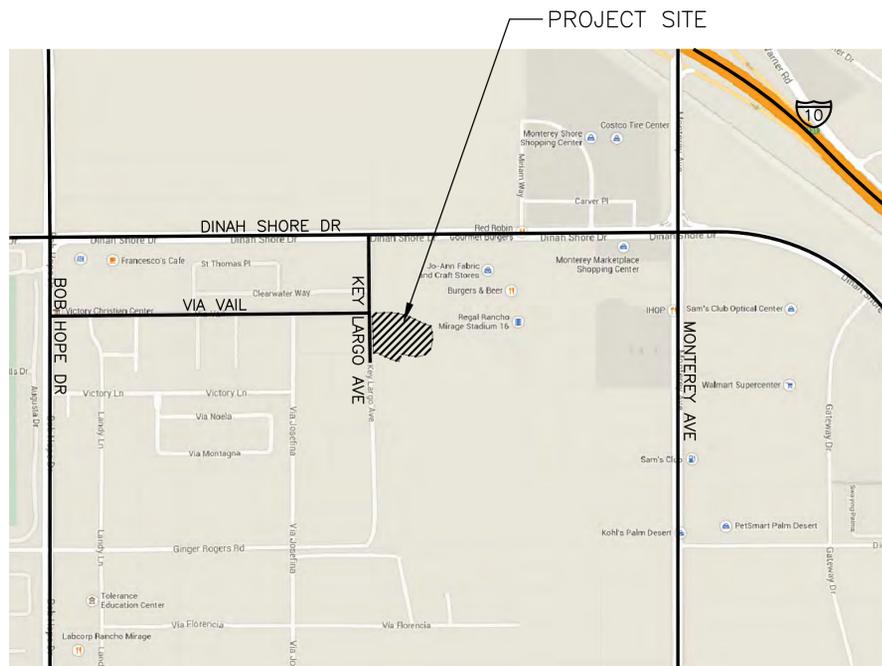


RANCHO MIRAGE DOG PARK

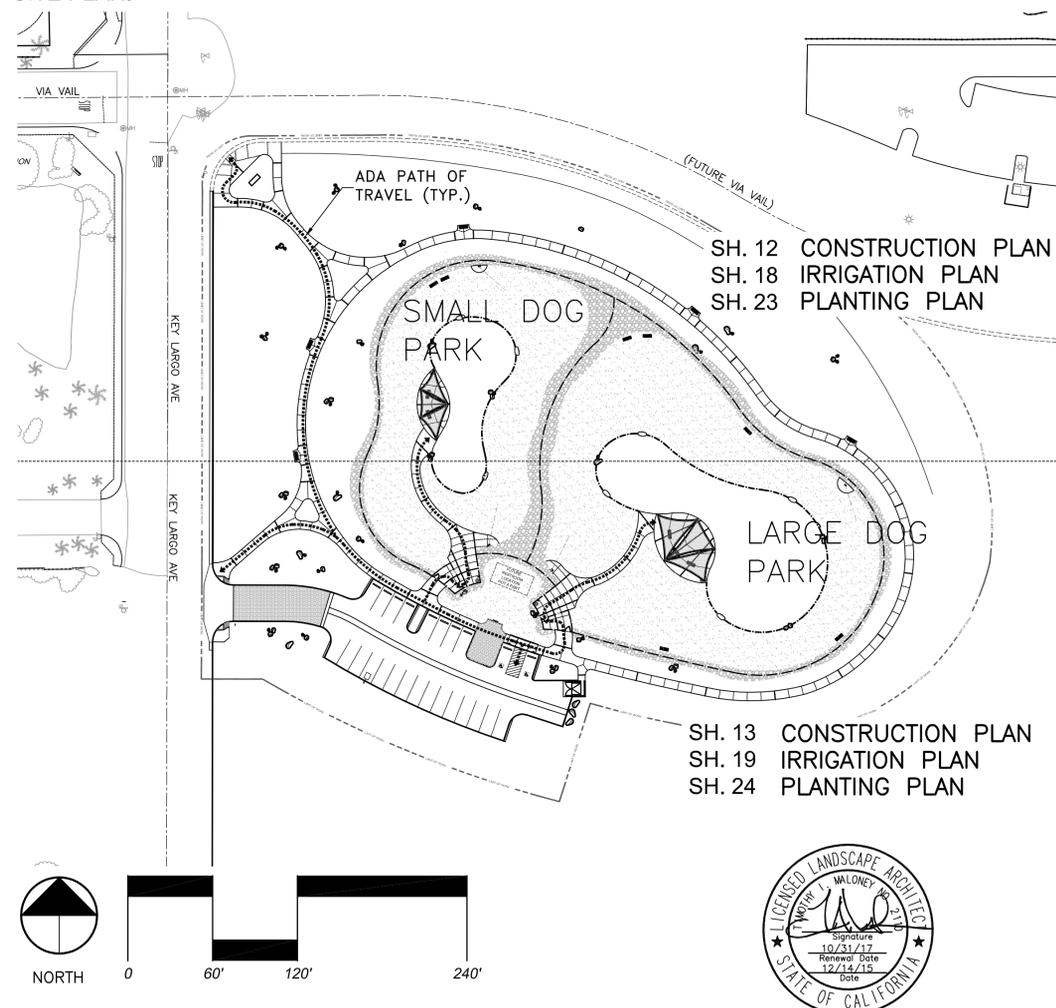
34-100 KEY LARGO AVENUE

CITY OF RANCHO MIRAGE
69825 HIGHWAY 111
RANCHO MIRAGE, CA 92270
C.P. 14-311

VICINITY MAP:



SITE PLAN:



CONSULTANTS:

CIVIL ENGINEER:
NV5, INC.
42-829 COOK STREET, SUITE 104
PALM DESERT, CA 92211
(760) 341-3101
CONTACT: BILL WARNER, P.E.

ELECTRICAL ENGINEER:
DESIGN WEST ENGINEERING
275 W. HOSPITALITY LANE, SUITE 100
SAN BERNARDINO, CA 92408
PHONE: (909) 890-3700 / FAX: (909) 890-3770
CONTACT: ROY MORALES

SHEET INDEX:

1	TITLE SHEET	18	IRRIGATION PLAN
2	WATER IMPROVEMENT PLAN	19	IRRIGATION PLAN
3	WATER IMPROVEMENT PLAN	20	IRRIGATION DETAILS
4	SEWER IMPROVEMENT PLAN	21	IRRIGATION DETAILS
5	SEWER IMPROVEMENT PLAN	22	IRRIGATION DETAILS
6	OFF-SITE IMPROVEMENT PLAN	23	PLANTING PLAN
7	OFF-SITE IMPROVEMENT PLAN	24	PLANTING PLAN
8	OFF-SITE IMPROVEMENT PLAN	25	PLANTING DETAILS
9	GRADING PLAN	26	PLANTING DETAILS
10	GRADING PLAN	27	ELECTRICAL NOTES
11	GRADING PLAN	28	LUMINAIRE SCHEDULE
12	CONSTRUCTION PLAN	29	ENERGY COMPLIANCE FORMS
13	CONSTRUCTION PLAN	30	ELECTRICAL SITE PLAN
14	CONSTRUCTION DETAILS	31	PHOTOMETRIC SITE PLAN
15	CONSTRUCTION DETAILS	32	ELECTRICAL DETAILS
16	CONSTRUCTION DETAILS	33	ELECTRICAL SPECIFICATIONS
17	CONSTRUCTION DETAILS		



NORTH
NOT TO SCALE



NORTH
0 60' 120' 240'



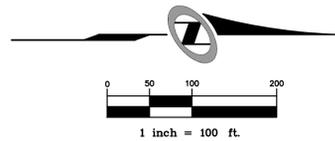
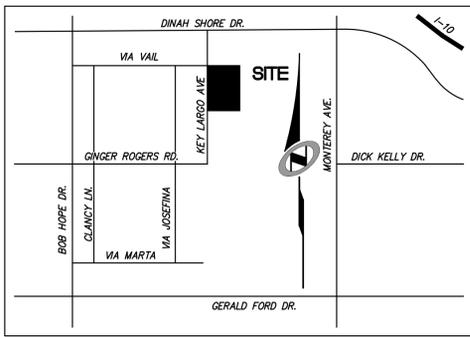
<p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 4216 OF THE GOVERNMENT CODE REQUIRES AN INDUSTRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE ISSUED. FOR YOUR PRE-EXCAVATION ID NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.</p> <p>ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.</p>	<table border="1"> <thead> <tr> <th>#</th> <th>REVISIONS</th> <th>DATE</th> <th>APP.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ADDENDUM #1</td> <td>1/21</td> <td></td> </tr> </tbody> </table>	#	REVISIONS	DATE	APP.	1	ADDENDUM #1	1/21		<p>COMMUNITY WORKS DESIGN GROUP 4649 BROCKTON AVENUE 951-369-0700 RIVERSIDE, CA 92506</p> <p>CITY OF RANCHO MIRAGE 69825 HIGHWAY 111 RANCHO MIRAGE, CA 92270 760-770-3224</p>	<p>PREPARED UNDER THE DIRECT SUPERVISION OF:</p> <p><i>Tim Maloney</i> TIM MALONEY, RLA 2110, EXP. 10/31/17 DATE 12/14/15</p> <p>GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:</p> <p><i>Brett S. Anderson</i> BRETT S. ANDERSON, PRINCIPAL ENGINEER R.C.E. C45389, EXP. 9/30/16 DATE 12/14/15</p>	<p>RECOMMENDED FOR APPROVAL BY:</p> <p><i>Mark W. Sambito</i> MARK W. SAMBITO R.C.E. 53613, EXP. 6/30/2017 DATE 6/30/2017</p> <p>APPROVED BY CITY OF RANCHO MIRAGE:</p> <p><i>William A. Enos</i> WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017 DATE</p>	<p>CITY OF RANCHO MIRAGE</p> <p>TITLE SHEET</p> <p>PROJECT: RANCHO MIRAGE DOG PARK DESCRIPTION: C.P. 14-311 SITE ADDRESS: 34-100 KEY LARGO AVENUE LEGAL DESCRIPTION: A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011</p>	<p>SHEET 1 OF 33</p> <p>PRIVATE REFERENCE # 150109</p> <p>PERMIT # E1500165</p>
		#	REVISIONS	DATE	APP.										
1	ADDENDUM #1	1/21													

Jan 21, 2016 - 8:06am Allison Rush
F:\Rancho Mirage Dog Park\CD's\Cover.dwg

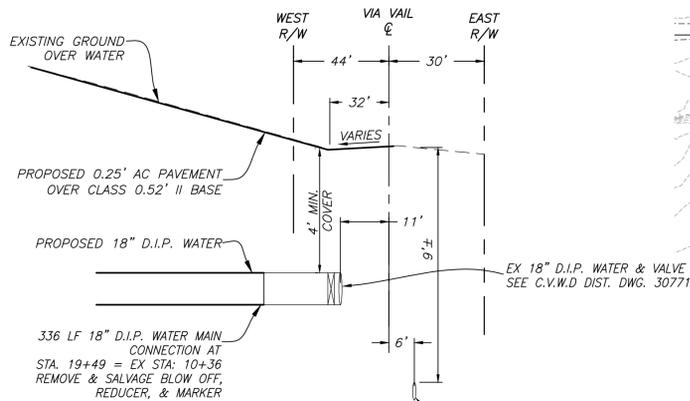
CITY OF RANCHO MIRAGE, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA,
A PORTION OF THE NE 1/4 OF SECTION 30, TOWNSHIP 4 SOUTH, RANGE 6 EAST, S.B.B.&M

IP NO. E1500165
COUNTY OF RIVERSIDE
PARCEL C
PARCEL MAP NO. 27225

KEY LARGO AVENUE WATER IMPROVEMENT PLAN



VICINITY MAP
(NO SCALE)
THOMAS GUIDE MAP 2009 EDITION
PAGE 819, GRID G-6
SECTION 30, TOWNSHIP 4 SOUTH, RANGE 6 EAST



CONNECTION DETAIL
KEY LARGO ± VIA VAIL
N.T.S.

- LEGEND:**
- INDICATES RIGHT OF WAY
 - INDICATES PROPERTY LINE
 - INDICATES CENTER LINE
 - INDICATES EDGE OF PAVEMENT
 - SS--- INDICATES EXISTING 12" VCP SEWER MAIN - CVWD
 - W--- INDICATES PROPOSED 12" WATER
 - SS--- INDICATES PROPOSED 8" VCP SEWER
 - W--- INDICATES EXISTING 8" WATER MAIN - CVWD
 - HD--- INDICATES IID OVERHEAD ELECTRICAL LINE
 - VERIZON--- INDICATES OVERHEAD VERIZON PHONE LINE
 - INDICATES PROPOSED WATER METER
 - INDICATES PROPOSED FIRE HYDRANT
 - INDICATES PROPOSED GATE VALVE
 - INDICATES PROPOSED BUTTERFLY VALVE
 - INDICATES PROPOSED REDUCER
 - INDICATES PROPOSED 6" BLIND FLANGE
 - INDICATES PROPOSED WATER/IRR. SERVICE
 - INDICATES PROPOSED CURB & GUTTER

- ABBREVIATIONS**
- R/W INDICATES RIGHT OF WAY
 - ± INDICATES CENTERLINE
 - INV INDICATES INVERT ELEVATION
 - RIM INDICATES RIM ELEVATION OF MANHOLE
 - PVC INDICATES POLYVINYL CHLORIDE PIPE
 - VCP INDICATES VITRIFIED CLAY PIPE
 - D.I. INDICATES DUCTILE IRON
 - D.I.P. INDICATES DUCTILE IRON PIPE
 - EP INDICATES EDGE OF PAVEMENT
 - C&G INDICATES CURB AND GUTTER

- CONSTRUCTION QUANTITIES:**
- | | | |
|----|--|--------|
| 1 | FURNISH & INSTALL 18" D.I.P. WATER MAIN WITH RESTRAINED JOINTS AND POLYETHYLENE ENCASEMENT | 336 LF |
| 2 | NOT USED | |
| 3 | FURNISH & INSTALL WATER METER PER CVWD STD. DWG. W-9 (SIZE TO BE DETERMINED BY CVWD) | 1 EA |
| 4 | NOT USED | |
| 5 | FURNISH & INSTALL IRRIGATION METER PER CVWD STD. DWG. W-9 (SIZE TO BE DETERMINED BY CVWD) | 1 EA |
| 6 | FURNISH & INSTALL 18" X 6" D.I. REDUCER | 1 EA |
| 7 | FURNISH & INSTALL FIRE HYDRANT PER CVWD STD. W-34A | 1 EA |
| 8 | FURNISH & INSTALL 18" BUTTERFLY VALVE | 1 EA |
| 9 | FURNISH & INSTALL 6" BLIND FLANGE | 1 EA |
| 10 | FURNISH & INSTALL 4"x4" MARKER POST | 1 EA |
| 11 | FURNISH & INSTALL 12" D.I.P. WATER MAIN WITH RESTRAINED JOINTS AND POLYETHYLENE ENCASEMENT | 30 LF |

QUANTITIES SHOWN HEREON ARE FOR PERMIT PURPOSES ONLY, IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN HIS OWN ESTIMATE OF QUANTITIES FOR PAYMENT PURPOSES.

SHEET INDEX
SHEET 2 - TITLE SHEET
SHEET 3 - WATER PLAN & PROFILE

OWNER / APPLICANT:
CITY OF RANCHO MIRAGE
69825 HIGHWAY 111
RANCHO MIRAGE, CA 92270
PH: (760) 770-3224 FAX: (760)770-3261

SITE ADDRESS:
KEY LARGO AVE AND VIA VAIL
RANCHO MIRAGE, CA 92270

GENERAL PLAN:
LAND USE DESIGNATION: AGRICULTURAL

NOTE
CVWD WILL NOT BE RESPONSIBLE FOR REPLACING AND/OR MAINTAINING ANY DECORATIVE CONCRETE AND/OR LANDSCAPING INSTALLED OVER WATER MAIN LINES AND VALVES.

CVWD REFERENCE DRAWINGS:
WATER DRAWINGS NO. 28777 & 30771
SEWER DRAWINGS NO. 28780 & 28773

ASSESSOR'S PARCEL NO.:
685-090-011

ACREAGE:
GROSS: 52.48 ACRES
NET: 52.48 ACRES

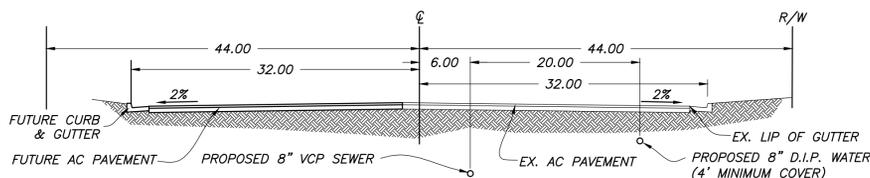
LAND USE:
EXISTING: VACANT LAND
PROPOSED: DOG PARK

ZONING:
EXISTING: R-1-12,000
PROPOSED: R-1

UTILITIES:

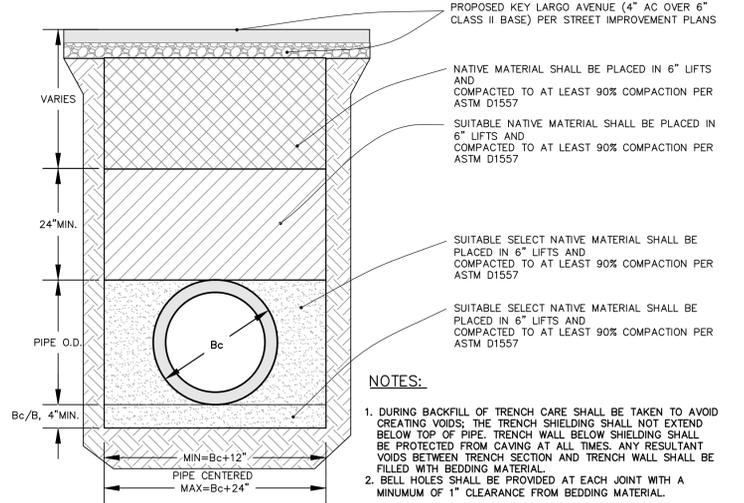
ELECTRIC:	IMPERIAL IRRIGATION DISTRICT	(760)398-5823
TELEPHONE:	VERIZON	(760)864-1726
GAS:	THE GAS COMPANY	(909)335-7507
WATER:	COACHELLA VALLEY WATER DISTRICT	(760)398-2651
SEWER:	COACHELLA VALLEY WATER DISTRICT	(760)398-2651
CABLE:	TIME WARNER CABLE	(760)674-5453
SCHOOL DISTRICT:	DESERT SANDS UNIFIED SCHOOL DISTRICT	(760)777-4200

STATIC PRESSURE
118 psi
VALLEY ZONE



TYPICAL STREET SECTION
KEY LARGO AVE. (PUBLIC STREET)

PAVED ROADWAY SECTION
BACKFILL DESIGN FACTORS
TYPE 3 BEDDING
PIPE MATERIAL: DUCTILE IRON PIPE
PIPE SIZE: 18"
SOIL WEIGHT: 119.6
TRENCH WIDTH: 42" MAX/30" MIN
COVER: 48" MIN



18" D.I.P. TRENCH DETAIL
SOIL CLASS PER ASTM D2321
NOT TO SCALE
FACTOR OF SAFETY = 3.0

PRESSURIZED PIPELINE TRENCH DETAIL

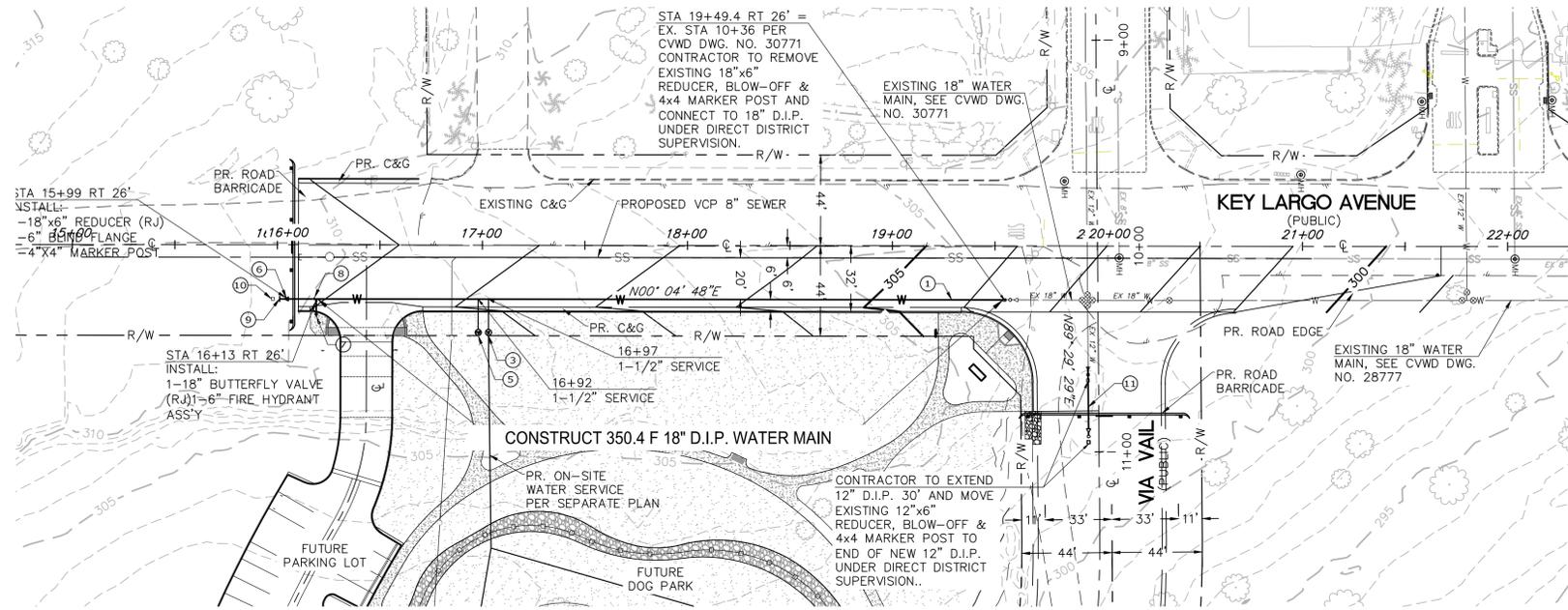
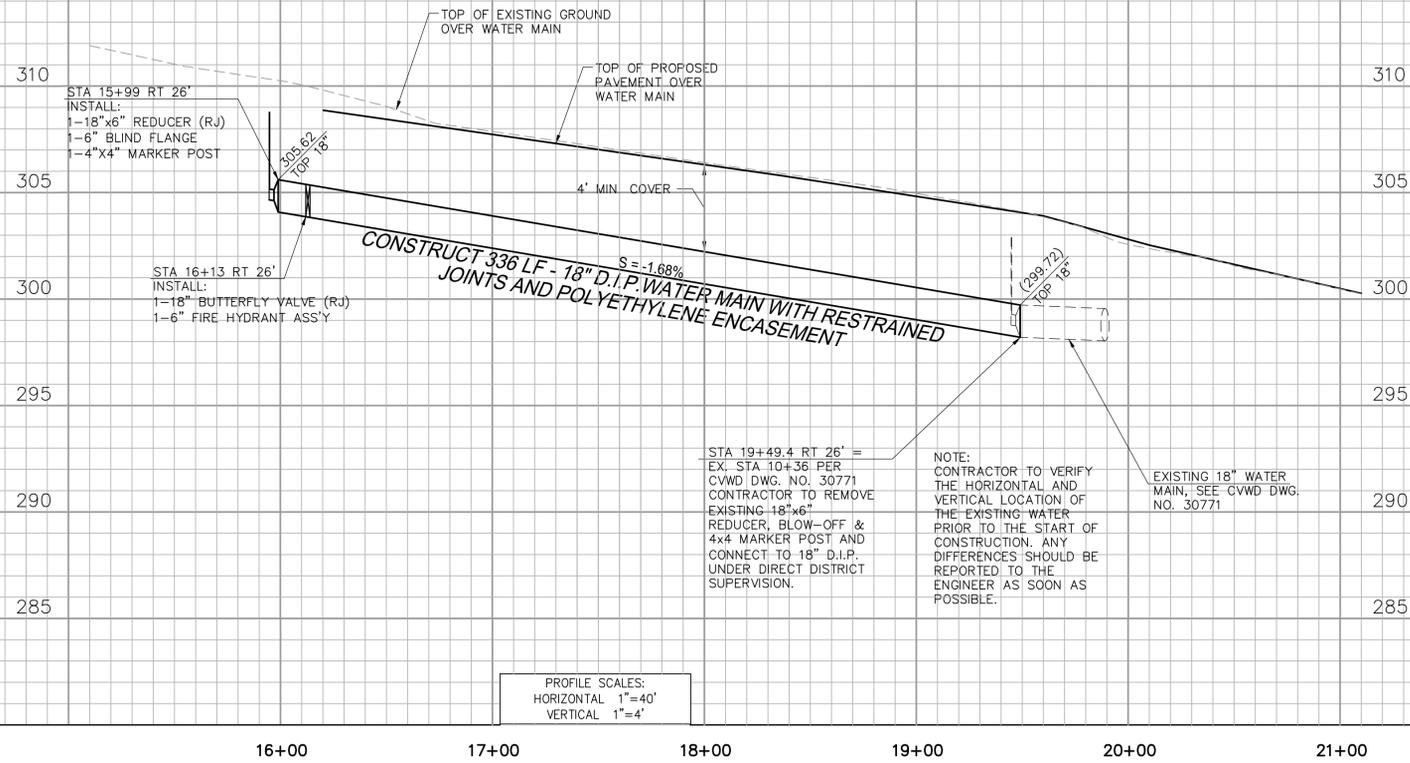
NOTES:

- DURING BACKFILL OF TRENCH CARE SHALL BE TAKEN TO AVOID CREATING VOIDS; THE TRENCH SHIELDING SHALL NOT EXTEND BELOW TOP OF PIPE. TRENCH WALL BELOW SHIELDING SHALL BE PROTECTED FROM CAVING AT ALL TIMES. ANY RESULTANT VOIDS BETWEEN TRENCH SECTION AND TRENCH WALL SHALL BE FILLED WITH BEDDING MATERIAL.
- BELL HOLES SHALL BE PROVIDED AT EACH JOINT WITH A MINIMUM OF 1" CLEARANCE FROM BEDDING MATERIAL.



(PLAN CHECK ENGINEER STAMP)

<p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 0116 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE MAILED. FOR YOUR PRE-EXCAVATION ID NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.</p> <p>ENGINEER'S NOTE TO CONTRACTOR: CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.</p>	<table border="1"> <thead> <tr> <th>#</th> <th>REVISIONS</th> <th>DATE</th> <th>APP.</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	#	REVISIONS	DATE	APP.					<p>BENCHMARK CITY OF RANCHO MIRAGE RM 50, MONTEREY AVENUE/MARKET PLACE WAY, AT THE SOUTHERLY EOR, SOUTHWESTERLY CURB RETURN OF MONTEREY AVENUE AND MARKET PLACE WAY. 2-1/2" BRASS DISK IN TC. STAMPED "CITY OF RANCHO MIRAGE RM 50 RESET 9-28-06 BENCHMARK" ELEVATION 249.305 (NAVD83)</p> <p>BASIS OF BEARING THE BEARINGS SHOWN HEREON ARE BASED ON THE WEST LINE OF THE NW 1/4 OF THE NE 1/4 OF SECTION 30, T. 4 S., R. 6 E., SHOWN AS N 00°04' 48" E PER PM 178/63-68.</p>	<p>PREPARED UNDER THE DIRECT SUPERVISION OF: SCOTT R. VINTON R.C.E. C-54703 EXP. 12/31/15 DATE</p> <p>RECOMMENDED FOR APPROVAL BY: MARK W. SAMBITO R.C.E. 53613, EXP. 6/30/2017 DATE</p> <p>APPROVED BY CITY OF RANCHO MIRAGE:</p> <p>WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017 DATE</p>	<p>CITY OF RANCHO MIRAGE RANCHO MIRAGE DOG PARK WATER IMPROVEMENT PLAN COVER SHEET KEY LARGO AVENUE LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B.&M. A.P.N. 685-090-011</p>	<p>SHEET 2 OF 33 PRIVATE REFERENCE # PD8033900 CITY REFERENCE # E1500165</p>
			#	REVISIONS	DATE	APP.								
<p>OWNER CITY OF RANCHO MIRAGE 69825 HIGHWAY 111 RANCHO MIRAGE CA 92270 PH 760 770-3224 FAX 760 770-3281</p>	<p>PREPARED UNDER THE DIRECT SUPERVISION OF: SCOTT R. VINTON R.C.E. C-54703 EXP. 12/31/15 DATE</p> <p>RECOMMENDED FOR APPROVAL BY: MARK W. SAMBITO R.C.E. 53613, EXP. 6/30/2017 DATE</p> <p>APPROVED BY CITY OF RANCHO MIRAGE:</p> <p>WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017 DATE</p>													



CONSTRUCTION NOTES

- ① FURNISH & INSTALL 18" D.I.P. WATER MAIN WITH RESTRAINED JOINTS AND POLYETHYLENE ENCASUREMENT
- ② NOT USED
- ③ FURNISH & INSTALL WATER METER PER CVWD STD. DWG. W-9 (SIZE TO BE DETERMINED BY CVWD)
- ④ NOT USED
- ⑤ FURNISH & INSTALL IRRIGATION METER PER CVWD STD. DWG. W-9 (SIZE TO BE DETERMINED BY CVWD)
- ⑥ FURNISH & INSTALL 18" X 6" D.I. REDUCER
- ⑦ FURNISH & INSTALL FIRE HYDRANT PER CVWD STD. W-34A
- ⑧ FURNISH & INSTALL 18" BUTTERFLY VALVE
- ⑨ FURNISH & INSTALL 6" BLIND FLANGE
- ⑩ FURNISH & INSTALL 4"x4" MARKER POST
- ⑪ FURNISH & INSTALL 12" D.I.P. WATER MAIN WITH RESTRAINED JOINTS AND POLYETHYLENE ENCASUREMENT

NOTE: CONTRACTOR SHALL CONFIRM ALL EXISTING ELEVATIONS PRIOR TO MAKING CONNECTIONS TO EXISTING UTILITIES.



(PLAN CHECK ENGINEER STAMP)

AL:\P02033900\Draw\04_Meter\PD033900-WATER.dwg Layout: 3 Dec 15, 2015 - 6:32am

IMPORTANT NOTICE
CALL BEFORE YOU DIG
SECTION 4116 OF THE GOVERNMENT CODE
REQUIRES AN INQUIRY
IDENTIFICATION NUMBER BE
ISSUED BEFORE A PERMIT TO
DIGGAGE WILL BE VALID. FOR
YOUR PRE-EXCAVATION ID NUMBER CALL
TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

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#	REVISIONS	DATE	APP.

BENCHMARK
CITY OF RANCHO MIRAGE RM 50, MONTEREY AVENUE/MARKET PLACE WAY, AT THE SOUTHERLY ECR, SOUTHWESTERLY CURB RETURN OF MONTEREY AVENUE AND MARKET PLACE WAY, 2-1/2" BRASS DISK IN TC, STAMPED "CITY OF RANCHO MIRAGE RM 50 RESET 9-28-06 BENCHMARK ELEVATION 249.305 (NAVD83)"

BASIS OF BEARING
THE BEARINGS SHOWN HEREON ARE BASED ON THE WEST LINE OF THE NW 1/4 OF THE NE 1/4 OF SECTION 30, T. 4 S., R. 6 E., SHOWN AS N 00°04' 48" E PER PM 178/63-68.

NIV5

42-829 COOK STREET SUITE 104
760.341.3101 TEL. 760.341.5998 FAX
PALM DESERT CA 92211 714
WWW.NIV5.COM

OWNER
CITY OF RANCHO MIRAGE
69825 HIGHWAY 111
RANCHO MIRAGE CA 92270
PH 760 770-3224 FAX 760 770-3281

PREPARED UNDER THE DIRECT SUPERVISION OF:
SCOTT R. VINTON
R.C.E. C-54703 EXP. 12/31/15 DATE

RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO
R.C.E. 53613, EXP. 6/30/2017 DATE

APPROVED BY CITY OF RANCHO MIRAGE:
WILLIAM A. ENOS, CITY ENGINEER
R.C.E. 43910, EXP. 6/30/2017 DATE

CITY OF RANCHO MIRAGE
RANCHO MIRAGE DOG PARK
WATER IMPROVEMENT PLAN

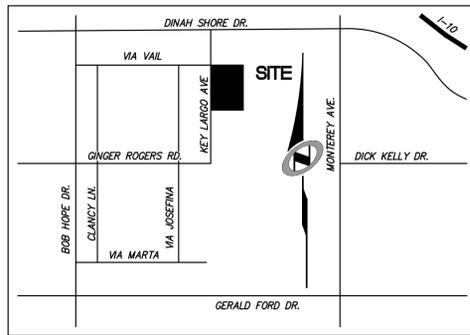
PROJECT DESCRIPTION
WATER PLAN AND PROFILE

SITE ADDRESS
KEY LARGO AVENUE

LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF
SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

SHEET	3
OF	33
PRIVATE REFERENCE #	PD033900
CITY REFERENCE #	E1500165

CITY OF RANCHO MIRAGE, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA,
 A PORTION OF THE NE 1/4 OF SECTION 30, TOWNSHIP 4 SOUTH, RANGE 6 EAST, S.B.B.&M
 IP NO. E1500165
 COUNTY OF RIVERSIDE
 PARCEL C
 PARCEL MAP NO. 27225
**KEY LARGO AVENUE
 SEWER IMPROVEMENT PLAN**



VICINITY MAP
 (NO SCALE)
 THOMAS GUIDE MAP, 2009 EDITION
 PAGE 819, GRID G-6
 SECTION 30, TOWNSHIP 4 SOUTH, RANGE 6 EAST

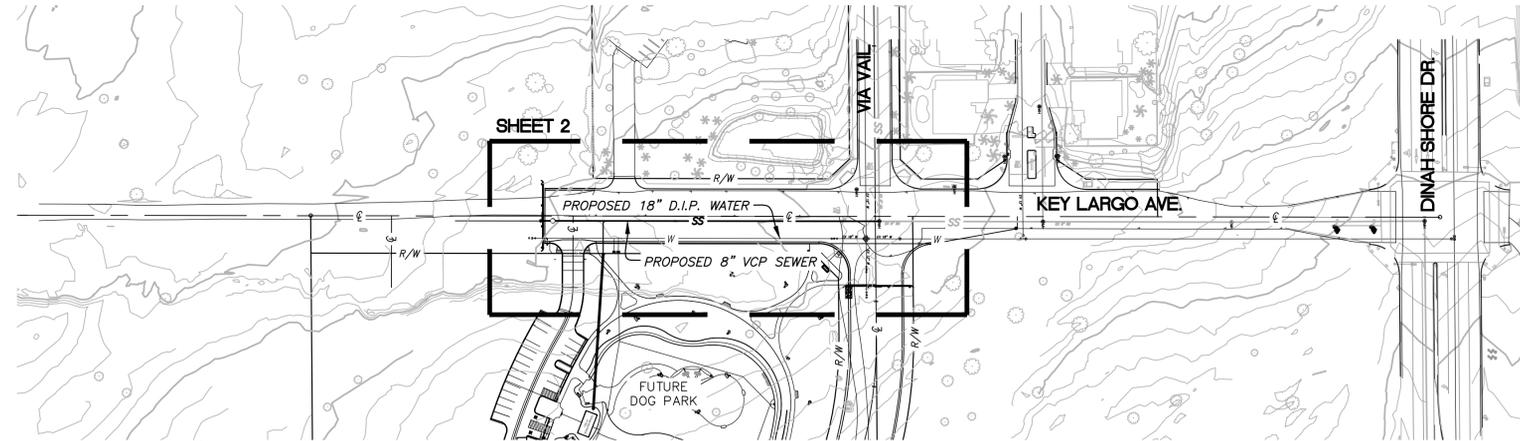
- LEGEND:**
- INDICATES RIGHT OF WAY
 - INDICATES PROPERTY LINE
 - INDICATES CENTER LINE
 - INDICATES EDGE OF PAVEMENT
 - SS--- INDICATES EXISTING 12" VCP SEWER MAIN - CVWD
 - W--- INDICATES PROPOSED 12" WATER
 - SS--- INDICATES PROPOSED 8" VCP SEWER
 - W--- INDICATES EXISTING 8" WATER MAIN - CVWD
 - HD--- INDICATES IID OVERHEAD ELECTRICAL LINE
 - VERIZON--- INDICATES OVERHEAD VERIZON PHONE LINE
 - INDICATES PROPOSED WATER METER
 - INDICATES PROPOSED FIRE HYDRANT
 - INDICATES PROPOSED GATE VALVE
 - INDICATES PROPOSED REDUCER
 - INDICATES PROPOSED SEWER MANHOLE
 - INDICATES PROPOSED SEWER LATERAL
 - INDICATES PROPOSED CURB & GUTTER

- ABBREVIATIONS**
- R/W INDICATES RIGHT OF WAY
 - ⊙ INDICATES CENTERLINE
 - INV INDICATES INVERT ELEVATION
 - T.M.H. INDICATES TOP OF MANHOLE ELEVATION
 - PVC INDICATES POLYVINYL CHLORIDE PIPE
 - VCP INDICATES VITRIFIED CLAY PIPE
 - D.I. INDICATES DUCTILE IRON
 - D.I.P. INDICATES DUCTILE IRON PIPE
 - EX. INDICATES EXISTING
 - PROP. INDICATES PROPOSED
 - M.H. INDICATES MANHOLE
 - EP INDICATES EDGE OF PAVEMENT
 - C.O. INDICATES CLEAN OUT

- CONSTRUCTION QUANTITIES:**
- ① FURNISH & INSTALL 8" VCP SEWER LINE 393 LF
 - ② FURNISH & INSTALL 6" VCP SEWER LATERAL 38 LF
 - ③ FURNISH & INSTALL 60" DIA. SEWER MANHOLE PER CVWD STD. DWG. S-5 1 EA
 - ④ FURNISH & INSTALL 6" CLEANOUT PER CVWD STD. DWG. S-6 1 EA

QUANTITIES SHOWN HEREON ARE FOR PERMIT PURPOSES ONLY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN HIS OWN ESTIMATE OF QUANTITIES FOR PAYMENT PURPOSES.

SHEET INDEX
 SHEET 4 - TITLE SHEET
 SHEET 5 - SEWER PLAN & PROFILE



OWNER / APPLICANT:

CITY OF RANCHO MIRAGE
 69-825 HIGHWAY 111
 RANCHO MIRAGE, CA 92270
 PH: (760) 324-4511 FAX: (760)324-8830

SITE ADDRESS:
 KEY LARGO AVE. AT VIA VALE
 RANCHO MIRAGE, CA 92270

GENERAL PLAN:
 LAND USE DESIGNATION: MDR (2-5 DU/ACRE)

NOTE
 CVWD WILL NOT BE RESPONSIBLE FOR REPLACING AND/OR MAINTAINING ANY DECORATIVE CONCRETE AND/OR LANDSCAPING INSTALLED OVER WATER MAIN LINES AND VALVES.

CVWD REFERENCE DRAWINGS:

WATER DRAWING NO. 28777
 SEWER DRAWING NO. 28780 & 28773

ASSESSOR'S PARCEL NO.:

685-090-011

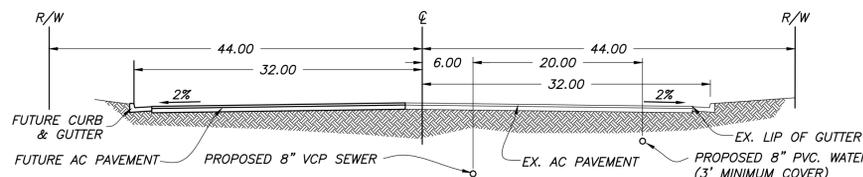
ACREAGE:
 GROSS: 52.48 ACRES
 NET: 52.48 ACRES

LAND USE:
 EXISTING: VACANT LAND
 PROPOSED: DOG PARK

ZONING:
 EXISTING: R-1-12,000
 PROPOSED: R-1

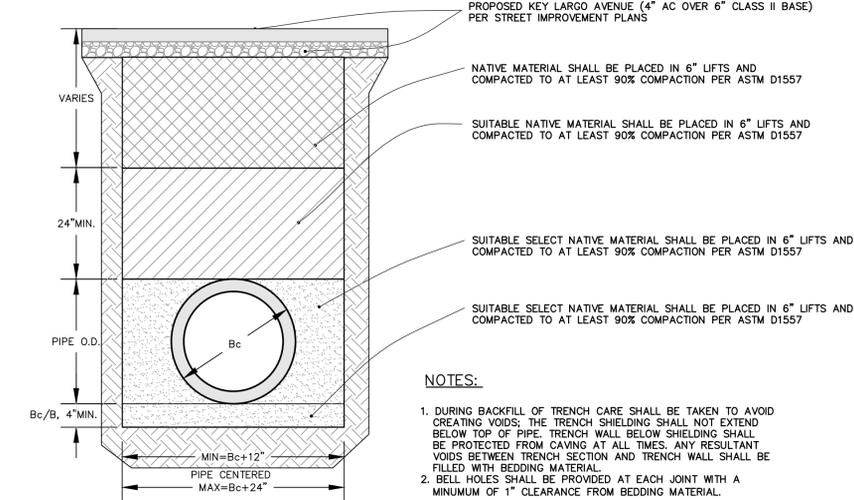
UTILITIES:

ELECTRIC: IMPERIAL IRRIGATION DISTRICT (760)398-5823
 TELEPHONE: VERIZON (760)864-1726
 GAS: THE GAS COMPANY (909)335-7507
 WATER: COACHELLA VALLEY WATER DISTRICT (760)398-2651
 SEWER: COACHELLA VALLEY WATER DISTRICT (760)398-2651
 CABLE: TIME WARNER CABLE (760)674-5453
 SCHOOL DISTRICT: DESERT SANDS UNIFIED SCHOOL DISTRICT (760)777-4200



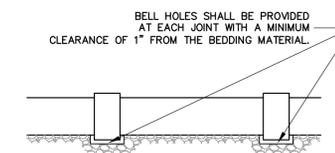
**TYPICAL STREET SECTION
 KEY LARGO AVE. (PUBLIC STREET)**

PAVED ROADWAY SECTION
 BACKFILL DESIGN FACTORS
 TYPE 3 BEDDING
 PIPE MATERIAL: VITRIFIED CLAY PIPE
 PIPE SIZE: 8"
 SOIL WEIGHT: 119.6
 TRENCH WIDTH: 32" MAX/24" MIN
 COVER: 12.1' MAX/6.3' MIN



8" VCP TRENCH DETAIL
 SOIL CLASS PER ASTM D2321
 NOT TO SCALE
 FACTOR OF SAFETY = 2.5

NON-PRESSURIZED PIPELINE TRENCH DETAIL

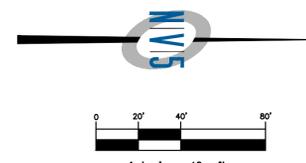
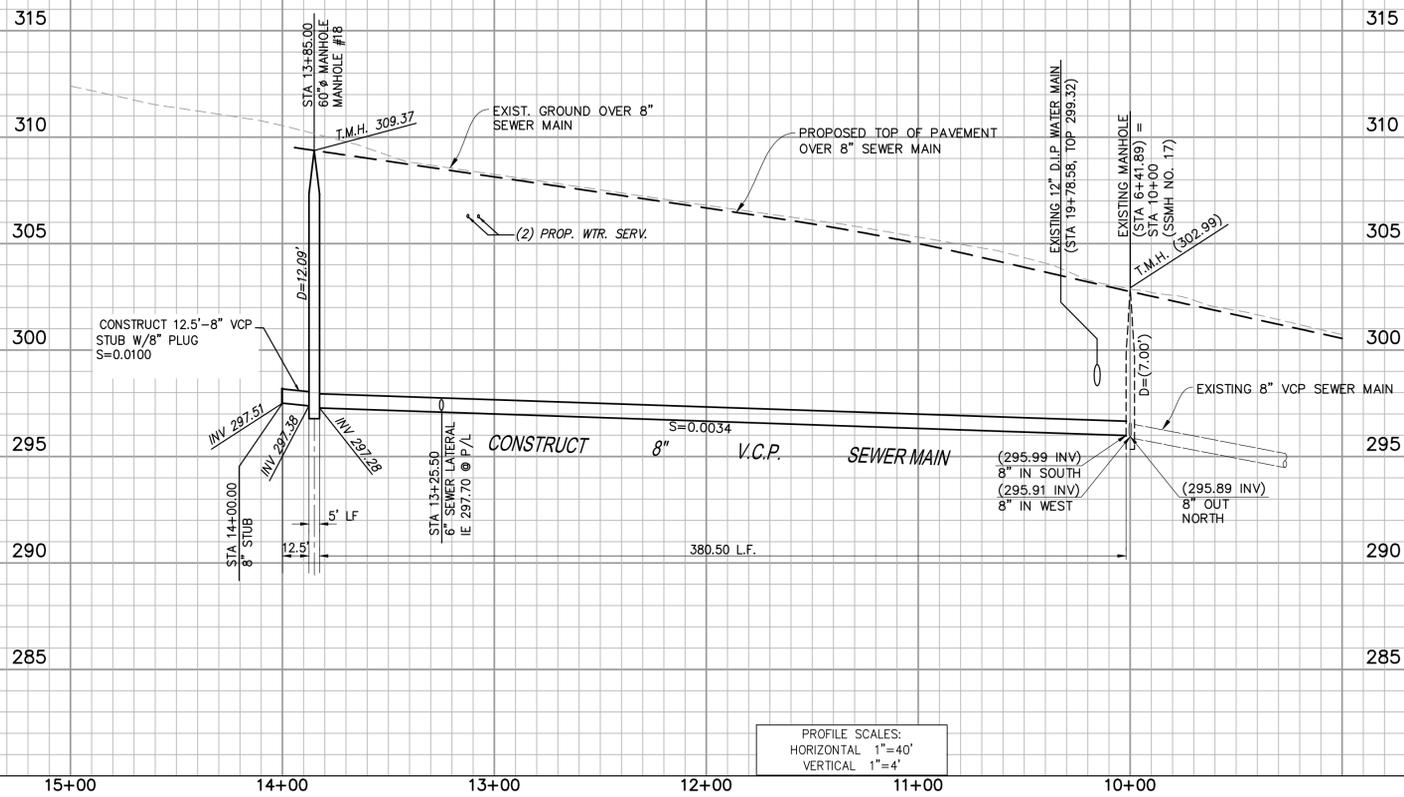


- NOTES:**
- DURING BACKFILL OF TRENCH CARE SHALL BE TAKEN TO AVOID CREATING VOIDS; THE TRENCH SHIELDING SHALL NOT EXTEND BELOW TOP OF PIPE. TRENCH WALL BELOW SHIELDING SHALL BE PROTECTED FROM CAVING AT ALL TIMES. ANY RESULTANT VOIDS BETWEEN TRENCH SECTION AND TRENCH WALL SHALL BE FILLED WITH BEDDING MATERIAL.
 - BELL HOLES SHALL BE PROVIDED AT EACH JOINT WITH A MINIMUM OF 1" CLEARANCE FROM BEDDING MATERIAL.

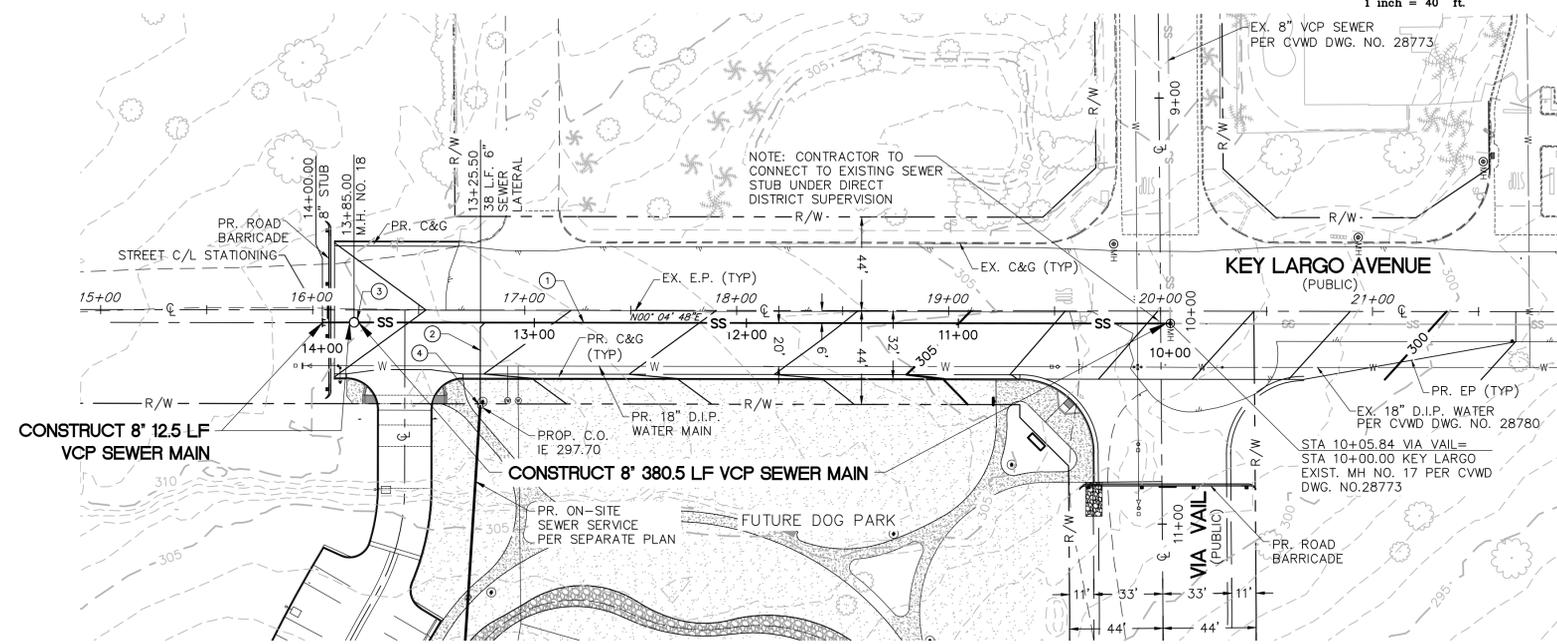


(PLAN CHECK ENGINEER STAMP)

<p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 4516 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR YOUR PRE-EXCAVATION ID NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG.</p>	<p>UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR: OR LIABLE FOR: UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS. ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.</p>	<table border="1"> <thead> <tr> <th>#</th> <th>REVISIONS</th> <th>DATE</th> <th>APP.</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	#	REVISIONS	DATE	APP.					<p>BENCHMARK CITY OF RANCHO MIRAGE RM 50, MONTEREY AVENUE/MARKET PLACE WAY, AT THE SOUTHERLY ECR, SOUTHWESTERLY CURB RETURN OF MONTEREY AVENUE AND MARKET PLACE WAY. 2-1/2" BRASS DISK IN TC, STAMPED "CITY OF RANCHO MIRAGE RM 50 RESET 9-28-06 BENCHMARK" ELEVATION 249.305 (NAVD83) BASIS OF BEARING THE BEARINGS SHOWN HEREON ARE BASED ON THE WEST LINE OF THE NW 1/4 OF THE NE 1/4 OF SECTION 30, T. 4 S., R. 6 E., SHOWN AS N 00°04' 48" E PER PM 178/63-68.</p>	<p>OWNER CITY OF RANCHO MIRAGE 69825 HIGHWAY 111 RANCHO MIRAGE CA 92270 PH 760 770-3224 FAX 760 770-3281</p>	<p>PREPARED UNDER THE DIRECT SUPERVISION OF: SCOTT R. VINTON R.C.E. 54703 EXP. 12/31/15 DATE GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY: _____ DATE R.C.E. EXP.</p>	<p>RECOMMENDED FOR APPROVAL BY: MARK W. SAMBITO R.C.E. 53613, EXP. 6/30/2017 DATE APPROVED BY CITY OF RANCHO MIRAGE: _____ DATE WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017 DATE</p>	<p>CITY OF RANCHO MIRAGE RANCHO MIRAGE DOG PARK SEWER IMPROVEMENT PLAN COVER SHEET KEY LARGO AVE LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B.&M. A.P.N. 685-090-011</p>	<p>SHEET 4 OF 33</p>
			#	REVISIONS	DATE	APP.										
<p>PRIVATE REFERENCE # PD8033900</p>	<p>CITY REFERENCE # E1500165</p>															



SEWER MANHOLE TABLE				
MANHOLE NO.	DEPTH.	MH. DIA.	KEY LARGO AVE.	VIA VAIL
17	7.00'	60"	STA. 10+00.00	STA. 6+41.89
18	12.09'	60"	STA. 13+85.00	-



CONSTRUCTION NOTES

- ① FURNISH & INSTALL 8" VCP SEWER LINE
- ② FURNISH & INSTALL 6" VCP SEWER LATERAL
- ③ FURNISH & INSTALL 60" DIA. SEWER MANHOLE PER CVWD STD. DWG. S-5
- ④ FURNISH & INSTALL 6" CLEANOUT PER CVWD STD. DWG. S-6

NOTE: CONTRACTOR SHALL CONFIRM ALL EXISTING ELEVATIONS PRIOR TO MAKING CONNECTIONS TO EXISTING UTILITIES.



(PLAN CHECK ENGINEER STAMP)

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IMPORTANT NOTICE
CALL BEFORE YOU DIG
SECTION 4116 OF THE GOVERNMENT CODE
REQUIRES AN INQUIRY
IDENTIFICATION NUMBER BE
ISSUED BEFORE A PERMIT TO
EXCAVATE WILL BE VALID. FOR
YOUR PRE-EXCAVATION ID NUMBER CALL
UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.

#	REVISIONS	DATE	APP.

BENCHMARK
CITY OF RANCHO MIRAGE RM 50, MONTEREY AVENUE/MARKET PLACE WAY, AT THE SOUTHERLY ECR, SOUTHWESTERLY CURB RETURN OF MONTEREY AVENUE AND MARKET PLACE WAY, 2-1/2" BRASS DISK IN TC, STAMPED "CITY OF RANCHO MIRAGE RM 50 RESET 9-28-06 BENCHMARK" ELEVATION 249.305 (NAVD83)
BASIS OF BEARING
THE BEARINGS SHOWN HEREON ARE BASED ON THE WEST LINE OF THE NW 1/4 OF THE NE 1/4 OF SECTION 30, T. 4 S., R. 6 E., SHOWN AS N 00°04' 48" E PER PM 178/63-68.

NIV5
42-829 COOK STREET SUITE 104
760.341.8301 TEL. 760.341.5998 FAX
PALM DESERT CA 92211 714
WWW.NIV5.COM
OWNER
CITY OF RANCHO MIRAGE
69825 HIGHWAY 111
RANCHO MIRAGE CA 92270
PH 760 770-3224 FAX 760 770-3281

PREPARED UNDER THE DIRECT SUPERVISION OF:
SCOTT R. VINTON EXP. 12/31/15 DATE
R.C.E. 54703
GEO TECHNICAL CERTIFICATION, IF REQUIRED, BY:
DATE

RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO DATE
R.C.E. 53613, EXP. 6/30/2017
APPROVED BY CITY OF RANCHO MIRAGE:
WILLIAM A. ENOS, CITY ENGINEER DATE
R.C.E. 43910, EXP. 6/30/2017

CITY OF RANCHO MIRAGE
RANCHO MIRAGE DOG PARK
OFF-SITE IMPROVEMENT PLANS
SEWER PLAN & PROFILE
KEY LARGO AVE AND VIA VAIL
LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF
SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

SHEET 5 OF 33
PRIVATE REFERENCE # PD033900
CITY REFERENCE # E1500165
Bid Set - 1/21/2016

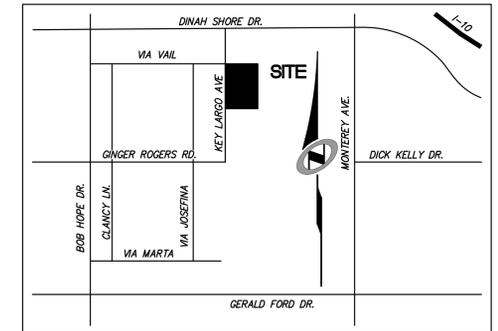
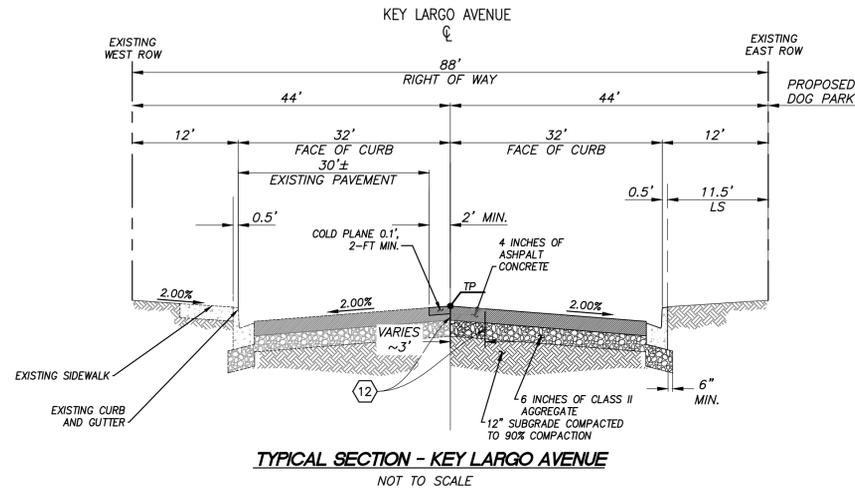
CITY OF RANCHO MIRAGE, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA,
 A PORTION OF THE NE 1/4 OF SECTION 30, TOWNSHIP 4 SOUTH, RANGE 6 EAST, S.B.B.&M
 IP NO. E1500165
 COUNTY OF RIVERSIDE
 PARCEL C
 PARCEL MAP NO. 27225
**RANCHO MIRAGE DOG PARK
 STREET IMPROVEMENT PLAN**

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD PLANS OF THE CITY OF RANCHO MIRAGE AND THE STANDARD SPECIFICATIONS ARE PUBLIC WORKS CONSTRUCTION, LATEST EDITION, AND OTHER STANDARD PLANS AS SPECIFIED IN THE PLANS.
- NOTHING IN THESE PLANS SHALL RELIEVE THE CONTRACTOR FROM OBTAINING PERMITS AS REQUIRED BY THE CITY OF RANCHO MIRAGE MUNICIPAL CODE.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, REPLACEMENT, PROTECTION, OR RELOCATION OF ALL REGULATORY, WARNING, AND GUIDE SIGNS, STRIPING, AND PAVEMENT LEGIONS.
- STREET NAME SIGNS AND TRAFFIC CONTROL SIGNS, TYPE AND LOCATIONS SHALL BE APPROVED BY THE CITY ENGINEER. TRAFFIC STRIPING, LEGENDS AND PAVEMENT MARKERS, TYPE AND LOCATIONS SHALL BE APPROVED BY THE CITY ENGINEER.
- PRIOR TO GRADING OPERATIONS ALL PROPERTY BOUNDARIES SHALL BE VISIBLY MARKED BY SETTING WITNESS STAKES AT ALL FOUND PROPERTY MONUMENTS. FOUND MONUMENTS SHALL BE NOTED OF THE PLANS. RESETTling OF MISSING MONUMENTS OR ANY REMOVAL/REPLACEMENT OF EXISTING MONUMENTS SHALL BE DONE BY AN R.C.E. BELOW 33965 OR L.S. ONLY. THE CONTRACTOR SHALL NOT DISTURB EXISTING MONUMENTS NOTED ON PLANS OR FOUND DURING CONSTRUCTION.
- ALL STREET SECTIONS ARE TENTATIVE, THE MINIMUM SECTION IS 3' A.C./ 4' A.B. ADDITIONAL SOIL TEST MAY BE TAKEN AFTER ROUGH GRADING TO DETERMINE EXACT SECTION REQUIREMENTS.
- LOCATIONS OF FILED DENSITY TEST SHALL BE DETERMINED BY THE CITY OR APPROVED TESTING AGENCY AND SHALL BE SUFFICIENT IN BOTH HORIZONTAL AND VERTICAL PLACEMENT TO PROVIDE REPRESENTATIVE TESTING OF ALL FILL PLACED. TESTING IN AREAS OF A CRITICAL NATURE OR SPECIAL EMPHASIS SHALL BE IN ADDITION TO THE NORMAL REPRESENTATIVE SAMPLINGS.
- ALL UNDERGROUND FACILITIES, WITH LATERALS, SHALL BE PLACED AND INSPECTED PRIOR TO PAVING. INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: SEWER, WATER, ELECTRIC, GAS, TELEPHONE AND DRAINAGE.
- THE DESIGN CIVIL ENGINEER SHALL EXERCISE SUFFICIENT CONTROL OF THE CONSTRUCTION TO ENSURE COMPLIANCE WITH PLANS, SPECIFICATIONS AND CITY CODES.
- THE FINAL UTILITY LINE BACKFILL REPORT FROM THE PROJECT SOIL ENGINEER SHALL INCLUDE AN APPROVAL STATEMENT THAT THE BACKFILL IS SUITABLE FOR THE INTENDED USE.
- THE FINAL COMPACTION REPORT AND APPROVAL FROM THE SOILS ENGINEER SHALL CONTAIN THE TYPE OF FIELD TESTING PERFORMED. EACH TEST SHALL BE IDENTIFIED WITH THE METHOD OF OBTAINING THE IN-PLACE DENSITY, WHETHER SAND CONE OR DRIVE RING AND SHALL BE PERFORMED TO VERIFY THE ACCURACY OF THE MAXIMUM DENSITY CURVES BY THE FIELD TECHNICIAN.
- ALL CONSTRUCTION AREAS SHALL BE PROPERLY POSTED AND LIGHTED IN CONFORMANCE WITH THE STATE MANUAL OF WARNING SIGNS, LIGHTS, AND DEVICES FOR USE IN THE PERFORMANCE OF WORK UPON HIGHWAYS, IN ORDER TO ELIMINATE ANY HAZARDS.
- AT NO TIME WILL PRIVATE PROPERTY BE USED IN CONJUNCTION WITH THE PROJECT UNLESS PROPERTY-OWNER APPROVAL IS OBTAINED IN WRITING AND GIVEN TO THE CITY FOR APPROVAL.
- ANY CHANGES CONTEMPLATED IN: DRAINAGE, ELEVATIONS OR STRUCTURES SHOWN ON THESE PLANS MUST BE REVIEWED BY THE CITY TO DETERMINE IF REVISED PLANS SHOULD BE SUBMITTED. NONCOMPLYING CONSTRUCTION MAY BE SUBJECT TO PENALTIES AND/OR REMOVAL. "AS-BUILT" PLANS MUST BE SUBMITTED PRIOR TO ANY RELEASE OF SECURITIES AND/OR ISSUANCE OF A CERTIFICATE OF USE.

PAVING NOTES

- ALL UNDERGROUND FACILITIES, INCLUDING LATERALS, SHALL BE IN PLACE, AND ALL TRENCHES COMPACTED AND TESTED PRIOR TO PAVING.
- ALL EXISTING OR NEW IMPROVEMENTS, INCLUDING CURB AND GUTTERS, SIDEWALKS, ASPHALT CONCRETE OR P.C.C. PAVING, WHICH ARE BEING JOINED OR MATCHED IN CONNECTION WITH THIS PROJECT SHALL BE JOINED OR MATCHED IN A MANNER SATISFACTORY TO THE CITY ENGINEER, INCLUDING NECESSARY SAWCUTTING, REMOVAL, REPLACEMENT AND CAPPING.
- NEW CURB AND GUTTER SHALL BE MARKED AT EVERY 10 FEET WITH A SCORE LINE AND EXPANSION JOINTS ARE REQUIRED.
- NEW OR EXISTING CURB AND GUTTER SHALL BE JOINED, MATCHED, OR REPLACED IF DAMAGED TO A SAWCUT LINE SUCH THAT A MINIMUM LENGTH OF 7 FEET OF CURB AND GUTTER REMAINS IN PLACE AT ALL LOCATIONS.
- A "TACK COAT" SHALL BE APPLIED BETWEEN PAVEMENT LAYERS, CONCRETE SURFACES AND ON EXISTING PAVEMENT TO BE RESURFACED AT THE RATE OF 0.10 GAL/YD. THE TACK COAT SHALL BE TYPE SS1 ASPHALTIC EMULSION WITH A 60-70 GRADE LIQUID ASPHALT.
- THE VISCOSITY GRADE OF PAVING ASPHALT SHALL BE PG 70-10 OR AS DETERMINED BY THE CITY ENGINEER AT THE TIME OF PAVING.
- THE FINAL OR SURFACE LAYER OF ASPHALT CONCRETE SHALL NOT BE PLACED UNTIL ALL ON-SITE IMPROVEMENTS HAVE BEEN COMPLETED, INCLUDING ALL EARTHWORK GRADING.
- MANHOLES AND VALVE BOX FRAMES SHALL BE ADJUSTED TO FINISHED GRADES AFTER COMPLETION OF CONSTRUCTION TO THE STANDARDS OF THE FACILITY OWNER.
- ALL EXISTING PAVEMENT WITHIN AND ADJOINING THIS PROJECT SHALL BE REMOVED OR STRUCTURALLY TESTED TO VERIFY THAT THE STRUCTURAL CAPABILITIES ARE ACCEPTABLE. ALL RESULTS SHALL BE APPROVED BY THE CITY ENGINEER.
- THE CURB SHALL BE "ETCHED" SHOWING LATERAL LOCATIONS: "S" FOR SEWER, "G" FOR GAS, AND "E" FOR ELECTRICAL.
- ALL PERMANENT ROADWAY TRAFFIC STRIPING, LEGENDS AND PAVEMENT MARKERS SHALL BE INSTALLED AFTER PERMANENT PAVING. THE TYPE AND LOCATIONS SHALL BE INSTALLED PER PLAN OR AS DIRECTED BY THE CITY ENGINEER.
- TEMPORARY ROADWAY STRIPING SHALL BE INSTALLED ON ALL UNFINISHED ROADWAY SURFACES AS DIRECTED BY THE CITY ENGINEER.
- THE AGGREGATE BASE MATERIAL SPECIFIED IN THE PLANS SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION WITHIN THE TOP FOOT OF THE MATERIAL UNDER PAVING. THE DEEPER SUBGRADE MUST BE COMPACTED TO AT LEAST 90% OF MAXIMUM RELATIVE DENSITY. TESTING WILL BE REQUIRED BY A SOIL ENGINEER.
- JUST BEFORE PAVING, A SOIL STERILANT SHALL BE APPLIED TO THE COMPACTED BASE MATERIAL FOR ALL ASPHALT PAVING. SEE THE CITY'S STANDARD "SPECIAL PROVISIONS TO THE STANDARD SPECIFICATIONS" FOR THE SOIL STERILANT REQUIREMENTS.



VICINITY MAP
 (NO SCALE)
 THOMAS GUIDE MAP, 2009 EDITION
 PAGE 819, GRID G-6
 SECTION 18, TOWNSHIP 5 SOUTH, RANGE 7 EAST

LEGEND:

---	INDICATES RIGHT OF WAY
---	INDICATES PROPERTY LINE
---	INDICATES CENTER LINE
---	INDICATES EDGE OF PAVEMENT
---	INDICATES EXISTING 12" VCP SEWER MAIN - CVWD
---	INDICATES PROPOSED 12" WATER
---	INDICATES PROPOSED 8" PVC SEWER
---	INDICATES EXISTING 8" WATER MAIN - CVWD
---	INDICATES IID OVERHEAD ELECTRICAL LINE
---	INDICATES OVERHEAD VERIZON PHONE LINE
---	INDICATES PROPOSED WATER METER
---	INDICATES PROPOSED FIRE HYDRANT
---	INDICATES PROPOSED GATE VALVE
---	INDICATES PROPOSED REDUCER
---	INDICATES EXIST. AC TO BE REMOVED

ABBREVIATIONS

R./W	INDICATES RIGHT OF WAY
CL	INDICATES CENTERLINE
INV	INDICATES INVERT ELEVATION
T.M.H.	INDICATES TOP OF MANHOLE ELEVATION
PVC	INDICATES POLYVINYL CHLORIDE PIPE
VCP	INDICATES VITRIFIED CLAY PIPE
D.I.	INDICATES DUCTILE IRON
D.I.P.	INDICATES DUCTILE IRON PIPE
EX.	INDICATES EXISTING
PROP.	INDICATES PROPOSED
FL	INDICATES FLOWLINE
TC	INDICATES TOP OF CURB
EP	INDICATES EDGE OF PAVEMENT
TP	INDICATES TOP OF PAVEMENT

SHEET INDEX
 SHEET 6 - COVER SHEET
 SHEET 7 - STREET IMPROVEMENT PLAN - KEY LARGO AVENUE
 SHEET 8 - STREET IMPROVEMENT PLAN - VIA VAIL

CONSTRUCTION QUANTITIES:

NO.	DESCRIPTION	UNIT	QUANTITY
1	COLD PLANE AND INSTALL 0.1 OVERLAY (2" MIN)	SF	1,090
2	CONSTRUCT 4" A.C. PAVING OVER 6" CLASS II AGGREGATE BASE (ROADWAY)	SF	19,680
3	NOT USED		
4	CONSTRUCT 6" TYPE "A" CURB & GUTTER PER CITY OF RANCHO MIRAGE STD. DTL. 200	LF	450
5	INSTALL DISABLED ACCESS CURB RAMP PER CITY OF RANCHO MIRAGE STD. DTL. 502; DRIVEWAY DETAIL SHEET 7, COLOR PER ARCHITECT'S PLAN	EA	3
6	CONSTRUCT COMMERCIAL DRIVEWAY APPROACH PER CITY OF RANCHO MIRAGE STD. DTL. 215, COLOR PER ARCHITECT'S PLANS	SF	660
7	INSTALL STREET SIGN PER CITY OF RANCHO MIRAGE STD. DTL. 601	EA	1
8	ADJUST WATER VALVE TO GRADE PER C.V.W.D. STANDARDS.	EA	4
9	PAINT 8" WHITE LANE LINE	LF	500
10	INSTALL BLUE RAISED PAVEMENT FIRE HYDRANT MARKER	EA	1
11	CONSTRUCT RIPRAP 6" TO 8" STONES GROUTED	SF	235
12	SAWCUT AND REMOVE EXISTING A.C. PAVEMENT TO LIMITS SHOWN ON PLAN	SF	3,270
13	INSTALL BARRICADE PER CITY OF RANCHO MIRAGE STD. DTL. 600	EA	2
14	INSTALL 2"x8" REDWOOD HEADER	LF	163

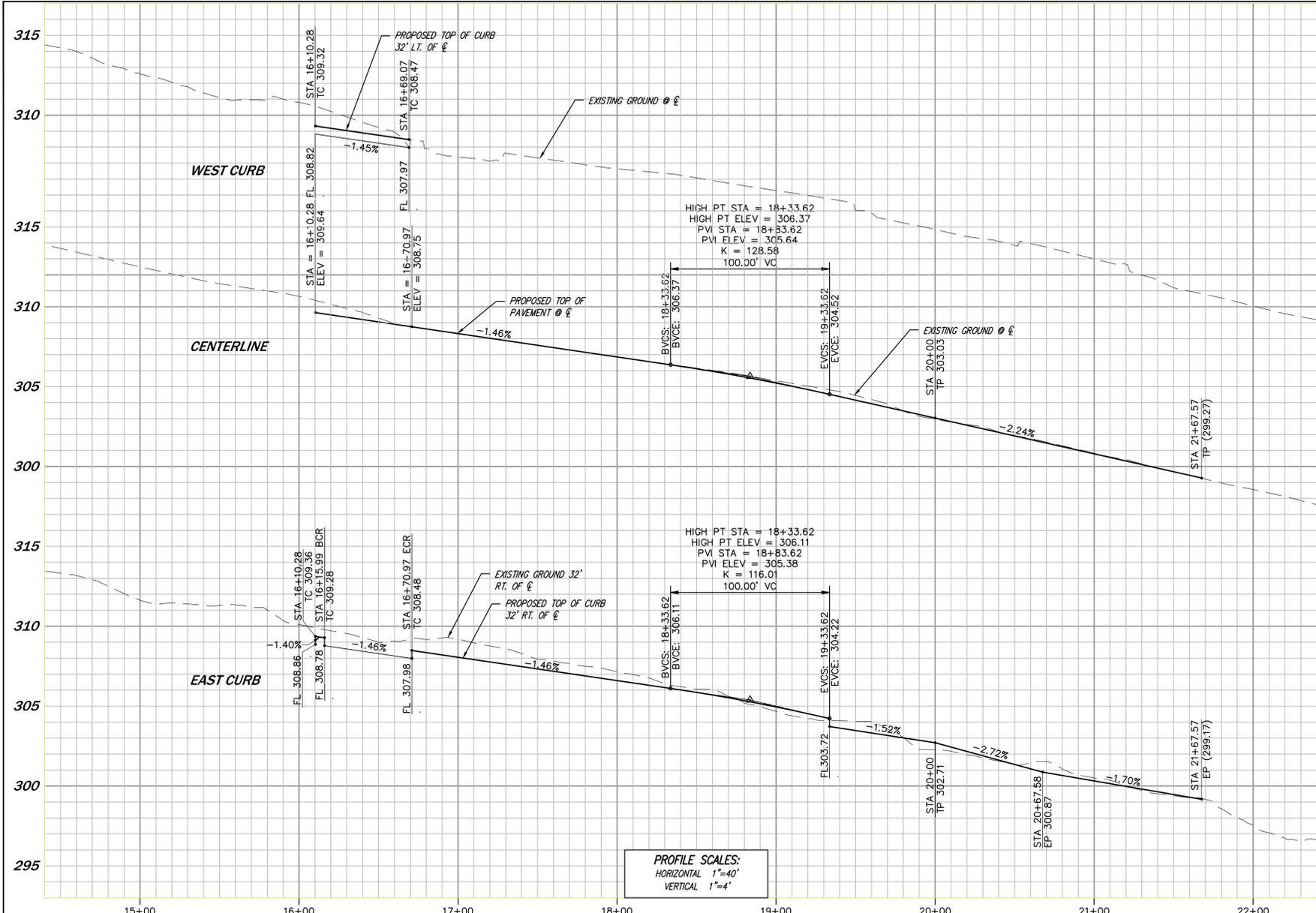
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(PLAN CHECK ENGINEER STAMP)

KEY LARGO PLAN & PROFILE

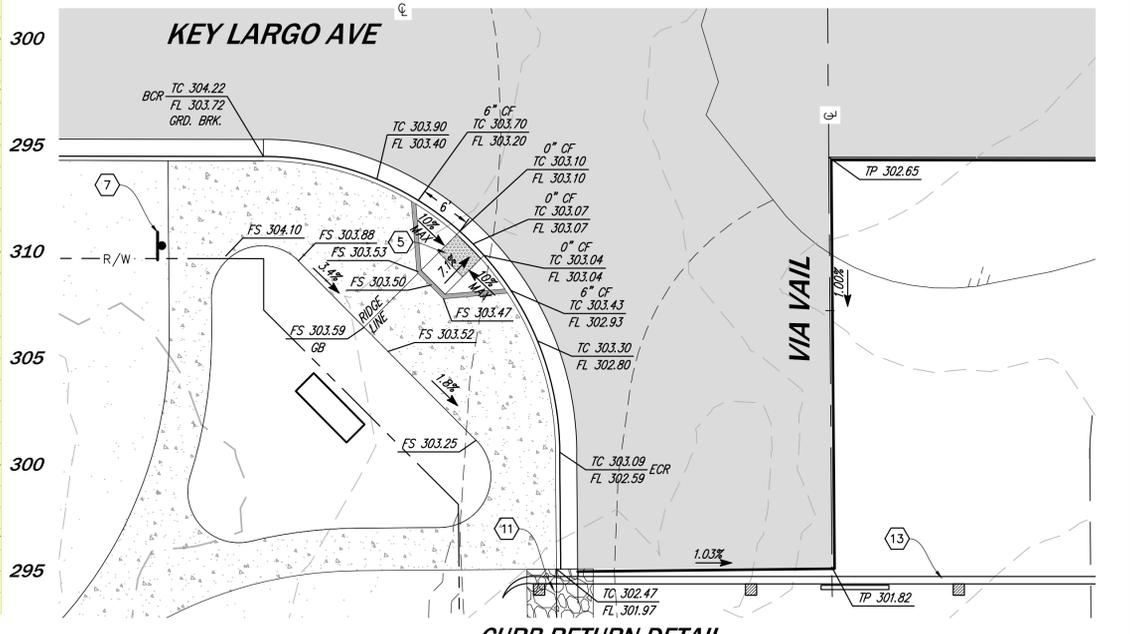
<p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 4116 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR YOUR PRE-EXCAVATION ID NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS. ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO, THESE LINES OR STRUCTURES.</p>	<table border="1"> <thead> <tr> <th>#</th> <th>REVISIONS</th> <th>DATE</th> <th>APP.</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	#	REVISIONS	DATE	APP.					<p>BENCHMARK CITY OF RANCHO MIRAGE RM 50, MONTEREY AVENUE/MARKET PLACE WAY, AT THE SOUTHERLY ECR, SOUTHWESTERLY CURB RETURN OF MONTEREY AVENUE AND MARKET PLACE WAY. 2-1/2" BRASS DISK IN TC, STAMPED "CITY OF RANCHO MIRAGE RM 50 RESET 9-28-06 BENCHMARK" ELEVATION 249.305 (NAVD83)</p> <p>BASIS OF BEARING THE BEARINGS SHOWN HEREON ARE BASED ON THE WEST LINE OF THE NW 1/4 OF THE NE 1/4 OF SECTION 30, T. 4 S., R. 6 E., SHOWN AS N 00°04' 48" E PER PM 178/63-68.</p>	<p>OWNER CITY OF RANCHO MIRAGE 69825 HIGHWAY 111 RANCHO MIRAGE CA 92270 PH 780 770-3224 FAX 780 770-3281</p>	<p>PREPARED UNDER THE DIRECT SUPERVISION OF: SCOTT R. VINTON R.C.E. 54703 EXP. 12/31/15 DATE GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY: _____ DATE R.C.E. EXP.</p>	<p>RECOMMENDED FOR APPROVAL BY: MARK W. SAMBITO R.C.E. 53613, EXP. 6/30/2017 DATE APPROVED BY CITY OF RANCHO MIRAGE: _____ DATE WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017 DATE</p>	<p>CITY OF RANCHO MIRAGE RANCHO MIRAGE DOG PARK OFF-SITE IMPROVEMENT PLANS COVER SHEET</p> <p>SHEET 6 OF 33</p> <p>PRIVATE REFERENCE # PD8033900</p> <p>CITY REFERENCE # E1500165</p>
			#	REVISIONS	DATE	APP.									
<p>PROJECT DESCRIPTION KEY LARGO AVE AND VIA VAIL</p> <p>SITE ADDRESS A PORTION OF THE NE QUARTER OF SECTION 30, T. 4 S., R. 6 E., S.B.B.&M. A.P.N. 685-090-011</p>															



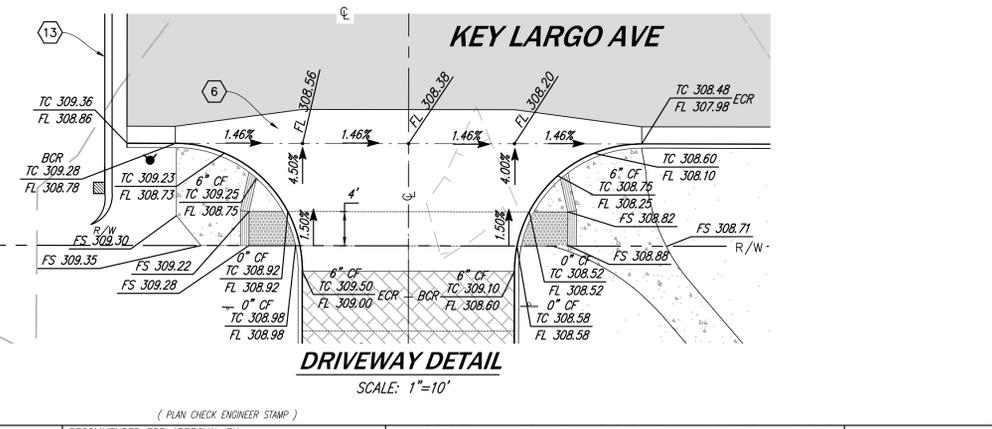
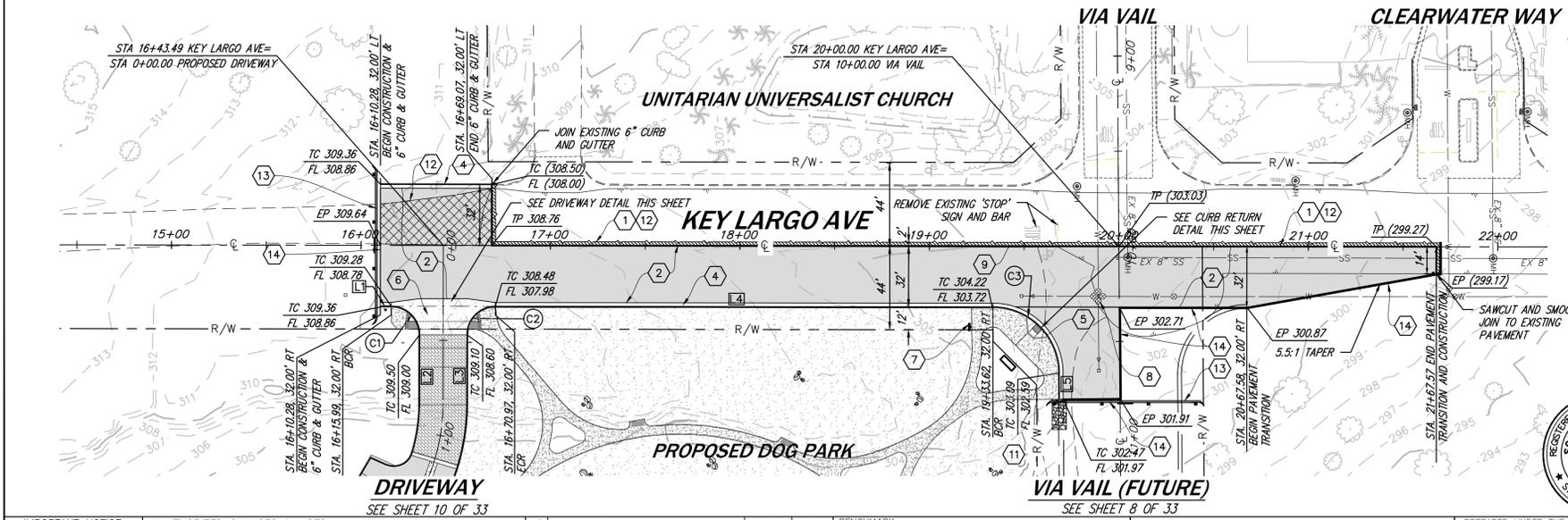
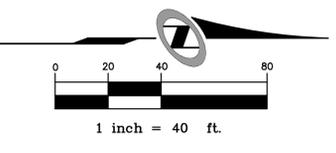
Curve Table				
#	Length	Radius	Delta	Tangent
C1	23.56	15.00	89° 55' 12"	14.98
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C3	54.65	35.00	89° 28' 17"	34.68

Line Table		
#	Length	Direction
L1	5.71	N0° 04' 47.92"E
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L3	36.72	N89° 55' 12.08"W
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L5	13.71	N89° 33' 05.15"E

- CONSTRUCTION NOTES**
- COLD PLANE AND INSTALL 0.1 OVERLAY (2' MIN)
 - CONSTRUCT 4" A.C. PAVING OVER 6" CLASS II AGGREGATE BASE (ROADWAY)
 - NOT USED
 - CONSTRUCT 6" TYPE "A" CURB & GUTTER PER CITY OF RANCHO MIRAGE STD. DTL. 200
 - DRIVEWAY DETAIL, SHEET 7, COLOR PER ARCHITECT'S PLAN
 - CONSTRUCT COMMERCIAL DRIVEWAY APPROACH PER CITY OF RANCHO MIRAGE STD. DTL. 215, COLOR PER ARCHITECT'S PLANS
 - INSTALL STREET SIGN PER CITY OF RANCHO MIRAGE STD. DTL. 601
 - ADJUST WATER VALVE TO GRADE PER C.V.W.D. STANDARDS.
 - PAINT 8" WHITE LANE LINE
 - INSTALL BLUE RAISED PAVEMENT FIRE HYDRANT MARKER
 - CONSTRUCT RIP/RAP 6" TO 8" STONES GROUNDED
 - SAWCUT AND REMOVE EXISTING A.C. PAVEMENT TO LIMITS SHOWN ON PLAN
 - INSTALL BARRICADE PER CITY OF RANCHO MIRAGE STD. DTL. 600
 - INSTALL 2"x8" REDWOOD HEADER



CURB RETURN DETAIL PER CITY STD. NO. 502
SCALE: 1"=10'



DRIVEWAY DETAIL
SCALE: 1"=10'

IMPORTANT NOTICE
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SECTION 4116 OF THE GOVERNMENT CODE
REQUIRES AN INQUIRY
IDENTIFICATION NUMBER BE
ISSUED BEFORE A PERMIT TO
DIGGAGE WILL BE MAILED. FOR
YOUR PRE-EXCAVATION ID NUMBER CALL
UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

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NV5
42-829 COOK STREET SUITE 104
760.341.8310 TEL. 760.341.5999 FAX
PALM DESERT CA 92211 714
WWW.NV5.COM

CITY OF RANCHO MIRAGE
69825 HIGHWAY 111
RANCHO MIRAGE CA 92270
PH 760 770-3224 FAX 760 770-3281

PREPARED UNDER THE DIRECT SUPERVISION OF:
SCOTT R. VINTON
R.C.E. 54703
EXP. 12/31/15
DATE

RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO
R.C.E. 53613, EXP. 6/30/2017
DATE

CITY OF RANCHO MIRAGE
RANCHO MIRAGE DOG PARK
OFF-SITE IMPROVEMENT PLANS
KEY LARGO AVENUE
KEY LARGO AVE AND VIA VAIL

PROJECT DESCRIPTION
SITE ADDRESS
LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

CITY OF RANCHO MIRAGE
RANCHO MIRAGE DOG PARK
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KEY LARGO AVENUE
KEY LARGO AVE AND VIA VAIL

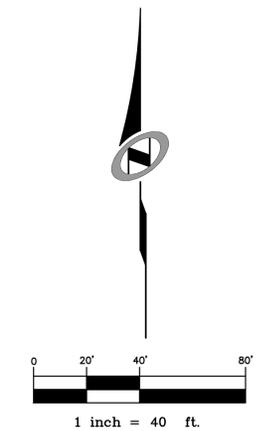
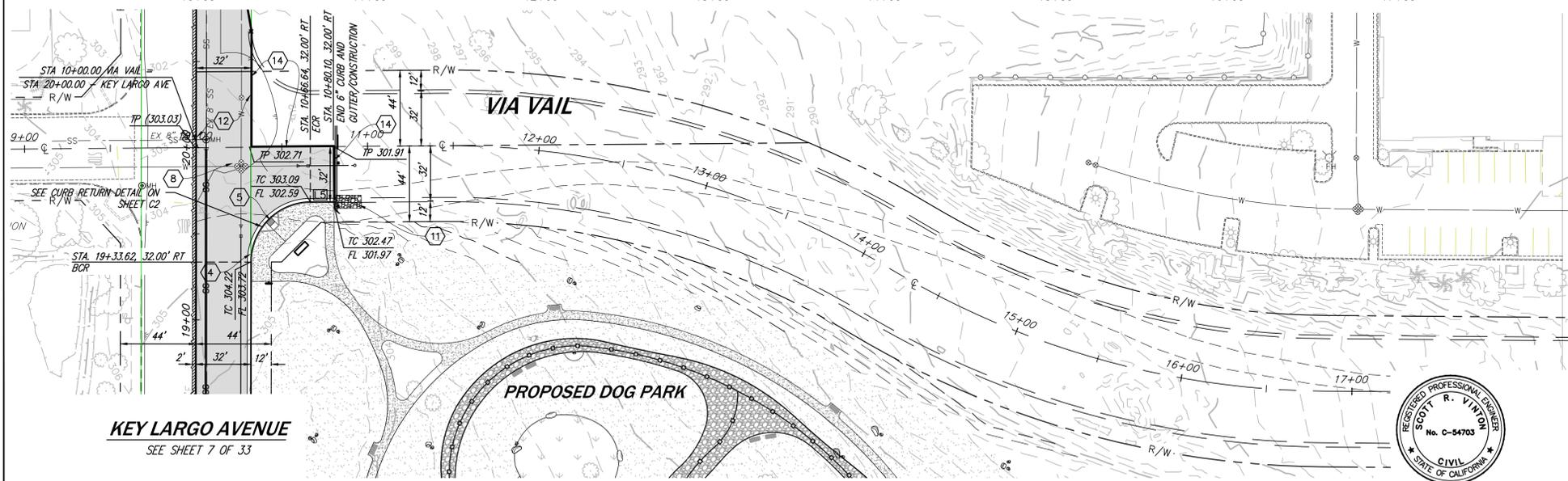
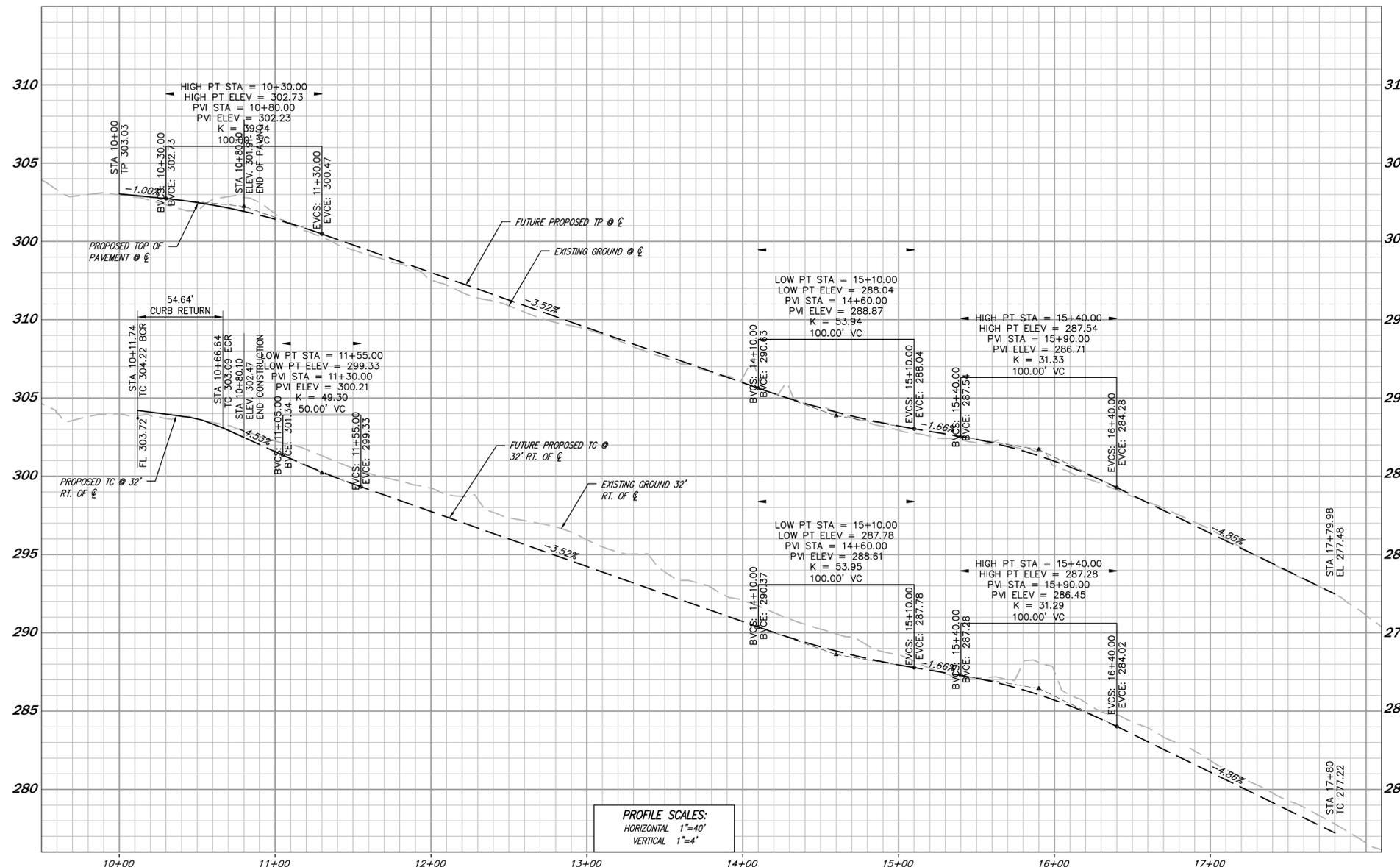
SHEET 7 OF 33
PRIVATE REFERENCE # PD8033900
CITY REFERENCE # E1500165

CONSTRUCTION NOTES

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(PLAN CHECK ENGINEER STAMP)

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NIV5
42-829 COOK STREET SUITE 104
760.341.8301 TEL. 760.341.5998 FAX
PALM DESERT CA 92211 714
WWW.NIV5.COM

OWNER
CITY OF RANCHO MIRAGE
69825 HIGHWAY 111
RANCHO MIRAGE CA 92270
PH 760 770-3224 FAX 760 770-3281

PREPARED UNDER THE DIRECT SUPERVISION OF:
SCOTT R. VINTON EXP. 12/31/15 DATE
R.C.E. 54703
GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
R.C.E. EXP. DATE

RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO DATE
R.C.E. 53613, EXP. 6/30/2017
APPROVED BY CITY OF RANCHO MIRAGE:
WILLIAM A. ENOS, CITY ENGINEER DATE
R.C.E. 43910, EXP. 6/30/2017

CITY OF RANCHO MIRAGE
RANCHO MIRAGE DOG PARK
OFF-SITE IMPROVEMENT PLANS
VIA VAIL

SHEET 8 OF 33

PROJECT DESCRIPTION: KEY LARGO AVE AND VIA VAIL
SITE ADDRESS: KEY LARGO AVE AND VIA VAIL
LEGAL DESCRIPTION: A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

PRIVATE REFERENCE # PD8033900
CITY REFERENCE # E1500165

CITY OF RANCHO MIRAGE, CALIFORNIA

GENERAL CONSTRUCTION NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD PLANS OF THE CITY OF RANCHO MIRAGE AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, AND OTHER STANDARD PLANS AS SPECIFIED IN THE PLANS.
- NOTHING IN THESE PLANS SHALL RELIEVE THE CONTRACTOR FROM OBTAINING PERMITS AS REQUIRED BY THE CITY OF RANCHO MIRAGE MUNICIPAL CODE.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, REPLACEMENT, PROTECTION, OR RELOCATION OF ALL REGULATORY, WARNING, AND GUIDE SIGNS, STRIPING, AND PAVEMENT LEGENDS.
- STREET NAME SIGNS AND TRAFFIC CONTROL SIGNS, TYPE AND LOCATIONS SHALL BE APPROVED BY THE CITY ENGINEER. TRAFFIC STRIPING, LEGENDS AND PAVEMENT MARKERS, TYPE AND LOCATIONS SHALL BE APPROVED BY THE CITY ENGINEER.
- PRIOR TO GRADING OPERATIONS ALL PROPERTY BOUNDARIES SHALL BE VISIBLY MARKED BY SETTING WITNESS STAKES AT ALL FOUND PROPERTY MONUMENTS. FOUND MONUMENTS SHALL BE NOTED ON THE PLANS. RESETTLEMENT OF MISSING MONUMENTS OR ANY REMOVAL/REPLACEMENT OF EXISTING MONUMENTS SHALL BE DONE BY AN R.C.E. BELOW \$3965 OR L.S. ONLY. THE CONTRACTOR SHALL NOT DISTURB EXISTING MONUMENTS NOTED ON PLANS OR FOUND DURING CONSTRUCTION.
- ALL STREET SECTIONS ARE TENTATIVE. THE MINIMUM SECTION IS 3' A.C./ 4' A.B. ADDITIONAL SOIL TEST MAY BE TAKEN AFTER ROUGH GRADING TO DETERMINE EXACT SECTION REQUIREMENTS.
- LOCATIONS OF FILED DENSITY TEST SHALL BE DETERMINED BY THE CITY OR APPROVED TESTING AGENCY AND SHALL BE SUFFICIENT IN BOTH HORIZONTAL AND VERTICAL PLACEMENT TO PROVIDE REPRESENTATIVE TESTING OF ALL FILL PLACED. TESTING IN AREAS OF A CRITICAL NATURE OR SPECIAL EMPHASIS SHALL BE IN ADDITION TO THE NORMAL REPRESENTATIVE SAMPLINGS.
- ALL UNDERGROUND FACILITIES, WITH LATERALS, SHALL BE PLACED AND INSPECTED PRIOR TO PAVING. INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: SEWER, WATER, ELECTRIC, GAS, TELEPHONE AND DRAINAGE.
- THE DESIGN CIVIL ENGINEER SHALL EXERCISE SUFFICIENT CONTROL OF THE CONSTRUCTION TO ENSURE COMPLIANCE WITH PLANS, SPECIFICATIONS AND CITY CODES.
- THE FINAL UTILITY LINE BACKFILL REPORT FROM THE PROJECT SOIL ENGINEER SHALL INCLUDE AN APPROVAL STATEMENT THAT THE BACKFILL IS SUITABLE FOR THE INTENDED USE.
- THE FINAL COMPACTION REPORT AND APPROVAL FROM THE SOILS ENGINEER SHALL CONTAIN THE TYPE OF FIELD TESTING PERFORMED. EACH TEST SHALL BE IDENTIFIED WITH THE METHOD OF OBTAINING THE IN-PLACE DENSITY, WHETHER SAND CONE OR DRIVE RING AND SHALL BE PERFORMED TO VERIFY THE ACCURACY OF THE MAXIMUM DENSITY CURVES BY THE FIELD TECHNICIAN.
- ALL CONSTRUCTION AREAS SHALL BE PROPERLY POSTED AND LIGHTED IN CONFORMANCE WITH THE STATE MANUAL OF WARNING SIGNS, LIGHTS, AND DEVICES FOR USE IN THE PERFORMANCE OF WORK UPON HIGHWAYS, IN ORDER TO ELIMINATE ANY HAZARDS.
- AT NO TIME WILL PRIVATE PROPERTY BE USED IN CONJUNCTION WITH THE PROJECT UNLESS PROPERTY-OWNER APPROVAL IS OBTAINED IN WRITING AND GIVEN TO THE CITY FOR APPROVAL.
- ANY CHANGES CONTEMPLATED IN: DRAINAGE, ELEVATIONS OR STRUCTURES SHOWN ON THESE PLANS MUST BE REVIEWED BY THE CITY TO DETERMINE IF REVISED PLANS SHOULD BE SUBMITTED. NONCOMPLYING CONSTRUCTION MAY BE SUBJECT TO PENALTIES AND/OR REMOVAL. "AS-BUILT" PLANS MUST BE SUBMITTED PRIOR TO ANY RELEASE OF SECURITIES AND/OR ISSUANCE OF A CERTIFICATE OF USE.

GRADING NOTES

- ALL WORK SHALL CONFORM TO CITY OF RANCHO MIRAGE GRADING ORDINANCE NO. 398, THE CITY ENGINEER, AND ANY SPECIAL PROVISIONS OF THE PERMIT.
- GRADING SHALL BE IN ACCORDANCE WITH THE ENGINEERED GRADING REQUIREMENTS OF A SOILS REPORT PREPARED BY SLADEN ENGINEERING PROJECT NO. 544-15032/15-03-110 DATED MARCH 16, 2015. TELEPHONE #760-772-3893.
- THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS INSPECTION LINE (760-324-8271) 24 HOURS PRIOR TO ANY GRADING, BRUSHING OR CLEARING, EACH PHASE OF CONSTRUCTION, AND ANY OTHER WORK REQUIRING INSPECTION.
- DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURE, TEMPORARY DRAINAGE CONTROL SHALL BE PROVIDED TO PREVENT PONDING WATER, EROSION, AND DAMAGE TO ADJACENT PROPERTY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN EFFECTIVE MEANS OF DUST CONTROL WHICH SHALL INCLUDE PROVISIONS FOR ADEQUATE WATERING DURING THE GRADING PROCESS AND PROVISIONS FOR CONTINUANCE OF DUST CONTROL AFTER THE GRADING. DUST CONTROL SHALL CONTINUE UNTIL SUCH TIME THAT THE GRADED SURFACE PRESENTS SUFFICIENT PROTECTIVE COVER AGAINST WIND OR WATER EROSION AS DETERMINED BY THE CITY ENGINEER. SEE THE ATTACHED "LOCAL AIR QUALITY MANAGEMENT PLAN" FOR DETAILS OF EXPECTED DUST CONTROL METHODS.
- AREAS OF FUTURE CONSTRUCTION AND ALL CUT AND FILL SLOPE FACES SHALL BE PLANTED WITH A CITY-APPROVED LANDSCAPE MATERIAL.
- GRADING OPERATIONS AND MAINTENANCE OF EQUIPMENT WITHIN ONE HALF MILE OF HUMAN OCCUPANCY SHALL NOT BE CONDUCTED BETWEEN THE HOURS OF 5:00 P.M. AND 8:00 A.M., OR ANYTIME ON A SUNDAY OR FEDERAL HOLIDAY PER CITY CODE 15.04.020 (A).
- PRIOR TO ANY GRADING OPERATIONS, ALL FILL AREAS SHALL BE CLEARED OF ORGANIC MATERIAL AND THE EXISTING GROUND SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 12", OR AS RECOMMENDED BY THE SOILS REPORT.
- MAXIMUM CUT AND FILL SLOPES SHALL BE NO STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
- ALL BUILDING PADS SHALL BE COMPACTED TO A MINIMUM OF 90% RELATIVE DENSITY IN ACCORDANCE WITH CITY ORDINANCE NO. 398 AND ABOVE MENTIONED SOILS REPORT.
- ALL FILLS SHALL BE COMPACTED TO A MINIMUM OF 90% RELATIVE DENSITY IN ACCORDANCE WITH CITY ORDINANCE NO. 398. FIELD DENSITY SHALL BE DETERMINED IN ACCORDANCE WITH CITY GRADING ORDINANCE NO. 398.
- MINIMUM BUILDING PAD AND DRAINAGE SLOPES=0.50% DRAINAGE SWALES SHALL BE A MINIMUM OF 0.5 FEET DEEP, 5 FEET WIDE, AND BE CONSTRUCTED A MINIMUM OF 2 FEET FROM THE TOP OF CUT OR FILL SLOPES. A 1-FOOT HIGH BERM SHALL BE PLACED AT THE TOP OF ALL SLOPES WHICH EXCEED 5:1 UNLESS PROTECTED WITH APPROVED EROSION CONTROL.
- ALL TRAVELED WAYS MUST BE CLEANED DAILY OF ALL DIRT, MUD AND DEBRIS DEPOSITED ON THEM AS A RESULT OF THE GRADING OPERATION. CLEANING IS TO BE DONE TO THE SATISFACTION OF THE CITY ENGINEER.
- BLOCK WALLS ARE NOT PART OF THE GRADING PERMIT. SUBMIT FOR SEPARATE BUILDING PERMIT.
- THE SOILS ENGINEER, ENGINEERING GEOLOGIST AND DESIGN CIVIL ENGINEER SHALL, DURING GRADING, ENSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODES WITHIN THEIR PURVIEW.
- PRIOR TO FINAL ACCEPTANCE OF GRADING, THE SOILS ENGINEER AND DESIGN ENGINEER SHALL SUBMIT (ON CITY FORMS) VERIFICATION THAT ALL WORK HAS CONFORMED TO THE GRADING PLAN, CITY STANDARDS AND THE RECOMMENDATIONS OF THE SOILS REPORT
- ANY PUBLIC ROADWAY WHICH IS INTENDED TO BE USED TO CONDUCT ANY ASPECT OF THE GRADING FOR THE PROJECT SHALL BE COVERED BY A CITY ENCROACHMENT PERMIT AND SUBJECT TO PERMIT CONDITIONS.
- THE CITY OF RANCHO MIRAGE IS IN A QUARANTINE AREA FOR THE THE RED IMPORTED FIRE ANT. PRIOR TO ANY MOVEMENT OF SOIL WITHIN THE SITE, OR FROM THE SITE, YOU MUST SCHEDULE AN INSPECTION AT 760-776-8208 WITH THE R.I.F.A. INSPECTOR AT LEAST 24 HOURS IN ADVANCE, AND SUBMIT CERTIFICATION OF CLEARANCE TO THE CITY.

CONSTRUCTION NOTES

	Unit	Quant
① CONSTRUCT TYPE "D" (G) CURB PER C.R.M. STD. DETAIL 203, COLOR PER ARCHITECT'S PLAN	LF	658
② CONSTRUCT 3" A.C. PAVING OVER 1" CLASS II BASE FOR ONSITE PARKING LOT SEE PAVEMENT SECTION DETAIL 5 SHEET 11.	SF	8,511
③ CONSTRUCT FINISH GRADE CURB DEPRESSION PER DETAIL 11, SHEET 11, COLOR PER ARCHITECT'S PLAN	EA	1
④ CONSTRUCT CONCRETE VALLEY GULLY PER C.R.M. STD. DETAIL 220, COLOR PER ARCHITECT'S PLANS	LF	184
⑤ CONSTRUCT RIPRAP 6" TO 8" STONES GROUTED	SF	107
⑥ INSTALL STOP SIGN, AND PAINT WORD "STOP" & LIMIT LINE PER CALIFORNIA STD. A240 & A241 PER DETAIL 2, SHEET 11.	EA	1
⑦ INSTALL HANDICAP ACCESSIBLE STALLS (1YP.) PER C.R.M. STD. DETAIL 214. AS SHOWN ON ARCHITECTURAL PLANS.	LA	2
⑧ INSTALL HDPE FLARED END SECTION PER ADS PART# 1215NP OR EQUAL APPROVED.	EA	1
⑨ INSTALL 30" DIA. DRAIN BASIN BY NYLOPLAST PART#2830 WITH 30" LOCKING PEDESTRIAN GRATE (NYLOPLAST PART# 3009) INCLUDING COUPLINGS AND CONCRETE COLLAR PER NYLOPLAST DWG NO. 1001-110-193.	EA	1
⑩ 0" TO 6" CURB HEIGHT TRANSITION. COLOR PER ARCHITECT'S PLAN	LF	6
⑪ COLORED CONCRETE CURB PAINTED RED	LF	131
⑫ CONSTRUCT TRASH ENCLOSURE PER DETAIL B, SHEET 17	EA	1
⑬ INSTALL 1" SCHEDULE 40 PVC WATER LINE	LF	772
⑭ 4"-8" CRUSHED ROCK PER DETAIL C, SHEET 16	SI	12,065
⑮ 12" CONCRETE MAINTENANCE BAND/STEP OUT PER DETAIL D, SHEET 14	SF	96
⑯ 4" THICK CONCRETE PAVING (3,250 PSI) OVER 95% COMPACTED SUBGRADE PER DETAIL A, SHEET 14	SF	15,111
⑰ BUMPER STOPS	EA	10
⑱ YELLOW PAINT (1) STRIPING FOR LOADING ZONE	SI	184
⑲ 18" HDPE DRAINAGE PIPE	LF	66

ARCHITECTURAL FEATURES

REFER TO ARCHITECTURAL PLANS FOR THE ITEMS LISTED BELOW

Ⓐ MONUMENT SIGN	EA	1
Ⓑ CONCRETE BENCHES	EA	17
Ⓒ DRINKING FOUNTAIN	EA	2
Ⓓ BOULDER SEATS PER DETAIL D, SHEET 15	EA	7
Ⓔ LIGHTING PER ELECTRICAL PLAN	EA	22
Ⓕ 6" HIGH TUBULAR STEEL FENCE PER DETAIL A, SHEET 15	LF	1,395
Ⓖ FABRIC SHADE SAILS WITH SEATING	SF	1,404
Ⓗ PET FOUNTAIN	EA	2
Ⓘ BULLETIN BOARD SIGN PER DETAIL C, SHEET 14	EA	1
Ⓝ CONCRETE PAVEMENT OVER SAND PER DETAIL B, SHEET 14	SI	1,636
Ⓚ 3" THICK DECOMPOSED GRANITE SURFACE PER DETAIL B, SHEET 15 (90% RELATIVE COMPACTION)	TONS	585
Ⓛ HANDICAP PARKING STRIPING, SIGNING, TRUNCATED DOMES PER DETAILS E-G, SHEET 14	EA	2
Ⓜ SILL LUDGING	LI	650
Ⓝ DODDED TURF	SF	15,390
Ⓞ TRASH CONTAINER	EA	4
Ⓟ NOT USED		
Ⓠ NOT USED		
Ⓡ CONCRETE DONOR PAVEMENT OVER SAND PER DETAIL B, SHEET 16	SI	578
Ⓢ ADA PARKING SIGN PER DETAIL G, SHEET 14	EA	1
Ⓣ REFER TO LANDSCAPE ARCHITECTURAL PLANS AND DETAILS FOR CONTINUATION OF DOMESTIC AND IRRIGATION SERVICES.		

LEGEND AND SYMBOLS

BVC	INDICATES BEGINNING OF VERTICAL CURVE
BCR	INDICATES BEGINNING OF CURB RETURN
ECR	INDICATES END OF CURB RETURN
CF	INDICATES CURB FACE
CL	INDICATES CENTERLINE
R/W	INDICATES RIGHT-OF-WAY
TC	INDICATES TOP OF CURB
FL	INDICATES FLOW LINE
FS	INDICATES FINISHED SURFACE
EX	INDICATES EXISTING
FG	INDICATES FINISHED GROUND
HP	INDICATES HIGH POINT
TG	INDICATES TOP OF GRATE
INV	INDICATES INVERT OF PIPE
PC	INDICATES POINT OF CURVATURE
PRC	INDICATES POINT OF REVERSED CURVATURE
DWG	INDICATES DRIVEWAY
FP	INDICATES FINISHED PAVEMENT
---	INDICATES PROPERTY/RIGHT-OF-WAY
(89)	INDICATES EXISTING CONTOUR (PER APP'RD R.G. PLAN)
(12.34)	INDICATES EXISTING ELEVATION
12.34	INDICATES PROPOSED ELEVATION
→	INDICATES DIRECTION OF FLOW
~	INDICATES SAWCUT LINE
W	INDICATES EXISTING WATER LINE
E	INDICATES EXISTING UNDERGROUND ELECTRICAL LINE
IRR	INDICATES EXISTING IRRIGATION LINE
D	INDICATES EXISTING CVDW DRAIN LINE
S	INDICATES EXISTING SANITARY SEWER LINE
G	INDICATES EXISTING GAS LINE
SD	INDICATES PROPOSED STORM DRAIN LINE
⊕	INDICATES PROPOSED CURB INLET
000	INDICATES PROPOSED CONTOUR
⊙	INDICATES PROPOSED LIGHT POLE
▨	INDICATES CONCRETE SIDEWALK OR DRIVEWAY
▨	INDICATES 3" THICK DECOMPOSED GRANITE SURFACE
▨	INDICATES PROPOSED ASPHALT PAVEMENT
▨	INDICATES PROPOSED COLD PLANE
▨	INDICATES EXISTING CURB AND GUTTER
▨	INDICATES PROPOSED CURB AND GUTTER
▨	INDICATES FUTURE CURB AND GUTTER
CRM	CITY OF RANCHO MIRAGE
▨	INDICATES ASPHALT REMOVAL
⊕	INDICATES EXISTING FIRE HYDRANT
⊕	INDICATES EXISTING WATER METER

ESTIMATED EARTHWORK QUANTITIES

RAW CUT:	3,734 C.Y.
RAW FILL:	3,625 C.Y.
SUBSIDENCE:	652 C.Y.
SHRINKAGE (12.5%):	531 C.Y.
OVER EX:	89 C.Y.
NET CUT:	3,823 C.Y.
NET FILL:	4,896 C.Y.
IMPORT:	1,073 C.Y.

VICINITY MAP



SHEET INDEX

- | | |
|----|--------------------------------|
| 9 | COVER SHEET - NOTES AND LEGEND |
| 10 | PRECISE GRADING PLAN |
| 11 | CROSS SECTIONS AND DETAILS |

UTILITIES

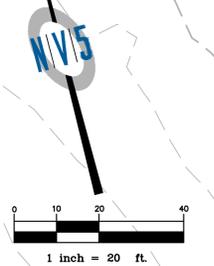
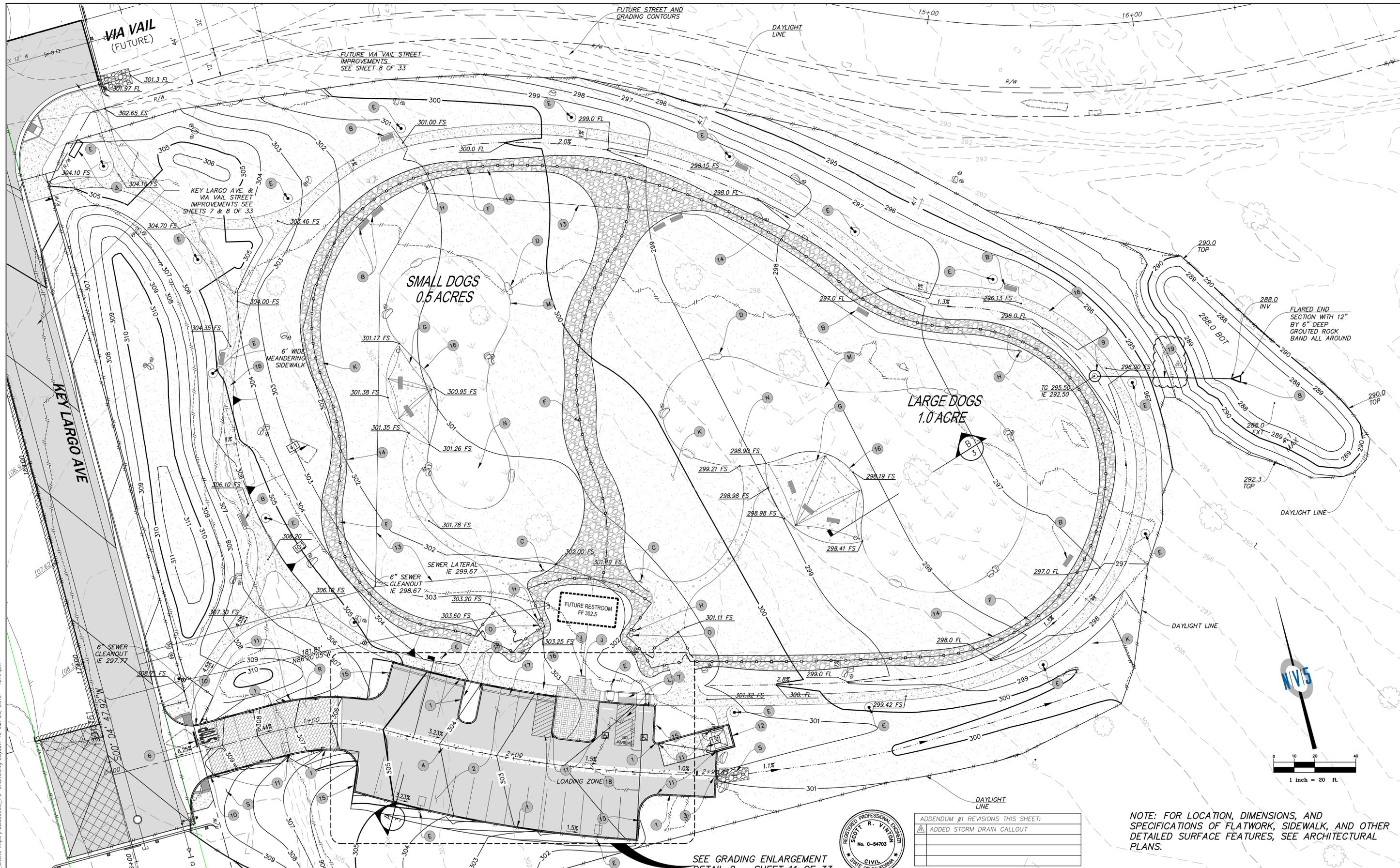
WATER & SEWER:	CWVD ATTN: TYLER HULL 75-525 HOWLEY LN E PALM DESERT, CA 92211 (760) 398-2651
TELEPHONE:	VERIZON ATTN: LARRY MOORE 295 N. SUNRISE WAY PALM SPRINGS, CA 92262 (760) 778-3603
CABLE TV:	TIME WARNER CABLE ATTN: LEE HOBSON 83-473 AVENUE 45 INDIO, CA 92201 (760) 674-6007
GAS:	SOCAL GAS ATTN: GERTMAN THOMAS 1981 W LUGONIA AVE REDLANDS, CA 92374 (909) 335-7733
ELECTRICITY:	SCE ATTN: VINCE ALVAREZ 36100 CATHEDRAL CANYON CATHEDRAL CITY, CA (760) 202-4255



ADDENDUM #1 REVISIONS THIS SHEET:	
⚠	REVISED HATCHING PATTERNS IN LEGEND
⚠	ADDED 18" STORM DRAIN ITEM & QUANTITY

N:\P08033900\Cad\Civil\02_DocSet\Imps\PD08033900_PC-Civil\Site.dwg Layout: 9 Jun 20, 2016 - 12:04pm

IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 0210 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT IS COMPLETED RESPONSIBILITY FOR YOUR PRE-EXCAVATION CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG	UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS. ENGINEER'S NOTE TO CONTRACTOR: CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR SHALL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL FIRMLESS FROM AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.	<table border="1"> <thead> <tr> <th>#</th> <th>REVISIONS</th> <th>DATE</th> <th>APP.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ADDENDUM #1</td> <td>1/21/16</td> <td></td> </tr> </tbody> </table>	#	REVISIONS	DATE	APP.	1	ADDENDUM #1	1/21/16		BENCHMARK CITY OF RANCHO MIRAGE RM 50, MONTEREY AVENUE/MARKET PLACE WAY, AT THE SOUTHERLY EOR, SOUTHWESTERLY CURB RETURN OF MONTEREY AVENUE AND MARKET PLACE WAY, 2-1/2" BRASS DISK IN TC, STAMPED "CITY OF RANCHO MIRAGE RM 50 RESET 9-28-06 BENCHMARK" ELEVATION 249.305 (NAVD83) BASIS OF BEARING THE BEARINGS SHOWN HEREON ARE BASED ON THE WEST LINE OF THE NW 1/4 OF THE NE 1/4 OF SECTION 30, T. 4 S., R. 6 E., SHOWN AS N 00°04' 48" E PER PM 178/63-68.	42-829 COOK STREET SUITE 104 760.3413101 TEL 760.3415898 FAX PALM DESERT CA 92211 WWW.NIV5.COM	PREPARED UNDER THE DIRECT SUPERVISION OF: SCOTT R. VINTON DATE R.C.E. 54703 EXP. 12/31/15 GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY: DATE	RECOMMENDED FOR APPROVAL BY: MARK W. SAMBITO DATE R.C.E. 43910, EXP. 6/30/2017 APPROVED BY CITY OF RANCHO MIRAGE: WILLIAM A. ENOS, CITY ENGINEER DATE R.C.E. 43910, EXP. 6/30/2017	CITY OF RANCHO MIRAGE RANCHO MIRAGE DOG PARK PRECISE GRADING PLANS PROJECT DESCRIPTION COVER SHEET - NOTES AND LEGEND SITE ADDRESS KEY LARGO AVE AND VIA VAIL LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011	SHEET 9 OF 33 PRIVATE REFERENCE # PD08033900 CITY REFERENCE # E1500165
#	REVISIONS	DATE	APP.													
1	ADDENDUM #1	1/21/16														



ADDENDUM #1 REVISIONS THIS SHEET:

▲	ADDED STORM DRAIN CALLOUT

NOTE: FOR LOCATION, DIMENSIONS, AND SPECIFICATIONS OF FLATWORK, SIDEWALK, AND OTHER DETAILED SURFACE FEATURES, SEE ARCHITECTURAL PLANS.

SEE GRADING ENLARGEMENT
DETAIL 2 ~ SHEET 11 OF 33



IMPORTANT NOTICE
CALL BEFORE YOU DIG
SECTION 15109 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT IS ISSUED FOR ANY EXCAVATION WORK. YOUR PRE-EXCAVATION INQUIRY CALL MUST BE MADE AT LEAST TWO WORKING DAYS BEFORE YOU DIG.

UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL BE RESPONSIBLE FOR ANY DAMAGE TO OR LOSS OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

ENGINEER'S NOTE TO CONTRACTOR: CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR SHALL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO EXTEND INDEMNITY AND HOLD HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO, THESE UTILITIES OR STRUCTURES.

#	REVISIONS	DATE	APP.
1	ADDENDUM #1	1/21/16	

BENCHMARK
CITY OF RANCHO MIRAGE RM 50, MONTEREY AVENUE/MARKET PLACE WAY, AT THE SOUTHERLY EOR, SOUTHWESTERLY CURB RETURN OF MONTEREY AVENUE AND MARKET PLACE WAY, 2-1/2" BRASS DISK IN T.C., STAMPED "CITY OF RANCHO MIRAGE RM 50 RESET 9-28-06 BENCHMARK" ELEVATION 249.305 (NAVD83)

BASIS OF BEARING
THE BEARINGS SHOWN HEREON ARE BASED ON THE WEST LINE OF THE NW 1/4 OF THE NE 1/4 OF SECTION 30, T. 4 S., R. 6 E., SHOWN AS N 00°04' 48" E PER PM 178/63-68.

NIV5
42-829 COOK STREET SUITE 104
760.3413101 TEL 760.3415898 FAX
PALM DESERT CA 92211
WWW.NIV5.COM

OWNER
CITY OF RANCHO MIRAGE
69825 HIGHWAY 111
RANCHO MIRAGE CA 92270
PH 760 770-3224 FAX 760 770-3281

PREPARED UNDER THE DIRECT SUPERVISION OF:
SCOTT R. VINTON
R.C.E. 54703
EXP. 12/31/15
DATE

RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO
R.C.E. 53613, EXP. 6/30/2017
DATE

APPROVED BY CITY OF RANCHO MIRAGE:
WILLIAM A. ENOS, CITY ENGINEER
R.C.E. 43910, EXP. 6/30/2017
DATE

CITY OF RANCHO MIRAGE
RANCHO MIRAGE DOG PARK
PRECISE GRADING PLANS

PROJECT DESCRIPTION
KEY LARGO AVE AND VIA VAIL

SITE ADDRESS
LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF SECTION 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

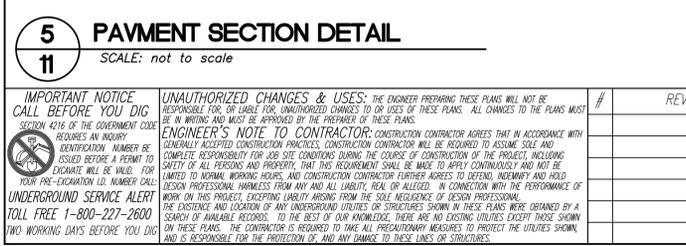
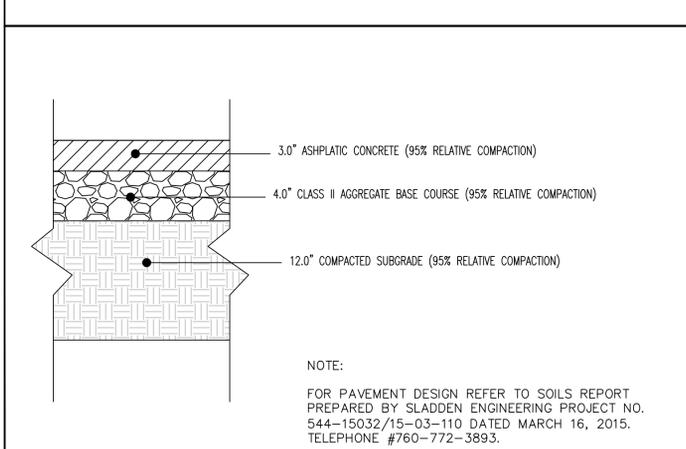
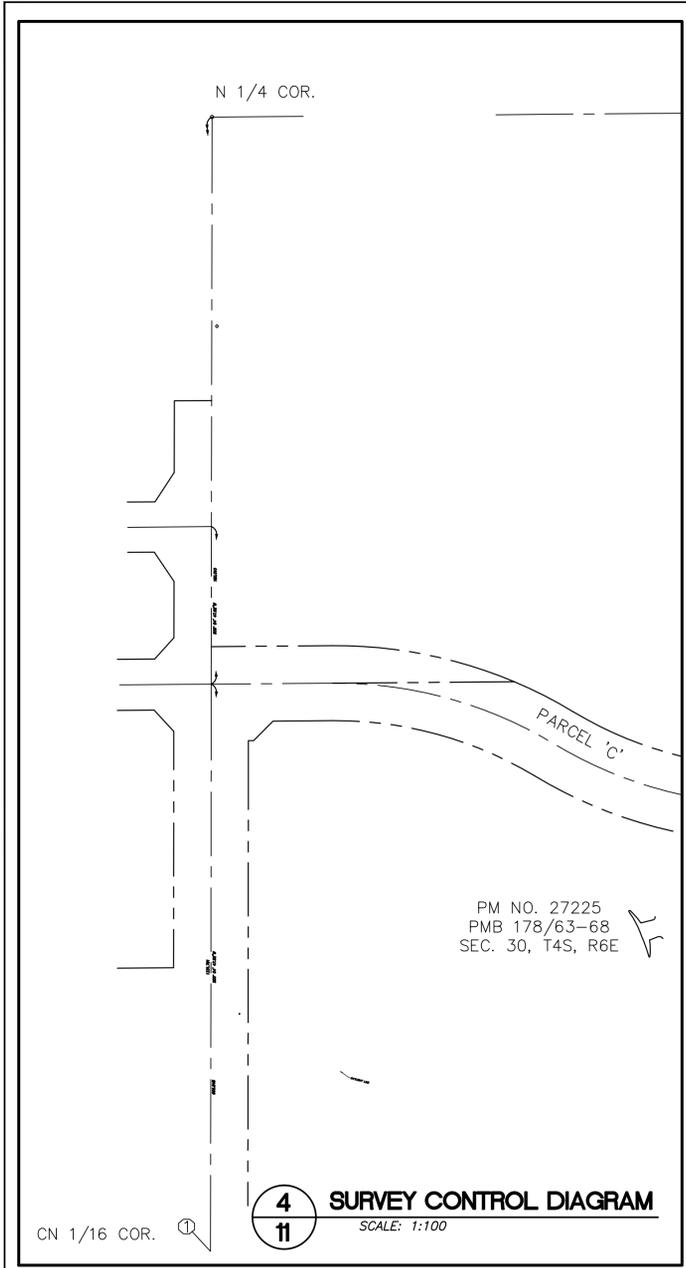
SHEET 10 OF 33

PRIVATE REFERENCE # PDB033900

CITY REFERENCE # E1500165

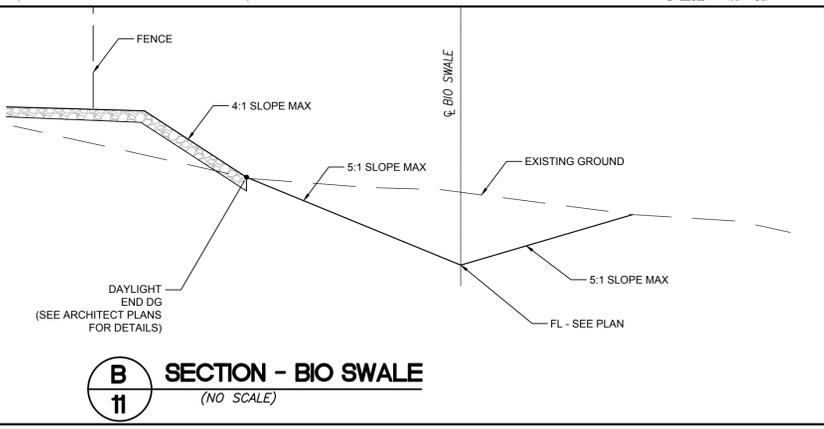
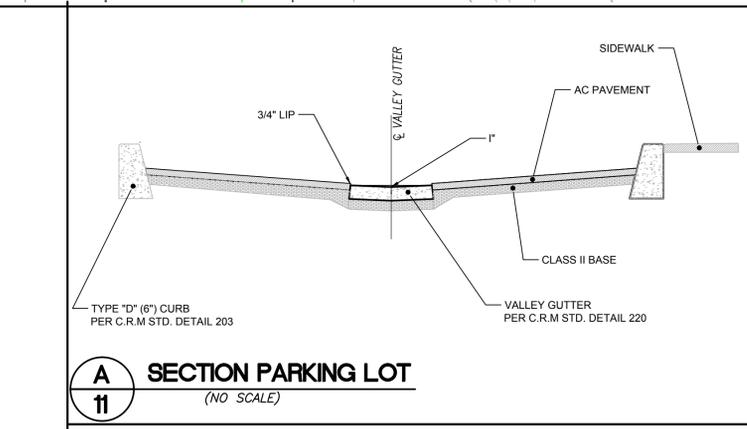
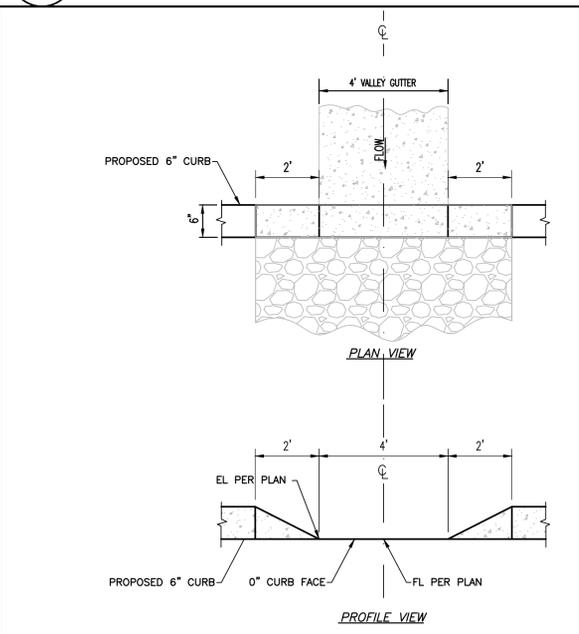
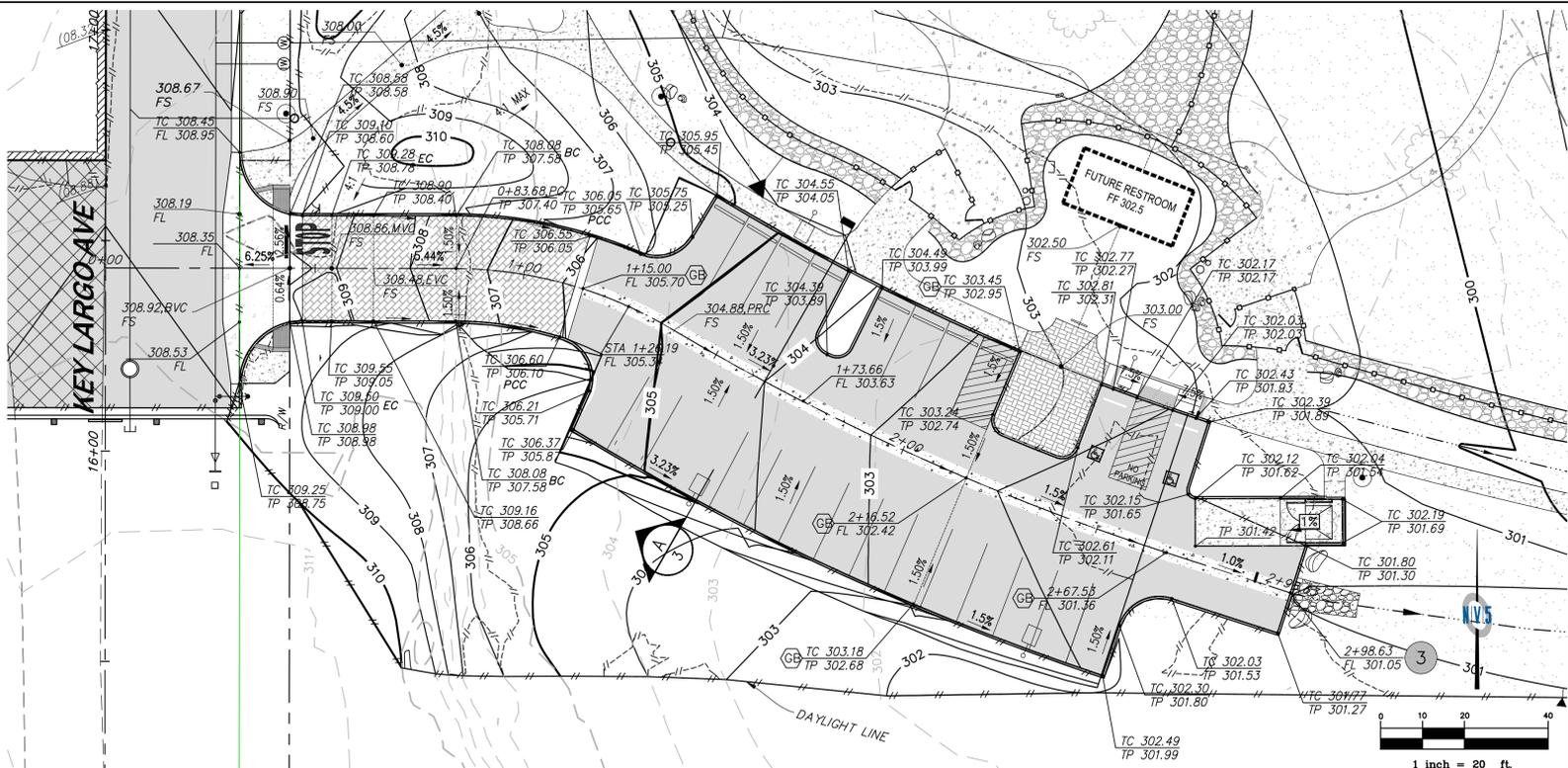
Bid Set - 1/21/2016

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Curve Table				Line Table		
Curve #	Length	Radius	Delta	Line #	Length	Direction
C3	3.02	15.00	011°32'22"	L2	44.00	S89° 55' 12.08"E
C4	45.22	114.50	022°37'48"	L3	36.72	S89° 55' 12.08"E
C5	14.29	10.00	081°52'24"	L4	11.20	N31° 10' 53.24"E
C6	81.00	557.32	008°19'40"	L5	15.97	S27° 28' 49.00"W
C7	6.32	4.00	090°27'46"	L6	1.26	S62° 58' 56.53"E
C8	6.32	4.00	090°27'46"	L7	15.97	S26° 33' 17.94"W
C9	81.00	557.32	008°19'40"	L8	15.99	S22° 51' 13.69"W
C10	6.31	4.00	090°23'59"	L9	15.99	S20° 40' 30.54"W
C11	13.90	577.32	001°22'45"	L10	36.64	S89° 55' 12.08"E
C12	6.31	4.00	090°23'59"	L11	7.89	S31° 15' 01.69"W
C13	3.02	15.00	011°32'22"	L12	12.61	S18° 24' 29.08"W
C14	27.14	89.50	017°22'26"	L13	4.88	N18° 03' 48.03"E
C15	18.05	10.00	103°24'24"	L14	3.00	N18° 03' 48.03"E
C16	139.49	622.32	012°50'33"	L15	4.00	N18° 03' 48.03"E
C17	15.57	10.00	089°12'33"	L16	3.00	N18° 03' 48.03"E
C20	3.00	557.32	000°18'30"	L17	4.79	N18° 03' 48.03"E
C21	6.04	557.32	000°37'17"	L20	16.30	N17° 53' 57.36"E
C22	9.00	557.32	000°55'31"	L21	30.80	S89° 48' 21.34"W
C23	8.96	557.32	000°55'15"	L22	39.68	S89° 55' 12.08"E
C24	3.77	2.00	108°05'36"	L23	26.52	S72° 06' 02.64"E
C25	54.69	102.00	030°43'24"			
C26	129.15	589.82	012°32'46"			

2 GRADING ENLARGEMENT DETAIL
SCALE: 1:20



#	REVISIONS	DATE	APP.

BENCHMARK
CITY OF RANCHO MIRAGE RM 50, MONTEREY AVENUE/MARKET PLACE WAY, AT THE SOUTHERLY ECR, SOUTHWESTERLY CURB RETURN OF MONTEREY AVENUE AND MARKET PLACE WAY. 2-1/2" BRASS DISK IN TC, STAMPED CITY OF RANCHO MIRAGE RM 50 RESET 9-28-06 BENCHMARK ELEVATION 249.305 (NAVD83)

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NIV5
42-828 COOK STREET SUITE 104
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PALM DESERT CA 92211
WWW.NIV5.COM

OWNER
CITY OF RANCHO MIRAGE
69825 HIGHWAY 111
RANCHO MIRAGE CA 92270
PH 760 770-3224 FAX 760 770-3281

PREPARED UNDER THE DIRECT SUPERVISION OF:
SCOTT R. VINTON
R.C.E. 54703
EXP. 12/31/15

DATE
DATE

RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO
R.C.E. 53613, EXP. 6/30/2017
APPROVED BY CITY OF RANCHO MIRAGE:

DATE
DATE

WILLIAM A. ENOS, CITY ENGINEER
R.C.E. 43910, EXP. 6/30/2017

CITY OF RANCHO MIRAGE
RANCHO MIRAGE DOG PARK
PRECISE GRADING PLANS

SHEET **11**
OF **33**

PROJECT DESCRIPTION
SITE DIMENSION AND SURVEY CONTROL

SITE ADDRESS
KEY LARGO AVE AND VIA VAIL

LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF
SEC. 30, T. 4 S., R. 6 E., S.B.&M. A.P.N. 685-090-011

PRIVATE REFERENCE #
PB0033900

CITY REFERENCE #
E1500165

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 IMPORTANT NOTICE: CALL BEFORE YOU DIG. SECTION 4116 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR YOUR PRE-EXCAVATION ID NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG. UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR ANY UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS. ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.



These plans have been reviewed by the Coachella Valley Water District in accordance with California Government Code, Section 65591 et seq. requiring efficient landscape and irrigation design in cooperation with the local governing agency (City or County).

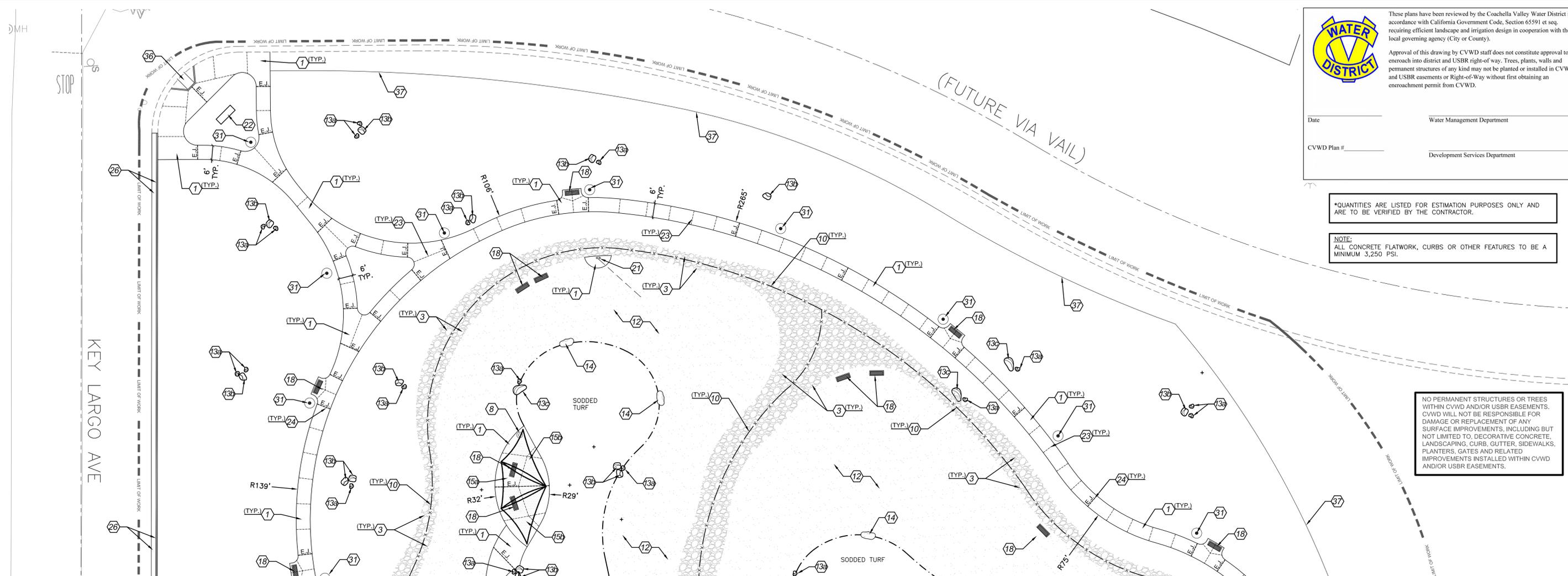
Approval of this drawing by CVWD staff does not constitute approval to encroach into district and USBR right-of-way. Trees, plants, walls and permanent structures of any kind may not be planted or installed in CVWD and USBR easements or Right-of-Way without first obtaining an encroachment permit from CVWD.

Date _____ Water Management Department
 CVWD Plan # _____ Development Services Department

*QUANTITIES ARE LISTED FOR ESTIMATION PURPOSES ONLY AND ARE TO BE VERIFIED BY THE CONTRACTOR.

NOTE: ALL CONCRETE FLATWORK, CURBS OR OTHER FEATURES TO BE A MINIMUM 3,250 PSI.

NO PERMANENT STRUCTURES OR TREES WITHIN CVWD AND/OR USBR EASEMENTS. CVWD WILL NOT BE RESPONSIBLE FOR DAMAGE OR REPLACEMENT OF ANY SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, DECORATIVE CONCRETE, LANDSCAPING, CURB, GUTTER, SIDEWALKS, PLANTERS, GATES AND RELATED IMPROVEMENTS INSTALLED WITHIN CVWD AND/OR USBR EASEMENTS.



MATCHLINE, SEE SHEET 13

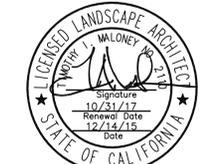
CONSTRUCTION LEGEND:

DESCRIPTION	QTY.*	SUPPLIER	DETAIL
1 CONSTRUCT 4" THICK CONCRETE (3,250 PSI MIN.) PAVING, COLOR TO BE DAVIS COLORS 'YOSEMITE BROWN' #641, FINISH TO BE MEDIUM BROOM	15,111 SF		DETAIL 'A' SHEET 14
2 INSTALL BELGARD 'HOLLAND STONE' 80MM THICK WITH 2" WIDE CONCRETE BAND. BAND COLOR TO BE DAVIS COLORS 'YOSEMITE BROWN' #641. PAVER PATTERN TO BE MODIFIED BASKET WEAVE, COLOR TO BE 'BELLA'	1,636 SF (PAVERS) 55 SF (BAND)	BELGARD (877)235-4273	DETAIL 'B' SHEET 14
3 INSTALL 4"-8" CRUSHED ROCK. COLOR TO BE 'MINER'S GOLD'	12,065 SF	SOUTHWEST BOULDER & STONE (877)792-7625	DETAIL 'C' SHEET 16
4 ASPHALT PAVING PER GRADING PLANS	8,511 SF		DETAIL 'S' SHEET 11
5 4" WIDE WHITE PARKING SPACE STRIPING PER SPECIFICATIONS (TWO COAT APPLICATION)	180 LF		PER MANUF. SPECS
6 INSTALL DISABLED PARKING, SIGNAGE, STRIPING & WHEEL STOP	2 EA		DETAIL 'E-G' SHEET 14
7 CONSTRUCT DISABLED ACCESS CURB RAMP	1 EA		DETAIL 'E' SHEET 14
8 INSTALL TRASH RECEPTACLE. BOLT RECEPTACLE THROUGH BOTTOM TO KEEP IN PLACE.	4 EA	QUICK CRETE PRODUCTS (951)737-6240	DETAIL 'A' SHEET 16
9 CONSTRUCT 12" MAINTENANCE BAND ADJACENT TO CURB, COLOR TO BE DAVIS COLORS 'YOSEMITE BROWN' #641	96 SF		DETAIL 'D' SHEET 14
10 INSTALL 6" HIGH 'MONTAGE PLUS PPP' DECORATIVE ALUMINUM DOG FENCE, STYLE TO BE 'MAJESTIC', COLOR TO BE 'BLACK'	1,395 LF	AMERISTAR FENCE PRODUCTS (888)333-3422	DETAIL 'A' SHEET 15
11 INSTALL 6" HIGH 'MONTAGE PLUS PPP' DECORATIVE ALUMINUM GATE, STYLE TO BE 'MAJESTIC', COLOR TO BE 'BLACK'	4 EA	AMERISTAR FENCE PRODUCTS (888)333-3422	DETAIL 'E' SHEET 15
12 INSTALL 3" LAYER OF STABILIZED DECOMPOSED GRANITE, COLOR TO BE 'APACHE BROWN'	585 TONS	SOUTHWEST BOULDER & STONE (877)792-7625	DETAIL 'B' SHEET 15
13a INSTALL SMALL 1 1/2"-2 1/2" BOULDERS, COLOR TO BE 'DESERT SELECT'	32 EA		
13b INSTALL MEDIUM 3"-4" BOULDERS, COLOR TO BE 'DESERT SELECT'	34 EA	SOUTHWEST BOULDER & STONE (877)792-7625	DETAIL 'C' SHEET 15
13c INSTALL LARGE 5"-6" BOULDERS, COLOR TO BE 'DESERT SELECT'	10 EA		
14 INSTALL 3" WIDE x 5" LONG x 24" TALL RECTANGULAR SEAT BOULDERS, COLOR TO BE 'DESERT SELECT'	7 EA	SOUTHWEST BOULDER & STONE (877)792-7625	DETAIL 'D' SHEET 15

CONSTRUCTION LEGEND (CONTINUED):

DESCRIPTION	QTY.*	SUPPLIER	DETAIL
15a INSTALL SHADE SAIL; POWDER COATED STEEL COLOR TO BE: ALMOND; FABRIC TYPE TO BE 'FIREBLOCK'. FABRIC COLOR TO BE: BEIGE	471 SF		
15b INSTALL SHADE SAIL; POWDER COATED STEEL COLOR TO BE: ALMOND; FABRIC TYPE TO BE 'FIREBLOCK'. FABRIC COLOR TO BE: TRUE BLUE	297 SF	SHADE FOR PLAY (949)892-6403	PER MANUF. SPECS
15c INSTALL SHADE SAIL; POWDER COATED STEEL COLOR TO BE: ALMOND; FABRIC TYPE TO BE 'FIREBLOCK'. FABRIC COLOR TO BE: FOREST GREEN	636 SF		
16 INSTALL INFORMATION BOARD, MODEL #MCP-L-DSDP, COLOR TO BE 'BLACK'	1 EA	BELSON OUTDOORS (800)323-5664	DETAIL 'C' SHEET 14
17 INSTALL BELGARD 'HOLLAND STONE' 80MM THICK DONOR PAVERS IN MODIFIED BASKET WEAVE PATTERN, COLOR TO BE 'BELLA'	578 SF	BELGARD (877)235-4273	DETAIL 'B' SHEET 16
18 INSTALL BENCH	17 EA	QUICK CRETE PRODUCTS (951)737-6240	DETAIL 'E' SHEET 16
19 INSTALL WAXIE DOGGIE BAG DISPENSER (ITEM# 701601) AND DOGGIE BAGS (ITEM# 701600)	2 EA	WAXIE SANITARY SUPPLY (800)995-4466	DETAIL 'F' SHEET 15
20 INSTALL MOST DEPENDABLE DRINKING FOUNTAIN #440-SM W/ SURFACE CARRIER, PET FOUNTAIN AND FOOT WASH. COLOR TO BE 'PYRITE'	2 EA	MOST DEPENDABLE FOUNTAINS 800-225-7473	DETAIL 'D' SHEET 17
21 INSTALL MOST DEPENDABLE PET FOUNTAIN #300-SM W/ SURFACE CARRIER. COLOR TO BE 'PYRITE'	2 EA	MOST DEPENDABLE FOUNTAINS 800-225-7473	DETAIL 'D' SHEET 17
22 INSTALL MONUMENT SIGN	1 EA	QUICK CRETE PRODUCTS 951-737-6240	DETAIL 'X' SHEET 17
23 CONSTRUCT SCORE JOINT AT 10' O.C. & CENTERLINE			DETAIL 'A' SHEET 14
24 CONSTRUCT EXPANSION JOINT AT 50' O.C.		E.J.	DETAIL 'A' SHEET 14

- ADDENDUM #1 REVISIONS THIS SHEET:
- 1 REVISD CONCRETE COLOR TO 'YOSEMITE BROWN'. AFFECTS ITEMS 1, 2, 9, 32, 34, 35, 36.
 - 2 REVISD CRUSHED ROCK COLOR 'MINER'S GOLD'. AFFECTS ITEM 3.
 - 3 REVISD FENCE/GATE TYPE TO 'MONTAGE PLUS PPP'. AFFECTS ITEMS 10 & 11.
 - 4 ADDED REDWOOD HEADER AT LIMITS OF DECOMPOSED GRANITE. AFFECTS ITEM 37.
 - 5 REVISD SHADE SAIL FABRIC TYPE & COLOR. AFFECTS ITEMS 15a, 15b, 15c.
 - 6 ADDED DETAIL FOR DRINKING FOUNTAINS. AFFECTS ITEMS 20 & 21.



CONSTRUCTION LEGEND (CONTINUED):

DESCRIPTION	QTY.*	SUPPLIER	DETAIL
25 PAINT CURB RED WITH TRAFFIC PAINT PER CITY SPECIFICATIONS.	131 LF		
26 KEY LARGO AVENUE CURB AND GUTTER PER OFF-SITE IMPROVEMENT PLANS, SHEETS 6-8			
27 INSTALL CUSTOM DOG PARK RULES SIGN	2 EA	DOGPOOPSIGNS.COM (800)952-1457	DETAIL 'D' SHEET 16
28 INSTALL 'SMALL DOG AREA' SIGN	1 EA	DOGPOOPSIGNS.COM (800)952-1457	DETAIL 'F' SHEET 16
29 INSTALL 'LARGE DOG AREA' SIGN	1 EA	DOGPOOPSIGNS.COM (800)952-1457	DETAIL 'G' SHEET 16
30 CONSTRUCT SPLIT-FACE BLOCK WALL TRASH ENCLOSURE	1 EA		DETAIL 'C' SHEET 17
31 LIGHTING PER ELECTRICAL PLAN			
32 CONSTRUCT CONCRETE CURB (3,250 PSI), COLOR TO BE DAVIS COLORS 'YOSEMITE BROWN' #641 WITH LT. BROOM FINISH.	658 LF		DETAIL 'D' SHEET 14
33 INSTALL ELECTROMAGNETIC GATE LOCK. LOCK TO BE MAGNALOCK (M62) WITH PRIME TIME DIGITAL TIMER (DT-7), TIME MATE TIMER (TM-9), AND RED PUSH BUTTON (PB)	2 EA	SECURITRON (800)624-5685	PER MANUF. SPECS
34 CONSTRUCT COMMERCIAL DRIVEWAY APPROACH PER CITY STD. DTL. 215, COLOR TO BE DAVIS COLORS 'YOSEMITE BROWN' #641	660 SF		
35 CONSTRUCT 4" WIDE CONCRETE VALLEY GUTTER PER CITY STD. DTL. 220, COLOR TO BE DAVIS COLORS 'YOSEMITE BROWN' #641	184 LF		
36 CONSTRUCT ACCESS RAMP PER CITY STD. DTL. 502, COLOR TO BE DAVIS COLORS 'YOSEMITE BROWN' #641	3 EA		
37 INSTALL 2"x6" REDWOOD HEADER	1,247 LF		DETAIL 'B' SHEET 17

NOTE: DIMENSIONS ARE PROVIDED FOR APPROXIMATIONS ONLY. CONSTRUCTION STAKING SHALL BE PERFORMED USING EQUIPMENT CAPABLE OF DECIPHERING AUTOCAD 2010 INFORMATION. CAD FILE IS AVAILABLE FOR STAKING PURPOSES. CONTRACTOR SHALL CONTACT COMMUNITY WORKS DESIGN GROUP FOR ELECTRONIC COPY.



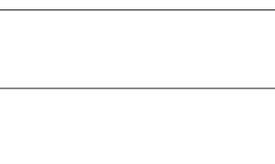
Jan 21, 2016 - 8:31am Allison Rush F:\Rancho Mirage Dog Park\CD's\Construction.dwg

IMPORTANT NOTICE
 CALL BEFORE YOU DIG
 SECTION 4216 OF THE GOVERNMENT CODE
 REQUIRES AN AGENCY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR YOUR PRE-EXCAVATION ID, NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG.

UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.

#	REVISIONS	DATE	APP.
1.	ADDENDUM #1	1/21	



COMMUNITY WORKS DESIGN GROUP
 4649 BROCKTON AVENUE RIVERSIDE, CA 92506
 951-369-0700

CITY OF RANCHO MIRAGE
 69825 HIGHWAY 111 RANCHO MIRAGE, CA 92270
 760-770-3224

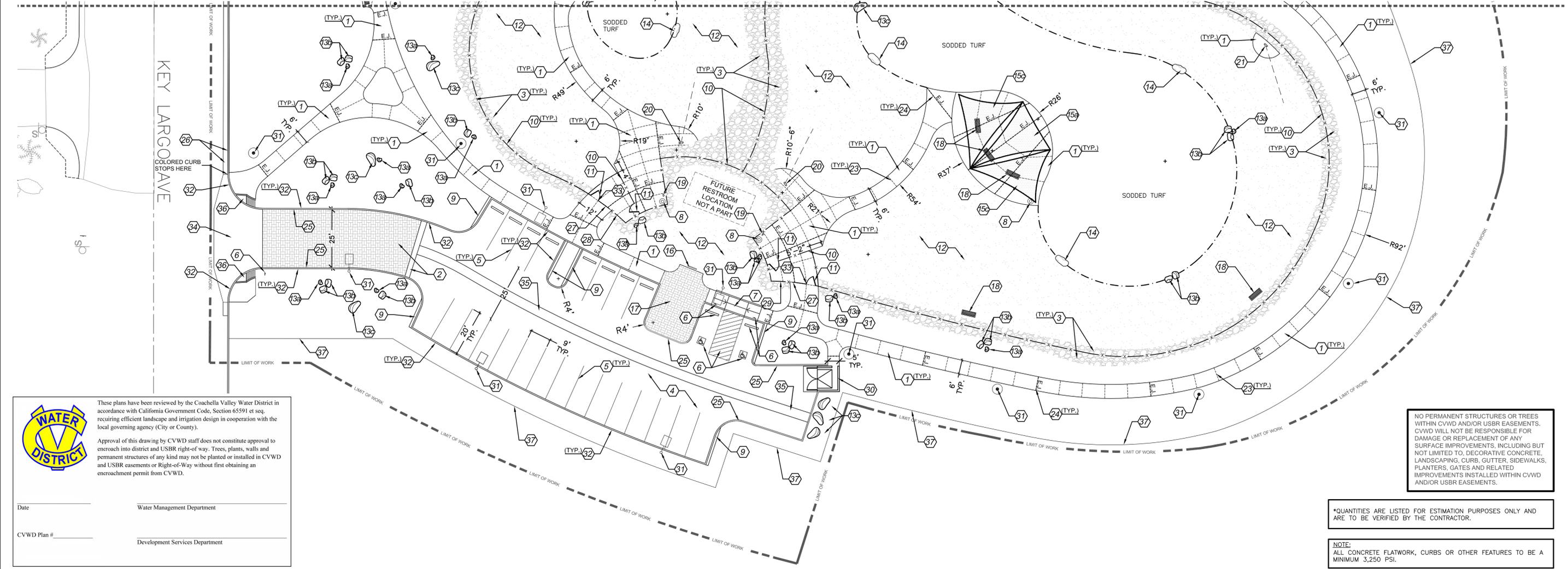
PREPARED UNDER THE DIRECT SUPERVISION OF:
 TIM MALONEY, RLA 2110, EXP. 10/31/17
 GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
 BRETT S. ANDERSON, PRINCIPAL ENGINEER R.C.E. C43389, EXP. 9/30/16

RECOMMENDED FOR APPROVAL BY:
 MARK W. SAMBITO, R.C.E. 53613, EXP. 6/30/2017
 APPROVED BY CITY OF RANCHO MIRAGE:
 WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017

CITY OF RANCHO MIRAGE
 CONSTRUCTION PLAN
 PROJECT RANCHO MIRAGE DOG PARK
 DESCRIPTION C.P. 14-311
 SITE ADDRESS 34-100 KEY LARGO AVENUE
 LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

SHEET 12 OF 33
 PRIVATE REFERENCE # 150109
 PERMIT # E1500165

MATCHLINE, SEE SHEET 12



WATER DISTRICT

These plans have been reviewed by the Coachella Valley Water District in accordance with California Government Code, Section 65591 et seq. requiring efficient landscape and irrigation design in cooperation with the local governing agency (City or County).

Approval of this drawing by CVWD staff does not constitute approval to encroach into district and USBR right-of-way. Trees, plants, walls and permanent structures of any kind may not be planted or installed in CVWD and USBR easements or Right-of-Way without first obtaining an encroachment permit from CVWD.

Date: _____ Water Management Department

CVWD Plan #: _____ Development Services Department

NO PERMANENT STRUCTURES OR TREES WITHIN CVWD AND/OR USBR EASEMENTS. CVWD WILL NOT BE RESPONSIBLE FOR DAMAGE OR REPLACEMENT OF ANY SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, DECORATIVE CONCRETE, LANDSCAPING, CURB, GUTTER, SIDEWALKS, PLANTERS, GATES AND RELATED IMPROVEMENTS INSTALLED WITHIN CVWD AND/OR USBR EASEMENTS.

*QUANTITIES ARE LISTED FOR ESTIMATION PURPOSES ONLY AND ARE TO BE VERIFIED BY THE CONTRACTOR.

NOTE:
ALL CONCRETE FLATWORK, CURBS OR OTHER FEATURES TO BE A MINIMUM 3,250 PSI.

CONSTRUCTION LEGEND:

DESCRIPTION	QTY.*	SUPPLIER	DETAIL
1 CONSTRUCT 4" THICK CONCRETE (3,250 PSI MIN.) PAVING, COLOR TO BE DAVIS COLORS 'YOSEMITE BROWN' #641, FINISH TO BE MEDIUM BROOM	15,111 SF		DETAIL 'A' SHEET 14
2 INSTALL BELGARD 'HOLLAND STONE' 80MM THICK WITH 2" WIDE CONCRETE BAND. BAND COLOR TO BE DAVIS COLORS 'YOSEMITE BROWN' #641. PAVEMENT PATTERN TO BE MODIFIED BASKET WEAVE, COLOR TO BE 'BELLA'	1,636 SF (PAVERS) 55 SF (BAND)	BELGARD (877)235-4273	DETAIL 'B' SHEET 14
3 INSTALL 4"-8" CRUSHED ROCK. COLOR TO BE 'MINER'S GOLD'	12,065 SF	SOUTHWEST BOULDER & STONE (877)792-7625	DETAIL 'C' SHEET 16
4 ASPHALT PAVING PER GRADING PLANS	8,511 SF		DETAIL 'S' SHEET 11
5 4" WIDE WHITE PARKING SPACE STRIPING PER SPECIFICATIONS (TWO COAT APPLICATION)	180 LF		PER MANUF. SPECS
6 INSTALL DISABLED PARKING, SIGNAGE, STRIPING & WHEEL STOP	2 EA		DETAIL 'E-G' SHEET 14
7 CONSTRUCT DISABLED ACCESS CURB RAMP	1 EA		DETAIL 'I' SHEET 14
8 INSTALL TRASH RECEPTACLE. BOLT RECEPTACLE THROUGH BOTTOM TO KEEP IN PLACE	4 EA	QUICK CRETE PRODUCTS (951)737-6240	DETAIL 'A' SHEET 16
9 CONSTRUCT 12" MAINTENANCE BAND ADJACENT TO CURB, COLOR TO BE DAVIS COLORS 'YOSEMITE BROWN' #641	96 SF		DETAIL 'D' SHEET 14
10 INSTALL 6" HIGH 'MONTAGE PLUS PPP' DECORATIVE ALUMINUM DOG FENCE, STYLE TO BE 'MAJESTIC', COLOR TO BE 'BLACK'	1,395 LF	AMERISTAR FENCE PRODUCTS (888)333-3422	DETAIL 'A' SHEET 15
11 INSTALL 6" HIGH 'MONTAGE PLUS PPP' DECORATIVE ALUMINUM GATE, STYLE TO BE 'MAJESTIC', COLOR TO BE 'BLACK'	4 EA	AMERISTAR FENCE PRODUCTS (888)333-3422	DETAIL 'E' SHEET 15
12 INSTALL 3" LAYER OF STABILIZED DECOMPOSED GRANITE, COLOR TO BE 'APACHE BROWN'	565 TONS	SOUTHWEST BOULDER & STONE (877)792-7625	DETAIL 'B' SHEET 15
13a INSTALL SMALL 1 1/2"-2 1/2" BOULDERS, COLOR TO BE 'DESERT SELECT'	32 EA		
13b INSTALL MEDIUM 3'-4" BOULDERS, COLOR TO BE 'DESERT SELECT'	34 EA	SOUTHWEST BOULDER & STONE (877)792-7625	DETAIL 'C' SHEET 15
13c INSTALL LARGE 5'-6" BOULDERS, COLOR TO BE 'DESERT SELECT'	10 EA		
14 INSTALL 3" WIDE x 5' LONG x 24" TALL RECTANGULAR SEAT BOULDERS, COLOR TO BE 'DESERT SELECT'	7 EA	SOUTHWEST BOULDER & STONE (877)792-7625	DETAIL 'D' SHEET 15

CONSTRUCTION LEGEND (CONTINUED):

DESCRIPTION	QTY.*	SUPPLIER	DETAIL
15a INSTALL SHADE SAIL; POWDER COATED STEEL COLOR TO BE: ALMOND; FABRIC TYPE TO BE 'FIREBLOCK'. FABRIC COLOR TO BE: BEIGE	471 SF		
15b INSTALL SHADE SAIL; POWDER COATED STEEL COLOR TO BE: ALMOND; FABRIC TYPE TO BE 'FIREBLOCK'. FABRIC COLOR TO BE: TRUE BLUE	297 SF	SHADE FOR PLAY (949)892-6403	PER MANUF. SPECS
15c INSTALL SHADE SAIL; POWDER COATED STEEL COLOR TO BE: ALMOND; FABRIC TYPE TO BE 'FIREBLOCK'. FABRIC COLOR TO BE: FOREST GREEN	636 SF		
16 INSTALL INFORMATION BOARD, MODEL #MCP-L-DSDP, COLOR TO BE 'BLACK'	1 EA	BELSON OUTDOORS (800)323-5664	DETAIL 'C' SHEET 14
17 INSTALL BELGARD 'HOLLAND STONE' 80MM THICK DONOR PAVERS IN MODIFIED BASKET WEAVE PATTERN, COLOR TO BE 'BELLA'	578 SF	BELGARD (877)235-4273	DETAIL 'B' SHEET 16
18 INSTALL BENCH	17 EA	QUICK CRETE PRODUCTS (951)737-6240	DETAIL 'E' SHEET 16
19 INSTALL WAXIE DOGGIE BAG DISPENSER (ITEM# 701601) AND DOGGIE BAGS (ITEM# 701600)	2 EA	WAXIE SANITARY SUPPLY (800)995-4466	DETAIL 'F' SHEET 15
20 INSTALL MOST DEPENDABLE DRINKING FOUNTAIN #440-SM W/ SURFACE CARRIER, PET FOUNTAIN AND FOOT WASH. COLOR TO BE 'PYRITE'	2 EA	MOST DEPENDABLE FOUNTAINS (800)225-7473	DETAIL 'D' SHEET 17
21 INSTALL MOST DEPENDABLE PET FOUNTAIN #300-SM W/ SURFACE CARRIER. COLOR TO BE 'PYRITE'	2 EA	MOST DEPENDABLE FOUNTAINS (800)225-7473	DETAIL 'D' SHEET 17
22 INSTALL MONUMENT SIGN	1 EA	QUICK CRETE PRODUCTS (951)737-6240	DETAIL 'A' SHEET 17
23 CONSTRUCT SCORE JOINT AT 10' O.C. & CENTERLINE			DETAIL 'A' SHEET 14
24 CONSTRUCT EXPANSION JOINT AT 50' O.C.		E.J.	DETAIL 'A' SHEET 14

ADDENDUM #1 REVISIONS THIS SHEET:

- REVISOR: REVISED CONCRETE COLOR TO 'YOSEMITE BROWN'. AFFECTS ITEMS 1, 2, 9, 32, 34, 35, 36.
- REVISOR: REVISED CRUSHED ROCK COLOR 'MINER'S GOLD'. AFFECTS ITEM 3.
- REVISOR: REVISED FENCE/GATE TYPE TO 'MONTAGE PLUS PPP'. AFFECTS ITEMS 10, 11.
- REVISOR: ADDED REDWOOD HEADER AT LIMITS OF DECOMPOSED GRANITE. AFFECTS ITEM 37.
- REVISOR: REVISED SHADE SAIL FABRIC TYPE & COLOR. AFFECTS ITEMS 15a, 15b, 15c.
- REVISOR: ADDED DETAIL FOR DRINKING FOUNTAINS. AFFECTS ITEMS 20 & 21.

CONSTRUCTION LEGEND (CONTINUED):

DESCRIPTION	QTY.*	SUPPLIER	DETAIL
25 PAINT CURB RED WITH TRAFFIC PAINT PER CITY SPECIFICATIONS.	131 LF		
26 KEY LARGO AVENUE CURB AND GUTTER PER OFF-SITE IMPROVEMENT PLANS, SHEETS 6-8			
27 INSTALL CUSTOM DOG PARK RULES SIGN	2 EA	DOGPOOPSIGNS.COM (800)952-1457	DETAIL 'D' SHEET 16
28 INSTALL 'SMALL DOG AREA' SIGN	1 EA	DOGPOOPSIGNS.COM (800)952-1457	DETAIL 'F' SHEET 16
29 INSTALL 'LARGE DOG AREA' SIGN	1 EA	DOGPOOPSIGNS.COM (800)952-1457	DETAIL 'G' SHEET 16
30 CONSTRUCT SPLIT-FACE BLOCK WALL TRASH ENCLOSURE	1 EA		DETAIL 'C' SHEET 17
31 LIGHTING PER ELECTRICAL PLAN			
32 CONSTRUCT CONCRETE CURB (3,250 PSI), COLOR TO BE DAVIS COLORS 'YOSEMITE BROWN' #641 WITH LT. BROOM FINISH.	658 LF		DETAIL 'D' SHEET 14
33 INSTALL ELECTROMAGNETIC GATE LOCK. LOCK TO BE MAGNALOCK (M62) WITH PRIME TIME DIGITAL TIMER (DT-7), TIME MATE TIMER (TM-9), AND RED PUSH BUTTON (PB)	2 EA	SECURITRON (800)624-5685	PER MANUF. SPECS
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35 CONSTRUCT 4" WIDE CONCRETE VALLEY GUTTER PER CITY STD. DTL. 220, COLOR TO BE DAVIS COLORS 'YOSEMITE BROWN' #641	184 LF		
36 CONSTRUCT ACCESS RAMP PER CITY STD. DTL. 502, COLOR TO BE DAVIS COLORS 'YOSEMITE BROWN' #641	3 EA		
37 INSTALL 2"x6" REDWOOD HEADER	1,247 LF		DETAIL 'B' SHEET 17

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Jan 21, 2016 11:27am Alison Rush
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IMPORTANT NOTICE
CALL BEFORE YOU DIG
SECTION 4216 OF THE GOVERNMENT CODE
REQUIRES AN INQUIRY
GENERAL INQUIRY NUMBER BE
ISSUED BEFORE A PERMIT TO
EXCAVATE WILL BE ISSUED. FOR
YOUR PRE-EXCAVATION ID NUMBER CALL
UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE ENGINEER OF THESE PLANS.
ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD PERSON PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SURVEY OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.

#	REVISIONS	DATE	APP.
1	ADDENDUM #1	1/21	



COMMUNITY WORKS DESIGN GROUP
4649 BROCKTON AVENUE RIVERSIDE, CA 92506
951-369-0700

CITY OF RANCHO MIRAGE
69825 HIGHWAY 111 RANCHO MIRAGE, CA 92270
760-770-3224

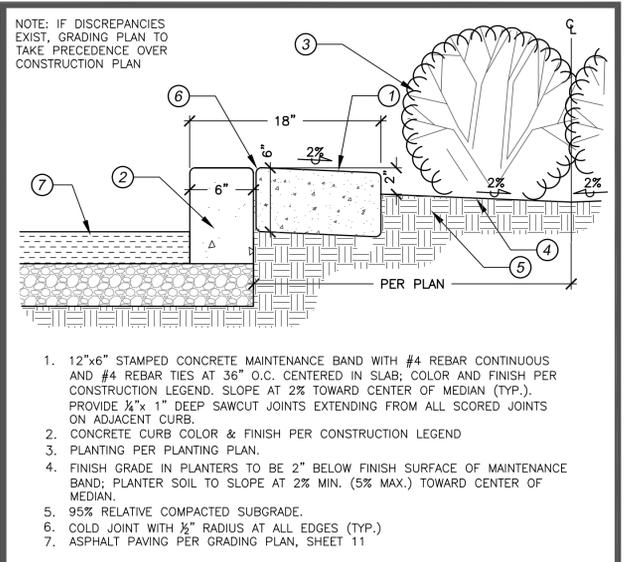
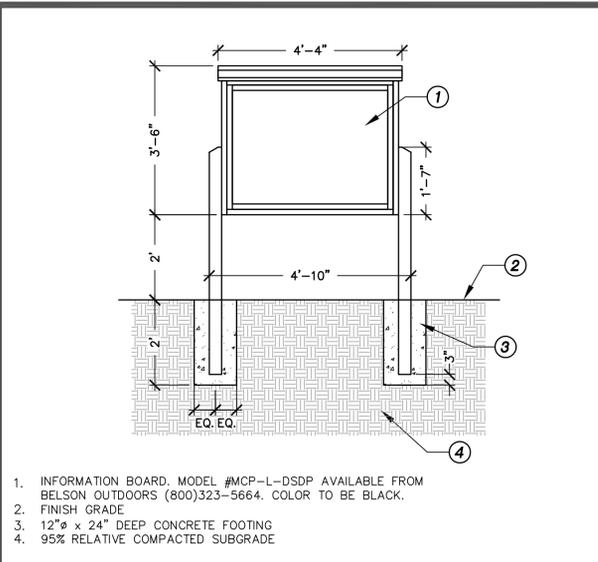
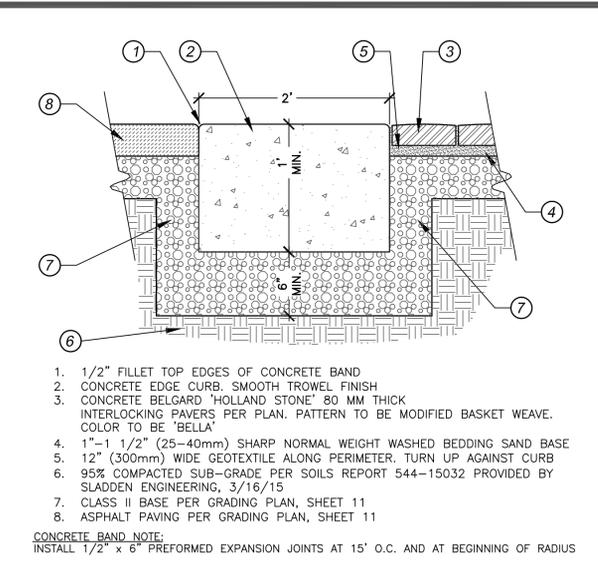
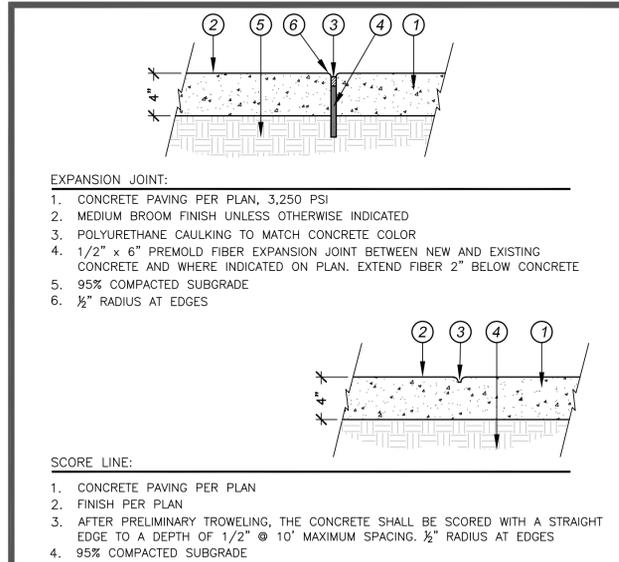
PREPARED UNDER THE DIRECT SUPERVISION OF:
TIM MALONEY, RLA 2110, EXP. 10/31/17
DATE 12/14/15

GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
BRETT S. ANDERSON, PRINCIPAL ENGINEER
R.C.E. C45389, EXP. 9/30/16
DATE 12/14/15

RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO, R.C.E. 53613, EXP. 6/30/2017
DATE 6/30/2017
APPROVED BY CITY OF RANCHO MIRAGE:
WILLIAM A. ENOS, CITY ENGINEER
DATE 6/30/2017

CITY OF RANCHO MIRAGE
CONSTRUCTION PLAN
PROJECT: RANCHO MIRAGE DOG PARK
DESCRIPTION: C.P. 14-311
SITE ADDRESS: 34-100 KEY LARGO AVENUE
LEGAL DESCRIPTION: A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

SHEET 13 OF 33
PRIVATE REFERENCE # 150109
PERMIT # E1500165

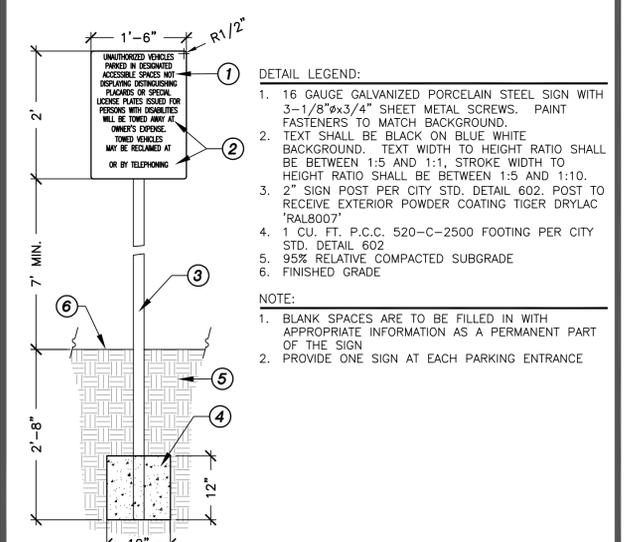
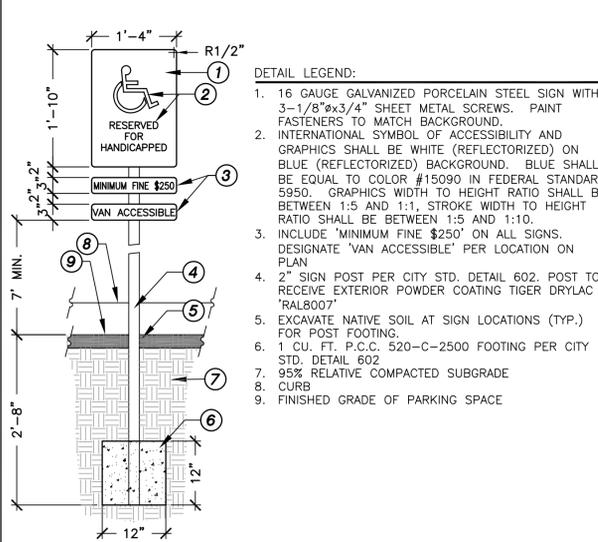
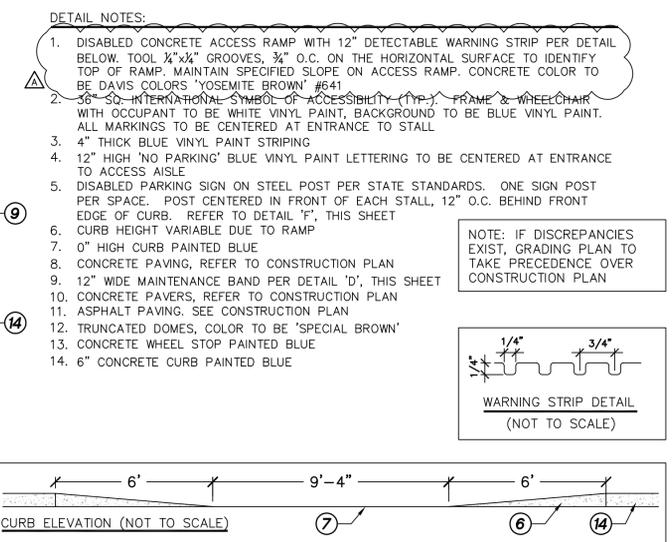
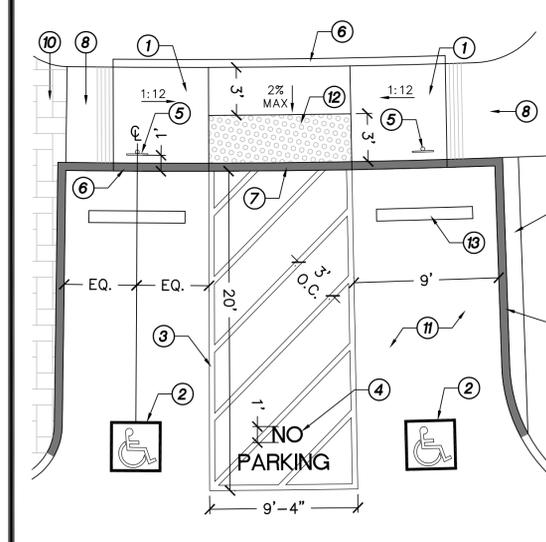


A Joints/Concrete Paving SCALE: 1.5"=1'

B Concrete Pavers SCALE: 1.5"=1'

C Information Board SCALE: 1/2"=1'

D Maintenance Band SCALE: 1.5"=1'



E ADA Parking SCALE: 3/16"=1'

F ADA Parking Sign SCALE: 3/4"=1'

G ADA Parking Entry Sign SCALE: 3/4"=1'

ADDENDUM #1 REVISIONS THIS SHEET:

REVISOR: REVISED CONCRETE COLOR TO 'YOSEMITE BROWN'. AFFECTS DETAIL 'E'.

IMPORTANT NOTICE: CALL BEFORE YOU DIG. SECTION 4216 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE ISSUED. FOR YOUR PRE-EXCAVATION ID NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG.

UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARED OF THESE PLANS.

ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.

#	REVISIONS	DATE	APP.
1	ADDENDUM #1	1/21	



COMMUNITY WORKS DESIGN GROUP
4649 BROCKTON AVENUE
951-369-0700
RIVERSIDE, CA 92506

CITY OF RANCHO MIRAGE
69825 HIGHWAY 111
RANCHO MIRAGE, CA 92270
760-770-3224

PREPARED UNDER THE DIRECT SUPERVISION OF:
TIM MALONEY, RLA 2110, EXP. 10/31/17
DATE 12/14/15

GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
BRETT S. ANDERSON, PRINCIPAL ENGINEER
R.C.E. C45389, EXP. 9/30/16
DATE 12/14/15

RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO, R.C.E. 53613, EXP. 6/30/2017
DATE 6/30/2017

APPROVED BY CITY OF RANCHO MIRAGE:
WILLIAM A. ENOS, CITY ENGINEER
R.C.E. 43910, EXP. 6/30/2017
DATE

CITY OF RANCHO MIRAGE
CONSTRUCTION DETAIL SHEET

PROJECT: RANCHO MIRAGE DOG PARK
C.P. 14-311

SITE ADDRESS: 34-100 KEY LARGO AVENUE

LEGAL DESCRIPTION: A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

SHEET 14 OF 33

PRIVATE REFERENCE # 150109

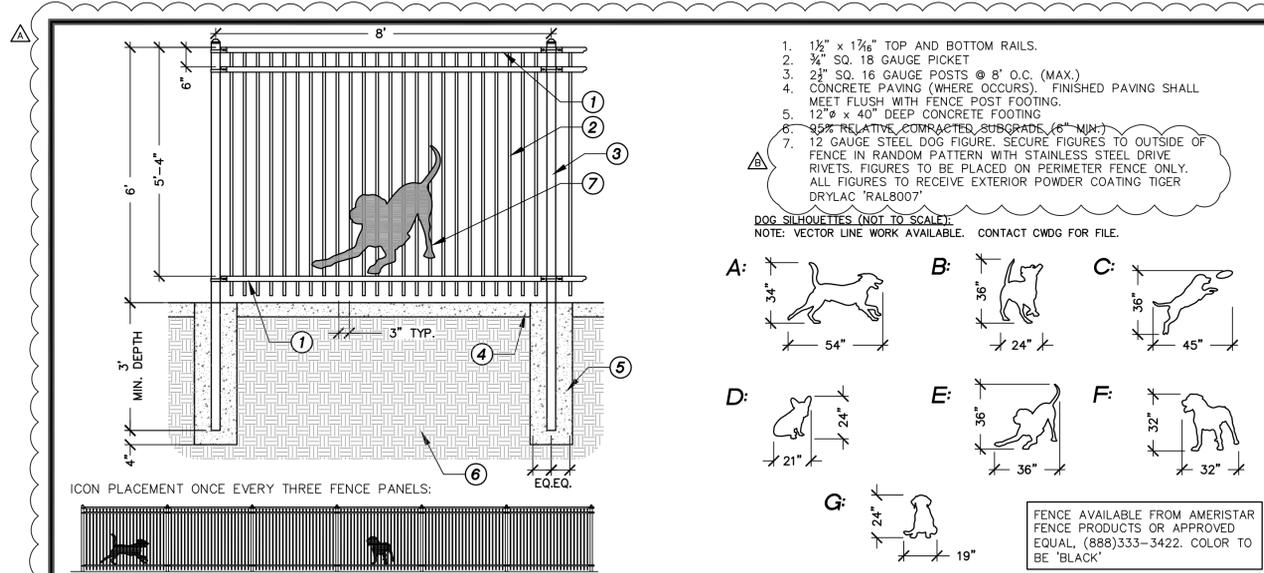
PERMIT # E1500165

These plans have been reviewed by the Coachella Valley Water District in accordance with California Government Code, Section 65591 et seq. requiring efficient landscape and irrigation design in cooperation with the local governing agency (City or County).

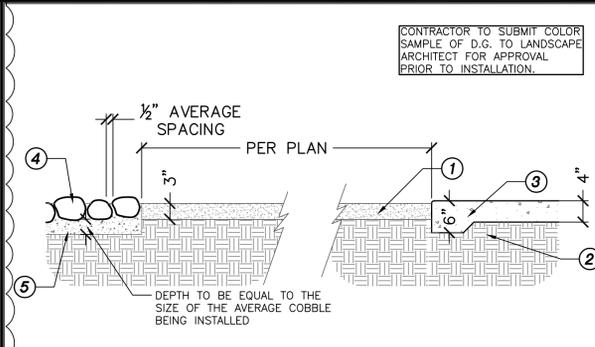
Approval of this drawing by CVWD staff does not constitute approval to encroach into district and USBR right-of-way. Trees, plants, walls and permanent structures of any kind may not be planted or installed in CVWD and USBR easements or Right-of-Way without first obtaining an encroachment permit from CVWD.

Date: _____ Water Management Department

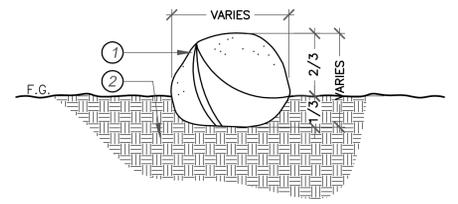
CVWD Plan #: _____ Development Services Department



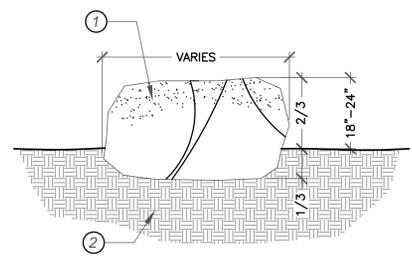
A Decorative Metal Fence SCALE: 1/2"=1'



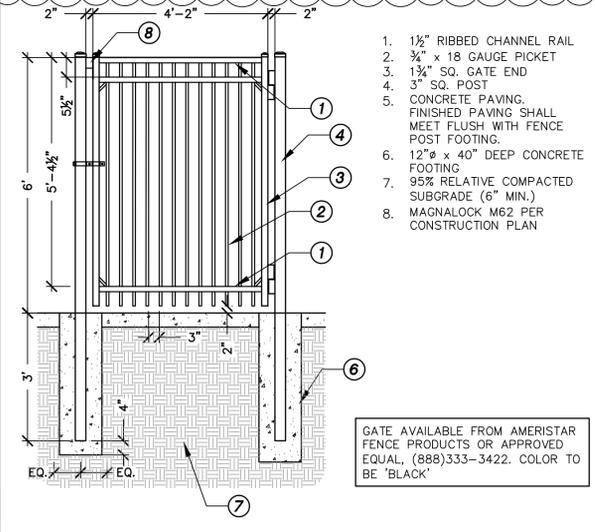
B Decomposed Granite SCALE: 3/4"=1'



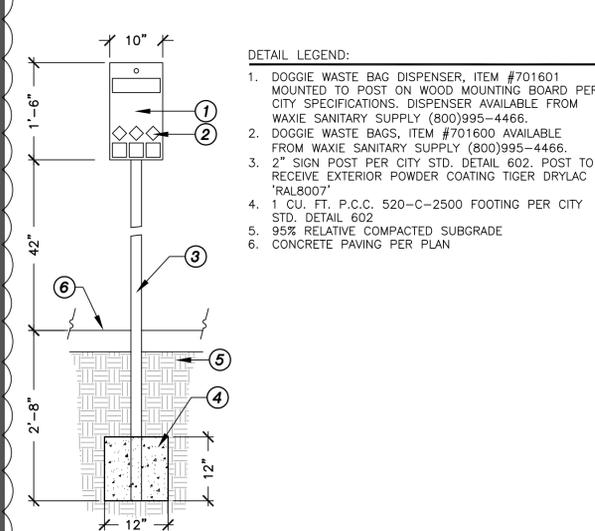
C Boulder Installation SCALE: 1"=1'-0"



D Seat Boulder Installation SCALE: 1"=1'-0"

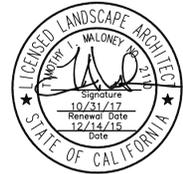


E Aluminum Gate SCALE: 1/2"=1'



F Doggie Bag Dispenser SCALE: 3/4"=1'

ADDENDUM #1 REVISIONS THIS SHEET:
 REVISOR: [Signature] DATE: 1/21/17
 1. REVISED FENCE/GATE TYPE TO 'MONTAGE PLUS PPP'. AFFECTS DETAILS 'A' & 'E'.
 2. REVISED DOG FIGURE ATTACHMENT METHOD. AFFECTS DETAIL 'A'.



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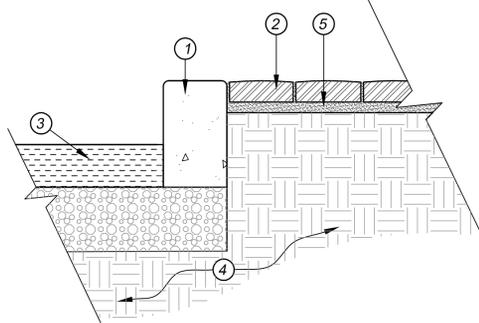
Date: _____ Water Management Department
 CVWD Plan #: _____ Development Services Department

<p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 4216 OF THE GOVERNMENT CODE REQUIRES AN INDUSTRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG.</p>	<p>UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARED OF THESE PLANS. ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.</p>	#	REVISIONS	DATE	APP.	<p>COMMUNITY WORKS DESIGN GROUP 4649 BROCKTON AVENUE RIVERSIDE, CA 92506 CITY OF RANCHO MIRAGE 69825 HIGHWAY 111 RANCHO MIRAGE, CA 92270 760-770-3224</p>	<p>PREPARED UNDER THE DIRECT SUPERVISION OF: TIM MALONEY, RLA 2110, EXP. 10/31/17 BRETT S. ANDERSON, PRINCIPAL ENGINEER R.C.E. C45389, EXP. 9/30/16</p>	<p>RECOMMENDED FOR APPROVAL BY: MARK W. SAMBITO R.C.E. 53613, EXP. 6/30/2017 WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017</p>	<p>CITY OF RANCHO MIRAGE CONSTRUCTION DETAIL SHEET PROJECT: RANCHO MIRAGE DOG PARK DESCRIPTION: C.P. 14-311 SITE ADDRESS: 34-100 KEY LARGO AVENUE LEGAL DESCRIPTION: A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011</p>	SHEET	15
		1.	ADDENDUM #1	1/21						OF	33

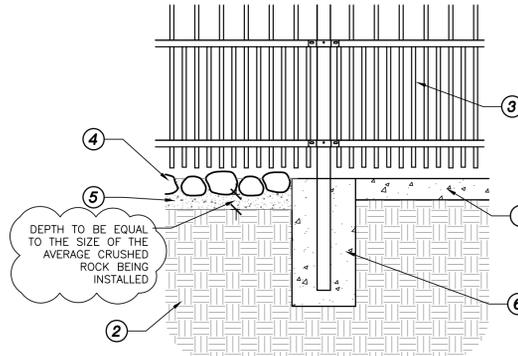


'CASCADE' 25 GALLON PRECAST CONCRETE WASTE RECEPTACLE, MODEL #QR-CE3036W-A25. COLOR TO BE 'NATURAL C1-T2*' LID COLOR TO BE 'BLACK' AVAILABLE FROM QUICK CRETE PRODUCTS CORP. (951)737-6240

*IMAGE DOES NOT REPRESENT COLOR SELECTION



- DETAIL NOTES:
1. CONCRETE CURB PER PLAN
 2. CONCRETE INTERLOCKING PAVERS PER PLAN
 3. ASPHALT PER CIVIL ENGINEER'S PLANS
 4. 95% RELATIVE COMPACTED NATIVE SOIL.
 5. 1"-1 1/2" (25-40mm) SHARP NORMAL WEIGHT WASHED BEDDING SAND BASE



- DETAIL NOTES:
1. CONCRETE PAVING (WHERE OCCURS). FINISHED PAVING SHALL MEET FLUSH WITH FENCE POST FOOTING.
 2. 95% RELATIVE COMPACTED SUBGRADE
 3. STEEL FENCE POST CONSTRUCTION PLAN
 4. 4"-8" CRUSHED ROCK SET 50% INTO MORTAR. AVERAGE SPACING BETWEEN CRUSHED ROCKS TO BE 1/2". COLOR TO BE 'MINER'S GOLD' AVAILABLE FROM SOUTHWEST BOULDER & STONE (877)792-7625. PERCENTAGE OF MATERIAL SIZES TO BE EQUAL
 5. 1,800 PSI TYPE 'S' MORTAR
 6. 12" x 24" DEEP CONCRETE FOOTING



CUSTOM 18"x24" "DOG PARK RULES SIGN", AVAILABLE FROM DOGPOOPSIGNS.COM (800)952-1457. SIGN TO BE CUSTOMIZED WITH RULES STATED ABOVE.

A Trash Receptacle

SCALE: NTS

B Donor Pavers

SCALE: 1.5"=1'

C Crushed Rock

SCALE: 3/4"=1'

D Dog Park Rules Sign

SCALE: NTS



Adenville Q1AV78B

'ADENVILLE' 78" PRECAST CONCRETE BENCH, MODEL #Q1AV78B. COLOR TO BE 'NATURAL C1-TL'. AVAILABLE FROM QUICK CRETE PRODUCTS CORP. (951)737-6240



LAWNBOSS SMALL DOG AREA SIGN, MODEL #K-0485 AVAILABLE FROM DOGPOOPSIGNS.COM (800)952-1457.



LAWNBOSS LARGE DOG AREA SIGN, MODEL #K-0484 AVAILABLE FROM DOGPOOPSIGNS.COM (800)952-1457.

E Bench

SCALE: NTS

F Small Dog Sign

SCALE: NTS

G Large Dog Sign

SCALE: NTS

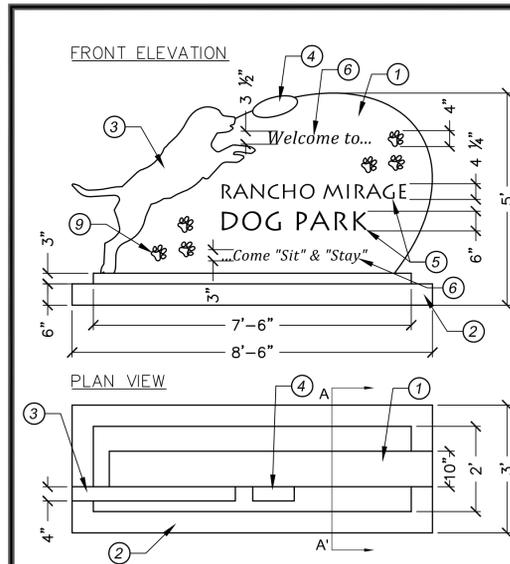
ADDENDUM #1 REVISIONS THIS SHEET:
 ▲ REVISED CRUSHED ROCK COLOR 'MINER'S GOLD'. AFFECTS DETAIL 'C'.



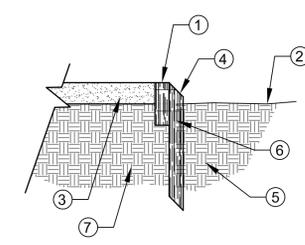
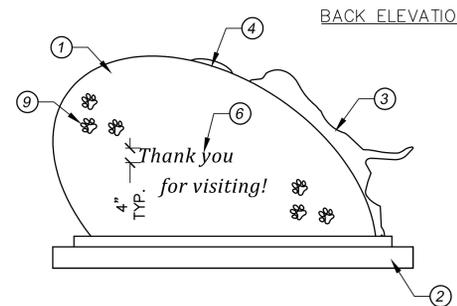
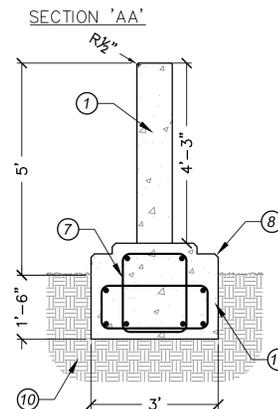
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Date _____ Water Management Department
 CVWD Plan # _____ Development Services Department

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		<p>1. ADDENDUM #1</p>	<p>1/21</p>	<p></p>					<p>OF 33</p>



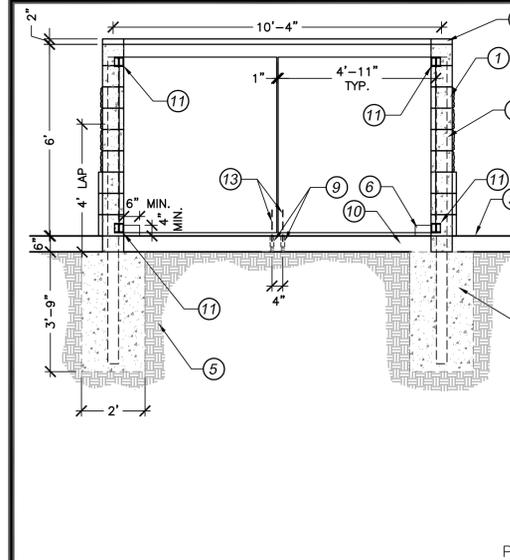
- DETAIL NOTES:**
1. PRECAST CONCRETE CUSTOM SIGN BY QUICK CRETE PRODUCTS (QCP), 951-737-6240. COLOR TO BE 'NATURAL C1-T1'
 2. PRECAST CONCRETE PEDESTAL BASE BY QCP, COLOR TO BE 'NATURAL C1-T1'
 3. PRECAST CONCRETE DOG BY QCP, EXTERIOR POWDER COATING TO BE TIGER DRYLAC 'RAL8007'
 4. PRECAST CONCRETE FRISBEE BY QCP, EXTERIOR POWDER COATING TO BE TIGER DRYLAC 'RAL8007'
 5. LETTERING WITH BEVELED EDGE, INSET 1/2". TEXT STYLE TO BE 'LITHOGRAPH LIGHT', LETTERS TO RECEIVE EXTERIOR POWDER COATING TIGER DRYLAC 'RAL8007'
 6. LETTERING WITH BEVELED EDGE, INSET 1/2". TEXT STYLE TO BE 'CAMBRIA' ITALIC, LETTERS TO RECEIVE EXTERIOR POWDER COATING TIGER DRYLAC 'RAL8007'
 7. REINFORCEMENT PER SIGN MANUFACTURER.
 8. 1" CHAMFER, ALL EDGES.
 9. 4" HIGH PAW PRINT, INSET 1/2". PAW PRINTS TO RECEIVE EXTERIOR POWDER COATING TIGER DRYLAC 'RAL8007'
 10. 95% RELATIVE COMPACTED SUBGRADE
 11. CONCRETE (2,500 PSI MIN.) FOOTING



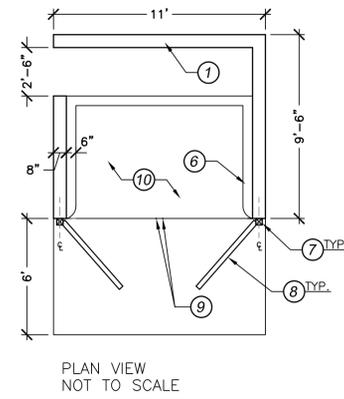
- NOTES:**
1. 2x6 REDWOOD LAMINATE
 2. FINISH GRADE (TYP.)
 3. STABILIZED DECOMPOSED GRANITE IN PLANTED AREAS. COLOR PER PLANTING PLAN
 4. 45 DEGREE BEVELED EDGE
 5. UNDISTURBED NATIVE SOIL
 6. 2x4x18 REDWOOD STAKES - POINTED, LOCATE AT ALL SPLICES, CORNERS & AT 5' INTERVALS MAX.
 7. 95% COMPACTED SUBGRADE
- ALL WOOD TO BE CONSTRUCTION GRADE REDWOOD HEADER STOCK TO BE IN LENGTHS OF 10' MIN. NAIL HEADERS TO STAKES WITH (2) GALVANIZED NAILS, USE SPLICE PLATES (1"x4"x24") AT ALL BUTT JOINTS, CENTERED ON THE JOINT & NAILED TO EACH HEADER WITH (4) 10D GALVANIZED NAILS. CONTRACTOR TO SUBMIT COLOR SAMPLE OF D.G. FOR APPROVAL PRIOR TO INSTALLATION

A Monument Sign

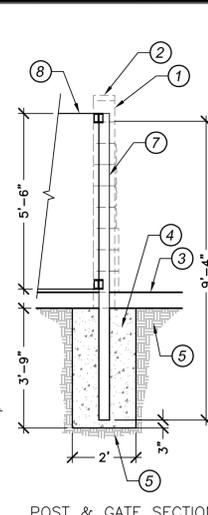
SCALE: 1/2"=1'



PLAN VIEW FOOTING DETAIL



PLAN VIEW NOT TO SCALE



POST & GATE SECTION

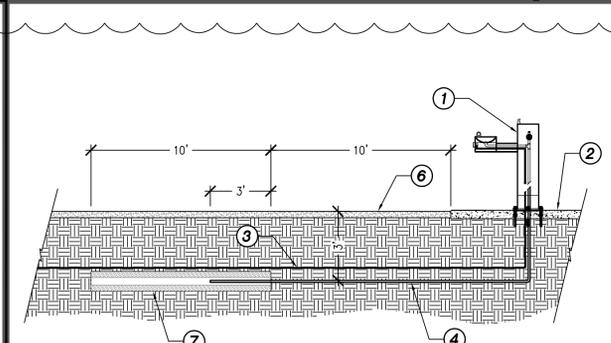
1. 8"x8"x16" SPLIT-FACE (ONE SIDE, EXTERIOR) BLOCK BY ORCO BLOCK (760)347-4000, COLOR TO BE 'WHEAT'. GROUT SOLID ALL CELLS.
 2. 2"x8"x16" CONCRETE WALL CAP BY ORCO BLOCK. COLOR TO BE 'WHEAT'
 3. FINISH SURFACE PER PLAN
 4. CONCRETE (2,500 PSI MIN.) FOOTING
 5. COMPACTED SUBGRADE PER SOILS REPORT
 6. CONCRETE WHEEL STOPS. DIM. AS REQ'D TO KEEP DUMPSTER FROM HITTING CMU WALL
 7. (4) 4x4 CONCRETE FILLED STEEL POSTS
 8. 5'-6" HIGH GALV. 1"x18 GA. BOX RIB STEEL GATES
 9. 1" GALVANIZED STEEL SLEEVE FOR DROP PIN WITH 3/4" GRAVEL BASE FOR DRAINAGE
 10. 6" SLAB W/ #3 REBAR @16" O.C. EACH WAY
 11. FLAT-MOUNT, WELD-ON GORILLA HINGE RATED TO 1000 POUNDS FOR TWO HINGES (2 PER GATE)
 12. GALVANIZED DROP-PIN (MOUNT DROP PIN ON EXTERIOR OF GATE)
 13. #4 HORIZONTAL REBAR (GRADE 60) AT 24" O.C.
 14. #4 HORIZONTAL BOND BEAM REBAR (GRADE 60) AT 24" O.C.
 15. #4 REBAR (GRADE 60) TIES INTO CONCRETE FOOTING
 16. #4 HORIZONTAL REBAR (GRADE 60) IN CONCRETE FOOTING
- GENERAL NOTES:**
- ALL MORTAR JOINTS TO BE TOOLED CONCAVE UNLESS SPECIFIED
 - CEMENT PER ASTM C150, 1 PART PORTLAND CEMENT, 2 TO 3 PARTS LOOSE SAND, 2 PARTS COARSE AGGREGATE
 - REINFORCING: FS= 20,000 psi, ASTM A615 GRADE 40, SPACE ALL BARS 3" CLEAR FROM EDGES TYP.
 - MASONRY: FM= 1500 psi GRADE "A" PER ASTM C-90
 - CONCRETE: FC= 3000 psi @ 28 DAYS PER ASTM C-90
 - GROUT ALL CELLS SOLID
 - ALL GATE BOLTS AND HINGES SHALL BE GALVANIZED
 - COLOR AND FINISH: ALL EXTERIOR SURFACES SHALL BE CLEANED WITH 'OAKITE' OR EQUAL PRIOR TO PRIMING. ALL EXTERIOR COMPONENTS SHALL BE PRIMED WITH ONE COAT OF RUST-INHIBITING ZINC PRIMER. ALL EXTERIOR COMPONENTS SHALL BE PAINTED WITH TWO COATS OF ACRYLIC ENAMEL; COLOR TO BE SHERWIN WILLIAMS SW 6083 'SABLE'

C Block Wall Trash Enclosure

SCALE: 3/8"=1'

B Redwood Header

SCALE: 1"=1'



1. DRINKING FOUNTAIN PER PLAN
2. CONCRETE PAVING PER PLAN
3. WATER CONNECTION PER GRADING PLAN
4. 1/2" PVC DRAINPIPE TO EXTEND 10' MIN. BEYOND HARDSCAPE
5. 95% COMPACTED SUBGRADE
6. STABILIZED DECOMPOSED GRANITE PER PLAN
7. 7" EZFLOW FRENCH DRAIN, AVAILABLE FROM NDS (888)234-5450

C Block Wall Trash Enclosure

D Fountain Drainage

SCALE: NTS

ADDENDUM #1 REVISIONS THIS SHEET:

- ▲ ADDED REDWOOD HEADER, AFFECTS DETAIL 'B'.
- ▲ ADDED FOUNTAIN DRAINAGE DETAIL, AFFECTS DETAIL 'D'.



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1.	ADDENDUM #1	1/21	

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951-369-0700
RIVERSIDE, CA
92506

CITY OF RANCHO MIRAGE
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RANCHO MIRAGE, CA 92270
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GEO TECHNICAL CERTIFICATION, IF REQUIRED, BY:
BRETT S. ANDERSON, PRINCIPAL ENGINEER
R.C.E. C45389, EXP. 9/30/16
DATE 12/14/15

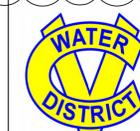
RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO
R.C.E. 53613, EXP. 6/30/2017
DATE
APPROVED BY CITY OF RANCHO MIRAGE:

WILLIAM A. ENOS, CITY ENGINEER
R.C.E. 43910, EXP. 6/30/2017
DATE

CITY OF RANCHO MIRAGE
CONSTRUCTION DETAIL SHEET

PROJECT: RANCHO MIRAGE DOG PARK
DESCRIPTION: C.P. 14-311
SITE ADDRESS: 34-100 KEY LARGO AVENUE
LEGAL DESCRIPTION: A PORTION OF THE NE QUARTER OF
SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

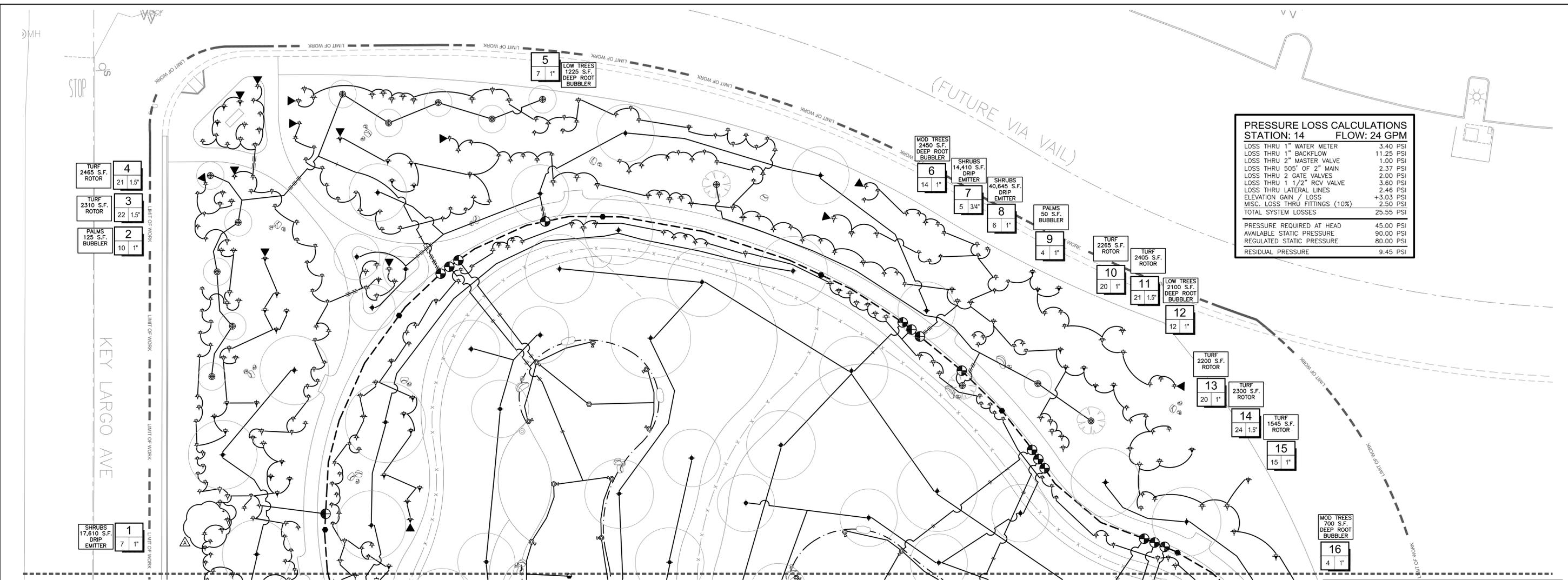
SHEET 17 OF 33
PRIVATE REFERENCE # 150109
PERMIT # E1500165



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Date _____ Water Management Department
CVWD Plan # _____ Development Services Department



PRESSURE LOSS CALCULATIONS
STATION: 14 FLOW: 24 GPM

LOSS THRU 1" WATER METER	3.40 PSI
LOSS THRU 1" BACKFLOW	11.25 PSI
LOSS THRU 2" MASTER VALVE	1.00 PSI
LOSS THRU 50' OF 2" MAIN	2.37 PSI
LOSS THRU 2 GATE VALVES	2.00 PSI
LOSS THRU 1 1/2" RCV VALVE	3.60 PSI
LOSS THRU LATERAL LINES	2.46 PSI
ELEVATION GAIN / LOSS	+3.03 PSI
MISC. LOSS THRU FITTINGS (10%)	2.50 PSI
TOTAL SYSTEM LOSSES	25.55 PSI
PRESSURE REQUIRED AT HEAD	45.00 PSI
AVAILABLE STATIC PRESSURE	90.00 PSI
REGULATED STATIC PRESSURE	80.00 PSI
RESIDUAL PRESSURE	9.45 PSI

MATCHLINE, SEE SHEET 19

EQUIPMENT LEGEND

SYMBOL	MANUFACTURER/MODEL #	SIZE	DETAIL	NOTES
M	IRRIGATION WATER METER INSTALLED BY CVWD	1"	N/A	BY CVWD
C	RAINBIRD ESP24LXMEF IRRIGATION CONTROLLER EQUIPPED WITH AN RSD RAIN SENSOR, IONCC NETWORK COMMUNICATION CARTRIDGE AND ET MANAGER MOUNTED IN A STRONG BOX SB-24SS PEDESTAL MOUNT ENCLOSURE WITH EXTERNAL ANTENNA	24 STA.	'A', SH. 20	(1)
FB	FEBCO B25Y REDUCED PRESSURE BACKFLOW PREVENTER LOCATED IN A STRONG BOX SBBC-30SS VANDAL RESISTANT ENCLOSURE INSTALLED BY CVWD	1"	'B', SH. 20	BY CVWD
F	TURF FEEDING SYSTEMS MODEL F500A FERTIGATION SYSTEM WITH 30 GALLON TANK	30 GAL	MG'S SPECS	(1)
+	RAINBIRD PEB MODEL NORMALLY CLOSED MASTER VALVE EQUIPPED WITH PRD-D DIAL. OUTPUT PRESSURE TO BE SET TO 80 PSI AND ADJUSTED IN THE FIELD	2"	'C', SH. 20	(2)
⊙	RAINBIRD FS-100B FLOW METER	1"	'D', SH. 20	(2)
⊙	NIBCO T-585 BRONZE BALL VALVE	2"	'E', SH. 20	(2)
⊙	RAINBIRD #33DLRC SERIES QUICK COUPLING VALVE	3/4"	'F', SH. 20	(2)
⊙	RAINBIRD PEB SERIES ELECTRIC CONTROL VALVE WITH PRS-D DIAL	1"	'G', SH. 20	(2)
⊙	RAINBIRD DRIP CONTROL ZONE ASSEMBLY - 1" = XCZ-100-PRB-COM; 3/4" = XCZ-075-PRF	PLAN SIZE	'H', SH. 20 'A', SH. 21	(2)
⊙	SALCO SLV-AFV-075L AUTOMATIC FLUSH VALVE	3/4"	'B', SH. 21	(2)
---	SCH. 40 NON-POTABLE PURPLE PVC IRRIGATION MAINLINE - 24" MIN. COVER	2"	'C', SH. 21	(2)
---	CLASS 200 NON-POTABLE PURPLE PVC NON-PRESSURE LATERAL LINE - 12" MIN. COVER	PLAN SIZE	'C', SH. 21	(2)
----	SCH 40 PVC IRRIGATION PIPE / WIRE SLEEVE - 24" MIN. COVER	SEE CHART	'D', SH. 21	-
---	NOT SHOWN	UF RATED CONTROL WIRE, 12 GA COMMON, 14 GA PILOT	12/14 GA	'E', SH. 21
⊙	SPARE WIRES PULLED	-	'F', SH. 21	-

(1) LANDSCAPE CONTRACTOR TO COORDINATE ELECTRICAL POWER W/ ELECTRICAL PLAN
(2) ALL PIPING AND VALVES TO BE EQUIPPED WITH NON-POTABLE WATER MARKINGS AND ACCESSORIES

DRIP EMITTER LEGEND

SYMBOL	MANUFACTURER/MODEL #	NOZZLE	PSI	FLOW (GPM)							DETAIL	NOTES	
				Q	T	H	TT	TQ	F	V _{an}			
⊙	SALCO SLV-PSTR-CV-05	F	30					0.50				'A', SH.22	(1,2,5)
⊙	SALCO SLV-PSTR-CV-1	F	30					1.00				'A', SH.22	(1,2,5)
⊙	SALCO SLV-PSTR-CV-2	F	30					2.00				'A', SH.22	(1,2,5)
⊙	SALCO SLV-PSTR-CV-4	F	30					4.00				'A', SH.22	(1,2,5)
⊙	RAINBIRD RWS-B-C-1401 WITH RWS-GRATE-P	F	30					0.25			'G', SH.21	(3,4)	
⊙	RAINBIRD 1401 SERIES BUBBLER	F	30					0.25			'H', SH.21	(3,4)	

(1) FLOW IS IN GALLONS PER HOUR
(2) SEE DRIP NOTE FOR EMITTER ASSIGNMENTS
(3) FLOW IS IN GALLONS PER MINUTE
(4) EACH TREE OR PALM TO RECEIVE TWO BUBBLERS FOR A TOTAL OF 0.5 GPM PER SYMBOL
(5) EACH SHRUB TO RECEIVE TWO DRIP EMITTERS PER SYMBOL

SPRINKLER LEGEND

SYMBOL	MANUFACTURER/MODEL #	NOZZLE	RAD.	PSI	FLOW (GPM)							PRECIP RATE	DETAIL	NOTES
					Q	T	H	TT	TQ	F	V _{an}			
⊙	RAINBIRD 5006+PCSR-MPR25	H	25'	45				1.98				0.59	'B', SH. 22	
⊙	RAINBIRD 5006+FCSR-MPR25	F	25'	45							3.82	0.59	'B', SH. 22	
⊙	RAINBIRD 5006+PCSR-MPR30	H	30'	45				2.96				0.62	'B', SH. 22	
⊙	RAINBIRD 5006+FCSR-MPR30	F	30'	45							5.78	0.62	'B', SH. 22	
⊙	RAINBIRD 5006+PCSR-MPR35	H	35'	45				3.81				0.60	'B', SH. 22	
⊙	RAINBIRD 5006+FCSR-MPR35	F	35'	45							7.58	0.60	'B', SH. 22	

PIPE SIZING CHART

3/4" PIPE
1" PIPE
1 1/4" PIPE
1 1/2" PIPE
2" PIPE
2 1/2" PIPE
3" PIPE
4" PIPE
6" PIPE
8" PIPE

STATION # / CONTROLLER

FLOW (GPM)	VALVE SIZE
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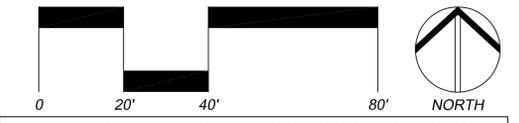
SCH 40 PVC SLEEVING CHART

1 1/4" SLEEVE	1-4 WIRES	1/2" PIPE
1 1/2" SLEEVE	5-10 WIRES	3/4" PIPE
2" SLEEVE	11-20 WIRES	1" PIPE
2 1/2" SLEEVE	21-30 WIRES	1 1/4" PIPE
3" SLEEVE	31-40 WIRES	1 1/2" PIPE
4" SLEEVE	41-60 WIRES	2" PIPE
6" SLEEVE	61-99 WIRES	2 1/2"-3" PIPE
8" SLEEVE	100+ WIRES	4" PIPE
10" SLEEVE	N/A	6" PIPE

NO PERMANENT STRUCTURES OR TREES WITHIN CVWD AND/OR USBR EASEMENTS. CVWD WILL NOT BE RESPONSIBLE FOR DAMAGE OR REPLACEMENT OF ANY SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, DECORATIVE CONCRETE, LANDSCAPING, CURB, GUTTER, SIDEWALKS, PLANTERS, GATES AND RELATED IMPROVEMENTS INSTALLED WITHIN CVWD AND/OR USBR EASEMENTS.

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND HAVE APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

[Signature] 12/14/15



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Date _____ Water Management Department
CVWD Plan # _____ Development Services Department

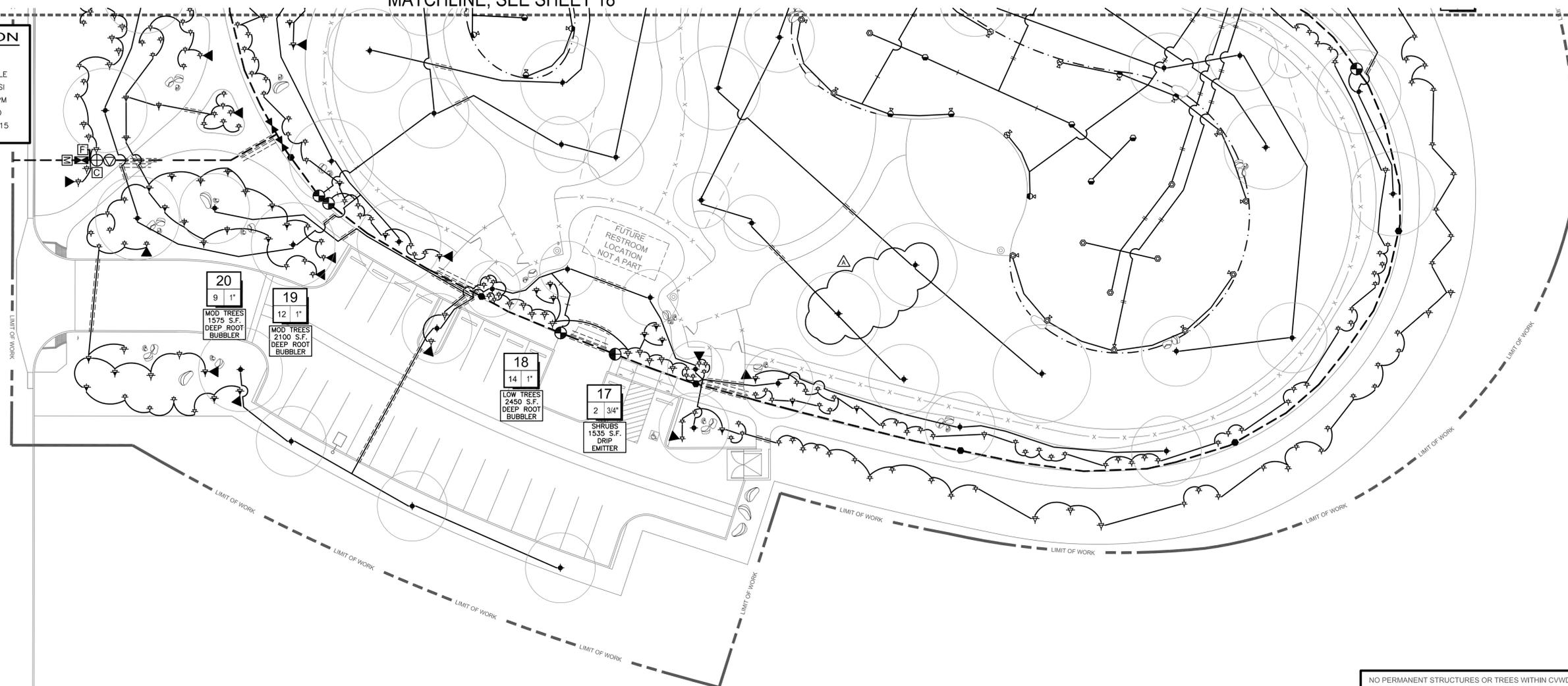
<p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 4216 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE ISSUED. FOR YOUR PROTECTION, WE ADVISE YOU TO CALL BEFORE YOU DIG. UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG.</p>	<p>UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE MADE BY THE ENGINEER OR HIS DESIGNATED REPRESENTATIVE. THE USER OF THESE PLANS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO, THESE LINES OR STRUCTURES.</p>	<p># REVISIONS</p> <p>1. ADDENDUM #1</p>	<p>DATE</p> <p>1/21</p>	<p>APP.</p>	<p>COMMUNITY WORKS DESIGN GROUP</p> <p>4649 BROCKTON AVENUE 951-369-0700</p> <p>RIVERSIDE, CA 92506</p>	<p>PREPARED UNDER THE DIRECT SUPERVISION OF:</p> <p><i>[Signature]</i> 12/14/15 DATE</p> <p>TIM MALONEY, RLA 2110, EXP. 10/31/17</p> <p>GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:</p> <p><i>[Signature]</i> 12/14/15 DATE</p> <p>BRETT S. ANDERSON, PRINCIPAL ENGINEER R.C.E. C43389, EXP. 9/30/16</p>	<p>RECOMMENDED FOR APPROVAL BY:</p> <p>MARK W. SAMBITO R.C.E. 53613, EXP. 6/30/2017</p> <p>APPROVED BY CITY OF RANCHO MIRAGE:</p> <p>WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017</p>	<p>CITY OF RANCHO MIRAGE</p> <p>IRRIGATION PLAN</p> <p>PROJECT RANCHO MIRAGE DOG PARK DESCRIPTION C.P. 14-311</p> <p>SITE ADDRESS 34-100 KEY LARGO AVENUE</p> <p>LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011</p>	<p>SHEET 18 OF 33</p> <p>PRIVATE REFERENCE # 150109</p> <p>PERMIT # E1500165</p>
		<p>Jan 21, 2016 - 8:10am Allison Rush F:\Rancho Mirage Dog Park\CD's\Irrigation.dwg</p>							

MATCHLINE, SEE SHEET 18

P.O.C. INFORMATION

METER SIZE 1"
 WATER TYPE POTABLE
 STATIC PRESSURE 90 PSI
 PEAK DEMAND 24 GPM
 SOURCE AT CVWD DAVID
 DATE INFO OBTAINED 3/26/15

ARGO AVE



EQUIPMENT LEGEND

SYMBOL	MANUFACTURER/MODEL #	SIZE	DETAIL	NOTES
M	IRRIGATION WATER METER INSTALLED BY CVWD	1"	N/A	BY CVWD
C	RAINBIRD ESP24LXMEF IRRIGATION CONTROLLER EQUIPPED WITH AN RSD RAIN SENSOR, IQNCC NETWORK COMMUNICATION CARTRIDGE AND ET MANAGER MOUNTED IN A STRONG BOX SB-24SS FEDESTAL MOUNT ENCLOSURE WITH EXTERNAL ANTENNA	24 STA.	'A', SH. 20	(1)
F	FEBCO 825Y REDUCED PRESSURE BACKFLOW PREVENTER LOCATED IN A STRONG BOX SBBO-30SS VANDAL RESISTANT ENCLOSURE INSTALLED BY CVWD	1"	'B', SH. 20	BY CVWD
F	TURF FEEDING SYSTEMS MODEL F500A FERTIGATION SYSTEM WITH 30 GALLON TANK	30 GAL	MFG'S SPECS	(1)
+	RAINBIRD PEB MODEL NORMALLY CLOSED MASTER VALVE EQUIPPED WITH PRD-D DIAL. OUTPUT PRESSURE TO BE SET TO 80 PSI AND ADJUSTED IN THE FIELD	2"	'C', SH. 20	(2)
+	RAINBIRD FS-100B FLOW METER	1"	'D', SH. 20	(2)
+	NIBCO T-585 BRONZE BALL VALVE	2"	'E', SH. 20	(2)
+	RAINBIRD #33DLRC SERIES QUICK COUPLING VALVE	3/4"	'F', SH. 20	(2)
+	RAINBIRD PEB SERIES ELECTRIC CONTROL VALVE WITH PRS-D DIAL	1"	'G', SH. 20	(2)
+	RAINBIRD DRIP CONTROL ZONE ASSEMBLY - 1" = XCZ-100-PRB-COM; 3/4" = XCZ-075-PRF	PLAN SIZE	'H', SH. 20 'A', SH. 21	(2)
+	SALCO SLV-AFV-075L AUTOMATIC FLUSH VALVE	3/4"	'B', SH. 21	(2)
---	SCH. 40 NON-POTABLE PURPLE PVC IRRIGATION MAINLINE - 24" MIN. COVER	2"	'C', SH. 21	(2)
---	CLASS 200 NON-POTABLE PURPLE PVC NON-PRESSURE LATERAL LINE - 12" MIN. COVER	PLAN SIZE	'C', SH. 21	(2)
=====	SCH 40 PVC IRRIGATION PIPE / WIRE SLEEVE - 24" MIN. COVER	SEE CHART	'D', SH. 21	-
---	NOT SHOWN	UF RATED CONTROL WIRE, 12 GA COMMON, 14 GA PILOT	12/14 GA	'E', SH. 21
---	---	---	'F', SH. 21	-

- (1) LANDSCAPE CONTRACTOR TO COORDINATE ELECTRICAL POWER W/ ELECTRICAL PLAN
- (2) ALL PIPING AND VALVES TO BE EQUIPPED WITH NON-POTABLE WATER MARKINGS AND ACCESSORIES

DRIP EMITTER LEGEND

SYMBOL	MANUFACTURER/MODEL #	NOZZLE	PSI	FLOW (GPH)						DETAIL	NOTES
				Q	T	H	TT	TQ	F		
EMITTERS/ BUBBLERS											
+	SALCO SLV-PSTR-CV-05	F	30					0.59	'A', SH.22	(1,2,3)	
+	SALCO SLV-PSTR-CV-1	F	30					1.00	'A', SH.22	(1,2,3)	
+	SALCO SLV-PSTR-CV-2	F	30					2.00	'A', SH.22	(1,2,3)	
+	SALCO SLV-PSTR-CV-4	F	30					4.00	'A', SH.22	(1,2,3)	
+	RAINBIRD RWS-B-C-1401 WITH RWS-GRATE-P	F	30					0.25	'G', SH.21	(3,4)	
+	RAINBIRD 1401 SERIES BUBBLER	F	30					0.25	'H', SH.21	(3,4)	

- (1) FLOW IS IN GALLONS PER HOUR
- (2) SEE DRIP NOTE FOR EMITTER ASSIGNMENTS
- (3) FLOW IS IN GALLONS PER MINUTE
- (4) EACH TREE OR PALM TO RECEIVE TWO BUBBLERS FOR A TOTAL OF 0.5 GPM PER SYMBOL
- (5) EACH SHRUB TO RECEIVE TWO DRIP EMITTERS PER SYMBOL

SPRINKLER LEGEND

SYMBOL	MANUFACTURER/MODEL #	NOZZLE	RAD.	PSI	FLOW (GPM)						PRECIP RATE	DETAIL	NOTES	
					Q	T	H	TT	TQ	F				
TURF POP-UP ROTOR HEADS														
+	RAINBIRD 5006+PCSR-MPR25	H	25'	45					1.98			0.59	'B', SH. 22	
+	RAINBIRD 5006+FCSR-MPR25	F	25'	45								3.82	0.59	'B', SH. 22
+	RAINBIRD 5006+PCSR-MPR30	H	30'	45					2.96				0.62	'B', SH. 22
+	RAINBIRD 5006+FCSR-MPR30	F	30'	45								5.78	0.62	'B', SH. 22
+	RAINBIRD 5006+PCSR-MPR35	H	35'	45					3.81				0.60	'B', SH. 22
+	RAINBIRD 5006+FCSR-MPR35	F	35'	45								7.58	0.60	'B', SH. 22

- ADDENDUM #1 REVISIONS THIS SHEET:
- REMOVED LATERAL LINE CONNECTION.

PIPE SIZING CHART

---	3/4" PIPE
---	1" PIPE
---	1 1/4" PIPE
---	1 1/2" PIPE
---	2" PIPE
---	2 1/2" PIPE
---	3" PIPE
---	4" PIPE
---	6" PIPE
---	8" PIPE

STATION # / CONTROLLER

FLOW (GPM)	VALVE SIZE
---	---

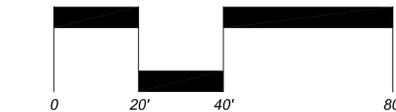
SCH 40 PVC SLEEVING CHART

1 1/4" SLEEVE	1-4 WIRES	1/2" PIPE
1 1/2" SLEEVE	5-10 WIRES	3/4" PIPE
2" SLEEVE	11-20 WIRES	1" PIPE
2 1/2" SLEEVE	21-30 WIRES	1 1/4" PIPE
3" SLEEVE	31-40 WIRES	1 1/2" PIPE
4" SLEEVE	41-60 WIRES	2" PIPE
6" SLEEVE	61-99 WIRES	2 1/2"-3" PIPE
8" SLEEVE	100+ WIRES	4" PIPE
10" SLEEVE	N/A	6" PIPE

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I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND HAVE APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

[Signature] 12/14/15



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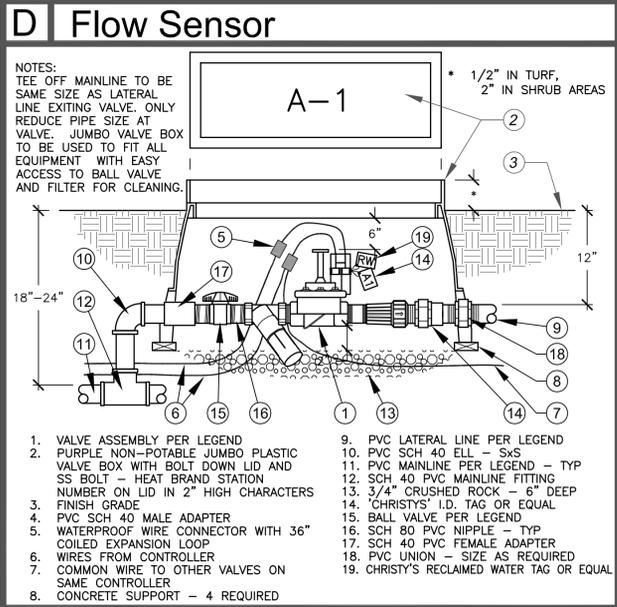
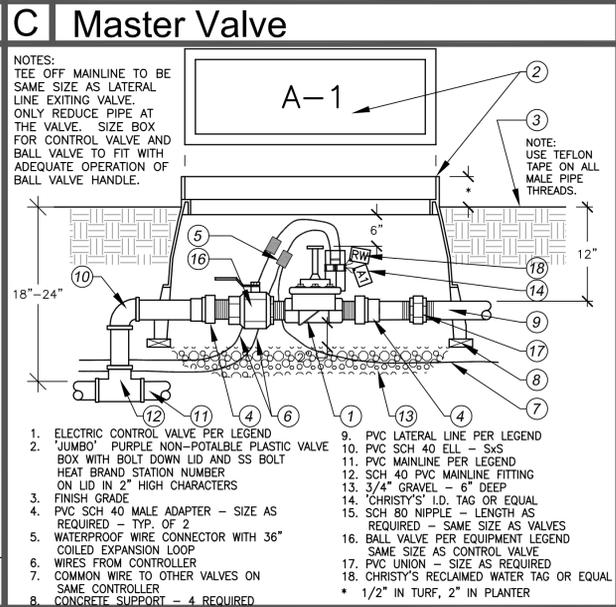
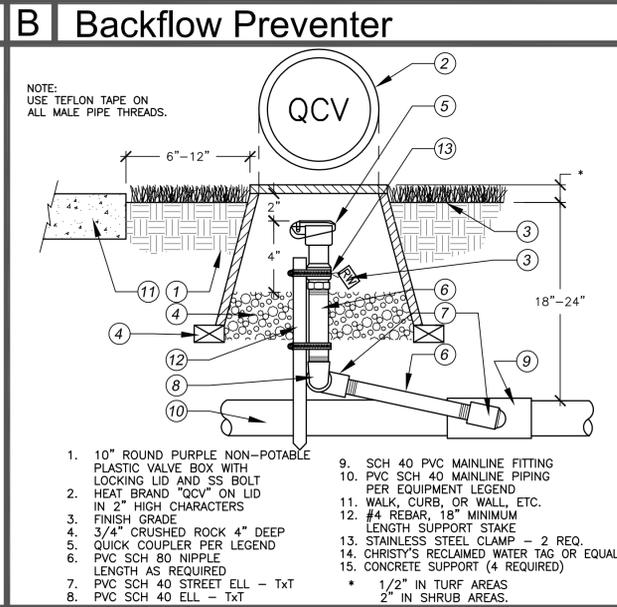
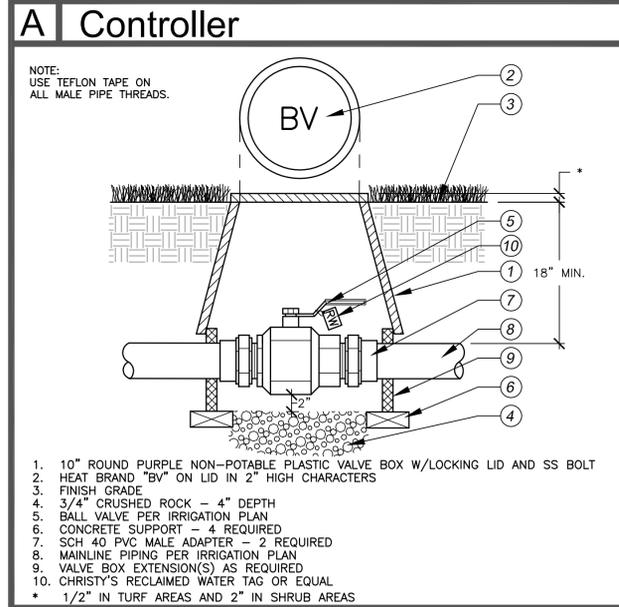
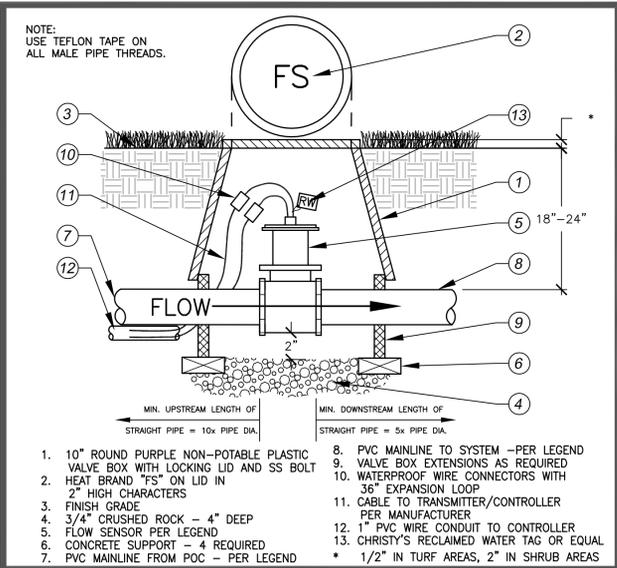
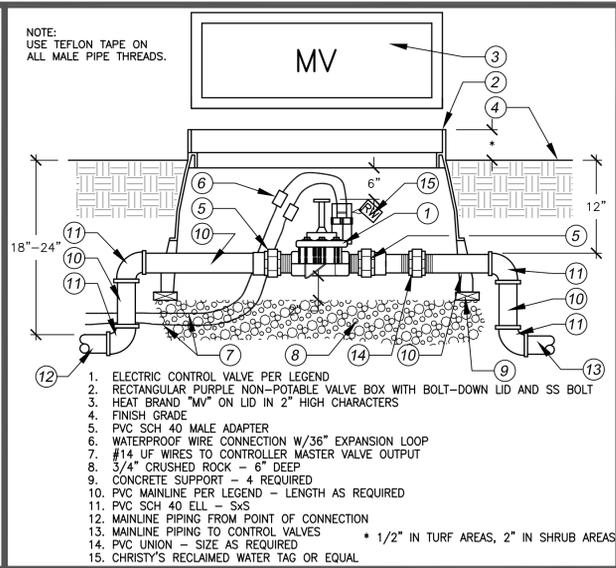
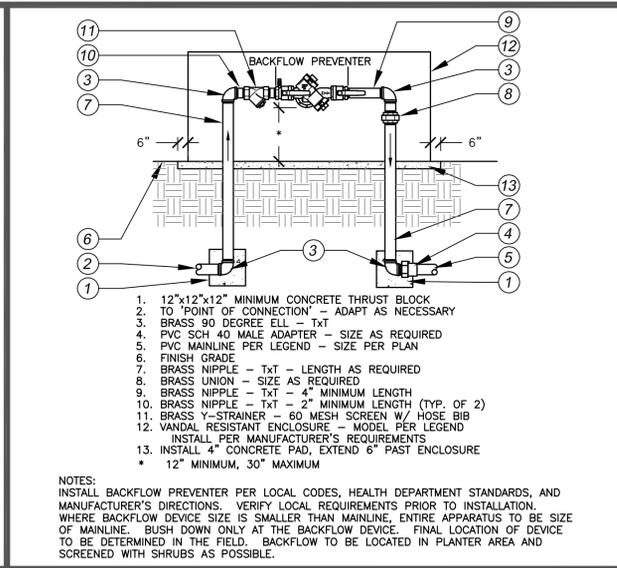
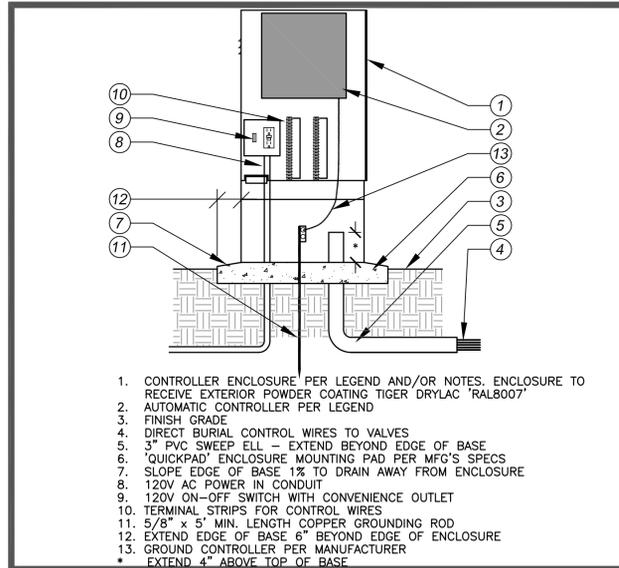
Date _____ Water Management Department

CVWD Plan # _____ Development Services Department



<p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 4216 OF THE GOVERNMENT CODE REVISIONS BY HISTORY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE INUED. FOR YOUR PRE-EXCAVATION ID, NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARED BY THESE PLANS. ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.</p>	<p># REVISIONS DATE APP.</p> <p>1. ADDENDUM #1 1/21</p>	<p>COMMUNITY WORKS DESIGN GROUP 4649 BROCKTON AVENUE RIVERSIDE, CA 92506 951-369-0700</p> <p>CITY OF RANCHO MIRAGE 69825 HIGHWAY 111 RANCHO MIRAGE, CA 92270 760-770-3224</p>	<p>PREPARED UNDER THE DIRECT SUPERVISION OF: <i>[Signature]</i> TIM MALONEY, RLA 2110, EXP. 10/31/17 DATE 12/14/15 GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY: <i>[Signature]</i> BRETT S. ANDERSON, PRINCIPAL ENGINEER R.C.E. C43389, EXP. 9/30/16 DATE 12/14/15</p>	<p>RECOMMENDED FOR APPROVAL BY: MARK W. SAMBITO DATE 6/30/2017 R.C.E. 53613, EXP. 6/30/2017 APPROVED BY CITY OF RANCHO MIRAGE: WILLIAM A. ENOS, CITY ENGINEER DATE 6/30/2017 R.C.E. 43910, EXP. 6/30/2017</p>	<p>CITY OF RANCHO MIRAGE IRRIGATION PLAN PROJECT RANCHO MIRAGE DOG PARK DESCRIPTION C.P. 14-311 SITE ADDRESS 34-100 KEY LARGO AVENUE LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011</p>	<p>SHEET 19 OF 33 PRIVATE REFERENCE # 150109 PERMIT # E1500165</p>
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A Controller

B Backflow Preventer

C Master Valve

D Flow Sensor

E Ball Valve

F Quick Coupler Valve

G Remote Control Valve

H Drip Control Valve Assembly



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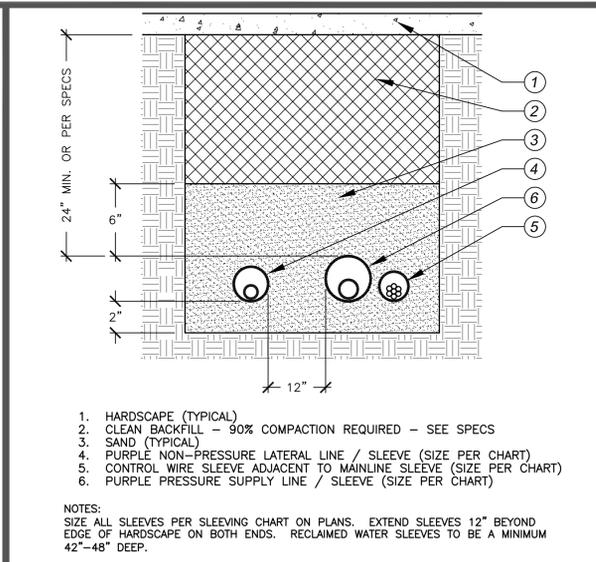
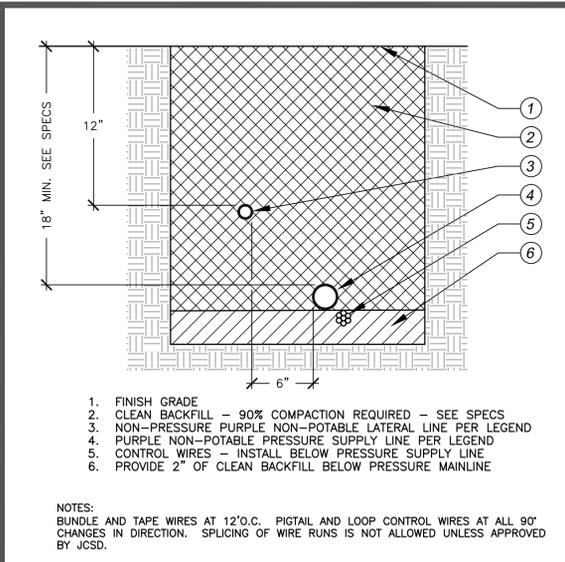
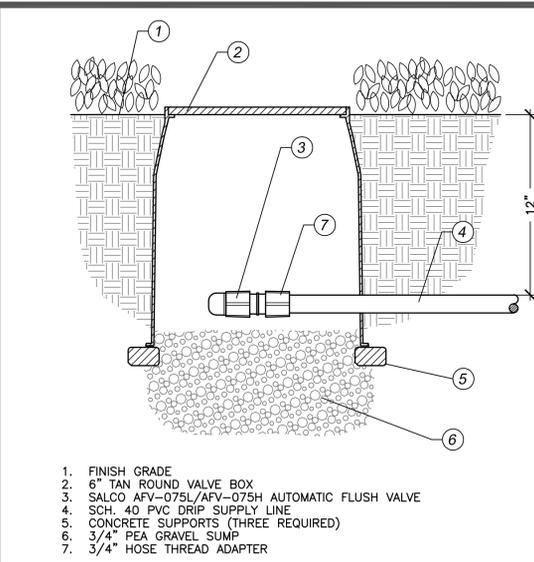
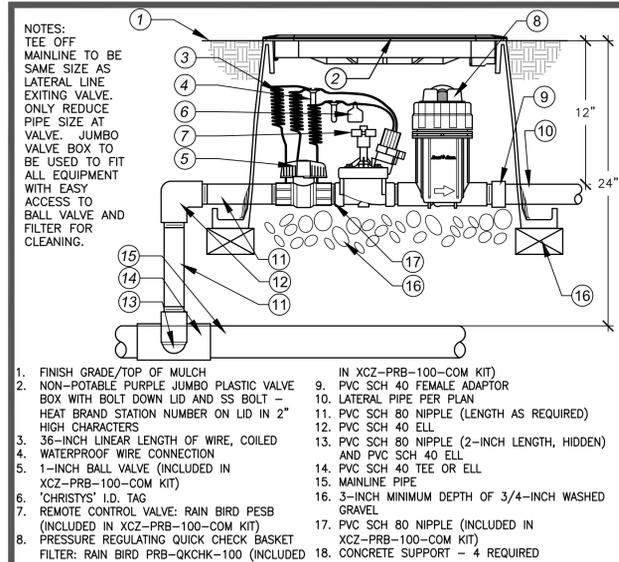
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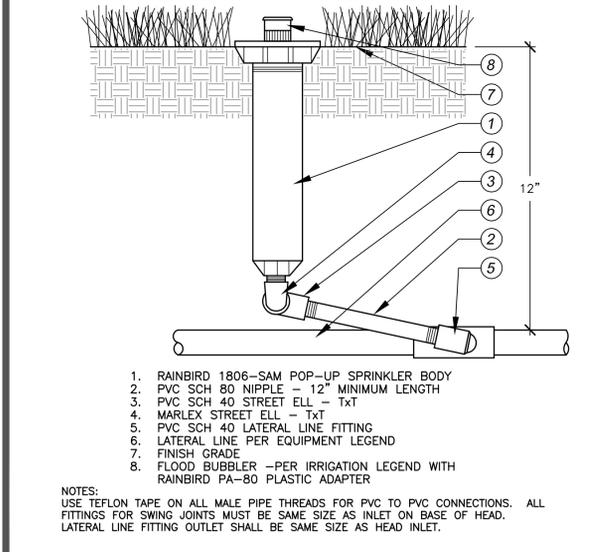
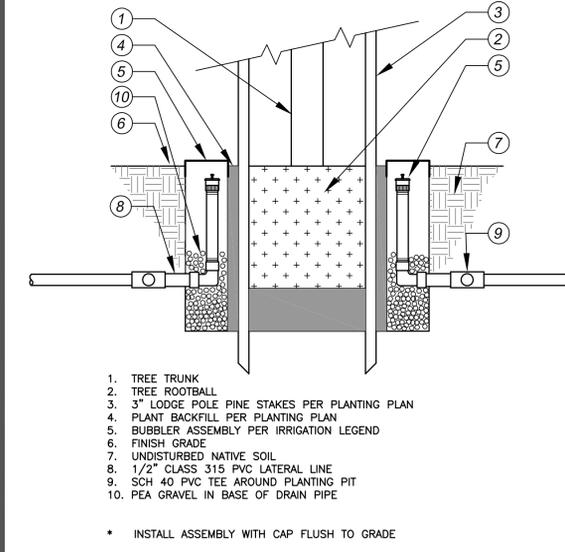
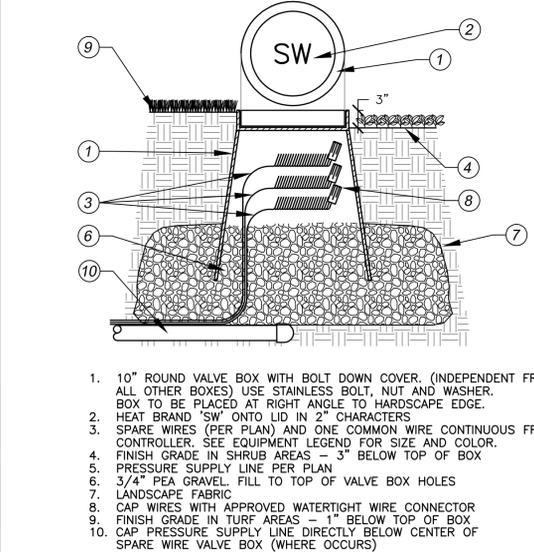
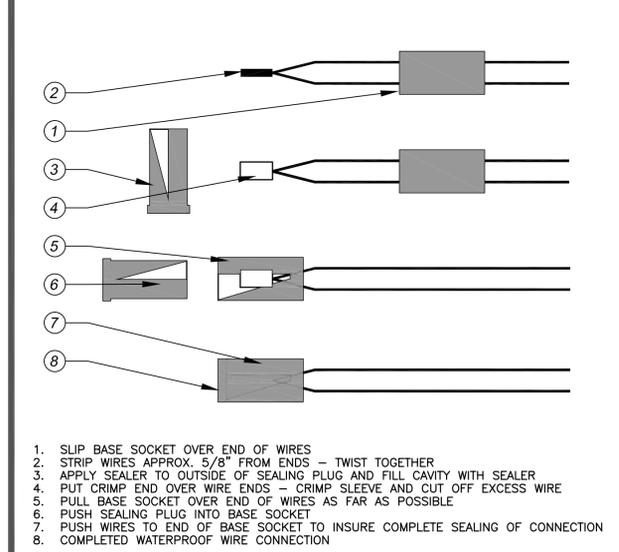


A Drip Control Valve Assembly

B Automatic Flush Valve

C Trenching

D Sleeving



E Wire Connections

F Spare Wire Box

G Tree Bubbler Heads

H Palm Bubbler Head

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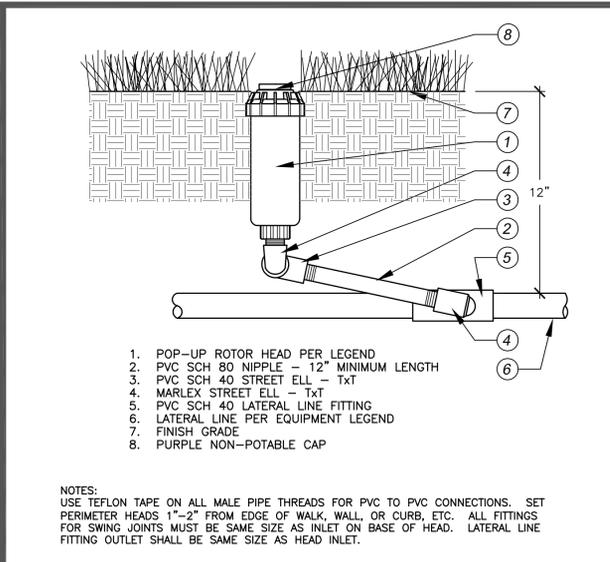
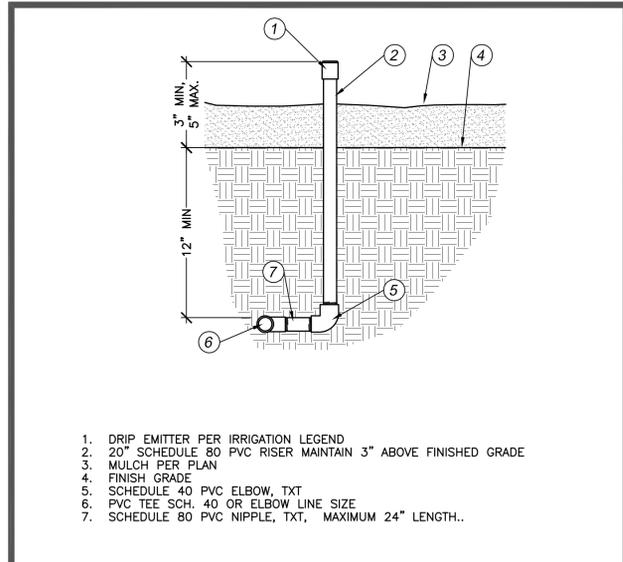
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Valve Number	Hydro-zone	Plant Type	Irr Method	Area (s.f.)	% of L.A.
1	2	Shrubs	Drip	17,445	17.08%
2	3	Palms	Bubbler	125	0.12%
3	5	Turf	Rotor	2,310	2.26%
4	5	Turf	Rotor	2,465	2.41%
5	1	L Trees	Bubbler	1,225	1.20%
6	4	M Trees	Bubbler	2,450	2.40%
7	2	Shrubs	Drip	14,410	14.11%
8	2	Shrubs	Drip	40,645	39.80%
9	3	Palms	Bubbler	50	0.05%
10	5	Turf	Rotor	2,265	2.22%
11	5	Turf	Rotor	2,405	2.35%
12	1	L Trees	Bubbler	2,100	2.06%
13	5	Turf	Rotor	2,200	2.15%
14	5	Turf	Rotor	2,300	2.25%
15	5	Turf	Rotor	1,545	1.51%
16	4	M Trees	Bubbler	700	0.69%
17	2	Shrubs	Drip	1,535	1.50%
18	1	L Trees	Bubbler	2,275	2.23%
19	4	M Trees	Bubbler	2,100	2.06%
20	4	M Trees	Bubbler	1,575	1.54%

102,125 Total Landscape Area (s.f.)

A Drip Emitter B Turf Rotor Head C D Hydrozone Chart

Rancho Mirage Dog Park

Yearly ETO	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ET0
	2.39	2.91	5.18	6.58	8.32	8.64	8.01	7.84	6.49	4.45	3.05	2.19	66.05
	0.28	0.34	0.60	0.76	0.96	1.00	0.93	0.91	0.75	0.52	0.35	0.25	

IRRIGATION CONTROLLER SCHEDULE FOR FIRST SIX MONTHS AFTER PLANTING
(Initial Watering Schedule for 70% ET, For June 8.64 inches, Adjust Monthly by Percent)

Station	Flow (gpm)	Sprinkler Type	Plant Type	App. Rate Inches/Hr.	Water Days	Run Time/ Cycle (min)	Cycles/ Day	Water Use/ Week(ccf)
1	7	Emit	Shrub	n/a	3	48	3	0.58
2	10	Bubbler	Trees	1	4	16	2	0.17
3	22	Rotor	Turf	0.61	5	22	1	0.15
4	21	Rotor	Turf	0.61	5	22	1	0.15
5	7	Bubbler	L Trees	1	4	16	2	0.17
6	14	Bubbler	M Trees	1	4	20	2	0.21
7	5	Emit	Shrub	n/a	3	48	3	0.58
8	6	Emit	Shrub	n/a	3	48	1	0.19
9	4	Bubbler	Palms	1	4	20	1	0.11
10	20	Rotor	Turf	0.61	5	22	1	0.15
11	21	Rotor	Turf	0.61	5	22	2	0.29

4.93 Weekly Water Use in June (ccf)
19.72 June Water Use (ccf)

Rancho Mirage Dog Park

Yearly ETO	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ET0
	2.39	2.91	5.18	6.58	8.32	8.64	8.01	7.84	6.49	4.45	3.05	2.19	66.05
	0.28	0.34	0.60	0.76	0.96	1.00	0.93	0.91	0.75	0.52	0.35	0.25	

IRRIGATION CONTROLLER SCHEDULE AFTER SIX MONTH PLANT ESTABLISHMENT PERIOD
(Established Watering Schedule for 70% ET, For June 8.64 inches, Adjust Monthly by Percent)

CONTROLLER

Station	Flow (gpm)	Sprinkler Type	Plant Type	App. Rate Inches/Hr.	Water Days	Run Time/ Cycle (min)	Cycles/ Day	Water Use/ Week(ccf)
1	7	Emit	Shrub	n/a	3	40	3	0.48
2	10	Bubbler	Trees	1	3	16	1	0.24
3	22	Rotor	Turf	0.61	5	18	2	0.06
4	21	Rotor	Turf	0.61	5	18	2	0.08
5	7	Bubbler	L Trees	1	3	16	1	0.24
6	14	Bubbler	M Trees	1	3	20	1	0.24
7	5	Emit	Shrub	n/a	3	40	3	0.48
8	6	Emit	Shrub	n/a	3	40	3	0.06
9	4	Bubbler	Palms	1	3	20	1	0.08
10	20	Rotor	Turf	0.61	5	18	2	0.08
11	21	Rotor	Turf	0.61	5	18	2	0.24

4.27 Weekly Water Use in June (ccf)
17.07 June Water Use (ccf)

E Watering Schedules

ZONE NUMBER	PLANT WATER USE	PLANT TYPE	PLANT FACTOR	AREA	IRRIGATION TYPE	IRRIGATION EFFICIENCY	ETWU
1	LOW	TREES	0.3	5,600 S.F.	BUBBLER	0.9	102
2	LOW/MOD	SHRUBS	0.4	74,035 S.F.	DRIP	0.9	1800
3	MODERATE	PALMS	0.5	175 S.F.	BUBBLER	0.9	6
5	MODERATE	TREES	0.5	6,825 S.F.	BUBBLER	0.9	208
4*	HIGH	TURF	0.82	15,490 S.F.	ROTOR	0.8	870
TOTAL							2,986

MAWA = (((66.05)(0.62)((102,125 S.F.)(0.5)))/748)+(((66.05)(0.62)(15,490)) / 748) = 3,644
 ETWU = (66.05 x 0.62 x 54,537) / 748 = 2,986

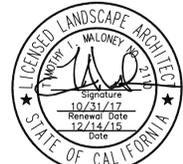
* - RECREATIONAL TURF AREA

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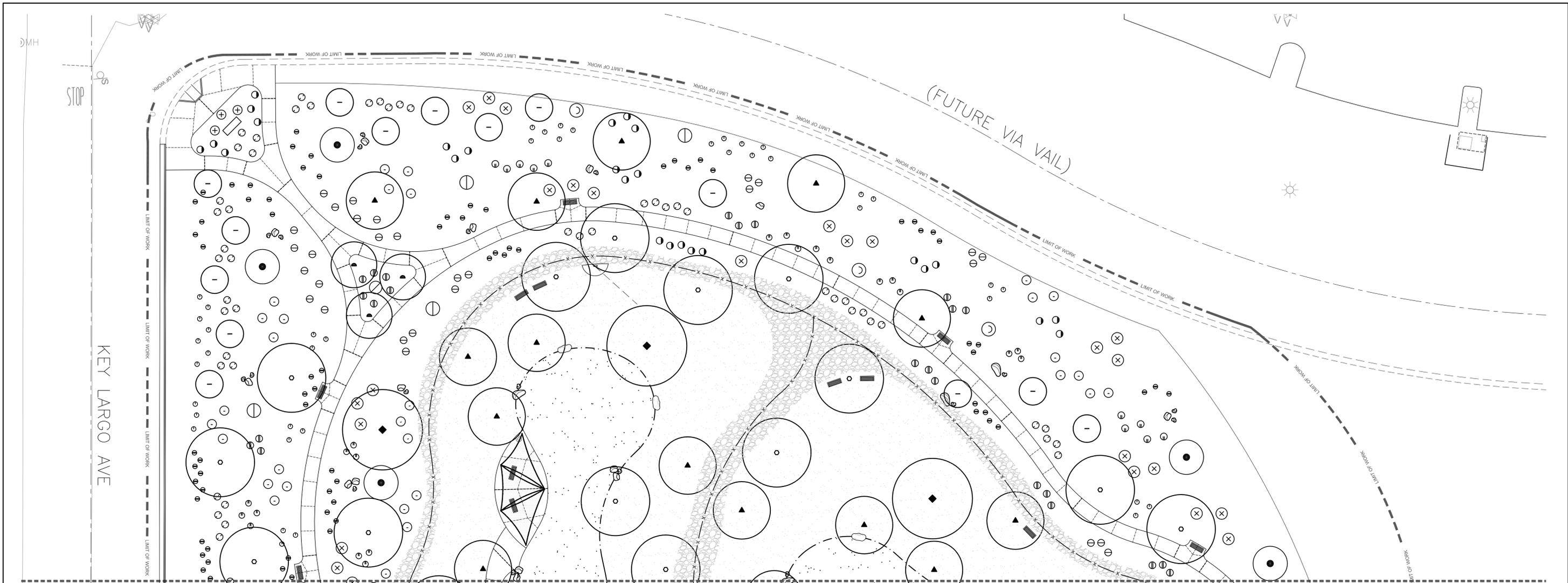
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MATCHLINE, SEE SHEET 24

PLANTING LEGEND:

BOTANIC NAME	COMMON NAME	SIZE / SPACING	QTY.	WUCOLS	DETAIL
PARKINSONIA FLORIDA	BLUE PALO VERDE	48" BOX	11	LOW	'A', SHEET 25
X CHITALPA TASHKENTENSIS	CHITALPA	24" BOX	30	LOW	'A', SHEET 25
FRAXINUS VELUTINA	ARIZONA ASH	24" BOX	28	MOD.	'A', SHEET 25
QUERCUS VIRGINIANA 'HERITAGE'	SOUTHERN LIVE OAK	24" BOX	4	MOD.	'A', SHEET 25
WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM (SKINNED TO 8')	12" BTH	14	MOD.	'F', SHEET 25

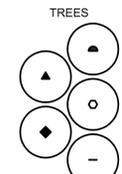
PLANTING LEGEND (CONTINUED):

BOTANIC NAME	COMMON NAME	SIZE / SPACING	QTY.	WUCOLS	DETAIL
HESPERALOE PARVIFLORA	RED YUCCA	5 GAL.	24	LOW	'D', SHEET 25
LANTANA MONTEVIDENSIS	TRAILING LANTANA	1 GAL.	22	MOD.	'D', SHEET 25
SENNA ARTEMISIOIDES	GREEN FEATHERY SENNA	5 GAL.	4	LOW	'D', SHEET 25
SODDED TURF - 'HYBRID BERMUDA'		AVAILABLE FROM AG SOD FARMS (800)233-5254	15,390 SF		

- NOTES:**
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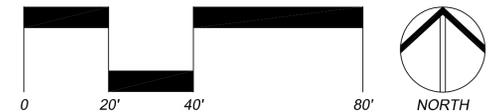
TOTAL LANDSCAPED AREA: 102,125 SF
 PERCENTAGE OF TURF: 15.07%
 MAWA = ((66.05)(0.62)((102,125 S.F.)(0.5)))/748 = 3,644
 ETWU = (66.05 x 0.62 x 54,537) / 748 = 2,986



SHRUBS / GROUNDCOVERS

ACACIA REDOLENS 'DESERT CARPET'	PROSTRATE ACACIA	1 GAL.	38	LOW	'D', SHEET 25
AGAVE PARRYI	PARRY'S AGAVE	5 GAL.	36	LOW	'D', SHEET 25
ALOE VERA	ALOE VERA	1 GAL.	38	LOW	'D', SHEET 25
ATRIPLEX HYMENELYTRA	DESERT HOLLY	5 GAL.	15	LOW	'D', SHEET 25
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CHRYSACTINIA MEXICANA	DAMIANITA	1 GAL.	102	LOW	'D', SHEET 25
CORDIA BOISSIERI	CORDIA BOISSIERI	5 GAL.	5	LOW	'D', SHEET 25
CORDIA PARVIFOLIA	LITTLE LEAF CORDIA	5 GAL.	4	LOW	'D', SHEET 25
DALEA FRUTESCENS 'SIERRA NEGRA'	BLACK DALEA	5 GAL.	71	LOW	'D', SHEET 25
EREMOPHILA MACULATA	RED EREMOPHILA	5 GAL.	51	LOW	'D', SHEET 25
ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT	1 GAL.	35	LOW	'D', SHEET 25
GUTIERREZIA SAROTHRAE	SLAKEWEED	1 GAL.	109	LOW	'D', SHEET 25

ADDENDUM #1 REVISIONS THIS SHEET:
 REMOVED BRAHEA ARMATA FROM PLANTING LEGEND. ADDED PREVIOUS BRAHEA QUANTITY TO WASHINGTONIA FILIFERA.
 REVISED SOD TYPE AND DISTRIBUTOR.



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Date _____ Water Management Department
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 REQUIRES AN INDUSTRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR YOUR PRE-EXCAVATION ID NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG.

#	REVISIONS	DATE	APP.
1.	ADDENDUM #1	1/21	

UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
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 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO, THESE LINES OR STRUCTURES.

COMMUNITY WORKS DESIGN GROUP
 4649 BROCKTON AVENUE RIVERSIDE, CA 92506
CITY OF RANCHO MIRAGE
 69825 HIGHWAY 111 RANCHO MIRAGE, CA 92270
 760-770-3224

PREPARED UNDER THE DIRECT SUPERVISION OF:
 TIM MALONEY, RLA 2110, EXP. 10/31/17
 GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
 BRETT S. ANDERSON, PRINCIPAL ENGINEER
 R.C.E. C45389, EXP. 9/30/16

RECOMMENDED FOR APPROVAL BY:
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 APPROVED BY CITY OF RANCHO MIRAGE:
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CITY OF RANCHO MIRAGE
PLANTING PLAN
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 DESCRIPTION C.P. 14-311
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 LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

SHEET 23 OF 33
 PRIVATE REFERENCE # 150109
 PERMIT # E1500165

MATCHLINE, SEE SHEET 23



PLANTING LEGEND:

BOTANIC NAME	COMMON NAME	SIZE / SPACING	QTY.	WUCOLS	DETAIL
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	PARKINSONIA FLORIDA	BLUE PALO VERDE	48" BOX	11	LOW	'A', SHEET 25
	X CHITALPA TASHKENTENSIS	CHITALPA	24" BOX	30	LOW	'A', SHEET 25
	FRAXINUS VELUTINA	ARIZONA ASH	24" BOX	28	MOD.	'A', SHEET 25
	QUERCUS VIRGINIANA 'HERITAGE'	SOUTHERN LIVE OAK	24" BOX	4	MOD.	'A', SHEET 25
	WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM (SKINNED TO 8')	12" BTH	14	MOD.	'F', SHEET 25

SHRUBS / GROUNDCOVERS

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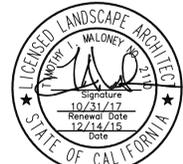
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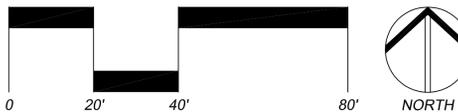
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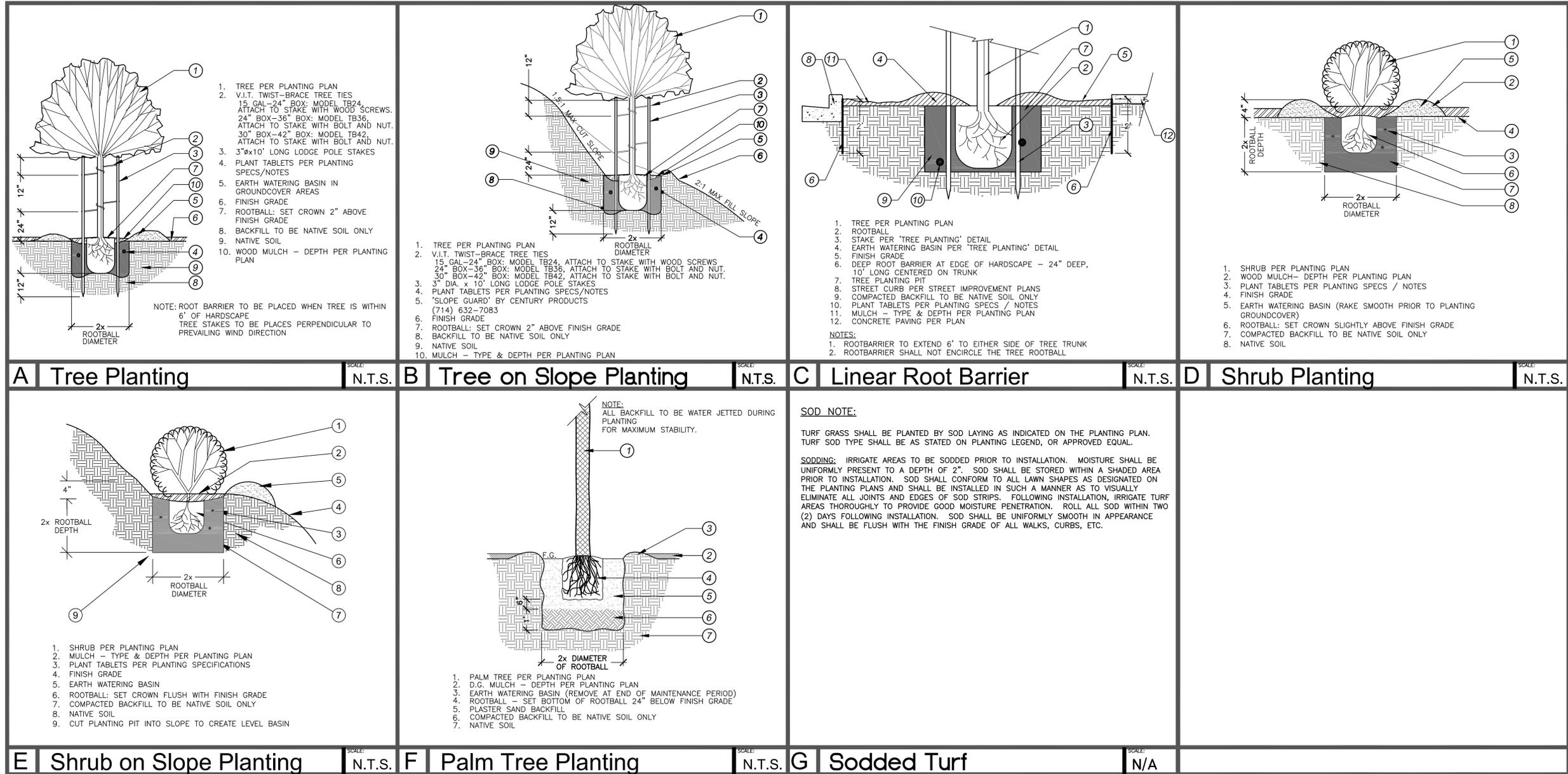
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Jan 21, 2016 - 11:26am Alison Rush F:\Rancho Mirage Dog Park\CD's\Planting.dwg

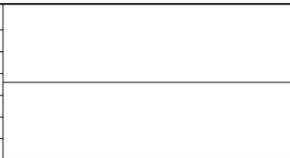


Jan 21, 2016 - 8:13am Allison Rush
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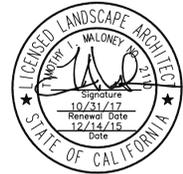
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CITY OF RANCHO MIRAGE
 PLANTING DETAIL SHEET
 PROJECT RANCHO MIRAGE DOG PARK
 DESCRIPTION C.P. 14-311
 SITE ADDRESS 34-100 KEY LARGO AVENUE
 LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

SHEET 25 OF 33
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FERTILIZER PROGRAM:

THREE (3) FERTILIZER APPLICATIONS ARE TO BE APPLIED TO ALL PLANTING AREAS AT THIRTY (30) DAY INTERVALS USING THE FOLLOWING FORMULA:

5 LBS. 16-16-16 COMMERCIAL FERTILIZER PER 1000 SQ. FT.

AFTER ALL SITE GRADING HAS BEEN COMPLETED, THE CONTRACTOR SHALL OBTAIN, AT HIS EXPENSE, AN AGRONOMIC SOILS TEST. THE TEST SHALL BE PERFORMED BY AN APPROVED SOIL LAB AND SHALL INCLUDE ALL OF THE ABOVE INFORMATION. THE RECOMMENDATIONS OF THIS REPORT SHALL TAKE PRECEDENCE OVER THE ABOVE QUANTITIES ONLY WHEN THEY EXCEED THE SPECIFIED MINIMUMS.

SOIL PREPARATION:

TO ALL NEW PLANTING AREAS (SHRUB AND GROUND COVER), ROTOTILL THE FOLLOWING AMENDMENTS:

'NITROMULCH' SOIL AMENDMENT - 3 CU. YDS. PER 1000 SQ. FT.
16-16-16 COMMERCIAL FERTILIZER - 12 LBS. PER 1000 SQ. FT.

'NITROMULCH' SOIL AMENDMENT AVAILABLE FROM 'KELLOG SUPPLY, INC.' (800) 232-2322

PLANTING NOTES:

- GENERAL - ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE LOCAL CODES AND THESE PLANS.
- THE CONTRACTOR SHALL CAREFULLY INSPECT THE SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF ANY WORK UNDER THIS CONTRACT.
- THE CONTRACTOR SHALL CARRY ALL WORKER'S COMPENSATION, PUBLIC LIABILITY, AND PROPERTY DAMAGE INSURANCE AS REQUIRED BY OWNER.
- THE CONTRACTOR SHALL APPLY FOR ALL PERMITS AND PAY FOR SAME.
- ALL IRRIGATION WORK SHALL HAVE BEEN INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING ANY GROUND COVER PLANTING WORK.
- THE OWNER'S SUPERINTENDENT AND THE LANDSCAPE ARCHITECT WILL INSPECT THE PLANTING WORK PRIOR TO STARTING WORK. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT AND COORDINATE ALL INSPECTIONS.
- THE QUALITY OF WORKMANSHIP AND MATERIALS SHALL BE OF THE HIGHEST STANDARDS. COOPERATION AND FLEXIBILITY IS EXPECTED OF THE CONTRACTOR TOWARD WORKING WITH THE OWNER/LANDSCAPE ARCHITECT IN PRODUCING THE BEST POSSIBLE PRODUCT.
- UPON COMPLETION OF EACH PHASE OF WORK, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE SITE OF ALL ACCUMULATED RUBBISH, DEBRIS, AND OTHER EXTRANEUS MATERIAL.
- SCOPE OF WORK - CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR, TRANSPORTATION, EQUIPMENT AND PROPERTY TO COMPLETE THE LANDSCAPING OF THE PLANTING AREAS AS INDICATED ON, OR REASONABLY IMPLIED BY THE DRAWINGS AND OR NOTES.
- INCLUDED AS A PART OF THE WORK, BUT NOT NECESSARILY LIMITED BY IT ARE THE FOLLOWING ITEMS: FINE GRADING OF ALL PLANTING AREAS; PREPARATION OF ALL PLANTING AND TREE HOLES; FURNISHING AND INSTALLATION OF ALL PLANT MATERIALS; PROVIDING MAINTENANCE THROUGHOUT THE PROJECT PERIOD; PROVIDING PLANT ESTABLISHMENT WORK THROUGHOUT THE SPECIFIED PERIOD; CLEAN-UP AND WEEDING OF ALL LANDSCAPE AREAS; GUARANTEE OF ALL PLANT MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR.
- THE CONTRACTOR SHALL REMOVE ALL WEEDS, ROCKS OVER 2" DIAMETER, DEBRIS AND OTHER EXTRANEUS MATERIAL FROM THE JOB SITE IN A LEGAL MANNER PRIOR TO PROCEEDING WITH ANY WORK UNDER THIS CONTRACT.
- THE OWNER SHALL PROVIDE ROUGH GRADE TO WITHIN 1/10th OF 1 FOOT OF FINISH GRADE, INCLUDING ANY MINOR ADJUSTMENTS TO EARTH BERM AND SLOPE SHAPES. PROVIDE FINISH GRADE IN PLANTING AREAS TO 1% MINIMUM FLOW. FINISH GRADES SHALL BE 2" BELOW ADJACENT WALKS, CURBS, DRIVEWAYS, ETC. IN GROUND COVER AREAS AND 1" BELOW IN TURF.
- ALL TREES AND SHRUBS SHALL BE PLANTED PER THESE NOTES AND AS DETAILED. ALL PLANT MATERIAL SHALL BE OF THE HIGHEST QUALITY AND LARGEST REASONABLE SIZE AVAILABLE FOR THE SPECIFIED CONTAINER SIZE (WITHOUT BEING ROOT BOUND). SHRUB MATERIALS SHALL BE VIGOROUSLY GROWING, HEALTHY PLANT MATERIAL, FULL AND BUSHY; OF HINES WHOLESALE NURSERY / MONROVIA NURSERY COMPANY QUALITY OR EQUAL. THE LANDSCAPE ARCHITECT WILL APPROVE ALL PLANT MATERIAL WHEN SPOTTED FOR PLANTING, AND WILL NOT HESITATE TO REJECT ANY MATERIAL OF QUESTIONABLE QUALITY, OR OF LESS THAN THE LARGEST REASONABLE SIZE MATERIAL AVAILABLE. ALL SPECIMEN MATERIAL TAGGED BY THE LANDSCAPE ARCHITECT FOR THIS PROJECT WILL BE AVAILABLE AT VALLEY CREST NURSERY, SEA TREE NURSERY, OR OTHER SOURCE EQUAL IN QUALITY. CONTRACTOR SHALL PURCHASE TAGGED MATERIAL, ARRANGE DELIVERY, PAY FOR SAME, AND INSTALL PER PLAN.
- THE LANDSCAPE ARCHITECT SHALL APPROVE THE LOCATION OF ALL OF THE ONE GALLON, FIVE GALLON, AND FIFTEEN GALLON PLANT MATERIAL AS APPROXIMATELY SPOTTED IN THE FIELD BY THE CONTRACTOR. ALL BOXED MATERIAL SHALL BE STAKED FOR LOCATION APPROVAL PRIOR TO PLANT PIT EXCAVATION. PRIOR TO PLANTING, THE OWNER'S REPRESENTATIVE WILL SELECT THE BEST SIDE AND FACE ALL SPECIMEN TREES.
- TREE TIES SHALL BE "TWIST BRACE" AVAILABLE FROM 'V.I.T. COMPANY' OF ESCONDIDO, CA (619) 480-6702. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- ALL GROUND COVER AS NOTED IN THE LEGEND SHALL BE ROOTED TIP CUTTINGS FROM FLOWS CONTINUOUSLY UNDER ALL TREES AND SHRUBS IN THE AREAS AS DESIGNATED ON THE PLANS AND AT THE SPACING INDICATED IN THE LEGEND. ALL GROUND COVER AND SHRUB AREAS SHALL HAVE A MINIMUM DEPTH OF 3" MULCH, TYPE PER PLAN (WOOD MULCH TO BE MAX. 1" IN DIAMETER).
- TO ALL PLANTING AREAS AND PRIOR TO IRRIGATION SYSTEM INSTALLATION, CROSS RIP OR OTHERWISE TILL 12" DEEP. AFTER CROSS RIPPING, ROTO-TILL SOIL PREP AMENDMENTS 6" DEEP (SEE SOIL PREP / BACKFILL NOTE).
- FOR BACKFILL AROUND TREES AND SHRUBS, USE THE FORMULA AS INDICATED IN THE SOIL PREP / BACKFILL NOTE. MIXING SHALL BE DONE AT ONE LOCATION.
- WEED ABATEMENT - TO ALL PLANTING AREAS, AFTER EARTHWORK, INSTALLATION OF IRRIGATION SYSTEM AND SOIL PREPARATION, THE FOLLOWING WEED ABATEMENT WORK SHALL BE DONE:
 - KEEP AREAS MOIST BY REGULAR IRRIGATIONS FOR A PERIOD OF TWO WEEKS (MINIMUM) TO GERMINATE EXISTING WEED SEEDS.
 - KILL WEEDS WITH CONTACT WEED KILLER PER LICENSED HERBICIDE AGENCY SPECIFICATIONS. AFTER COMPLETE WEED KILL, REMOVE WEED RESIDUE AND TOP GROWTH.
 - PRE-EMERGENT PROGRAM - PRIOR TO INSTALLATION OF GROUND COVER, CONTRACTOR SHALL INSTALL A PER-EMERGENT HERBICIDE, EPTAM OR EQUAL, TO ALL PROPOSED GROUND COVER AREAS PER MANUFACTURER'S RECOMMENDATIONS.
 - MAINTENANCE - THE CONTRACTOR SHALL MAINTAIN ALL PLANTED AREAS THROUGHOUT THE CONTRACT PERIOD. MAINTENANCE SHALL CONSIST OF PROPER WATERING, FERTILIZATION, WEEDING, AND GENERAL CLEAN-UP. PLANTS SHALL BE KEPT IN A HEALTHY GROWING CONDITION.
 - PLANT ESTABLISHMENT PERIOD - THE PLANT ESTABLISHMENT PERIOD SHALL COMMENCE UPON THE OWNER'S AND THE LANDSCAPE ARCHITECTS WRITTEN APPROVAL OF ALL PHASES OF PLANTING INSTALLATION AND SHALL BE FOR NINETY (90) CONTINUOUS CALENDAR DAYS. PLANT ESTABLISHMENT WORK SHALL INCLUDE THREE (3) FERTILIZER APPLICATIONS TO ALL PLANTED AREAS DURING THIRTY (30) DAY INTERVALS DURING THE PLANT ESTABLISHMENT PERIOD (REFER TO FERTILIZER PROGRAM NOTE FOR TYPE AND APPLICATION RATES).
 - PLANT ESTABLISHMENT PROCEDURES - THE GENERAL CARE AND MAINTENANCE OF ALL AREAS SHALL CONSIST OF PROPER WATERING, FERTILIZATION, WEEDING, CLEAN-UP, AND AS FOLLOWS:
 - CULTIVATE AND WEED AT NOT LESS THAN TEN (10) WORKING DAY INTERVALS.
 - THREE (3) FERTILIZER APPLICATIONS PER NOTE ABOVE WITH FERTILIZER AT THE RATE AND FORMULA AS INDICATED IN THE SOIL PREP/BACKFILL NOTE.
 - CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEMS IN A LIKE NEW, OPERATING CONDITION, ADJUSTING HEAD HEIGHTS, THROW AND SPRAY ARCS AS NECESSARY. THE CONTRACTOR IS RESPONSIBLE FOR PROPER WATERING OF ALL PLANTED AREAS, AND SHALL REPLACE ANY MATERIAL DAMAGED DUE TO IMPROPER MOISTURE.
 - ANY CONCENTRATED DEVELOPMENT OF WEED GROWTH THAT MAY APPEAR IN PLANTING AREAS DURING PLANT ESTABLISHMENT PERIOD SHALL BE REMOVED AT THIRTY (30) DAY INTERVALS. THE CONTRACTOR MAY ELECT TO REMOVE SUCH CONCENTRATIONS OF WEEDS MANUALLY OR BY AN APPROVED HERBICIDE PROGRAM.
 - DURING THE COURSE OF THE MAINTENANCE WORK, THE CONTRACTOR SHALL REMOVE SURPLUS MATERIALS AND DEBRIS FROM THE SITE AND SHALL KEEP THE PREMISES IN A NEAT AND CLEAN CONDITION AT ALL TIMES.
 - DURING THE PLANT ESTABLISHMENT PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE PROTECTION FOR ALL PLANTING AREAS. ANY DAMAGED AREAS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

A Soil Prep / Fertilizer	SCALE: N/A	B Planting Notes	SCALE: -		
C		D		E	F

These plans have been reviewed by the Coachella Valley Water District in accordance with California Government Code, Section 65591 et seq. requiring efficient landscape and irrigation design in cooperation with the local governing agency (City or County).

Approval of this drawing by CVWD staff does not constitute approval to encroach into district and USBR right-of-way. Trees, plants, walls and permanent structures of any kind may not be planted or installed in CVWD and USBR easements or Right-of-Way without first obtaining an encroachment permit from CVWD.

Date _____ Water Management Department

CVWD Plan # _____ Development Services Department



<p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 416 OF THE GOVERNMENT CODE REQUIRES AN INDUSTRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE ISSUED. FOR YOUR PRE-EXCAVATION ID NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARED OF THESE PLANS.</p> <p>ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.</p> <p>THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.</p>	<table border="1"> <thead> <tr> <th>#</th> <th>REVISIONS</th> <th>DATE</th> <th>APP.</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>ADDENDUM #1</td> <td>1/21</td> <td></td> </tr> </tbody> </table>	#	REVISIONS	DATE	APP.	1.	ADDENDUM #1	1/21		<p>COMMUNITY WORKS DESIGN GROUP 4649 BROCKTON AVENUE 951-369-0700 RIVERSIDE, CA 92506</p> <p>CITY OF RANCHO MIRAGE 69825 HIGHWAY 111 RANCHO MIRAGE, CA 92270 760-770-3224</p>	<p>PREPARED UNDER THE DIRECT SUPERVISION OF:</p> <p><i>Tim Maloney</i> 12/14/15 DATE</p> <p>TIM MALONEY, RLA 2110, EXP. 10/31/17</p> <p>GEO TECHNICAL CERTIFICATION, IF REQUIRED, BY:</p> <p><i>Brett Anderson</i> 12/14/15 DATE</p> <p>BRETT S. ANDERSON, PRINCIPAL ENGINEER R.C.E. C43389, EXP. 9/30/16</p>	<p>RECOMMENDED FOR APPROVAL BY:</p> <p>MARK W. SAMBITO DATE R.C.E. 53613, EXP. 6/30/2017</p> <p>APPROVED BY CITY OF RANCHO MIRAGE:</p> <p>WILLIAM A. ENOS, CITY ENGINEER DATE R.C.E. 43910, EXP. 6/30/2017</p>	<p>CITY OF RANCHO MIRAGE</p> <p>PLANTING NOTES SHEET</p> <p>PROJECT RANCHO MIRAGE DOG PARK DESCRIPTION C.P. 14-311</p> <p>SITE ADDRESS 34-100 KEY LARGO AVENUE</p> <p>LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011</p>	<p>SHEET 26 OF 33</p> <p>PRIVATE REFERENCE # 150109</p> <p>PERMIT # E1500165</p>
#	REVISIONS	DATE	APP.												
1.	ADDENDUM #1	1/21													

Jan 21, 2016 - 8:13am Allison Rush F:\Rancho Mirage Dog Park\CD's\Planting.dwg

GENERAL NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST CALIFORNIA CODE OF REGULATIONS (CCR), NATIONAL ELECTRICAL CODE EDITION AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
- ALL PANELS, SWITCHES, ETC. SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS IN COMPLIANCE TO UL REQUIREMENTS TO ACCOMMODATE CONDUCTORS SHOWN.
- WHERE WIRE SIZES ARE INDICATED ON PLANS, FOR INDIVIDUAL CIRCUITS, THE WIRE SIZE INDICATED SHALL APPLY TO THE COMPLETE CIRCUIT, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF MECHANICAL, PLUMBING AND OTHER EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO ANY WORK.
- CONTRACTOR SHALL EXTEND WIRING FROM ALL JUNCTION BOXES, SWITCHES, ETC. AND MAKE FINAL CONNECTION AS REQUIRED TO ALL BUILDING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
- LOCATION OF LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS. AT OR NEAR DOORS, INSTALL SWITCHES ON SIDE OPPOSITE TO DOOR HINGE. VERIFY FINAL HINGE LOCATION IN FIELD PRIOR TO ANY WORK.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OR OTHER TRADES RELATING TO WORK TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND MINIMUM CODE REQUIRED WORKING CLEARANCES AT ALL TIMES.
- CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WALL OUTLET BOXES FOR SWITCHES, BELL/STROBES, FIRE ALARM PULL STATIONS, RECEPTACLES ETC. WITH CABINETS, FURNITURE, EQUIPMENT ETC., TO AVOID CONFLICT.
- WHERE ELECTRIC MOTORS OR HEATERS ARE INSTALLED IN HUNG CEILINGS, PROVIDE DISCONNECT SWITCH IN HUNG CEILING WITHIN REACH FROM ACCESS POINT.
- FURNISH APPROVED EXPANSION FITTINGS WHERE RACEWAY CROSSING BUILDING EXPANSION JOINTS.
- FURNISH PULL STRING IN EACH RACEWAY RUN OVER 10' IN LENGTH, IN WHICH PERMANENT WIRING IS NOT INSTALLED.
- NOT MORE THAN THREE LIGHTING OR CONVENIENCE OUTLET CIRCUITS ARE PERMITTED IN ONE CONDUIT, PROVIDE SEPARATE CONDUIT FOR EACH HOMERUN INDICATED ON THE DRAWING, UNLESS INDICATED OTHERWISE.
- PROVIDE PULL BOXES WHEREVER NECESSARY TO FACILITATE PULLING OF CONDUCTORS. COORDINATE LOCATIONS OF BOXES WITH OTHER TRADES TO AVOID CONFLICT. PULL BOXES SHALL BE ACCESSIBLE. THE SIZE OF PULL BOX SHALL COMPLY WITH N.E.C. REQUIREMENTS.
- OUTLET BOXES FOR FIXTURES RECESSED IN HUNG CEILING SHALL BE ACCESSIBLE THROUGH OPENING CREATED BY REMOVAL OF FIXTURES.
- SEE MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATION FOR ADDITIONAL CONNECTION REQUIREMENTS TO CONTROL PANELS, CONTROL TRANSFORMERS, POWER FOR CONTROL SYSTEM EP AND PE SWITCHES, TIME CLOCKS, VALVES, STAIRS, RELAYS, DUCT SMOKE DETECTOR LOCATIONS, ETC. INDICATED ON CONTROL WIRING DIAGRAMS. ELECTRICAL CONTRACTOR SHALL VERIFY FINAL CONTROL WIRING REQUIREMENTS WITH MECHANICAL AND PLUMBING CONTRACTORS PRIOR TO ANY WORK AND PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS AS REQUIRED.
- ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT INCLUDING THOSE THAT ARE EXPOSED TO OUTSIDE ENVIRONMENT (UP TO 16') SHALL BE WEATHERPROOF TYPE, NEMA 3R.
- NO CONDUIT RUNS SHALL BE ALLOWED IN CONCRETE SLABS. ALL CONDUITS WILL BE PLACED ABOVE ACCESSIBLE CEILING SPACES UNLESS SPECIFICALLY INDICATED TO BE UNDERGROUND.
- LIGHTING, POWER, TELEPHONE AND COMMUNICATIONS OUTLETS SHALL NOT BE PLACED BACK-TO-BACK.
- WHERE MORE THAN ONE LIGHT SWITCH OCCURS AT SAME LOCATION, SWITCHES SHALL BE MOUNTED IN A MULTIPLE GANG BOX UNDER A SINGLE COVER PLATE. PLATES WITH MORE THAN (3) LIGHT SWITCHES SHALL BE LABELED TO INDICATE THE LIGHT FIXTURES CONTROLLED.
- DISCONNECT SWITCHES SHALL BE MOUNTED ON INDIVIDUAL SUPPORTS, OR OTHERWISE DIRECTLY ON EQUIPMENT, PROVIDED NO MODIFICATION TO EQUIPMENT IS NECESSARY.
- ALL ELECTRICAL POWER LIGHTING, TELEPHONE OR SIGNAL WIRING IN FIRE RATED WALL IS TO BE INSTALLED IN A METALLIC CONDUIT SYSTEM.
- ALL ELECTRIC MATERIAL SHALL BE LISTED BY "UL" FOR THE TYPE OF APPLICATION AND "UL" LABEL SHALL APPEAR ON ALL ELECTRICAL EQUIPMENT.
- CONTACT UTILITY COMPANIES FOR SCOPE OF WORK PRIOR TO SUBMITTING BID; INCLUDE UTILITY CHARGES IF ANY.
- ALL DISTRIBUTION AND CONTROL EQUIPMENT (SUCH AS CB'S, SWITCHES, CONTACTORS, ETC.), TERMINATIONS SHALL BE FULLY RATED PER UL AS FOLLOWS:
 - 125A OR LESS : 60°C OR MORE;
 - MORE THAN 125A : 75°C OR MORE.
- CONDUCTORS SHALL HAVE UNDERWRITER'S LABORATORIES, INC.(UL) LISTED, 600 VOLT INSULATION OF TYPE SPECIFIED BELOW OR ELSEWHERE IN THE SPECIFICATIONS. CONDUCTORS SHALL BE COPPER.
 - BRANCH CIRCUITS - LIGHTING AND POWER.
 - #10 AWG AND SMALLER, SOLID WIRE TYPE THW OR THHN/THWN, THHN/THWN FOR DRY LOCATION ONLY;
 - #8 AWG TO #2 AWG, STRANDED TYPE THW OR THHN/THWN;
 - #1 AWG AND LARGER, STRANDED TYPE XHHW.
 - FEEDERS : TYPE THW OR THHN/THWN, OR XHHW.
- PROVIDE GREEN INSULATED GROUNDING CONDUCTOR IN EACH RACEWAY INCLUDING CONDUITS, PLUG STRIPS, WIREMOLD. SIZE OF GROUNDING SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE ARTICLE 250.
- WIRING METHOD SHALL BE EMT ABOVE GROUND AND MOUNTED IN CONCEALED SPACES AND SCHEDULE-40 PVC FOR UNDERGROUND INSTALLATION. USE RIGID WHEN ENCASED IN CONCRETE OR SUSCEPTIBLE TO DAMAGE.
- CONTRACTOR TO USE THE FOLLOWING CONDUCTOR SIZES FOR BRANCH CIRCUITS.
 - #10 AWG CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS LONGER THAN 75 FEET.
 - #10 AWG CONDUCTORS FOR 20 AMPERE, 277 VOLT BRANCH CIRCUITS LONGER THAN 200 FEET.
- PROVIDE 110V OUTLET, CFL LIGHT & SWITCH FOR LIGHT @ FAU IN ATTIC, WHERE APPLICABLE.

ABBREVIATIONS

A	AMPERE	MULTI	MULTI-METER SECTION
AF	AMPERE FRAME RATING (CIRCUIT BREAKER)	MV	MEDIUM VOLTAGE
AFB	ABOVE FINISHED FLOOR	NC	NORMALLY CLOSED
AFG	ABOVE FINISHED GRADE	NEC	NATIONAL ELECTRICAL CODE
AFU	AMPERE FUSE RATING (FUSE)	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
AIC	AMPERE INTERRUPTING CAPACITY	NEW (N)	NEW, TO BE FURNISHED AND INSTALLED BY CONTRACTOR
AS	AMPERE SWITCH RATING (FUSE)	NF	NON-FUSED
AT	AMPERE TRIP RATING (CIRCUIT BREAKER)	NIC	NOT IN CONTRACT
AWG	AMERICAN WIRE GAUGE	N/L	NIGHT LIGHT
BKBD	BACKBOARD	NO	NUMBER, NORMALLY OPEN
BLDG	BUILDING	NIS	NOT TO SCALE
BKR	BREAKER	OC	ON CENTER
CB	CONDUIT	OD	OUTSIDE DIAMETER
CB	CIRCUIT BREAKER	P	POLE
CKT	CIRCUIT	PB	PULL BOX
CFSD	COMBINATION FIRE SMOKE DAMPER	PF	POWER FACTOR
CO	CONDUIT ONLY	PANL	PANEL
CONC	CONCRETE	POC	POINT OF CONNECTION
CT	CURRENT TRANSFORMER	PP	POWER POLE
CU	COPPER	PWR	POWER
Q	QUANTITY	PVC	POLYVINYL CHLORIDE
DISC	DISCONNECT	QUAD	QUADRUPLX
DSBN	DISTRIBUTION SECTION	QTY	QUANTITY
DN	DOWN	REQD	REQUIRED
DWG	DRAWING	REQMT	REQUIREMENT
EA	EACH	RGS	RIGID GALVANIZED STEEL
EC	ELECTRICAL CONTRACTOR	RMC	RIGID METALLIC CONDUIT
EM	EMERGENCY	RM	ROOM
EMT	ELECTRICAL METALLIC TUBING	RNC	RIGID NONMETALLIC CONDUIT
EXIST, (E)	EXISTING	SHT	SHEET
EKO	EXTERNAL OPERABLE DISCONNECT	SN	SOLID NEUTRAL
F	FUSE	SPEC	SPECIFICATIONS
FA	FIRE ALARM	SPDT	SINGLE POLE, DOUBLE THROW
FACP	FIRE ALARM CONTROL PANEL	SPST	SINGLE POLE, SINGLE THROW
FF	FINISHED FLOOR	SW	SWITCH
FG	FINISHED GRADE	SWBD	SWITCHBOARD
FLA	FULL LOAD CURRENT	TC	TIME CLOCK
FLUOR	FLUORESCENT	TEL	TELEPHONE
GEN	GENERATOR	TERM	TERMINAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TP	TEMPORARY POLE
GFP	GROUND FAULT PROTECTION	TYP	TYPICAL
GND	GROUND	UGPS	UNDERGROUND PULL SECTION
HOA	HAND-OFF-AUTOMATIC	UL	UNDERWRITERS LABORATORY
HP	HORSE POWER	UPS	UNINTERRUPTIBLE POWER SUPPLY
HV	HIGH VOLTAGE	UNOT	UNLESS OTHERWISE NOTED
IDF	INTERMEDIATE DISTRIBUTION FRAME	V	VOLT, VOLTAGE
IG	ISOLATED/INSULATED GROUND	VA	VOLT-AMPERE
INCAND	INCANDESCENT	VFC	VARIABLE FREQUENCY CONTROLLER
ISC	SHORT CIRCUIT CURRENT AVAILABLE	VFD	VARIABLE FREQUENCY DRIVE
J-BOX	JUNCTION BOX	W	WATT
KOML	THOUSAND CIRCULAR MILS	WH	WATT-HOUR
KW	KILOWATT	WP	WEATHERPROOF
KV	KILO VOLT	WT	WEATHERTIGHT
KVA	KILO VOLT-AMPERE	WW	WIREWAY
LDC	LOCAL DISTRIBUTION CABINET	XP	EXPLOSION PROOF
LDF	LOCAL DISTRIBUTION FRAME	Z	IMPEDANCE
LCL	LONG CONTINUOUS LOAD	4W	FOUR-WIRE
LTG	LIGHTING	3W	THREE-WIRE
LV	LOW VOLTAGE	SS	STEEL
MFR	MANUFACTURER		
MAX	MAXIMUM		
MCC	MOTOR CONTROL CENTER		
MIN	MINIMUM		
MH	MANHOLE / METAL HALIDE		
M/M	METER AND MAIN SECTION		
(E)	EXISTING DEVICE TO REMAIN	(RL)	REMOVE EXISTING DEVICE AND RELOCATE AS SHOWN ON PLAN
(R)	REMOVE EXISTING DEVICE AND ASSOCIATED CONDUIT AND WIRE	(NL)	NEW LOCATION OF RELOCATED DEVICE

POWER LEGENDS AND SYMBOLS (CONT)

SYMBOL	DESCRIPTION
	UTILITY METER WITH CIRCUIT TRANSFORMERS (CT'S) METER
	SOLID STATE DEVICE CONNECTED TO THE POWER DISTRIBUTION SYSTEM
	GROUND FAULT PROTECTION DEVICE CONNECTED TO THE POWER DISTRIBUTION SYSTEM
	TRANSFORMER WITH SECONDARY GROUND
	ON-SITE GENERATOR SET
	CONDUIT WIRING DESCRIPTION PER FEEDER SCHEDULE ON OTHER PLAN
	CONDUIT WIRING DESCRIPTION PER FEEDER SCHEDULE ON OTHER PLAN
	CONCRETE ELECTRICAL PULL BOX WITH LID APPROPRIATE FOR INSTALLATION LOCATION. LID SHALL BE LABELED "ELECTRICAL" OR "COMM" ACCORDING TO USE.
	SMOKE FIRE DAMPER
	DUCT MOUNTED SMOKE DETECTOR
	THERMOSTAT SUPPLIED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL STUB 3/4" C.O. 6" ABOVE CEILING SPACE, PROVIDE BUSHING AND PULL WIRE. IF INSTALLED IN AREA WITH EXPOSED STRUCTURE ABOVE OR HARDBOARD CEILING, PROVIDE 3/4" C.O. BACK TO ASSOCIATED HVAC UNIT. REFER TO MECHANICAL DETAILS FOR T-SHIRT MOUNTING HEIGHT REQUIREMENTS.
	MOLDED CASE CIRCUIT BREAKER
	UTILITY COMPANY PULL SECTION LUGS
	GROUNDING CONNECTION TO MAIN BUILDING GROUND SYSTEM U.O.N.
	GROUNDING CONNECTION AT SWITCHGEAR/DISTRIBUTION BOARD WITH NEUTRAL BONDING.
	IN-LINE UTILITY COMPANY METER

LIGHTING LEGEND AND SYMBOLS

SYMBOL	DESCRIPTION
	LED PARKING LOT LIGHT FIXTURE. FN INDICATES LUMINAIRE TYPE - REFER TO LUMINAIRE SCHEDULE, TYPICAL. SUBSCRIPT 2ab REFERS TO CIRCUIT AND SWITCH LEG 'a' AND 'b'.
	LED POST TOP WALKWAY LIGHT FIXTURE. FN INDICATES LUMINAIRE TYPE - REFER TO LUMINAIRE SCHEDULE, TYPICAL. SUBSCRIPT 2ab REFERS TO CIRCUIT AND SWITCH LEG 'a' AND 'b'.

APPLICABLE CODES

- 2013 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
- 2013 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (IBC WITH AMENDMENTS)
- 2013 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (NEC WITH AMENDMENTS)
- 2013 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (UMC WITH AMENDMENTS)
- 2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (UPC WITH AMENDMENTS)
- 2013 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (IFC WITH AMENDMENTS)
- 2013 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
- 2013 TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- 2013 CALIFORNIA ENERGY CODE (PART 6, TITLE 24 C.C.R.)
- 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSG), PART 11, TITLE 24 C.C.R.

NOTE TO CONTRACTOR

DO NOT SCALE DRAWINGS
 CONTRACTOR SHALL VERIFY PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.

SHEET INDEX

SHEET NUMBER	SHEET TITLE
E-0.1	ELECTRICAL LEGENDS & NOTES
E-0.2	LUMINAIRE SCHEDULE & SINGLE LINE DIAGRAM
E-0.3	ENERGY COMPLIANCE FORMS
E-1.1	ELECTRICAL SITE PLAN
E-1.2	PHOTOMETRIC SITE PLAN
E-2.1	ELECTRICAL DETAILS
E-3.1	ELECTRICAL SPECIFICATIONS

POWER LEGEND AND SYMBOLS

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS) MOUNTED +15" A.F.F. TO BOTTOM OF DEVICE U.O.N.
	DOUBLE DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS) MOUNTED +15" A.F.F. TO BOTTOM OF DEVICE U.O.N.
	DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS, GFCI TYPE) MOUNTED +15" A.F.F. TO BOTTOM OF DEVICE U.O.N.
	DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS) WITH MOUNTING HEIGHT HORIZONTALLY ABOVE COUNTER TOP PER ARCHITECTURAL PLANS OR APPROVAL.
	DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS, GFCI TYPE) WITH MOUNTING HEIGHT HORIZONTALLY ABOVE COUNTER TOP PER ARCHITECTURAL PLANS OR APPROVAL.
	WEATHERPROOF DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS) MOUNTED +15" A.F.F. TO BOTTOM OF DEVICE U.O.N.
	SIMPLEX RECEPTACLE OUTLET ON DEDICATED CIRCUIT. (20 AMPS, 125 VOLTS) MOUNTED +15" A.F.F. TO BOTTOM OF DEVICE U.O.N.
	DUPLEX RECEPTACLE OUTLET ON DEDICATED CIRCUIT. (20 AMPS, 125 VOLTS) MOUNTED +15" A.F.F. TO BOTTOM OF DEVICE U.O.N.
	DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS) MOUNTED +15" A.F.F. TO BOTTOM OF DEVICE U.O.N.
	SURFACE MOUNTED DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS) MOUNTED +15" A.F.F. TO BOTTOM OF DEVICE U.O.N.
	RECESSED CEILING MOUNTED DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS) U.O.N.
	ABOVE CEILING, CONCEALED, JUNCTION BOX, WITH COVER, PER NATIONAL ELECTRICAL CODE (NEC) TABLE 314.16(A)(1), 4" SQUARE DEEP, WITH PLASTER RING.
	RECESSED WALL MOUNTED JUNCTION BOX, WITH COVER, PER NATIONAL ELECTRICAL CODE (NEC) TABLE 314.16(A)(1), 4" SQUARE DEEP, WITH PLASTER RING.
	DUPLEX RECEPTACLE, FLUSH IN FLOOR, WATERTIGHT JUNCTION BOX (HINGED BRASS COVER: 20 AMP, 120 VOLT, 2-POLE, 3-WIRE) U.O.N.
	DOUBLE DUPLEX RECEPTACLE, FLUSH IN FLOOR, WATERTIGHT JUNCTION BOX (20 AMP, 120 VOLT, 2-POLE, 3-WIRE) U.O.N.
	JUNCTION BOX, FLUSH IN FLOOR, WATERTIGHT (HINGED BRASS COVER: 20 AMP, 120 VOLT, 2-POLE, 3-WIRE) U.O.N.
	SPECIALTY OUTLET. VERIFY NEMA CONFIGURATION AS NOTED ON PLANS.
	BRANCH PANELBOARD, WALL MOUNTED, SEE PLANS AND SCHEDULE. (SURFACE MOUNTED)
	BRANCH PANELBOARD, WALL MOUNTED, SEE PLANS AND SCHEDULE. (RECESSED MOUNTED)
	MAIN SWITCHBOARD, POWER OR LIGHT, FLOOR STANDING ENCLOSURE, (SEE SINGLE LINE DIAGRAM AND LOAD SUMMARY)
	DISCONNECT SWITCH H.P. RATED 600 VOLTS RATED. "F" INDICATES FUSE TYPE. FUSES PER APPROVED MANUFACTURERS SHOP DRAWINGS.
	MAGNETIC MOTOR STARTER H.P. RATED (NUMBER INDICATES NEMA SIZE)
	MOUNTING HEIGHT FROM FINISHED FLOOR TO BOTTOM LINE OF OUTLET OR EQUIPMENT. FOR LIGHT FIXTURES, IT IS TO BOTTOM OF FIXTURE.
	CONDUIT TURNED DOWN
	CONDUIT TURNED UP
	CONDUIT STUBBED AND CAPPED
	RACEWAY CONCEALED IN WALLS OR ABOVE CEILING
	CONDUIT CONCEALED IN OR UNDER FLOOR: OR UNDERGROUND (CONFIRM DEPTH, GRADE TO DRAIN INTO PULL BOXES)
	DETAIL REFERENCE
	EQUIPMENT REFERENCE
	EXISTING CONDUIT AND WIRING TO REMAIN
	PULL-OUT WIRES AND ABANDON CONDUIT. CUT AND CAPPED FLUSH WALL OR SLAB.
	EXISTING CONDUIT TO REMAIN
	EXISTING CONDUIT AND WIRE TO BE REMOVED
	ELECTRICAL UTILITY PRIMARY
	ELECTRICAL UTILITY SECONDARY
	UTILITY TELEPHONE
	TEMPORARY OVERHEAD CABLING
	HOMERUN TO CIRCUITS #1 AND #3 IN PANEL "A". (CROSSMARKS INDICATE NUMBER OF PHASES AND NEUTRAL. PROVIDE GROUND WIRE.)
	3/4" CONDUIT WITH 2 #12 & 1 #12 GND WIRES
	3/4" CONDUIT WITH 3 #12 & 1 #12 GND WIRES
	3/4" CONDUIT WITH 4 #12 & 1 #12 GND WIRES
	3/4" CONDUIT WITH 5 #12 & 1 #12 GND WIRES
	3/4" CONDUIT WITH 2 #10 & 1 #10 GND WIRES (#10 INDICATING WIRE SIZE)
	3/4" CONDUIT WITH 3 #10 & 1 #10 GND WIRES (#10 INDICATING WIRE SIZE)
	3/4" CONDUIT WITH 4 #10 & 1 #10 GND WIRES (#10 INDICATING WIRE SIZE)
	3/4" CONDUIT WITH 5 #10 & 1 #10 GND WIRES (#10 INDICATING WIRE SIZE)
	1" CONDUIT WITH 6 #10 & 1 #10 GND WIRES (#10 INDICATING WIRE SIZE)
	GROUND WELL
	EXISTING (DASH INDICATES ELECTRICAL EQUIPMENT)



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#	REVISIONS	DATE	APP.

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 RANCHO MIRAGE, CA 92270
 760-770-3224

PREPARED UNDER THE DIRECT SUPERVISION OF:
LEONARD P. MAYA, SENIOR ELECTRICAL ENGINEER DATE: **6-30-2017**
 R.C.E. E19480, EXP. 6-30-2017
 GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
BRETT L. ANDERSON, PRINCIPAL ENGINEER DATE: **9/30/16**
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RECOMMENDED FOR APPROVAL BY:
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 R.C.E. 53613, EXP. 6/30/2017
 APPROVED BY CITY OF RANCHO MIRAGE:
WILLIAM A. ENOS, CITY ENGINEER DATE: **6/30/2017**
 R.C.E. 43910, EXP. 6/30/2017

CITY OF RANCHO MIRAGE

SHEET TITLE: **ELECTRICAL LEGENDS & NOTES**
 PROJECT: **RANCHO MIRAGE DOG PARK**
 DESCRIPTION: **C.P. 14-311**

SHEET NO. **27**
 OF **33**

PRIVATE REFERENCE # **150109**
 CITY REFERENCE # **E1500165**

SITE ADDRESS: **34-100 KEY LARGO AVENUE**
 LEGAL DESCRIPTION: **A PORTION OF THE NE CORNER OF**
 SEC. 30, T. 4, S. 1, R. 6, E., S.B.B. & M. A.P.N. 685-090-011

LUMINAIRE SCHEDULE

TYPE	VOLTS	WATTS/LUMENS	LAMPS	MOUNTING	FIXTURE DESCRIPTION	MANU.	CATALOG #	NOTES	SYMBOL
P1	240	90/8000 lm	90W LED 5000K	POLETOP	POLE TOP LED PARKING LOT LIGHT FIXTURE. MOUNTED 18' A.F.G. CONFIRM COLOR OF FINISH WITH OWNER PRIOR TO ORDERING.	BEACON	VP-S-30NB-90-5K-T3 UNV-PO-7L-MOD-RA-BC POLE-SH04-S-18-4P-**-**	FINISH TO BE TIGER DRYLAC. EXTERIOR POWDER COAT 'RAL8007'. PROVIDE WITH DIMMING PHOTOCELL & MOTION SENSOR	□
S1	240	55/3300 lm	55W LED 5000K	POLETOP	POLE TOP LED WALKWAY LIGHT FIXTURE. MOUNTED 14' A.F.G. CONFIRM COLOR OF FINISH WITH OWNER PRIOR TO ORDERING.	BEACON	SLD-NL-24NB-55-5K-UNV 13-REC-FL1-F75-BC-**-** POLE-SH04-S-12-4G-0T-**-**	FINISH TO BE TIGER DRYLAC. EXTERIOR POWDER COAT 'RAL8007'. PROVIDE WITH DIMMING PHOTOCELL & MOTION SENSOR	○
S2	240	25/2129lm	25W LED 5000K	POLETOP	LED FLOOD LIGHT FIXTURE MOUNTED AT 16' A.F.G. CONFIRM COLOR OF FINISH WITH OWNER PRIOR TO ORDERING.	BEACON	ARFI-K-10L 5K-070-W-U-**-**PC	FINISH TO BE TIGER DRYLAC. EXTERIOR POWDER COAT 'RAL8007'. PROVIDE WITH PHOTOCELL	◁

EQUALS SHALL BE CONSIDERED UPON SUBMITTAL REVIEW AND APPROVAL. PLEASE NOTE THAT IF AN ALTERNATE IS CONSIDERED:

- THE CONTRACTOR IS COMPLETELY AND SOLELY RESPONSIBLE FOR ALL ASPECTS OF THE SUBSTITUTION INCLUDING UPDATING CONSTRUCTION DOCUMENTS, OBTAINING APPROVALS AND PERMITS FROM LOCAL AUTHORITY, AND COORDINATING WITH ALL TRADES TO ENSURE CHANGES TO AFFECTED BUILDING SYSTEM ARE ACCOUNTED FOR AND ACCEPTABLE TO THE ENGINEERING TEAM. CONTRACTOR SHALL ENSURE SUBSTITUTED EQUIPMENT MEETS OR EXCEEDS DESIGN INTENT REGARDING RATINGS, PERFORMANCE, DIMENSIONAL CLEARANCES, PHYSICAL DIMENSIONS (MAX/MIN), WEIGHT LIMITATIONS, AND OTHER ASPECTS, PROVING SUBSTITUTION IS SUITABLE TO THE APPLICATION. ENGINEERS WILL REVIEW THE RATING AND PERFORMANCE OF SUBSTITUTED EQUIPMENT ONLY AND WILL NOT ASSUME RESPONSIBILITY FOR SUBSTITUTION AT ANY LEVEL.
- IF CONTRACTOR CANNOT MAKE SUBSTITUTED EQUIPMENT WORK IN THIS PROJECT, CONTRACTOR SHALL REVERT TO REQUIREMENTS OF PERMITTED CONSTRUCTION DOCUMENTS AT THEIR EXPENSE.
- IT IS UNDERSTOOD BY ALL PARTIES THAT ANY SUBSTITUTIONS OF SPECIFIED PRODUCTS ARE DONE FOR THE PURPOSE OF COST SAVINGS TO THE OWNER. THEREFORE, ANY MATERIAL SUBSTITUTION OR DEVIATIONS PROPOSED BY THE CONTRACTOR SHALL BE INCLUDED WITH THE INITIAL BID AND SHALL SHOW A LINE ITEMS CREDIT TO THE OWNER FOR EACH SUBSTITUTION IN LIEU OF SPECIFIED PRODUCTS.

LUMINAIRE SCHEDULE NOTES

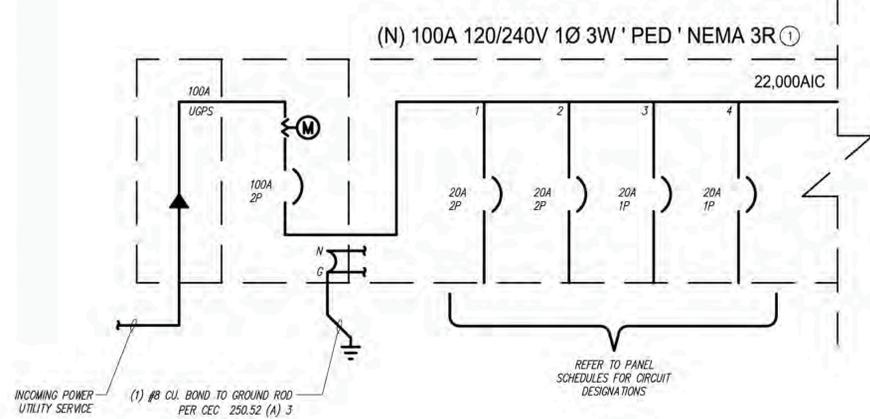
- THE FIXTURE SCHEDULE INDICATES GENERAL DESCRIPTION OF LIGHTING FIXTURES AND MANUFACTURERS CATALOG NUMBERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE CORRECT CEILING CONFIGURATION AND PROVIDE THE FIXTURES WITH ALL NECESSARY TRIMS AND MOUNTING HARDWARE SO THAT BOTH THE CEILING SYSTEM AND THE FIXTURE CONSTRUCTION MATCHES. PROVIDE SEISMIC HANGERS AS REQUIRED.
- IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATION OF ALL LIGHTING FIXTURES.
- PROVIDE ALL REQUIRED MOUNTING HARDWARE ANCHORAGE AND SUPPORTS TO INSTALL LIGHTING FIXTURES.
- THE CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERABLE LIGHTING SYSTEM AS PART OF THIS BUILDING CONTRACT.
- LED LIGHT FIXTURES SHALL BE IN ACCORDANCE WITH IES, NFPA, UL, AS SHOWN ON THE DRAWINGS, AND AS SPECIFIED.
- LED LIGHT FIXTURES SHALL BE REDUCTION OF HAZARDOUS SUBSTANCES (ROHS)-COMPLIANT.
- LED DRIVERS SHALL INCLUDE THE FOLLOWING FEATURES UNLESS OTHERWISE INDICATED:
 - MINIMUM EFFICIENCY: 85% AT FULL LOAD.
 - MINIMUM OPERATING AMBIENT TEMPERATURE: -20 DEG C (-4 DEG F.)
 - INPUT VOLTAGE: 120 - 277V (+10%) AT 60 HZ.
 - INTEGRAL SHORT CIRCUIT, OPEN CIRCUIT, AND OVERLOAD PROTECTION.
 - POWER FACTOR: >=0.95.
 - TOTAL HARMONIC DISTORTION: <=20%
 - COMPLY WITH FCC 47 CFR PART 15.
- LED MODULES SHALL INCLUDE THE FOLLOWING FEATURES UNLESS OTHERWISE INDICATED:
 - COMPLY WITH IES LM-79 AND LM-80 REQUIREMENTS.
 - MINIMUM CR, BI AND COLOR TEMPERATURE 4000K UNLESS OTHERWISE SPECIFIED IN LUMINAIRE SCHEDULE.
 - MINIMUM RATED LIFE: 50,000 HOURS PER IES L70.
 - LIGHT OUTPUT LUMENS AS INDICATED IN THE LUMINAIRE SCHEDULE.

GENERAL NOTES

- REFER TO 'GENERAL NOTES' ON ELECTRICAL LEGENDS AND NOTES SHEET FOR WIRING METHODS, MATERIALS, AND REQUIREMENTS.
- ALL CIRCUIT BREAKERS, PANELBOARDS AND TRANSFORMERS SHALL BE OF THE SAME MANUFACTURER.
- ALL GROUND CONNECTIONS SHALL BE CADWELD.
- AVAILABLE FAULT AT SERVICE POINT SHALL BE CONSIDERED AT 22,000 RMS SYM.
- CONTRACTOR SHALL CREATE A NEW TYPED DIRECTORY, IDENTIFYING EACH CIRCUIT AND INSTALLED CIRCUIT LOADS, MOUNTED IN GLASS OR PLASTIC INSIDE DOOR. USE A COMPUTER OR TYPEWRITER TO CREATE DIRECTORY; HANDWRITTEN DIRECTORIES ARE NOT ACCEPTABLE.

CONSTRUCTION NOTES

- PROVIDE NEW METERED PEDESTAL IN NEMA 3R ENCLOSURE.



SINGLE LINE DIAGRAM

1

- EACH WALKWAY AND PARKING LOT FIXTURE IS TO BE PROVIDED WITH INTEGRAL DIMMING PHOTOCELL AND MOTION SENSOR.
- ALL LIGHT FIXTURES ARE TO COME ON 30 MINUTES BEFORE DUSK AND SHUT OFF 30 MINUTES AFTER DAWN.
- ALL FIXTURES ARE TO COME ON AT 100%.
- WHEN NO MOTION IS DETECTED FOR 30 MINUTES, THE FIXTURE IS TO DIM TO 50% ONCE MOTION IS DETECTED, THE FIXTURE IS TO COME BACK UP TO 100% AND STAY AT FULL LIGHT OUTPUT UNTIL 30 MINUTES AFTER MOTION IS LAST DETECTED.
- ALL TIMES AND DURATIONS MENTIONED ABOVE ARE TO BE COORDINATED WITH CITY PRIOR TO FINAL LIGHT FIXTURE COMMISSIONING.
- CONTRACTOR IS TO PROVIDE ALL COMMISSIONING TOOLS AND SOFTWARE TO CITY UPON COMPLETION OF WORK AND FINAL ACCEPTANCE.
- CONTRACTOR IS TO PROVIDE 8 HOURS OF TRAINING FOR CITY UN LIGHTING CONTROLS AND SOFTWARE.
- CONTROL OF FIXTURES IS TO BE DONE VIA WIRELESS CONTROLS. CONTRACTOR IS TO ORDER FIXTURES WITH EMBEDDED CONTROLS AND WIRELESS CONTROLLER.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL COMMISSIONING FOR FIXTURES PRIOR TO TURNING THE JOB OVER TO CITY.

CONTROLS SEQUENCE

3

RUN #	QTY	VOLTS	PHASE	VA FIXT	AMPS	WIRE SIZE	RES.	DIST.	VOLT DROP	%
PEDESTAL - 1	16	240	1	55	3.67	#10	1.2000	80	0.70	0.29
1 - 2	9	240	1	55	2.06	#10	1.2000	80	0.40	0.17
2 - 3	8	240	1	55	1.83	#10	1.2000	60	0.26	0.11
3 - 4	6	240	1	55	1.38	#10	1.2000	50	0.17	0.07
4 - 5	5	240	1	55	1.15	#10	1.2000	70	0.19	0.08
5 - 6	4	240	1	55	0.92	#10	1.2000	90	0.20	0.08
6 - 7	3	240	1	55	0.69	#10	1.2000	80	0.13	0.06
7 - 8	2	240	1	55	0.46	#10	1.2000	70	0.08	0.03
8 - 9	1	240	1	55	0.23	#10	1.2000	80	0.04	0.02
TOTALS								660	2.17	0.91

RUN #	QTY	VOLTS	PHASE	VA FIXT	AMPS	WIRE SIZE	RES.	DIST.	VOLT DROP	%
PEDESTAL - 1	5	240	1	90	1.88	#10	1.2000	200	0.90	0.38
1 - 2	3	240	1	90	1.13	#10	1.2000	90	0.24	0.10
2 - 3	1	240	1	90	0.38	#10	1.2000	90	0.08	0.03
TOTALS								380	1.22	0.51

VOLTAGE DROP CALCULATIONS

4

MOUNTING: SELF STANDING		FED FROM: UTILITY		NEMA: 3R		AIC RATING: 22,000 AIC		LOCATION: SEE SITE PLAN		VOLTAGE: 120/240V 1PH 3W		BUS: 100A		FEEDER: UTILITY	
NOTE	DESCRIPTION	A	B	TYPE	POLE	AMP	PHASE	AMP	POLE	TYPE	A	B	DESCRIPTION	NOTE	
	PEDESTAL RECEPTACLE	360		R	1	20	1	A	-	2	20	2	L	468	WALKWAY LIGHTING
	IRRIGATION CONTROLLER		500	N	1	20	3	-	B	-	4	-	-	L	468
	SPACE					5	A	-	6	20	2	L	275	PARKING LOT LIGHTING	
	SPACE					7	-	B	-	8	-	-	L	275	
	SPACE					9	A	-	10					SPACE	
	SPACE					11	-	B	-	12				SPACE	
	SUBTOTALS	360	500								743	743			
	DEMAND FACTORS:	CONNECTED	DEMAND	DEMAND	DEMAND	SUBTOTALS:		PHASE	NOTES:						
	LOAD TYPE	VA	FACTOR	VA	AMPS	1103	VA	A							
	(L) LIGHTING	1485	1.25	1856	8	1243	VA	B							
	(R) RECEPTACLE	360	NEC 220.44	360	2										
	(M) MOTOR	0	1.25	0	0	2345	VA	TOTAL							
	LARGEST MOTOR		0.25	0	0	10	AMPS								
	(C) CONTINUOUS	0	1.25	0	0										
	(N) NON-CONTINUOUS	500	1.00	500	2										
	(K) KITCHEN (NEC 220.56)	0	0.65	0	0										
	(S) SPECIAL DEMAND	0	1.00	0	0										
	TOTALS	2345		2716											
	TOTAL AMPS CONNECTED AT 120/240V 1PH 3W WITH LCL			11	A										

PANEL SCHEDULE

2

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PREPARED UNDER THE DIRECT SUPERVISION OF:

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BRETT L. ANDERSON, PRINCIPAL ENGINEER DATE _____
R.C.E. C45389, EXP. 9/30/16

RECOMMENDED FOR APPROVAL BY:

MARK W. SAMBITO DATE _____
R.C.E. 53613, EXP. 6/30/2017

APPROVED BY CITY OF RANCHO MIRAGE:

WILLIAM A. ENOS, CITY ENGINEER DATE _____
R.C.E. 43910, EXP. 6/30/2017

CITY OF RANCHO MIRAGE

SHEET TITLE: LUMINAIRE SCHEDULE & SINGLE LINE DIAGRAM
PROJECT: RANCHO MIRAGE DOG PARK
DESCRIPTION: C.P. 14-311
SITE ADDRESS: 34-100 KEY LARGO AVENUE
LEGAL DESCRIPTION: A PORTION OF THE NE CORNER OF
SEC. 30, T. 4, S. 1, R. 6, E., S.B.B. & M. A.P.N. 685-090-011

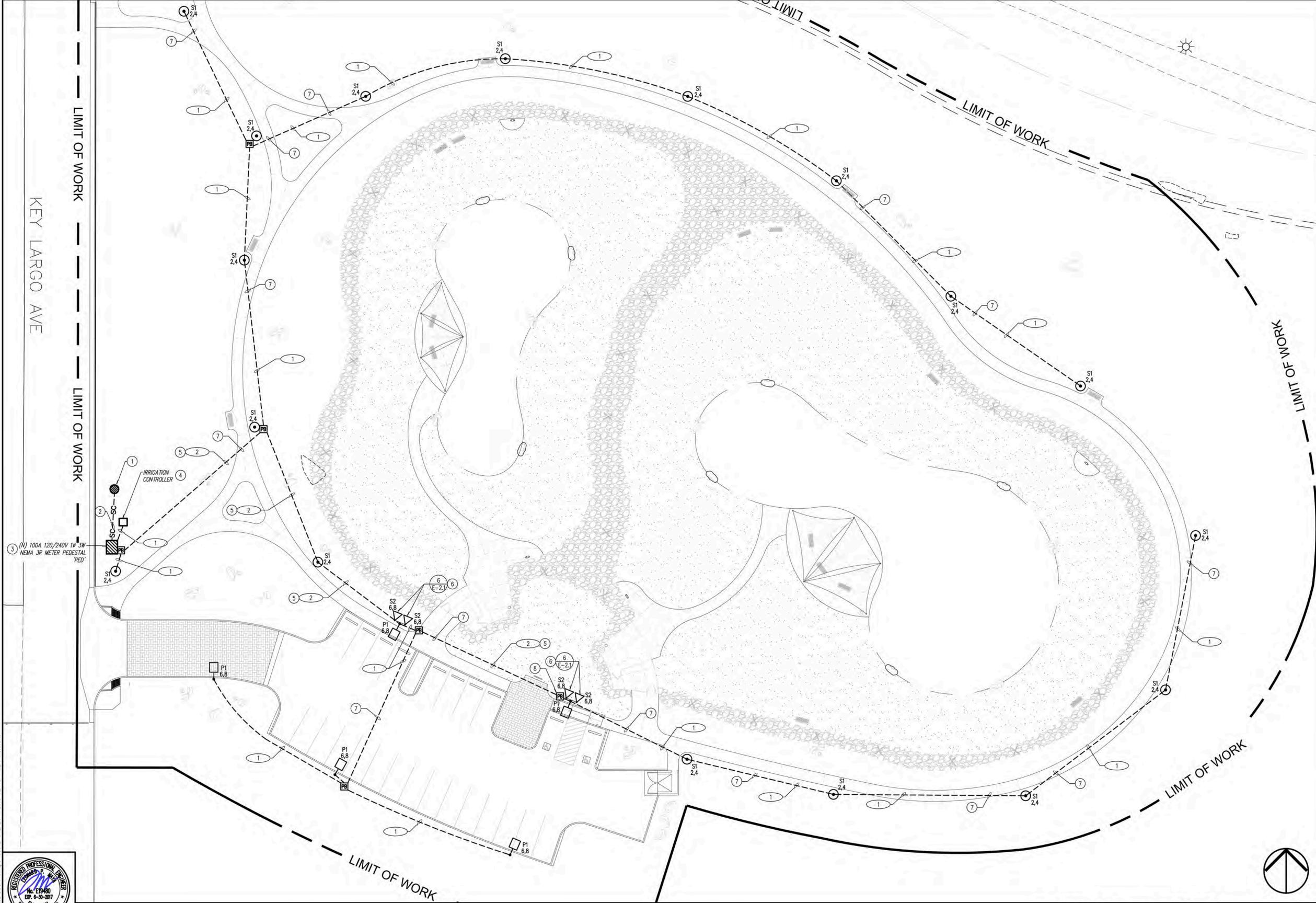
SHEET 28 OF 33

PRIVATE REFERENCE # 150109

CITY REFERENCE # E1500165

A: PROJECT 201515-083 RANCHO MIRAGE DOG PARK 15-083 E-SD - 2015-12-15 - JEFF MORNING





GENERAL NOTES

1. ALL UTILITY SERVICES SHALL BE INSTALLED PER THE UTILITY COMPANY REQUIREMENTS. VERIFY FINAL CONSTRUCTION REQUIREMENTS WITH UTILITY COMPANY SERVICE PLANNERS.
2. THE CONTRACTOR SHALL INSPECT AND VERIFY ALL FIELD CONDITIONS PRIOR TO INSTALLATION OF UTILITY SERVICES.
3. COORDINATE TRENCH ROUTING AND EQUIPMENT LOCATIONS WITH EXISTING CONDITIONS AND NEW WORK.
4. UTILITY SERVICE INFORMATION SHOWN IS FOR BIDDING PURPOSES ONLY. ACTUAL CONSTRUCTION DOCUMENTS SHALL BE OBTAINED FROM THE APPROPRIATE UTILITY COMPANY REPRESENTATIVE.
5. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY REPRESENTATIVE TO ESTABLISH PRE-CONSTRUCTION COORDINATION, OBTAIN ALL NECESSARY METERS AND/OR APPROVALS, AND SCHEDULE UTILITY WORK TO COORDINATE WITH THE CONSTRUCTION SCHEDULE.
6. ALL SITE BRANCH CIRCUIT WIRING SHALL BE #10 AWG. OR LARGER.
7. ALL POWER UTILITY WORK SHALL BE IN COMPLIANCE WITH THESE DRAWINGS AND THE REQUIREMENTS OF THE SERVING UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE SERVING UTILITY TO RECEIVE COMPLETE INFORMATION ON THEIR REQUIREMENTS PRIOR TO THE SUBMISSION OF THE BID. THE ACT OF SUBMITTING THE BID SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO INSTALL SERVICE IN COMPLIANCE WITH THE SERVING UTILITY AND THE CONTRACT DOCUMENTS.
8. ALL SITE UNDERGROUND CONDUIT TO BE 1" MIN.
9. CONTACT INFORMATION FOR UTILITY COMPANIES ARE AS FOLLOWS:
 POWER
 SCE
 DERRICK ZIETZ
 LOCAL PLANNING - PALM SPRINGS
 OFFICE: (760)-202-4229
 CELL: (760)-669-6142

CONSTRUCTION NOTES

1. UTILITY POINT OF CONNECTION AT EXISTING UTILITY POLE. COORDINATE EXACT LOCATION, QUANTITY OF CONDUITS, BOXES, ELBOWS AND STRUCTURES WITH UTILITY COMPANY PRIOR TO START OF WORK.
2. PROVIDE (1) 4" SERVICE LATERAL CONDUIT TO SWITCHGEAR PER ELECTRICAL UTILITY REQUIREMENTS. UTILITY COMPANY TO PROVIDE ROUTING, SIZES OF CONDUIT, AND BURIAL DEPTH OF SERVICE LATERAL. REPAIR OR REPLACE ANY CUT OR DAMAGED ASPHALT AT OWN EXPENSE. REPAIR OR REPLACEMENT OF ASPHALT TO BE DONE PER CITY STANDARDS.
3. PROVIDE METER PEDESTAL WITH CUSTOMER COMPARTMENT IN NEMA 3R ENCLOSURE. PEDESTAL TO FACE EAST. COORDINATE EXACT LOCATION OF PEDESTAL WITH CITY AND UTILITY COMPANY PRIOR TO INSTALLATION AND START OF WORK.
4. 120V POWER TO IRRIGATION CONTROLLER. VERIFY EXACT LOCATION WITH LANDSCAPE DESIGNER PRIOR TO ROUGH-IN.
5. PROVIDE (1) 2" C.O. FOR FUTURE RESTROOM.
6. FIXTURE(S) REQUIRE NIGHT TIME AMING.
7. PROVIDE CONDUIT IN 2" SLEEVE WHEN CONDUIT IS TO BE ROUTED UNDER SIDEWALK/HARDSCAPE.
8. STUB 2" CONDUIT IN PULLBOX FOR FUTURE RESTROOM BUILDING.

CONDUCTOR SCHEDULE

RUN #	QTY/ CONDUCTORS	GROUND	CONDUIT SIZE	% FILL
1	2 #10	1 #10	1"	6.42%
2	4 #10	1 #10	1"	10.70%

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 MARK W. SAMBITO DATE: R.C.E. 53613, EXP. 6/30/2017
 APPROVED BY CITY OF RANCHO MIRAGE:
 WILLIAM A. ENOS, CITY ENGINEER DATE: R.C.E. 43910, EXP. 6/30/2017

CITY OF RANCHO MIRAGE

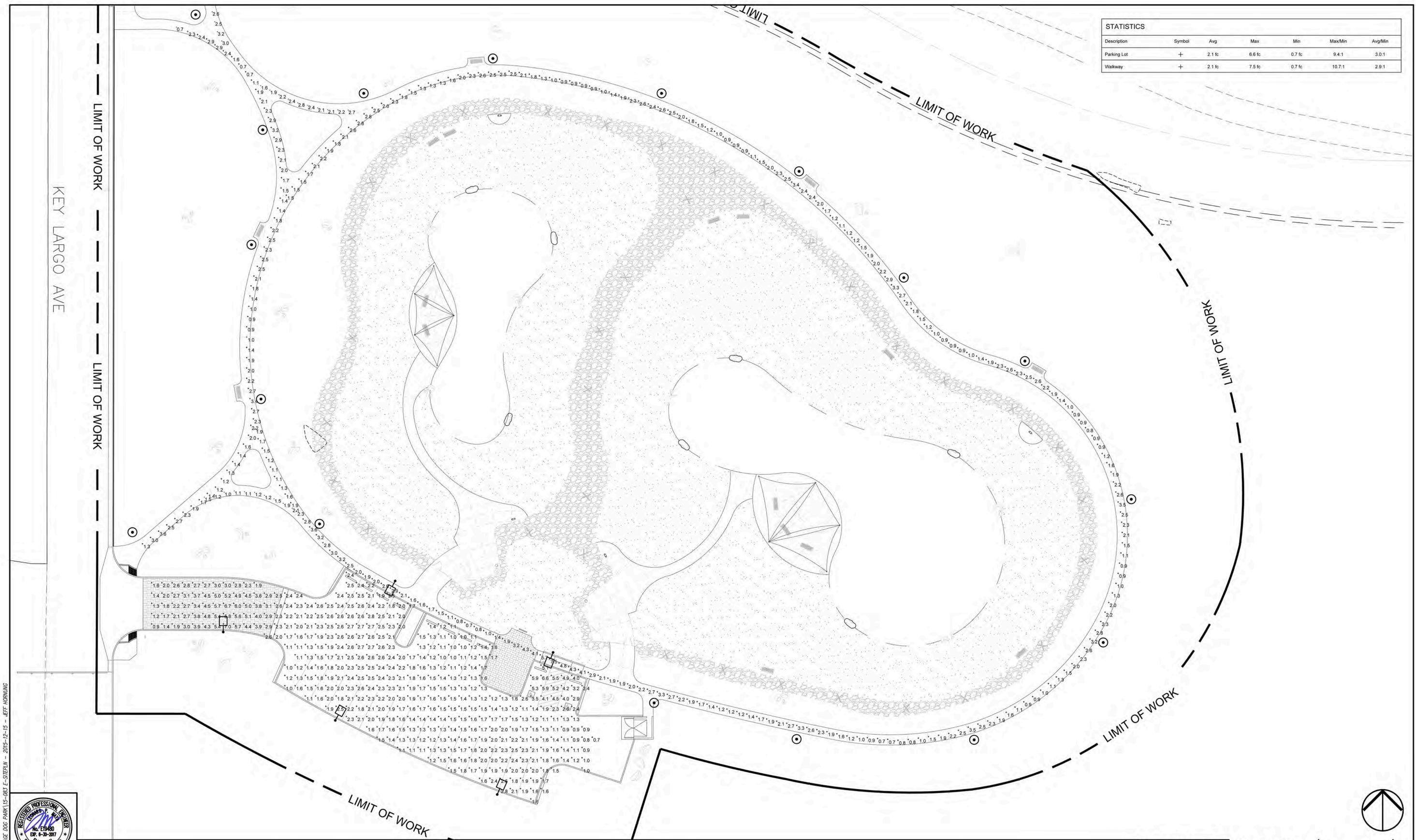
SHEET TITLE: ELECTRICAL SITE PLAN
 PROJECT: RANCHO MIRAGE DOG PARK
 DESCRIPTION: C.P. 14-311
 SITE ADDRESS: 34-100 KEY LARGO AVENUE
 LEGAL DESCRIPTION: A PORTION OF THE NE CORNER OF SEC. 30, T. 4, S. 6, E., S.B.B. & M. A.P.N. 685-090-011

SHEET 30 OF 33
 PRIVATE REFERENCE # 150109
 CITY REFERENCE # E1500165

PROJECT: 2015-083 RANCHO MIRAGE DOG PARK 15-083 E-STEERN - 2015-12-15 - JEFF HORNING



STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Lot	+	2.1 fc	6.6 fc	0.7 fc	9.4:1	3.0:1
Walkway	+	2.1 fc	7.5 fc	0.7 fc	10.7:1	2.9:1



PROJECT: 2015-083 RANCHO MIRAGE DOG PARK 15-083 E-STERN - 2015-12-15 - JEFF HORNUNG



IMPORTANT NOTICE CALL BEFORE YOU DIG
 UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
 ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.

#	REVISIONS	DATE	APP.

DESIGN WEST ENGINEERING
 MECHANICAL ELECTRICAL ENERGY CONSULTANTS
 275 W. Hospitality Lane, Suite #100
 San Bernardino, CA 92408
 Phone: 909.293.3700
 Fax: 909.293.3710
 Email: cadd@designwesteng.com

CITY OF RANCHO MIRAGE
 68825 HIGHWAY 111
 RANCHO MIRAGE, CA 92270
 760-770-3224

PREPARED UNDER THE DIRECT SUPERVISION OF:
LEONARD P. MAYA, SENIOR ELECTRICAL ENGINEER DATE
 R.C.E. E19480, EXP. 6-30-2017
 GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
BRETT L. ANDERSON, PRINCIPAL ENGINEER DATE
 R.C.E. C45389, EXP. 9/30/16

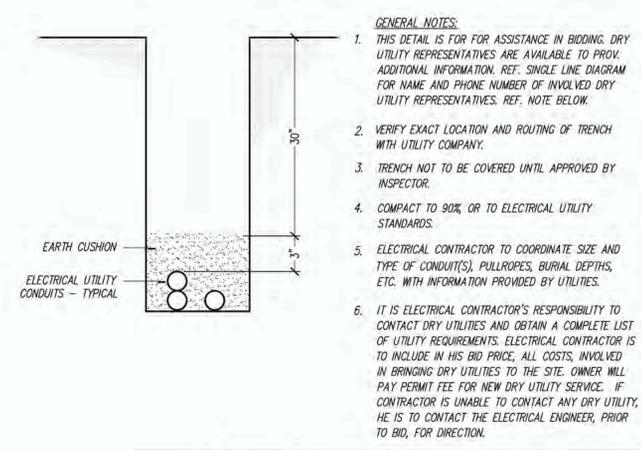
RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO DATE
 R.C.E. 53613, EXP. 6/30/2017
 APPROVED BY CITY OF RANCHO MIRAGE:
WILLIAM A. ENOS, CITY ENGINEER DATE
 R.C.E. 43910, EXP. 6/30/2017

PHOTOMETRIC SITE PLAN

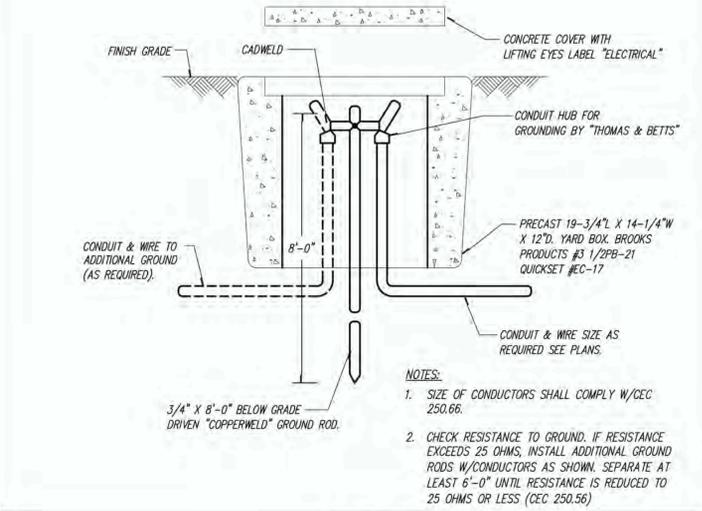
SCALE: 1" = 20'-0" | 1

CITY OF RANCHO MIRAGE

SHEET TITLE	PHOTOMETRIC SITE PLAN	SHEET	31
PROJECT	RANCHO MIRAGE DOG PARK	OF	33
DESCRIPTION	C.P. 14-311	PRIVATE REFERENCE #	150109
SITE ADDRESS	34-100 KEY LARGO AVENUE	CITY REFERENCE #	E1500165
LEGAL DESCRIPTION	A PORTION OF THE NE CORNER OF		
SEC.	30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011		



- GENERAL NOTES:**
- THIS DETAIL IS FOR ASSISTANCE IN BIDDING. DRY UTILITY REPRESENTATIVES ARE AVAILABLE TO PROVIDE ADDITIONAL INFORMATION. REF. SINGLE LINE DIAGRAM FOR NAME AND PHONE NUMBER OF INVOLVED DRY UTILITY REPRESENTATIVES. REF. NOTE BELOW.
 - VERIFY EXACT LOCATION AND ROUTING OF TRENCH WITH UTILITY COMPANY.
 - TRENCH NOT TO BE COVERED UNTIL APPROVED BY INSPECTOR.
 - COMPACT TO 90% OR TO ELECTRICAL UTILITY STANDARDS.
 - ELECTRICAL CONTRACTOR TO COORDINATE SIZE AND TYPE OF CONDUIT(S), PULLROPE(S), BURIAL DEPTHS, ETC. WITH INFORMATION PROVIDED BY UTILITIES.
 - IT IS ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO CONTACT DRY UTILITIES AND OBTAIN A COMPLETE LIST OF UTILITY REQUIREMENTS. ELECTRICAL CONTRACTOR IS TO INCLUDE IN HIS BID PRICE, ALL COSTS, INVOLVED IN BRINGING DRY UTILITIES TO THE SITE. OWNER WILL PAY PERMIT FEE FOR NEW DRY UTILITY SERVICE. IF CONTRACTOR IS UNABLE TO CONTACT ANY DRY UTILITY, HE IS TO CONTACT THE ELECTRICAL ENGINEER, PRIOR TO BID, FOR DIRECTION.



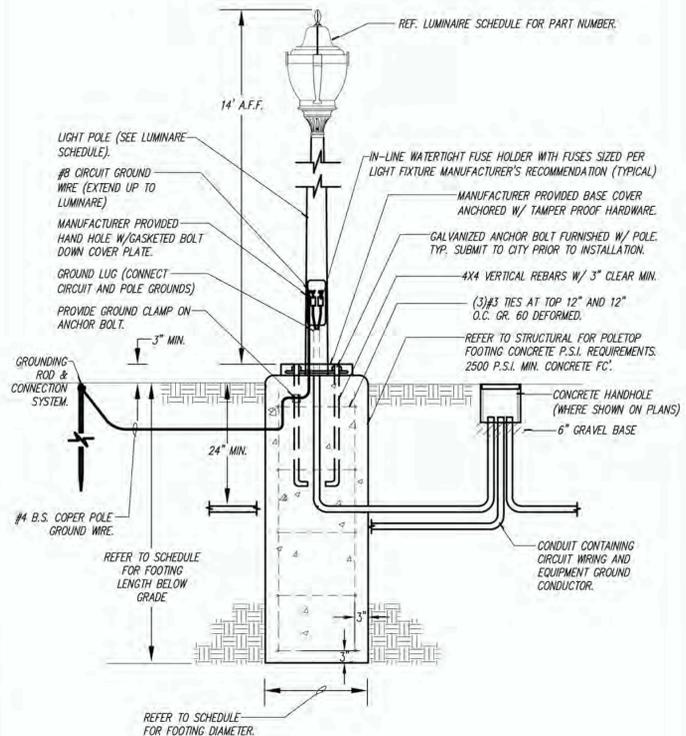
- NOTES:**
- SIZE OF CONDUCTORS SHALL COMPLY W/CEC 250.66.
 - CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS W/CONDUCTORS AS SHOWN. SEPARATE AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56)

SERVICE LATERAL TRENCH

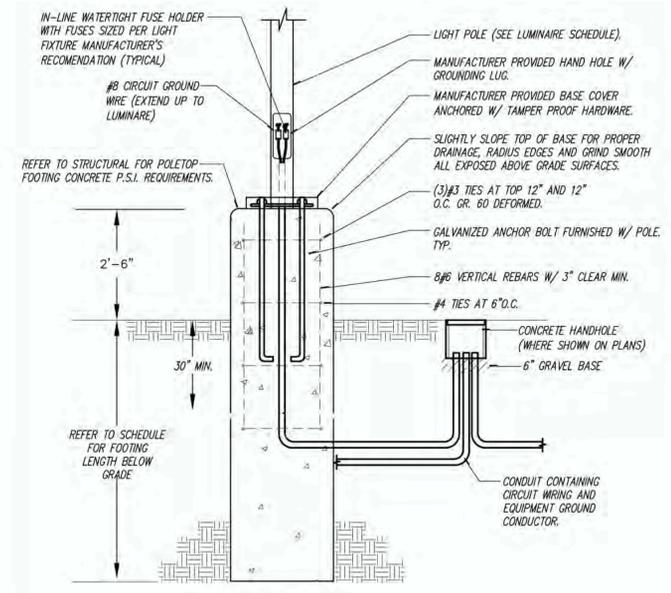
GROUND ROD DETAIL

POLETOP FOOTING SCHEDULE

POLE HEIGHT	FOOTING DEPTH BELOW GRADE	FOOTING DIAMETER
0'-0" UP TO 15'-0"	3'-0"	2'-0"



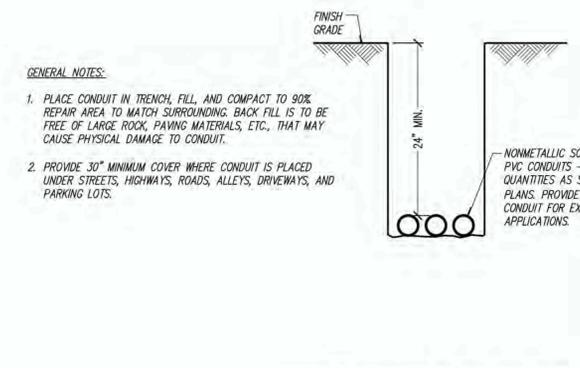
- GENERAL NOTES:**
- GROUND POLE TO GROUND CONDUCTORS IN CONDUITS.
 - REFER TO ARCHITECTURAL FOR FINAL SITE FIXTURE LOCATIONS.
 - LOCATE ALL SITE POLETOP FIXTURES SO THAT THEY LINE UP WITH THE NEAREST PARKING STRIP.
 - MANUFACTURERS RECOMMENDATIONS SHALL SUPERCEDE THIS DETAIL.



POLETOP FOOTING SCHEDULE

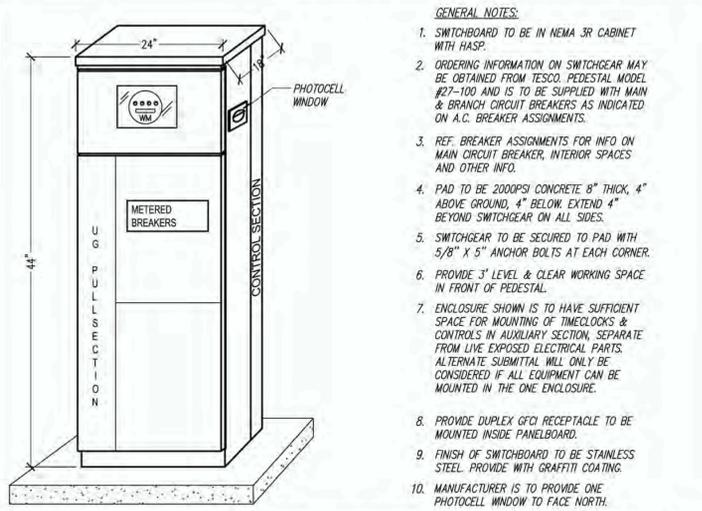
POLE HEIGHT	FOOTING DEPTH BELOW GRADE	FOOTING DIAMETER	FOOTING HEIGHT ABOVE GRADE
15'-1" UP TO 18'-0"	5'-0"	2'-0"	2'-0"

- GENERAL NOTES:**
- GROUND POLE TO GROUND CONDUCTORS IN CONDUITS.
 - REFER TO ARCHITECTURAL FOR FINAL SITE FIXTURE LOCATIONS.
 - LOCATE ALL SITE POLETOP FIXTURES SO THAT THEY LINE UP WITH THE NEAREST PARKING STRIP.
 - MANUFACTURERS RECOMMENDATIONS SHALL SUPERCEDE THIS DETAIL.



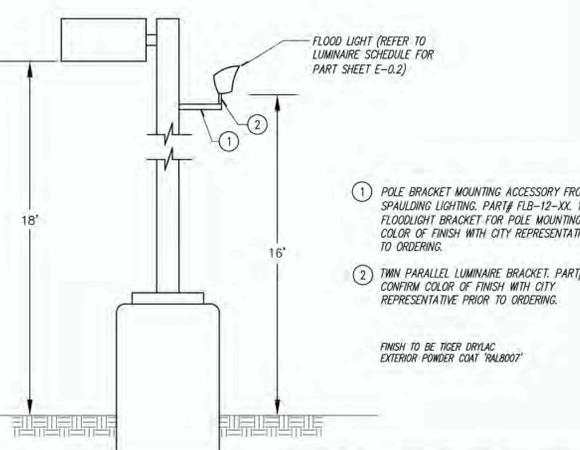
- GENERAL NOTES:**
- PLACE CONDUIT IN TRENCH, FILL AND COMPACT TO 90%. REPAIR AREA TO MATCH SURROUNDING. BACK FILL IS TO BE FREE OF LARGE ROCK, PAVING MATERIALS, ETC., THAT MAY CAUSE PHYSICAL DAMAGE TO CONDUIT.
 - PROVIDE 30" MINIMUM COVER WHERE CONDUIT IS PLACED UNDER STREETS, HIGHWAYS, ROADS, ALLEYS, DRIVEWAYS, AND PARKING LOTS.

CONDUIT BURIAL



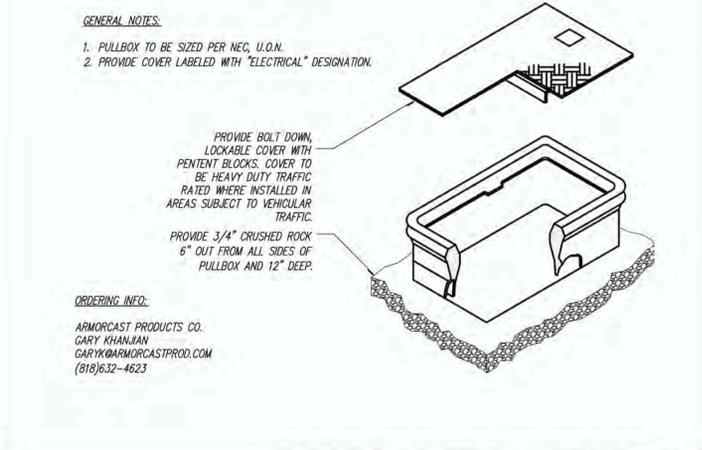
- GENERAL NOTES:**
- SWITCHBOARD TO BE IN NEMA 3R CABINET WITH HASP.
 - ORDERING INFORMATION ON SWITCHGEAR MAY BE OBTAINED FROM TESCO. PEDESTAL MODEL #27-100 AND IS TO BE SUPPLIED WITH MAIN & BRANCH CIRCUIT BREAKERS AS INDICATED ON A.C. BREAKER ASSIGNMENTS.
 - REF. BREAKER ASSIGNMENTS FOR INFO ON MAIN CIRCUIT BREAKER, INTERIOR SPACES AND OTHER INFO.
 - PAD TO BE 2000PSI CONCRETE 8" THICK, 4" ABOVE GROUND, 4" BELOW, EXTEND 4" BEYOND SWITCHGEAR ON ALL SIDES.
 - SWITCHGEAR TO BE SECURED TO PAD WITH 5/8" X 5" ANCHOR BOLTS AT EACH CORNER.
 - PROVIDE 3" LEVEL & CLEAR WORKING SPACE IN FRONT OF PEDESTAL.
 - ENCLOSURE SHOWN IS TO HAVE SUFFICIENT SPACE FOR MOUNTING OF TIMELOCKS & CONTROLS IN AUXILIARY SECTION, SEPARATE FROM LIVE EXPOSED ELECTRICAL PARTS. ALTERNATE SUBMITTAL WILL ONLY BE CONSIDERED IF ALL EQUIPMENT CAN BE MOUNTED IN THE ONE ENCLOSURE.
 - PROVIDE DUPLEX GFI RECEPTACLE TO BE MOUNTED INSIDE PANELBOARD.
 - FINISH OF SWITCHBOARD TO BE STAINLESS STEEL. PROVIDE WITH GRAFFITI COATING.
 - MANUFACTURER IS TO PROVIDE ONE PHOTOCELL WINDOW TO FACE NORTH.

METER PEDESTAL 'PED'



- POLE BRACKET MOUNTING ACCESSORY FROM SPALLING LIGHTING. PART# FLB-12-XX. 12" FLOODLIGHT BRACKET FOR POLE MOUNTING. CONFIRM COLOR OF FINISH WITH CITY REPRESENTATIVE PRIOR TO ORDERING.
 - TWIN PARALLEL LUMINAIRE BRACKET. PART# TPLB-XX. CONFIRM COLOR OF FINISH WITH CITY REPRESENTATIVE PRIOR TO ORDERING.
- FINISH TO BE TRIGER DRYLAC EXTERIOR POWDER COAT 'RAL8007'

FLOOD LIGHT FIXTURE



- GENERAL NOTES:**
- PULLBOX TO BE SIZED PER NEC, U.O.N.
 - PROVIDE COVER LABELED WITH "ELECTRICAL" DESIGNATION.
- ORDERING INFO:**
- ARMORCAST PRODUCTS CO.
GARY KHAMMAN
GARYK@ARMORCASTPROD.COM
(818)632-4623

PULLBOX INSTALLATION

FLUSH GRADE POLETOP LIGHTING - S110

ABOVE GRADE POLETOP LIGHTING - P1

FLOOD LIGHT FIXTURE

PULLBOX INSTALLATION

IMPORTANT NOTICE CALL BEFORE YOU DIG

SECTION 0216 OF THE GOVERNMENT CODE REQUIRES AN INDUSTRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT FOR THEIR PRE-EXAMINATION TO NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG

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DESIGN WEST ENGINEERING
MECHANICAL, ELECTRICAL, ENERGY CONSULTANTS

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Fax: 909.893.3710
Email: cadd@designwesteng.com

CITY OF RANCHO MIRAGE
69825 HIGHWAY 111
RANCHO MIRAGE, CA 92270
760-770-3224

PREPARED UNDER THE DIRECT SUPERVISION OF:

LEONARD P. MAYA, SENIOR ELECTRICAL ENGINEER DATE: **R.C.E. E19480, EXP. 6-30-2017**

GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:

BRETT L. ANDERSON, PRINCIPAL ENGINEER DATE: **R.C.E. C45389, EXP. 9/30/16**

RECOMMENDED FOR APPROVAL BY:

MARK W. SAMBITO DATE: **R.C.E. 53613, EXP. 6/30/2017**

APPROVED BY CITY OF RANCHO MIRAGE:

WILLIAM A. ENOS, CITY ENGINEER DATE: **R.C.E. 43910, EXP. 6/30/2017**

CITY OF RANCHO MIRAGE

SHEET TITLE: **ELECTRICAL DETAILS**

PROJECT: **RANCHO MIRAGE DOG PARK**

DESCRIPTION: **C.P. 14-311**

SITE ADDRESS: **34-100 KEY LARGO AVENUE**

LEGAL DESCRIPTION: **A PORTION OF THE NE CORNER OF SEC. 30, T. 4, S. 1, E. S.B.B. & M. A.P.N. 685-090-011**

SHEET **32** OF **33**

PRIVATE REFERENCE # **150109**

CITY REFERENCE # **E1500165**

PROJECT: 2015115-083 RANCHO MIRAGE DOG PARK 15-083 E-DETAILS - 2015-12-15 - JEFF HORNING

ELECTRICAL SPECIFICATIONS

PART 1 GENERAL

1.01 SCOPE OF WORK

A. WORK COVERED BY THIS SECTION CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, SUPPLIES, AND MATERIALS, UNLESS OTHERWISE SPECIFIED, AND IN PERFORMING ALL OPERATIONS NECESSARY FOR THE INSTALLATION OF A COMPLETE AND OPERABLE ELECTRICAL SYSTEM AS REQUIRED BY THESE SPECIFICATIONS AND AS INDICATED ON THE DRAWINGS.

B. THE CONTRACTOR SHALL EXAMINE ALL DRAWINGS AND SPECIFICATIONS IN A MANNER TO BE FULLY COGNIZANT OF ALL WORK REQUIRED UNDER THIS SECTION.

C. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS UNLESS OTHERWISE ARRANGED AND SCHEDULE ALL REQUIRED INSPECTIONS FOR THE EXECUTION OF THE WORK UNDER THIS CONTRACT.

1.02 GENERAL REQUIREMENTS

A. WORK DONE UNDER THIS SECTION SHALL COMPLY WITH THE LATEST EDITION OF THE CALIFORNIA ELECTRICAL CODE, NEC (NATIONAL ELECTRICAL CODE), THE STATE OF CALIFORNIA TITLE 24, THE STATE BUILDING STANDARDS, (OSHA) OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, AND TO ANY APPLICABLE LOCAL JURISDICTIONAL REQUIREMENTS IN CASE OF CONFLICT BETWEEN REQUIREMENT, THE MOST RESTRICTIVE SHALL APPLY.

1.03 ELECTRICAL CONTRACTOR'S RESPONSIBILITY

A. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COMPLETE SET OF DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL CHECK THE DRAWINGS OF THE OTHER TRADES AND SHALL CAREFULLY READ THE ENTIRE SPECIFICATIONS AND DETERMINE HIS RESPONSIBILITIES.

B. BEFORE SUBMITTING THE BID, THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FULLY ACQUAINT HIMSELF WITH EXISTING CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL THE EQUIPMENT AND ASSOCIATED WIRING IN SUCH A MANNER AS TO CONFORM WITH THE EXISTING STRUCTURE OF THE BUILDING, AVOID OBSTRUCTIONS, AND MEET APPLICABLE CODE REQUIREMENTS.

C. THE INTENT OF THESE DRAWINGS IS TO DESCRIBE A COMPLETE AND OPERABLE SYSTEM. WHERE EXISTING CONDITIONS DIFFER FROM DRAWINGS, ADJUSTMENT SHALL BE MADE AND ALLOWANCES INCLUDED FOR ALL NECESSARY EQUIPMENT TO COMPLETE ALL PARTS OF THE DRAWINGS AND SPECIFICATIONS. BRING ANY QUESTIONS TO THE ARCHITECT OR ENGINEER'S ATTENTION PRIOR TO BIDDING.

D. WHEREVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT, DEVICES, CIRCUIT BREAKERS, ETC., ARISES ON THE DRAWING AND/OR SPECIFICATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITION NOTED ON DRAWINGS AND/OR IN SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER AND ENGINEER.

1.04 WORK NOT INCLUDED

A. CERTAIN LABOR, MATERIALS, OR EQUIPMENT MAY BE FURNISHED UNDER OTHER CONTRACTS BY THE OWNER. WHEN SUCH IS THE CASE, THE EXTENT, SOURCE, AND DESCRIPTION OF THESE ITEMS WILL BE INDICATED ON THE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS. UNLESS OTHERWISE NOTED, ALL LABOR, MATERIALS AND EQUIPMENT FOR THE COMPLETE INSTALLATION OF THE ELECTRICAL WORK SHALL BE PROVIDED UNDER THIS SECTION OF THESE SPECIFICATIONS.

1.05 SPECIAL REQUIREMENTS

A. THE DRAWINGS INDICATE GENERAL ARRANGEMENT OF CIRCUITS, OUTLETS, LOCATIONS OF MOTOR CONTROLLERS WITH DISCONNECTS, PANELBOARDS, CONDUIT ROUTING, AND OTHER WORK. INFORMATION SHOWN ON THE DRAWINGS IS ESSENTIALLY DIAGNOSTIC; HOWEVER, REROUTING OR RELOCATING ELECTRICAL EQUIPMENT WILL NOT BE PERMITTED WITHOUT SPECIFIC WRITTEN APPROVAL OF THE ENGINEER.

1.06 SUBMITTALS

A. AFTER AWARD OF THE CONTRACT AND BEFORE ANY MATERIALS ARE DELIVERED TO THE JOB SITE, A COMPLETE LIST OF ALL MATERIALS PROPOSED TO BE FURNISHED AND INSTALLED UNDER THIS SECTION MUST BE PROVIDED.

B. SUBMIT TO THE ENGINEER FOR APPROVAL ONE PRINT AND ONE REPRODUCIBLE OF ALL LIGHTING FIXTURES, SWITCHGEAR, PANELBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, CONDUIT, CONDUCTORS, PULLBOXES, AND MOTOR STARTERS. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S PRINTED INFORMATION FOR EACH OF THESE ITEMS IDENTIFIED ON THE DRAWINGS. THE INFORMATION SHALL INCLUDE, AS MINIMUM, OVERALL DIMENSIONS, WEIGHT, PHASE, VOLTAGE RATINGS, WIRING DIAGRAMS, AND NAMEPLATE DATA.

1.07 STANDARDS AND MATERIALS

A. ALL MATERIALS SHALL CONFORM WITH THE CURRENT APPLICABLE INDUSTRY STANDARDS, NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION), ANSI (AMERICAN NATIONAL STANDARDS INSTITUTE), IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS), NATIONAL ELECTRICAL SAFETY CODE.

B. UNLESS OTHERWISE INDICATED, ALL MATERIALS SHALL BE UNDERWRITERS LABORATORIES' LISTED AND LABELED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

C. WORKMANSHIP AND NEAT APPEARANCE SHALL BE AS IMPORTANT AS THE ELECTRICAL, MECHANICAL EFFICIENCY. DEFECTIVE AND DAMAGED MATERIALS SHALL BE REPLACED OR REPAIRED PRIOR TO FINAL APPROVAL AND ACCEPTANCE. THE DRAWINGS AND SPECIFICATIONS TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT THAN CODES, STATUTES, OR ORDINANCES IN EFFECT. APPLICABLE CODES, STANDARDS, ORDINANCES, AND STATUTES TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT OR CONFLICT WITH THE DRAWINGS OR SPECIFICATIONS.

1.08 DELIVERY AND STORAGE OF MATERIALS

A. THE CONTRACTOR SHALL INVESTIGATE EACH SPACE IN THE BUILDING THROUGH WHICH EQUIPMENT MUST PASS TO REACH ITS FINAL LOCATIONS. IF NECESSARY, THE MANUFACTURER SHALL BE REQUIRED TO SHIP HIS MATERIAL IN SECTIONS, SIZED TO PERMIT PASSING THROUGH SUCH RESTRICTED AREAS IN THE BUILDING.

B. THE CONTRACTOR SHALL RETAIN IN HIS POSSESSION AND SHALL BE RESPONSIBLE FOR ALL PORTABLE AND DETACHABLE PARTS OF PORTIONS OF INSTALLATIONS SUCH AS FUSES, KEYS, ADAPTERS, BLOCKING CLIPS, AND INSERTS UNTIL FINAL COMPLETION OF WORK. THESE PARTS SHALL BE DELIVERED TO THE OWNER UPON COMPLETION OF THE WORK.

2.05 JUNCTION AND PULL BOXES

A. FOR INTERIOR DRY LOCATIONS, BOXES SHALL BE GALVANIZED ONE-PIECE DRAWN STEEL, KNOCKOUT TYPE WITH REMOVABLE, MACHINE SCREW SECURED COVERS.

B. FOR EXTERIOR WET LOCATIONS, BOXES SHALL BE NEMA 3R OR NEMA 4 RATED, GASKET MACHINE SCREW SECURED COVERS.

C. INGROUND PULLBOXES SHALL BE CONCRETE ELECTRICAL PULL BOX WITH LID APPROPRIATE FOR INSTALLATION LOCATION. SIZE PULLBOX PER NEC REQUIREMENTS.

D. ALL BOXES SHALL BE SIZED FOR THE NUMBER AND SIZES OF CONDUCTORS AND CONDUITS ENTERING THE BOX AND EQUIPPED WITH PLASTER RINGS WHERE REQUIRED.

2.08 RECEPTACLES

A. DUPLEX RECEPTACLES SHALL BE SPECIFICATION GRADE, 20 AMP, 125 VOLTS, 3-WIRE, SIDE-WIRED WITH BINDING SCREWS, PARALLEL SLOTS, U-GROUND, PLASTER EARS AND CAPTIVE MOUNTING SCREWS. BODY SHALL BE PHENOLIC, PLASTIC, OR BAKELITE. RECEPTACLES SHALL BE HEAVY-DUTY, 5-BLADE CURRENT CARRYING CONTACT AND DOUBLEWIDE FLAT BLADE GROUND CONTACTS. PROVIDE ARROW HART 5242-1 HUBBELL, 5242-1 OR LEVITON 5242-1.

B. SINGLE RECEPTACLES SHALL BE SPECIFICATION GRADE, GROUNDING TYPE, SIDE-WIRED, WITH BINDING SCREWS, AND SHALL HAVE STANDARD SIZE IVORY BAKELITE BASE. FOR CIRCUITS CONSISTING OF ONE SINGLE RECEPTACLE ONLY, AMPERE RATING OF RECEPTACLE SHALL BE THE SAME AS CIRCUIT BREAKER OR FUSE. FOR RECEPTACLES RATED 15 AMPS/125 VOLTS, PROVIDE NEMA 5-15R, ARROW-HART 5251-1. FOR RECEPTACLES RATED 20 AMPS / 125 VOLTS, PROVIDE NEMA 5-20R, ARROW-HART 5721-1, OR EQUAL.

2.09 DEVICE PLATES

1. PROVIDE PLATES FOR ALL SWITCHES, RECEPTACLES, JUNCTION BOXES, TELEPHONE AND OTHER OUTLETS.

2. PROVIDE ENGRAVED OR ETCHED PLATES FOR ALL LOCK SWITCHES, PILOT SWITCHES, SWITCHES FROM WHICH EQUIPMENT OR CIRCUIT CONTROLLED CANNOT BE READILY SEEN, THREE OR MORE SWITCHES UNDER A COMMON PLATE AND FOR SWITCHES AS INDICATED.

3. STAINLESS STEEL PLATES SHALL BE AMERICAN IRON AND STEEL INSTITUTE (AISI) TYPE 302, WITH BEVELED EDGES, 0.040" THICK WITH SATIN SMOOTH FINISH. "SMOOTHE," HUBBELL #97071 SERIES.

4. PLASTIC COVER PLATE SHALL BE HIGH IMPACT THERMOPLASTIC, HIGH STRENGTH, SCRATCH-RESISTANT, SMOOTH AND SELF-EXTINGUISHING, HUBBELL "91" SERIES OR PASS & SEYMOUR RP SERIES.

5. WHERE OUTLETS ARE INDICATED TO BE WEATHERPROOF, PROVIDE AN AISI TYPE 302 STAINLESS WITH DOUBLE HINGED COVERS, PASS & SEYMOUR #MPD-8.

6. GALVANIZED STEEL PLATES SHALL BE SQUARE OR RECTANGULAR AND HOT DIPPED GALVANIZED OR SHERARDIZED, BEVELED EDGES AND 0.040" THICK. GALVANIZED STEEL PLATES SHALL BE USED IN UTILITY AREA.

7. PROVIDE PLATES EQUIPPED WITH CLOSE FITTING OPENINGS FOR THE EXACT DEVICE TO BE USED. PROVIDE PLATES FOR TELEPHONE OUTLETS EQUIPPED WITH BUSHED OPENINGS.

8. REFER TO SECTION 3.08 FOR LABELING OF PLATES.

9. COVER PLATES ON PRESSED STEEL OUTLET BOXES IN FURRED AREAS, ATTICS, ETC., OR EXPOSED IN MECHANICAL EQUIPMENT ROOMS SHALL BE OF THE SAME MATERIAL AS THE OUTLET BOX.

10. COVER PLATES IN LOCATIONS CONCEALED FROM PUBLIC VIEW SHALL HAVE THE CIRCUIT NUMBERS AND SOURCE FEED POINT HAND LABELED WITH MARKING BLACK PEN (PERMANENT MARKER). SEE SECTION 3.08 FOR LABELING.

11. PROVIDE PLASTIC COVER PLATES UNLESS NOTED OTHERWISE.

2.10 PANELBOARDS

A. FURNISH AND INSTALL ALL BRANCH CIRCUIT PANELBOARDS AS HEREINAFTER SPECIFIED AND AS SHOWN ON THE DRAWINGS. PANELBOARDS SHALL BE OF THE DEAD FRONT SAFETY TYPE, EQUIPPED WITH THE THERMAL MAGNETIC 40°C CIRCUIT BREAKERS.

B. CIRCUIT BREAKERS SHALL BE RATED MINIMUM 10,000 AMPS RMS SYMMETRICAL INTERRUPTING CAPACITY AND SHALL BE THE NUMBER OF POLES AND CURRENT CAPACITY AS INDICATED ON THE PANEL SCHEDULE. BRANCH CIRCUIT PANELBOARDS SHALL BE SQUARE-D OR Eaton/CUTLER HAMMER WITH LUGS UL LISTED FOR USE WITH 75°C WIRE.

C. DOOR SHALL HAVE A PLASTIC COVERED DIRECTORY FRAME WITH A TYPED IDENTIFICATION CARD OR ALL CIRCUIT AND PANEL NUMBERS FOR BRANCH CIRCUIT PANELBOARDS.

D. PROVIDE NAMEPLATE FOR ALL PANELBOARDS, ENGRAVED WHITE LETTERS ON BLACK BACKGROUND INSTALL NAME PLATES ON THE TRIM ABOVE DOOR.

E. ALL WIRING SHALL BE NEATLY ARRANGED AND LACED TOGETHER.

F. ALL CIRCUIT BREAKERS USED FOR HVAC LOADS SHALL BE RATED "HACR".

G. BUS BARS SHALL BE RECTANGULAR IN CROSS SECTION CONSTRUCTED OF COPPER, NEUTRAL AND GROUND BUSES SHALL BE FULL SIZE.

2.11 EXTERIOR LIGHTING FIXTURES

A. FURNISH, INSTALL AND WIRE LIGHTING FIXTURES SCHEDULED OR INDICATED BY TYPE DESIGNATION ON THE DRAWINGS. IF TYPE DESIGNATION IS OMITTED, FIXTURES SHALL BE OF THE SAME TYPE AS SHOWN ON ELECTRICAL DRAWINGS FOR SIMILAR USAGE. VERIFY BEFORE PURCHASE AND INSTALLATION. NO ALTERNATIVE FIXTURES WILL BE ACCEPTED.

B. LOCATIONS OF FIXTURES ON ELECTRICAL DRAWINGS ARE DIAGNOSTIC. VERIFY LOCATION AND SPACING WITH LANDSCAPE/CIVIL DRAWINGS AND OTHER REFERENCE DATA BEFORE PURCHASING. REVIEW SITE CONDITIONS PRIOR TO INSTALLATION.

C. VERIFY ALL FINISHES WITH OWNER, REGARDLESS OF THE CATALOG PREFIXES AND SUFFIXES SHOWN, FURNISH FIXTURES WITH THE PROPER SUPPORTS AND OTHER MISCELLANEOUS APPURTENANCES OR PROPERLY COORDINATE WITH SAID FINISHES.

D. OUTDOOR FIXTURES WITH VENT HOLES SHALL HAVE WIRE MESH SCREENS IN THE VENT HOLES.

E. REPLACE BLEMISHED, DAMAGED OR UNSATISFACTORY FIXTURES AT NO ADDITIONAL COST TO THE OWNER AND IN A MANNER SATISFACTORY TO THE ENGINEER.

F. LAMPS

1. LAMPS SHALL BE NEW AND OF WATTAGE AND TYPE INDICATED OR AS REQUIRED FOR THE PARTICULAR FIXTURE INSTALLED.

2. UNLESS OTHERWISE NOTED, LAMPS DESCRIBED IN FIXTURE SCHEDULE, ANSI NOMENCLATURE, MANUFACTURED BY GENERAL ELECTRIC, SYLVANIA, PHILIPS, OR EQUAL.

2.12 LOW VOLTAGE SWITCHGEAR

A. FURNISH AND INSTALL ALL SWITCHGEAR AS HEREINAFTER SPECIFIED AND AS SHOWN ON THE DRAWINGS. SWITCHBOARDS SHALL BE OF THE DEAD FRONT SAFETY TYPE, EQUIPPED WITH THE THERMAL MAGNETIC 40°C CIRCUIT BREAKERS.

B. CIRCUIT BREAKERS SHALL BE RATED MINIMUM 30,000 AMPS RMS SYMMETRICAL INTERRUPTING CAPACITY AND SHALL BE THE NUMBER OF POLES AND CURRENT CAPACITY AS INDICATED ON THE SINGLE LINE DIAGRAM. SWITCHBOARDS SHALL BE SQUARE-D, GE, OR Eaton/CUTLER HAMMER.

C. LABEL EACH SWITCHBOARD COMPARTMENT WITH ENGRAVED METAL OR LAMINATED-PLASTIC NAMEPLATE WITH WHITE LETTERS ON BLACK BACKGROUND, MOUNTED WITH CORROSION-RESISTANT SCREWS.

D. ENCLOSURE FINISH FOR OUTDOOR UNITS: NEMA 3R WEATHERPROOF ENCLOSURE WITH FACTORY-APPLIED FINISH IN MANUFACTURER'S STANDARD COLOR, UNDERSURFACES TREATED WITH CORROSION-RESISTANT UNDERCOATING.

E. ENCLOSURE FINISH FOR INDOOR UNITS: FACTORY-APPLIED FINISH IN MANUFACTURER'S STANDARD GRAY FINISH OVER A RUST-INHIBITING PRIMER ON TREATED METAL SURFACE.

F. BARRIERS: BETWEEN ADJACENT SWITCHBOARD SECTIONS.

G. UTILITY METERING COMPARTMENT: FABRICATED COMPARTMENT AND SECTION COMPLYING WITH UTILITY COMPANY'S REQUIREMENTS. IF SEPARATE VERTICAL SECTION IS REQUIRED FOR UTILITY METERING, MATCH AND ALIGN WITH BASIC SWITCHBOARD.

H. BUS TRANSITION AND INCOMING PULL SECTIONS: MATCHED AND ALIGNED WITH BASIC SWITCHBOARD.

I. BUSES AND CONNECTIONS: THREE PHASE, FOUR WIRE, UNLESS OTHERWISE INDICATED.

1. PHASE- AND NEUTRAL-BUS MATERIAL: HARD-DRAWN COPPER OF 98 PERCENT CONDUCTIVITY WITH FEEDER CIRCUIT-BREAKER LINE CONNECTIONS. IF BUS IS COPPER, USE COPPER FOR FEEDER CIRCUIT-BREAKER LINE CONNECTIONS.

2. LOAD TERMINALS: INSULATED, RIGIDLY BRACED, SILVER-PLATED, COPPER RUNBACK BUS EXTENSIONS EQUIPPED WITH PRESSURE CONNECTORS FOR OUTGOING CIRCUIT CONDUCTORS. PROVIDE LOAD TERMINALS FOR FUTURE CIRCUIT-BREAKER POSITIONS AT FULL AMPERE RATING OF

CIRCUIT-BREAKER POSITION

3. GROUND BUS: 1/4-BY-2-INCH (6-BY-50-MM-) MINIMUM-SIZE, HARD-DRAWN COPPER OF 98 PERCENT CONDUCTIVITY, EQUIPPED WITH PRESSURE CONNECTORS FOR FEEDER AND BRANCH-CIRCUIT GROUND CONDUCTORS. FOR BUSWAY FEEDERS, EXTEND INSULATED EQUIPMENT GROUNDING CONDUIT TO BUSWAY GROUND CONNECTION AND SUPPORT CABLE AT INTERVALS IN VERTICAL RUN.

4. CONTACT SURFACES OF BUSES: SILVER PLATED.

5. MAIN PHASE BUSES, NEUTRAL BUSES, AND EQUIPMENT GROUND BUSES: UNIFORM CAPACITY FOR ENTIRE LENGTH OF SWITCHBOARD'S MAIN AND DISTRIBUTION SECTIONS. PROVIDE FOR FUTURE EXTENSIONS FROM BOTH ENDS.

6. ISOLATION BARRIER ACCESS PROVISIONS: PERMIT CHECKING OF BUS-BOLT TIGHTNESS.

7. NEUTRAL BUSES: 100 PERCENT OF THE AMPLACITY OF PHASE BUSES, UNLESS OTHERWISE INDICATED, EQUIPPED WITH PRESSURE CONNECTORS FOR OUTGOING CIRCUIT NEUTRAL CABLES. BUS EXTENSIONS FOR BUSWAY FEEDER NEUTRAL BUS ARE BRACED.

P. FUTURE DEVICES: EQUIP COMPARTMENTS WITH MOUNTING BRACKETS, SUPPORTS, BUS CONNECTIONS, AND APPURTENANCES AT FULL RATING OF CIRCUIT-BREAKER COMPARTMENT.

2.13 CIRCUIT AND MOTOR DISCONNECTS

A. DISCONNECT (SAFETY) SWITCHES SHALL BE FUSED, HEAVY DUTY TYPE SWITCHES MEETING NEMA SPECIFICATIONS. SWITCHES SHALL BE PROVIDED WITH REJECTION TYPE FUSE BLOCKS. PROVIDE SWITCHES WITH THE NUMBER OF POLES, THE VOLTAGE, CURRENT AND HORSEPOWER RATINGS AS REQUIRED. PROVIDE EXTERNALLY OPERABLE QUICK-MAKE, QUICK-BREAK TYPE. MECHANISM WITH COVER INTERLOCK AND PADLOCKABLE IN EITHER THE OPEN OR CLOSED POSITION.

B. SWITCHES SHALL BE NEMA 3R (RAIN TIGHT ENCLOSURE) WHERE INDICATED TO BE OUTDOORS; WEATHERPROOF.

C. PROVIDE NAMEPLATE INDICATING EQUIPMENT SERVED. ALL GENERAL SNAP SWITCHES OPERATING MOTOR LOADS SHALL BE HORSEPOWER RATED OR BE RATED AT LEAST 125% OF THE FULL LOAD CURRENT.

2.15 ELECTRICAL CONNECTIONS

A. UNLESS OTHERWISE NOTED, ALL WIRING FOR MOTORS, STARTERS, CONTROLS, AND EQUIPMENT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. WHERE MOTORS FOR MECHANICAL EQUIPMENT ARE FURNISHED BY OTHER DIVISIONS, WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR, EXCEPT WHERE WIRED INTEGRALLY WITH THE EQUIPMENT.

2.16 SUPPORTING DEVICES

A. ALL EQUIPMENT CONDUITS SHALL BE SUPPORTED, ANCHORED AND BRACED IN ACCORDANCE WITH THE MOST STRINGENT CODES AND REQUIREMENTS. COMPLY WITH CHAPTER 23 OF THE LATEST CBC (CALIFORNIA BUILDING CODE).

PART 3 EXECUTION

3.01 WORKMANSHIP AND COMPLETION OF INSTALLATION

A. WORKMANSHIP AND NEAT APPEARANCE SHALL BE AS IMPORTANT AS THE ELECTRICAL AND MECHANICAL EFFICIENCY. DEFECTIVE AND DAMAGED MATERIALS SHALL BE REPLACED OR REPAIRED PRIOR TO FINAL INTERPRETATIONS INCLUDED. ANY DEFICIENCY PERTAINING TO EITHER WORKMANSHIP OR MATERIALS FOUND BY THE INSPECTOR SHALL BE CORRECTED WITHOUT ADDITIONAL COST TO THE OWNER.

B. THE CONTRACTOR SHALL MAINTAIN ON JOB SITE A SET OF THE WORKING DRAWINGS WHICH SHALL BE UPDATED DAILY. IN DETAIL FOR WORK ACCOMPLISHED UPON COMPLETION OF THE WORK, A SET OF REPRODUCIBLE CONTRACT DRAWINGS SHALL BE OBTAINED FROM THE GENERAL CONTRACTOR AND ALL CHANGES AS NOTED ON THE RECORD SET OF PRINTS SHALL BE INCORPORATED THEREON WITH RED INK IN A NEAT, LEGIBLE, UNDERSTANDABLE AND PROFESSIONAL MANNER.

C. ALL EQUIPMENT AND MATERIAL CONNECTED WITH THIS PROJECT SHALL BE INSTALLED COMPLETE, THOROUGHLY CLEANED, AND ALL RESIDUE REMOVED FROM INSIDE SURFACES. EXTERIOR SURFACES OF ALL MATERIAL AND EQUIPMENT SHALL BE CLEANED AND DELIVERED IN A PERFECT, UNBLEMISHED CONDITION.

D. UPON COMPLETION OF THE INSTALLATION AND AS A CONDITION OF ITS ACCEPTANCE FURNISH ONE COPY OF THE FINAL INSPECTION CERTIFICATE TO THE OWNER.

3.02 PREPARATION COORDINATION

A. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH ALL OTHER CONTRACTORS FURNISHING LABOR, MATERIALS AND WORK, SO THAT THE WORK AS WHOLE SHALL BE EXECUTED AND COMPLETED WITHOUT CONFLICT OR DELAY.

B. EXAMINE THE DRAWINGS AND SPECIFICATIONS AND DETERMINE THE WORK TO BE PERFORMED BY THE ELECTRICAL, MECHANICAL AND OTHER TRADES. PROVIDE THE TYPE AND AMOUNT OF ELECTRICAL MATERIALS AND EQUIPMENT NECESSARY TO PLACE THIS WORK IN PROPER OPERATION, COMPLETELY WIRED TESTED AND READY FOR USE. THIS SHALL INCLUDE ALL CIRCUIT, WIRE, DISCONNECTS, RELAYS, AND OTHER DEVICES FOR THE REQUIRED OPERATIONAL SEQUENCE OF ALL ELECTRICAL, MECHANICAL, AND OTHER SYSTEMS OR EQUIPMENT.

C. PERFORM ALL WORK IN A MANNER WHICH WILL NOT CAUSE UNNECESSARY INCONVENIENCE OR DANGER TO THE OCCUPANTS, NOR INTERFERE WITH THE ACTIVITIES IN THE BUILDING.

D. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE EACH POWER INTERRUPTION WITH OWNER, AND SHALL PROVIDE AT LEAST TWO WEEKS NOTICE OF PROPOSED INTERRUPTION AND WORK TO BE ACCOMPLISHED.

3.04 CORE CUTTING, DRILLING, AND PATCHING

A. NO HOLES WILL BE ALLOWED IN ANY STRUCTURAL MEMBERS WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT OR STRUCTURAL ENGINEER AND GENERAL CONTRACTOR.

3.05 INSTALLATION

A. WORKMANSHIP IS TO BE NEAT, BY EXPERIENCED WORKMEN WITH ADEQUATE SUPERVISION, AND IN LINE WITH NORMAL INDUSTRY WORK PRACTICES.

B. MAINTAIN WORKING CLEARANCE AROUND ELECTRICAL EQUIPMENT, IN ACCORDANCE WITH CODE REQUIREMENTS AS A MINIMUM.

C. ALL CONDUIT TO BE RUN CONCEALED UNLESS OTHERWISE NOTED. ALL CONDUITS SHALL BE ROUTED OVERHEAD IN CEILING SPACES. NO CONDUITS SHALL BE PERMITTED IN CONCRETE SLAB, MASONRY WALLS UNLESS SPECIFICALLY SO INDICATED. CONDUIT SHALL BE RUN SO AS NOT TO INTERFERE WITH OTHER PIPING FIXTURES OR EQUIPMENT.

D. WHERE ALLOWED, EXPOSED CONDUIT RUNS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS, STRUCTURAL MEMBERS, OR INTERSECTION OF VERTICAL PLANES AND CEILING.

E. INSTALL PRODUCTS ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

F. ALL ROTATING ELECTRICAL EQUIPMENT SHALL BE SUPPLIED WITH A FLEXIBLE, LIQUID-TIGHT CONDUIT WITH APPROPRIATE SLACK AND SHALL NOT EXCEED THIRTY-SIX (36) INCHES.

G. ALL POWER WIRING SHALL BE INSTALLED IN CONDUIT.

H. INSTALL ACCESSORIES FURNISHED WITH EACH LUMINAIRE.

I. PROVIDE CONCRETE BASES FOR LIGHTING POLES.

J. INSTALL POLES AND PLUMB.

1. PROVIDE SHIMS TO ADJUST PLUMB.

2. GROUND AROUND EACH BASE.

K. INSTALL LAMPS IN EACH LUMINAIRE.

L. BOND LUMINAIRE METAL ACCESSORIES AND METAL POLES TO BRANCH CIRCUIT EQUIPMENT GROUNDING CONDUCTORS.

3.06 GROUNDING

A. ALL EQUIPMENT SHALL BE PROPERLY GROUNDED AS INDICATED ON DRAWINGS AND AS REQUIRED BY THE LATEST EDITION OF APPLICABLE CODES.

B. FURNISH AND INSTALL ALL GROUNDING CONDUCTORS, CONDUIT AND CLAMPS. THE SIZE OF THE GROUNDING CONDUCTORS SHALL BE NOT LESS THAN THAT SPECIFIED IN THE NEC.

C. BUILDING GROUNDING SYSTEM RESISTANCE TO GROUND SHALL NOT EXCEED 25 OHMS.

D. EACH BRANCH CIRCUIT SHALL BE EQUIPPED WITH CODE SIZE GREEN GROUND, EQUIPMENT WIRE (PER NEC 250-95) (NOT INDICATED ON DRAWINGS) WITHIN THE SAME CONDUIT FOR ALL CIRCUITS OF PANELBOARDS.

3.07 BRANCH CIRCUITS

A. NO MORE THAN THREE BRANCH CIRCUITS PERMITTED IN ONE CONDUIT UNLESS INDICATED OTHERWISE.

3.08 IDENTIFICATION

A. THE FOLLOWING ITEMS SHALL BE EQUIPPED WITH NAMEPLATES:

1. ALL MOTORS, MOTOR STARTERS, CONTROL PANELS, MOTORS CONTROL REMOTE STATIONS.

2. ALL DISCONNECT AND SAFETY SWITCHES, MAIN DISTRIBUTION PANEL FEEDER OVERCURRENT DEVICES AND SPARES, CIRCUIT EQUIPMENT IN SEPARATE ENCLOSURES.

3. SPECIAL ELECTRICAL SYSTEMS SHALL BE PROPERLY IDENTIFIED AT JUNCTION AND PULL BOXES.

4. ALL BRANCH CIRCUIT PANEL BOARDS SHALL HAVE IDENTIFYING ENGRAVED PLASTIC NAMEPLATES. ALSO, PROVIDE A TYPED DIRECTORY CARD FOR EACH BRANCH CIRCUIT PANELBOARD. THE CARD IS TO BE PLACED ON THE INTERIOR SIDE OF THE PANELBOARD DOOR BEHIND A CLEAR PLASTIC SHIELD. THE CARD SHALL IDENTIFY EACH CIRCUIT BY NUMBER, LOAD, AND LOCATION.

5. IN GENERAL, EQUIPMENT SHALL BE IDENTIFIED AS DESIGNATED ON THE ELECTRICAL DRAWINGS. NAMEPLATES FOR PANELBOARDS AND SWITCHBOARDS SHALL INCLUDE THE PANEL DESIGNATION, VOLTAGE AND PHASE OF THE SUPPLY, THE NAME OF THE MACHINE BEING THE SAME AS THE NAME USED ON ALL MOTOR STARTERS, DISCONNECTS, AND P.B. STATION NAMEPLATES FOR THAT MACHINE.

B. NAMEPLATES SHALL BE FABRICATED AS FOLLOWS:

1. NAMEPLATE MATERIALS SHALL CONSIST OF 3-PLY, 1/16" LAMINATED PLASTIC WITH WHITE CORE FOR LETTERING AND BLACK BACKGROUND.

2. CAPITAL LETTERS SHALL BE USED.

3. NAMEPLATES SHALL BE FASTENED WITH CADMIUM-PLATED SELF-TAPPING NO. 6 SCREWS 1/4" LONG.

4. THE MINIMUM SIZE OF ALL NAME PLATES AND LETTERING SHALL BE 3/4" HIGH BY 2" LONG WITH 1/4" LETTERS.

3.09 PROTECTION

A. USE ALL MEANS NECESSARY TO PROTECT THE WORK AND MATERIALS FROM LOSS DURING AND AFTER INSTALLATION, AND PROVIDE ADEQUATE AND PROPER STORAGE FACILITIES DURING THE PROGRESS OF THE WORK. PROVIDE FOR THE SAFETY AND GOOD CONDITION OF ALL WORK UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER. REPLACE ALL DAMAGE OR DEFECTIVE WORK, MATERIAL, AND EQUIPMENT AT NO EXPENSE TO THE OWNER BEFORE REQUESTING FINAL ACCEPTANCE.

3.10 CLEANING OF EQUIPMENT, MATERIAL, AND PREMISES

A. SITE SHALL BE LEFT BROOM CLEAN AFTER COMPLETION OF WORK EACH DAY. UPON COMPLETION OF THE WORK, LEAVE THE PREMISES CLEAN OF ALL DIRT AND DEBRIS.

B. ALL EQUIPMENT AND MATERIAL CONNECTED WITH THIS PROJECT SHALL BE INSTALLED COMPLETE, THOROUGHLY CLEANED, AND ALL RESIDUE REMOVED FROM INSIDE SURFACES. EXTERIOR SURFACES OF ALL MATERIAL AND EQUIPMENT SHALL BE CLEANED AND DELIVERED IN A PERFECT, UNBLEMISHED CONDITION.

3.11 HANDLING OF WIRE AND CABLE

A. HANDLE WIRE AND CABLE SO AS TO AVOID DAMAGE TO CONDUCTORS AND TAKE EVERY PRECAUTION TO AVOID SHARP BENDING OR SCORING OF THE CABLE. CABLE SHALL NOT BE LAD NOR DRAGGED UPON THE GROUND.

B. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND REPLACE AT HIS OWN EXPENSE ALL WIRE AND CABLE DAMAGED DUE TO IMPROPER HANDLING, AND SHALL PAY FOR THE NEW WIRE OR CABLE.

3.12 TESTING AND INSPECTIONS

A. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE ALL REQUIRED INSPECTIONS FOR THE EXECUTION OF THE WORK UNDER THIS CONTRACT.

B. THE CONTRACTOR SHALL REPLACE ALL DAMAGED OR DEFECTIVE EQUIPMENT OR WORK.

C. ALL CIRCUITS SHALL BE TESTED FOR CONTINUITY AND CIRCUIT INTEGRITY BY THE CONTRACTOR. ADJUSTMENTS SHALL BE MADE FOR CIRCUITS NOT COMPLYING WITH TESTING CRITERIA.

D. THE CONTRACTOR SHALL FURNISH ALL INSTRUMENTS AND PERFORM ANY ADDITIONAL TESTS REQUIRED BY THE AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL ALSO CORRECT ALL FAILURES AND REPAIR ANY DAMAGED PORTIONS OF THE WORK RESULTING FROM THOSE TESTS. THE COST OF THE FOREGOING ITEMS SHALL BE PAID BY THE CONTRACTOR.

E. THE CONTRACTOR SHALL FURNISH THE OWNER CERTIFICATES OF INSPECTION AND APPROVAL BY THE ELECTRICAL INSPECTION AUTHORITY ON ALL WORK COMPLETED AS REQUIRED.

F. TITLE 24 REQUIRES THE INCLUSION OF ALL APPLICABLE CERTIFICATES OF INSTALLATION AND CERTIFICATES OF ACCEPTANCE FOR LIGHTING SYSTEMS. THIS SHALL INCLUDE INDOOR AND OUTDOOR LIGHTING SYSTEMS.

G. CONTRACT DRAWINGS AND SPECIFICATIONS, GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS, ELECTRICAL PROVISIONS AND DIVISION-1 SPECIFICATION SECTIONS APPLY TO WORK OF THIS SECTION.

H. COMPLETE ALL TITLE 24 REQUIRED CERTIFICATE(S) OF INSTALLATION (NRC) AND CERTIFICATE(S) OF ACCEPTANCE (NRC) TO BE COMPLETED PER THE CONTRACT DOCUMENTS.

I. RESPONSIBILITIES OF INSTALLING CONTRACTORS

A.A. GENERAL CONTRACTOR (GC)

a. ENSURE THAT ALL CONTRACTORS IDENTIFIED AS THE CONTRACTOR RESPONSIBLE FOR ACCEPTANCE TESTING AND COMPLETION OF THE TITLE 24 CERTIFICATE(S) OF ACCEPTANCE ARE CERTIFIED BY THE STATE OF CALIFORNIA OR ITS DESIGNATED BODY TO CONDUCT EACH RESPECTIVE TEST.

A.A. ELECTRICAL CONTRACTOR (EC)

a. VERIFY PROPER INSTALLATION AND PERFORMANCE OF ALL ELECTRICAL SERVICES PROVIDED.

b. COMPLETE TITLE 24 CERTIFICATE(S) OF INSTALLATION AND MANUFACTURER'S PRE-START CHECKLISTS PRIOR TO SCHEDULING STARTUP/PROGRAMMING OF LIGHTING CONTROL EQUIPMENT.

i. RETAIN CERTIFICATE(S) OF INSTALLATION IN A 3-RING BINDER IN AN ORGANIZED FASHION. BINDER IS TO REMAIN ON THE JOB SITE.

ii. MAKE CERTIFICATE(S) OF INSTALLATION AVAILABLE FOR BUILDING INSPECTOR'S REVIEW.

iii. RETAIN CALIBRATION RECORDS FOR EQUIPMENT PROVIDED WITH MANUFACTURER CALIBRATED SENSORS IN THE CERTIFICATE(S) OF INSTALLATION BINDER.

iv. CORRECT LABELING OF ALL CIRCUITS WITH CONNECTED EQUIPMENT.

c. COMPLETE THE CERTIFICATE(S) OF ACCEPTANCE PER THE CONTRACT DOCUMENTS.

i. THE COMPANY INSTALLING THE LIGHTING SYSTEMS MUST BE AN AUTHORIZED LIGHTING CONTROLS ACCEPTANCE TEST EMPLOYER CERTIFIED BY A LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN CERTIFICATION PROVIDER OR INCLUDE IN THEIR BID THE COST OF RETAINING AND OVERSEEING A CONTRACTOR WHO IS AN AUTHORIZED LIGHTING CONTROLS ACCEPTANCE TEST EMPLOYER TO COMPLETE THE ACCEPTANCE TESTING.

ii. ALL REQUIRED ACCEPTANCE TESTING MUST BE COMPLETED BY A LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN EMPLOYED BY THE LIGHTING CONTROLS ACCEPTANCE TEST EMPLOYER.

iii. RETAIN CERTIFICATE(S) OF ACCEPTANCE IN A 3-RING BINDER IN AN ORGANIZED FASHION. BINDER IS TO REMAIN ON THE JOB SITE.

iv. UPLOAD ALL CERTIFICATE(S) OF ACCEPTANCE TO THE CALIFORNIA TITLE 24 CERTIFICATES OF ACCEPTANCE DATABASE, IF, AT THE TIME OF PROJECT COMPLETION, THE DATABASE IS AVAILABLE TO THE PUBLIC.

d. SUCCESSFUL COMPLETION OF THE REQUIRED ACCEPTANCE TESTS IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. ANY COSTS ASSOCIATED WITH MODIFICATIONS NECESSARY TO OBTAIN COMPLIANCE AND RE-TESTING OF SYSTEMS SHALL BE INCLUDED IN THE BASE BID OF THIS PROJECT.

2015-12-15-085 RANCHO MIRAGE DOG PARK 15-085 E-SPECS - 2015-12-15 - JEFF MORNING



IMPORTANT NOTICE CALL BEFORE YOU DIG

SECTION 0216 OF THE GOVERNMENT CODE REQUIRES AN INDUSTRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR YOUR PRE-EXCAVATION CALL 800-451-6000 UNDERGROUND SERVICE ALERT TOLL FREE 1-800-272-2600 TWO WORKING DAYS BEFORE YOU DIG

UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE ENGINEER OF THESE PLANS.

ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO KNOWN UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.

#	REVISIONS	DATE	APP.

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PREPARED UNDER THE DIRECT SUPERVISION OF:

LEONARD P. MAYA, SENIOR ELECTRICAL ENGINEER DATE **R.C.E. E19480, EXP. 6-30-2017**

GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:

BRETT L. ANDERSON, PRINCIPAL ENGINEER DATE **R.C.E. C45389, EXP. 9/30/16**

CITY OF RANCHO MIRAGE	
<p>SHEET TITLE ELECTRICAL SPECIFICATIONS</p> <p>PROJECT RANCHO MIRAGE DOG PARK</p> <p>DESCRIPTION C.P. 14-311</p> <p>SITE ADDRESS 34-100 KEY LARGO AVENUE</p> <p>LEGAL DESCRIPTION A PORTION OF THE NE CORNER OF SEC. 30, T. 4, S. 1, R. 6, E., S.B.B. & M. A.P.N. 685-090-011</p>	<p>SHEET <u>33</u></p> <p>OF <u>33</u></p> <p>PRIVATE REFERENCE # 150109</p> <p>CITY REFERENCE # E1500165</p>