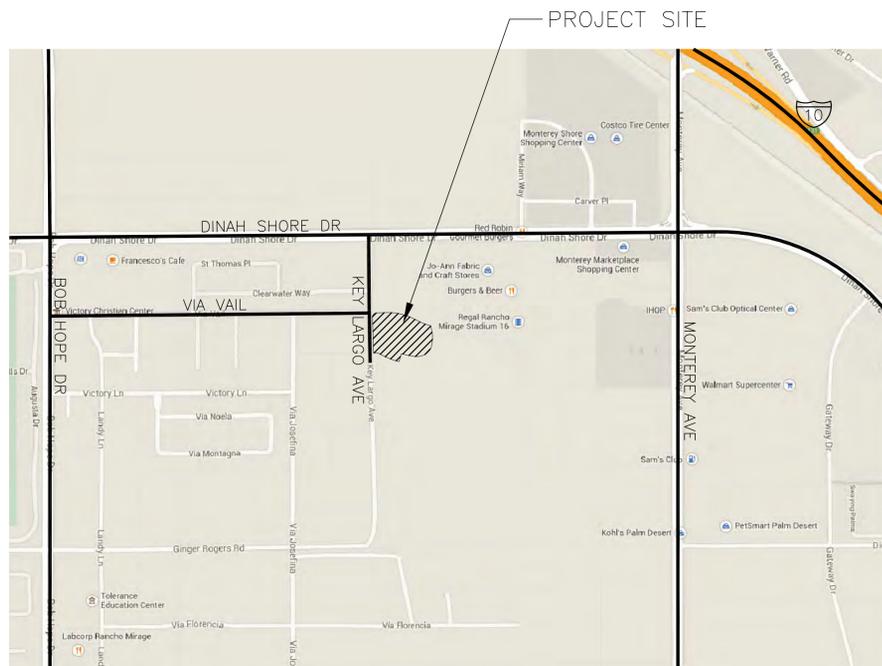


RANCHO MIRAGE DOG PARK

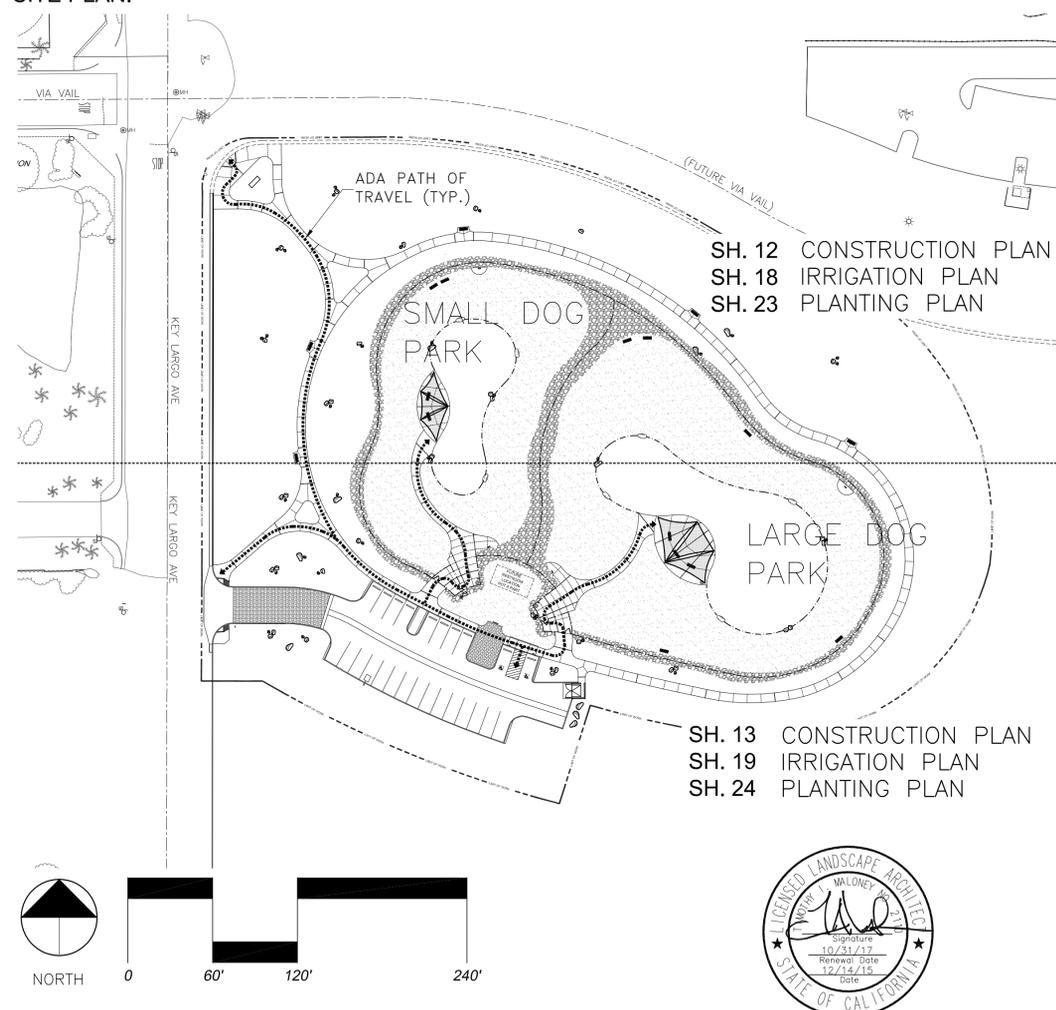
34-100 KEY LARGO AVENUE

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

VICINITY MAP:



SITE PLAN:



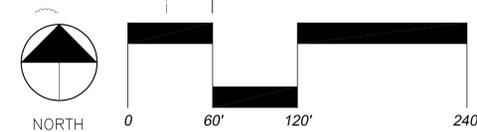
CONSULTANTS:

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:

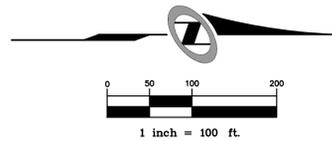
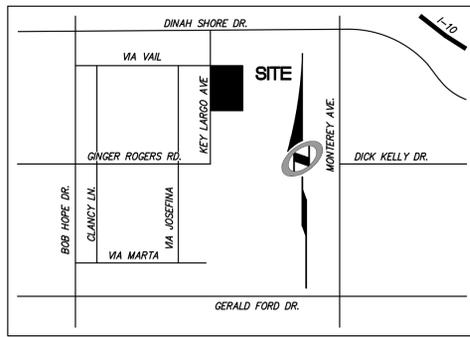
| | | | |
|----|---------------------------|----|---------------------------|
| 1 | TITLE SHEET | 18 | IRRIGATION PLAN |
| 2 | WATER IMPROVEMENT PLAN | 19 | IRRIGATION PLAN |
| 3 | WATER IMPROVEMENT PLAN | 20 | IRRIGATION DETAILS |
| 4 | SEWER IMPROVEMENT PLAN | 21 | IRRIGATION DETAILS |
| 5 | SEWER 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 | | |



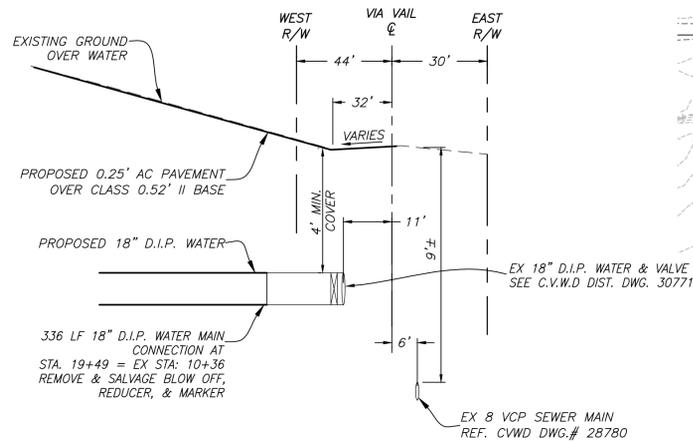
| | | | | | | | | | | | |
|---|--|---------------------|------------------------|------|-------------|---|---|---|---|-------------------------|---|
| <p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 4216 OF THE GOVERNMENT CODE REQUIRES AN INDUSTRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE HELD. 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> | # | REVISIONS | DATE | APP. | <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: <i>Tim Maloney</i> TIM MALONEY, RLA 2110, EXP. 10/31/17 DATE 12/14/15</p> <p>GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY: <i>Brett S. Anderson</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 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</p> | <p>CITY OF RANCHO MIRAGE TITLE SHEET</p> | | <p>SHEET 1 OF 33</p> <p>PRIVATE REFERENCE # 150109</p> <p>PERMIT # E1500165</p> |
| | | PROJECT DESCRIPTION | RANCHO MIRAGE DOG PARK | | C.P. 14-311 | | | | SITE ADDRESS | 34-100 KEY LARGO AVENUE | |

Dec 14, 2015 - 1:53pm 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.

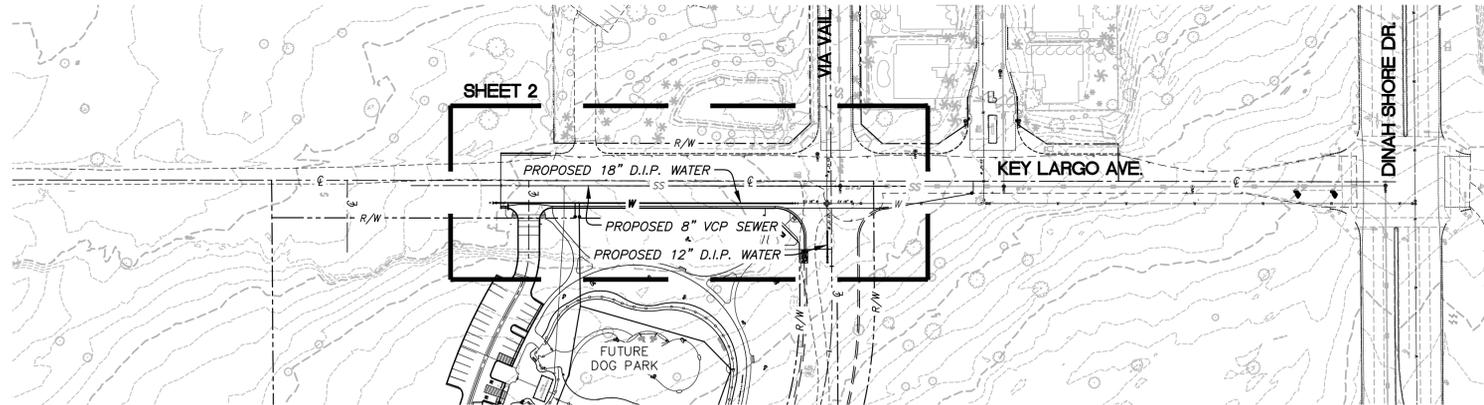
- LEGEND:**
- INDICATES RIGHT OF WAY
 - INDICATES PROPERTY LINE
 - INDICATES CENTER LINE
 - INDICATES EDGE OF PAVEMENT
 - SS--- INDICATES EXISTING 12" VCP SEWER MAIN - CVWD
 - W--- INDICATES PROPOSED 12" WATER
 - SS--- INDICATES PROPOSED 8" VCP SEWER
 - W--- INDICATES EXISTING 8" WATER MAIN - CVWD
 - IID--- 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



INDEX MAP
 SCALE: 1" = 100 FT.

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

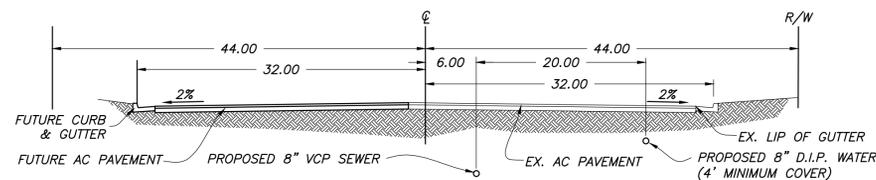
LAND USE:
 EXISTING: VACANT LAND
 PROPOSED: DOG PARK

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

UTILITIES:

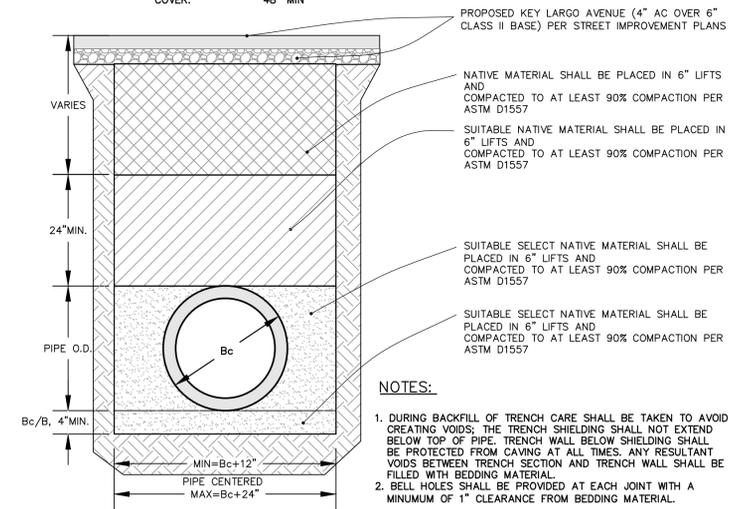
| | | |
|------------------|--------------------------------------|---------------|
| ELECTRIC: | IMPERIAL IRRIGATION DISTRICT | (760)398-5823 |
| TELEPHONE: | VERIZON | (760)864-1726 |
| GAS: | THE GAS COMPANY | (909)335-7507 |
| WATER: | COACHELLA VALLEY WATER DISTRICT | (760)398-2651 |
| SEWER: | 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)**

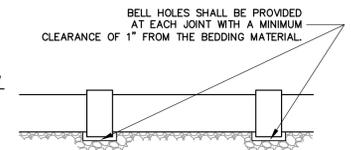
PAVED ROADWAY SECTION
BACKFILL DESIGN FACTORS
 TYPE 3 BEDDING
 PIPE MATERIAL: DUCTILE IRON PIPE
 PIPE SIZE: 18"
 SOIL WEIGHT: 119.6
 TRENCH WIDTH: 42" MAX/30" MIN
 COVER: 48" MIN



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

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.

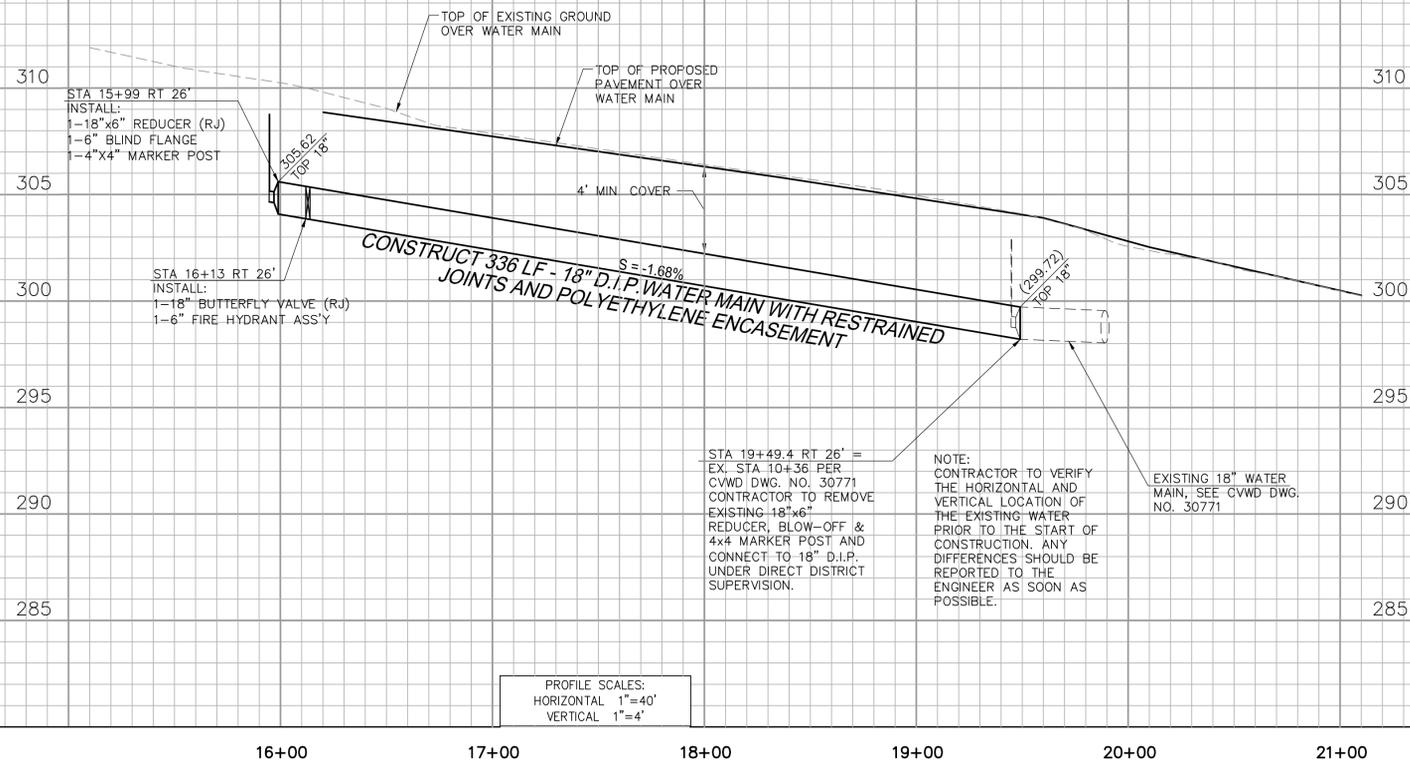


PRESSURIZED PIPELINE TRENCH DETAIL

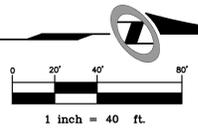
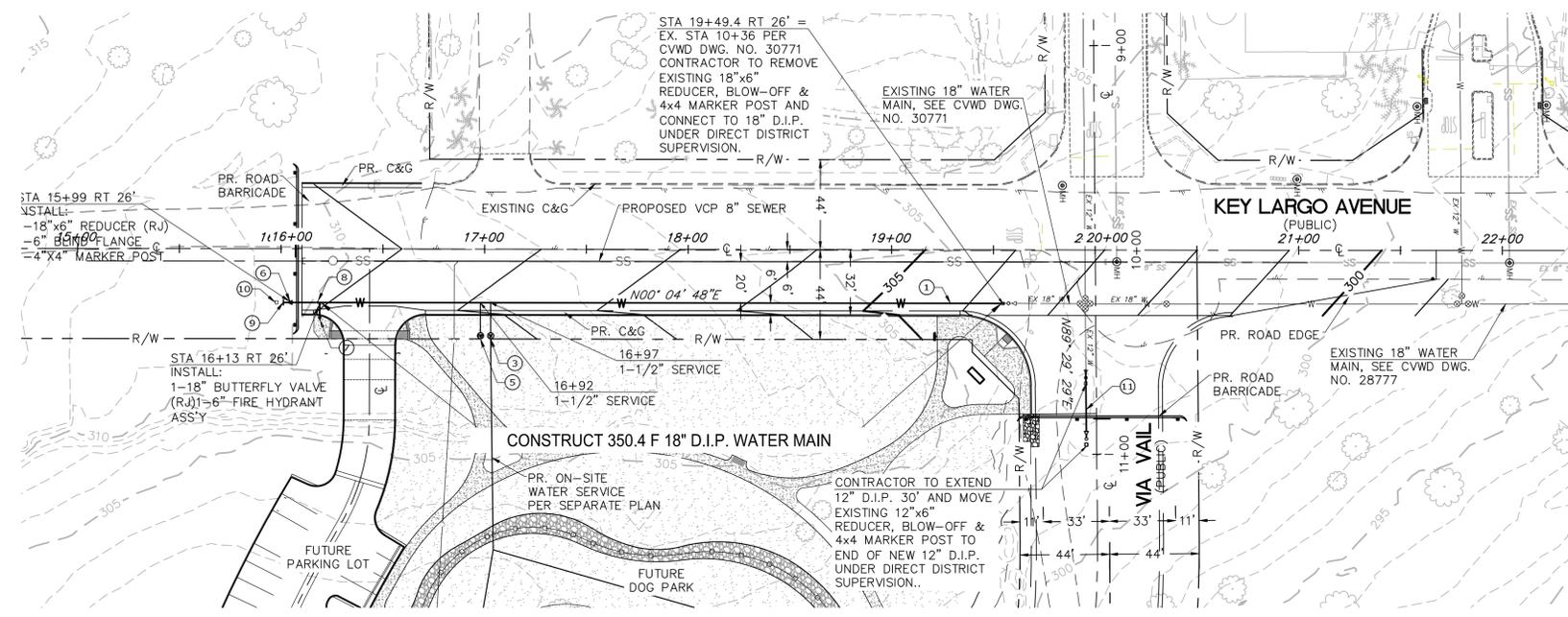


(PLAN CHECK ENGINEER STAMP)

| | | | | | | | | |
|--|--|-----------------------------|---|---|--|--|--|----------------------------------|
| 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 | 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 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. | NIVS 42-829 COOK STREET SUITE 104 760.3413101 TEL. 760.3415999 FAX PALM DESERT CA 92211 714 WWW.NIVS.COM | PREPARED UNDER THE DIRECT SUPERVISION OF: SCOTT R. VINTON R.C.E. C-54703 EXP. 12/31/15 DATE GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY: | RECOMMENDED FOR APPROVAL BY: MARK W. SAMBITO R.C.E. S-3613, 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 COVER SHEET KEY LARGO AVENUE 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 2 OF 33 |
| | | | | | | | | PRIVATE REFERENCE # PD8033900 |



PROFILE SCALES:
HORIZONTAL 1"=40'
VERTICAL 1"=4'



- CONSTRUCTION NOTES**
- ① FURNISH & INSTALL 18" D.I.P. WATER MAIN WITH RESTRAINED JOINTS AND POLYETHYLENE ENCASEMENT
 - 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 ENCASEMENT

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

(PLAN CHECK ENGINEER STAMP)

AL:\P02033900\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
DIG CAN 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.

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. |
|---|-----------|------|------|
| | | | |

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
GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
R.C.E. EXP. 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

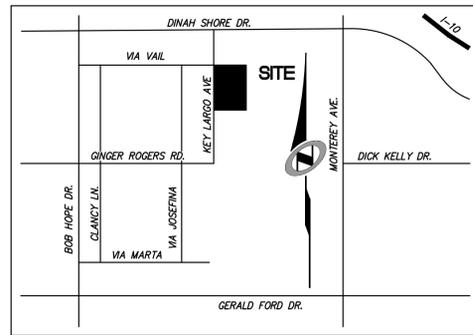
LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF
SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

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

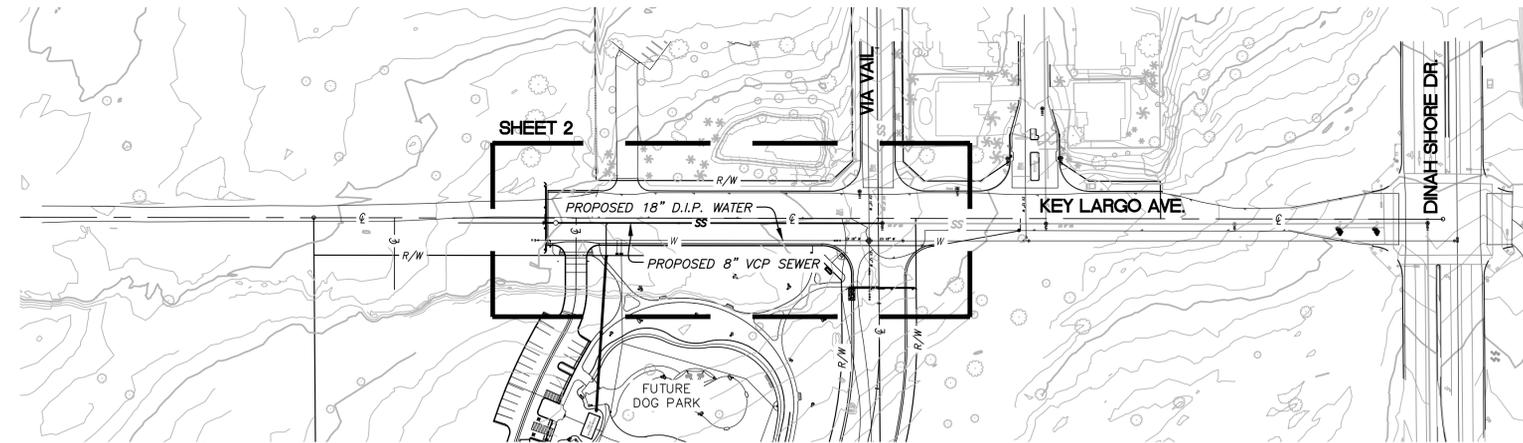
CONSTRUCTION QUANTITIES:

- 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.

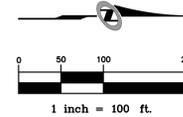
SHEET INDEX

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



INDEX MAP

SCALE: 1" = 100 FT.



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

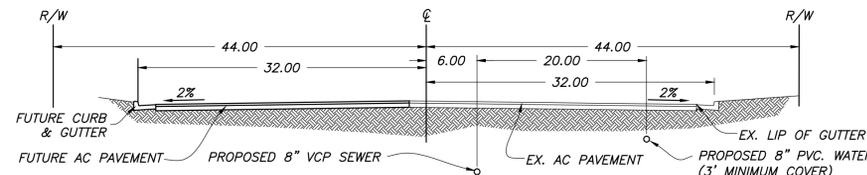
ACREAGE:
 GROSS: 52.48 ACRES
 NET: 52.48 ACRES

LAND USE:
 EXISTING: VACANT LAND
 PROPOSED: DOG PARK

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

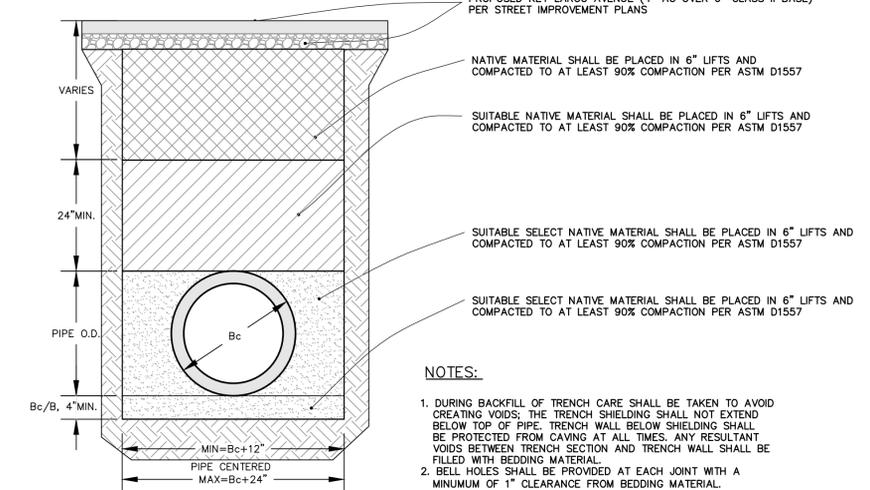
UTILITIES:

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

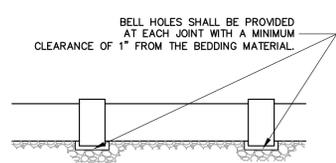


8" VCP TRENCH DETAIL
 SOIL CLASS PER ASTM D2321
 NOT TO SCALE
 FACTOR OF SAFETY = 2.5

NON-PRESSURIZED PIPELINE TRENCH DETAIL

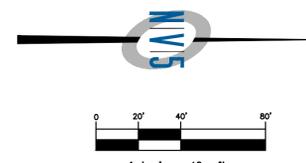
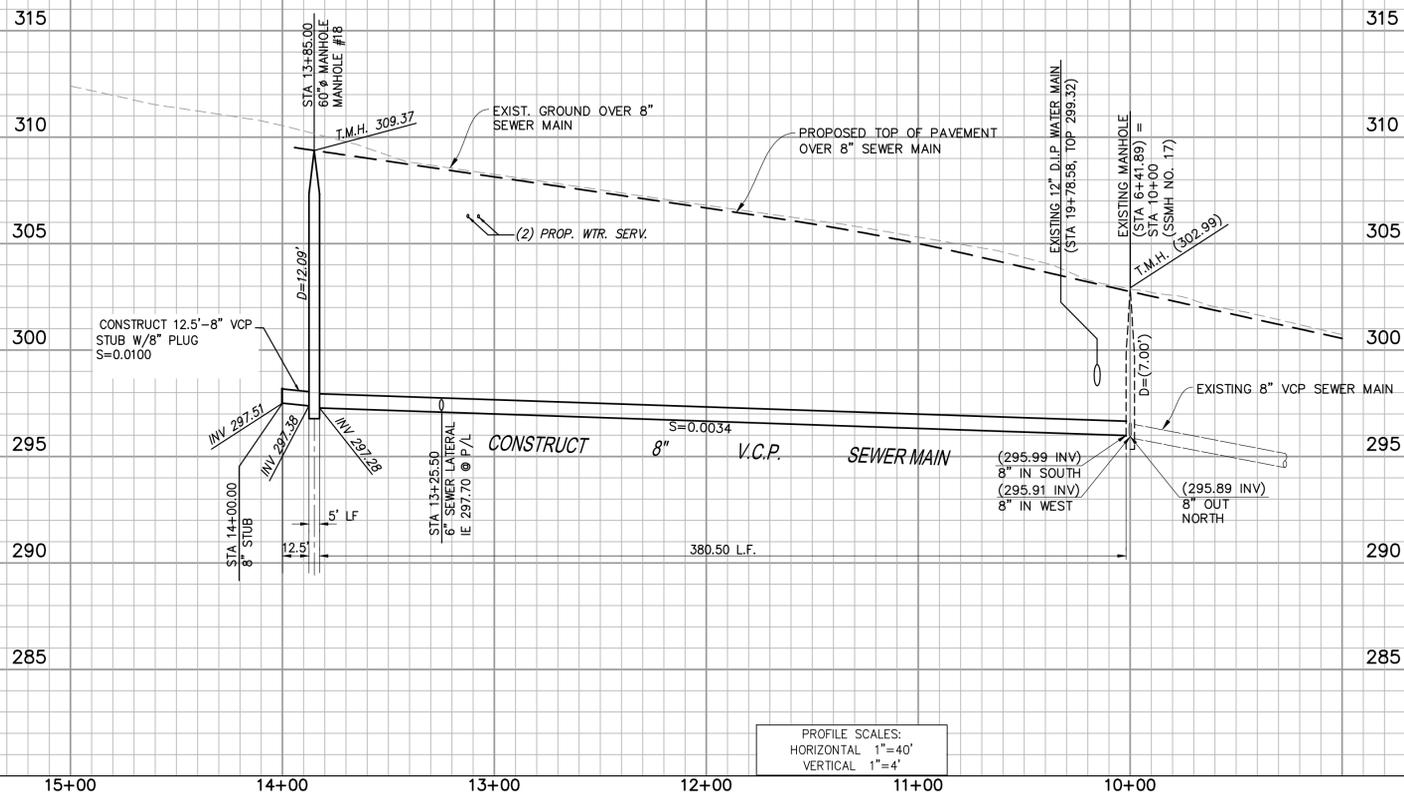
| SEWER MANHOLE TABLE | | | | |
|---------------------|--------|----------|----------------|--------------|
| MANHOLE NO. | DEPTH. | MH. DIA. | KEY LARGO AVE. | VIA VALE |
| 17 | 7.00' | 60" | STA. 10+00.00 | STA. 6+41.89 |
| 18 | 12.09' | 60" | STA. 13+85.00 | - |

- NOTES:**
- 1. 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.
 - 2. BELL HOLES SHALL BE PROVIDED AT EACH JOINT WITH A MINIMUM OF 1" CLEARANCE FROM BEDDING MATERIAL.

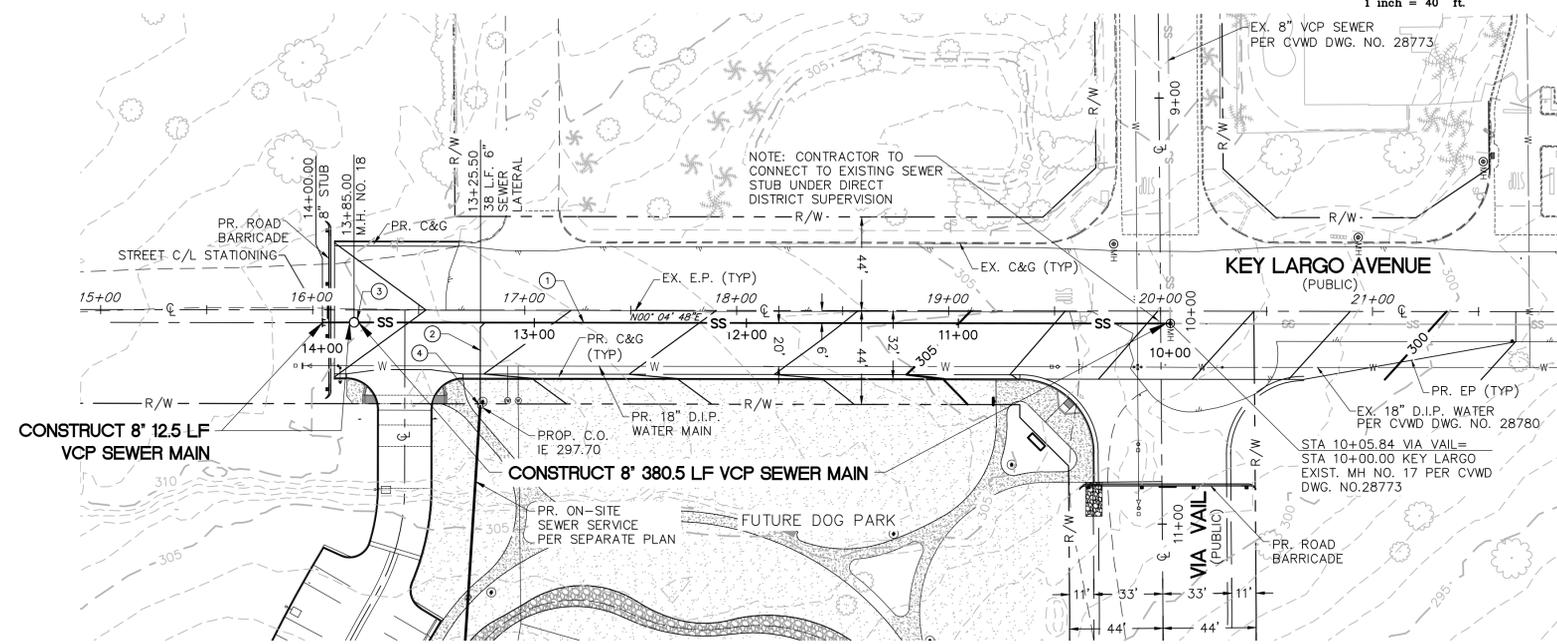


(PLAN CHECK ENGINEER STAMP)

| | | | | | | | | |
|--|---|-----------------------------|---|--|---|--|---|--|
| 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 | 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 104 760.3413101 TEL. 760.3415999 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: | RECOMMENDED FOR APPROVAL BY: MARK W. SAMBITO DATE R.C.E. 53613, EXP. 6/30/2017 APPROVED BY CITY OF RANCHO MIRAGE: | CITY OF RANCHO MIRAGE RANCHO MIRAGE DOG PARK SEWER IMPROVEMENT PLAN COVER SHEET SITE ADDRESS 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 | SHEET 4 OF 33 PRIVATE REFERENCE # PD8033900 CITY REFERENCE # E1500165 |
| | | | | | WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017 | CITY REFERENCE # E1500165 | | |



| 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)

AL:\P02033900\03_Sewer\PD033900-SEWER.dwg Layout: 5 Dec 15, 2015 - 8:31am

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
42-828 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
SEWER PLAN & PROFILE
KEY LARGO AVE AND VIA VAIL

SHEET 5 OF 33
PRIVATE REFERENCE # PD033900
CITY REFERENCE # E1500165

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

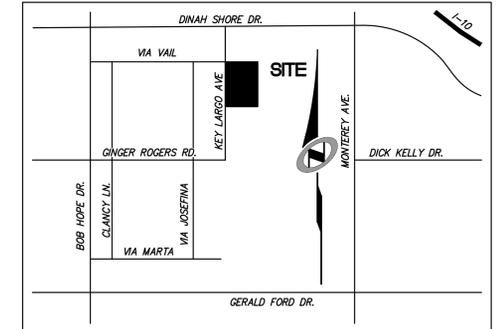
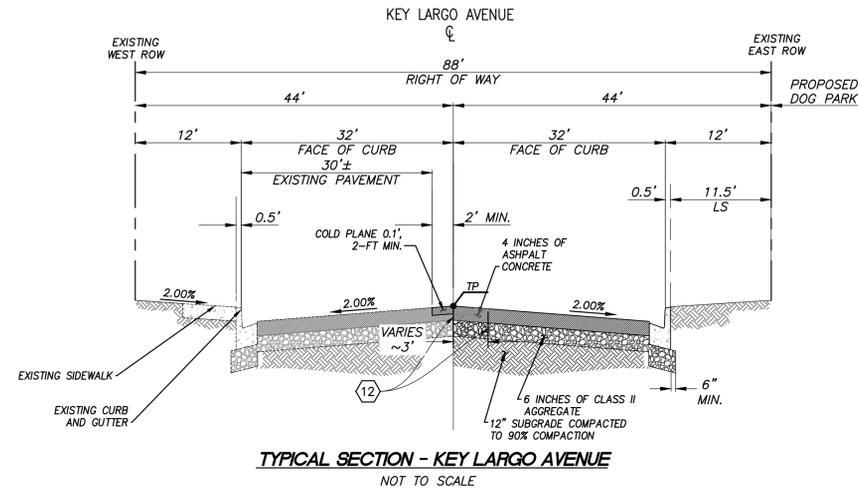
CITY OF RANCHO MIRAGE, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA,
 A PORTION OF THE NE 1/4 OF SECTION 30, TOWNSHIP 4 SOUTH, RANGE 6 EAST, S.B.B.&M
 IP NO. E1500165
 COUNTY OF RIVERSIDE
 PARCEL C
 PARCEL MAP NO. 27225
**RANCHO MIRAGE DOG PARK
 STREET IMPROVEMENT PLAN**

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 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 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

KEY LARGO PLAN & PROFILE

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 |

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



(PLAN CHECK ENGINEER STAMP)

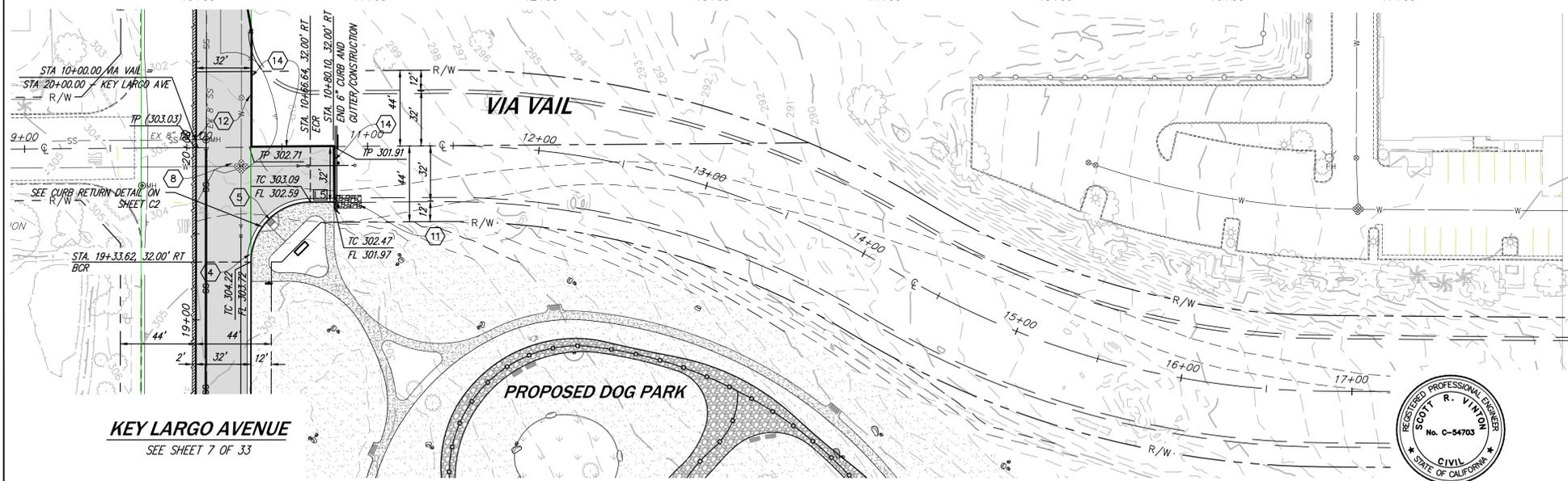
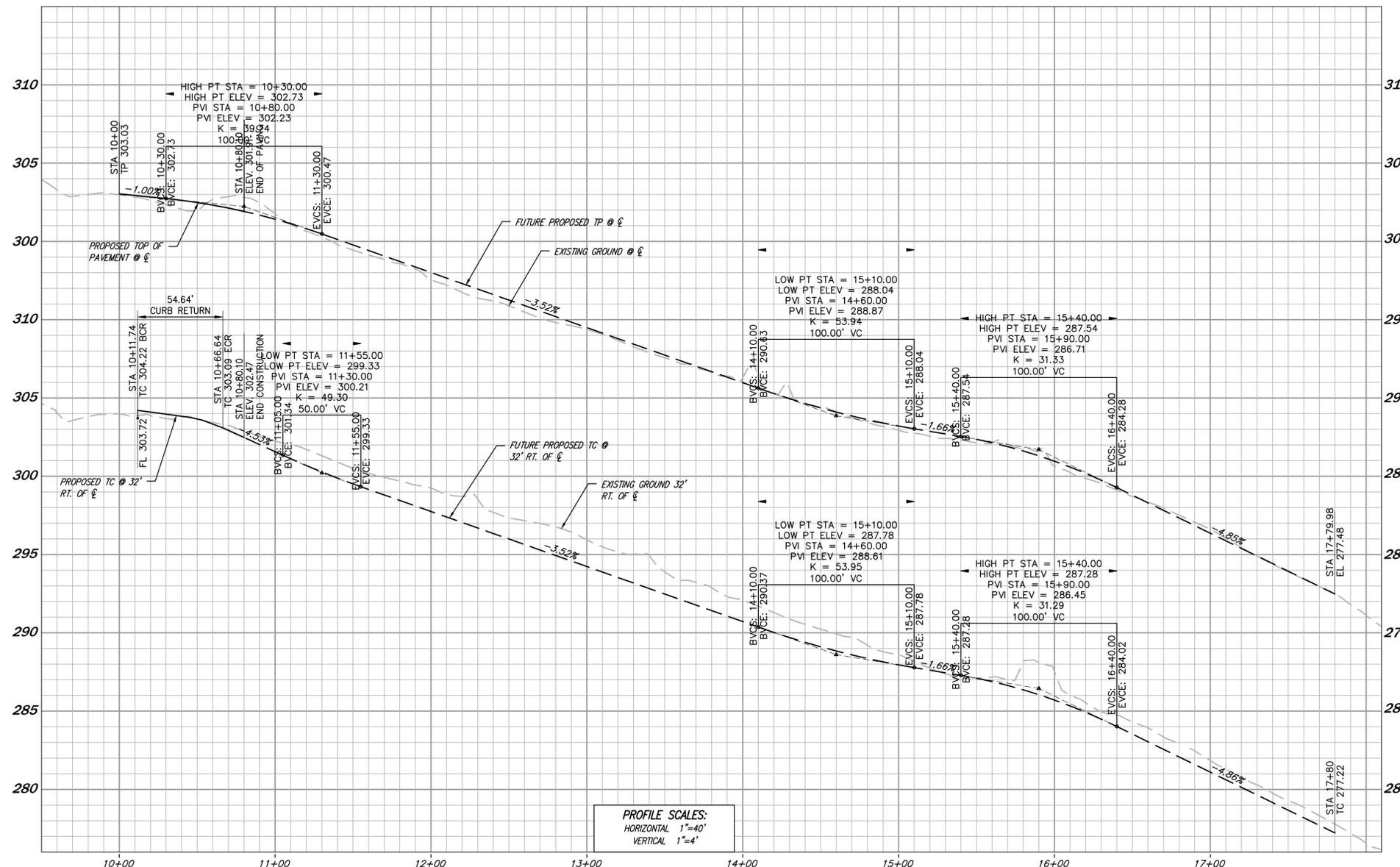
| IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 4116 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR YOUR PRE-EXCAVATION ID NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG | UNAUTHORIZED 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. | <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. | | | | | 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 (NAVD89) | OWNER CITY OF RANCHO MIRAGE 69825 HIGHWAY 111 RANCHO MIRAGE CA 92270 PH 780 770-3224 FAX 780 770-3281 | PREPARED UNDER THE DIRECT SUPERVISION OF: SCOTT R. VINTON R.C.E. 54703 EXP. 12/31/15 DATE GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY: | RECOMMENDED FOR APPROVAL BY: MARK W. SAMBITO R.C.E. 53613, EXP. 6/30/2017 DATE APPROVED BY CITY OF RANCHO MIRAGE: | CITY OF RANCHO MIRAGE RANCHO MIRAGE DOG PARK OFF-SITE IMPROVEMENT PLANS COVER SHEET 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 6 OF 33 PRIVATE REFERENCE # PD8033900 CITY REFERENCE # E1500165 |
|--|---|---|---|-----------|------|------|--|--|--|--|---|--|--|---|--|--|
| | | | # | REVISIONS | DATE | APP. | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 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. | WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017 DATE | | | | | | | | | | | | | | | |

CONSTRUCTION NOTES

- 1 COLD PLANE AND INSTALL 0.1 OVERLAY (2" MIN)
- 2 CONSTRUCT 4" A.C. PAVING OVER 6" CLASS II AGGREGATE BASE (ROADWAY)
- 3 NOT USED
- 4 CONSTRUCT 6" TYPE "A" CURB & GUTTER PER CITY OF RANCHO MIRAGE STD. DTL. 502
- 5 INSTALL DISABLED ACCESS CURB RAMP PER CITY OF RANCHO MIRAGE STD. DTL. 502; DRIVEWAY DETAIL, SHEET 7, COLOR PER ARCHITECT'S PLAN
- 6 CONSTRUCT COMMERCIAL DRIVEWAY APPROACH PER CITY OF RANCHO MIRAGE STD. DTL. 215, COLOR PER ARCHITECT'S PLANS
- 7 INSTALL STREET SIGN PER CITY OF RANCHO MIRAGE STD. DTL. 601
- 8 ADJUST WATER VALVE TO GRADE PER C.V. W.D. STANDARDS.
- 9 PAINT 8' WHITE LANE LINE
- 10 INSTALL BLUE RAISED PAVEMENT FIRE HYDRANT MARKER
- 11 CONSTRUCT RIPRAP 6" TO 8" STONES GROUTED
- 12 SAWCUT AND REMOVE EXISTING A.C. PAVEMENT TO LIMITS SHOWN ON PLAN
- 13 INSTALL BARRICADE PER CITY OF RANCHO MIRAGE STD. DTL. 600
- 14 INSTALL 2"x8" REDWOOD HEADER

| # | Length | Radius | Delta | Tangent |
|----|--------|--------|-------------|---------|
| C1 | 23.56 | 15.00 | 89° 55' 12" | 14.98 |
| C2 | 23.56 | 15.00 | 90° 00' 00" | 15.00 |
| C3 | 54.65 | 35.00 | 89° 28' 17" | 34.68 |

| # | Length | Direction |
|----|--------|------------------|
| L1 | 5.71 | N0° 04' 47.92"E |
| L2 | 36.64 | S89° 55' 12.08"E |
| L3 | 36.72 | N89° 55' 12.08"W |
| L4 | 262.64 | N0° 04' 54.02"E |
| L5 | 13.71 | N89° 33' 05.15"E |



(PLAN CHECK ENGINEER STAMP)

IMPORTANT NOTICE
CALL BEFORE YOU DIG
SECTION 4116 OF THE GOVERNMENT CODE
REQUIRES AN INQUIRY
IDENTIFICATION NUMBER BE
ISSUED BEFORE A PERMIT TO
DITCH/MAKE 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 DAMAGE TO OR INJURY TO PERSONS OR PROPERTY CAUSED BY 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

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:
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

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

SHEET 8 OF 33
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.
- 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 1" PLR "D" (6") CURB PLR C.R.M. STD. DLIAIL 203, COLOR PLR ARCHITECT'S PLAN | LF | 658 |
| ② CONSTRUCT 3" A.C. PAVING OVLR 4" CLASS II BASE FOR ON-SITE PARKING LOT 1 SEE PAVEMENT SECTION DETAIL 5 SHEET 11. | SF | 8,511 |
| ③ CONSTRUCT DRAINAGE CURB DEPRESSION PER DETAIL 11, SHEET 11, COLOR PER ARCHITECT'S PLAN | EA | 1 |
| ④ CONSTRUCT CONCRETE 4" VALLEY GUTTER 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 CALTRANS STD. A240 & A241 PLR DLIAIL 2, SHEET 11. | EA | 1 |
| ⑦ INSTALL HANDICAP ACCESSIBLE STALLS (TYP.) PER C.R.M. STD. DETAIL 214. AS SHOWN ON ARCHITECTURAL PLANS. | EA | 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 (NYOPLAST PART# 3009) INCLUDING COUPLINGS AND CONCRETE COLLAR PLR NYOPLAST DWG NO. 7001 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 | SF | 12,065 |
| ⑮ 12" CONCRETE MAIN FINANCE HAND/SIIP OUTLET DETAIL D, SHEET 14 | SI | 96 |
| ⑯ 4" THICK CONCRETE PAVING (3,250 PSI) OVLR 95% COMPACTION SUBGRADE PLR DETAIL A, SHEET 14 | SI | 15,111 |
| ⑰ HUMPHREYS | EA | 10 |
| ⑱ YELLOW PAINT FOR SHIPPING OR LOADING ZONE | SI | 184 |

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 SHAFTING | SI | 1,404 |
| Ⓗ PLI FOUNTAIN | LA | 2 |
| Ⓘ BULLFIN BOARD SIGN PLR DETAIL C, SHEET 14 | LA | 1 |
| Ⓝ CONCRETE PAVLRS OVLR SAND PLR DETAIL B, SHEET 14 | SF | 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 LOGGING | LF | 650 |
| Ⓝ SODDLED IURF | SF | 15,390 |
| Ⓞ IRASHI CONTAINER | LA | 4 |
| Ⓟ NOT USED | | |
| Ⓠ NOT USED | | |
| Ⓡ CONCRETE DONOR PAVERS OVER SAND PER DETAIL B, SHEET 16 | SF | 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 |
| 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 |
| 000 | INDICATES PROPOSED CURB INLET |
| ○ | 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 |

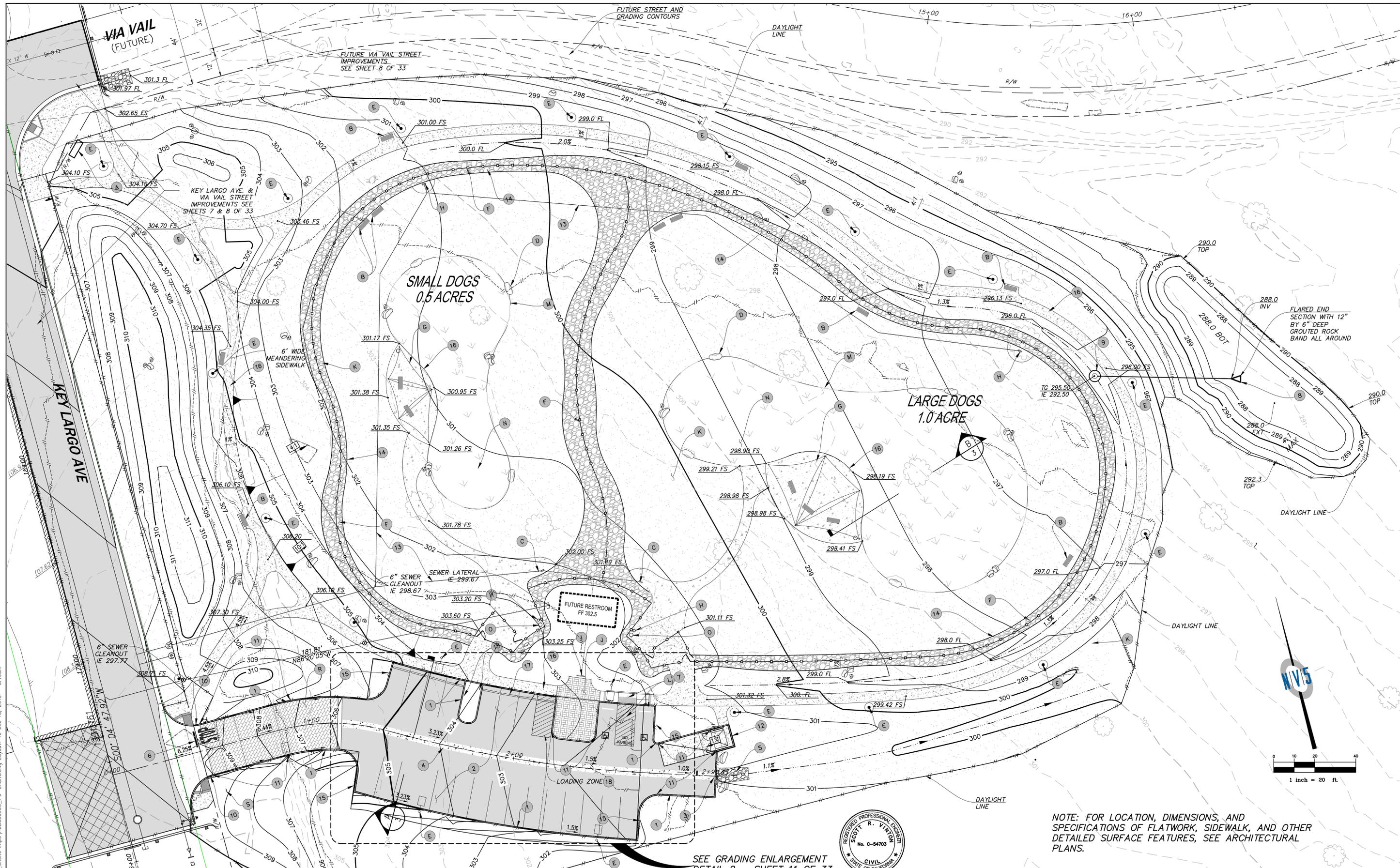
UTILITIES

| | |
|----------------|---|
| WATER & SEWER: | CVDW 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 |

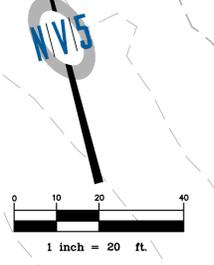


N:\P08033900\Cad\Civil\02_DocSet\Imps\PD08033900_PC-CivilSite.dwg Layout: 9 Dec 15, 2015 - 8:25am

| <p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECURITY #118 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT IS COMPLETED 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 DESIGN, INSTALL, MAINTAIN AND REPAIR RESISTANCE PROFESSIONAL WORKMANSHIP 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 DAMAGES TO THESE LINES OR STRUCTURES.</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 DESIGN, INSTALL, MAINTAIN AND REPAIR RESISTANCE PROFESSIONAL WORKMANSHIP 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.</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 DAMAGES 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 COR, 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 760 770-3224 FAX 760 770-3281</p> | <p>PREPARED UNDER THE DIRECT SUPERVISION OF:</p> <p>SCOTT R. VINTON R.C.E. 54703 EXP. 12/31/15 DATE</p> <p>GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:</p> <p>WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017 DATE</p> | <p>RECOMMENDED FOR APPROVAL BY:</p> <p>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 PRECISE GRADING PLANS</p> <p>SHEET 9 OF 33</p> <p>PROJECT DESCRIPTION: COVER SHEET - NOTES AND LEGEND</p> <p>SITE ADDRESS: KEY LARGO AVE AND VIA VAIL</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>PRIVATE REFERENCE # PD08033900</p> <p>CITY REFERENCE # E1500165</p> |
|---|--|---|------|-----------|------|------|--|--|--|--|--|---|---|--|---|
| # | REVISIONS | DATE | APP. | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |



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 HOURLY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE MAILED FOR YOUR PRE-EXCAVATION. 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 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 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 LINES OR STRUCTURES.

| # | REVISIONS | DATE | APP. |
|---|-----------|------|------|
| | | | |

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 298.305 (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
GEOLOGICAL CERTIFICATION, IF REQUIRED, BY: DATE

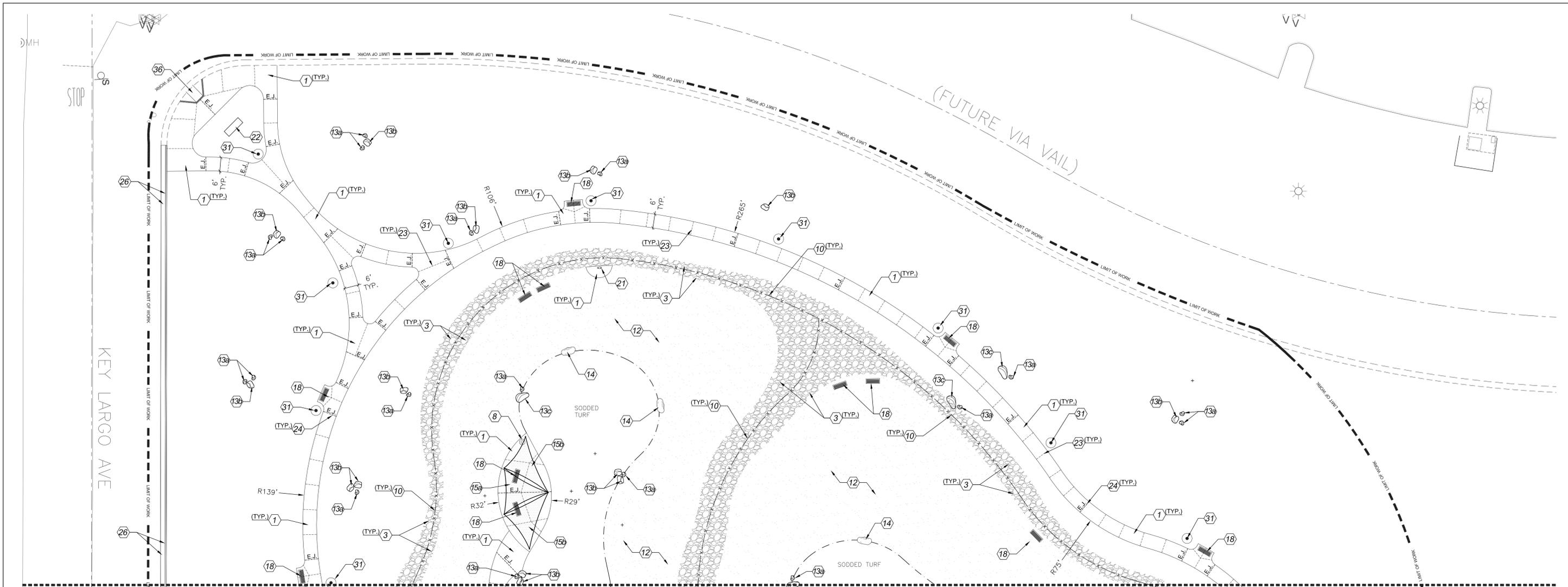
RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO R.C.E. 53613, EXP. 6/30/2017 DATE
APPROVED BY CITY OF RANCHO MIRAGE:
WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017 DATE

CITY OF RANCHO MIRAGE
RANCHO MIRAGE DOG PARK
PRECISE GRADING PLANS

PROJECT DESCRIPTION: KEY LARGO AVE AND VIA VAIL
SITE ADDRESS: KEY LARGO AVE AND VIA VAIL
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

N:\PDB033900\Cadd\Cadd\02_Orsite\Imps\PD033900_P0-C0-OrSite.dwg Layout: 10 Dec 15, 2015 - 8:10am



MATCHLINE, SEE SHEET 13

CONSTRUCTION LEGEND (CONTINUED):

CONSTRUCTION LEGEND:

| DESCRIPTION | QTY.* | SUPPLIER | DETAIL |
|---|-----------------------------------|---|-----------------------|
| 1 CONSTRUCT 4" THICK CONCRETE (3,250 PSI MIN.) PAVING, COLOR TO BE SCOFIELD 'MESA BEIGE' #C-12, 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 SCOFIELD 'MESA BEIGE' #C-12. 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 'APACHE SUNSET' | 12,065 SF | SOUTHWEST BOULDER & STONE (877)792-7625 | DETAIL 'C' SHEET 16 |
| 4 ASPHALT PAVING PER GRADING PLANS | 8,511 SF | | DETAIL '5' 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-C' SHEET 14 |
| 7 CONSTRUCT DISABLED ACCESS CURB RAMP | 1 EA | | DETAIL 'A' SHEET 14 |
| 8 INSTALL TRASH RECEPTACLE. BOLT RECEPTACLE THROUGH BOTTOM TO KEEP IN PLACE. | 4 EA | QUICK CRETE PRODUCTS (951)737-6240 | DETAIL 'E' SHEET 16 |
| 9 CONSTRUCT 12" MAINTENANCE BAND ADJACENT TO CURB, COLOR TO BE SCOFIELD 'MESA BEIGE' #C-12 | 96 SF | | DETAIL 'D' SHEET 14 |
| 10 INSTALL 6" HIGH 'ECHELON PLUS PUPPY PANEL' 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 'ECHELON PLUS PUPPY PANEL' 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 COLOR TO BE: CREAM | 471 SF | | |
| 15b INSTALL SHADE SAIL; POWDER COATED STEEL COLOR TO BE: ALMOND; FABRIC COLOR TO BE: NAVY | 297 SF | SHADE FOR PLAY (949)892-6403 | PER MANUF. SPECS |
| 15c INSTALL SHADE SAIL; POWDER COATED STEEL COLOR TO BE: ALMOND; 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 'TOSCANA' | 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 | PER MANUF. SPECS |
| 21 INSTALL MOST DEPENDABLE PET FOUNTAIN #300-SM W/ SURFACE CARRIER, COLOR TO BE 'PYRITE' | 2 EA | MOST DEPENDABLE FOUNTAINS 800-225-7473 | PER MANUF. SPECS |
| 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 |

*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 (CONTINUED):

| DESCRIPTION | QTY.* | SUPPLIER | DETAIL |
|---|--------|--------------------------------|---------------------|
| 24 CONSTRUCT EXPANSION JOINT AT 50' O.C. | | E.J. | DETAIL 'A' SHEET 14 |
| 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 | 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 'B' SHEET 17 |
| 31 LIGHTING PER ELECTRICAL PLAN | | | |
| 32 CONSTRUCT CONCRETE CURB (3,250 PSI), COLOR TO BE SCOFIELD 'MESA BEIGE' #C-12 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 SCOFIELD 'MESA BEIGE' #C-12 | 660 SF | | |
| 35 CONSTRUCT 4" WIDE CONCRETE VALLEY GUTTER PER CITY STD. DTL. 220, COLOR TO BE SCOFIELD 'MESA BEIGE' #C-12 | 184 LF | | |
| 36 CONSTRUCT ACCESS RAMP PER CITY STD. DTL. 502, COLOR TO BE SCOFIELD 'MESA BEIGE' #C-12 | 3 EA | | |

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.



Dec 15, 2015 - 9:53am 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 INQUIRY
IDENTIFICATION NUMBER BE
ISSUED BEFORE A PERMIT TO
EXCAVATE WILL BE HELD. 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 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 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. |
|---|-----------|------|------|
| | | | |



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

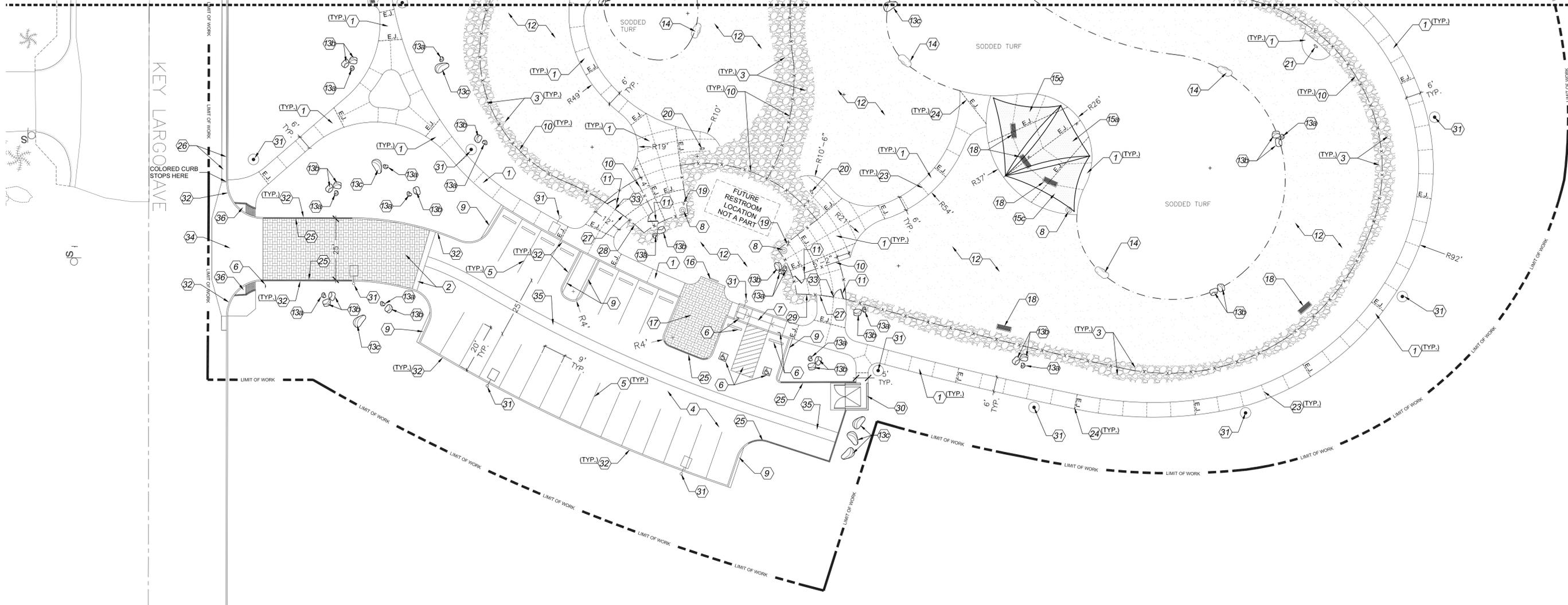
GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
BRETT S. ANDERSON, PRINCIPAL ENGINEER
R.C.E. C43389, EXP. 9/30/16
DATE 12/14/15

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 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



CONSTRUCTION LEGEND:

| DESCRIPTION | QTY.* | SUPPLIER | DETAIL |
|--|-----------------------------------|---|-----------------------|
| 1 CONSTRUCT 4" THICK CONCRETE (3,250 PSI MIN.) PAVING, COLOR TO BE SCOFIELD 'MESA BEIGE' #C-12, 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 SCOFIELD 'MESA BEIGE' #C-12, 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 'APACHE SUNSET' | 12,065 SF | SOUTHWEST BOULDER & STONE (877)792-7625 | DETAIL 'C' SHEET 16 |
| 4 ASPHALT PAVING PER GRADING PLANS | 8,511 SF | | DETAIL '5' 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-C' 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 SCOFIELD 'MESA BEIGE' #C-12 | 96 SF | | DETAIL 'D' SHEET 14 |
| 10 INSTALL 6" HIGH 'ECHELON PLUS PUPPY PANEL' 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 'ECHELON PLUS PUPPY PANEL' 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 |

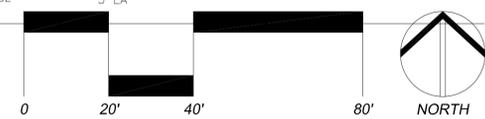
CONSTRUCTION LEGEND (CONTINUED):

| DESCRIPTION | QTY.* | SUPPLIER | DETAIL |
|---|--------|--|---------------------|
| 15a INSTALL SHADE SAIL; POWDER COATED STEEL COLOR TO BE: ALMOND; FABRIC COLOR TO BE: CREAM | 471 SF | | |
| 15b INSTALL SHADE SAIL; POWDER COATED STEEL COLOR TO BE: ALMOND; FABRIC COLOR TO BE: NAVY | 297 SF | SHADE FOR PLAY (949)892-6403 | PER MANUF. SPECS |
| 15c INSTALL SHADE SAIL; POWDER COATED STEEL COLOR TO BE: ALMOND; 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 'TOSCANA' | 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 | PER MANUF. SPECS |
| 21 INSTALL MOST DEPENDABLE PET FOUNTAIN #300-SM W/ SURFACE CARRIER, COLOR TO BE 'PYRITE' | 2 EA | MOST DEPENDABLE FOUNTAINS 800-225-7473 | PER MANUF. SPECS |
| 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 |

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

CONSTRUCTION LEGEND (CONTINUED):

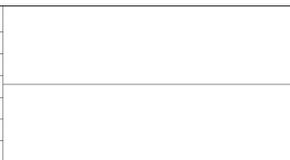
| DESCRIPTION | QTY.* | SUPPLIER | DETAIL |
|--|--------|--------------------------------|---------------------|
| 24 CONSTRUCT EXPANSION JOINT AT 50' O.C. | | E.J. | DETAIL 'A' SHEET 14 |
| 25 PAINT CURB RED WITH TRAFFIC PAINT PER CITY SPECIFICATIONS. | 131 LF | | |
| 26 KEY LARGO AVENUE CURB AND GUTTER 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 'B' SHEET 17 |
| 31 LIGHTING PER ELECTRICAL PLAN | | | |
| 32 CONSTRUCT CONCRETE CURB (3,250 PSI), COLOR TO BE SCOFIELD 'MESA BEIGE' #C-12 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 SCOFIELD 'MESA BEIGE' #C-12 | 660 SF | | |
| 35 CONSTRUCT 4" WIDE CONCRETE VALLEY GUTTER PER CITY STD. DTL. 220, COLOR TO BE SCOFIELD 'MESA BEIGE' #C-12 | 184 LF | | |
| 36 CONSTRUCT ACCESS RAMP PER CITY STD. DTL. 202, COLOR TO BE SCOFIELD 'MESA BEIGE' #C-12 WITH LT. BROOM FINISH. 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. | 3 EA | | |



IMPORTANT NOTICE
CALL BEFORE YOU DIG
SECTION 4716 OF THE GOVERNMENT CODE
REQUIRES AN INQUIRY
GENERATION 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. |
|---|-----------|------|------|
| | | | |



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

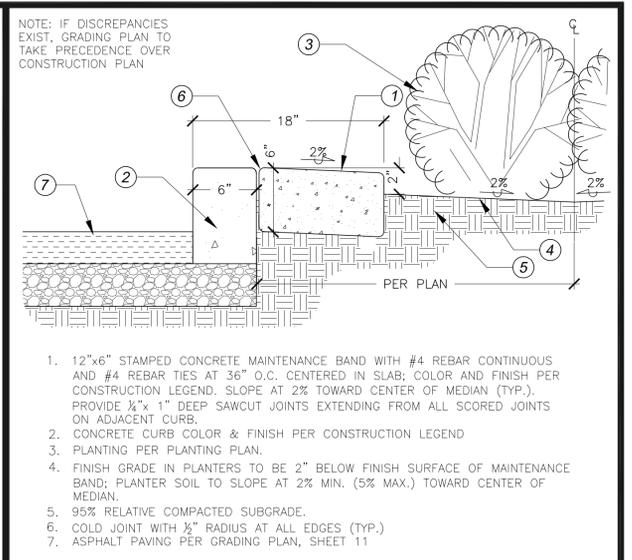
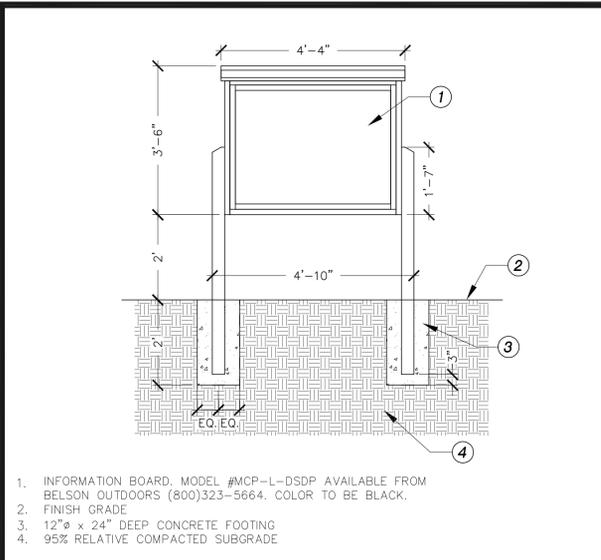
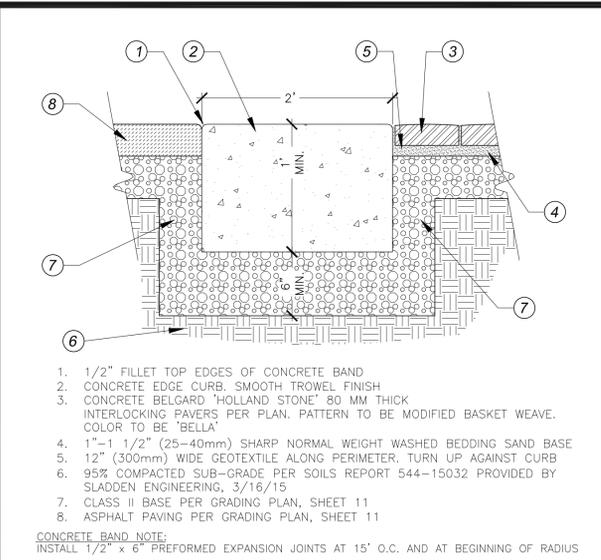
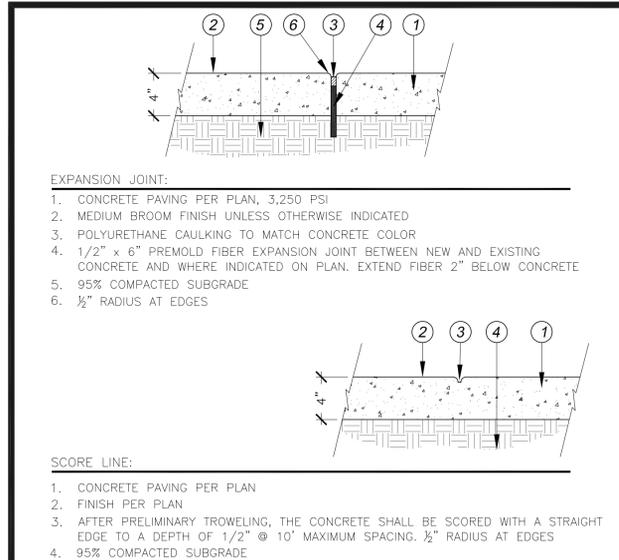
GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
BRETT S. ANDERSON, PRINCIPAL ENGINEER
R.C.E. 44338, EXP. 9/30/16
DATE 12/14/15

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 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

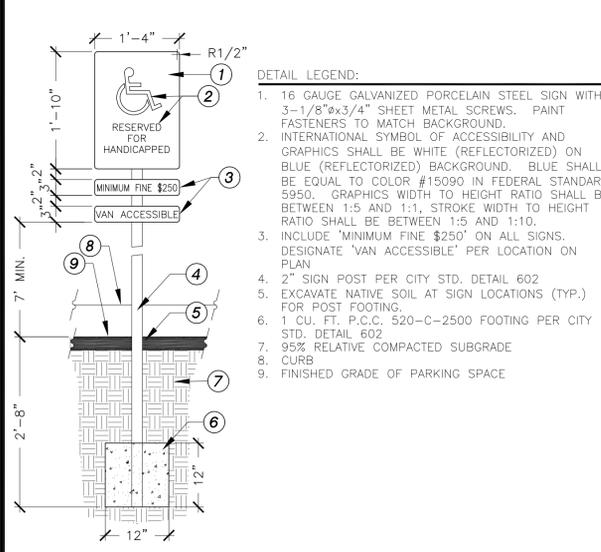
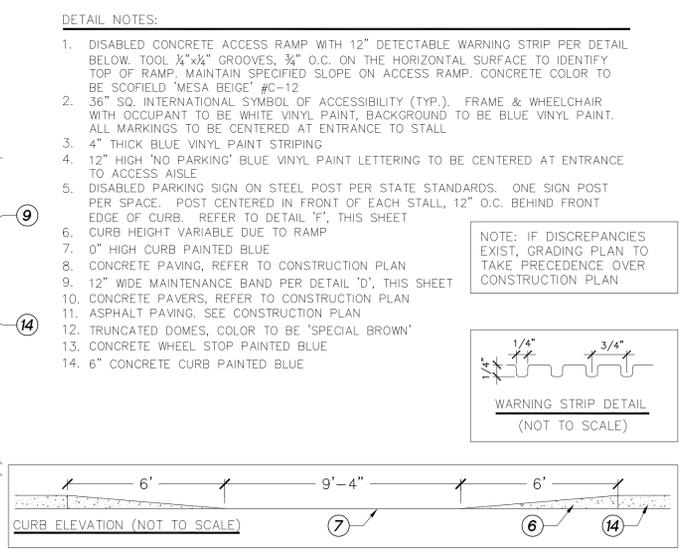
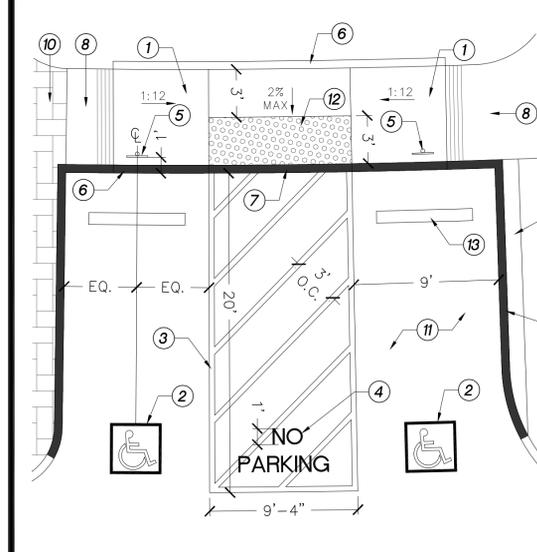


A Joints/Concrete Paving

B Concrete Pavers

C Information Board

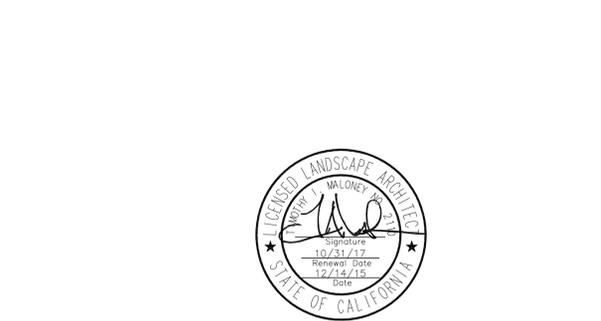
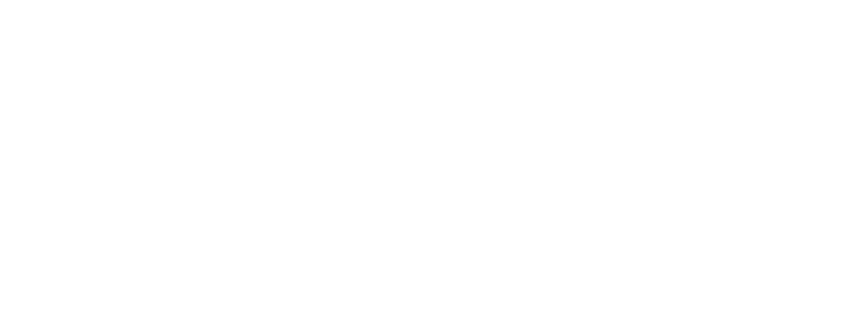
D Maintenance Band



E ADA Parking

F ADA Parking Sign

G ADA Parking Entry Sign



| # | REVISIONS | DATE | APP. |
|---|-----------|------|------|
| | | | |

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 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 OBTAIN, 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 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
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
TIM MALONEY, RLA 2110, EXP. 10/31/17
DATE 12/14/15

GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
Brett Anderson
BRETT S. ANDERSON, PRINCIPAL ENGINEER
R.C.E. C43389, EXP. 9/30/16
DATE 12/14/15

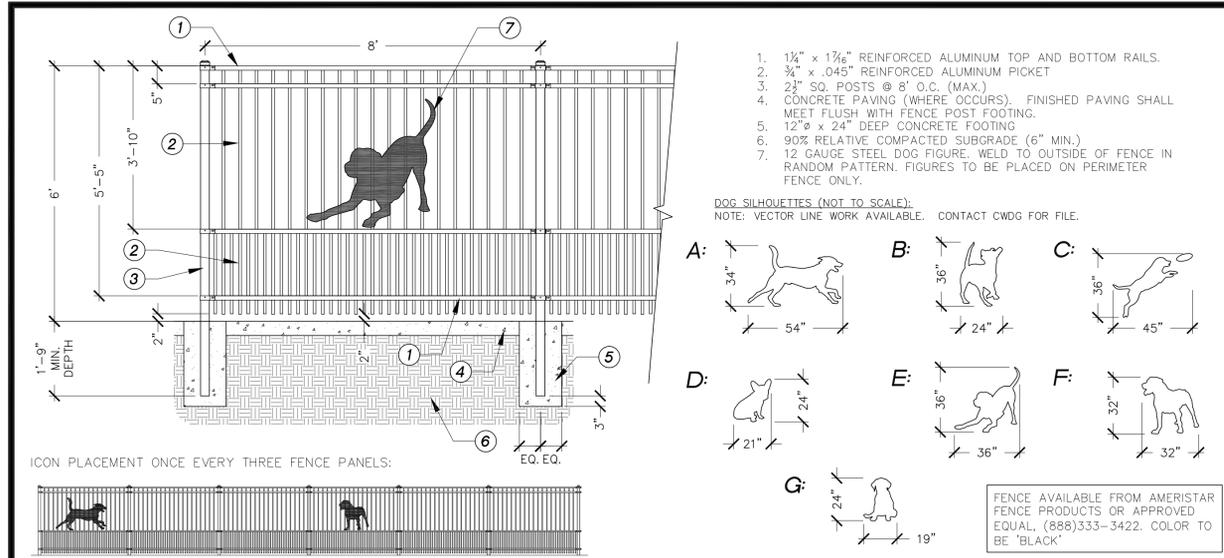
RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO
R.C.E. 53613, EXP. 6/30/2017
DATE
APPROVED BY CITY OF RANCHO MIRAGE:
WILLIAM A. ENOS, CITY ENGINEER
R.C.E. 43910, EXP. 6/30/2017
DATE

CITY OF RANCHO MIRAGE
CONSTRUCTION DETAIL SHEET

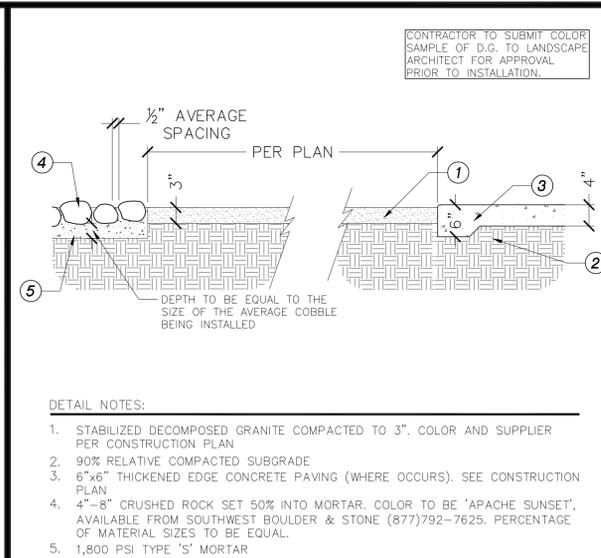
PROJECT RANCHO MIRAGE DOG PARK
DESCRIPTION C.P. 14-311
SITE ADDRESS 34-100 KEY LARGO AVENUE
LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF
SEC. 30, T. 4 S., R. 6 E., S.R.B. & M. A.P.N. 685-090-011

SHEET 14
OF 33
PRIVATE REFERENCE # 150109
PERMIT # E1500165

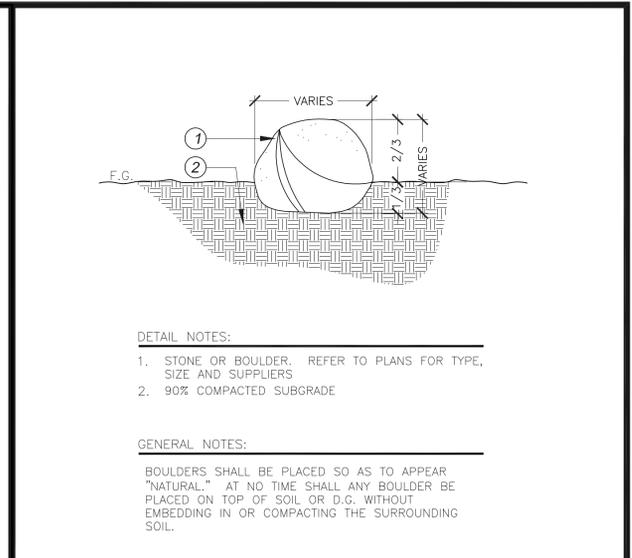




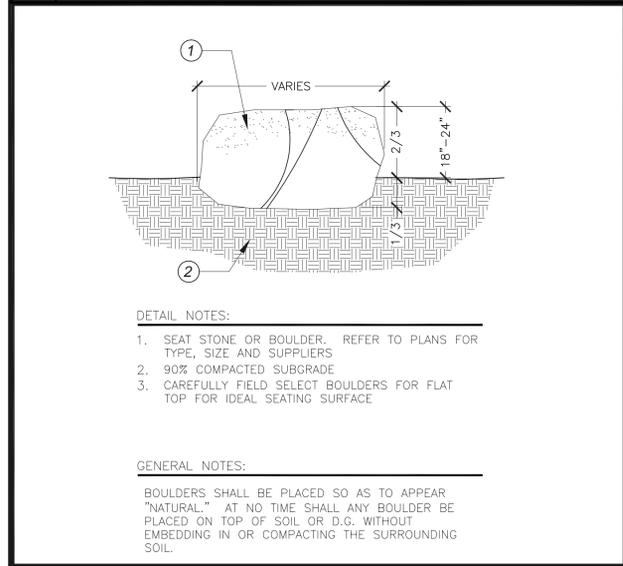
A Aluminum Fence SCALE: 1/2"=1'



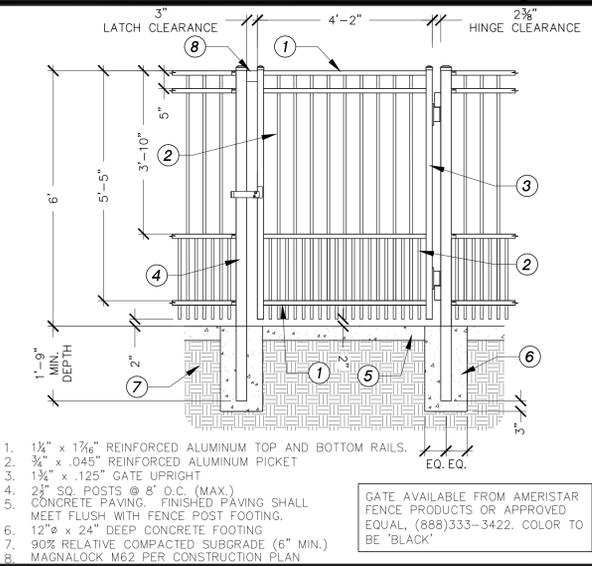
B Decomposed Granite SCALE: 3/4"=1'



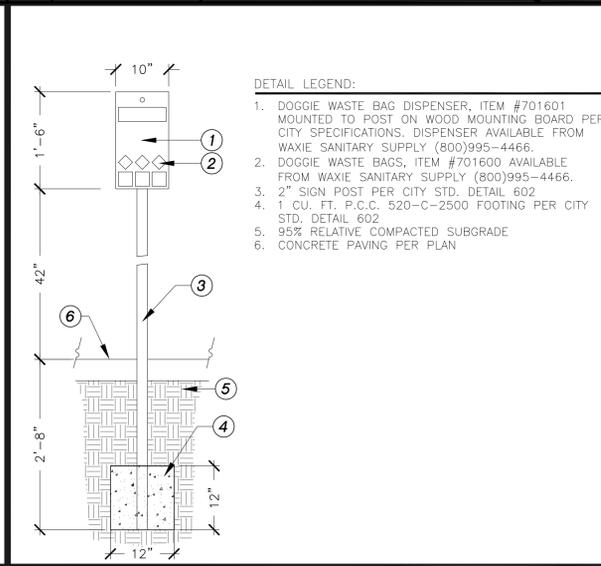
C Boulder Installation SCALE: 1"=1'-0"



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



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



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

Dec 14, 2015 - 1:56pm 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 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. |
|---|-----------|------|------|
| | | | |



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 12/14/15 DATE
TIM MALONEY, RLA 2110, EXP. 10/31/17
GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
Brett S. Anderson 12/14/15 DATE
BRETT S. ANDERSON, PRINCIPAL ENGINEER R.C.E. C43389, 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

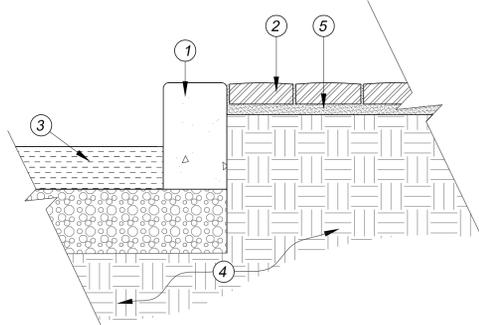
CITY OF RANCHO MIRAGE
CONSTRUCTION DETAIL SHEET
PROJECT RANCHO MIRAGE DOG PARK
DESCRIPTION C.P. 14-311
SITE ADDRESS 34-100 KEY LARGO AVENUE
LEGAL DESCRIPTION A PORTION OF THE NE QUARTER OF SEC. 30, T. 4 S., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

SHEET 15 OF 33
PRIVATE REFERENCE # 150109
PERMIT # E1500165

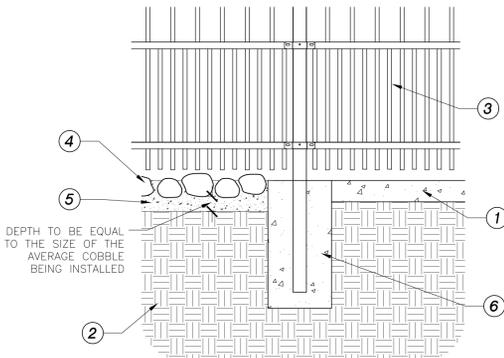


"CASCADE" 25 GALLON PRECAST CONCRETE WASTE RECEPTACLE, MODEL #QR-CE3036W-A25. COLOR TO BE "NATURAL C1-T2"
LID COLOR TO BE "BLACK"
AVAILABLE FROM QUICK CRETE PRODUCTS CORP. (951)737-6240

*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. 90% 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. 90% 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 "APACHE SUNSET", 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 Cobble

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-T1". 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

IMPORTANT NOTICE
CALL BEFORE YOU DIG
SECTION 4216 OF THE GOVERNMENT CODE
REQUIRES AN INDUSTRY
REGISTRATION 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 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, 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. |
|---|-----------|------|------|
| | | | |
| | | | |

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

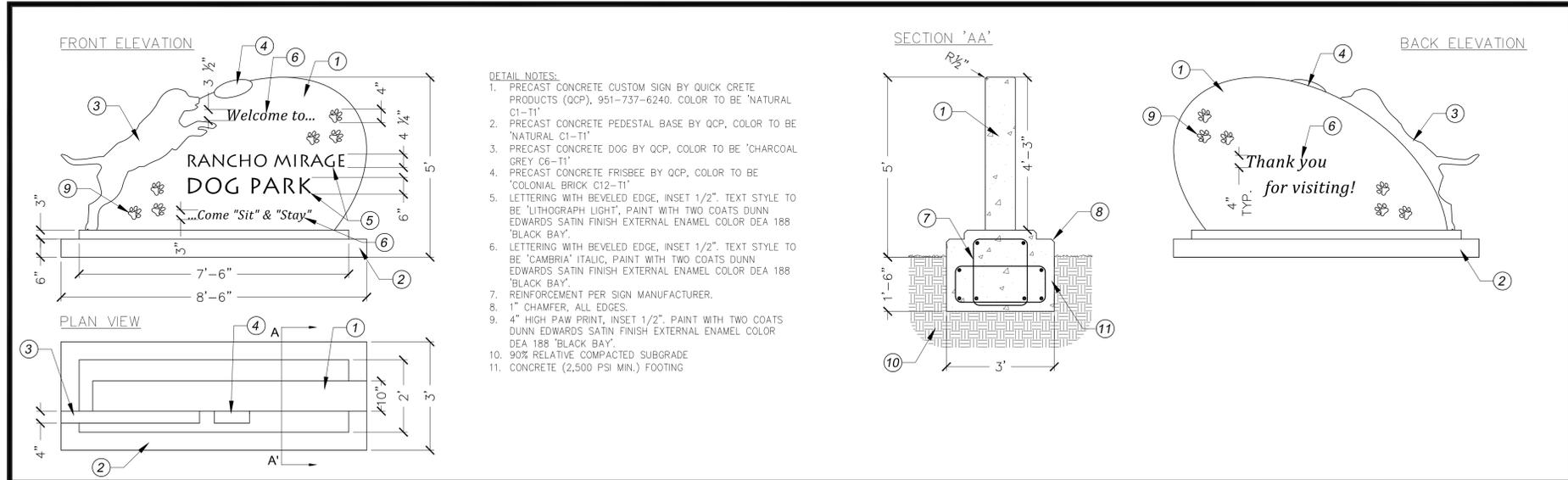
PREPARED UNDER THE DIRECT SUPERVISION OF:
TIM MALONEY, RLA 2110, EXP. 10/31/17
DATE 12/14/15
GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
BRETT S. ANDERSON, PRINCIPAL ENGINEER
R.C.E. C43389, EXP. 9/30/16
DATE 12/14/15

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 16 OF 33
PRIVATE REFERENCE # 150109
PERMIT # E1500165

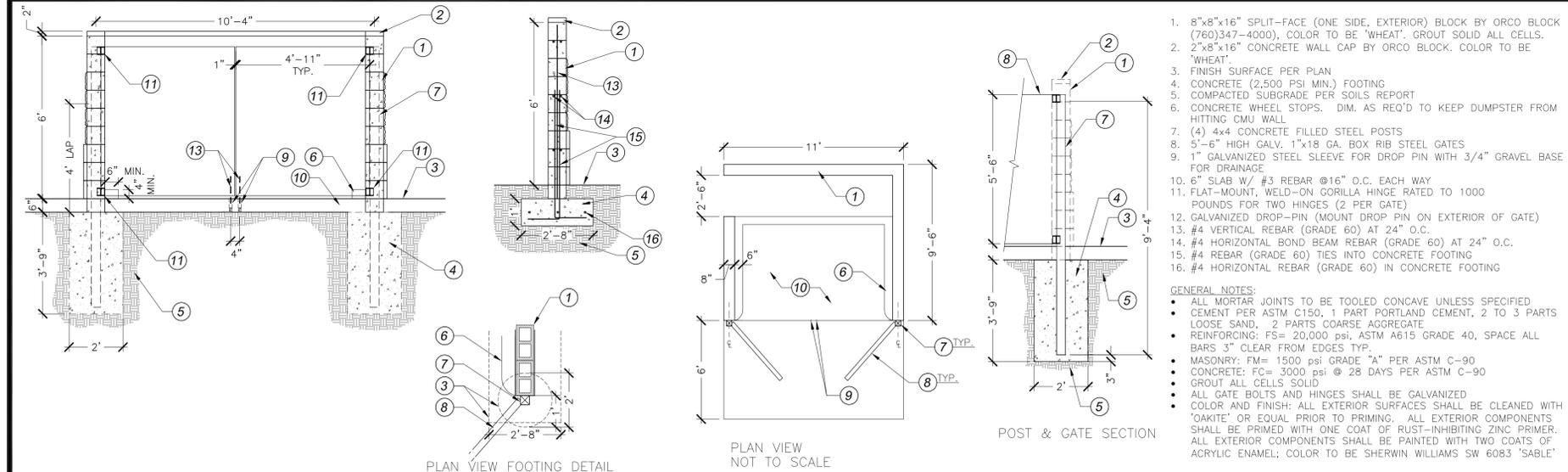




- DETAIL NOTES:**
1. PRECAST CONCRETE CUSTOM SIGN BY QUICK CRETE PRODUCTS (QCP), 951-737-6240. COLOR TO BE 'NATURAL C1-T1'
 2. PRECAST CONCRETE PEDESTAL BASE BY QCP. COLOR TO BE 'NATURAL C1-T1'
 3. PRECAST CONCRETE DOG BY QCP. COLOR TO BE 'CHARCOAL GREY C6-T1'
 4. PRECAST CONCRETE FRISBEE BY QCP. COLOR TO BE 'COLONIAL BRICK C12-T1'
 5. LETTERING WITH BEVELED EDGE, INSET 1/2". TEXT STYLE TO BE 'LITHOGRAPH LIGHT, PAINT WITH TWO COATS DUNN EDWARDS SATIN FINISH EXTERNAL ENAMEL COLOR DEA 188 'BLACK BAY'.
 6. LETTERING WITH BEVELED EDGE, INSET 1/2". TEXT STYLE TO BE 'CAMBRIA' ITALIC, PAINT WITH TWO COATS DUNN EDWARDS SATIN FINISH EXTERNAL ENAMEL COLOR DEA 188 'BLACK BAY'.
 7. REINFORCEMENT PER SIGN MANUFACTURER.
 8. 1" CHAMFER, ALL EDGES.
 9. 4" HIGH PAW PRINT, INSET 1/2". PAINT WITH TWO COATS DUNN EDWARDS SATIN FINISH EXTERNAL ENAMEL COLOR DEA 188 'BLACK BAY'.
 10. 90% RELATIVE COMPACTED SUBGRADE
 11. CONCRETE (2,500 PSI MIN.) FOOTING

A Monument Sign

1/2"=1'



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 VERTICAL 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'

B Block Wall Trash Enclosure

3/8"=1'

Dec 14, 2015 - 1:56pm 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 INDUSTRY
GENERATION 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 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, 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. |
|---|-----------|------|------|
| | | | |
| | | | |

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 12/14/15 DATE
TIM MALONEY, RLA 2110, EXP. 10/31/17 DATE
GEO TECHNICAL CERTIFICATION, IF REQUIRED, BY:
Brett S. Anderson 12/14/15 DATE
BRETT S. ANDERSON, PRINCIPAL ENGINEER R.C.E. C43389, EXP. 9/30/16

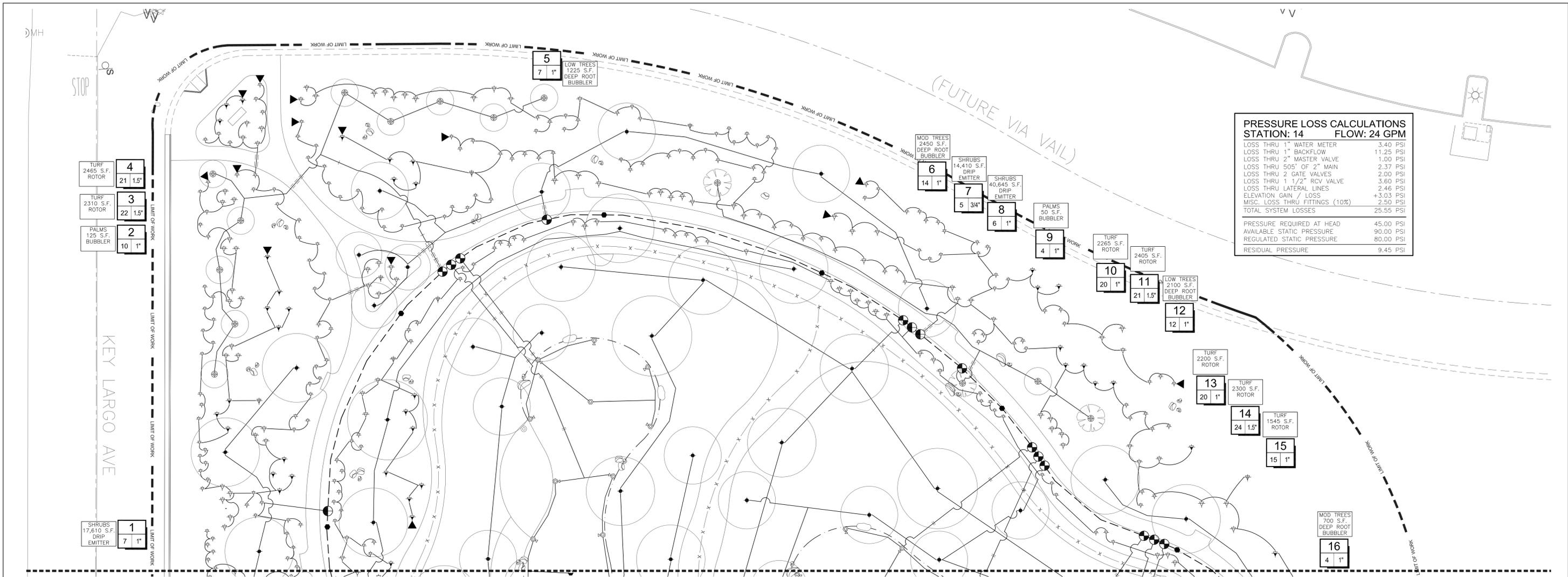
RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO DATE
MARK W. SAMBITO, R.C.E. 53613, EXP. 6/30/2017
APPROVED BY CITY OF RANCHO MIRAGE:
WILLIAM A. ENOS, CITY ENGINEER DATE
WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017

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





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 505' 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 | 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 825Y REDUCED PRESSURE BACKFLOW PREVENTER LOCATED IN A STRONG BOX SBBC-30SS VANDAL RESISTANT ENCLOSURE 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 |
| Ⓢ | 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 | | |
| ⊖ | 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

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

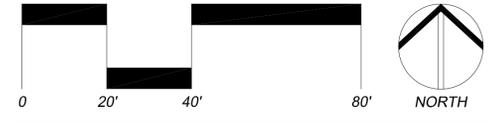
| | | |
|---------------|-------------|----------------|
| 1 1/4" SLEEVE | 1-4 WIRES | 1/2" PIPE |
| 1 1/2" SLEEVE | 5-10 WIRES | 3/4" PIPE |
| 2" SLEEVE | 11-20 WIRES | 1" PIPE |
| 2 1/2" SLEEVE | 21-30 WIRES | 1 1/4" PIPE |
| 3" SLEEVE | 31-40 WIRES | 1 1/2" PIPE |
| 4" SLEEVE | 41-60 WIRES | 2" PIPE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

SPRINKLER LEGEND

| SYMBOL | MANUFACTURER/MODEL # | NOZZLE | RAD. | PSI | FLOW (GPM) | | | | | PRECIP RATE | DETAIL | NOTES |
|--------|--------------------------|--------|------|-----|------------|---|------|----|------|-------------|-------------|-------|
| | | | | | Q | T | H | TT | TQ | | | |
| ⊖ | 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 | |

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



These plans have been reviewed by the Coachella Valley water District in accordance with Water Code Title 7, Division 1, Chapter 3, Article 10.8, Section 65597 et seq. requiring efficient landscape and irrigation design in cooperation with the local governing agency (City or County)

DATE _____ Water Management Specialist
Development Service Supervisor

Dec 14, 2015 - 1:57pm Allison Rush F:\Rancho Mirage Dog Park\CD's\Irrigation.dwg

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 AND THE PROTECTION OF
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 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. |
|---|-----------|------|------|
| | | | |

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:
[Signature] 12/14/15
TIM MALONEY, RLA 2110, EXP. 10/31/17
DATE

GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
[Signature] 12/14/15
BRETT S. ANDERSON, PRINCIPAL ENGINEER
R.C.E. C43389, EXP. 6/30/16
DATE

RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO 12/14/15
R.C.E. 53613, EXP. 6/30/2017
DATE

APPROVED BY CITY OF RANCHO MIRAGE:
WILLIAM A. ENOS, CITY ENGINEER 12/14/15
R.C.E. 43910, EXP. 6/30/2017
DATE

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

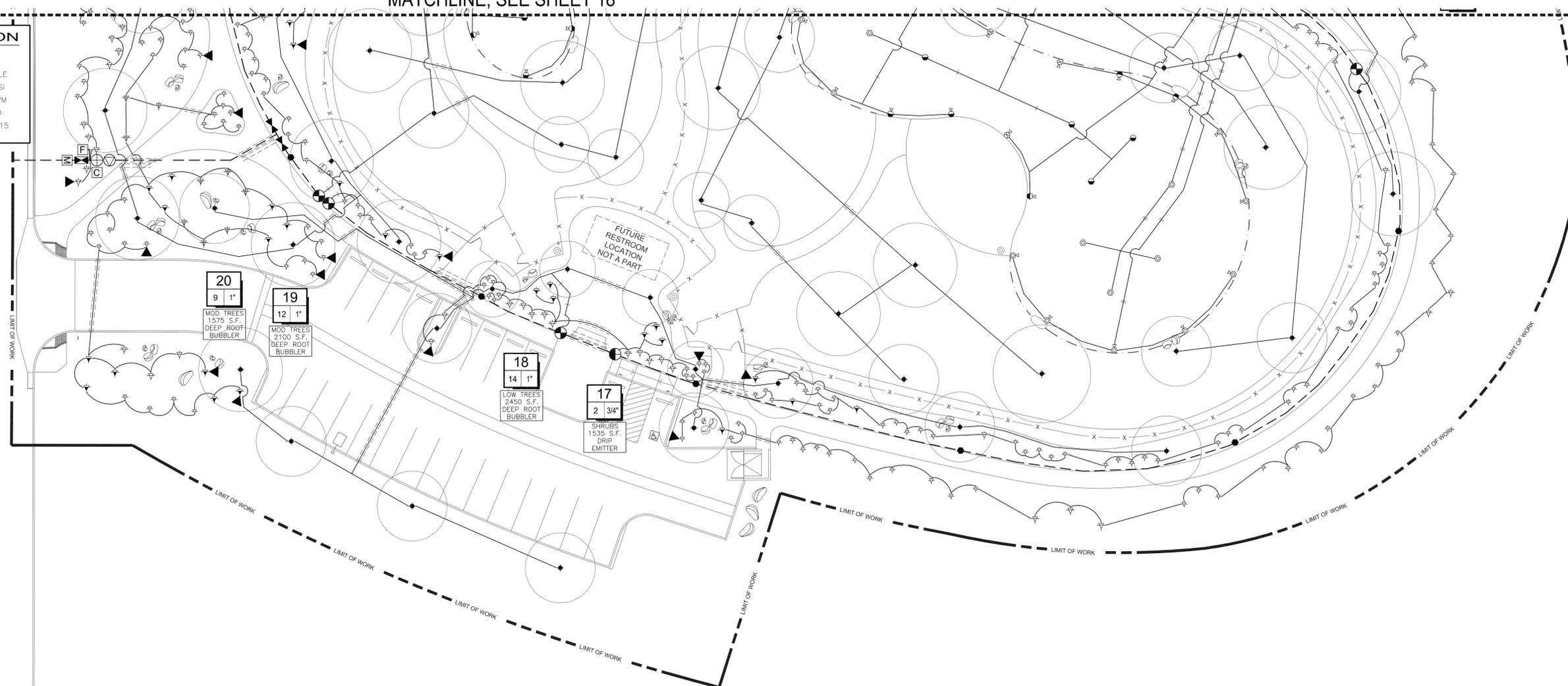
SHEET 18 OF 33
PRIVATE REFERENCE # 150109
PERMIT # E1500165

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 | 1" | N/A | BY CWD |
| [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 PEDestal MOUNT ENCLOSURE WITH EXTERNAL ANTENNA | 24 STA. | 'A', SH. 20 | (1) |
| [F] | FEBCO 825Y REDUCED PRESSURE BACKFLOW PREVENTER LOCATED IN A STRONG BOX SBB0-30SS VANDAL RESISTANT ENCLOSURE BY CWD | 1" | 'B', SH. 20 | BY CWD |
| [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) |
| [V] | RAINBIRD FS-100B FLOW METER | 1" | 'D', SH. 20 | (2) |
| [X] | 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) |
| [V] | 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 |
| [S] | 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 (GPH) | | | | | DETAIL | NOTES |
|---------------------------|--|--------|-----|------------|---|---|------|------------|---------|-------|
| | | | | Q | T | H | F | Van | | |
| EMITTERS/ BUBBLERS | | | | | | | | | | |
| [•] | SALCO SLV-PSTR-CV-05 | F | 30 | | | | 0.59 | '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 | | | |
| 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 |

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

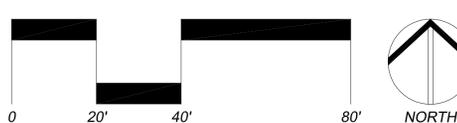
| FLOW (GPM) | VALVE SIZE |
|------------|------------|
| [---] | [---] |

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 |

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

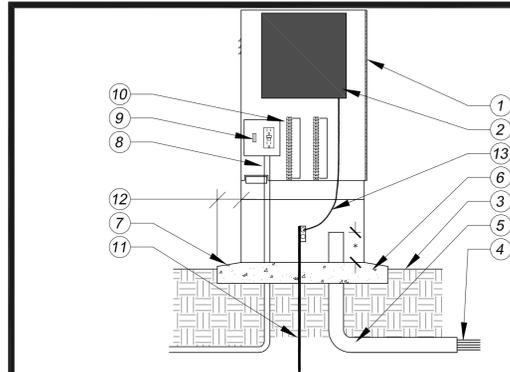


These plans have been reviewed by the Coachella Valley water District in accordance with Water Code Title 7, Division 1, Chapter 3, Article 10.8, Section 65597 et seq. requiring effluent landscape and irrigation design in cooperation with the local governing agency (City or County)

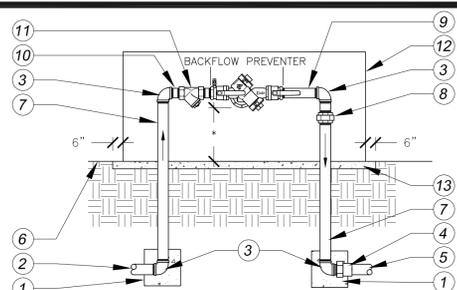
DATE _____ Water Management Specialist _____

Development Service Supervisor _____

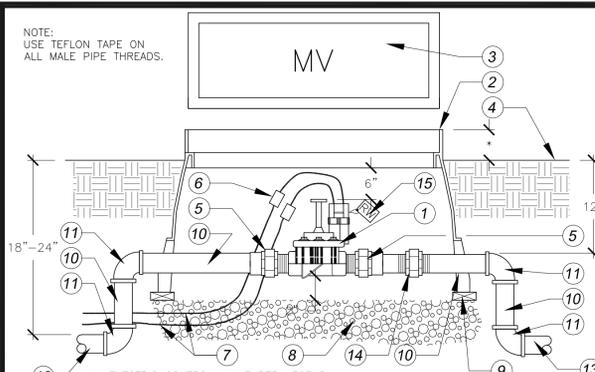
| <p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 4216 OF THE GOVERNMENT CODE REQUIRES AN INDUSTRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR YOUR PRE-EXCAVATION ID NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG</p> | <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, 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> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | # | REVISIONS | DATE | APP. | | | | | <p>COMMUNITY WORKS DESIGN GROUP 4649 BROCKTON AVENUE 951-369-0700 RIVERSIDE, CA 92506</p> | <p>PREPARED UNDER THE DIRECT SUPERVISION OF: <i>[Signature]</i> TIM MALONEY, RLA 2110, EXP. 10/31/17 DATE 12/14/15</p> | <p>RECOMMENDED FOR APPROVAL BY: MARK W. SAMBITO R.C.E. 53613, EXP. 6/30/2017 DATE _____</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> |
|--|---|---|---|-----------|------|------|--|--|--|--|---|--|---|--|--|
| | | | # | REVISIONS | DATE | APP. | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| <p>CITY OF RANCHO MIRAGE 69825 HIGHWAY 111 RANCHO MIRAGE, CA 92270 760-770-3224</p> | <p>APPROVED BY CITY OF RANCHO MIRAGE: <i>[Signature]</i> BRETT S. ANDERSON, PRINCIPAL ENGINEER R.C.E. C43389, EXP. 9/30/16 DATE 12/14/15</p> | <p>WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017 DATE _____</p> | <p>Development Service Supervisor _____</p> | | | | | | | | | | | | |



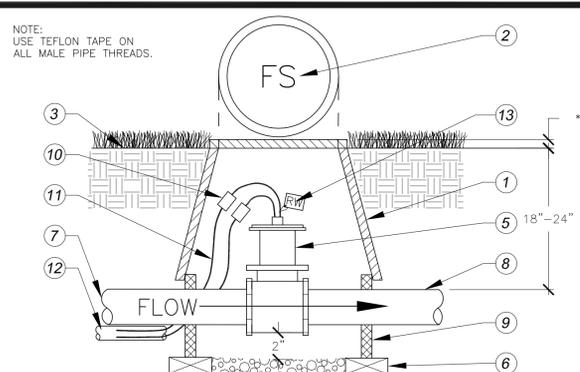
1. CONTROLLER ENCLOSURE PER LEGEND AND/OR NOTES
2. AUTOMATIC CONTROLLER PER LEGEND
3. FINISH GRADE
4. DIRECT BURIAL CONTROL WIRES TO VALVES
5. 3" PVC SWEEP ELL - EXTEND BEYOND EDGE OF BASE
6. 'QUICKPAD' ENCLOSURE MOUNTING PAD PER MFG'S SPECS
7. SLOPE EDGE OF BASE 1% TO DRAIN AWAY FROM ENCLOSURE
8. 120V AC POWER IN CONDUIT
9. 120V ON-OFF SWITCH WITH CONVENIENCE OUTLET
10. TERMINAL STRIPS FOR CONTROL WIRES
11. 5/8" x 5' MIN. LENGTH COPPER GROUNDING ROD
12. EXTEND EDGE OF BASE 6" BEYOND EDGE OF ENCLOSURE
13. GROUND CONTROLLER PER MANUFACTURER * EXTEND 4" ABOVE TOP OF BASE



1. 12"x12"x12" MINIMUM CONCRETE THRUST BLOCK
 2. TO 'POINT OF CONNECTION' - ADAPT AS NECESSARY
 3. BRASS 90 DEGREE ELL - T x T
 4. PVC SCH 40 MALE ADAPTER - SIZE AS REQUIRED
 5. PVC MAINLINE PER LEGEND - SIZE PER PLAN
 6. FINISH GRADE
 7. BRASS NIPPLE - T x T - LENGTH AS REQUIRED
 8. BRASS UNION - SIZE AS REQUIRED
 9. BRASS NIPPLE - T x T - 4" MINIMUM LENGTH
 10. BRASS NIPPLE - T x T - 2" MINIMUM LENGTH (TYP. OF 2)
 11. BRASS Y-STRAINER - 60 MESH SCREEN W/ HOSE BIB
 12. VANDAL RESISTANT ENCLOSURE - MODEL PER LEGEND
 13. INSTALL PER MANUFACTURER'S REQUIREMENTS * 12" MINIMUM, 30" MAXIMUM
- NOTES:
INSTALL BACKFLOW PREVENTER PER LOCAL CODES, HEALTH DEPARTMENT STANDARDS, AND MANUFACTURER'S DIRECTIONS. VERIFY LOCAL REQUIREMENTS PRIOR TO INSTALLATION. WHERE BACKFLOW DEVICE SIZE IS SMALLER THAN MAINLINE, ENTIRE APPARATUS TO BE SIZE OF MAINLINE. BUSH DOWN ONLY AT THE BACKFLOW DEVICE. FINAL LOCATION OF DEVICE TO BE DETERMINED IN THE FIELD. BACKFLOW TO BE LOCATED IN PLANTER AREA AND SCREENED WITH SHRUBS AS POSSIBLE.



1. ELECTRIC CONTROL VALVE PER LEGEND
2. RECTANGULAR PURPLE NON-POTABLE VALVE BOX WITH BOLT-DOWN LID AND SS BOLT
3. HEAT BRAND "MV" ON LID IN 2" HIGH CHARACTERS
4. FINISH GRADE
5. PVC SCH 40 MALE ADAPTER
6. WATERPROOF WIRE CONNECTION W/36" EXPANSION LOOP
7. #14 UF WIRES TO CONTROLLER MASTER VALVE OUTPUT
8. 3/4" CRUSHED ROCK - 6" DEEP
9. CONCRETE SUPPORT - 4 REQUIRED
10. PVC MAINLINE PER LEGEND - LENGTH AS REQUIRED
11. PVC SCH 40 ELL - 5x5
12. MAINLINE PIPING FROM POINT OF CONNECTION
13. MAINLINE PIPING TO CONTROL VALVES * 1/2" IN TURF AREAS, 2" IN SHRUB AREAS
14. PVC UNION - SIZE AS REQUIRED
15. CHRISTY'S RECLAIMED WATER TAG OR EQUAL



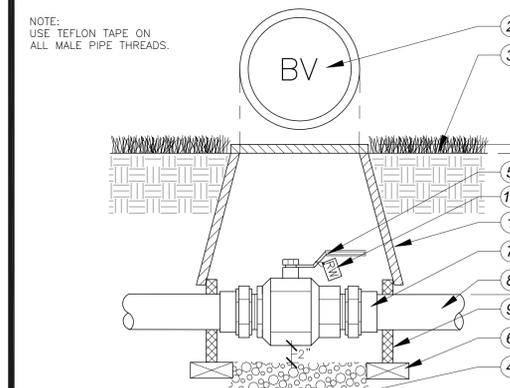
1. 10" ROUND PURPLE NON-POTABLE PLASTIC VALVE BOX WITH LOCKING LID AND SS BOLT
2. HEAT BRAND "FS" ON LID IN 2" HIGH CHARACTERS
3. FINISH GRADE
4. 3/4" CRUSHED ROCK - 4" DEEP
5. FLOW SENSOR PER LEGEND
6. CONCRETE SUPPORT - 4 REQUIRED
7. PVC MAINLINE FROM POC - PER LEGEND
8. PVC MAINLINE TO SYSTEM - PER LEGEND
9. VALVE BOX EXTENSIONS AS REQUIRED
10. WATERPROOF WIRE CONNECTORS WITH 36" EXPANSION LOOP
11. CABLE TO TRANSMITTER/CONTROLLER PER MANUFACTURER
12. 1" PVC WIRE CONDUIT TO CONTROLLER
13. CHRISTY'S RECLAIMED WATER TAG OR EQUAL * 1/2" IN TURF AREAS, 2" IN SHRUB AREAS

A Controller

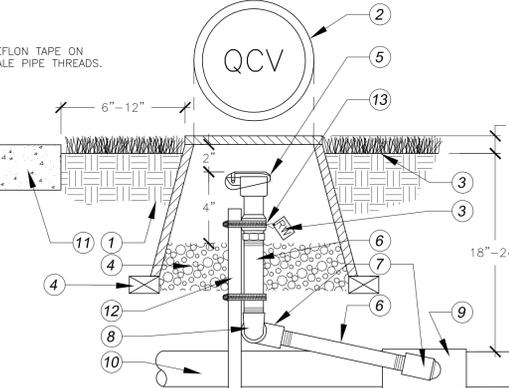
B Backflow Preventer

C Master Valve

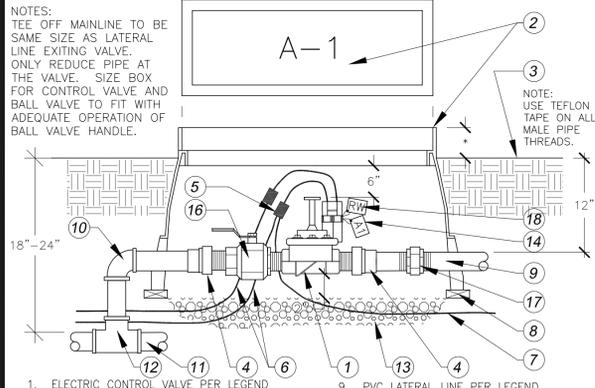
D Flow Sensor



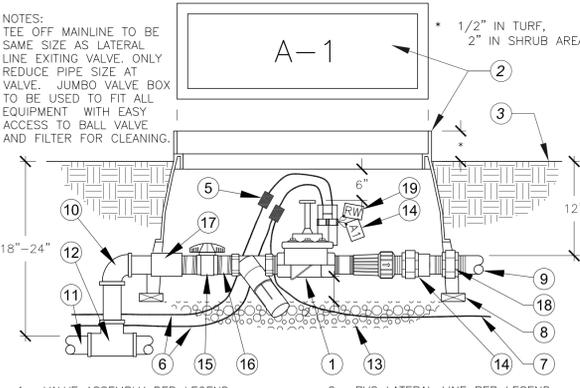
1. 10" ROUND PURPLE NON-POTABLE PLASTIC VALVE BOX W/LOCKING LID AND SS BOLT
2. HEAT BRAND "BV" ON LID IN 2" HIGH CHARACTERS
3. FINISH GRADE
4. 3/4" CRUSHED ROCK - 4" DEPTH
5. BALL VALVE PER IRRIGATION PLAN
6. CONCRETE SUPPORT - 4 REQUIRED
7. SCH 40 PVC MALE ADAPTER - 2 REQUIRED
8. MAINLINE PIPING PER IRRIGATION PLAN
9. VALVE BOX EXTENSION(S) AS REQUIRED
10. CHRISTY'S RECLAIMED WATER TAG OR EQUAL * 1/2" IN TURF AREAS AND 2" IN SHRUB AREAS



1. 10" ROUND PURPLE NON-POTABLE PLASTIC VALVE BOX WITH LOCKING LID AND SS BOLT
2. HEAT BRAND "QCV" ON LID IN 2" HIGH CHARACTERS
3. FINISH GRADE
4. 3/4" CRUSHED ROCK 4" DEEP
5. QUICK COUPLER PER LEGEND
6. PVC SCH 80 NIPPLE - LENGTH AS REQUIRED
7. PVC SCH 40 STREET ELL - T x T
8. PVC SCH 40 ELL - T x T
9. SCH 40 PVC MAINLINE FITTING
10. PVC SCH 40 MAINLINE PIPING PER EQUIPMENT LEGEND
11. WALK, CURB, OR WALL, ETC.
12. #4 REBAR, 18" MINIMUM LENGTH SUPPORT STAKE
13. STAINLESS STEEL CLAMP - 2 REQ.
14. CHRISTY'S RECLAIMED WATER TAG OR EQUAL (4 REQUIRED)
15. CONCRETE SUPPORT (4 REQUIRED) * 1/2" IN TURF AREAS, 2" IN SHRUB AREAS



1. ELECTRIC CONTROL VALVE PER LEGEND
2. 'JUMBO' PURPLE NON-POTABLE PLASTIC VALVE BOX WITH BOLT DOWN LID AND SS BOLT HEAT BRAND STATION NUMBER ON LID IN 2" HIGH CHARACTERS
3. FINISH GRADE
4. PVC SCH 40 MALE ADAPTER - SIZE AS REQUIRED - TYP. OF 2
5. WATERPROOF WIRE CONNECTOR WITH 36" COILED EXPANSION LOOP
6. WIRES FROM CONTROLLER
7. COMMON WIRE TO OTHER VALVES ON SAME CONTROLLER
8. CONCRETE SUPPORT - 4 REQUIRED
9. PVC LATERAL LINE PER LEGEND
10. PVC SCH 40 ELL - 5x5
11. PVC MAINLINE PER LEGEND
12. SCH 40 PVC MAINLINE FITTING
13. 3/4" GRAVEL - 6" DEEP
14. 'CHRISTY'S' I.D. TAG OR EQUAL
15. SCH 80 NIPPLE - LENGTH AS REQUIRED - SAME SIZE AS VALVES
16. BALL VALVE PER EQUIPMENT LEGEND SAME SIZE AS CONTROL VALVE
17. PVC UNION - SIZE AS REQUIRED
18. CHRISTY'S RECLAIMED WATER TAG OR EQUAL * 1/2" IN TURF, 2" IN PLANTER



1. VALVE ASSEMBLY PER LEGEND
2. PURPLE NON-POTABLE JUMBO PLASTIC VALVE BOX WITH BOLT DOWN LID AND SS BOLT - HEAT BRAND STATION NUMBER ON LID IN 2" HIGH CHARACTERS
3. FINISH GRADE
4. PVC SCH 40 MALE ADAPTER
5. WATERPROOF WIRE CONNECTOR WITH 36" COILED EXPANSION LOOP
6. WIRES FROM CONTROLLER
7. COMMON WIRE TO OTHER VALVES ON SAME CONTROLLER
8. CONCRETE SUPPORT - 4 REQUIRED
9. PVC LATERAL LINE PER LEGEND
10. PVC SCH 40 ELL - 5x5
11. PVC MAINLINE PER LEGEND - TYP
12. SCH 40 PVC MAINLINE FITTING
13. 3/4" CRUSHED ROCK - 6" DEEP
14. 'CHRISTY'S' I.D. TAG OR EQUAL
15. BALL VALVE PER LEGEND
16. SCH 80 PVC NIPPLE - TYP
17. SCH 40 PVC FEMALE ADAPTER
18. PVC UNION - SIZE AS REQUIRED
19. CHRISTY'S RECLAIMED WATER TAG OR EQUAL * 1/2" IN TURF, 2" IN SHRUB AREAS

E Ball Valve

F Quick Coupler Valve

G Remote Control Valve

H Drip Control Valve Assembly

A B C D E F G H



1. 10" ROUND PURPLE NON-POTABLE PLASTIC VALVE BOX WITH LOCKING LID AND SS BOLT
2. HEAT BRAND "A-1" ON LID IN 2" HIGH CHARACTERS
3. FINISH GRADE
4. 3/4" CRUSHED ROCK - 4" DEPTH
5. BALL VALVE PER IRRIGATION PLAN
6. CONCRETE SUPPORT - 4 REQUIRED
7. SCH 40 PVC MALE ADAPTER - 2 REQUIRED
8. MAINLINE PIPING PER IRRIGATION PLAN
9. VALVE BOX EXTENSION(S) AS REQUIRED
10. CHRISTY'S RECLAIMED WATER TAG OR EQUAL * 1/2" IN TURF AREAS AND 2" IN SHRUB AREAS
11. PVC MAINLINE PER LEGEND
12. SCH 40 PVC MAINLINE FITTING
13. 3/4" CRUSHED ROCK - 6" DEEP
14. 'CHRISTY'S' I.D. TAG OR EQUAL
15. BALL VALVE PER LEGEND
16. SCH 80 PVC NIPPLE - TYP
17. SCH 40 PVC FEMALE ADAPTER
18. PVC UNION - SIZE AS REQUIRED
19. CHRISTY'S RECLAIMED WATER TAG OR EQUAL * 1/2" IN TURF, 2" IN SHRUB AREAS

E Ball Valve

F Quick Coupler Valve

G Remote Control Valve

H Drip Control Valve Assembly



1. 10" ROUND PURPLE NON-POTABLE PLASTIC VALVE BOX WITH LOCKING LID AND SS BOLT
2. HEAT BRAND "A-1" ON LID IN 2" HIGH CHARACTERS
3. FINISH GRADE
4. 3/4" CRUSHED ROCK - 4" DEPTH
5. BALL VALVE PER IRRIGATION PLAN
6. CONCRETE SUPPORT - 4 REQUIRED
7. SCH 40 PVC MALE ADAPTER - 2 REQUIRED
8. MAINLINE PIPING PER IRRIGATION PLAN
9. VALVE BOX EXTENSION(S) AS REQUIRED
10. CHRISTY'S RECLAIMED WATER TAG OR EQUAL * 1/2" IN TURF AREAS AND 2" IN SHRUB AREAS
11. PVC MAINLINE PER LEGEND
12. SCH 40 PVC MAINLINE FITTING
13. 3/4" CRUSHED ROCK - 6" DEEP
14. 'CHRISTY'S' I.D. TAG OR EQUAL
15. BALL VALVE PER LEGEND
16. SCH 80 PVC NIPPLE - TYP
17. SCH 40 PVC FEMALE ADAPTER
18. PVC UNION - SIZE AS REQUIRED
19. CHRISTY'S RECLAIMED WATER TAG OR EQUAL * 1/2" IN TURF, 2" IN SHRUB AREAS

E Ball Valve F Quick Coupler Valve G Remote Control Valve H Drip Control Valve Assembly

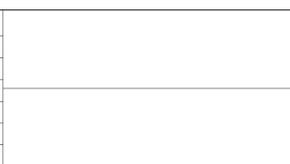
Dec 14, 2015 - 1:58pm Allison Rush F:\Rancho Mirage Dog Park\CD's\Irrigation.dwg

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 DESIGN, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, BY 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. |
|---|-----------|------|------|
| | | | |



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
TIM MALONEY, RLA 2110, EXP. 10/31/17
DATE 12/14/15

APPROVED BY CITY OF RANCHO MIRAGE:
William A. Enos
WILLIAM A. ENOS, CITY ENGINEER
R.C.E. 43910, EXP. 6/30/2017
DATE 12/14/15

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

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

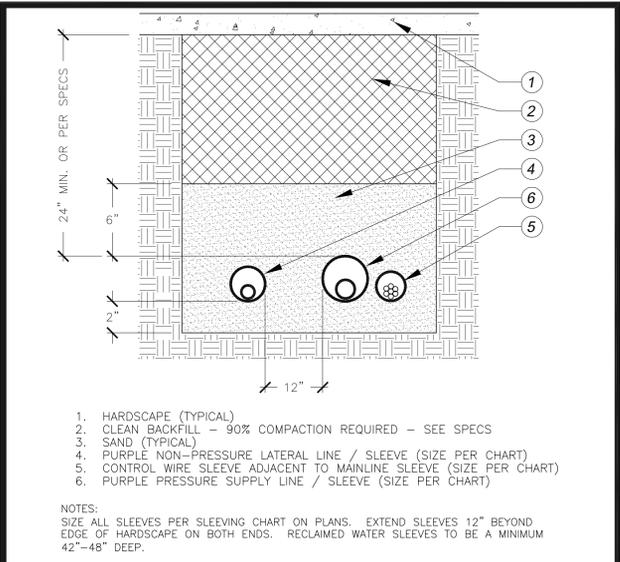
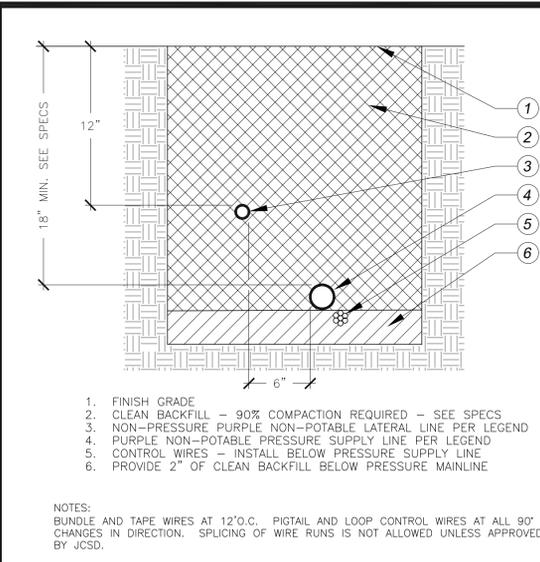
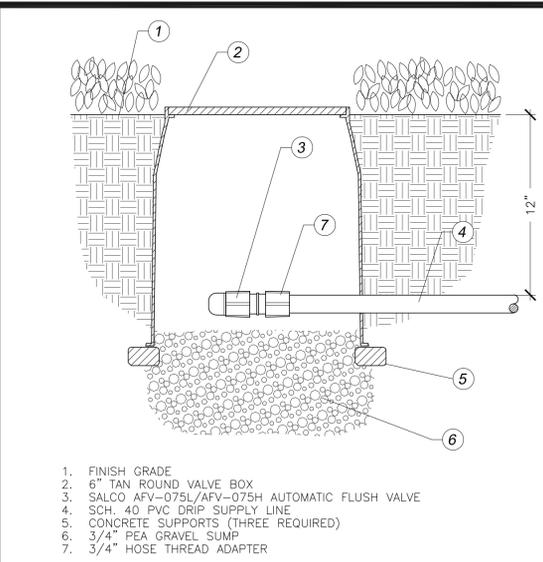
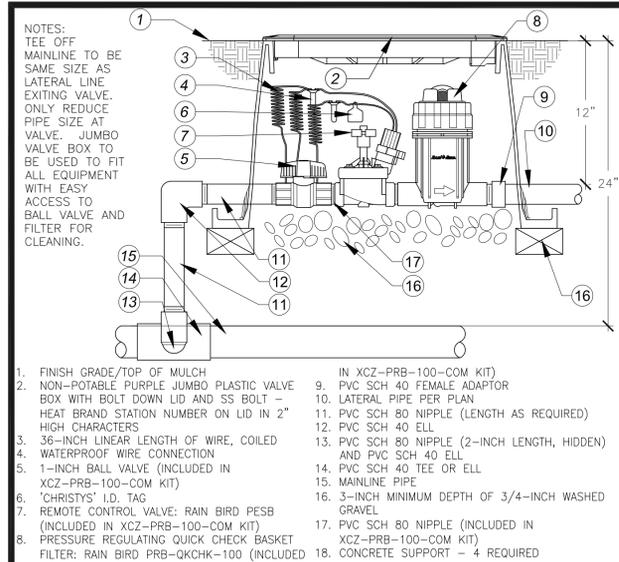
CITY OF RANCHO MIRAGE
IRRIGATION DETAIL SHEET

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.R. & M. A.P.N. 685-090-011.

SHEET 20 OF 33
PRIVATE REFERENCE # 150109
PERMIT # E1500165

These plans have been reviewed by the Coachella Valley water District in accordance with Water Code Title 7, Division 1, Chapter 3, Article 10.8, Section 65597 et seq. requiring efficient landscape and irrigation design in cooperation with the local governing agency (City or County)

DATE _____ Water Management Specialist _____
Development Service Supervisor _____

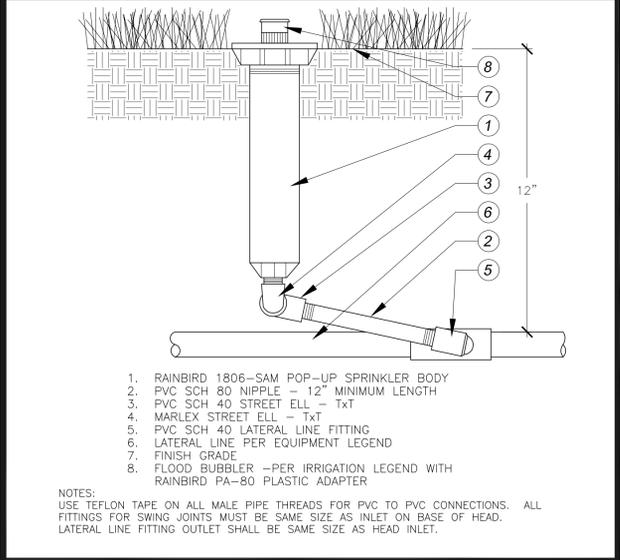
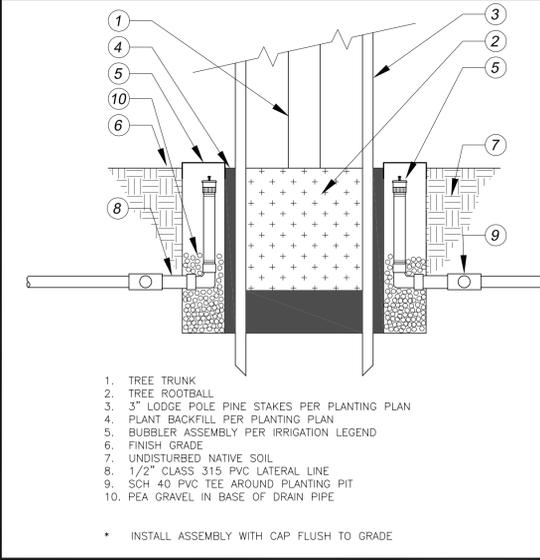
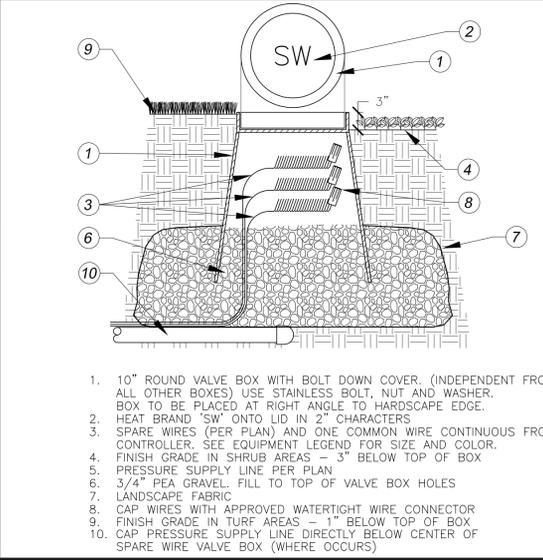
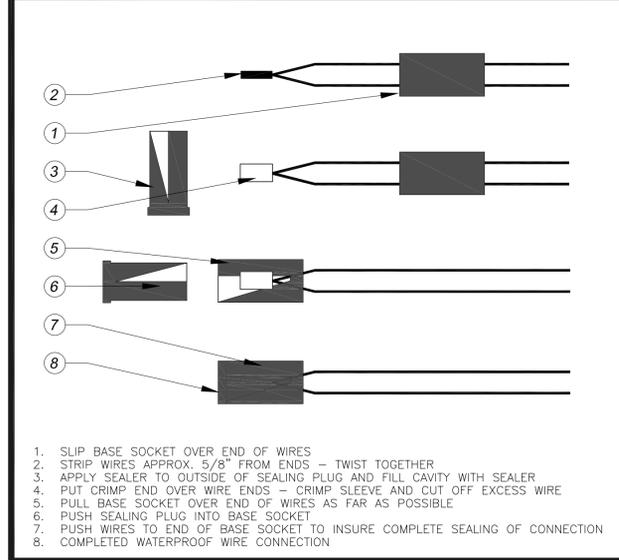


A Drip Control Valve Assembly

B Automatic Flush Valve

C Trenching

D Sleeving



E Wire Connections

F Spare Wire Box

G Tree Bubbler Heads

H Palm Bubbler Head



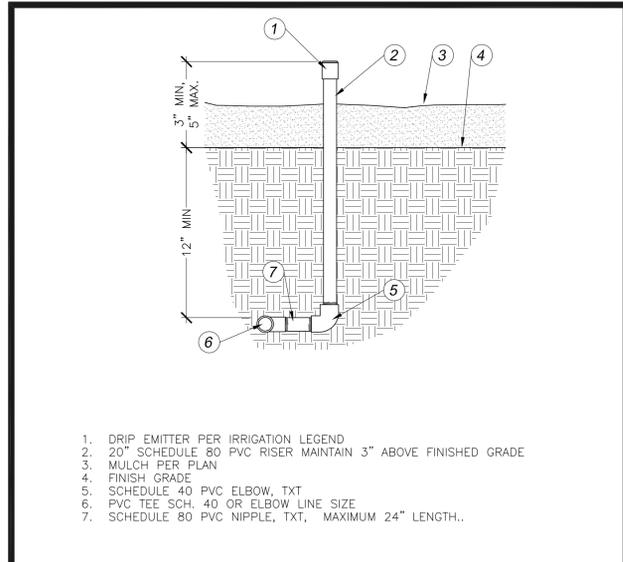
These plans have been reviewed by the Coachella Valley water District in accordance with Water Code Title 7, Division 1, Chapter 3, Article 10.8, Section 65597 et seq. requiring efficient landscape and irrigation design in cooperation with the local governing agency (City or County)

DATE _____ Water Management Specialist _____

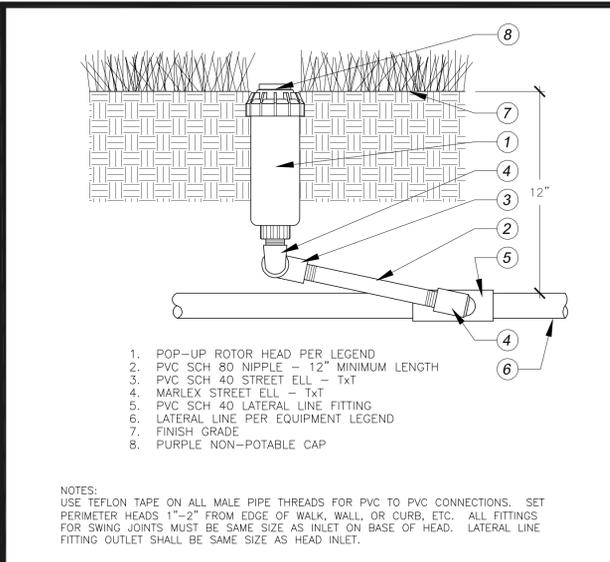
Development Service Supervisor _____

Dec 14, 2015 - 1:58pm Allison Rush F:\Rancho Mirage Dog Park\CD's\Irrigation.dwg

| | | | | | | | | | | | | |
|--|--|---|-----------|------|------|---|---|--|---|--|----------|----------------------------|
| <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 VALID. FOR YOUR PRE-EXCAVATION 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.</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> | # | REVISIONS | DATE | APP. | <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: <i>Tim Maloney</i> TIM MALONEY, RLA 2110, EXP. 10/31/17 DATE 12/14/15</p> <p>GEO TECHNICAL CERTIFICATION, IF REQUIRED, BY: <i>Tim Maloney</i> TIM MALONEY, RLA 2110, EXP. 10/31/17 DATE 12/14/15</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: WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/2017 DATE _____</p> | <p>CITY OF RANCHO MIRAGE IRRIGATION DETAIL SHEET</p> | | SHEET 21 | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | PRIVATE REFERENCE # 150109 |
| | | | | | | | | | | | | PERMIT # E1500165 |



1. DRIP EMITTER PER IRRIGATION LEGEND
2. 20" SCHEDULE 80 PVC RISER MAINTAIN 3" ABOVE FINISHED GRADE
3. MULCH PER PLAN
4. FINISH GRADE
5. SCHEDULE 40 PVC ELBOW, TXT
6. PVC TEE SCH. 40 OR ELBOW LINE SIZE
7. SCHEDULE 80 PVC NIPPLE, TXT, MAXIMUM 24" LENGTH.



1. POP-UP ROTOR HEAD PER LEGEND
2. PVC SCH 80 NIPPLE - 12" MINIMUM LENGTH
3. PVC SCH 40 STREET ELL - T x T
4. MARLEX STREET ELL - T x T
5. PVC SCH 40 LATERAL LINE FITTING
6. LATERAL LINE PER EQUIPMENT LEGEND
7. FINISH GRADE
8. PURPLE NON-POTABLE CAP

NOTES:
USE TEFLON TAPE ON ALL MALE PIPE THREADS FOR PVC TO PVC CONNECTIONS. SET PERIMETER HEADS 1"-2" FROM EDGE OF WALK, WALL, OR CURB, ETC. ALL FITTINGS FOR SWING JOINTS MUST BE SAME SIZE AS INLET ON BASE OF HEAD. LATERAL LINE FITTING OUTLET SHALL BE SAME SIZE AS HEAD INLET.



| Valve Number | Hydrozone | 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 | ETO |
| 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) | 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 | 12 | 12 | Bubbler | L Trees | 1 | 4 | 16 | 1 | 0.09 |
| 2 | 10 | Bubbler | Trees | 1 | 4 | 16 | 2 | 0.17 | 13 | 20 | Rotor | Turf | 0.61 | 5 | 22 | 2 | 0.29 |
| 3 | 22 | Rotor | Turf | 0.61 | 5 | 22 | 1 | 0.15 | 14 | 24 | Rotor | Turf | 0.61 | 5 | 22 | 3 | 0.44 |
| 4 | 21 | Rotor | Turf | 0.61 | 5 | 22 | 1 | 0.15 | 15 | 15 | Rotor | Turf | 0.61 | 5 | 22 | 2 | 0.29 |
| 5 | 7 | Bubbler | L Trees | 1 | 4 | 16 | 2 | 0.17 | 16 | 4 | Bubbler | M Trees | 1 | 4 | 20 | 2 | 0.21 |
| 6 | 14 | Bubbler | M Trees | 1 | 4 | 20 | 2 | 0.21 | 17 | 2 | Emit | Shrub | n/a | 3 | 48 | 2 | 0.39 |
| 7 | 5 | Emit | Shrub | n/a | 3 | 48 | 3 | 0.58 | 18 | 13 | Bubbler | L Trees | 1 | 4 | 16 | 3 | 0.26 |
| 8 | 6 | Emit | Shrub | n/a | 3 | 48 | 1 | 0.19 | 19 | 12 | Bubbler | M Trees | 1 | 4 | 20 | 1 | 0.11 |
| 9 | 4 | Bubbler | Palms | 1 | 4 | 20 | 1 | 0.11 | 20 | 9 | Bubbler | M Trees | 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 | ETO |
| 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) | | | | | | | | | | | | | | | | | |
|--|------------|--------------------------------|------------|----------------------|------------|-----------------------|-------------|----------------------|---------|------------|----------------|------------|----------------------|------------|-----------------------|-------------|----------------------|
| Station | Flow (gpm) | Sprinkler Type | Plant Type | App. Rate Inches/Hr. | Water Days | Run Time/ Cycle (min) | Cycles/ Day | Water Use/ Week(ccf) | 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 | 12 | 12 | Bubbler | L Trees | 1 | 3 | 16 | 1 | 0.06 |
| 2 | 10 | Bubbler | Trees | 1 | 3 | 16 | 1 | 0.24 | 13 | 20 | Rotor | Turf | 0.61 | 5 | 18 | 2 | 0.24 |
| 3 | 22 | Rotor | Turf | 0.61 | 5 | 18 | 2 | 0.06 | 14 | 24 | Rotor | Turf | 0.61 | 5 | 18 | 2 | 0.08 |
| 4 | 21 | Rotor | Turf | 0.61 | 5 | 18 | 2 | 0.48 | 15 | 15 | Rotor | Turf | 0.61 | 5 | 18 | 2 | 0.24 |
| 5 | 7 | Bubbler | L Trees | 1 | 3 | 16 | 1 | 0.24 | 16 | 4 | Bubbler | M Trees | 1 | 3 | 20 | 1 | 0.24 |
| 6 | 14 | Bubbler | M Trees | 1 | 3 | 20 | 1 | 0.24 | 17 | 2 | Emit | Shrub | n/a | 3 | 40 | 3 | 0.06 |
| 7 | 5 | Emit | Shrub | n/a | 3 | 40 | 3 | 0.48 | 18 | 13 | Bubbler | L Trees | 1 | 3 | 16 | 1 | 0.48 |
| 8 | 6 | Emit | Shrub | n/a | 3 | 40 | 3 | 0.06 | 19 | 12 | Bubbler | M Trees | 1 | 3 | 20 | 1 | 0.08 |
| 9 | 4 | Bubbler | Palms | 1 | 3 | 20 | 1 | 0.08 | 20 | 9 | Bubbler | M Trees | 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 |

$$MAWA = \{[(66.05)(0.62)]\{[(102,125 \text{ S.F.})(0.5)]\} + \{[(66.05)(0.62)(15,490)]\} / 748 = 3,644$$

$$ETWU = (66.05 \times 0.62 \times 54,537) / 748 = 2,986$$

* - RECREATIONAL TURF AREA

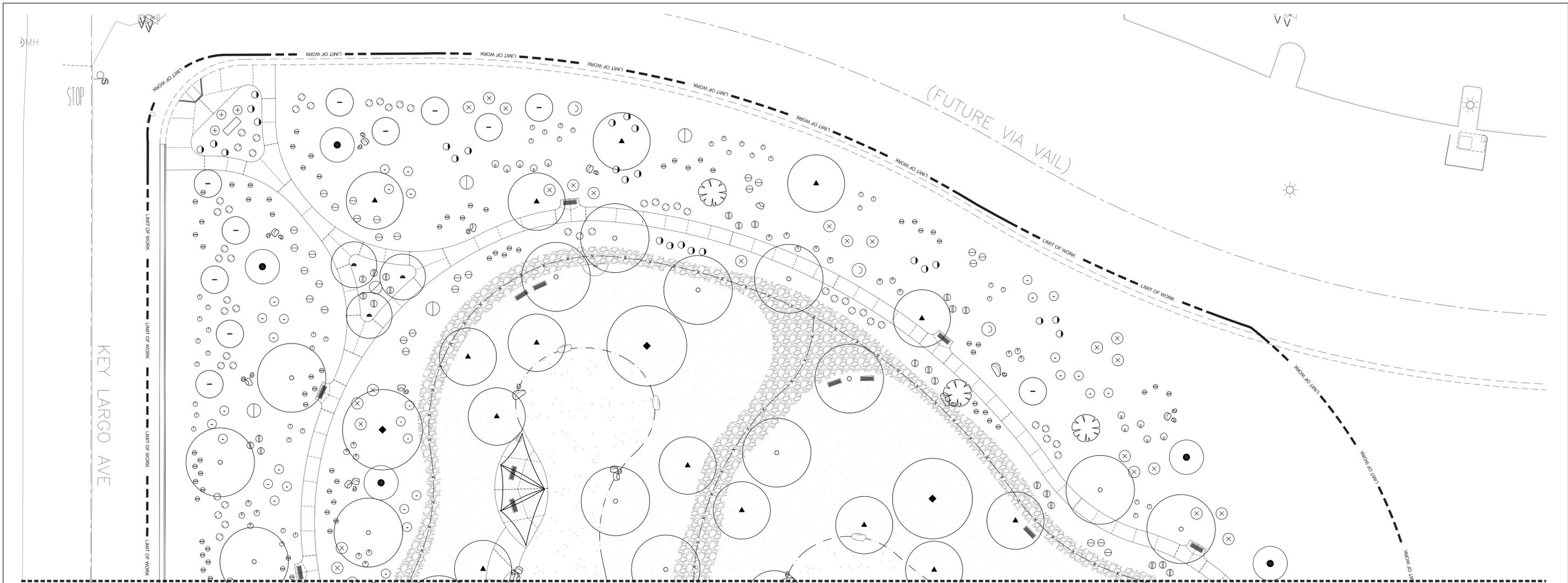


These plans have been reviewed by the Coachella Valley water District in accordance with Water Code Title 7, Division 1, Chapter 3, Article 10.8, Section 65597 et seq. requiring efficient landscape and irrigation design in cooperation with the local governing agency (City or County)

DATE _____ Water Management Specialist _____

Development Service Supervisor _____

| <p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 4216 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY CONTRACTOR NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE HELD. FOR YOUR PRE-EXCAVATION 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, 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> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> | # | REVISIONS | DATE | APP. | | | | | | | | | <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: <i>Tim Maloney</i> TIM MALONEY, R.L.A. 2110, EXP. 10/31/17 DATE 12/14/15</p> <p>GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY: <i>Brett Anderson</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 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 _____</p> | <p>CITY OF RANCHO MIRAGE IRRIGATION DETAIL & WATER SCHEDULE 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 22 OF 33 PRIVATE REFERENCE # 150109 PERMIT # E1500165</p> |
|---|---|--|---|-----------|------|------|--|--|--|--|--|--|--|--|---|---|---|--|--|
| | | | # | REVISIONS | DATE | APP. | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| <p>DATE _____</p> | | | | | | | | | | | | | | | | | | | |



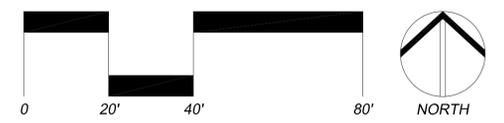
PLANTING LEGEND:

| BOTANIC NAME | COMMON NAME | SIZE / SPACING | QTY. | WUCOLS | DETAIL |
|---------------------------------|-------------------------------------|----------------|------|--------|---------------|
| BRAHEA ARMATA | BLUE HESPER PALM | 8" BTH | 3 | MOD. | 'F', SHEET 25 |
| 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 | 11 | MOD. | 'F', SHEET 25 |
| 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 |
| BOUGAINVILLEA 'TORCH GLOW' | BOUGAINVILLEA | 5 GAL. | 10 | MOD. | 'D', SHEET 25 |
| 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 | SNAKEWEEED | 1 GAL. | 109 | LOW | 'D', SHEET 25 |

PLANTING LEGEND (CONTINUED):

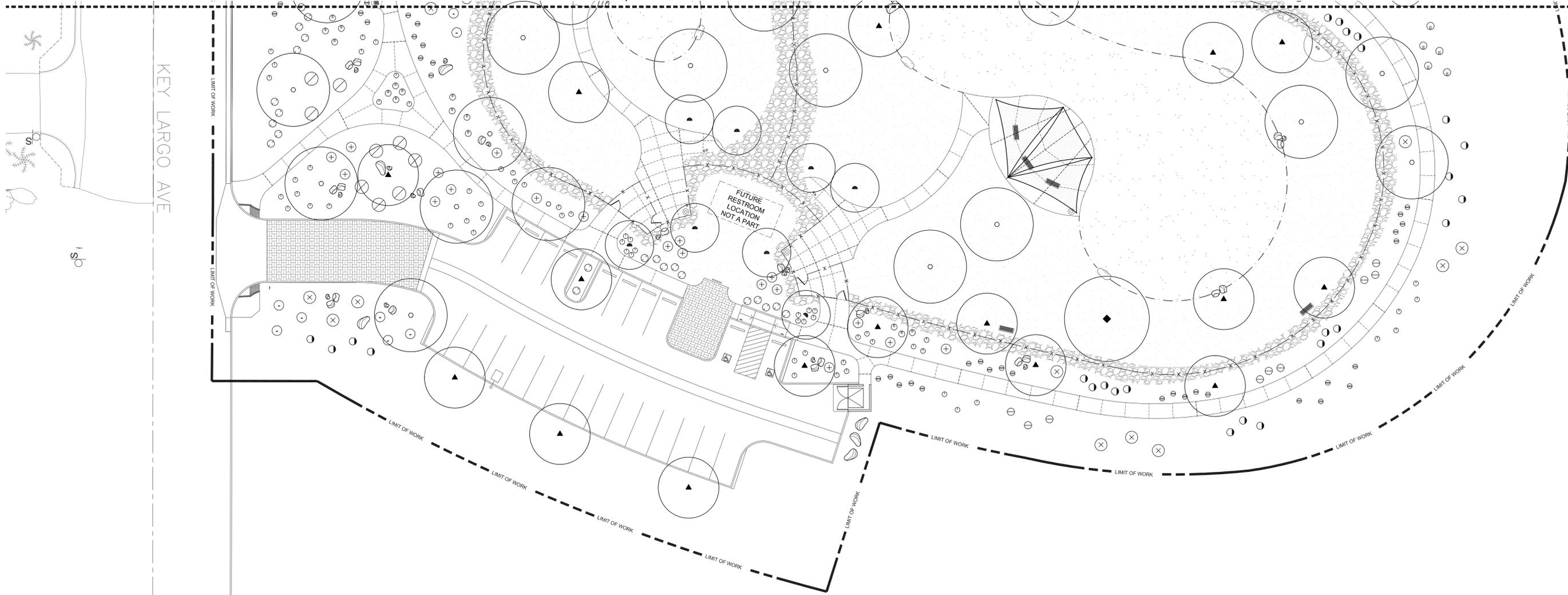
| BOTANIC NAME | COMMON NAME | SIZE / SPACING | QTY. | WUCOLS | DETAIL |
|-----------------------|---|----------------|-----------|--------|---------------|
| HESPERALOE PARVIFLORA | RED YUCCA | 5 GAL. | 24 | LOW | 'D', SHEET 25 |
| LANTANA MONTEVIDENSIS | TRAILING LANTANA | 1 GAL. | 22 | MOD. | 'D', SHEET 25 |
| SENNA ARTEMISIOIDES | GREEN FEATHERY SENNA | 5 GAL. | 4 | LOW | 'D', SHEET 25 |
| SOD | 100% HYBRID BERMUDA 'PRINCESS 77' PERENNIAL RYE OVERSEEDING, SEE NOTE BELOW | | 15,390 SF | | |

- NOTES:**
- ALL TREES WITHIN 6' OF HARDSCAPE TO RECEIVE ROOTBARRIER SEE DETAIL 'C', SHEET 25
 - ALL PLANTER AREAS TO RECEIVE A 3" LAYER OF COMPACTED DECOMPOSED GRANITE, COLOR TO BE 'DESERT GOLD', AVAILABLE FROM SOUTHWEST BOULDER & STONE (877)792-7625
 - PLANT WATER USE VALUES ARE PER WUCOLS IV PLANT LIST
 - ALL SHRUBS AND GROUNDCOVERS PLANTED ADJACENT TO A SIDEWALK SHALL BE PLANTED WITH THEIR ON CENTER SPACING DISTANCE FROM THE EDGE OF WALK IN ORDER TO PREVENT UNNECESSARY HEDGING
 - INSTALL HYBRID BERMUDA 'PRINCESS 77' OR EQUAL, AVAILABLE FROM SEEDLAND (386)963-2080, 10 LBS/1000 S.F. OF PERENNIAL RYE OVERSEED (ONLY IF BETWEEN OCTOBER 1ST AND APRIL 1ST)



| <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 HELD. 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. 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 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.</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> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> | # | REVISIONS | DATE | APP. | | | | | | | | | | | | | <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: <i>Tim Maloney</i> TIM MALONEY, RLA 2110, EXP. 10/31/17 DATE 12/14/15</p> <p>GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY: <i>Brett Anderson</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 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</p> | <p>CITY OF RANCHO MIRAGE PLANTING PLAN</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 23 OF 33 PRIVATE REFERENCE # 150109 PERMIT # E1500165</p> |
|--|---|--|---|-----------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|---|--|---|--|--|
| | | | # | REVISIONS | DATE | APP. | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Dec 14, 2015 - 1:59pm Allison Rush F:\Rancho Mirage Dog Park\CD's\Planting.dwg</p> | | | | | | | | | | | | | | | | | | | | | | | |

MATCHLINE, SEE SHEET 23



PLANTING LEGEND:

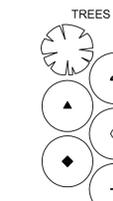
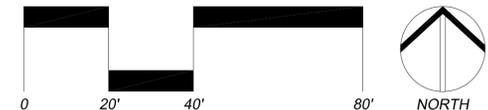
| BOTANIC NAME | COMMON NAME | SIZE / SPACING | QTY. | WUCOLS | DETAIL |
|-------------------------------|-------------------------------------|----------------|------|--------|---------------|
| BRAHEA ARMATA | BLUE HESPER PALM | 8" BTH | 3 | MOD. | 'F', SHEET 25 |
| PARKINSONIA FLORIDA | BLUE PALO 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 | 11 | 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 |
| SOD | 100% HYBRID BERMUDA 'PRINCESS 77' PERENNIAL RYE OVERSEEDING, SEE NOTE BELOW | | 15,390 SF | | |

NOTES:

- ALL TREES WITHIN 6' OF HARDSCAPE TO RECEIVE ROOTBARRIER SEE DETAIL 'C', SHEET 25
- ALL PLANTER AREAS TO RECEIVE A 3" LAYER OF COMPACTED DECOMPOSED GRANITE, COLOR TO BE 'DESERT GOLD', AVAILABLE FROM SOUTHWEST BOULDER & STONE (877)792-7625
- PLANT WATER USE VALUES ARE PER WUCOLS IV PLANT LIST
- ALL SHRUBS AND GROUNDCOVERS PLANTED ADJACENT TO A SIDEWALK SHALL BE PLANTED WITH THEIR ON CENTER SPACING DISTANCE FROM THE EDGE OF WALK IN ORDER TO PREVENT UNNECESSARY HEDGING
- INSTALL HYBRID BERMUDA 'PRINCESS 77' OR EQUAL, AVAILABLE FROM SEEDLAND (386)963-2080. 10 LBS/1000 S.F. OF PERENNIAL RYE OVERSEED (ONLY IF BETWEEN OCTOBER 1ST AND APRIL 1ST)



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 |
| BOUGAINVILLEA 'TORCH GLOW' | BOUGAINVILLEA | 5 GAL. | 10 | MOD. | 'D', SHEET 25 |
| CHRYSANTHINA 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 | SNAKEWEED | 1 GAL. | 109 | LOW | 'D', SHEET 25 |

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
 YOUR PRE-EXCAVATION ID NUMBER CALL
 UNDERGROUND SERVICE ALERT
 TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

| # | REVISIONS | DATE | APP. |
|---|-----------|------|------|
| | | | |

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, 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.

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

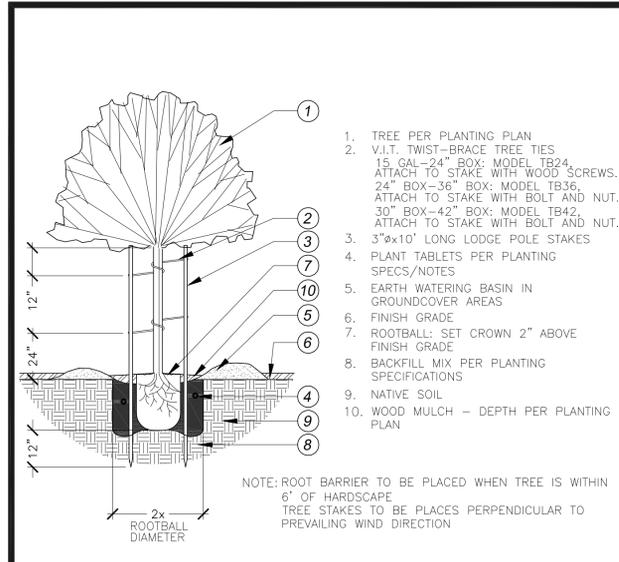
CITY OF RANCHO MIRAGE
 69825 HIGHWAY 111 RANCHO MIRAGE, CA 92270
 760-770-3224

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. 443389, 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
PLANTING 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

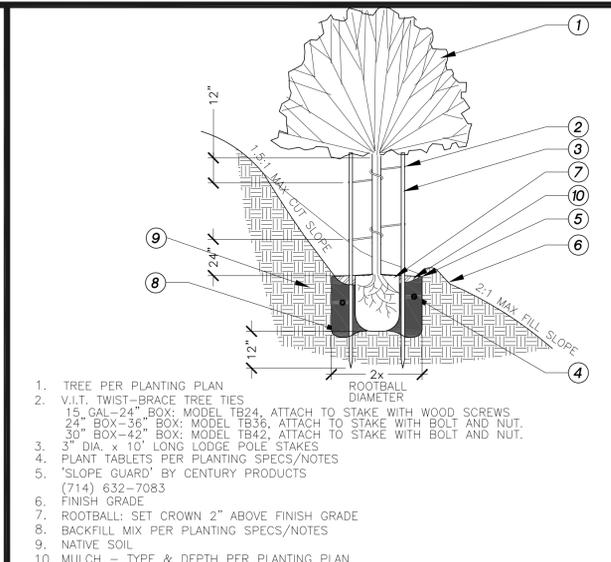
SHEET 24 OF 33
 PRIVATE REFERENCE # 150109
 PERMIT # E1500165



1. TREE PER PLANTING PLAN
2. V.I.T. TWIST-BRACE TREE TIES
15 GAL-24" BOX: MODEL TB24
ATTACH TO STAKE WITH WOOD SCREWS.
24" BOX-36" BOX: MODEL TB36
ATTACH TO STAKE WITH BOLT AND NUT.
30" BOX-42" BOX: MODEL TB42.
ATTACH TO STAKE WITH BOLT AND NUT.
3. 3"x10" LONG LODGE POLE STAKES
4. PLANT TABLETS PER PLANTING SPECS/NOTES
5. EARTH WATERING BASIN IN GROUNDCOVER AREAS
6. FINISH GRADE
7. ROOTBALL: SET CROWN 2" ABOVE FINISH GRADE
8. BACKFILL MIX PER PLANTING SPECIFICATIONS
9. NATIVE SOIL
10. WOOD MULCH - DEPTH PER PLANTING PLAN

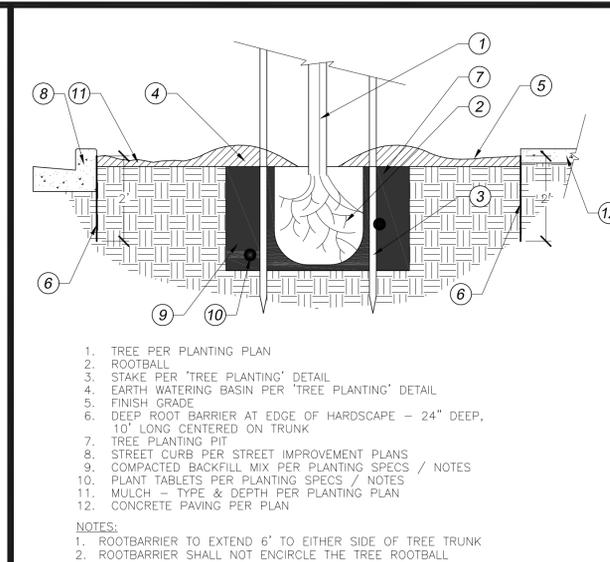
NOTE: ROOT BARRIER TO BE PLACED WHEN TREE IS WITHIN 6" OF HARDSCAPE
TREE STAKES TO BE PLACES PERPENDICULAR TO PREVAILING WIND DIRECTION

A Tree Planting N.T.S.



1. TREE PER PLANTING PLAN
2. V.I.T. TWIST-BRACE TREE TIES
15 GAL-24" BOX: MODEL TB24. ATTACH TO STAKE WITH WOOD SCREWS
24" BOX-36" BOX: MODEL TB36. ATTACH TO STAKE WITH BOLT AND NUT.
30" BOX-42" BOX: MODEL TB42. ATTACH TO STAKE WITH BOLT AND NUT.
3. 3" DIA. x 10" LONG LODGE POLE STAKES
4. PLANT TABLETS PER PLANTING SPECS/NOTES
5. 'SLOPE GUARD' BY CENTURY PRODUCTS (714) 632-7083
6. FINISH GRADE
7. ROOTBALL: SET CROWN 2" ABOVE FINISH GRADE
8. BACKFILL MIX PER PLANTING SPECS/NOTES
9. NATIVE SOIL
10. MULCH - TYPE & DEPTH PER PLANTING PLAN

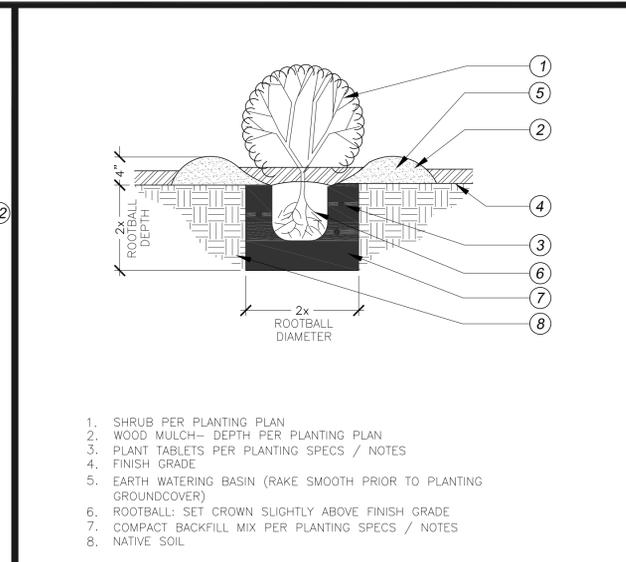
B Tree on Slope Planting N.T.S.



1. TREE PER PLANTING PLAN
2. ROOTBALL
3. STAKE PER 'TREE PLANTING' DETAIL
4. EARTH WATERING BASIN PER 'TREE PLANTING' DETAIL
5. FINISH GRADE
6. DEEP ROOT BARRIER AT EDGE OF HARDSCAPE - 24" DEEP, 10' LONG CENTERED ON TRUNK
7. TREE PLANTING PIT
8. STREET CURB PER STREET IMPROVEMENT PLANS
9. COMPACTED BACKFILL MIX PER PLANTING SPECS / NOTES
10. PLANT TABLETS PER PLANTING SPECS / NOTES
11. MULCH - TYPE & DEPTH PER PLANTING PLAN
12. CONCRETE PAVING PER PLAN

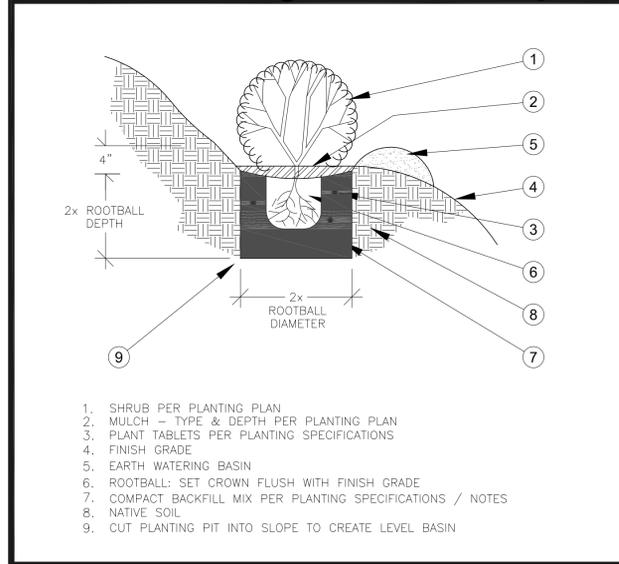
NOTES:
1. ROOTBARRIER TO EXTEND 6' TO EITHER SIDE OF TREE TRUNK
2. ROOTBARRIER SHALL NOT ENCIRCLE THE TREE ROOTBALL

C Linear Root Barrier N.T.S.



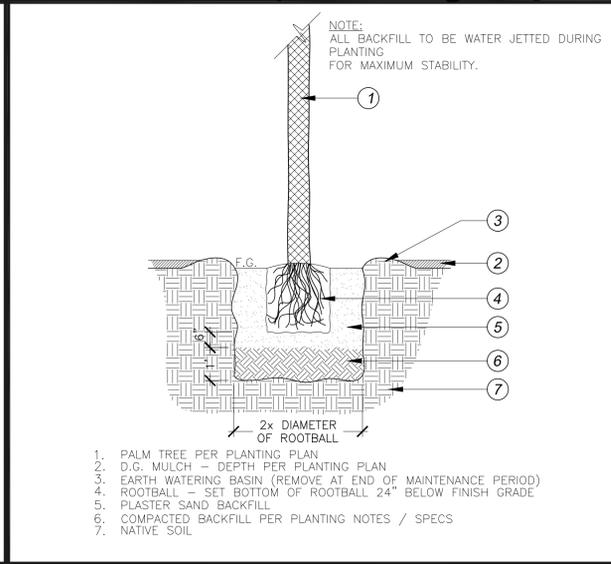
1. SHRUB PER PLANTING PLAN
2. WOOD MULCH- DEPTH PER PLANTING PLAN
3. PLANT TABLETS PER PLANTING SPECS / NOTES
4. FINISH GRADE
5. EARTH WATERING BASIN (RAKE SMOOTH PRIOR TO PLANTING GROUNDCOVER)
6. ROOTBALL: SET CROWN SLIGHTLY ABOVE FINISH GRADE
7. COMPACT BACKFILL MIX PER PLANTING SPECS / NOTES
8. NATIVE SOIL

D Shrub Planting N.T.S.



1. SHRUB PER PLANTING PLAN
2. MULCH - TYPE & DEPTH PER PLANTING PLAN
3. PLANT TABLETS PER PLANTING SPECIFICATIONS
4. FINISH GRADE
5. EARTH WATERING BASIN
6. ROOTBALL: SET CROWN FLUSH WITH FINISH GRADE
7. COMPACT BACKFILL MIX PER PLANTING SPECIFICATIONS / NOTES
8. NATIVE SOIL
9. CUT PLANTING PIT INTO SLOPE TO CREATE LEVEL BASIN

E Shrub on Slope Planting N.T.S.



1. PALM TREE PER PLANTING PLAN
2. D.G. MULCH - DEPTH PER PLANTING PLAN
3. EARTH WATERING BASIN (REMOVE AT END OF MAINTENANCE PERIOD)
4. ROOTBALL - SET BOTTOM OF ROOTBALL 24" BELOW FINISH GRADE
5. PLASTER SAND BACKFILL
6. COMPACTED BACKFILL PER PLANTING NOTES / SPECS
7. NATIVE SOIL

F Palm Tree Planting N.T.S.

SOD NOTE:
TURF GRASS SHALL BE PLANTED BY SOD LAYING AS INDICATED ON THE PLANTING PLAN. TURF SOD TYPE SHALL BE AS STATED ON PLANTING LEGEND, OR APPROVED EQUAL.
SODDING: IRRIGATE AREAS TO BE SODDED PRIOR TO INSTALLATION. MOISTURE SHALL BE UNIFORMLY PRESENT TO A DEPTH OF 2". SOD SHALL BE STORED WITHIN A SHADED AREA PRIOR TO INSTALLATION. SOD SHALL CONFORM TO ALL LAWN SHAPES AS DESIGNATED ON THE PLANTING PLANS AND SHALL BE INSTALLED IN SUCH A MANNER AS TO VISUALLY ELIMINATE ALL JOINTS AND EDGES OF SOD STRIPS. FOLLOWING INSTALLATION, IRRIGATE TURF AREAS THOROUGHLY TO PROVIDE GOOD MOISTURE PENETRATION. ROLL ALL SOD WITHIN TWO (2) DAYS FOLLOWING INSTALLATION. SOD SHALL BE UNIFORMLY SMOOTH IN APPEARANCE AND SHALL BE FLUSH WITH THE FINISH GRADE OF ALL WALKS, CURBS, ETC.

G Sodded Turf N/A

E Shrub on Slope Planting N.T.S. **F Palm Tree Planting** N.T.S. **G Sodded Turf** N/A

Dec 14, 2015 - 1:59pm Allison Rush F:\Rancho Mirage Dog Park\CD's\Planting.dwg

| <p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 4716 OF THE GOVERNMENT CODE 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</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, 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> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> | # | REVISIONS | DATE | APP. | | | | | | | | | | | | | <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>Tim Maloney</i> TIM MALONEY, RLA 2110, EXP. 10/31/17 DATE 12/14/15</p> <p>GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY: <i>Brett Anderson</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 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</p> | <p>CITY OF RANCHO MIRAGE PLANTING DETAIL 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 25 OF 33</p> <p>PRIVATE REFERENCE # 150109 PERMIT # E1500165</p> |
|--|---|--|---|-----------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|---|--|---|---|---|
| | | | # | REVISIONS | DATE | APP. | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| <p>STATE OF CALIFORNIA LICENSED LANDSCAPE ARCHITECT TIM MALONEY Signature 10/31/17 Renewal Date 12/14/15 Date</p> | | | | | | | | | | | | | | | | | | | | | | | |

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 PRECEDENT OVER THE ABOVE QUANTITIES ONLY WHEN THEY EXCEED THE SPECIFIED MINIMUMS.

SOIL PREPARATION / BACKFILL NOTE:

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.

BACKFILL MIX FOR TREES, SHRUBS, AND VINES SHALL BE AS FOLLOWS:

6 PARTS BY VOLUME ON-SITE SOIL
4 PARTS BY VOLUME ORGANIC AMENDMENT AS ABOVE
1 LB. 16-16-16 COMMERCIAL FERTILIZER PER CU. YD. OF MIX
2 LBS. IRON SULFATE PER CU. YD. OF MIX

'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 EXTRANEIOUS 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 EXTRANEIOUS 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 FLATS OR LINERS UNLESS OTHERWISE SPECIFIED, AND SHALL BE PLANTED IN STAGGERED ROWS 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 | | |



| | | | | | | | | | | |
|---|---|---|-----------|------|------|---|--|--|---|--|
| <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 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.</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> | # | REVISIONS | DATE | APP. | <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>GEO TECHNICAL CERTIFICATION, IF REQUIRED, BY:</p> <p><i>Mark W. Sambito</i> MARK W. SAMBITO, R.C.E. 53613, EXP. 6/30/2017 DATE 12/14/15</p> | <p>RECOMMENDED FOR APPROVAL BY:</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>PLANTING NOTES 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 26 OF 33</p> <p>PRIVATE REFERENCE # 150109</p> <p>PERMIT # E1500165</p> |
| | | <p>Dec 14, 2015 - 1:59pm Allison Rush F:\Rancho Mirage Dog Park\CD's\Planting.dwg</p> | | | | | | | | |

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 20' 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--** | COORDINATE COLOR OF FINISH WITH ARCHITECT. PROVIDE WITH DIMMING PHOTOCELL AND 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-PL1-F75-BC--** POLE-SH04-S-12-4G-0T--** | COORDINATE COLOR OF FINISH WITH ARCHITECT. PROVIDE WITH DIMMING PHOTOCELL AND MOTION SENSOR | ⊙ |
| S2 | 240 | 25/2129lm | 25W LED 5000K | POLETOP | LED FLOOD LIGHT FIXTURE MOUNTED AT 18' A.F.G. CONFIRM COLOR OF FINISH WITH OWNER PRIOR TO ORDERING. | BEACON | ARFI-K-10L SK-070-W-U--**-PC | COORDINATE COLOR OF FINISH WITH ARCHITECT. 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

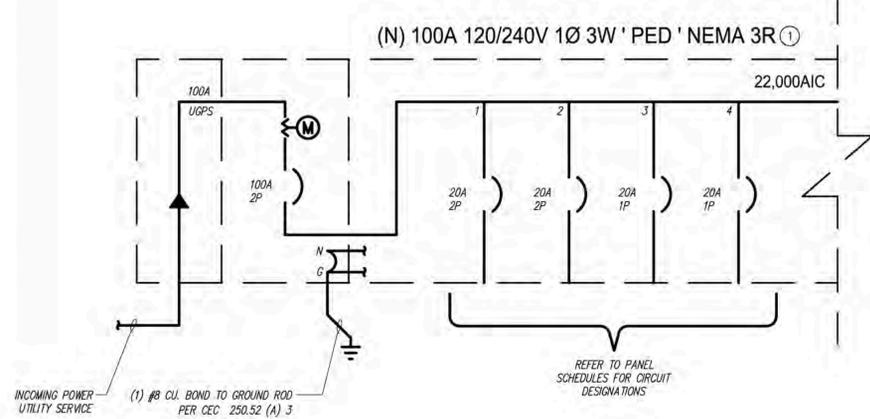
- THE FIXTURE SCHEDULE INDICATES GENERAL DESCRIPTION OF LIGHTING FIXTURES AND MANUFACTURERS CATALOG NUMBERS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE CORRECT CEILING CONFIGURATION AND PROVIDE THE FIXTURES WITH ALL NECESSARY TRIMS AND MOUNTING HARDWARE SO THAT BOTH THE CEILING SYSTEM AND THE FIXTURE CONSTRUCTION MATCHES. PROVIDE SEISMIC HANGERS AS REQUIRED.
- IT SHALL BE CONTRACTORS 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 CDMED.
- 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

| MOUNTING: SELF STANDING | | FED FROM: UTILITY | | NEMA: 3R | | AIC RATING: 22,000 AIC | | VOLTAGE: 120/240V 1PH 3W | | BUS: 100A | | MAIN: 100A 2P | | FEEDER: UTILITY | |
|-------------------------|---|-------------------|---------------|---------------|---------------|------------------------|---------------|--------------------------|-------------|--------------|----------------|---------------|-------------|----------------------|------------------|
| | | | | | | | | LOCATION: SEE SITE PLAN | | | | | | | |
| 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 | - | - | 468 | |
| | SPACE | | | | | 5 | A | - | 6 | 20 | 2 | L | 275 | PARKING LOT LIGHTING | |
| | SPACE | | | | | 7 | - | B | - | 8 | - | - | - | 275 | |
| | SPACE | | | | | 9 | A | - | 10 | | | | | SPACE | |
| | SPACE | | | | | 11 | - | B | - | 12 | | | | SPACE | |
| | SUBTOTALS | 360 | 500 | | | | | | | | 743 | 743 | | | |
| | DEMAND FACTORS: | CONNECTED | DEMAND | DEMAND | DEMAND | VA | FACTOR | VA | AMPS | PHASE | 1103 VA | A | | | |
| | LOAD TYPE | | | | | | | | | | 1243 VA | B | | | |
| | (L) LIGHTING | 1485 | 1.25 | 1856 | 8 | | | | | | | | | | |
| | (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

| VOLTAGE DROP - S1 FIXTURES | | | | | | | | | | |
|----------------------------|-----|-------|-------|---------|------|-----------|--------|------------|-------------|-------------|
| 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 |

| VOLTAGE DROP - P1 FIXTURES | | | | | | | | | | |
|----------------------------|-----|-------|-------|---------|------|-----------|--------|------------|-------------|-------------|
| 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



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 LOSSES 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 OPEN CONDUITS 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.

DESIGN WEST ENGINEERING
MECHANICAL, ELECTRICAL, ENERGY CONSULTANTS

273 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

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

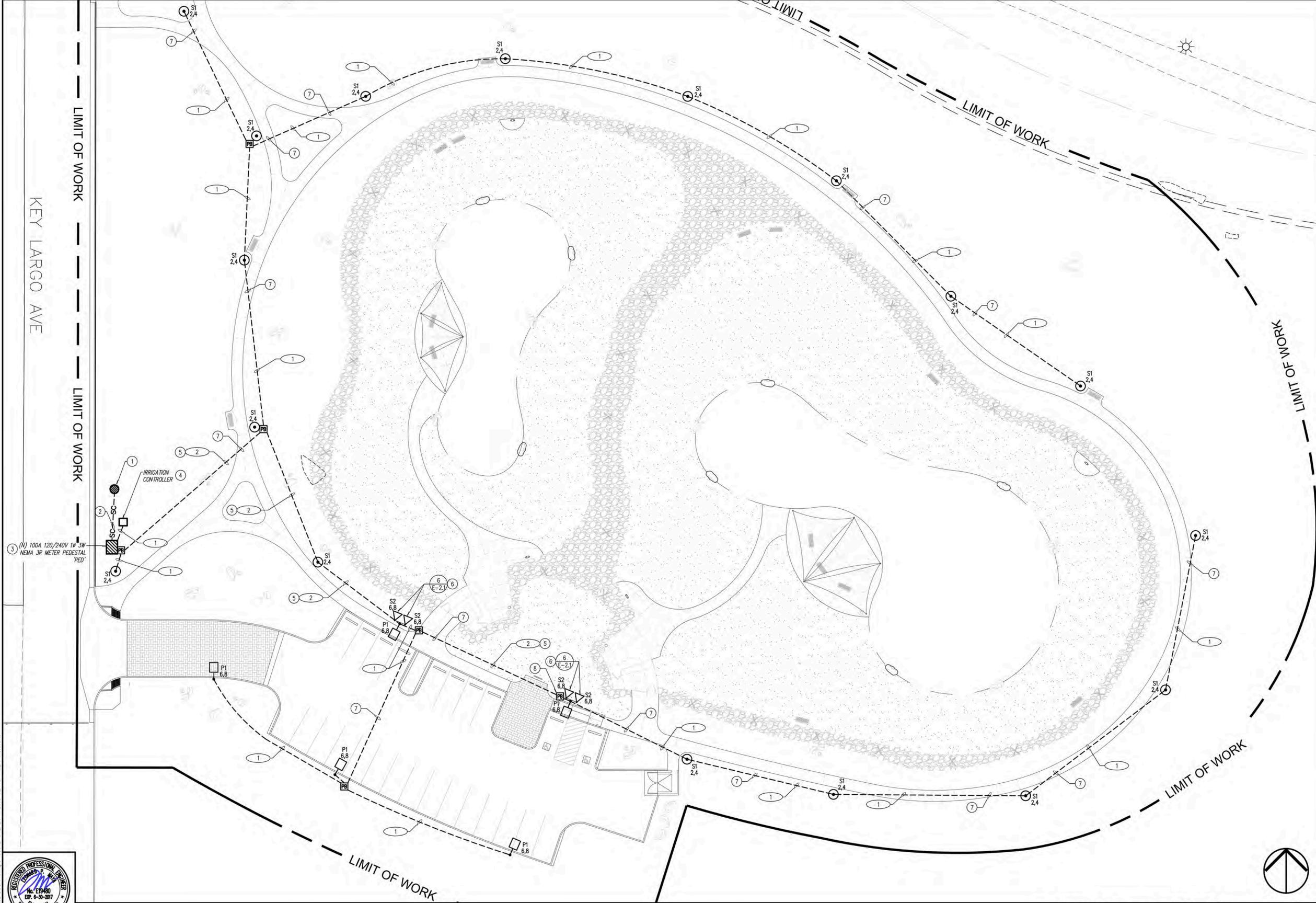
SEC. 30, T. 4, S. 6, E., S.B.B. & M. A.P.N. 685-090-011

SHEET 28 OF 33

PRIVATE REFERENCE # 150109

CITY REFERENCE # E1500165

PROJECT: 2015-083 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% |

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
 YOUR PRE-EXCAVATION TO NUMBER CALL
 UNDERGROUND SERVICE ALERT
 TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

| # | REVISIONS | DATE | APP. |
|---|-----------|------|------|
| | | | |
| | | | |
| | | | |

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, EXISTING 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.

DESIGN WEST ENGINEERING
 MECHANICAL, ELECTRICAL, ENERGY CONSULTANTS
 275 W. Hospitality Lane, Suite #100
 San Bernardino, CA 92408
 Phone: 909.293.3700
 Fax: 909.293.3770
 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

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

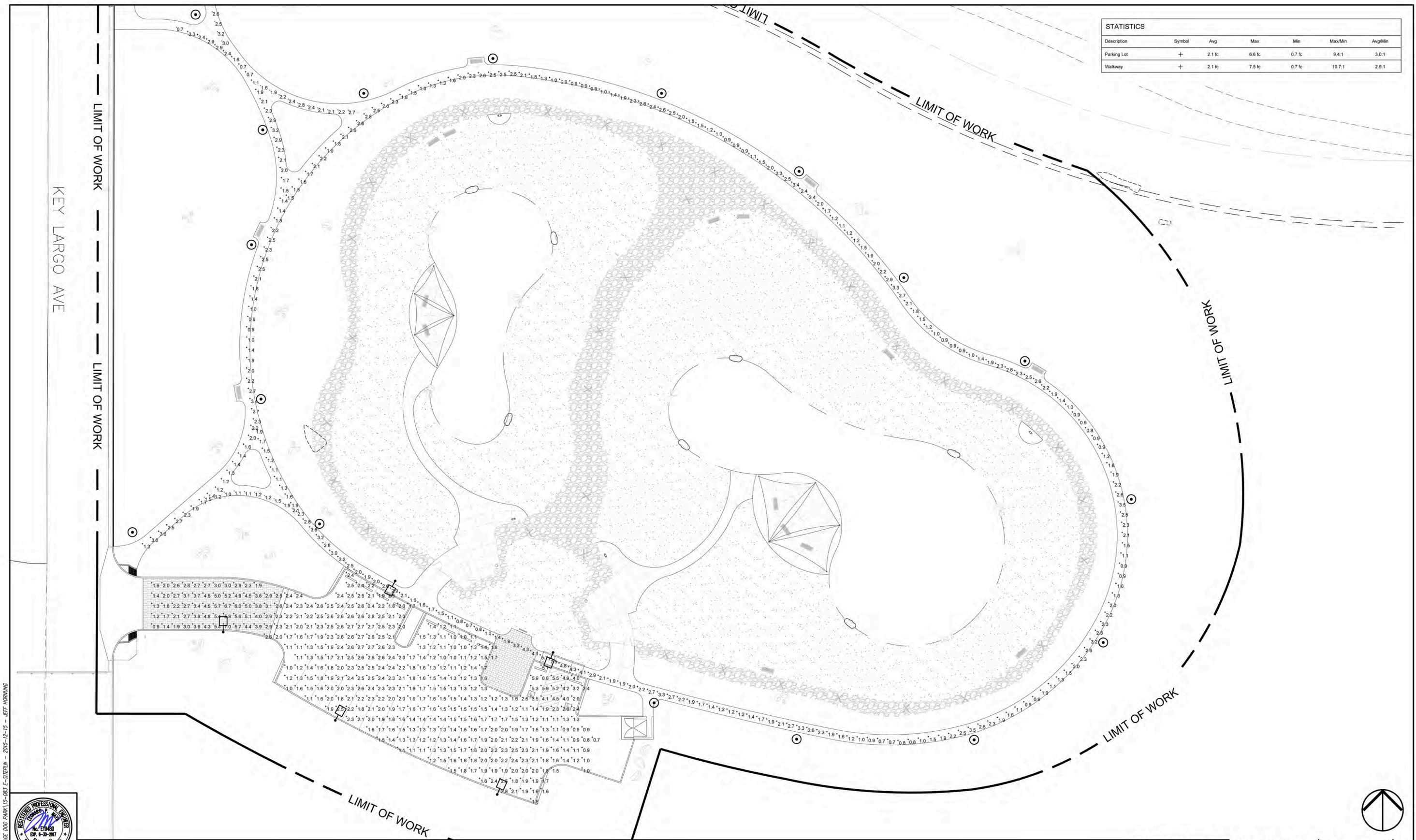
SHEET TITLE: ELECTRICAL SITE PLAN
 PROJECT: RANCHO MIRAGE DOG PARK
 DESCRIPTION: C.P. 14-311
 SITE ADDRESS: 34-100 KEY LARGO AVENUE
 LEGAL DESCRIPTION: A PORTION OF THE NE CORNER OF
 SEC. 30, T. 4, S. 1, R. 6, E., S.B.B. & M. A.P.N. 685-090-011

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
SECTION 4216 OF THE GOVERNMENT CODE 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

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. 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
375 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
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

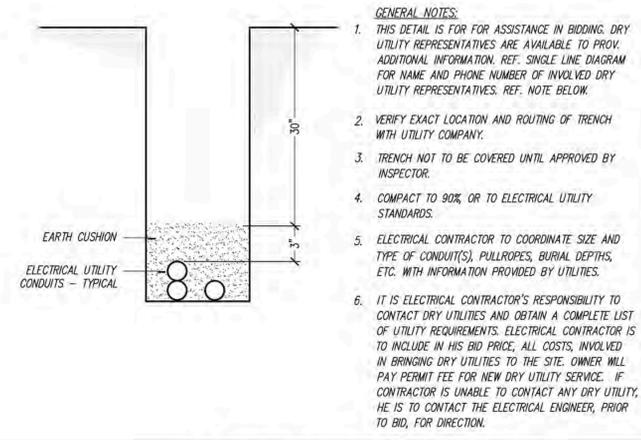
RECOMMENDED FOR APPROVAL BY:
MARK W. SAMBITO DATE: R.C.E. 53613, EXP. 6/30/2017
APPROVED BY CITY OF RANCHO MIRAGE:
WILLIAM A. ENOS, CITY ENGINEER DATE: R.C.E. 43910, EXP. 6/30/2017

PHOTOMETRIC SITE PLAN SCALE: 1" = 20'-0" 1

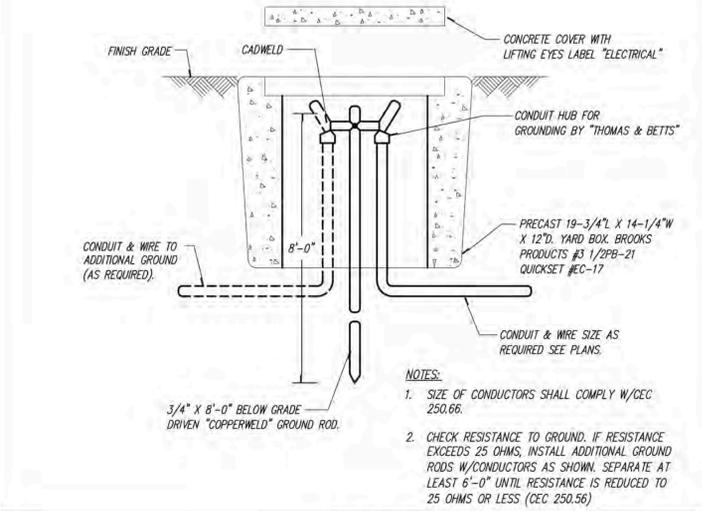
CITY OF RANCHO MIRAGE

SHEET TITLE: PHOTOMETRIC 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., R. 6 E., S.B.B. & M. A.P.N. 685-090-011

SHEET 31 OF 33
PRIVATE REFERENCE # 150109
CITY REFERENCE # E1500165



- 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.



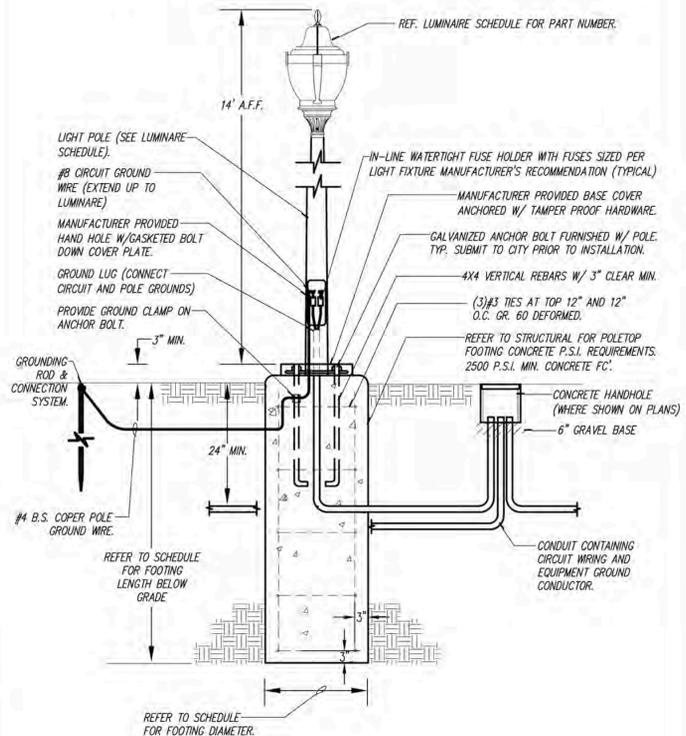
- NOTES:**
- SIZE OF CONDUCTORS SHALL COMPLY W/CEC 250.66.
 - CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS W/CONDUCTORS AS SHOWN. SEPARATE AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56)

SERVICE LATERAL TRENCH

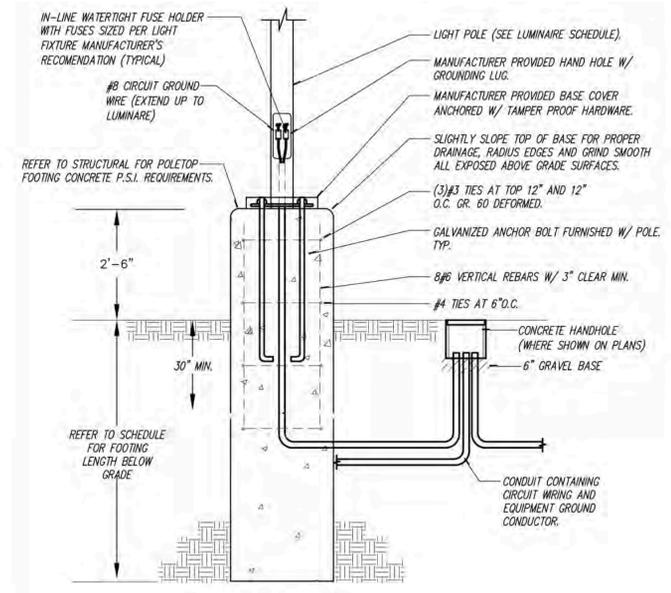
GROUND ROD DETAIL

POLETOP FOOTING SCHEDULE

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



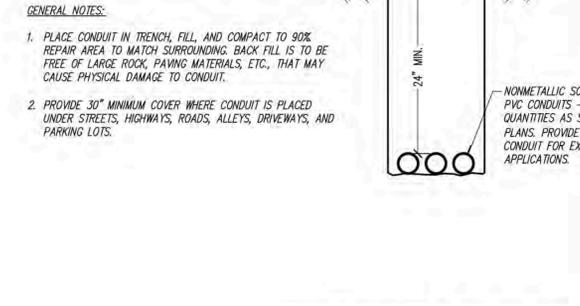
- GENERAL NOTES:**
- GROUND POLE TO GROUND CONDUCTORS IN CONDUITS.
 - REFER TO ARCHITECTURAL FOR FINAL SITE FIXTURE LOCATIONS.
 - LOCATE ALL SITE POLETOP FIXTURES SO THAT THEY LINE UP WITH THE NEAREST PARKING STRIP.
 - MANUFACTURERS' RECOMMENDATIONS SHALL SUPERCEDE THIS DETAIL.



POLETOP FOOTING SCHEDULE

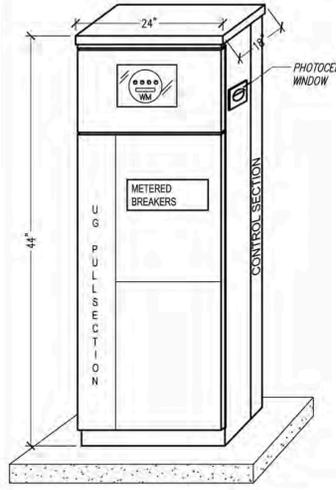
| POLE HEIGHT | FOOTING DEPTH BELOW GRADE | FOOTING DIAMETER | FOOTING HEIGHT ABOVE GRADE |
|---------------------|---------------------------|------------------|----------------------------|
| 15'-1" UP TO 20'-0" | 5'-0" | 2'-0" | 2'-0" |

- 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.



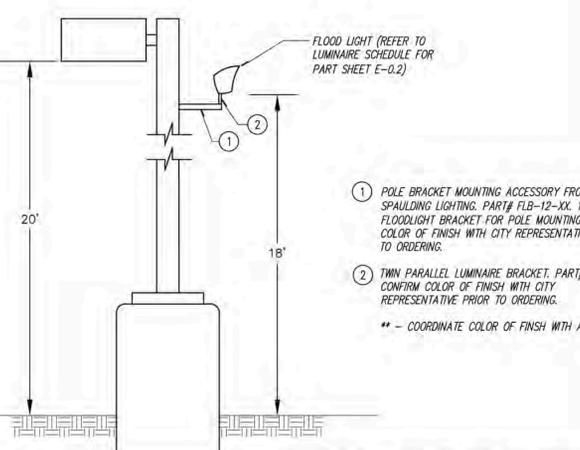
- GENERAL NOTES:**
- PLACE CONDUIT IN TRENCH, FILL, AND COMPACT TO 90%. REPAIR AREA TO MATCH SURROUNDING. BACK FILL IS TO BE FREE OF LARGE ROCK, PAVING MATERIALS, ETC., THAT MAY CAUSE PHYSICAL DAMAGE TO CONDUIT.
 - PROVIDE 30" MINIMUM COVER WHERE CONDUIT IS PLACED UNDER STREETS, HIGHWAYS, ROADS, ALLEYS,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

CONDUIT BURIAL



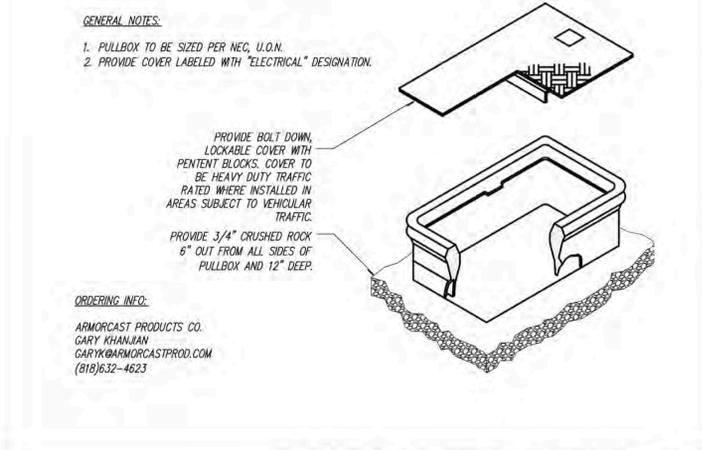
- GENERAL NOTES:**
- SWITCHBOARD TO BE IN NEMA 3R CABINET WITH HASP.
 - ORDERING INFORMATION ON SWITCHGEAR MAY BE OBTAINED FROM TESCO. PEDESTAL MODEL #27-100 AND IS TO BE SUPPLIED WITH MAIN & BRANCH CIRCUIT BREAKERS AS INDICATED ON A.C. BREAKER ASSIGNMENTS.
 - REF. BREAKER ASSIGNMENTS FOR INFO ON MAIN 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 GFCI 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.
- ** - COORDINATE COLOR OF FINISH WITH ARCHITECT.

FLOOD LIGHT FIXTURE



- GENERAL NOTES:**
- PULLBOX TO BE SIZED PER NEC, U.O.N.
 - PROVIDE COVER LABELED WITH "ELECTRICAL" DESIGNATION.
- PROVIDE BOLT-DOWN, LOCKABLE COVER WITH PENTON BLOCKS. COVER TO BE HEAVY DUTY TRAFFIC RATED WHERE INSTALLED IN AREAS SUBJECT TO VEHICULAR TRAFFIC.
- PROVIDE 3/4" CRUSHED ROCK 6" OUT FROM ALL SIDES OF PULLBOX AND 12" DEEP.
- ORDERING INFO:**
- ARMORCAST PRODUCTS CO.
GARY KHAMMAN
GARYK@ARMORCASTPROD.COM
(818)632-4623

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

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 APPEAL CONTRACTORS 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

2715 W. Inglewood Blvd., Suite #100
San Bernardino, CA 92408
Phone: 909.893.3700
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

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

SHEET NO. 32 OF 33

PRIVATE REFERENCE # 150109
CITY REFERENCE # E1500165

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

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 DIAGRAMMATIC. HOWEVER, RECONFIGURING 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.

PART 2 PRODUCTS

2.01 EQUIPMENT AND MATERIALS

A. ALL MATERIALS FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE NEW, FREE FROM DEFECTS, AND SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE OF THE WORK. SHOULD ANY TROUBLE DEVELOP DURING THEIR PERIOD DUE TO DEFECTIVE MATERIALS OR FAULTY WORKMANSHIP, THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS AND LABOR TO CORRECT THE TROUBLE WITHOUT ANY COST TO THE OWNER. ANY DEFECTIVE MATERIAL OR INFERIOR WORKMANSHIP NOTED AT THE TIME OF INSTALLATION SHALL BE CORRECTED IMMEDIATELY TO THE SATISFACTION OF THE OWNER.

B. ALL MAJOR EQUIPMENT COMPONENTS SHALL HAVE THE MANUFACTURER'S NAME, ADDRESS, MODEL NUMBER, AND SERIAL NUMBER PERMANENTLY ATTACHED IN A CONSPICUOUS MANNER.

2.02 CONDUIT

A. PROVIDE RACEWAYS AS INDICATED ON THE DRAWINGS AND AS HEREIN SPECIFIED. CONDUITS SHALL BE RIGID STEEL "ORO" (THICK WALL) GALVANIZED; ELECTRICAL METAL TUBING "EMT" (THIN WALL); FLEXIBLE STEEL, GALVANIZED; LIQUID-TIGHT, FLEXIBLE STEEL CONDUIT WITH GROUND BOND; ALUMINUM CONDUIT; OR SCHEDULE 40 PVC.

B. ALL EMPTY CONDUITS (CO) SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE INDICATED ON THE DRAWING.

C. WHERE CONDUIT CROSSES AN EXPANSION JOINT, PROVIDE APPROVED FITTINGS WHICH ALLOW DEFLECTIONS EQUIVALENT TO TWICE THE MOVEMENT ALLOWED BY THE DESIGN.

2.03 CONDUCTORS

A. PROVIDE A COMPLETE SYSTEM OF CONDUCTORS IN RACEWAY SYSTEMS AS SHOWN ON THE DRAWINGS AND THEN HEREIN SPECIFIED.

B. LIGHTING AND POWER CONDUCTORS SHALL BE COPPER, 600 VOLT, TYPE THHN/THAN, NO. 12 MINIMUM UNLESS OTHERWISE NOTED.

C. CONTROL CONDUCTORS SHALL BE 600V, TYPE THHN/THAN, NO. 14 MINIMUM SIZE UNLESS OTHERWISE NOTED.

2.04 FITTINGS

A. CONNECTOR, COUPLING, LOCKNUT, BUSHINGS AND CAPS USED WITH RIGID CONDUIT SHALL BE STEEL, THREADED AND GALVANIZED. BUSHINGS SHALL BE INSULATED.

B. EMT FITTINGS, CONNECTORS AND COUPLINGS SHALL BE STEEL, ZINC, OR CADMIUM PLATED, COMPRESSION TYPE, WITH INSULATED THROAT.

C. FLEXIBLE STEEL CONDUIT CONNECTORS SHALL BE TWIST-IN-TYPE WITH INSULATED THROAT. THE FINISH SHALL BE ZINC OR CADMIUM PLATING.

D. EMT CONDUIT FITTINGS SHALL BE THE COMPRESSION TYPE; SET SCREW FITTINGS SHALL NOT BE USED.

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, 3-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 SHEARDED, 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/OUTLER HAMMER WITH LUGS LU 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 DIAGRAMMATIC. 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 SWITCHBOARDS 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/OUTLER 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 OPERATION. 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.

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 SHELL BE 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.

2015-12-15-083 RANCHO MIRAGE DOG PARK 15-083 E-SPECS - 2015-12-15 - JEFF MORNING



IMPORTANT NOTICE
CALL BEFORE YOU DIG
SECTION 0216 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR 24-HOUR PRE-EXCAVATION ALERTS CALL 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. THIS RESPONSIBILITY 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.