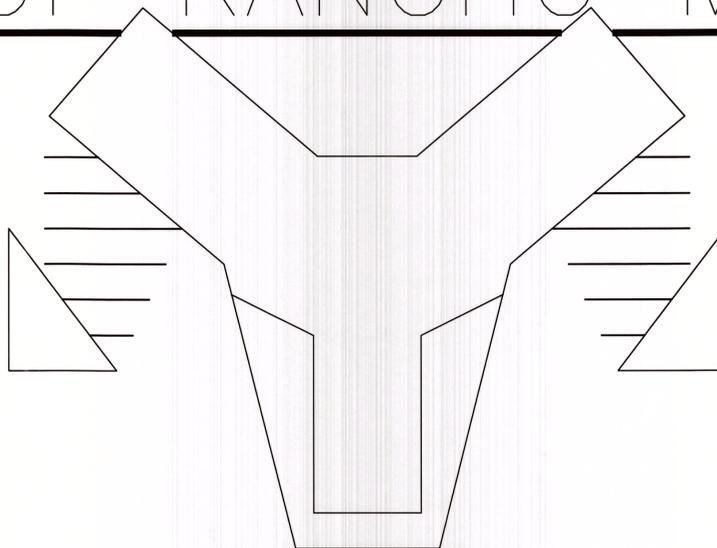


CITY OF RANCHO MIRAGE



FRANK SINATRA DRIVE MEDIAN ISLANDS FROM MORNINGSIDE DR. TO BOB HOPE DR. CP # 12-278

INDEX:

COVER	L-0.00
DEMOLITION PLAN	L-1.00 - L-1.03
HARDSCAPE CONSTRUCTION PLAN	L-2.00 - L-2.02
HARDSCAPE CONSTRUCTION DETAILS	L-2.03
IRRIGATION PLANS	L-3.00 - L-3.02
IRRIGATION PLAN / WATER USE CALCULATIONS	L-3.03
IRRIGATION DETAILS	L-4.00
PLANTING PLAN	L-5.00 - L-5.02
PLANTING PLAN AND DETAILS	L-5.03
ELECTRICAL GENERAL NOTES AND LEGEND	E-1.00
ELECTRICAL SCHEDULES AND DETAILS	E-1.01
ELECTRICAL SITE LIGHTING PLAN	E-2.00 - E-2.03

STANDARD SYMBOLS AND ABBREVIATIONS

	LIMIT OF WORK	HDR	HEADERBOARD
	SHEET MATCHLINE	ALN	ALIGN
	MOUNDING (NOT TO EXCEED 3:1)	TYP	TYPICAL
	HIGH POINT OF MOUND (IN INCHES)	PA	PLANTING AREA
	KEYNOTE, SEE MASTER LIST ON SHEET	CL	CENTER LINE
	DETAIL NUMBER	PL	PROPERTY LINE
	SHEET NUMBER	RD	RADIUS
	EXPANSION JOINT	DR	DOWN RISERS
	SCORE JOINT	EQ	EQUAL
	POINT OF BEGINNING FOR DIMENSIONING	WS	WATER SURFACE LEVEL
	DIRECTION OF SLOPE, 1% MIN. ON HARDSCAPE	MIN	MINIMUM
	ELEVATION DETAIL	COL	COLUMN
		HP	HIGH POINT
		LP	LOW POINT
		DIA	DIAMETER
		CONT	CONTINUOUS
		HT	HEIGHT
		SIM	SIMILAR
		O.C.	ON CENTER
		D.G.	DECOMPOSED GRANITE

Landscape Documentation Package Checklist Frank Sinatra Median Islands

Tract or Parcel Number: _____
 Assessor's Parcel Number (APN): _____
 Project Location: Frank Sinatra Drive, Rancho Mirage, between Morningside Dr. and Bob Hope Dr.
 Landscape Architect / Irrigation Designer / Contractor N/A
 RGA Landscape Architects, 74020 Alessandro Dr., Ste. E, Palm Desert, Ca.

Included in this Landscape Documentation Package are:

- 1. Water Efficient Landscape Worksheet
- 2. Maximum Applied Water Allowance (MAWA):
 Conventional Landscape: 1480.18 100 cubic feet per year
 Recreational Turfgrass Landscape: 0 100 cubic feet per year
 Maximum Applied Water Allowance: 1480.18 100 cubic feet per year
- 3. Estimated Total Water Use by Hydrozone:
 Very Low Plant Hydrozones: 0.00 100 cubic feet per year
 Low Plant Hydrozones: 154.92 100 cubic feet per year
 Moderate Plant Hydrozones: 1236.12 100 cubic feet per year
 High Plant Hydrozones: 0.00 100 cubic feet per year
 Turfgrass Hydrozones: 0.00 100 cubic feet per year
 Recreational Turfgrass Hydrozones: 0.00 100 cubic feet per year
 Annual Color: 0.00 100 cubic feet per year
 Water Features: 0.00 100 cubic feet per year
 Estimated Total Water Use (ETWU): 1380.04 100 cubic feet per year

WATER BUDGET CALCULATIONS

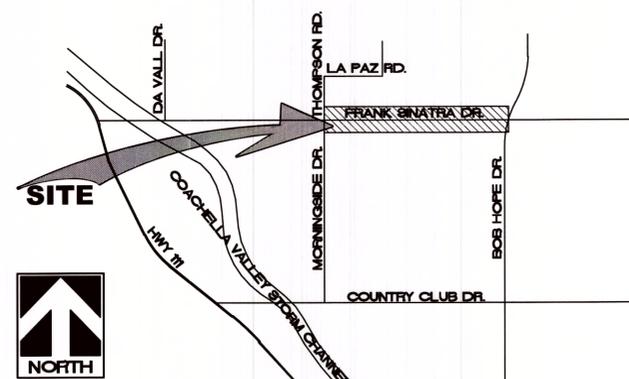
- 4. ETWU < MAWA

PLAN SETS

- 5. Landscape Design Plan
- 6. Irrigation Design Plan
- 7. Grading Design Plan
- 8. Soil Management Report

I agree to comply with the requirements of the water efficient landscape ordinance and submit a complete Landscape Documentation Package.
 Date: 1/30/2014 Applicant: Luke Taylor

VICINITY MAP



SPECIFICATIONS
 SHEET BOOK

DATE: 1/30/14

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CVWD LANDSCAPE APPROVAL

These plans have been reviewed by the Coachella Valley Water District in accordance with Water Code Title 7, Chapter 3, Article 10.8, Section 65597 et seq. requiring sufficient landscape and irrigation design in cooperation with the local governing agency (City or County). Approval of this drawing by CVWD staff does not constitute approval to encroach into district and USBR Rights-of-Way. Trees, plants, walls, and permanent structures of any kind may not be planted or installed in CVWD and USBR easements or right-of-way without first obtaining an encroachment permit from CVWD.

Date: 12/19/2011
 J. W. [Signature]
 WATER MANAGEMENT SUPERVISOR
 [Signature]
 DEVELOPMENT SERVICES SUPERVISOR

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

UNAUTHORIZED CHANGES & USES: THE ENGINEER PROVIDING 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 PROVIDER 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 AGREES TO OBTAIN NECESSARY AND VALID DESIGN PROFESSIONAL LIABILITY FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

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

#	REVISIONS	DATE	APP.

BENCH MARK, SEA LEVEL REF. _____
 (BASIS OF BEARING) _____

RGA RGA LANDSCAPE ARCHITECTS, INC.
 73061 EL PASO SUITE 210
 PALM DESERT, CA 92260
 (760) 368-3624
 FAX (760) 773-5615
 E-MAIL: RGA@RGA-PD.COM

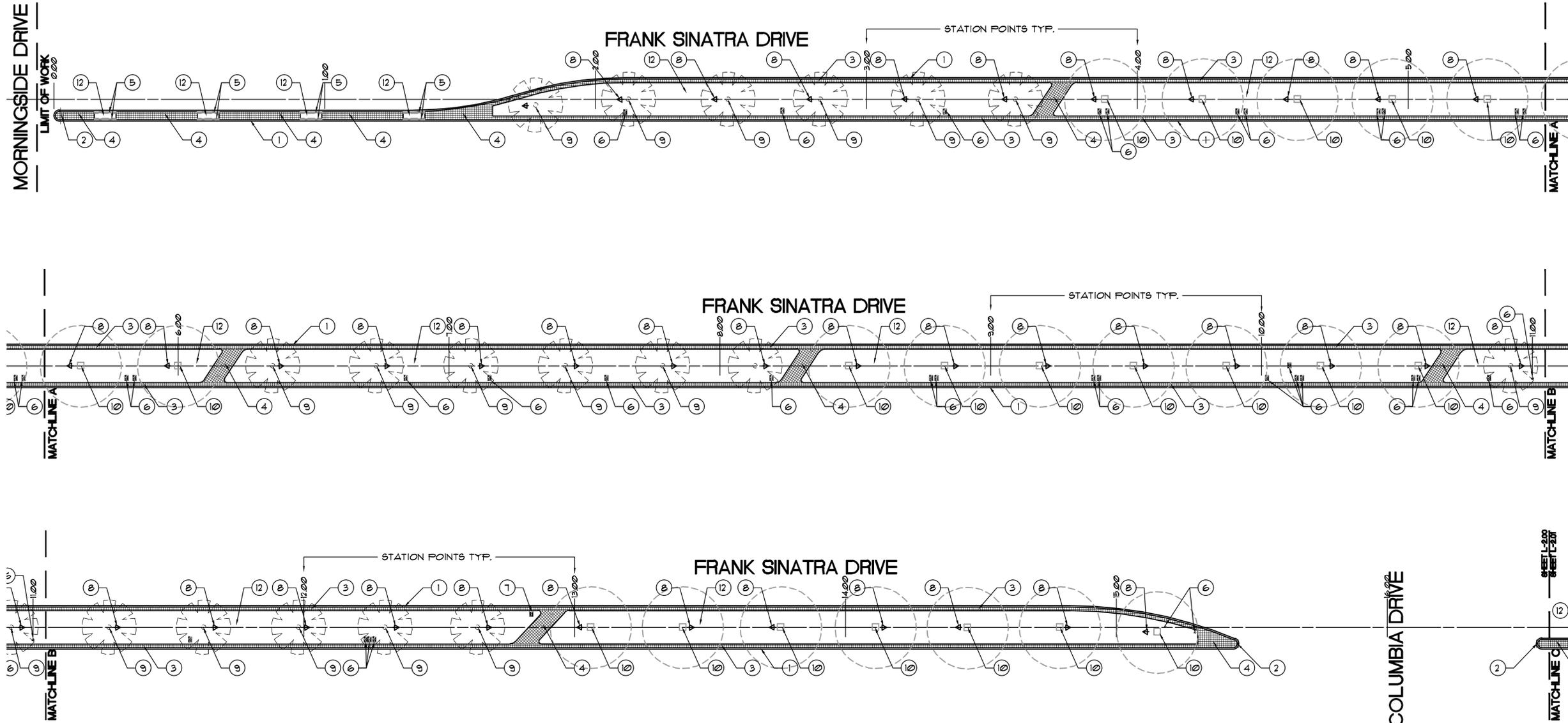
CITY OF RANCHO MIRAGE
 69025 HWY. 111
 RANCHO MIRAGE, CA 92270
 760-324-4511

PREPARED UNDER THE DIRECT SUPERVISION OF:
 RONALD GREGORY R.L.A. 1532 EXP. 9/30/15 DATE _____

RECOMMENDED FOR APPROVAL BY:
 [Signature] 2/12/14 DATE
 APPROVED BY CITY OF RANCHO MIRAGE:
 [Signature] 2/12/14 DATE
 WILLIAM A. ENOS, CITY ENGINEER
 R.C.E. 43910

CITY OF RANCHO MIRAGE
 COVER
 FRANK SINATRA DRIVE MEDIAN ISLANDS
 FROM MORNINGSIDE DR. TO BOB HOPE DR.
 RANCHO MIRAGE, CA

SHEET L-0.00
 OF 24
 PRIVATE REFERENCE # R1133
 CITY REFERENCE # CP # 12-278



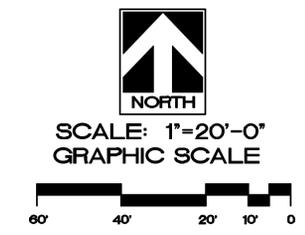
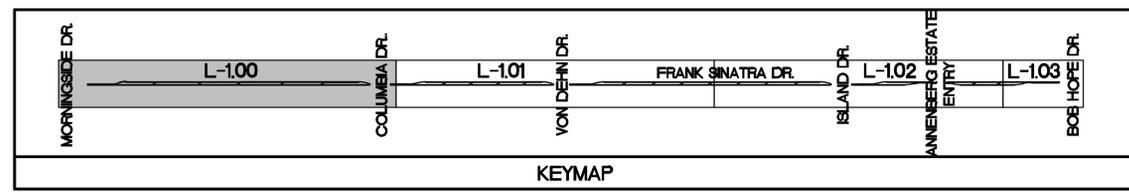
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DEMOLITION PLAN

RANCHO MIRAGE MEDIAN
 FRANK SINATRA DRIVE
 RANCHO MIRAGE, CA

SHEET TITLE:

PROJECT:

SPECIFICATIONS

SHEET	BOOK
JOB CAPTAIN:	LT
DRAWN:	LT
CHECKED:	
PROJ. NO:	R1133
DATE:	1/30/14
SCALE:	1" = 20'-0"

REVISIONS:

SHEET NO:

L-1.00

DEMOLITION PLAN
RANCHO MIRAGE MEDIAN
FRANK SINATRA DRIVE
RANCHO MIRAGE, CA

SHEET TITLE:

PROJECT:

SPECIFICATIONS

SHEET BOOK

JOB CAPTAIN: LT

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PROJ. NO: R1133

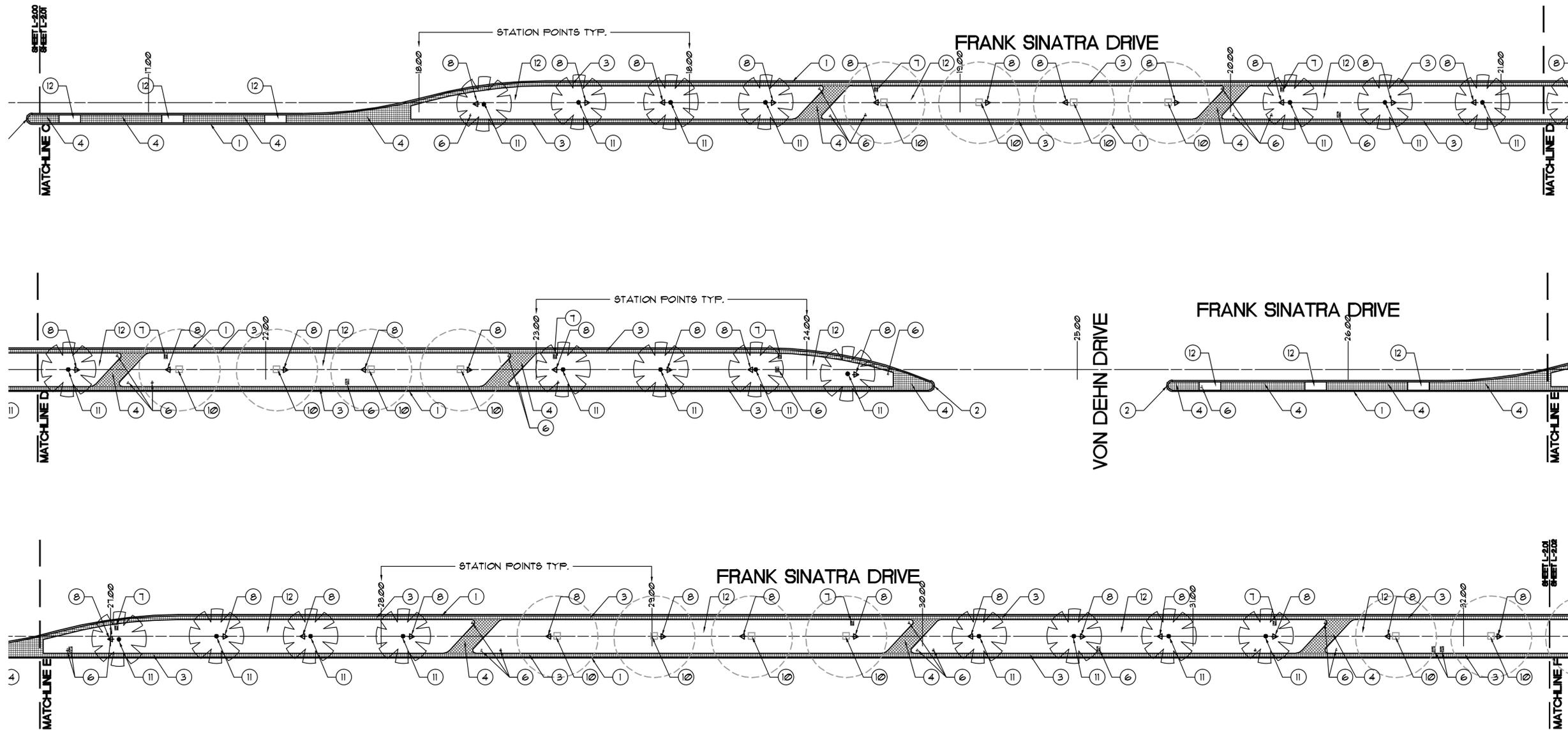
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SHEET NO:

L-1.01



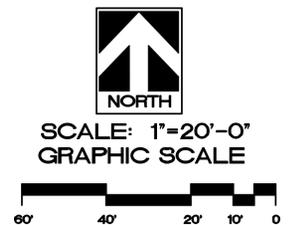
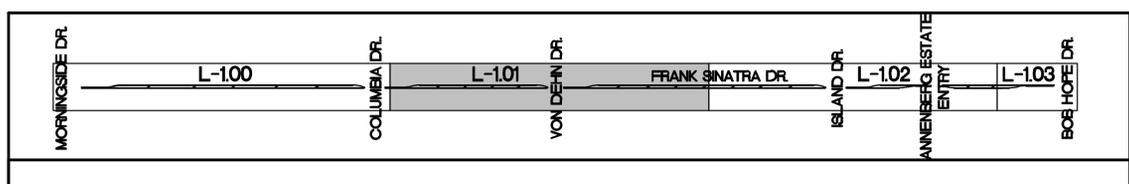
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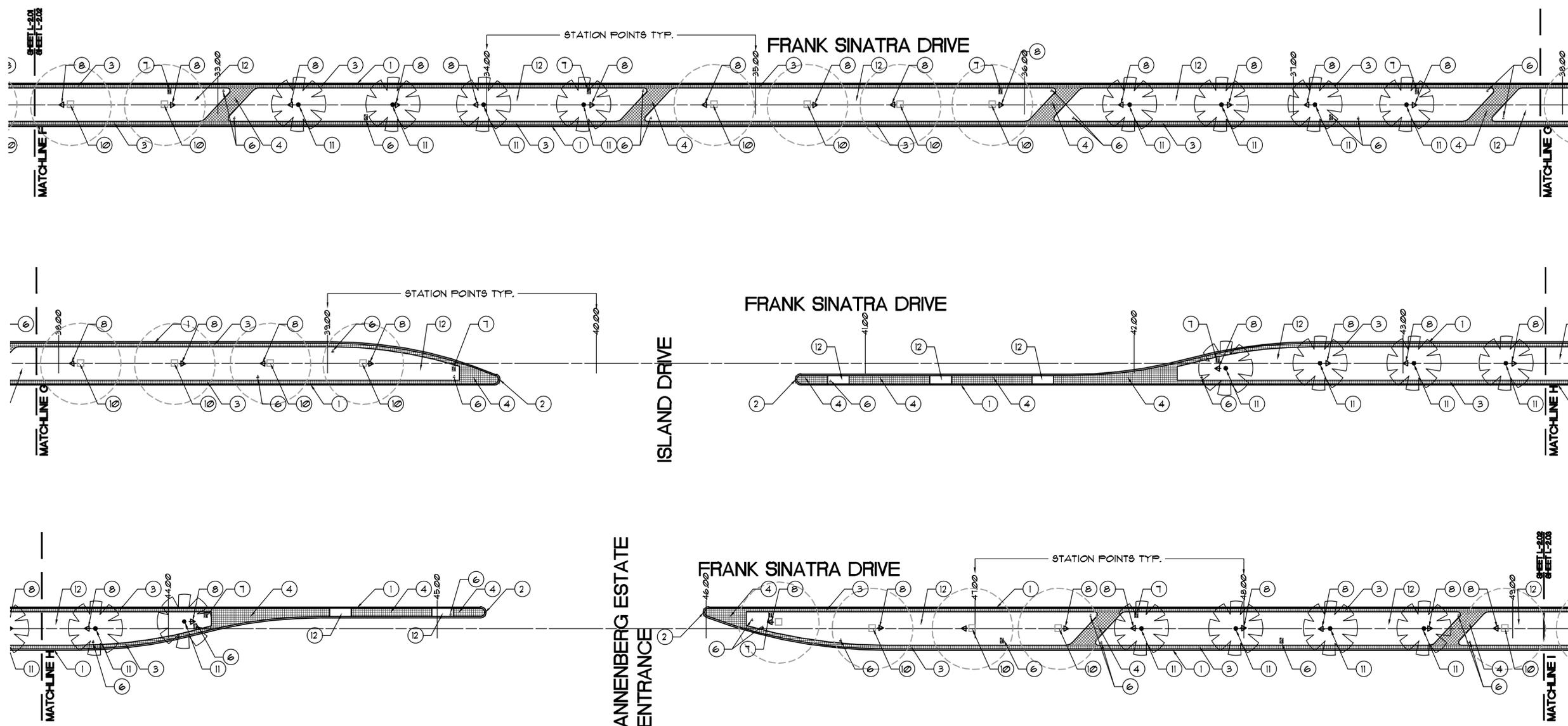
DEMOLITION PLAN
RANCHO MIRAGE MEDIAN
 FRANK SINATRA DRIVE
 RANCHO MIRAGE, CA

SHEET TITLE:

PROJECT:

SPECIFICATIONS	
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JOB CAPTAIN:	LT
DRAWN:	LT
CHECKED:	
PROJ. NO:	R1133
DATE:	1/30/14
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SHEET NO:
L-1.02
 CITY PROJECT NO. CP 12-278



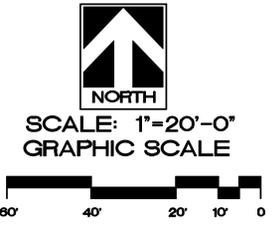
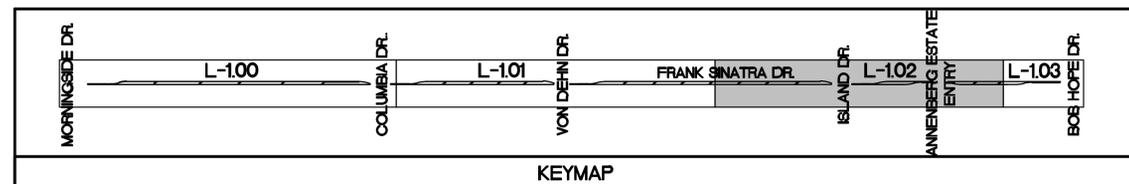
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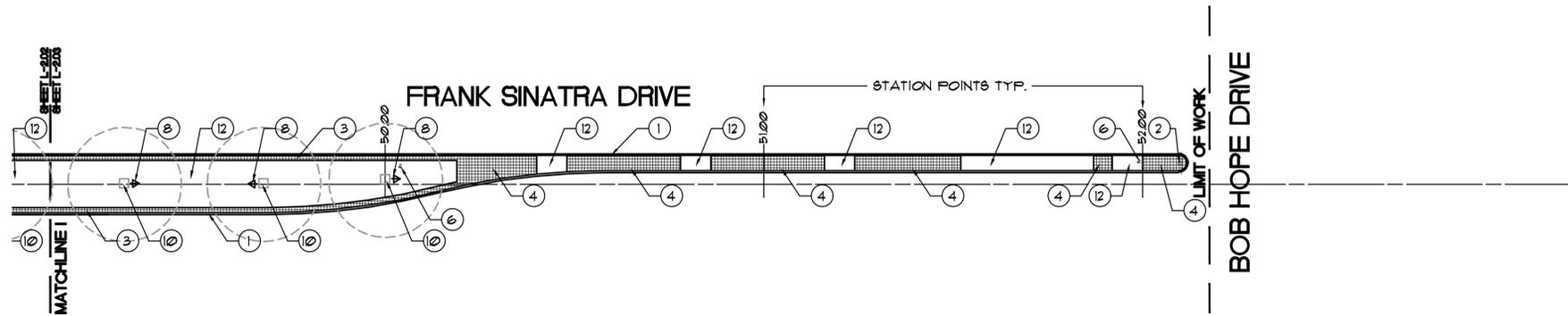
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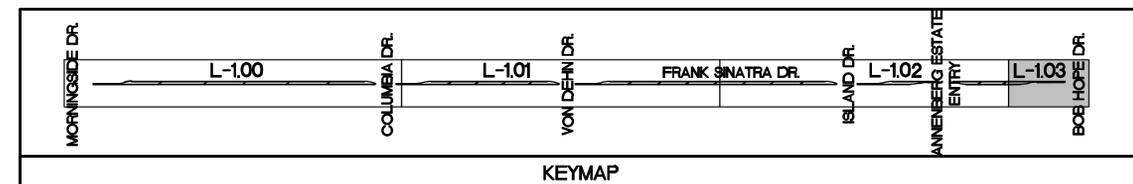
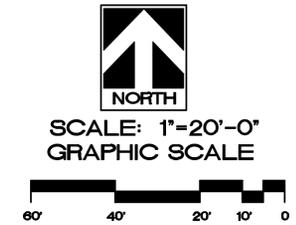
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RG
 LANDSCAPE ARCHITECTS, INC.
 73061 EL PASO, SUITE 210
 PALM DESERT, CA 92260
 (760) 568-3624
 (760) 773-5615 FAX
 E-MAIL: rge@rga-pd.com

SHEET TITLE: **DEMOLITION PLAN**

PROJECT: **RANCHO MIRAGE MEDIAN
FRANK SINATRA DRIVE
RANCHO MIRAGE, CA**

SPECIFICATIONS	
SHEET <input type="checkbox"/>	BOOK <input checked="" type="checkbox"/>
JOB CAPTAIN:	LT
DRAWN:	LT
CHECKED:	
PROJ. NO:	R1133
DATE:	1/30/14
SCALE:	1" = 20'-0"
REVISIONS:	
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△	
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△	
△	

SHEET NO:
L-1.03

CITY PROJECT NO. CP 12-278



LANDSCAPE ARCHITECTS, INC.
73061 EL PASO, SUITE 210
PALM DESERT, CA 92260
(760) 568-3624
(760) 773-5615 FAX
E-MAIL: rge@rga-pd.com

HARDSCAPE CONSTRUCTION PLAN

PROJECT:
RANCHO MIRAGE MEDIAN
FRANK SINATRA DRIVE
RANCHO MIRAGE, CA

SHEET TITLE:

SPECIFICATIONS

SHEET BOOK

JOB CAPTAIN: LT

DRAWN: LT

CHECKED:

PROJ. NO: R1133

DATE: 1/30/14

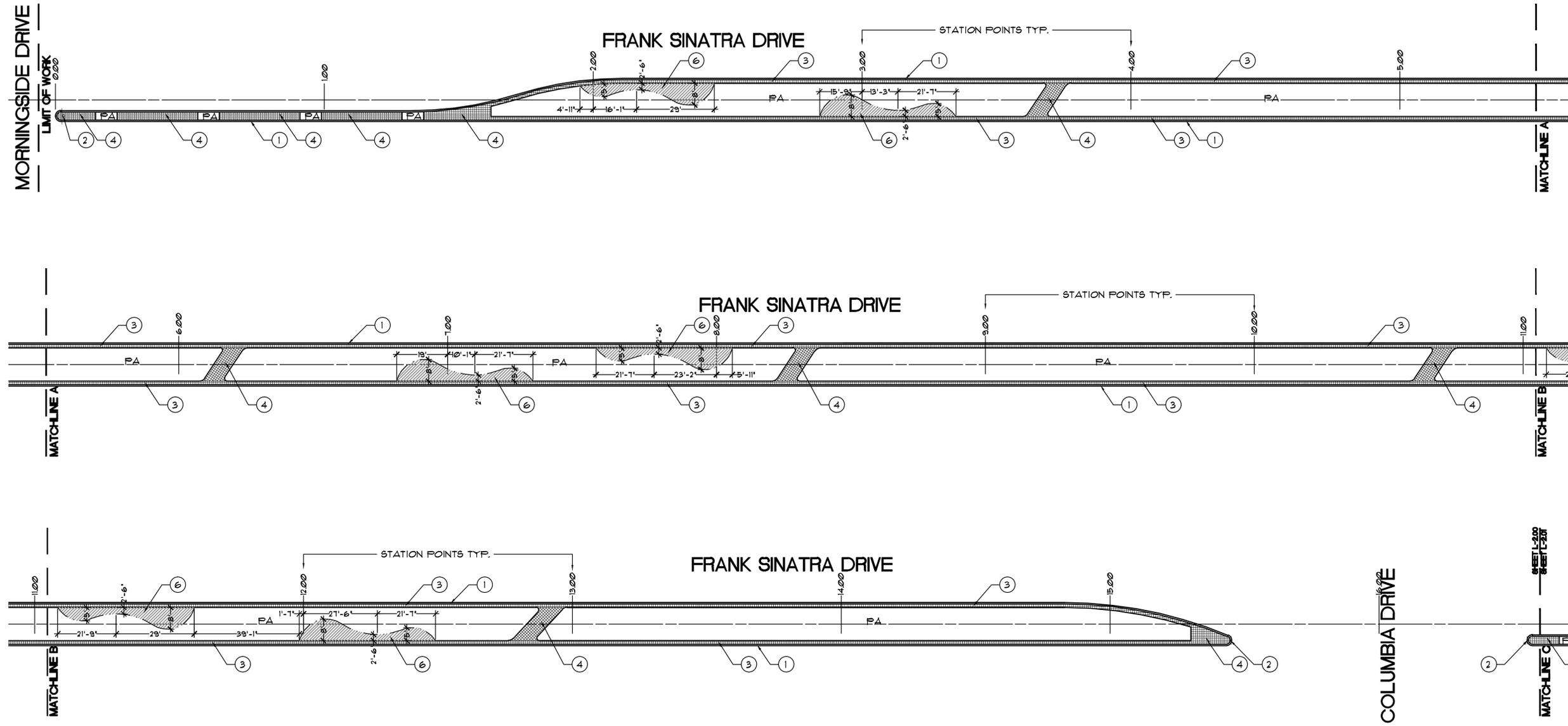
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REVISIONS:

SHEET NO:

L-2.00

CITY PROJECT NO. CP 12-278

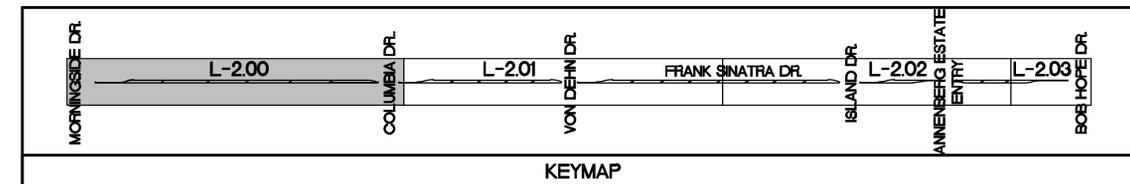


HARDSCAPE GENERAL NOTES:

- PA PLANTING AREA.
- === IRRIGATION SLEEVING: TO ALL POT AND INTERIOR PLANTER LOCATIONS. SLEEVING UNDER WALKWAY - SCHEDULE 40 PVC 1 1/2 TIMES DIAMETER OF IRRIGATION PIPE. (RECORD FIELD LOCATIONS)
- CONTRACTOR TO COORDINATE IRRIGATION SLEEVING BETWEEN HARDSCAPE AND IRRIGATION PLANS.
- INCLUDE PENETRATING MATTE FINISH SEALER ON ALL SITE CONCRETE AND PAVERS.
- THIS PLAN IS INTENDED TO PROVIDE AESTHETIC DIRECTION AND FINISHES ONLY.

KEYNOTES:

- ① EXISTING CONCRETE CURB TO REMAIN. PROTECT IN PLACE.
- ② EXISTING SIGNS TO REMAIN. PROTECT IN PLACE.
- ③ EXISTING 16" STAMPED COLORED CONCRETE BAND TO REMAIN. PROTECT IN PLACE.
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- ⑥ ARIZONA COBBLE - 3'-6" DIA. - PERCENTAGE OF MATERIAL SIZES TO BE EQUAL. - DRY PACK IN 1800 PSI TYPE 'S' MORTAR. PLACE 2" DIA HOLE AROUND PLANTS TO ALLOW FOR GROWTH. SEE DETAIL 'B', SHEET L-2.03.

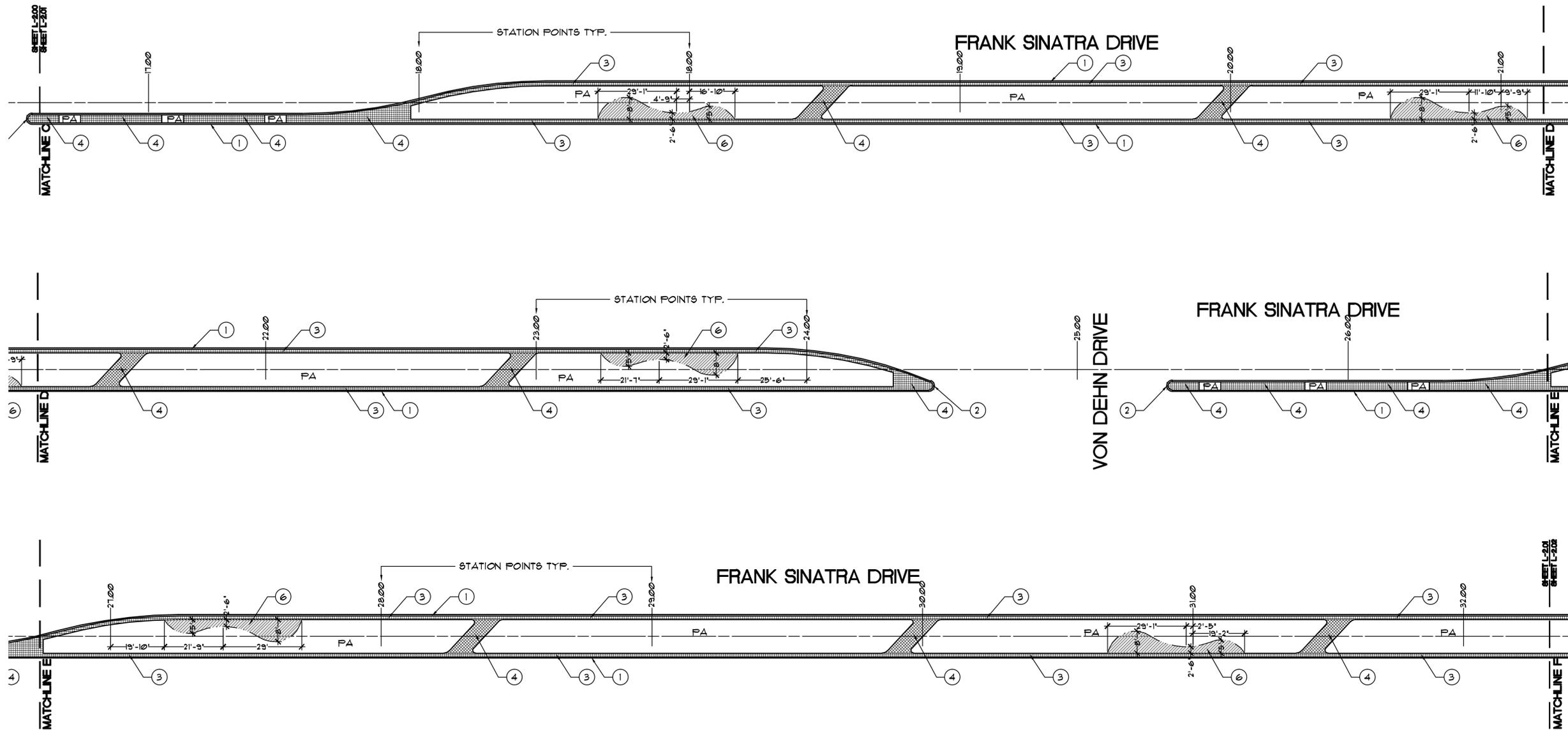


SCALE: 1"=20'-0"
GRAPHIC SCALE





LANDSCAPE ARCHITECTS, INC.
73061 EL PASO, SUITE 210
PALM DESERT, CA 92260
(760) 568-3624
(760) 773-5615 FAX
E-MAIL: rge@rga-pd.com



HARDSCAPE GENERAL NOTES:

PA PLANTING AREA.

--- IRRIGATION SLEEVING: TO ALL POT AND INTERIOR PLANTER LOCATIONS. SLEEVING UNDER WALKWAY - SCHEDULE 40 PVC 1 1/2 TIMES DIAMETER OF IRRIGATION PIPE. (RECORD FIELD LOCATIONS)

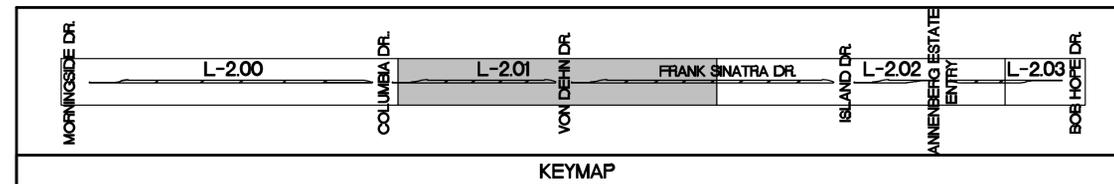
CONTRACTOR TO COORDINATE IRRIGATION SLEEVING BETWEEN HARDSCAPE AND IRRIGATION PLANS.

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



SHEET TITLE:
HARDSCAPE CONSTRUCTION PLAN

PROJECT:
RANCHO MIRAGE MEDIAN
FRANK SINATRA DRIVE
RANCHO MIRAGE, CA

SPECIFICATIONS	
SHEET	BOOK
JOB CAPTAIN:	LT
DRAWN:	LT
CHECKED:	
PROJ. NO:	R1133
DATE:	1/30/14
SCALE:	1" = 20'-0"
REVISIONS:	
△	
△	
△	
△	
△	

SHEET NO:
L-2.01
CITY PROJECT NO. CP 12-278



LANDSCAPE ARCHITECTS, INC.
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E-MAIL: rge@rga-pd.com

SHEET TITLE:
HARDSCAPE CONSTRUCTION PLAN

PROJECT:
RANCHO MIRAGE MEDIAN
FRANK SINATRA DRIVE
RANCHO MIRAGE, CA

SPECIFICATIONS

SHEET BOOK

JOB CAPTAIN: LT

DRAWN: LT

CHECKED:

PROJ. NO: R1133

DATE: 1/30/14

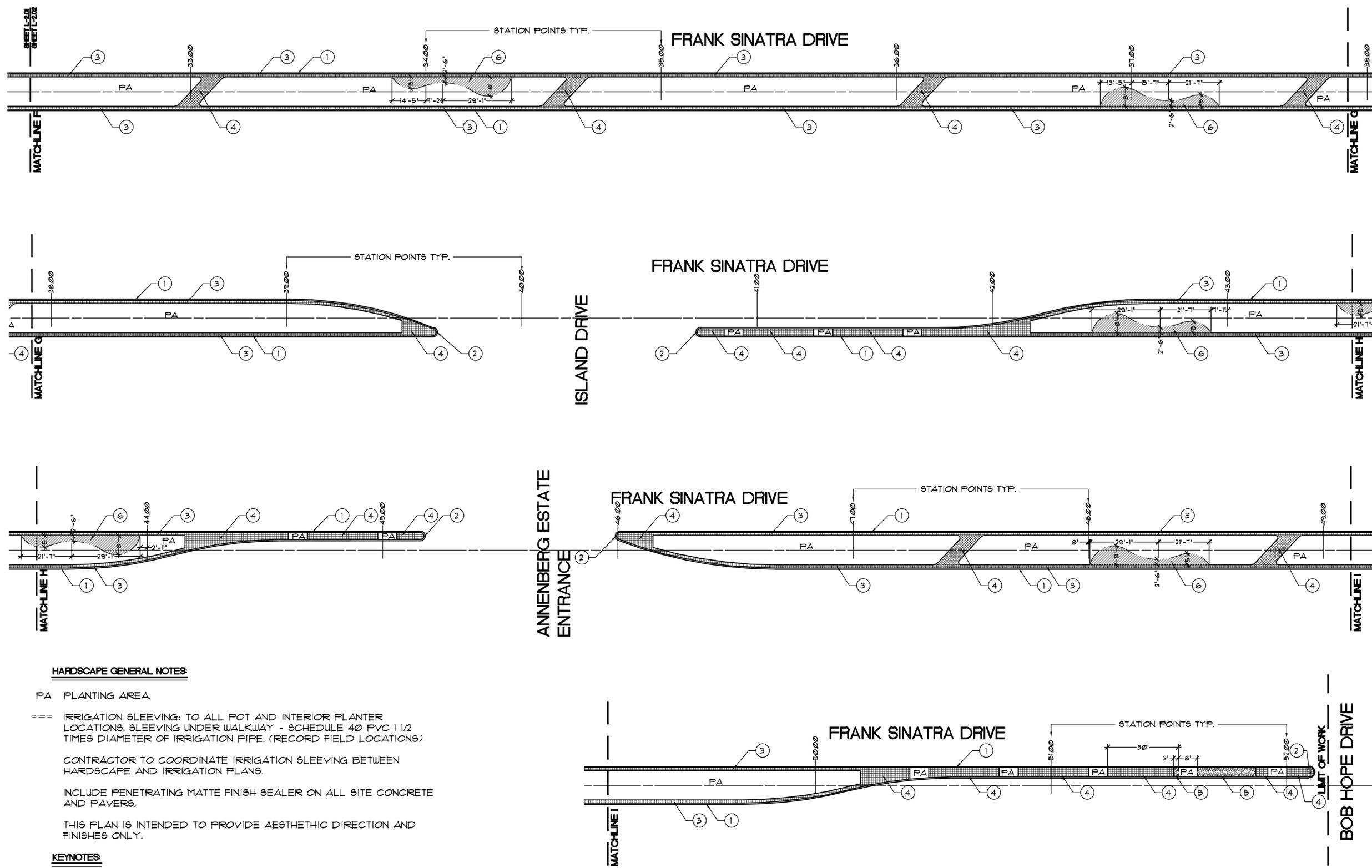
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REVISIONS:

SHEET NO:

L-2.02

CITY PROJECT NO. CP 12-278

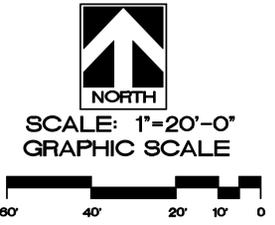
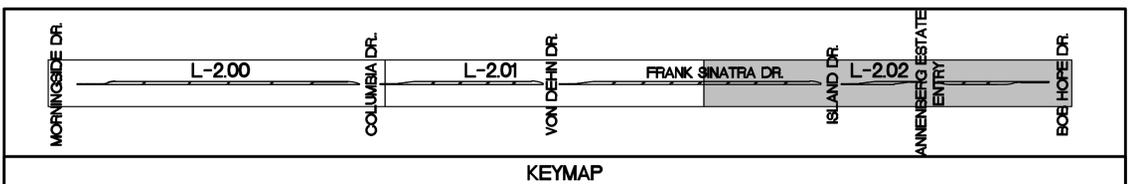


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HARDSCAPE CONSTRUCTION DETAILS

PROJECT: RANCHO MIRAGE MEDIUM
FRANK SINATRA DRIVE
RANCHO MIRAGE, CA

SHEET TITLE:

PROJECT:

SPECIFICATIONS

SHEET BOOK

JOB CAPTAIN: LT

DRAWN: LT

CHECKED:

PROJ. NO: R1133

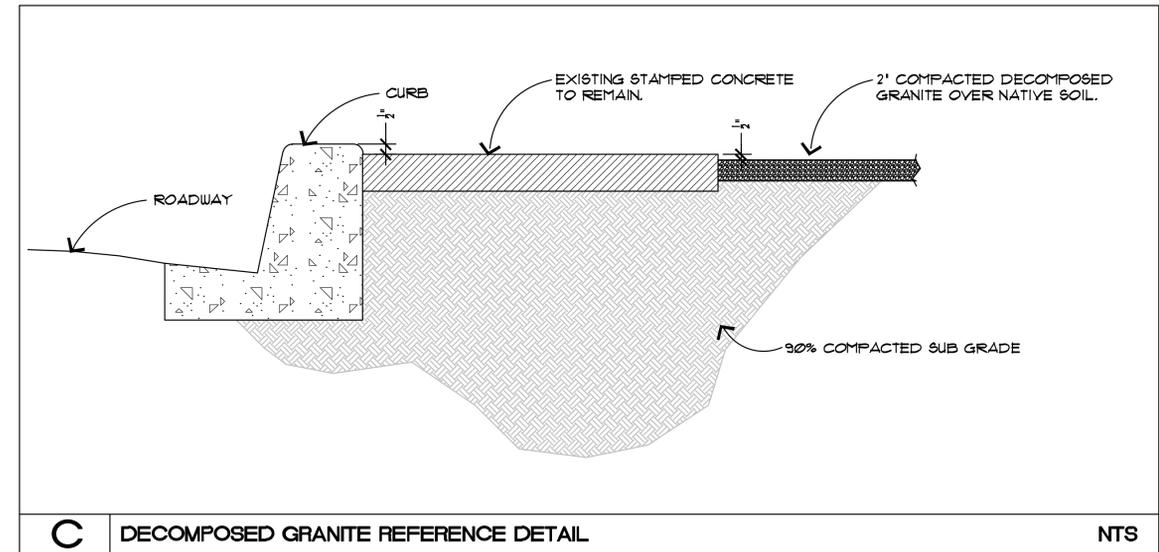
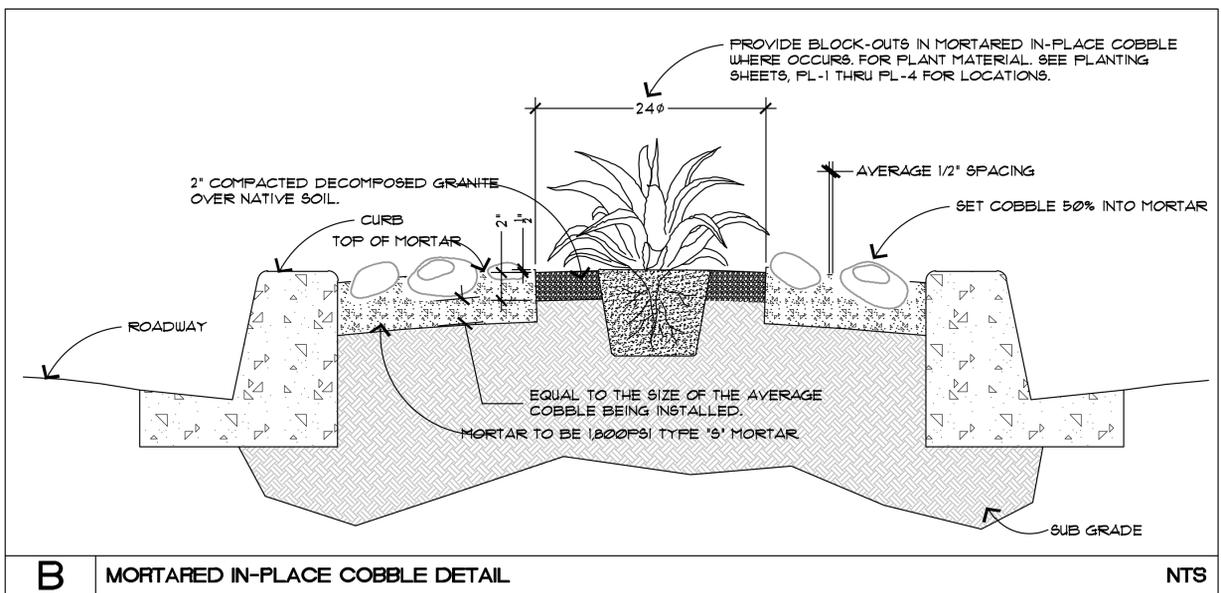
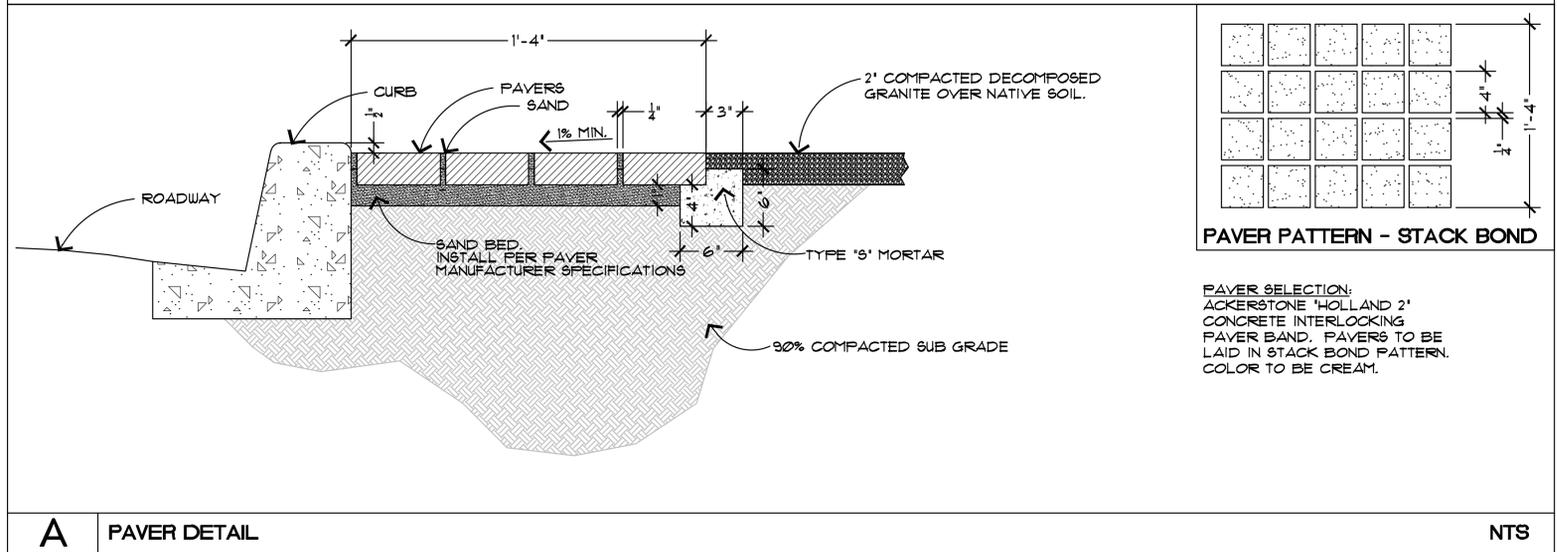
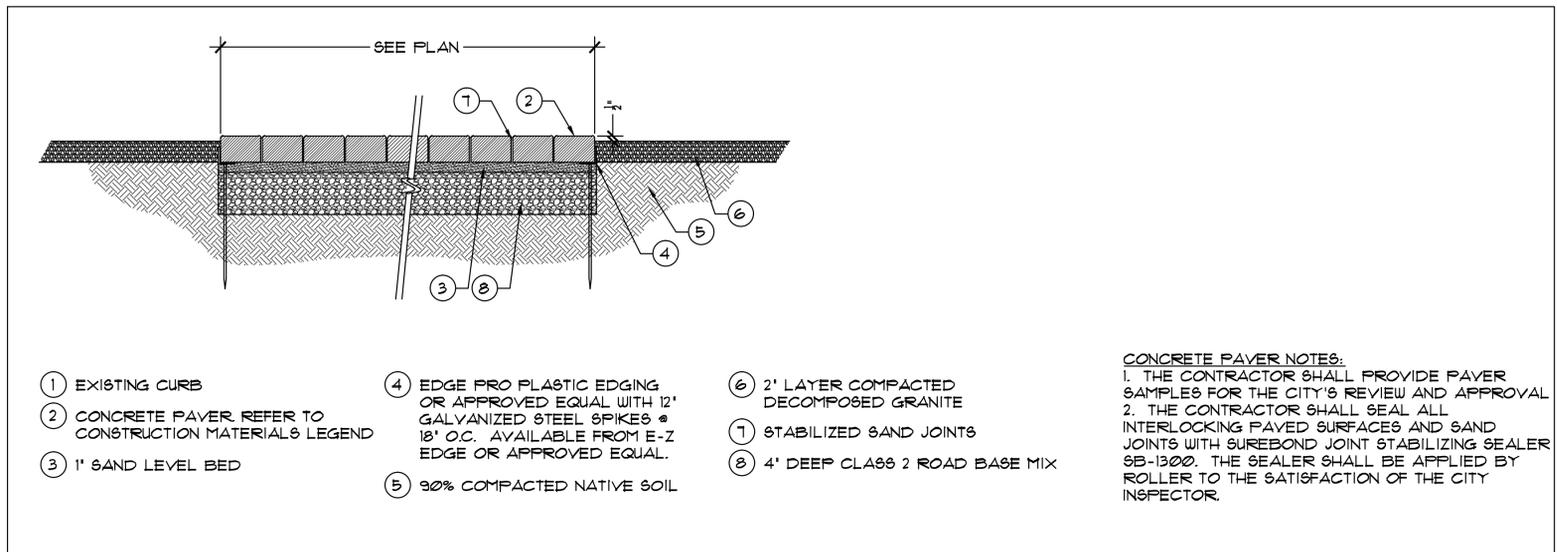
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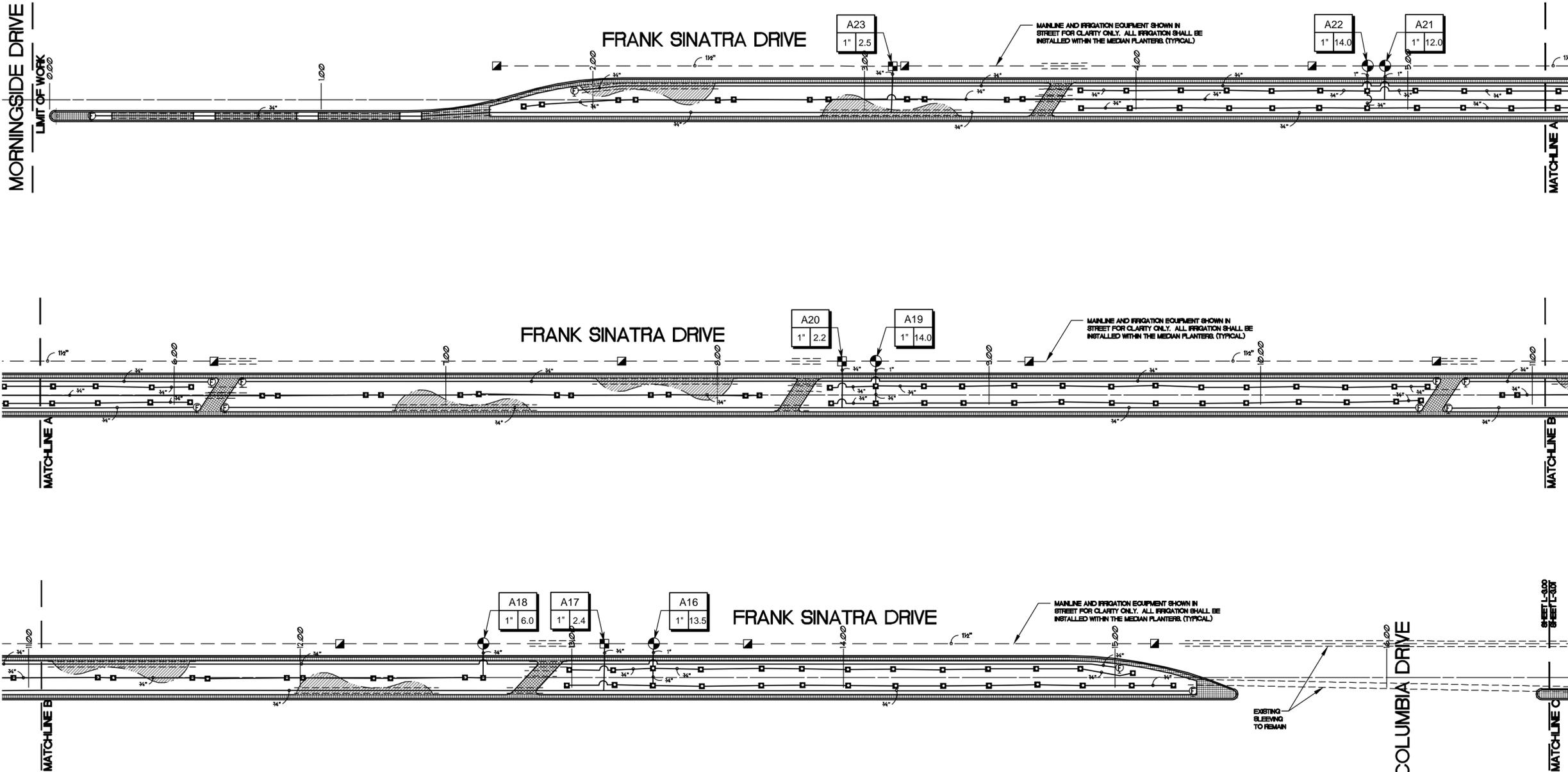
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REVISIONS:

SHEET NO:

L-2.03





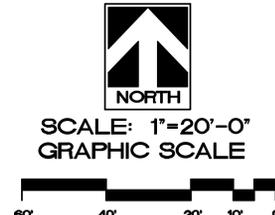
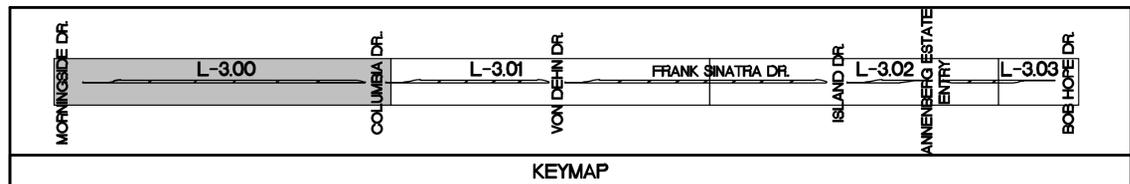
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NOTE:
 SEE SHEET L-3.03 FOR IRRIGATION LEGEND.



CVWD LANDSCAPE APPROVAL

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Date: 12/19/2011
 WATER MANAGEMENT SUPERVISOR
 DEVELOPMENT SERVICES SUPERVISOR

IRRIGATION PLAN

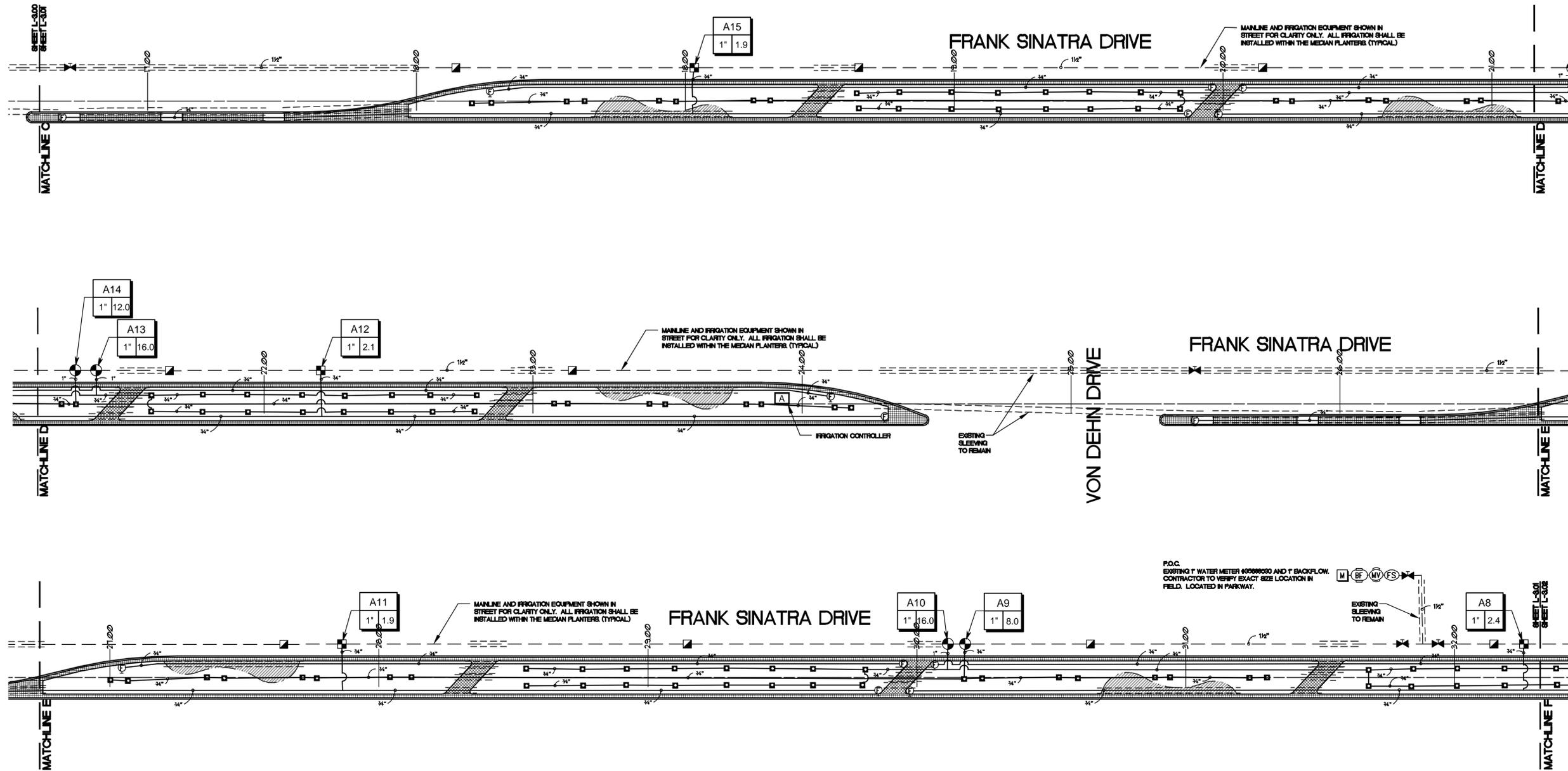
RANCHO MIRAGE MEDIAN
 FRANK SINATRA DRIVE
 RANCHO MIRAGE, CA

SHEET TITLE: PROJECT:

SPECIFICATIONS	
SHEET <input type="checkbox"/>	BOOK <input type="checkbox"/>
JOB CAPTAIN:	LT
DRAWN:	LT
CHECKED:	
PROJ. NO:	R1133
DATE:	1/30/14
SCALE:	1" = 20'-0"

REVISIONS:

SHEET NO:
L-3.00
 CITY PROJECT NO. CP 12-278
 L39735

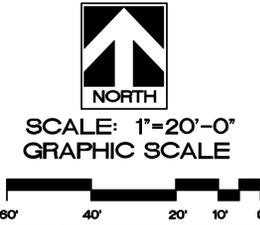
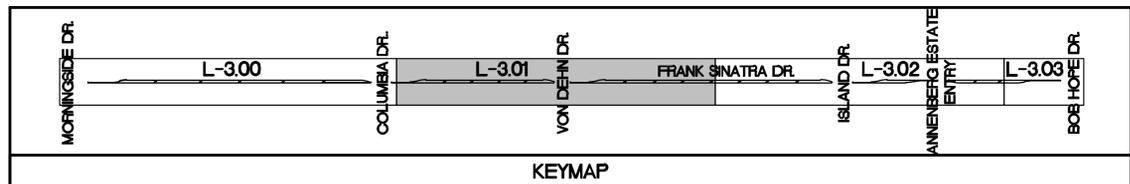


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Date: 12/19/2011
 WATER MANAGEMENT SUPERVISOR
 DEVELOPMENT SERVICES SUPERVISOR

IRRIGATION PLAN

RANCHO MIRAGE MEDIAN
 FRANK SINATRA DRIVE
 RANCHO MIRAGE, CA

SPECIFICATIONS

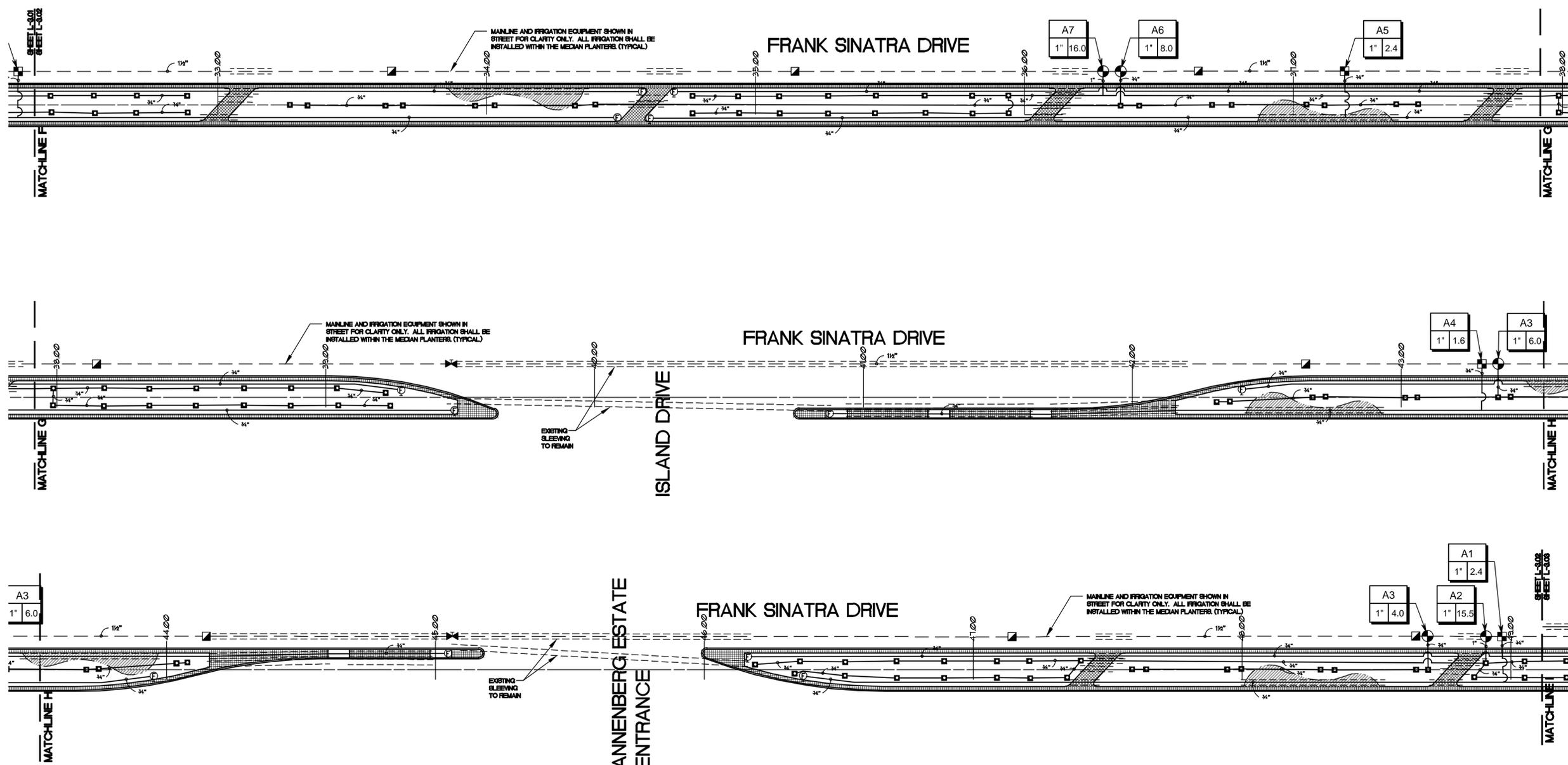
SHEET BOOK

JOB CAPTAIN: LT
 DRAWN: LT
 CHECKED:
 PROJ. NO: R1133
 DATE: 1/30/14
 SCALE: 1" = 20'-0"

REVISIONS:

SHEET NO:
L-3.01

CITY PROJECT NO. CP 12-278
 L39736

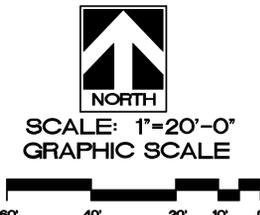
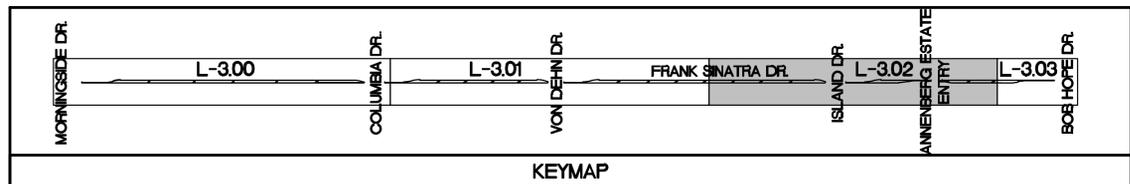


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NOTE:
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Date: 12/19/2011
 WATER MANAGEMENT SUPERVISOR
 DEVELOPMENT SERVICES SUPERVISOR

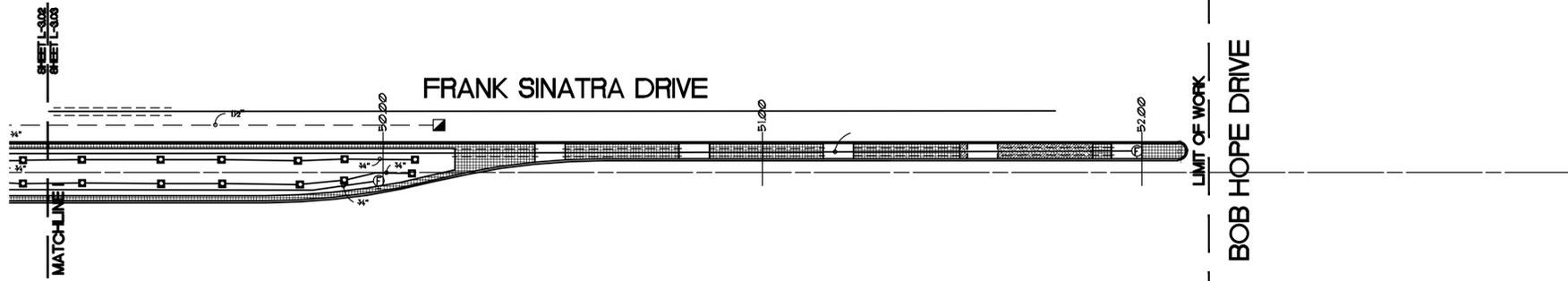
SHEET TITLE:
IRRIGATION PLAN

PROJECT:
**RANCHO MIRAGE MEDIAN
 FRANK SINATRA DRIVE
 RANCHO MIRAGE, CA**

SPECIFICATIONS	
SHEET <input type="checkbox"/>	BOOK <input type="checkbox"/>
JOB CAPTAIN:	LT
DRAWN:	LT
CHECKED:	
PROJ. NO:	R1133
DATE:	1/30/14
SCALE:	1" = 20'-0"
REVISIONS:	

SHEET NO:
L-3.02

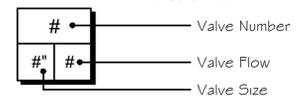
CITY PROJECT NO. CP 12-278
 L39737



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	FSI	GPM	RADIUS	DETAIL	REMARKS
1402	Rain Bird 1402 Flood Bubbler Flood Bubbler on SCH 80 fixed riser.	30	.5	0	N	
For Clarity	Rain Bird Xen-Bug Threaded Emitters Use XB-1OPC-1032 threaded Emitters on plants that are Low water use. Use XB-2OPC-1032 threaded Emitters on plants that are Moderate to High water use. See planting legend for Plant Water use requirements.	30	1-2 GPH	0	J	
	Rain Bird XCZ-LF-100-PRF Drip Control Kit, 1" Low Flow valve, 3/4" pressure regulating RBY filter and 30psi pressure regulator.				K	
	Toro FCH-H-FIPT Automatic Flush Valve, plumbed to flush lines at the end if drip pipe runs.				L	
	Rain Bird 33DRC 3/4" Brass Quick Coupler Valve, two piece body				E	
	Nibco T-FP-600 Class 125 bronze full ported ball valve, same size as pipe diameter.				D	
	Gswold 2000 I Normally closed solenoid master valve. Install in parkway, after the backflow preventor.				F	
	Rain Bird FS100B 1" brass flow sensor. Install in parkway, after the master valve.					
A	Rain Bird ESP-LXD, ETM-LXM ET Manager, RSD Rain Sensor. Two Wire Controller, 50 stations, with ET Manager Cartridge and RSD Rain Sensor. Mount Controller in Strongbox Stainless Steel 5B-2455 Enclosure with CSA-FAN, Z-2 Trap Surge Arrestor, Ground Rod, On/Off switch, and Fluorescent light options. Mount RD5 Rain sensor on outside of enclosure in area where sensor is clear of obstruction above it. Use FD TURF Series Two-Wire Decoders at each valve grouping. (Model # to be determined by the number of valves in the group). Use LSP-1 Line Surge Protection every 500 lineal feet. Use Rain Bird 14-2 Maxi-Cable with waterproof SnapTite or Scotch-Loc wire connectors. Contractor contact High Tech Irrigation for two wire installation training prior to installing irrigation system. (760) 773-9224.				B	
M	Existing 1" Water Meter and 1" Backflow Preventor to remain. Verify size and location in field. Protect in place. #35688530				A	

— Irrigation Lateral Line: PVC Schedule 40 (SEE PLAN FOR PIPE SIZING)
 - - - - - Irrigation Mainline: Pipe up to 1-1/2" to be PVC SCH 40,
 Pipe 2" and larger to be PVC Class 315.
 - - - - - Pipe Sleeve: PVC Schedule 40
 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall be 2x
 Dia. of irrigation pipe to allow for irrigation piping and their related
 couplings to easily slide through sleeving material. Extend sleeves 18
 inches beyond edges of paving or construction.



Water Use Calculations
 Frank Sinatra Median Islands

Site Information

Zone No	3
Total Tree and Shrub Square footage	46977
Total Lawn Square footage	0
Total Annual Color Square footage	0
Total Water feature Square footage	0
Recreational Turf Square footage	0

Number of plants by water use

Very Low	0	0.000	0.00
Low	201	0.238	11214.22
Mod	641	0.781	35762.78
High	0	0.000	0.00
Total	842	1.00	

Maximum Applied Water Allowance

Zone No.	Eto	Water Adj. Factor	Total Sq. Ft.	Conversion Factors	MAWA	
Conventional Landscape	3	75.00	0.62	46977	748	1460.18
Recreational Turf	3	75.00	0.82	0	748	0.00
TOTAL MAWA					1460.18	

Estimated Water Use

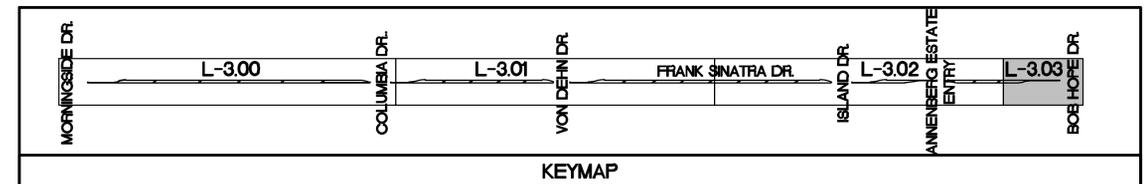
Plant/Irrigation System Type:	Zone	Irr. Eff.	Area	Seasonal Plant Factor:			
Drip / Bubbler / Micro Spray	3	0.9	11214.22	2	Low		
Season	Zonal Bo Value	Plant Factor	Area sq. ft.	Conversion Factors	Irr. Eff.	Estimated Water Use	
Spring	16.50	0.20	11214.22	0.62	748	0.9	34.08
Summer	45.75	0.20	11214.22	0.62	748	0.9	94.50
Fall-Winter	12.75	0.20	11214.22	0.62	748	0.9	26.34
TOTAL							154.92

Plant/Irrigation System Type:	Zone	Irr. Eff.	Area	Seasonal Plant Factor:			
Drip / Bubbler / Micro Spray	3	0.9	35762.78	3	Mod		
Season	Zonal Bo Value	Plant Factor	Area sq. ft.	Conversion Factors	Irr. Eff.	Estimated Water Use	
Spring	16.50	0.60	35762.78	0.62	748	0.9	271.73
Summer	45.75	0.60	35762.78	0.62	748	0.9	753.42
Fall-Winter	12.75	0.60	35762.78	0.62	748	0.9	209.97
TOTAL							1235.12

Estimated Total Water Use 1390.04

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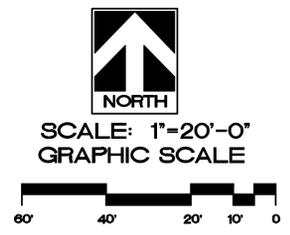
Water Efficient Landscape Worksheet
 Frank Sinatra Median Islands

APPLICANT INFORMATION

Name of Project Applicant:	Telephone No:	760-568-3624
Luke Taylor	Fax No:	760-773-5615
Title: Designer	Email Address:	Luke@rga-pd.com
Company: RGA Landscape Architects	Street Address:	74020 Alessandro Dr., Ste. E
City: Palm Desert	State:	CA
	Zip Code:	92260

SECTION A. HYDROZONE INFORMATION TABLE

Controller No.	Valve Circuit No.	Plant Type(s)	Irrigation Method	Area (Sq. Ft.)	% of Landscape Area	
A	1	LW / MW	D	2747	5.85%	
A	2	MW	B	1650	3.30%	
A	3	MW	B	400	0.85%	
A	4	MW	B	800	1.28%	
A	5	LW / MW	D	1741	3.71%	
A	6	LW / MW	D	3670	7.81%	
A	7	MW	B	800	1.70%	
A	8	MW	B	1600	3.41%	
A	9	LW / MW	D	4198	8.94%	
A	10	MW	B	800	1.70%	
A	11	MW	B	1600	3.41%	
A	12	LW / MW	D	2562	5.43%	
A	13	LW / MW	D	3391	7.22%	
A	14	MW	B	1600	3.41%	
A	15	MW	B	1200	2.55%	
A	16	LW / MW	D	2293	4.88%	
A	17	MW	B	1350	2.87%	
A	18	LW / MW	D	3502	7.45%	
A	19	MW	B	800	1.28%	
A	20	MW	B	1400	2.98%	
A	21	LW / MW	D	3367	7.17%	
A	22	MW	B	1200	2.55%	
A	23	MW	B	1400	2.98%	
A	24	LW / MW	D	3416	7.27%	
				Total:	46977	100.00%



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 WHENEVER ROOTS OF EXISTING TREES ARE ENCOUNTERED DURING TRENCHING OPERATIONS, THE CONTRACTOR SHALL REROUTE MAIN LINE TRENCHES. DO NOT CUT ROOTS OVER 1" IN DIAMETER. ALL CUTS SHALL BE A CLEAN SHARP CUT. IF TRENCHING IS REQUIRED, THE CONTRACTOR SHALL HAND DIG THE TRENCHES TAKING CARE NOT TO DAMAGE ROOTS. NO MECHANICAL TRENCHING WITHIN THE DAPLINE OF THE EXISTING TREE WILL BE ALLOWED. PROTECT ALL ROOTS EXPOSED TO SUNLIGHT WITH MOIST BURLAP UNTIL COVERED WITH SOIL.

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 TREES, PLANT, WALLS, SIDEWALKS AND PERMANENT STRUCTURES OF ANY KIND SHALL NOT BE PLANTED, INSTALLED OR BUILT IN CVWD AND USBR EASEMENT OR RIGHT-OF-WAY WITHOUT FIRST OBTAINING AN ENCROACHMENT FROM CVWD.

CVWD LANDSCAPE APPROVAL

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Date: 12/19/2011
 WATER MANAGEMENT SUPERVISOR
 DEVELOPMENT SERVICES SUPERVISOR

IRRIGATION PLAN
RANCHO MIRAGE MEDIAN
FRANK SINATRA DRIVE
RANCHO MIRAGE, CA

SHEET TITLE:
 PROJECT:

SPECIFICATIONS

SHEET □ BOOK ■

JOB CAPTAIN: LT

DRAWN: LT

CHECKED:

PROJ. NO: R1133

DATE: 1/30/14

SCALE: 1" = 20'-0"

REVISIONS:

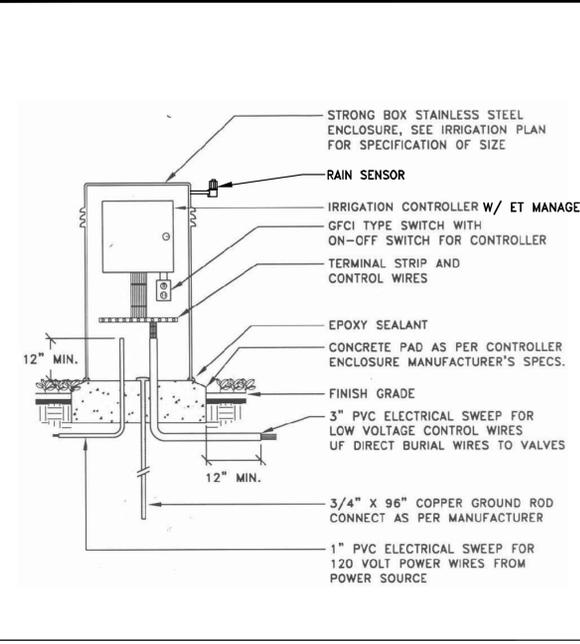
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L-3.03

CITY PROJECT NO. CP 12-278
 L39738

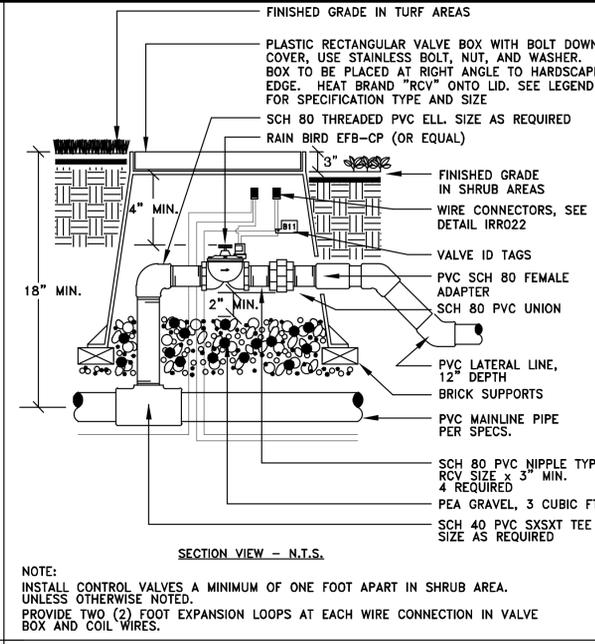
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PROJECT:

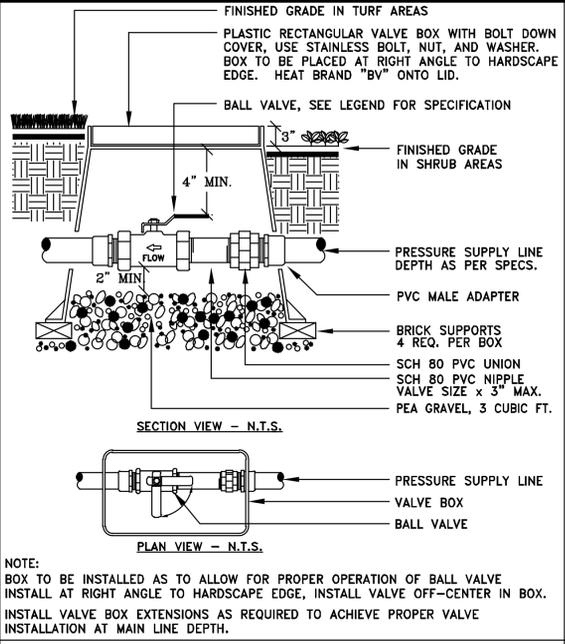
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JOB CAPTAIN:	LT
DRAWN:	LT
CHECKED:	
PROJ. NO:	R1133
DATE:	1/30/14
SCALE:	1" = 20'-0"
REVISIONS:	
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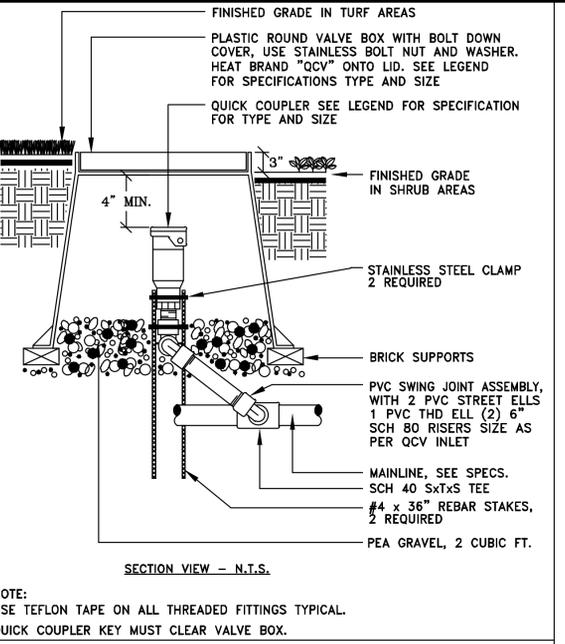
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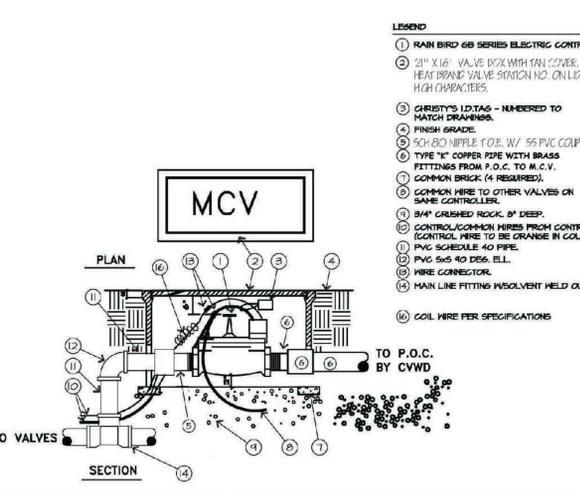
C AUTOMATIC VALVE



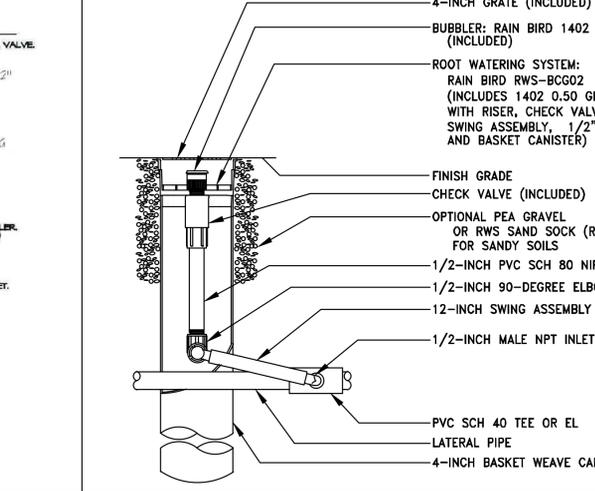
D BALL VALVE



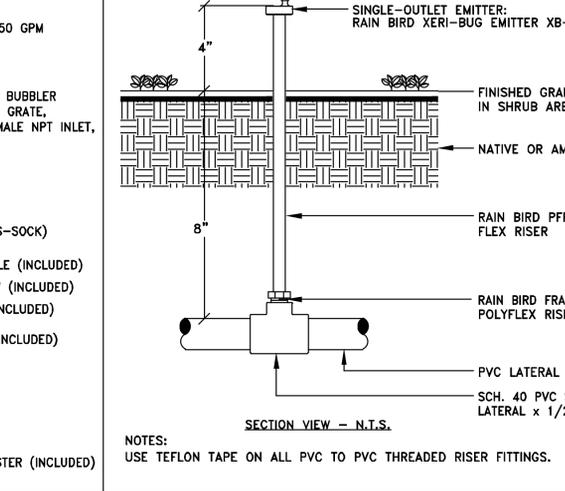
E QUICK COUPLER VALVE



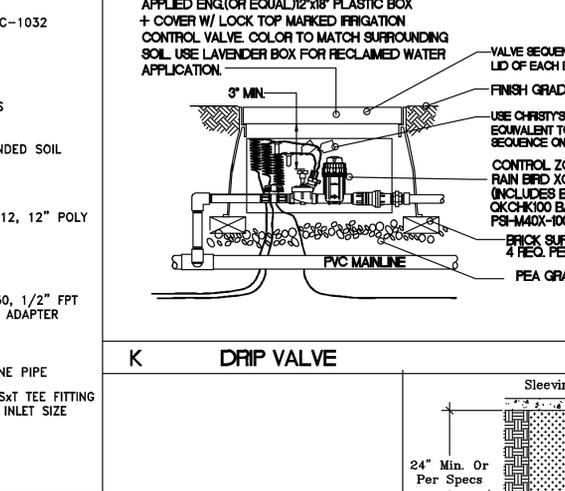
F MASTER VALVE HOOKUP



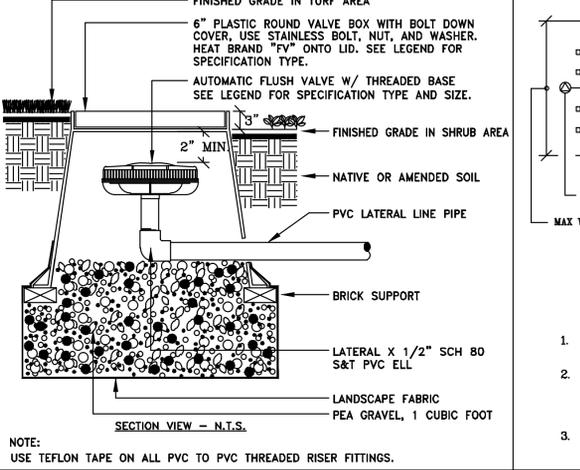
I DEEP WATERING TUBES (PALMS)



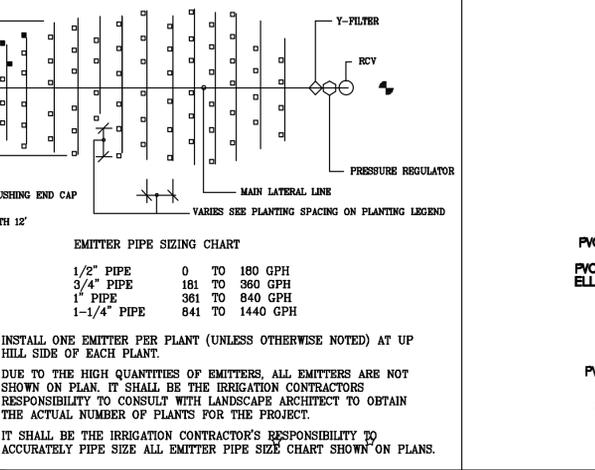
J DRIP EMITTER



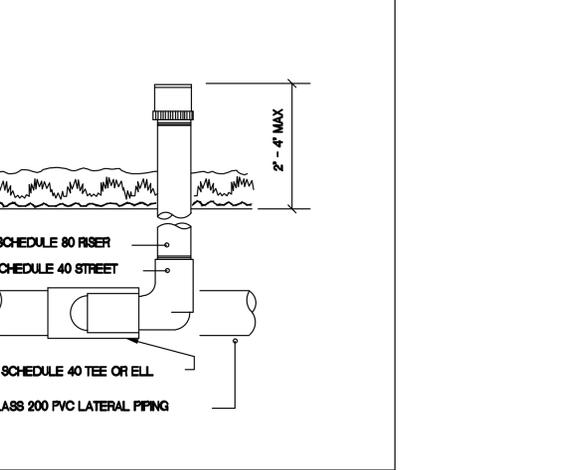
K DRIP VALVE



L AUTOMATIC FLUSH VALVE



M TYPICAL EMITTER LAYOUT DETAIL



N BUBBLER DETAIL

GENERAL INSTALLATION NOTES

- IRRIGATION PLAN IS DIAGNOSTIC. FINAL LOCATION OF PIPING WILL BE DETERMINED AT TIME OF INSTALLATION. MAINLINE AND LATERALS SHALL BE PLACED IN SAME TRENCH WHEN POSSIBLE. EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN UNPAVED AREAS.
- INSTALL ALL EQUIPMENT AS SHOWN IN DETAILS. ALL EQUIPMENT REQUIRED BUT NOT SPECIFIED ON THE DRAWING SHALL BE PROVIDED BY THE IRRIGATION CONTRACTOR.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS.
- BACKFLOW PREVENTION (UNITS) SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES.
- IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER WORKMANSHIP DURING INSTALLATION.
- ALL MAINLINE PIPING SHALL HAVE A MINIMUM OF 18" COVER (24" UNDER ROADS AND STREETS) AND 24" IF RUBBER PIPING SEALED PIPED. ALL LATERAL PIPING SHALL BE TRENCHED A MINIMUM OF 12" DEEP. ALL CONTROL WIRE GOING UNDER DRIVEWAYS AND STREETS SHALL BE SLEAVED IN A PVC PIPE LATERAL PIPING GOING UNDER DRIVEWAYS AND STREETS SHALL BE SCHEDULE 40 PVC.
- ALL VALVE CONTROL WIRE SHALL BE INSTALLED IN SAME TRENCH WITH MAINLINE WHENEVER POSSIBLE AND SHALL BE SOLID COPPER AWG #14 TYPE UF. DIRECT BURIAL WIRE USING SNAPTITE OR SCOTCH-LOC WIRE CONNECTORS.
- ALL TRENCH BACKFILL SOIL SHALL BE CLEAN FREE OF ROCKS, TRUNK CLUMP SOLVENT AND CEMENT CONTAINERS AND RIGOR CONTRACTOR SHALL COMPACT ALL TRENCHES TO A DENSITY EQUAL TO THE UNDISTURBED SOIL AND SHALL BE RESPONSIBLE FOR BRINGING ANY SETTLED TRENCHES BACK TO FINISH GRADE.
- CONTRACTOR SHALL FLUSH ALL PIPE LINES PRIOR TO INSTALLING IRRIGATION HEADS.
- CONTRACTOR SHALL INSTALL VALVE BOXES AT GRADE OVER ALL ELECTRIC VALVES AND INSTALL ANTI-DRAIN VALVES AS NECESSARY TO PREVENT LOW HEAD DRAINAGE SPROUN OR DAMAGE.
- CONTRACTOR SHALL ADJUST ALL IRRIGATION AND VALVES FOR PROPER OPERATION AND COVERAGE. ALL IRRIGATION SHALL BE ADJUSTED SO THAT NO WATER RUNOFF FLOWS ONTO THE STREET OR STRUCTURES.
- 120 VOLT POWER FOR CONTROLLERS IS TO BE PROVIDED BY OTHERS ON A SEPARATE CIRCUIT BREAKER. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CONNECTIONS TO CONTROLLER. CONTRACTOR FINAL LOCATION SHALL BE DETERMINED BY OWNERS AUTHORIZED REPRESENTATIVE.
- RGA LANDSCAPE ARCHITECTS, INC. SHALL APPROVE ALL INFIELD DESIGN CHANGES TO SITE PLAN AND LANDSCAPE PLAN CHANGES TO GUARANTEE 100% IRRIGATION COVERAGE OR THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY.
- RGA LANDSCAPE ARCHITECTS, INC. SHALL NOT BE RESPONSIBLE FOR IMPROPER OPERATION OF SYSTEM DUE TO CONTRACTOR NOT FOLLOWING PLAN PIPE SIZES OR INADEQUATE BRATIO PRESSURE OR INFIELD DESIGN CHANGES WITHOUT APPROVAL.
- RGA LANDSCAPE ARCHITECTS, INC. IS NOT RESPONSIBLE FOR ERRORS IN INSTALLATION IF THEY HAVE NOT BEEN RETAINED FOR INSTALLATION OBSERVATION.
- LANDSCAPE CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR DETAILS, STANDARDS OF MATERIALS AND WORKMANSHIP.
- LANDSCAPE CONTRACTOR SHALL TEST MAINLINE BEFORE BACKFILLING BY FILLING WITH WATER TO A PRESSURE OF 100PSI FOR THREE HOURS. CONTRACTOR SHALL CONTACT THE CITY FOR INSPECTION OF PRESSURE TEST.

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TREE NOTE:
 ALL TREES TO BE SINGLE LEADER, LOW BRANCHING WITH SIDE BRANCHING TO REMAIN. PER ARIZONA NURSERY STANDARDS.

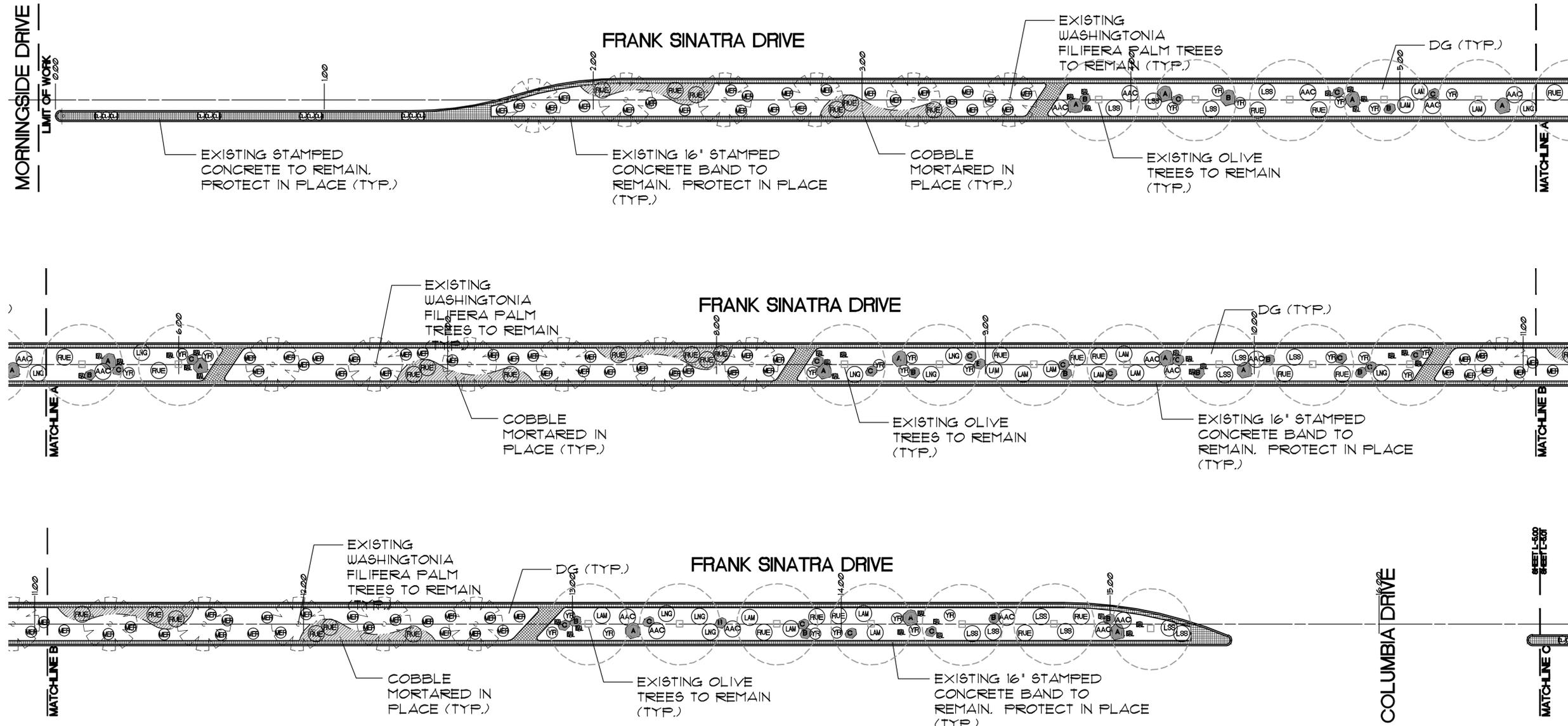
CVWD LANDSCAPE APPROVAL

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Date: 12/19/2014
 CVWD Plan # _____

Water Management Supervisor
 Development Services Supervisor

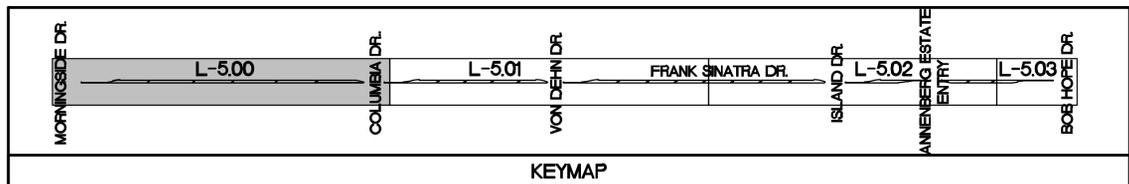
PLANTING PLAN
RANCHO MIRAGE MEDIUM
 FRANK SINATRA DRIVE
 RANCHO MIRAGE, CA



PLANT LEGEND							
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	QTY	WATER USE	SIZE	REMARKS
TREES							
OE		OLEA EUROPAEA	EUROPEAN OLIVE	08	MOD .5	EXISTING TO REMAIN	
PALMS							
WF		WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM	36	MOD .5	EXISTING TO REMAIN	
WF		WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM	36	MOD .5	10' BTH	SKINNED TO 6" HT.
CACTI / SHRUBS							
AAC		AGAVE AMERICANA	CENTURY PLANT	43	LOW 2	5 GAL	
BAL		BALAYIA MULTIRADIATA	DESERT MARI GOLD	82	LOW 2	5 GAL	
CLJ		CALLISTEMON LITTLE JOHN	DWARF BOTTLEBRUSH	80	MOD .5	5 GAL	
FUE		FUSSERIA ECURETIIFORMIS	CORAL FOUNTAIN	87	MOD .5	5 GAL	
YR		YUCCA ROSTRATA	YUCCA	85	LOW 2	10 GAL	
MER		MUHLENBERGIA CAPILLARIS REGAL MIST	REGAL MIST TM.	285	MOD .5	5 GAL	
GROUND COVER							
LAM		LANTANA MONTEVIDENSIS	PURPLE PROSPER LANTANA	82	MOD .5	5 GAL	
LNG		LANTANA NEW GOLD	SPREADING YELLOW LANTANA	27	MOD .5	5 GAL	
LSS		LANTANA M. 'SPREADING SUNSHINE'	YELLOW PROSTRATE LANTANA	28	MOD .5	5 GAL	
COBBLE							
COB		DOR FROG COBBLE - 2" - 6" DIA. - COVER COMPLETELY - SET IN MORTAR - ALLOW FOR PLANT GROWTH. 8650 SF.					
DG		DESERT GOLD DECOMPOSED GRANITE FINES STABILIZED - 2" DEPTH IN ALL PLANTER AREAS UNLESS OTHERWISE NOTED - COVER AREA COMPLETELY.					
BLDR		DESERT GOLD BOULDERS 181 SEE BOULDER LEGEND					
		BURY BOULDERS 2/3 BELOW GRADE. BOULDERS NOT TO EXCEED 12" MAXIMUM ABOVE GRADE.					

BOULDER LEGEND		
SYMBOL	SIZE	COMMENTS
A	W X L X H 48" X 40" X 40"	35
B	36" X 30" X 30"	43
C	30" X 24" X 24"	53

NOTE: CONTRACTOR TO BURY BOULDERS 2/3 INTO THE GROUND. BOULDERS NOT TO EXCEED 12" MAXIMUM ABOVE GRADE.



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



NOTE: CITY SHALL REVIEW AND APPROVE THE BOULDER, COBBLE AND DECOMPOSED GRANITE SELECTION PRIOR TO INSTALLATION. THE CITY HOLDS THE RIGHT TO CHANGE THE BOULDER, COBBLE AND DECOMPOSED GRANITE SPECIFICATIONS PRIOR TO INSTALLATION.

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TREE NOTE:
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CVWD LANDSCAPE APPROVAL

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12/19/2011
 Date

Water Management Supervisor
 Development Services Supervisor

CVWD Plan #

SHEET TITLE:

SPECIFICATIONS

SHEET □ BOOK ■

JOB CAPTAIN: LT

DRAWN: LT

CHECKED:

PROJ. NO: R1133

DATE: 1/30/14

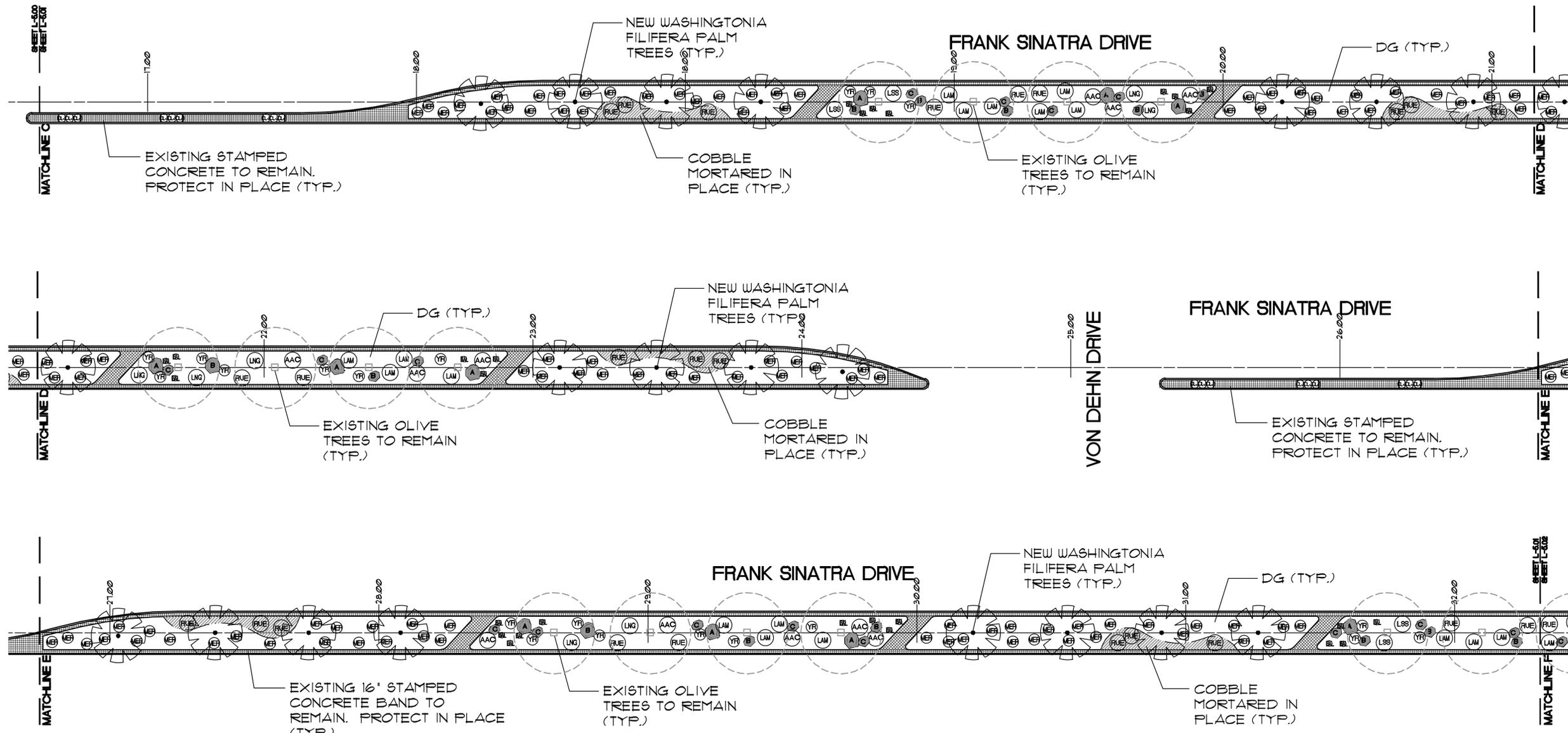
SCALE: 1" = 20'-0"

REVISIONS:

SHEET NO:

L-5.00

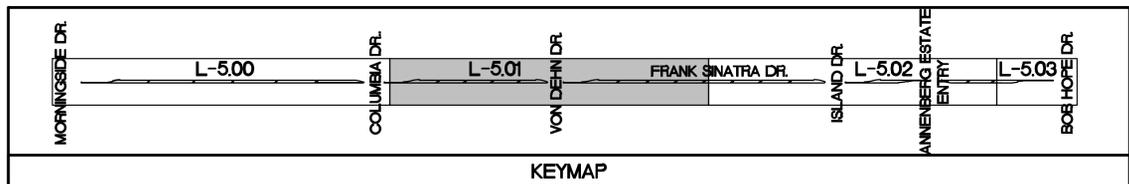
PLANTING PLAN
RANCHO MIRAGE MEDIUM
 FRANK SINATRA DRIVE
 RANCHO MIRAGE, CA



PLANT LEGEND							
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	QTY	WATER USE	SIZE	REMARKS
TREES							
OE		OLEA EUROPAEA	EUROPEAN OLIVE	66	MOD .5	EXISTING TO REMAIN	
PALMS							
WF		WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM	36	MOD .5	EXISTING TO REMAIN	
WF		WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM	36	MOD .5	17' BTH	SKINNED TO 6' HT.
CACTI / SHRUBS							
AAC		AGAVE AMERICANA	CENTURY PLANT	48	LOW 2	5 GAL.	
BL		BALLETIA MULTIRADIATA	DESERT MARIGOLD	96	LOW 2	5 GAL.	
CLJ		CALLISTEMON 'LITTLE JOHN'	DWARF BOTTLEBRUSH	60	MOD .5	5 GAL.	
RUE		RUSSELLIA EQUISSETIFORMIS	CORAL FOUNTAIN	87	MOD .5	5 GAL.	
YR		YUCCA ROSTRATA	YUCCA	85	LOW 2	15 GAL.	
MER		MUHLENBERGIA CAPILLARIS 'REGAL MIST'	REGAL MIST™	285	MOD .5	5 GAL.	
GROUNDCOVERS							
LAM		LANTANA MONTEVIDENSIS	PURPLE PROstrate LANTANA	82	MOD .5	5 GAL.	
LNG		LANTANA NEW GOLD	SPREADING YELLOW LANTANA	27	MOD .5	5 GAL.	
LSS		LANTANA M. 'SPREADING SUNSHINE'	YELLOW PROstrate LANTANA	28	MOD .5	5 GAL.	
COBBLE 1008 PRO COBBLE - 8" - 6" DIA. - COVER COMPLETELY - SET IN MORTAR - ALLOW FOR PLANT GROWTH. 8600 SF.							
DG DESERT GOLD DECOMPOSED GRANITE FINES STABILIZED - 2" DEPTH IN ALL PLANTER AREAS UNLESS OTHERWISE NOTED - COVER AREA COMPLETELY							
BLDRS DESERT GOLD BOULDERS 151 (SEE BOULDER LEGEND)							
BLDRS BURY BOULDERS 2/3 BELOW GRADE. BOULDERS NOT TO EXCEED 12" MAXIMUM ABOVE GRADE.							

BOULDER LEGEND		
SYMBOL	SIZE	COMMENTS
A	48" X 40" X 40"	35
B	36" X 30" X 30"	43
C	30" X 24" X 24"	50

NOTE: CONTRACTOR TO BURY BOULDERS 2/3 INTO THE GROUND. BOULDERS NOT TO EXCEED 12" MAXIMUM ABOVE GRADE.



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TREE NOTE:
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NOTE:
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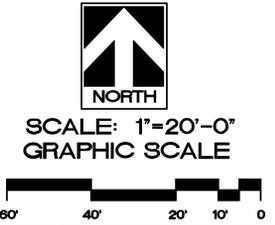
CVWD LANDSCAPE APPROVAL

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12/19/2011
 Date
 CVWD Plan #

Jim West
 WATER MANAGEMENT SUPERVISOR

Tammy Swales
 DEVELOPMENT SERVICES SUPERVISOR



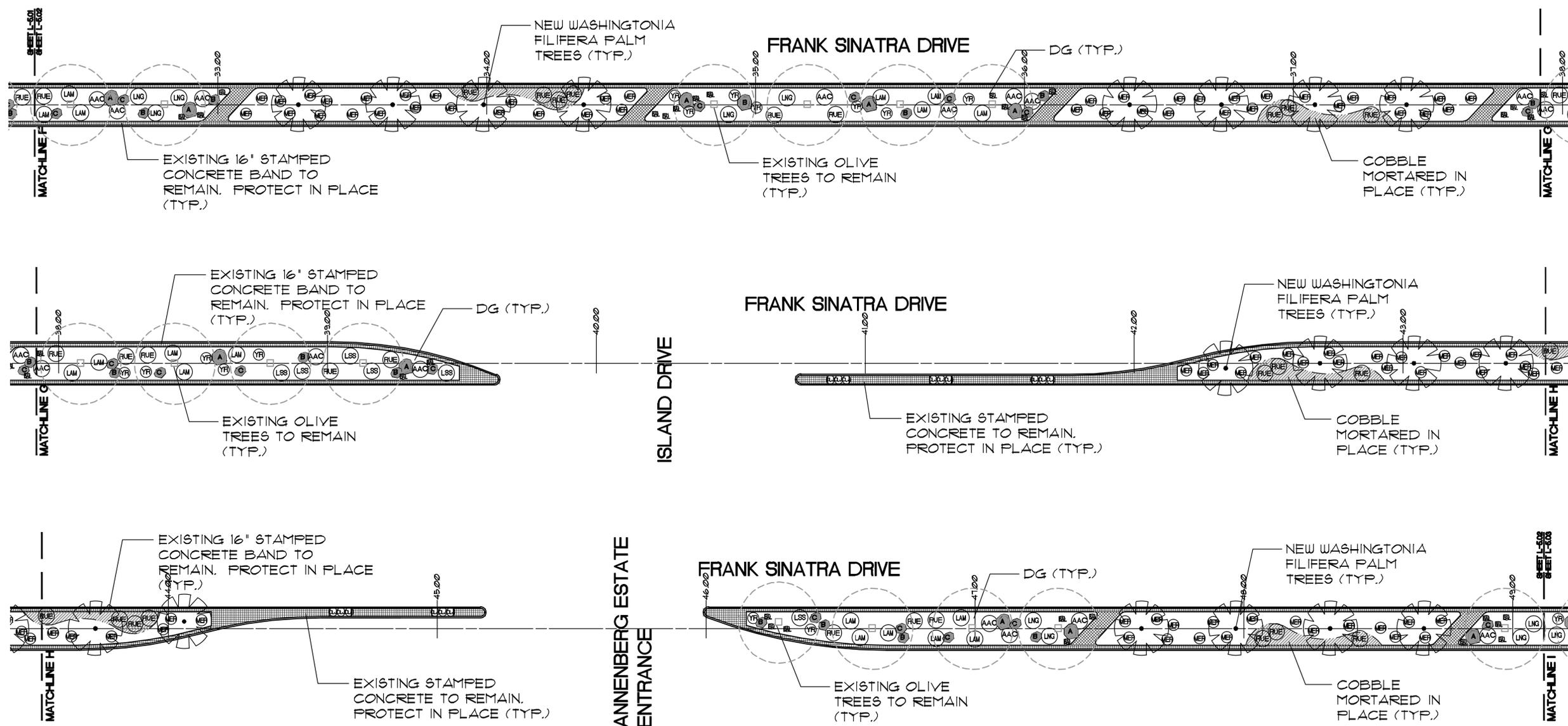
SHEET TITLE:

SPECIFICATIONS
 SHEET □ BOOK ■

JOB CAPTAIN: LT
 DRAWN: LT
 CHECKED:
 PROJ. NO: R1133
 DATE: 1/30/14
 SCALE: 1" = 20'-0"
 REVISIONS:

SHEET NO:
L-5.01
 CITY PROJECT NO. CP 12-278
 L39741

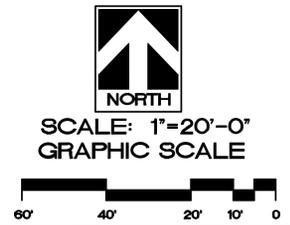
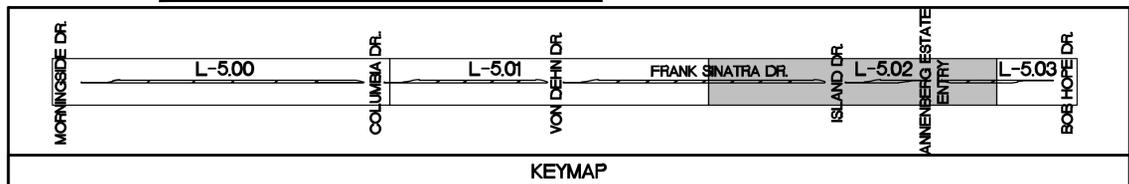
PLANTING PLAN
RANCHO MIRAGE MEDIUM
 FRANK SINATRA DRIVE
 RANCHO MIRAGE, CA



PLANT LEGEND							
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	QTY	WATER USE	SIZE	REMARKS
TREES							
OE		OLEA EUROPAEA	EUROPEAN OLIVE	63	MCD .5	EXISTING TO REMAIN	
PALMS							
WF		WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM	36	MCD .5	EXISTING TO REMAIN	
WF		WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM	98	MCD .5	10' BTH	SKINNED TO 6' HT.
CACTI / SHRUBS							
AAC		AGAVE AMERICANA	CENTURY PLANT	45	LOW .2	5 GAL	
BAL		BAILEYA MULTIRADIATA	DESERT MARIGOLD	50	LOW .2	5 GAL	
CLJ		CALLISTEMON 'LITTLE JOHN'	DWARF BOTTLEBRUSH	60	MCD .5	5 GAL	
FUE		FUSSELIA EQUISETIFORMIS	CORAL FOUNTAIN	87	MCD .5	5 GAL	
YR		YUCCA ROSTRATA	YUCCA	85	LOW .2	15 GAL	
MER		MUHLENBERGIA CAPILLARIS 'REGAL MIST'	'REGAL MIST' TM	265	MCD .5	5 GAL	
GROUND COVER							
LAM		LANTANA MONTENSIS	PURPLE PROSP LANTANA	52	MCD .5	5 GAL	
LNG		LANTANA NEW GOLD	SPREADING YELLOW LANTANA	27	MCD .5	5 GAL	
LSS		LANTANA M. SPREADING SUNSHINE	YELLOW PROSTRATE LANTANA	23	MCD .5	5 GAL	
COBBLE							
DG		DESERT GOLD DECOMPOSED GRANITE FINES STABILIZED - 2" DEPTH IN ALL PLANTER AREAS UNLESS OTHERWISE NOTED - COVER AREA COMPLETELY					
BLDR		DESERT GOLD BOULDERS					
		BURY BOULDERS 2/3 BELOW GRADE. BOULDERS NOT TO EXCEED 15" MAXIMUM ABOVE GRADE (SEE BOULDER LEGEND)					

BOULDER LEGEND		
SYMBOL	SIZE	COMMENTS
A	48" X 40" X 40"	35
B	36" X 30" X 30"	43
C	30" X 24" X 24"	53

NOTE: CONTRACTOR TO BURY BOULDERS 2/3 INTO THE GROUND. BOULDERS NOT TO EXCEED 15" MAXIMUM ABOVE GRADE.



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TREE NOTE:
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CVWD LANDSCAPE APPROVAL

Date: 12/19/2011
 WATER MANAGEMENT SUPERVISOR
 DEVELOPMENT SERVICES SUPERVISOR

SHEET TITLE:

PROJECT:

SPECIFICATIONS

SHEET BOOK

JOB CAPTAIN: LT

DRAWN: LT

CHECKED:

PROJ. NO: R1133

DATE: 1/30/14

SCALE: 1" = 20'-0"

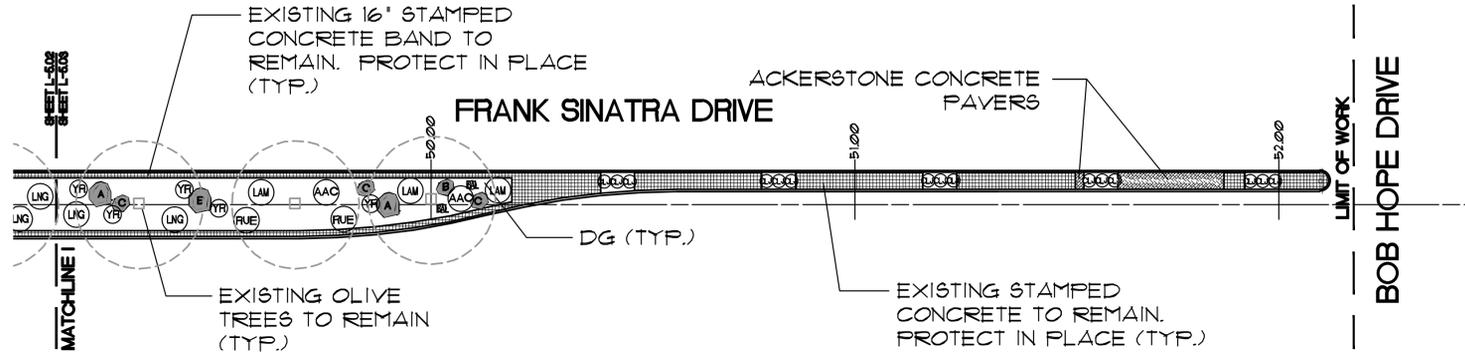
REVISIONS:

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SHEET NO:

L-5.02

CITY PROJECT NO. CP 12-278

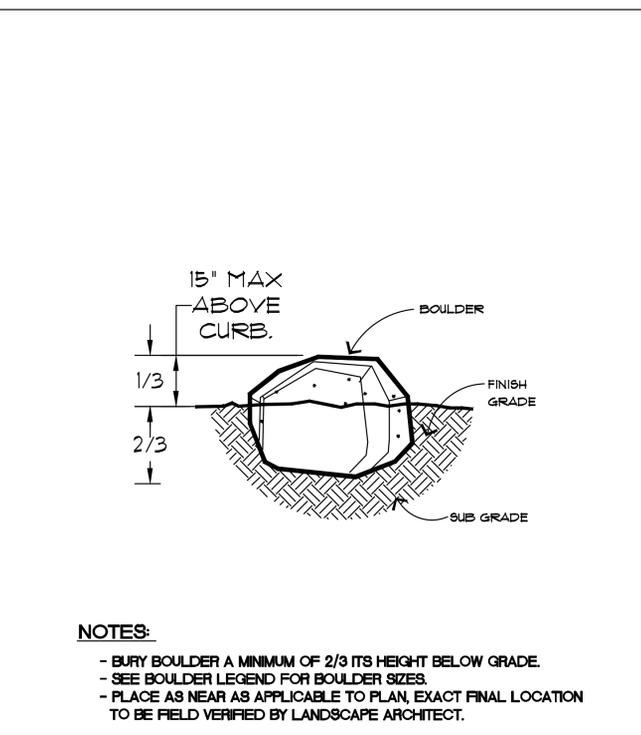
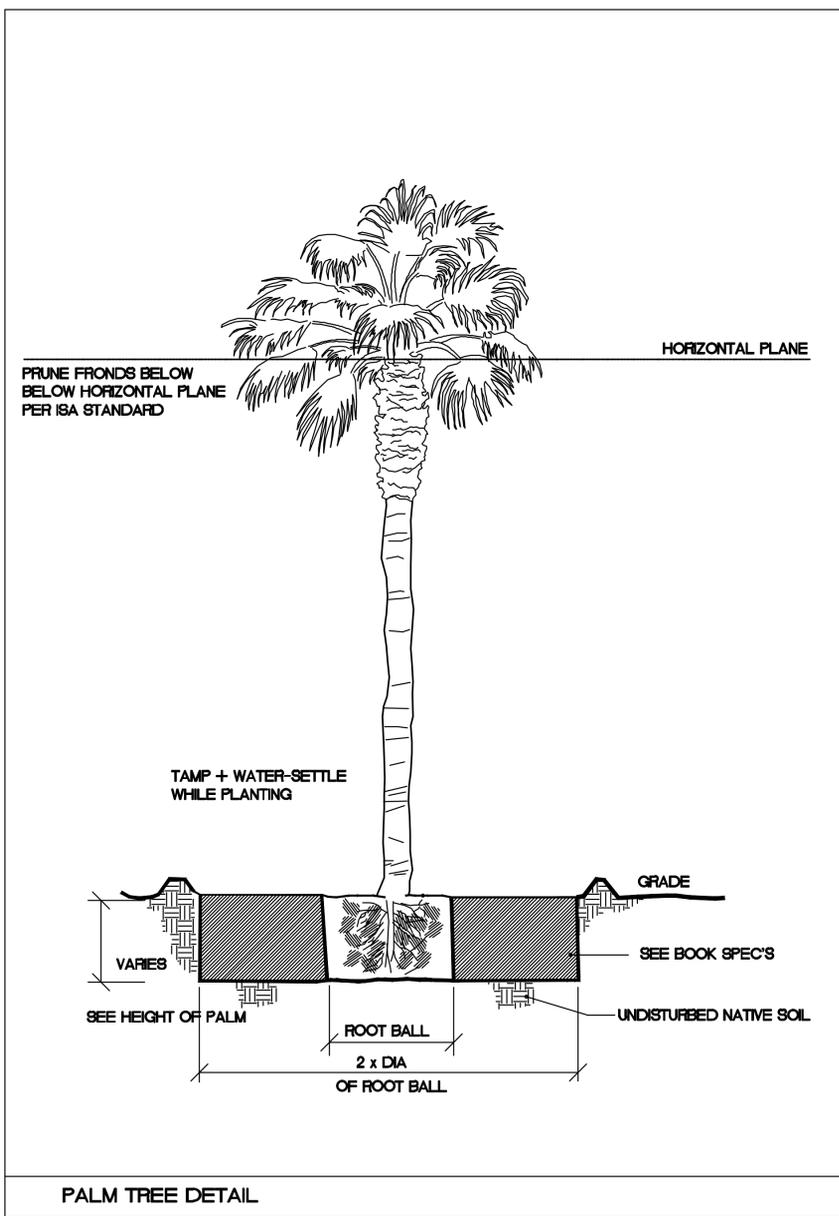
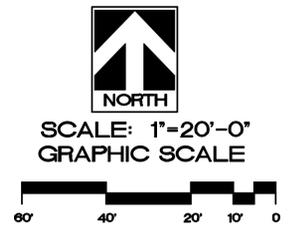


PLANT LEGEND							
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	QTY	WATER USE	SIZE	REMARKS
TREES							
OE		Olea europaea	EUROPEAN OLIVE	60	MOD .5	EXISTING TO REMAIN	
PALMS							
WF		Washingtonia filifera	CALIFORNIA FAN PALM	36	MOD .5	EXISTING TO REMAIN	
WF		Washingtonia filifera	CALIFORNIA FAN PALM	36	MOD .5	17' BTH	SKINNED TO 8' HT.
CACTI / SHRUBS							
AAC		Agave americana	CENTURY PLANT	43	LOW .2	6 GAL.	
BAL		Baleya multiradiata	DESERT MARIGOLD	89	LOW .2	6 GAL.	
CLJ		Callistemon littlejohnii	DWARF BOTTLEBRUSH	80	MOD .5	6 GAL.	
FUE		Fuselia equisetiformis	CORAL FOUNTAIN	87	MOD .5	6 GAL.	
YR		Yucca rostrata	YUCCA	65	LOW .2	6 GAL.	
MER		Muhlenbergia capillaris 'Regal Mist'	REGAL MIST TM.	265	MOD .5	6 GAL.	
GROUND COVER							
LAM		Lantana montevidensis	PURPLE PROSPERITY LANTANA	62	MOD .5	6 GAL.	
LNG		Lantana new gold	SPREADING YELLOW LANTANA	27	MOD .5	6 GAL.	
LSS		Lantana m. 'Spreading Sunshine'	YELLOW PROSPERITY LANTANA	25	MOD .5	6 GAL.	
COBBLE DOB PROS COBBLE - 3" - 6" DIA. - COVER COMPLETELY - SET IN MORTAR - ALLOW FOR PLANT GROWTH. 6600 SF.							
DG DESERT GOLD DECOMPOSED GRANITE FINES STABILIZED - 2" DEPTH IN ALL PLANTER AREAS UNLESS OTHERWISE NOTED - COVER AREA COMPLETELY.							
BLDRS DESERT GOLD BOULDERS 15'							
BURY BOULDERS 2/3 BELOW GRADE. BOULDERS NOT TO EXCEED 15' MAXIMUM ABOVE GRADE. SEE BOULDER LEGEND.							

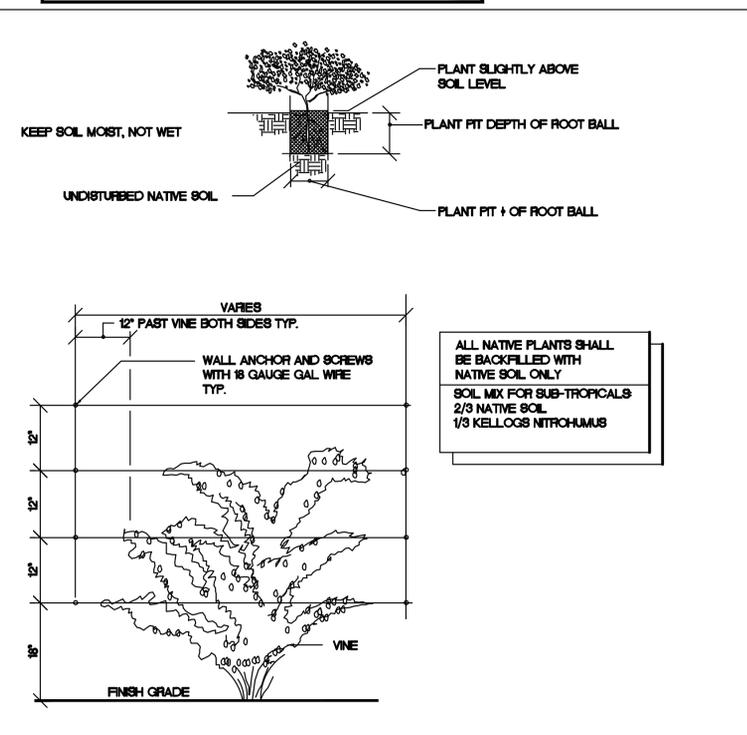
NOTE: CITY SHALL REVIEW AND APPROVE THE BOULDER, COBBLE AND DECOMPOSED GRANITE SELECTION PRIOR TO INSTALLATION. THE CITY HOLDS THE RIGHT TO CHANGE THE BOULDER, COBBLE AND DECOMPOSED GRANITE SPECIFICATIONS PRIOR TO INSTALLATION.

BOULDER LEGEND		
SYMBOL	SIZE	COMMENTS
A	W X L X H 48" X 40" X 40"	35
B	36" X 30" X 30"	43
C	30" X 24" X 24"	60

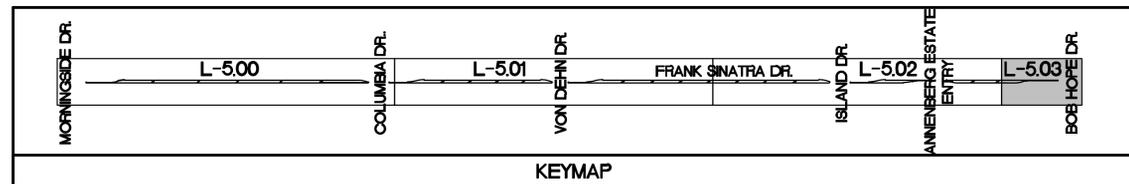
NOTE: CONTRACTOR TO BURY BOULDERS 2/3 INTO THE GROUND. BOULDERS NOT TO EXCEED 15' MAXIMUM ABOVE GRADE.



NOTES:
 - BURY BOULDER A MINIMUM OF 2/3 ITS HEIGHT BELOW GRADE.
 - SEE BOULDER LEGEND FOR BOULDER SIZES.
 - PLACE AS NEAR AS APPLICABLE TO PLAN, EXACT FINAL LOCATION TO BE FIELD VERIFIED BY LANDSCAPE ARCHITECT.



ALL NATIVE PLANTS SHALL BE BACKFILLED WITH NATIVE SOIL ONLY.
 SOIL MIX FOR SUB-TROPICALS
 2/3 NATIVE SOIL
 1/3 KELLOGG NITROHUMUS



TREE NOTE:
 ALL TREES TO BE SINGLE LEADER, LOW BRANCHING WITH SIDE BRANCHING TO REMAIN. PER ARIZONA NURSERY STANDARDS.

NOTE:
 TREES, PLANT, WALLS, SIDEWALKS AND PERMANENT STRUCTURES OF ANY KIND SHALL NOT BE PLANTED, INSTALLED OR BUILT IN CVWD AND USBR EASEMENT OR RIGHT-OF-WAY WITHOUT FIRST OBTAINING AN ENCROACHMENT FROM CVWD.

CVWD LANDSCAPE APPROVAL

These plans have been reviewed by the Coachella Valley Water District in accordance with Water Code Title 7, Chapter 3, Article 10.3, Section 65597 et seq, requiring efficient landscape and irrigation design in cooperation with the local governing agency (City or County). Approval of this drawing by CVWD staff does not constitute approval to encroach into district and USBR Rights-of-Way. Trees, plants, walls, and permanent structures of any kind may not be planted or installed in CVWD and USBR easements or right-of-way without first obtaining an encroachment permit from CVWD.

Date: 12/19/2011
 WATER MANAGEMENT SUPERVISOR
 DEVELOPMENT SERVICES SUPERVISOR

NOTE:
 ANY EXCESS SOIL ACCUMULATED DURING THE DEMO WORK AND NEW CONSTRUCTION SHALL FIRST BE DISPERSED THROUGHOUT THE MEDIUM ISLAND PROJECT LIMITS WHERE NEEDED. ANY EXCESS SOIL BEYOND THAT SHALL BE EXPORTED OFF PROJECT SITE AND LEGALLY DISPOSED OF AT CONTRACTOR'S EXPENSE.

SHEET TITLE:

SPECIFICATIONS	
SHEET <input type="checkbox"/>	BOOK <input checked="" type="checkbox"/>
JOB CAPTAIN:	LT
DRAWN:	LT
CHECKED:	
PROJ. NO:	R1133
DATE:	1/30/14
SCALE:	1" = 20'-0"

REVISIONS:	

SHEET NO:
L-5.03
 CITY PROJECT NO. CP 12-278
 L39743

GENERAL

- THE FOLLOWING NOTES REFLECT THE REQUIREMENTS OF THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL A COMPLETE AND OPERABLE ELECTRICAL SYSTEM.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL MATERIALS, CONDUIT, WIRING, CONTROL DEVICES AND EQUIPMENT REQUIRED TO INSURE ALL SYSTEMS ARE COMPLETE AND OPERABLE.
- THE DIAGRAMS AND SYMBOLS ILLUSTRATED ON THESE DRAWINGS REFLECT THE INTENT OF THE ELECTRICAL SYSTEMS AND ARE SHOWN DIAGRAMATICALLY. THE CONTRACTOR SHALL GET APPROVAL FROM THE CITY WHEN ROUTING IS UNCLEAR PRIOR TO ANY WORK.
- THE CONTRACTOR SHALL REVIEW THE COMPLETE SET OF CONSTRUCTION DOCUMENTS AND VISIT THE PROJECT EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS.
- LOCATIONS OF EQUIPMENT AND/OR DEVICES SHALL BE VERIFIED WITH THE OWNER/CITY/LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN.
- THE CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF CONSTRUCTION DOCUMENTS, SPECIFICATIONS, SHOP DRAWINGS, ADDENDUM'S AND CHANGE ORDERS ON THE JOB SITE.
- THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE CITY SHOULD A CONFLICT EXIST BETWEEN THESE DRAWINGS AND THE ACTUAL FIELD CONDITIONS.
- COORDINATE THE INSTALLATION OF THE ELECTRICAL SYSTEMS WITH ALL PROJECT TRADES AND NOTIFY THE CITY IF A CONFLICT EXISTS.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE A WARRANTY FOR THE ELECTRICAL WORK INCLUDING MATERIALS, EQUIPMENT AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER ACCEPTANCE OF THE PROJECT BY THE OWNER. NO ADDITIONAL COST FOR LABOR OR REPLACEMENT OF PARTS, MATERIALS AND EQUIPMENT SHALL BE INCURRED BY THE OWNER.
- RETURN OPERATING MANUALS, COPIES OF SHOP DRAWINGS, BROCHURES AND EQUIPMENT WARRANTIES TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- MAINTAIN AND UPDATE DAILY A COMPLETE SET OF AS-BUILT ELECTRICAL DOCUMENTS AND RETURN TO THE PROJECT MANAGER AT THE END OF THE PROJECT.
- THESE NOTES DO NOT REPLACE BOOK SPECIFICATIONS. IF A CONFLICT IS FOUND THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH WORK.
- PROVIDE A DEDICATED ELECTRICAL CIRCUIT(S) FOR THE PROJECT IRRIGATION CONTROLLER(S). COORDINATE THE LOCATION WITH THE LANDSCAPE DRAWINGS AND LANDSCAPE ARCHITECT.

EXISTING CONDITIONS

- WHEN APPLICABLE, THE CONTRACTOR SHALL VERIFY EXISTING SITE AND/OR BUILDING CONDITIONS AND NOTIFY THE PROJECT MANAGER AND CITY IF A CONFLICT EXISTS.
- NOTIFY UNDERGROUND SERVICE ALERT (800-422-4233) TO IDENTIFY EXISTING UNDERGROUND STRUCTURES PRIOR TO BEGINNING UNDERGROUND WORK.
- CONTACT THE CITY WHEN IT BECOMES NECESSARY TO CORE, DRILL OR CUT THROUGH EXISTING CONDITIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE CITY.

MATERIALS

- ELECTRICAL MATERIALS AND PARTS SHALL BE PROVIDED BY THE SAME MANUFACTURE FOR EACH CLASS OR GROUP OF MATERIALS.
- ALL MATERIALS, PARTS AND EQUIPMENT SHALL BE NEW UNLESS OTHERWISE NOTED.
- EXISTING MATERIALS, PARTS AND EQUIPMENT TO BE RE-USED SHALL BE CLEANED AND REPAIRED.

CONTROL DEVICES

- PROVIDE A PHOTOCCELL DEVICE TO TURN ON AND OFF ALL EXTERIOR LIGHTING FIXTURES. COORDINATE THE MOUNTING LOCATION OF THE PHOTOCCELL DEVICE PRIOR TO INSTALLATION.

LIGHTING

- THE LIGHTING FIXTURES ARE SPECIFIED WITH A GENERIC MOUNTING FORMAT. THE CONTRACTOR IS RESPONSIBLE TO VERIFY AND PROVIDING ALL NECESSARY HARDWARE TO INSTALL LIGHTING FIXTURE AT THE LOCATION INDICATED ON THE ELECTRICAL DRAWINGS.
- THE CONTRACTOR SHALL VERIFY THE LIGHTING FIXTURE VOLTAGE PRIOR TO SUBMITTING SHOP DRAWINGS.

SERVICES

- THE CONTRACTOR SHALL COORDINATE ALL SERVICE REQUIREMENTS WITH EACH UTILITY COMPANY PRIOR TO BIDDING THE PROJECT. IF FINAL UTILITY PLANS ARE NOT AVAILABLE THE CONTRACTOR SHALL PROVIDE A SEPERATE ALLOWANCE IN THE BID FOR CONDUITS AND STRUCTURES AS A SEPERATE LINE ITEM FOR EACH UTILITY SYSTEM.
- THE CONTRACTOR SHALL VERIFY ALL UTILITY COMPANY SERVICE REQUIREMENTS, POINT OF CONNECTIONS, QUANTITY OF CONDUITS AND SIZES, CONDUIT INSTALLATION, CONDUIT ENCASMENT, PULL BOX, VAULTS, EQUIPMENT PADS, JOINT TRENCHES AND EQUIPMENT GROUNDING REQUIREMENTS PRIOR TO STARTING CONSTRUCTION.
- VERIFY THE AVAILABLE FAULT CURRENT WITH THE UTILITY COMPANY PRIOR TO SUBMITTING ELECTRICAL METER PEDESTAL/PANELBOARD SHOP DRAWINGS.
- COORDINATE ALL UTILITY COMPANY INSPECTIONS DURING THE INSTALLATION OF CONDUITS AND STRUCTURES.

GROUNDING

- THE COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH ARTICLE 250-GROUNDING OF THE CALIFORNIA ELECTRICAL CODE (CEC).
- VERIFY SYSTEM GROUNDING REQUIREMENTS AND PROVIDE GROUND RODS AS REQUIRED TO INSURE THAT THE RESISTANCE TO GROUND IS 25 OHMS OR LESS.
- THE COMPLETE ELECTRICAL SYSTEM SHALL BE TESTED TO INSURE COMPLIANCE GROUNDING REQUIREMENTS.
- THE METHOD OF OBTAINING GROUND RESISTANCE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE JAMES G. BIDDLE MANUAL PUBLISHED ON THE SUBJECT.

SHOP DRAWINGS AND SUBSTITUTIONS

- THE CONTRACTOR SHALL NOT RELEASE ELECTRICAL EQUIPMENT OR LIGHTING FIXTURES UNTIL SHOP DRAWINGS HAVE BEEN SUBMITTED AND REVIEWED.
- PRODUCT SUBSTITUTIONS WILL ONLY BE ALLOWED AFTER THE PROJECT PLANS AND SPECIFICATIONS ARE BID AS SPECIFIED.
- SUBSTITUTIONS WILL ONLY BE CONSIDERED DURING THE SHOP DRAWING PROCESS AND ONLY IF THE SUBMITTAL INCLUDES UNIT PRICES FOR EACH SPECIFIED AND ALTERNATE PRODUCTS AND A TOTAL PROJECT SAVINGS.
- SUBSTITUTION PRODUCTS SHALL BE EQUAL TO THE PERFORMANCE, QUALITY AND WORKMANSHIP OF THE SPECIFIED PRODUCT. WORKING SAMPLES MAY BE REQUIRED.
- SHOP DRAWINGS SHALL BE PROVIDED FOR THE FOLLOWING ITEMS: GENERAL ELECTRICAL MATERIALS, CONDUIT AND WIRE, METER PEDESTAL, PANELS, LIGHTING FIXTURES, CONTROL EQUIPMENT AND SPECIAL SYSTEMS NOTED ON DRAWINGS OR SPECIFICATIONS.
- ELECTRICAL EQUIPMENT, PARTS AND MATERIALS SHALL BE RELEASED TO INSURE THE CONSTRUCTION SCHEDULE IS NOT JEOPARDIZED DUE TO LATE DELIVERIES.

CONDUIT

- ELECTRICAL METALLIC TUBING UP TO 4" SHALL BE USED AS PERMITTED BY THE ELECTRICAL CODE.
- PVC SCHEDULE 40 CONDUITS SHALL BE USED FOR UNDERGROUND INSTALLATIONS WHEN CONDUIT IS IN CONTACT WITH EARTH.
- THE MINIMUM CONDUIT SIZE PERMITTED SHALL BE 3/4".
- CONDUITS INSTALLED UNDER GROUND SHALL BE INSTALLED A MINIMUM OF 18" BELOW FINISHED GRADE. CONDUITS INSTALLED UNDER STREETS AND PARKING AREAS SHALL BE INSTALLED 24" BELOW FINISHED GRADE.
- PROVIDE A CODE SIZED COPPER GROUND CONDUCTOR IN ALL UNDERGROUND PVC CONDUIT SYSTEMS..

BRANCH CIRCUITING

- BRANCH CONDUIT AND WIRE HASH MARKS MAY NOT BE DEPICTED ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE BRANCH CONDUITS AND WIRING TO ALL CIRCUITS INDICATED AND AS REQUIRED FOR A COMPLETE AND OPERABLE BRANCH CIRCUIT DISTRIBUTION SYSTEM IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE CALIFORNIA OR NATIONAL ELECTRICAL CODE.
- MINIMUM CONDUCTOR SIZE SHALL BE #12 COPPER WITH A MINIMUM CONDUIT SIZE OF 3/4".
- PROVIDE A GREEN GROUND CONDUCTOR IN ALL BRANCH CIRCUIT AND FEEDER CABLES OR CONDUITS.
- AT THE END OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE A DETAILED AS-BUIT DRAWING TO THE CITY.

OUTLET, JUNCTION AND PULL BOXES

- THE MINIMUM SIZE UNDERGROUND PULL BOXES SHALL BE 11"x18"x12" DEEP WITH BOLT DOWN COVERS LABELED TO INDICATE THE PULL BOX SYSTEM. PROVIDE TRAFFIC COVERS IN WALKS, DRIVEWAYS AND PARKING LOTS. OLDCASTLE PRECAST #S1118B12AA OR EQUAL.
- VERIFY THE MOUNTING LOCATION OF ALL UNDERGROUND PULL BOXES PRIOR TO INSTALLATION. COORDINATE WITH OTHER TRADES AND CONSTRUCTION DOCUMENTS.
- OUTLET BOXES FOR HOLIDAY LIGHTING SHALL BE AN ARLINGTON INDUSTRIES, MODEL NO. GPD19BR WITH IN-USE WEATHER PROOF COVER.

CONDUCTORS & WIRING

- ALL CONDUCTORS SHALL BE COPPER WITH AMPACITY RATINGS IN ACCORDANCE WITH ARTICLE 310-15 AND TABLE 310-16.
- ALUMINUM CONDUCTORS ARE NOT APPROVED FOR THIS PROJECT.
- CONDUCTORS SHALL BE CODE GRADE THHN/THWN (DRY/WET) 600 VOLT 75 DEGREE C. COPPER WITH MARKINGS (24" O.C.) INDICATING MANUFACTURE, WIRE TYPE, AMPERAGE AND SIZE.
- THE MINIMUM WIRE SIZE SHALL BE #12 AWG SOLID. WIRE SIZE #8 AND LARGER SHALL BE COPPER STRANDED.
- SOLDERLESS CONNECTORS AND TERMINALS SHALL BE USED FOR TERMINATING STRANDED CONDUCTORS #8 AND LARGER. APPROVED MANUFACTURES ARE BURNDY OR T&B.
- BRANCH CIRCUIT AND FIXTURE WIRING, SPLICES AND TAPS FOR CONDUCTORS #10 AND SMALLER SHALL BE MADE WITH UL LISTED 600 VOLT CONNECTORS AS MANUFACTURED BY IDEAL OR SCOTCHLOCK.
- CONDUCTORS IN PANELS, TERMINAL CABINETS, PULL BOXES AND WIRING GUTTERS SHALL BE NEATLY GROUPED AND TAPES TOGETHER WITH 3M "SCOTCH #33 PLASTIC ELECTRICAL TAPE OR T&B #TY-RAP CABLE STRAPS.
- REMOVE ALL DEBRIS AND MOISTURE FROM CONDUITS, BOXES AND CABINETS BEFORE THE INSTALLATION OF CONDUCTORS.
- WHEN REQUIRED MINERALAC OR LNSEED SOAP ARE APPROVED WIRE PULLING COMPOUNDS, OIL, GREASE OR SIMILAR SUBSTANCES ARE NOT APPROVED AS PULLING COMPOUNDS.
- ALL CONDUCTORS SHALL BE PERMANENTLY TAGGED TO INDICATE SYSTEM OR CIRCUIT NUMBER.
- CONNECTIONS OR SPLICES LOCATED IN PULL BOXES OR OTHER SPACE BELOW GRADE SHALL BE WEATHERPROOF. #8 CONDUCTORS AND SMALLER SHALL USE SCOTCHLOK CONNECTORS IMBEDDED WITHIN A "UNIPAK" 3M SCOTCHCAST EPOXY TYPE RESIN. #6 AND LARGER SHALL USE "HI-PRESS" HYDRAULICALLY COMPRESSED HEAVY WALL CONNECTOR AS MANUFACTURED BY THOMAS & BETTS #HS-LR OR RAYCHEM #MWM OR #WCSM SERIES PRE-APPLIED SEALANT, POLYLEFIN HEAT SHRINKABLE TUBE INSULATOR FOR EACH CONDUCTOR OR OR COLD SHRINK TUBE INSULATORS RAYCHEM #RVS.
- BOLT TYPE SODERLESS CONNECTORS SHALL BE TIGHTEN TWICE AT 24 AND 48 HOURS AFTER THE ORIGINAL INSTALLATION AND BEFORE TAPING.

REGULATIONS, CODES AND PERMITS

- THE COMPLETE ELECTRICAL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE 2010 CALIFORNIA ELECTRICAL CODE (CEC) AND 2008 CALIFORNIA ENERGY CODE. REFER TO THE COVER SHEET FOR A LIST OF CODES THAT PERTAIN TO THIS PROJECT.
- NOTHING ON THE DRAWINGS, GENERAL NOTES OR SPECIFICATIONS IS TO BE INTERPRETED AS PERMITTING WORK NOT CONFORMING WITH ANY CODE, REGULATION OR CITY ORDINANCES.

CO	CONDUIT ONLY	U.O.N.	UNLESS OTHERWISE NOTED
C	CONDUIT	KW	KILOWATT
WP	WEATHERPROOF	KVA	KILOVOLT AMPS
VD	VOLTAGE DROP	GND	GROUND
TYP	TYPICAL	PNL	PANEL
NO OR #	NUMBER	V	VOLTAGE
AIC	SHORT CIRCUITING RATING IN SYMMETRICAL AMPS	A	AMPS
E.G.	EQUIPMENT GROUNDING	Ø	PHASE
		FT	FOOT OR FEET
		QTY	QUANTITY

ABBREVIATIONS

	LIGHT FIXTURE TYPE 'A', INGRADE UPLIGHT WITH A NARROW FLOOD DISTRIBUTION - REFER TO LIGHT FIXTURE SCHEDULE
	LIGHT FIXTURE TYPE 'B', INGRADE UPLIGHT WITH A SPOT DISTRIBUTION - REFER TO LIGHT FIXTURE SCHEDULE
	BRANCH CIRCUIT WIRING. NUMBER OF HATCH MARKS INDICATED NUMBER OF WIRES IN CODE SIZE CIRCUITS.
	HOME RUN TO PANEL. LETTER DESIGNATES PANEL, NUMERALS DESIGNATE CIRCUITS.
	SYSTEM GROUND IN ACCORDANCE WITH ELECTRICAL CODE ARTICLE #250
	WIRING RUN UNDERGROUND
	JUNCTION BOX OR PULL BOX
	PLAN NOTE REFERENCE, SEE NOTES FOR REQUIREMENTS
	LIGHT FIXTURE CALLOUT

SCALE: 2 N.T.S.

ELECTRICAL GENERAL NOTES

SCALE: 1 N.T.S.

ELECTRICAL SHEET INDEX

SCALE: 4 N.T.S.

- E-1.00 - ELECTRICAL GENERAL NOTES
- E-1.01 - ELECTRICAL SCHEDULES & DETAILS
- E-2.00 - ELECTRICAL LIGHTING PLANS
- E-2.01 - ELECTRICAL LIGHTING PLANS
- E-2.02 - ELECTRICAL LIGHTING PLANS
- E-2.03 - ELECTRICAL LIGHTING PLANS

LANDSCAPE ARCHITECTS, INC.
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 PALM DESERT, CA 92260
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 FAX (760) 773-5615
 E-MAIL: RGA@RGA-PD.COM

SHEET TITLE:
ELEC. GENERAL NOTES AND LEGEND

PROJECT:
RANCHO MIRAGE MEDIUM
 FRANK SINATRA DRIVE
 RANCHO MIRAGE, CA

SPECIFICATIONS

SHEET BOOK

JOB CAPTAIN: LT

DRAWN: FR

CHECKED: VL

PROJ. NO: R1133

DATE: 9/19/11

SCALE: N/A

REVISIONS:

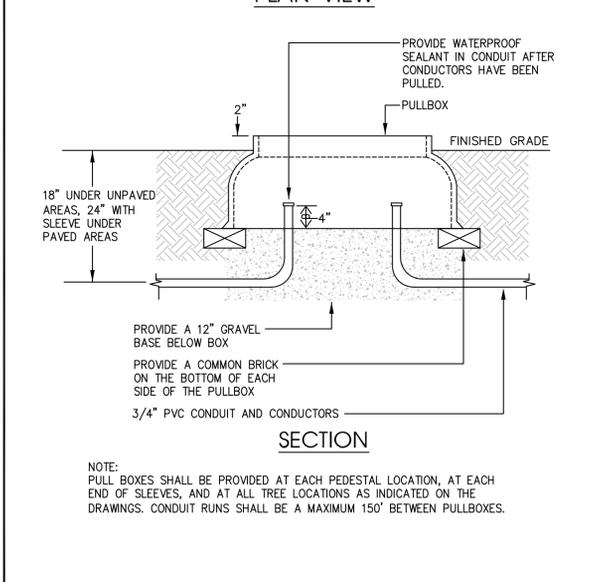
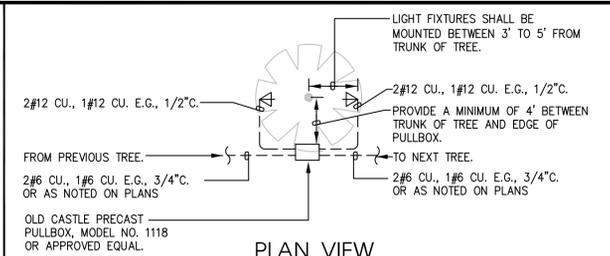
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SHEET NO:
E-1.00

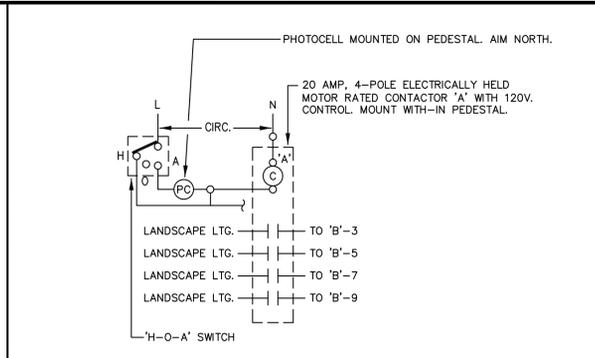
CITY PROJECT NO. RA 11-112



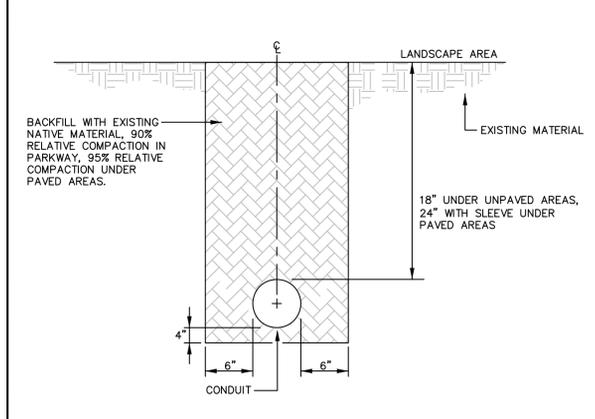
MIRC
 ENGINEERING, INC.
 Project Number: 1105030
 Professional Engineers & Lighting Consultants
 o: 760-340-9005 f: 760-340-9100
 Palm Desert | Santa Ana | San Diego



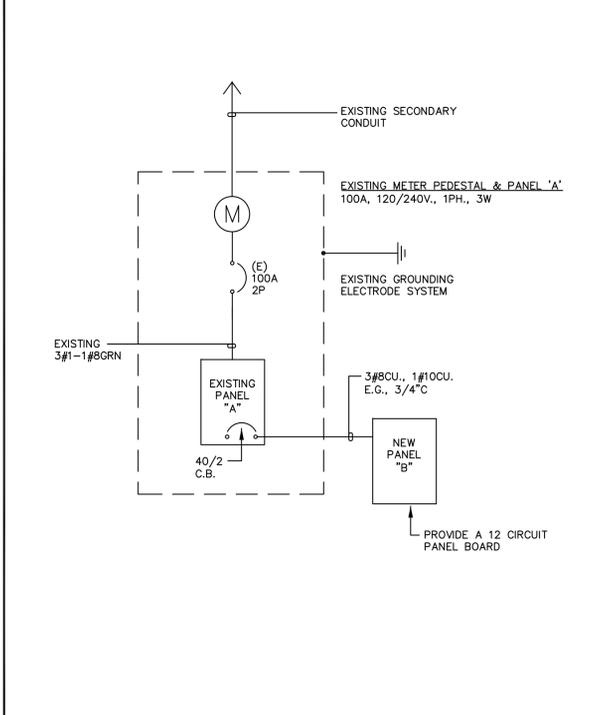
TYPICAL TREE LIGHTING & PULLBOX LAYOUT SCALE: 1 N.T.S.



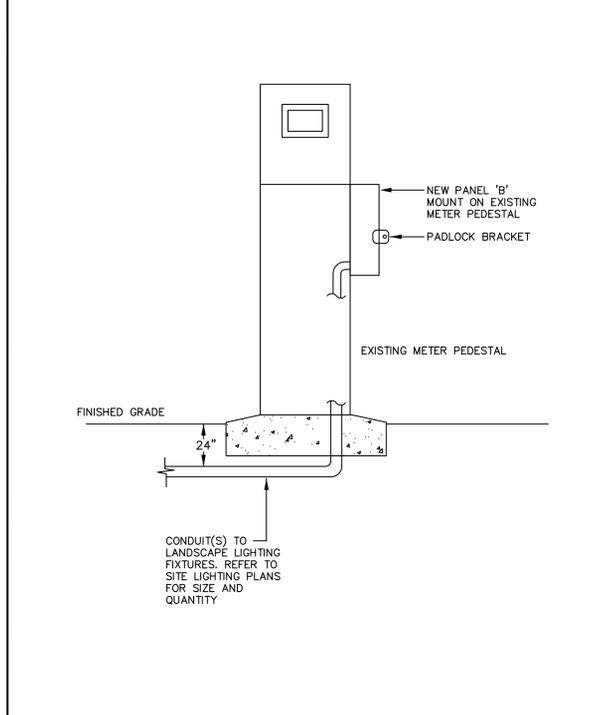
TYPICAL LIGHTING CONTROL DIAGRAM SCALE: 3 N.T.S.



TYPICAL CONDUIT TRENCH DETAIL SCALE: 4 N.T.S.



SINGLE LINE DIAGRAM - NEW PEDESTAL 'B' SCALE: 2 N.T.S.



EXISTING ELECTRICAL METER PEDESTAL SCALE: 5 N.T.S.

PANEL: EXIST. 'A' PANEL VOLTAGE: 120/240 1P, 3W CIRCUIT CODE: N : NON-CONTINUOUS
 LOCATION: PEDESTAL BUS: 100A L : LONG-CONTINUOUS
 MOUNTING: SURFACE MAIN: 100A 2P R : DEMANDABLE RECEPTACLES
 AIC RATING: 10,000 K : KITCHEN

CIRC	VA LOAD		LOAD DESCRIPTION	TYPE		C.B.		BUS		C.B.		TYPE		LOAD DESCRIPTION	VA LOAD		CIRC			
	A	B		M	R	L	TR	P	AB	TR	P	L	R		M	A		B		
1			MAIN	N					100	2	X			N	EXISTING CIRCUIT	1150		2		
3			MAIN	N										N	EXISTING CIRCUIT	1150		4		
5	900		EXISTING CIRCUIT	N										N	EXISTING CIRCUIT	1150		8		
7		900	EXISTING CIRCUIT	N										N	EXISTING CIRCUIT	1150		8		
9			PANEL B	N					40	2	X			N	EXISTING CIRCUIT	1150		10		
11				N										N	EXISTING CIRCUIT	1150		12		
900 900 PHASE TOTALS															3450 3450					
Total Phase A:															4350		CONNECTED VA (CODE N):		8700	
Total Phase B:															4350		CONNECTED VA (CODE L):			
																	CONNECTED VA (CODE R):			
																	CONNECTED VA (CODE K):			
																	TOTAL CONNECTED KVA:		8.7	
																	DEMAND KVA:			
																	TOTAL ADJUSTED KVA:		8.7	
																	TOTAL PANEL AMPS:		36.2	
																	AMPS W/LCL:		36.2	

NOTES:
 1. RE-CIRCUIT EXISTING CIRCUITS 9 & 11 TO PANEL 'B' TO MAKE ROOM FOR NEW 40 AMP, 2-POLE BREAKER.

PANEL: 'B' PANEL VOLTAGE: 120/240 1P, 3W CIRCUIT CODE: N : NON-CONTINUOUS
 LOCATION: SEE PLANS BUS: 100A L : LONG-CONTINUOUS
 MOUNTING: PEDESTAL MAIN: 100A 2P R : DEMANDABLE RECEPTACLES
 AIC RATING: 10,000 AIC SERIES RATED K : KITCHEN

CIRC	VA LOAD		LOAD DESCRIPTION	TYPE		C.B.		BUS		C.B.		TYPE		LOAD DESCRIPTION	VA LOAD		CIRC			
	A	B		M	R	L	TR	P	AB	TR	P	L	R		M	A		B		
1	200		CONTROL CIRCUIT	L					20	1	X			N	IRRIGATION CONTROLLER	400		2		
3		400	LANDSCAPE LIGHTING	L					20	1	X			N	EXIST. CIRCUIT FROM PANEL 'A'	900		4		
5	400		LANDSCAPE LIGHTING	L					20	1	X			N	EXIST. CIRCUIT FROM PANEL 'A'	900		6		
7		400	LANDSCAPE LIGHTING	L					20	1	X			N	SPACE			8		
9		400	LANDSCAPE LIGHTING	L					20	1	X			N	SPACE			10		
11			SPACE	L					20	1	X			N	SPACE			12		
1000 800 PHASE TOTALS															1300 900					
Total Phase A:															2300		CONNECTED VA (CODE N):		400	
Total Phase B:															1700		CONNECTED VA (CODE L):		1800	
																	CONNECTED VA (CODE R):			
																	CONNECTED VA (CODE K):			
																	TOTAL CONNECTED KVA:		4.0	
																	DEMAND KVA:			
																	TOTAL ADJUSTED KVA:		4.0	
																	TOTAL PANEL AMPS:		16.7	
																	AMPS W/LCL:		18.8	

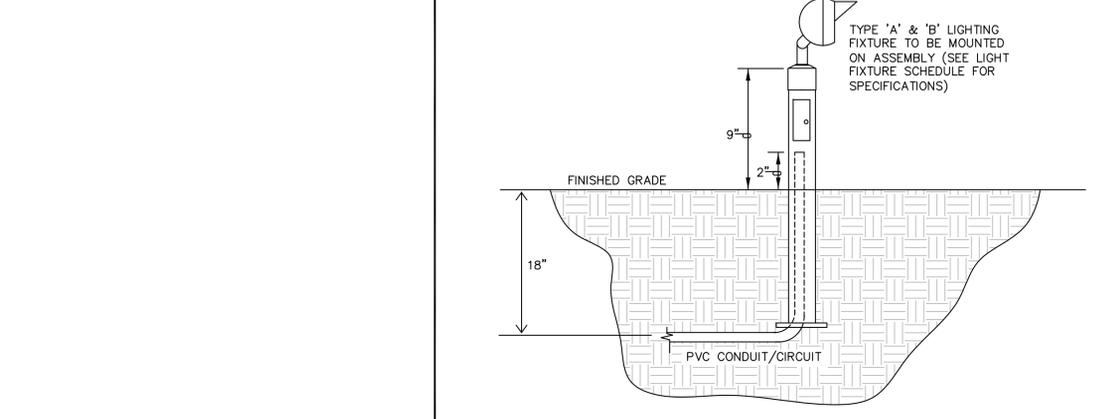
NOTES:
 1. CONTRACTOR SHALL PROVIDE A PHOTOCELL AND 4-POLE CONTACTOR TO CONTROL LIGHTING CIRCUITS. SEE DETAIL 3/E1.01

PANEL SCHEDULES SCALE: 6 N.T.S.

LIGHTING FIXTURE SCHEDULE (REFER TO THE PROJECT ELECTRICAL GENERAL NOTES FOR ADDITIONAL LIGHTING FIXTURE REQUIREMENTS)

SYMBOL	TYPE	FIXTURE MANUFACTURE	WATTAGE	VOLTAGE	LAMP TYPE	DESCRIPTION AND NOTES	MOUNTING
▽	A	KIM LIGHTING #EL217FL-9L3KUV-DB	9	120	LED	PROVIDE KIM LIGHTING HOOD OPTION #FH215BL AND MOUNT OPTION #SM18BL	GROUND
▽	B	KIM LIGHTING #EL217FL-3L3KUV-DB	3	120	LED	PROVIDE KIM LIGHTING HOOD OPTION #FH215BL AND MOUNT OPTION #SM18BL	GROUND

LIGHT FIXTURE SCHEDULES SCALE: 7 N.T.S.



LIGHT FIXTURE DETAIL SCALE: 8 N.T.S.

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SHEET TITLE: **ELECTRICAL SCHEDULES AND DETAILS**
 PROJECT: **RANCHO MIRAGE MEDIAN**
 FRANK SINATRA DRIVE
 RANCHO MIRAGE, CA

SPECIFICATIONS

SHEET BOOK

JOB CAPTAIN: LT
 DRAWN: FR
 CHECKED: VL
 PROJ. NO: R1133
 DATE: 9/19/11
 SCALE: N/A
 REVISIONS:

SHEET NO: **E-1.01**
 CITY PROJECT NO. RA 11-112



M|R|C
 ENGINEERING, INC.
 Project Number: 1105030
 Professional Engineers & Lighting Consultants
 c. 760-340-9005 f. 760-340-9100
 Palm Desert | Santa Ana | San Diego



LANDSCAPE ARCHITECTS, INC.
74020 ALESSANDRO, SUITE E
PALM DESERT, CA 92260
(760) 568-3624
FAX (760) 773-5615
E-MAIL: RGA@RGA-PD.COM

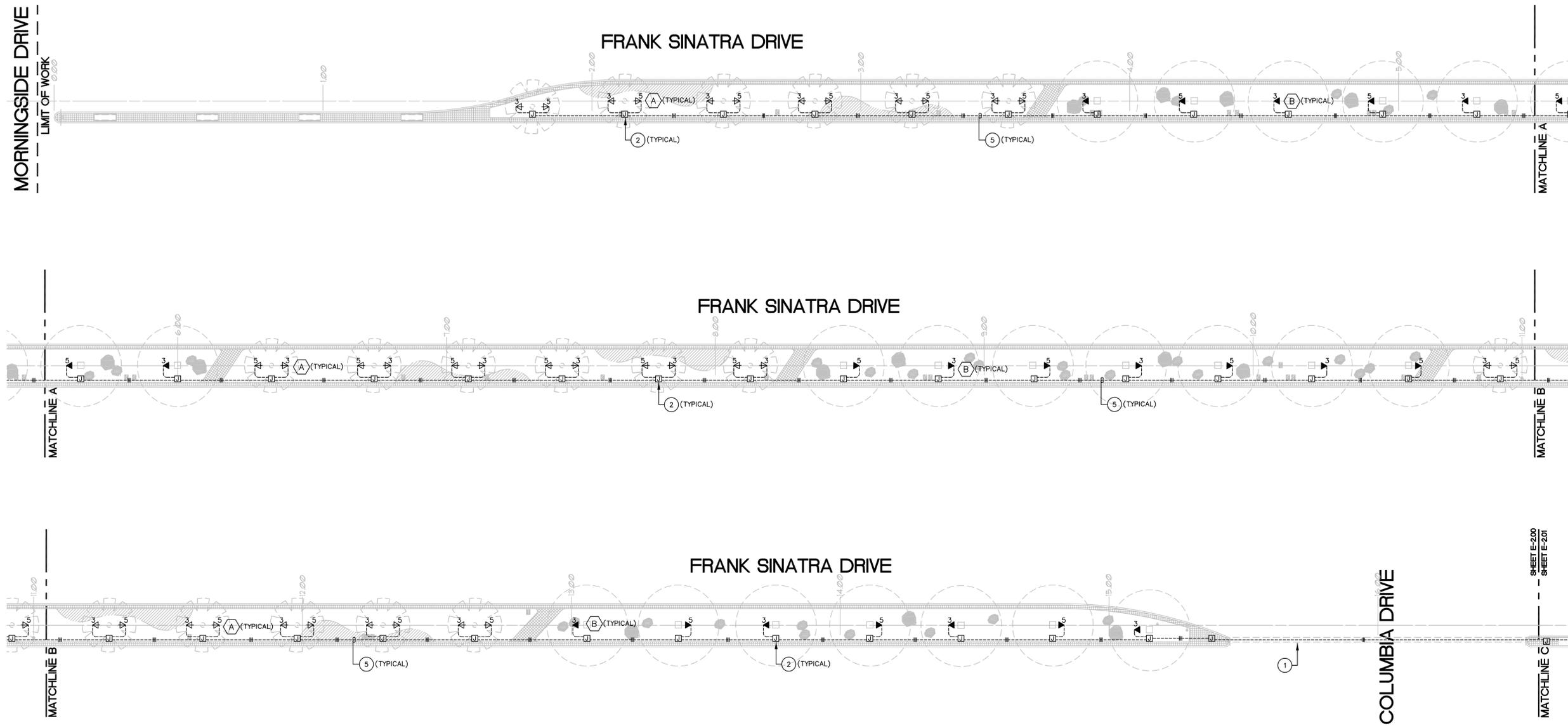
SHEET TITLE:
ELECTRICAL SITE LIGHTING PLAN

PROJECT:
RANCHO MIRAGE MEDIAN
FRANK SINATRA DRIVE
RANCHO MIRAGE, CA

SPECIFICATIONS	
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JOB CAPTAIN:	LT
DRAWN:	FR
CHECKED:	VL
PROJ. NO:	R1133
DATE:	9/19/11
SCALE:	1" = 20'-0"
REVISIONS:	
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SHEET NO:
E-2.00

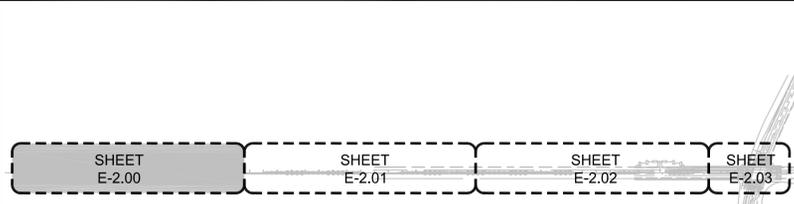
CITY PROJECT NO. RA 11-112



- 1 CONTRACTOR TO VERIFY EXISTING SLEEVE LOCATION AND RE-USE.
- 2 PROVIDE IN GRADE PULL BOX AT END OF SLEEVES AT EACH PEDESTAL LOCATION, AND AT ALL THE TREE LOCATION. REFER TO DETAIL 1 ON SHEET E-1.01
- 3 ALL LIGHTING CIRCUITS TO BE CONTROLLED BY A PHOTOCELL CONTROLLER CONTRACTOR. REFER TO DETAIL 2 ON SHEET E-1.01.
- 4 WP JUNCTION BOX AND FINAL CONNECTION TO IRRIGATION CONTROLLER. JUNCTION BOX TO BE INTEGRAL TO IRRIGATION CONTROLLER PEDESTAL.
- 5 CONTRACTOR SHALL RE-USE EXISTING CONDUIT FROM EXISTING LIGHTING. COORDINATE WITH IRRIGATION LINE SO THAT THE ELECTRICAL CONDUIT IS ON OPPOSITE SIDE OF MEDIAN.

KEYED NOTES

SCALE: 2
N.T.S.



KEY PLAN

SCALE: 1
N.T.S.

1-800-422-4133

IT'S THE LAW TO CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-422-4133

NORTH

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



M|R|C
ENGINEERING, INC.
Project Number: 1105030

Professional Engineers & Lighting Consultants
o: 760-340-9005 f: 760-340-9100
Palm Desert | Santa Ana | San Diego



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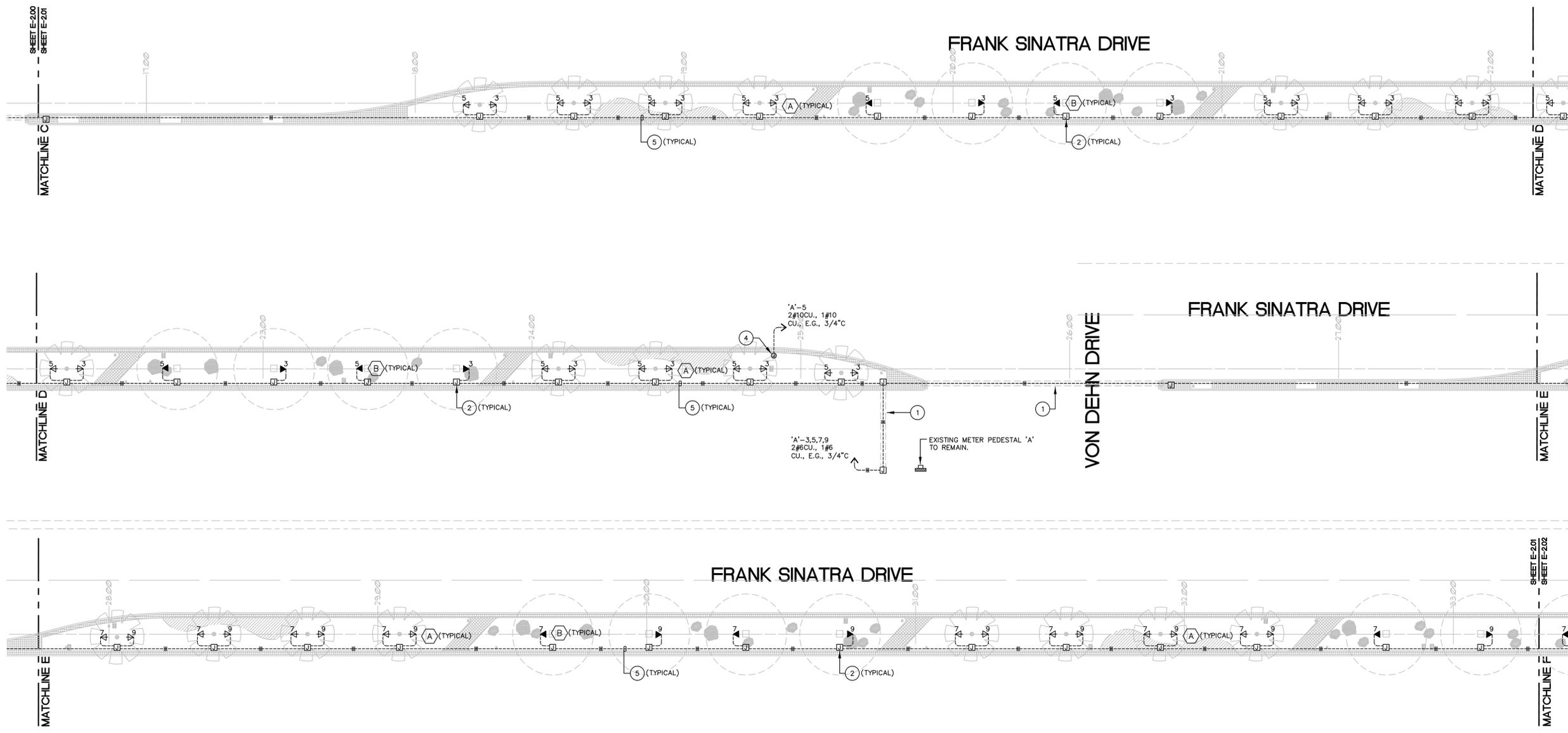
SHEET TITLE:
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SPECIFICATIONS	
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REVISIONS:	
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SHEET NO:
E-2.01

CITY PROJECT NO. RA 11-112



IT'S THE LAW TO CALL BEFORE YOU DIG. CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING.

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

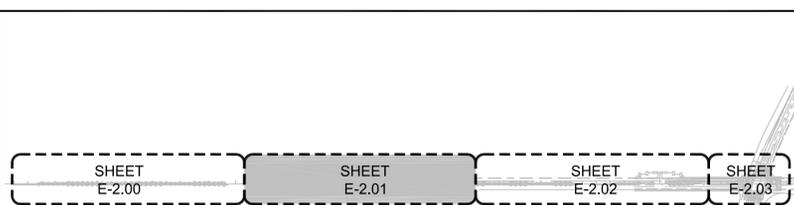
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1-800-422-4133

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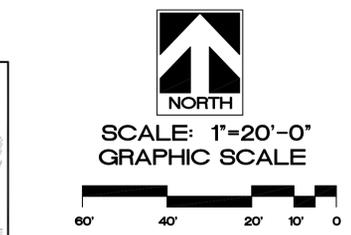
KEYED NOTES

SCALE: 2 N.T.S.



KEY PLAN

SCALE: 1 N.T.S.



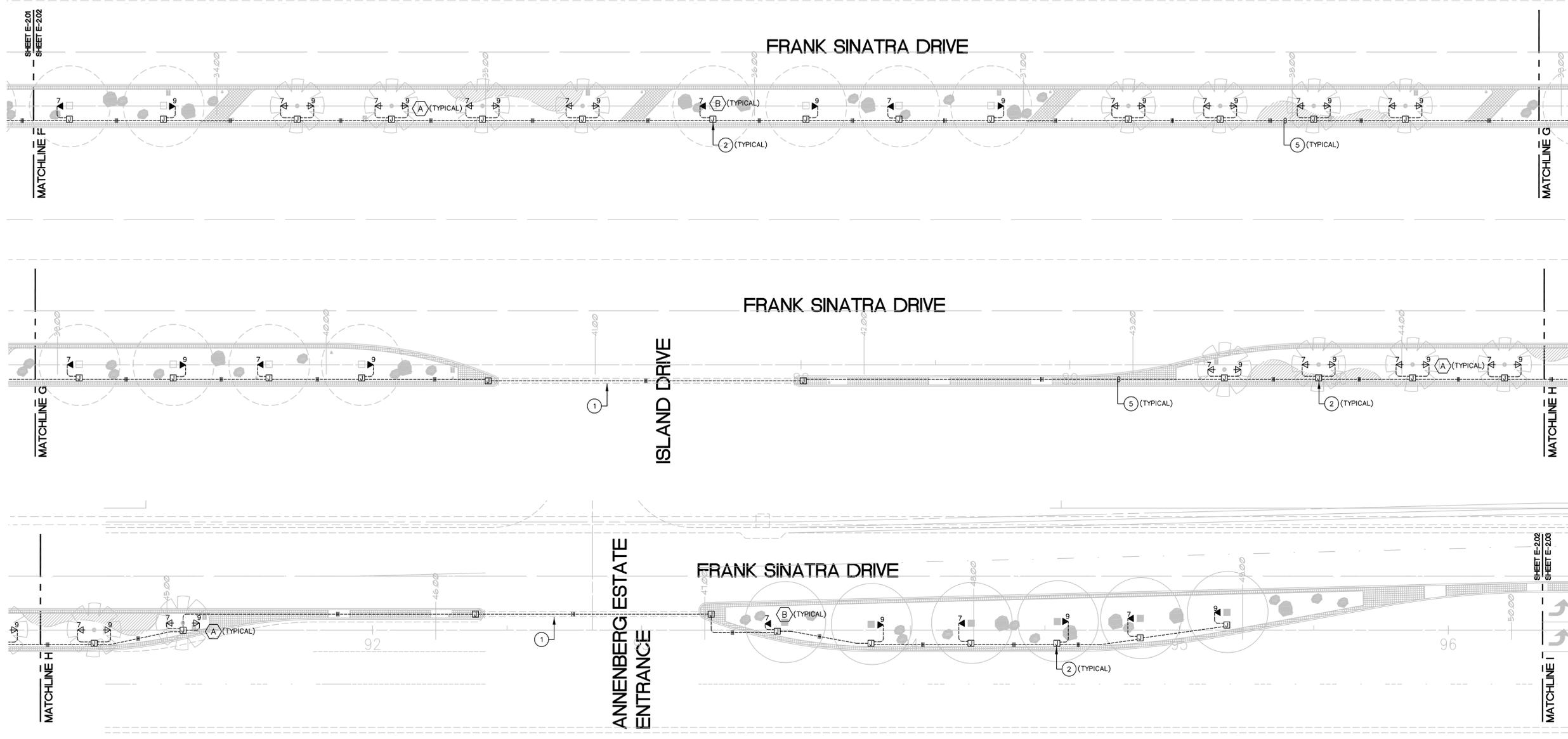
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SHEET TITLE:
ELECTRICAL SITE LIGHTING PLAN

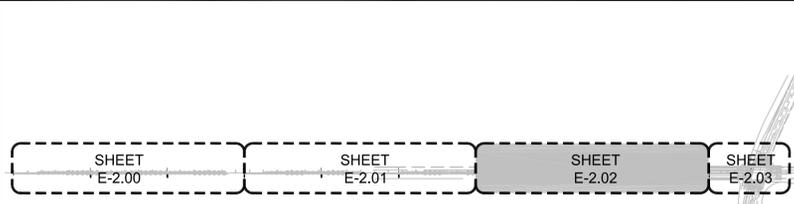
PROJECT:
RANCHO MIRAGE MEDIAN
FRANK SINATRA DRIVE
RANCHO MIRAGE, CA



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KEYED NOTES

SCALE: 2
N.T.S.



KEY PLAN

SCALE: 1
N.T.S.



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



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ENGINEERING, INC.
Project Number: 1105030
Professional Engineers & Lighting Consultants
Palm Desert | Santa Ana | San Diego

SHEET NO:

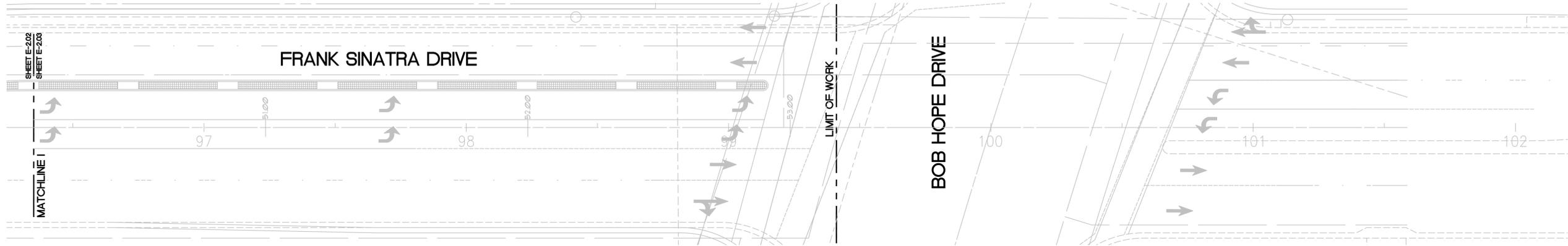
E-2.02

CITY PROJECT NO. RA 11-112

1-800-422-4133
IT'S THE LAW CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
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PROJECT:
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RANCHO MIRAGE, CA

SPECIFICATIONS	
SHEET <input type="checkbox"/>	BOOK <input checked="" type="checkbox"/>
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DRAWN:	FR
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DATE:	9/19/11
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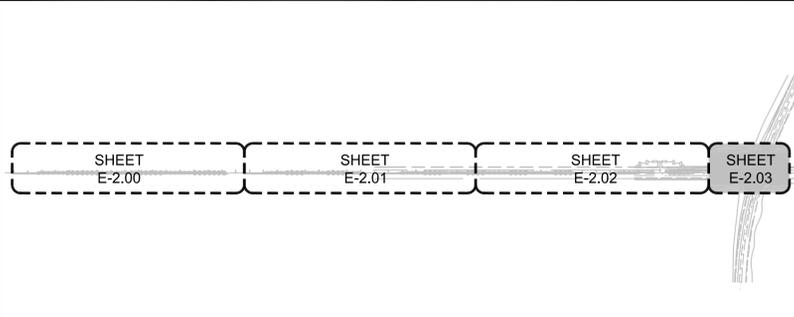
SHEET NO:
E-2.03

CITY PROJECT NO. RA 11-112

- 1 CONTRACTOR TO VERIFY EXISTING SLEEVE LOCATION AND RE-USE.
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N.T.S.



KEY PLAN

SCALE: 1
N.T.S.



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



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Project Number: 11050.00
Professional Engineers & Lighting Consultants
Palm Desert | Santa Ana | San Diego

1-800-422-4133

IT'S THE LAW
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OF SOUTHERN CALIFORNIA

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