

CITY OF RANCHO MIRAGE TRAFFIC SIGNAL MODIFICATIONS PLANS FOR GERALD FORD DRIVE AND DA VALL DRIVE INTERSECTION CITY PROJECT CP 12-272

CONDUCTOR SCHEDULE																				
A.W.G./CABLE	CIRCUIT	RUNS																		
		1	2	3	4	5	6	7	8	9	10									
12 CSC 3 CSC	POLE A	1/1(N)																		
	POLE B	1/1(N)																		
	POLE C	1/1(N)																		
	POLE D				1/1(N)															
	POLE E					1/1	1/1	1/1	1/1	1/1	1/1									
	POLE F					1/1	1/1	1/1	1/1	1/1	1/1									
	POLE G					1/1	1/1	1/1	1/1	1/1	1/1									
	POLE H					1/1	1/1	1/1	1/1	1/1	1/1									
TOTAL		1/1(N)	2/2(N)	3/3(N)	4/4(N)	4/4(N)	4/4(N)	4/4(N)	4/4(N)	4/4(N)										
#12	I.L.S.N.S.	2(N)	2	2	2	2	2	2	2	2	2									
#10	SIGNAL COMMON	1(N)	1	1	1	1	1	1	1	1	1									
	LUMINAIRE	2(N)	2	2	2	2	2	2	2	2	2									
	TOTAL	3(N)	3	3	3	3	3	3	3	3	3									
#8	SERVICE										2	2	2	2	2	2	2	2	2	
TYPE 'B' DLC	#1										1	1	1	1	1	1	1	1	1	
	#2		3(N)	3	3	3	3	3	3	3	3	3								
	#3										1	1	1	1	1	1	1	1	1	
	#4					3(N)	3(N)	3(N)	3(N)	3(N)	3	3	3	3	3	3	3	3	3	
	#5		1(N)	1	1	1	1	1	1	1	1	1								
	#6										3	3	3	3	3	3	3	3	3	
	#7										1	1	1	1	1	1	1	1	1	
	#8										2	2	2	2	2	2	2	2	2	
	TOTAL		4(N)	4(N)	7(N)	7(N)	7(N)	7(N)	7(N)	7(N)	4	4	7	7	7	7	7	7	7	
EVP. CABLE (GTT 138 CABLE)	1(N)	1(N)	2(N)	1	1	1	1	1	1	1	1	1								
COMM. CABLE (BELDEN)	1(N)	1(N)	1(N)	1(N)	1(N)	1(N)	1(N)	1(N)	1(N)	1	1	1	1	1	1	1	1	1		
CONDUIT SIZE (INCH)	3(N)	3(N)	3(N)	3(N)	3.5(N)	3.5(N)	3.5(N)	3.5(N)	3.5(N)	3	3	3	3	3	3	3	3	3		
PERCENT (%) FILL		13	26	35	35	46	46	46	46	37	26	25	15							

■ = USE EXISTING CONDUIT, CONDUCTOR, AND CABLES UNLESS NOTED
 (N) = INSTALL NEW CONDUIT, CONDUCTOR, OR CABLE ASSOCIATED WITH RUN
 1 2 3 4 TO CONTROLLER CABINET.

POLE SCHEDULE															
NO.	STANDARD					LUM.	SIGNAL MOUNTING				PPB**	DIMS		I.L.S.N.S.	
	TYPE	HGT	SIG MA	LUM MA	F DIST		LED*	SIG MA	VEHICLE	PED**		PHASE	QUAD.	A	B
(A)	26-4-80(R)	30'	45'(R)	15'(R)	-	180W(N)	2-MAS(R)	SV-1-T(R)	SP-1-T(R)	#2(N)	E	6.5'	5.3'	DA VALL DRIVE(R)	-
(B)	1-A(R)	10'	-	-	-	-	-	TV-2-T(R)	SP-1-T(R)	#4(N)	S	8.9'	4.0'		
(C)	26-4-80(R)	30'	45'(R)	15'(R)	-	180W(N)	2-MAS(R)	SV-1-T(R)	SP-1-T(R)	#4(N)	S	7.2'	4.0'	GERALD FORD DRIVE(R)	-
(D)	1-A(R)	10'	-	-	-	-	-	TV-2-T(R)	SP-1-T(R)	#6(N)	W	9.0'	4.0'		
(E)	26-4-80	30'	45'	15'	-	180W(N)	2-MAS	SV-1-T	SP-1-T	#6(N)	W	EXISTING		DA VALL DRIVE	-
(F)	1-A	10'	-	-	-	-	-	TV-2-T	SP-1-T	#8(N)	N	EXISTING			
(G)	26-4-80	30'	40'	15'	-	180W(N)	2-MAS	SV-1-T	SP-1-T	#8(N)	N	EXISTING		GERALD FORD DR Cathedral City	69-900
(H)	1-A	10'	-	-	-	-	-	TV-2-T	SP-1-T	#2(N)	E	EXISTING			

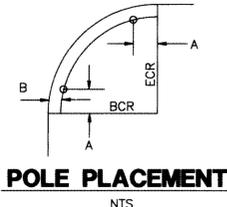
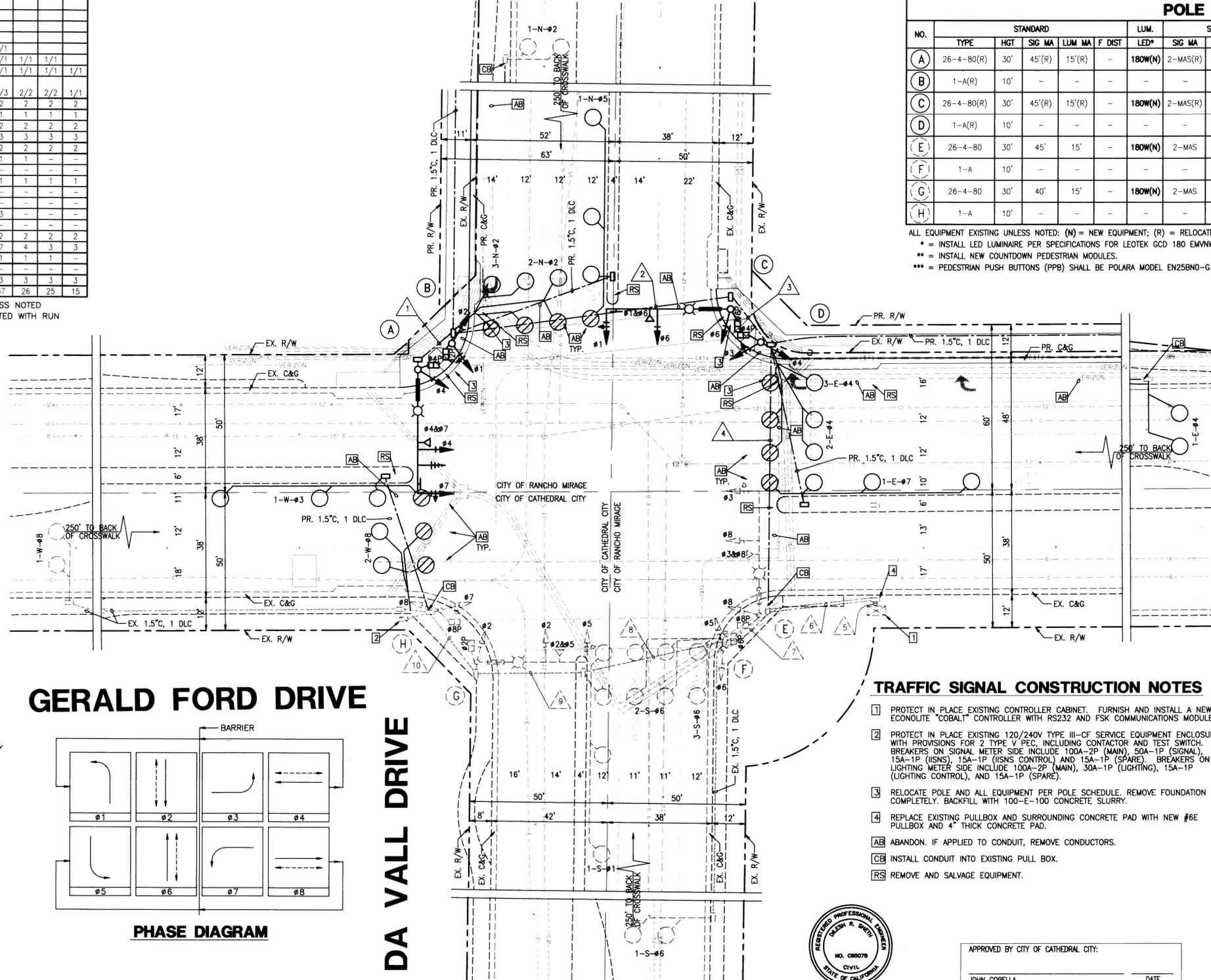
ALL EQUIPMENT EXISTING UNLESS NOTED: (N) = NEW EQUIPMENT; (R) = RELOCATE EQUIPMENT.
 * = INSTALL LED LUMINAIRE PER SPECIFICATIONS FOR LEOTEK GCD 180 EMVW 367700.
 ** = INSTALL NEW COUNTDOWN PEDESTRIAN MODULES.
 *** = PEDESTRIAN PUSH BUTTONS (PPB) SHALL BE POLARA MODEL EN25BN0-G.

GENERAL TRAFFIC SIGNAL NOTES:

- ALL ITEMS TO BE FURNISHED AND ALL WORK TO BE DONE SHALL CONFORM TO THE REQUIREMENTS OF: THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION; CALTRANS MUTCD LATEST EDITION; AND THE SPECIAL PROVISIONS.
- UTILITIES SHOWN ON THESE PLANS ARE CORRECT AND ACCURATE TO THE EXTENT OF AVAILABLE RECORDS. THE CONTRACTOR, HOWEVER, IS REQUIRED TO TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF ALL KNOWN SUB-STRUCTURES PRIOR TO DOING WORK THAT MAY DAMAGE OR INTERFERE WITH SUCH FACILITIES. ("UNDERGROUND SERVICE ALERT" (800) 227-2600).
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND NOTIFY ALL AFFECTED AGENCIES AND UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- ALL PULL BOXES SHALL BE NO. 6 UNLESS NOTED ON THE PLAN. ALL PULLBOXES SHALL BE GROUNDED AND HAVE A 1" DRAIN HOLE.
- PULLBOXES SHALL NOT BE LOCATED IN OR WITHIN 1' OF ANY CURB ACCESS RAMP OR DRIVEWAY.
- A 1' WIDE, 4" DEEP PCC "COLLAR" SHALL BE CONSTRUCTED AROUND ALL PULL BOXES WHICH ARE SET IN AREAS WITH SURFACE OTHER THAN A.C. OR PCC.
- THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE PRECISE FIELD LOCATIONS OF ALL TRAFFIC SIGNAL EQUIPMENT PRIOR TO INSTALLATION.
- ALL LANDSCAPING, HARDSCAPE AND ELECTRICAL LIGHTING WHICH IS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY AND PROPERTY OWNER.
- ALL HARDWARE, EQUIPMENT, AND MATERIALS REQUIRED TO COMPLETE THIS PROJECT SHALL BE FURNISHED BY THE CONTRACTOR, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS.
- ALL NEW POLES AND SIGNAL GEAR SHALL BE PAINTED PER THE SPECIAL PROVISIONS.
- ALL NEW POLES AND SIGNAL GEAR SHALL BE WRAPPED FOR PROTECTION DURING TRANSPORTATION AS SPECIFIED IN THE SPECIAL PROVISIONS.
- ALL SALVAGED SIGNAL EQUIPMENT AND HARDWARE SHALL BE TRANSPORTED TO THE CITY YARD AT 72201 MANUFACTURING ROAD, THOUSAND PALMS, CA. CALL MR. BILL HARRISON AT (760) 343-6576 PRIOR TO DELIVERY.
- DURING CONSTRUCTION THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY TRAFFIC CONTROL DEVICES INCLUDING TEMPORARY SIGNAL POLES AND HEADS AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL REWIRE CABINET PHASING PER NEW PHASING PLAN.

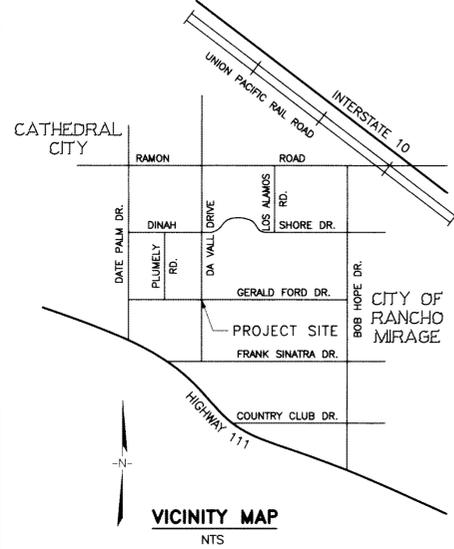
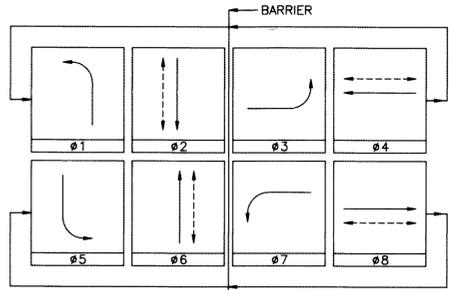
TRAFFIC SIGNAL CONSTRUCTION NOTES

- PROTECT IN PLACE EXISTING CONTROLLER CABINET. FURNISH AND INSTALL A NEW ECONOLITE "COBALT" CONTROLLER WITH RS232 AND FSK COMMUNICATIONS MODULE.
 - PROTECT IN PLACE EXISTING 120/240V TYPE III-C SERVICE EQUIPMENT ENCLOSURE WITH PROVISIONS FOR 2 TYPE V REC. INCLUDING CONTRACTOR AND TEST SWITCH. BREAKERS ON SIGNAL METER SIDE INCLUDE: 100A-2P (MAIN), 50A-1P (SIGNAL), 15A-1P (IISNS CONTROL), 15A-1P (IISNS CONTROL) AND 15A-1P (SPARE). BREAKERS ON LIGHTING METER SIDE INCLUDE: 100A-2P (MAIN), 30A-1P (LIGHTING), 15A-1P (LIGHTING CONTROL), AND 15A-1P (SPARE).
 - RELOCATE POLE AND ALL EQUIPMENT PER POLE SCHEDULE. REMOVE FOUNDATION COMPLETELY. BACKFILL WITH 100-E-100 CONCRETE SLURRY.
 - REPLACE EXISTING PULLBOX AND SURROUNDING CONCRETE PAD WITH NEW #6 PULLBOX AND 4" THICK CONCRETE PAD.
- AB ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
 CB INSTALL CONDUIT INTO EXISTING PULL BOX.
 RS REMOVE AND SALVAGE EQUIPMENT.



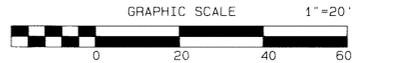
GERALD FORD DRIVE

DA VALL DRIVE



APPROVED BY CITY OF CATHEDRAL CITY:

JOHN CORELLA DATE
 R.C.E. 54585
 LELAND E. COLE DATE 4/9/15
 R.C.E. 47159
 APPROVED BY CITY OF RANCHO MIRAGE:
 WILLIAM A. ENOS, CITY ENGINEER DATE 5/1/15
 R.C.E. 43910



IMPORTANT NOTICE: CALL BEFORE YOU DIG. SECTION 0216 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE OBTAINED BEFORE A PERMIT TO EXCAVATE WILL BE ISSUED FOR YOUR PRE-EXCAVATION 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 OBTAIN INDEPENDENTLY AND HOLD DESIGN PROFESSIONAL LIABILITY FROM ANY AND ALL LIABILITY, NOW OR ALTERED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

THE COURSE 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.

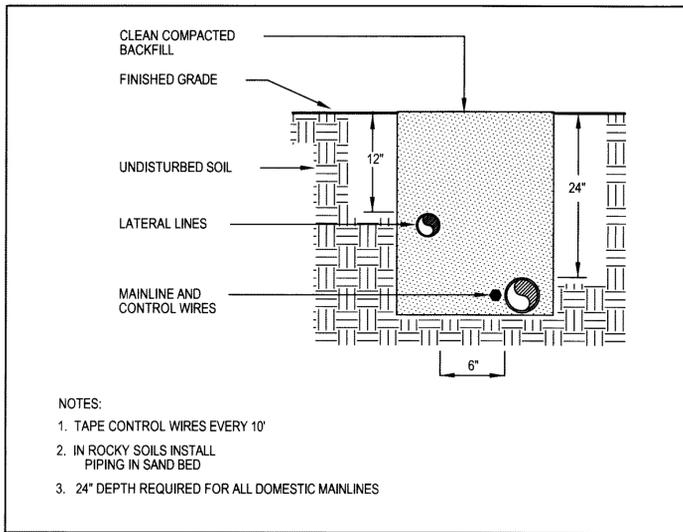
#	REVISIONS	DATE	APP.	BENCH MARK, SEA LEVEL REF.	BASIS OF BEARING

PREPARED UNDER THE DIRECT SUPERVISION OF:
 Dilesh R. Sheth 4/9/15 DATE
 DILESH R. SHETH R.C.E. 086078

ALBERT A. CIVIL ENGINEERS
 36951 COOK STREET, #103 PALM DESERT, CA 92211
 PH: (760) 568-5005 FAX: (760) 568-3443

CITY OF RANCHO MIRAGE		SHEET 1 OF 1
PROJECT DESCRIPTION	GERALD FORD DRIVE AND DA VALL DRIVE TRAFFIC SIGNAL MODIFICATION PLANS	PRIVATE REFERENCE # W.O. 15-0032
SITE ADDRESS	GERALD FORD DRIVE AND DA VALL DRIVE	CITY REFERENCE # E1100080
LEGAL DESCRIPTION	NOT APPLICABLE	
POR. S.W. 1/4, SEC. 26, T. 4 S., R. 5 E., S.B.M.		

G:\2011\11-0065 (Engineering Design)\2011-0065\STS\proj_4/2/2015\ 4-50-26PW



CONTAINER/BOX SIZE	WIDTH/DIAMETER	DEPTH
1 GALLON	12 INCHES	12 INCHES
5 GALLON	26 INCHES	22 INCHES
15 GALLON	36 INCHES	24 INCHES
24 INCH BOX	48 INCHES	28 INCHES
30 INCH BOX	54 INCHES	33 INCHES
36 INCH BOX	66 INCHES	44 INCHES
48 INCH BOX	84 INCHES	60 INCHES

BOX TREES

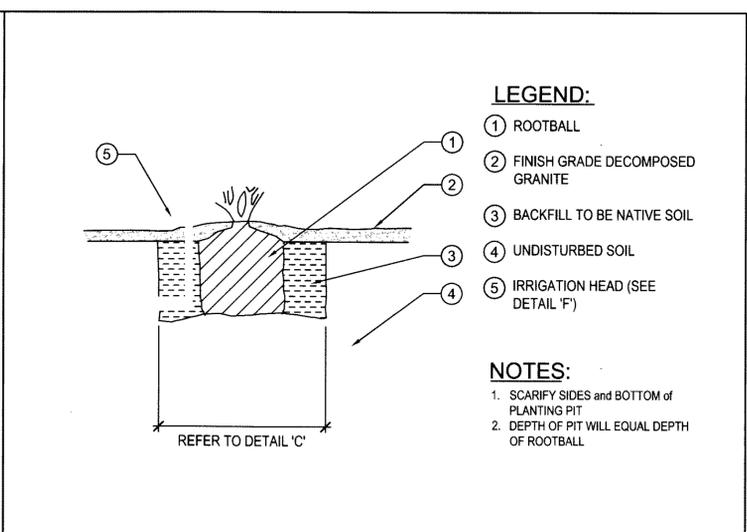
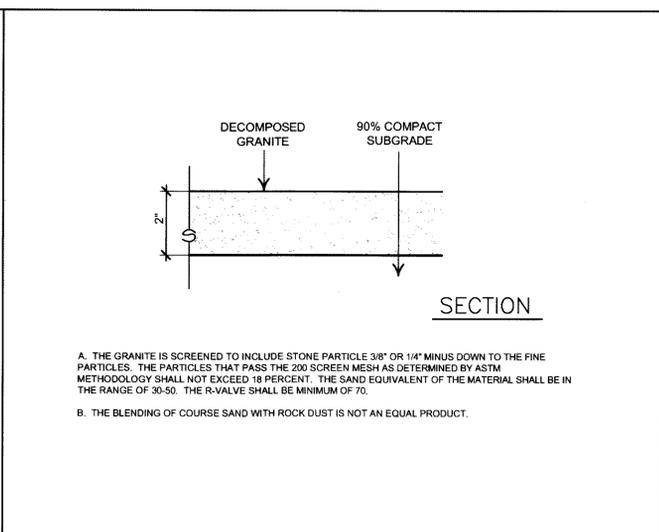
1A — PLANT PIT TO BE SQUARE, SEE CHART BELOW FOR THE PLANT PIT DIMENSIONS.

1B — ROOTBALL

CONTAINER PLANTS

2A — PLANT PIT TO BE ROUND, SEE CHART BELOW FOR THE PLANT PIT DIMENSIONS.

2B — ROOTBALL

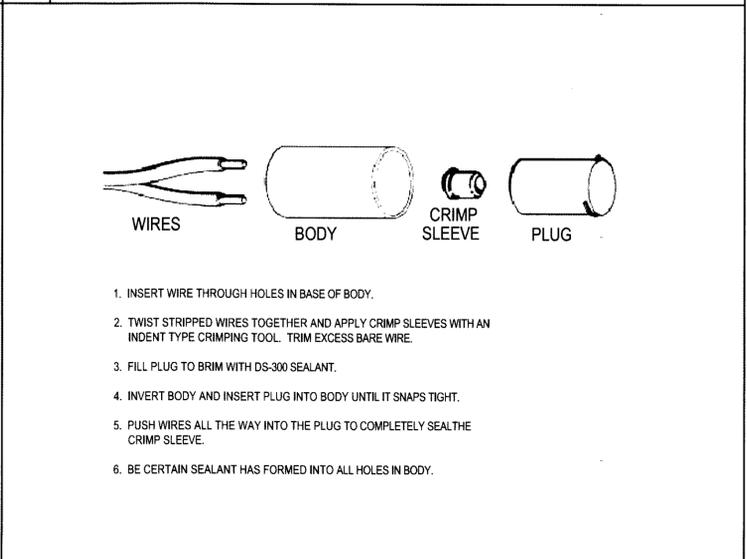
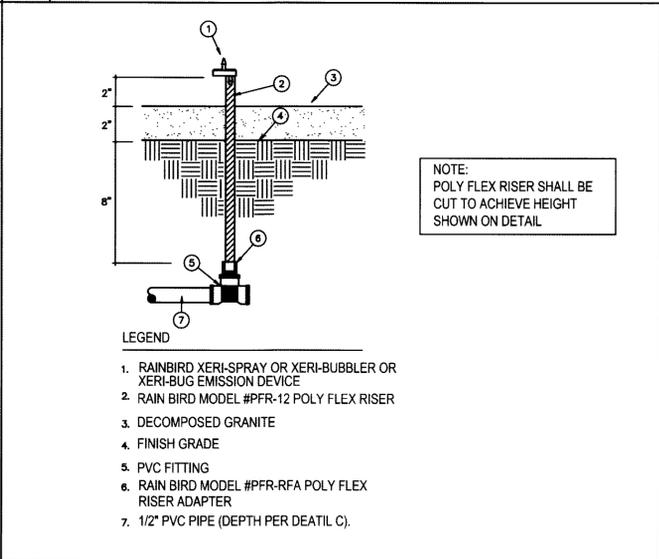
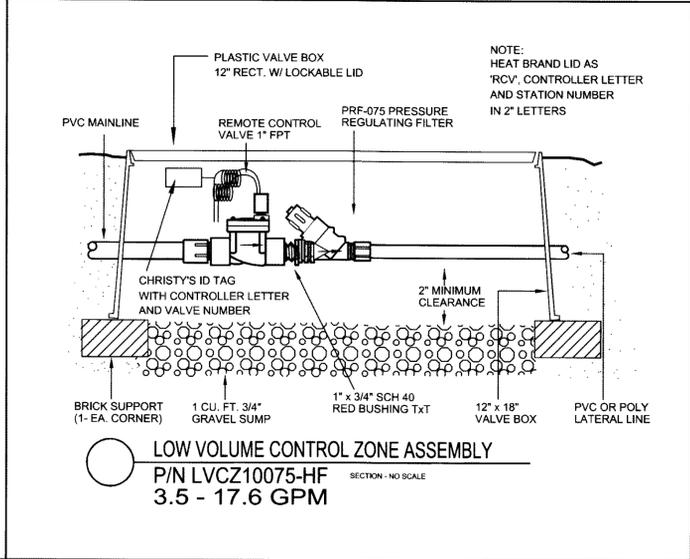
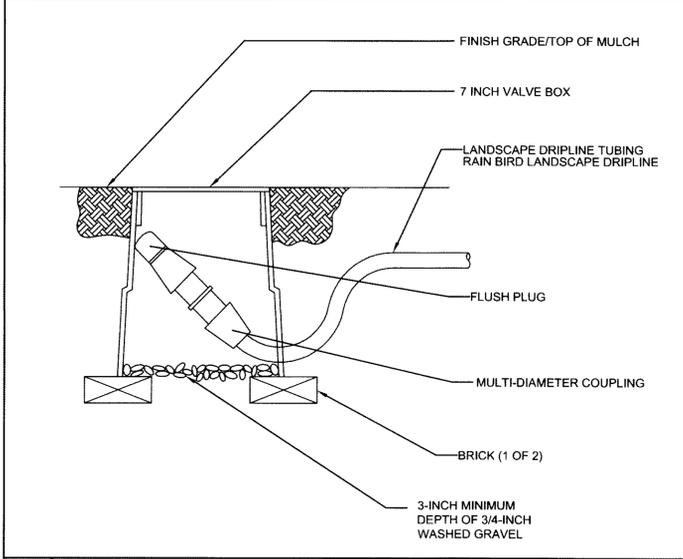


D PIPE INSTALLATION NTS

C PLANT PIT DIMENSIONS AND FERTILIZER SCHEDULE

B DECOMPOSED GRANITE NTS

A SHRUB PLANTING NTS



H FLUSH VALVE NTS

G CONTROL ZONE KIT

F DRIP EMITTER NTS

E WIRE CONNECTION NTS

GENERAL IRRIGATION NOTES

1. It is the responsibility of the irrigation Contractor to familiarize himself with all grade differences, location of wall, retaining walls, structures and utilities. The Contractor shall repair or replace, at no additional cost to the City, all items damaged by his work. The Contractor shall coordinate his work with other contractors for the location and installation of pipe sleeves and laterals through walls, under roadways and paving, etc.
2. The Contractor shall not willfully install the irrigation system as shown on the drawings when it is obvious in the field that unknown obstructions, grade differences, or differences in the area dimension exist that might not have been addressed in the design of the irrigation system. Such obstructions or differences shall be brought to the attention of the Engineer. In the event this notification is not performed, the Contractor shall assume full responsibility for any necessary alterations to the work.
3. The Contractor shall obtain, coordinate, and pay for any and all inspections as required.
4. Pipe sizes shall conform to those shown on the drawings. No substitutions of smaller pipe sizes shall be permitted, but substitutions of larger sizes may be approved. All damaged and rejected pipe shall be removed from the site at the time of said rejection.
5. All sprinkler heads shall be set perpendicular to finish grade unless otherwise specified. Drip emitters and bubblers shall be installed up slope of plant material being irrigated.
6. The Contractor shall flush and adjust all sprinkler heads and valves for optimum coverage with minimal misting and/or over spray onto walks, streets, walls, etc. Substitution of nozzle pattern or radius as required to achieve optimum coverage is responsibility of contractor.
7. All irrigation equipment not otherwise detailed or specified shall be installed as per manufacturer's recommendations and specifications.
8. The Contractor shall provide 3 sets of color coded schematics (as-builts) incased in 'Heavy Gauge' clear plastic provided for City use at the beginning of the maintenance period.

STATIC PRESSURE
THE IRRIGATION SYSTEM DESIGN IS BASED ON A MINIMUM OPERATING PRESSURE OF 75 PSI AND MAXIMUM FLOW DEMAND OF 18 GPM. THE CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION PORT OF CONNECTION TO THE ENGINEER.

IRRIGATION SYSTEM LAYOUT
DUE TO THE SCALE OF THESE DRAWINGS THE CONTRACTOR SHOULD BE AWARE OF THE POSSIBILITY THAT THE NEED FOR MINOR ADJUSTMENTS TO THE IRRIGATION SYSTEM MAY BE NECESSARY TO PROVIDE PROPER COVERAGE. THESE ADJUSTMENTS COULD INCLUDE NOZZLE CHANGES AND/OR ADDITION OR DELETION OF INDIVIDUAL HEADS TO COMPENSATE FOR CHANGES MADE ON THE SITE. THE CONTRACTOR SHALL LOCATE ALL VALVES, LATERAL LINE AND MAINLINE IN PLANTING AREAS. FURTHERMORE, THE IRRIGATION DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC., SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATIONS ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE. THE CONTRACTOR SHALL LOCATE ALL VALVES IN PLANTED AREAS.

DETECTABLE MARKING TAPE
CHRISTY'S UNDERGROUND MARKING TAPE SHALL BE RUN WITH ALL MAINLINES AND MUST BE INSTALLED AT LEAST 6" ABOVE TOP OF PIPE.

REMOTE CONTROL VALVE LABELS
ALL VALVES ARE TO BE FASTENED WITH CHRISTY'S VALVE IDENTIFICATION TAGS IDENTIFYING STATION # AND APPROPRIATE CONTROLLER IDENTIFICATION INFORMATION

POLYVINYL CHLORIDE PIPE CEMENT
IPS WELD-ON PVC 721 BLUE MEDIUM-BODIED (USE WITH 1/2" TO 1-1/2" PVC PIPE AND ALL MAIN LINES)

POLYVINYL CHLORIDE PIPE PRIMER
IPS WELD-ON P-70 PRIMER PURPLE (USE WITH ALL PVC CONNECTIONS)

"WATER CONSERVATION CONCEPT STATEMENT"
THE SYSTEM IS DESIGNED TO ACHIEVE CONSERVATION AND EFFICIENCY IN WATER USE BY PROVIDING ANTI-DRAIN VALVES, FOR LOW HEAD DRAINAGE, RAIN CHECK INTERRUPT SWITCH TO PREVENT THE SYSTEM FROM ACTIVATING WHEN RAINING. PRESSURE COMPENSATING SCREENS TO PREVENT OVERSPRAY AND REDUCE WATER USAGE IN SMALLER PLANTING AREAS. AND LOW GALLONAGE HEADS TO REDUCE WATER CONSUMPTION.

EQUIPMENT BOXES
ALL REMOTE CONTROL VALVES, BALL VALVES, ETC. SHALL BE INSTALLED IN SUITABLE TAN SUBGRADE VALVE BOXES AS SHOWN IN IRRIGATION DETAILS COMPLETE WITH LOCKING COVERS. VALVE BOXES SHALL BE CARBON BROOKS OR APPROVED EQUAL AND SHALL BE HEAT BRANDED 'B.V.' FOR BALL VALVES, 'R.C.V.' FOR REMOTE CONTROL VALVES, 'Q.C.' FOR QUICK COUPLERS, ETC. REMOTE CONTROL VALVE BOXES ARE ALSO TO BE BRANDED WITH THE STATION NUMBER. ALL MARKINGS SHALL BE 2" LETTERS AND NUMBERS.

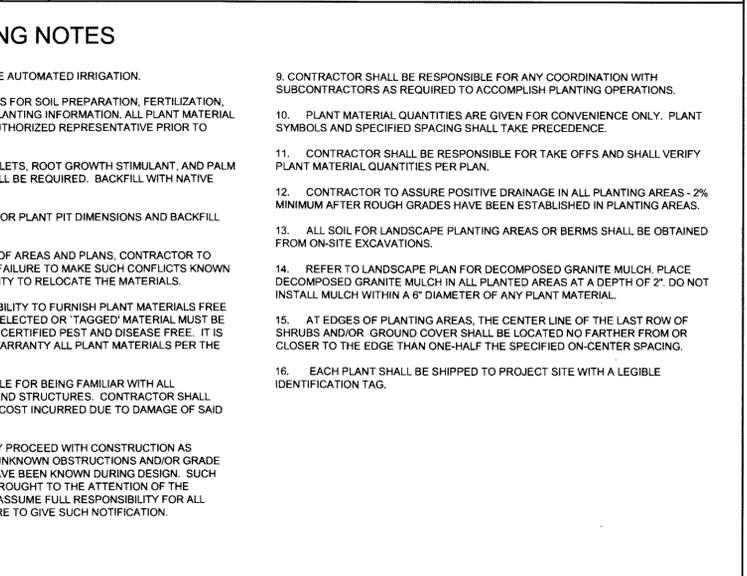
DIRECT BURIAL CONTROL WIRES
SOLID COPPER, 600 VOLT, TYPE UF)
COMMON WIRES:
WHITE (#12 AWG)

STATION WIRES
(#14 AWG) COLOR-CODED REQUIREMENTS PER CITY STANDARD. SPARE WIRES MUST BE RUN TO THE FARTHEST VALVE MANIFOLD FROM THE CONTROLLER.

WIRE SPLICES/ CONNECTORS ARE TO BE SPEARS DS-400 DRI-SPLICED (PRE-FILLED). USE EXTRA DS300 SEALANT INSIDE CONNECTORS.

GENERAL PLANTING NOTES

1. ALL LANDSCAPED AREAS TO RECEIVE AUTOMATED IRRIGATION.
2. REFER TO PLANTING SPECIFICATIONS FOR SOIL PREPARATION, FERTILIZATION, MULCHING, AND OTHER ADDITIONAL PLANTING INFORMATION. ALL PLANT MATERIAL SHALL BE APPROVED BY THE CITY'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION.
3. WITH THE EXCEPTION OF PLANT TABLETS, ROOT GROWTH STIMULANT, AND PALM TREE PLANTING, NO CONDITIONING WILL BE REQUIRED. BACKFILL WITH NATIVE SOIL ONLY.
4. SEE DETAILS AND SPECIFICATIONS FOR PLANT PIT DIMENSIONS AND BACKFILL REQUIREMENTS
5. IF CONFLICTS ARISE BETWEEN SIZE OF AREAS AND PLANS, CONTRACTOR TO NOTIFY ENGINEER FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN WILL RESULT IN CONTRACTOR'S LIABILITY TO RELOCATE THE MATERIALS.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURNISH PLANT MATERIALS FREE OF PESTS OR PLANT DISEASES. PRE-SELECTED OR 'TAGGED' MATERIAL MUST BE INSPECTED BY THE CONTRACTOR AND CERTIFIED PEST AND DISEASE FREE. IT IS THE CONTRACTOR'S OBLIGATION TO WARRANTY ALL PLANT MATERIALS PER THE SPECIFICATIONS.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR BEING FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPELINES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF SAID UTILITIES.
8. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
10. PLANT MATERIAL QUANTITIES ARE GIVEN FOR CONVENIENCE ONLY. PLANT SYMBOLS AND SPECIFIED SPACING SHALL TAKE PRECEDENCE.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR TAKE OFFS AND SHALL VERIFY PLANT MATERIAL QUANTITIES PER PLAN.
12. CONTRACTOR TO ASSURE POSITIVE DRAINAGE IN ALL PLANTING AREAS - 2% MINIMUM AFTER ROUGH GRADES HAVE BEEN ESTABLISHED IN PLANTING AREAS.
13. ALL SOIL FOR LANDSCAPE PLANTING AREAS OR BERMS SHALL BE OBTAINED FROM ON-SITE EXCAVATIONS.
14. REFER TO LANDSCAPE PLAN FOR DECOMPOSED GRANITE MULCH. PLACE DECOMPOSED GRANITE MULCH IN ALL PLANTED AREAS AT A DEPTH OF 2". DO NOT INSTALL MULCH WITHIN A 6" DIAMETER OF ANY PLANT MATERIAL.
15. AT EDGES OF PLANTING AREAS, THE CENTER LINE OF THE LAST ROW OF SHRUBS AND/OR GROUND COVER SHALL BE LOCATED NO FARTHER FROM OR CLOSER TO THE EDGE THAN ONE-HALF THE SPECIFIED ON-CENTER SPACING.
16. EACH PLANT SHALL BE SHIPPED TO PROJECT SITE WITH A LEGIBLE IDENTIFICATION TAG.



IMPORTANT NOTICE
CALL BEFORE YOU DIG
SECTION 4.16 OF THE GOVERNMENT CODE
REQUIRES AN AGENCY
IDENTIFICATION NUMBER BE
OBTAINED 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 THESE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE ENGINEER.

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 WORKLESS FROM ANY AND ALL LIABILITY, BEAR OF ALL COSTS, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

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.	BENCH MARK:
			TOP OF CURB ELEVATIONS SHOWN HEREON ARE PER GERALD FORD DR. STREET IMPROVEMENT PLANS, PLAN SET 5183.
			BASES OF BEARING: BASIS OF BEARINGS IS THE CENTERLINE OF GERALD FORD DR. BEING N89°45'30"E PER TR. 28999 AS SHOWN IN M.B. 301/29-32

David Volta Design
Landscape Architects and Park Planners

Corporate Office:
151 Kalmas Drive, Suite M8
Costa Mesa, CA 92626
714.641.1300
714.641.1323 Facsimile

PREPARED UNDER THE DIRECT SUPERVISION OF:
GARY M. VASQUEZ
R.L.A. 3883
EXP. 02/17

DATE: 2.9.15

RECOMMENDED FOR APPROVAL BY:
LELAND E. COLE, SR., CIVIL ENGR.
R.C.E. 47159, EXP. 12/31/15

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

CITY OF RANCHO MIRAGE

GERALD FORD DR. AT
TROVARE WAY
LEFT TURN POCKET
LANDSCAPE & IRRIGATION SHEET
CP 12-272

POR. N.W. 1/4, SEC. 36, T. 4 S., R. 5 E., S.B.M.

SHEET 11
OF 11

PRIVATE REFERENCE # 118.134
CITY REFERENCE # E1400290

IRRIGATION LEGEND

DRIP EMITTER							
SYMBOL	MANUFACTURER/ DESCRIPTION	MODEL	RAD	HOUSING	GPM	PSI	REMARKS
●	RAINBIRD XERI-BUG EMITTER	XB-10PC-1032	NA	24" PFR-FRA POLYFLEX RISER AND ADAPTER	1.00 (GPH)	30	ONE EMITTER PER SHRUB

MISC. MATERIAL

SYMBOL	MANUFACTURER/ DESCRIPTION	COMMENTS
⊕	RAINBIRD - CONTROL ZONE KIT XCZ-075-PRF-BF	CARSON #1324 W/ FLUSH COVER AND L-BOLT LOCK
⊕	NIBCO - LINE SIZE BRASS BALL VALVE	CARSON #1220 W/ FLUSH COVER AND L-BOLT LOCK
----	NEW IRRIGATION MAINLINE	MATCH EXISTING MAINLINE
----	EXISTING IRRIGATION MAINLINE	
----	NEW LATERAL LINE	SCHEDULE 40 PVC - SIZE PER PLAN
----	EXISTING LATERAL LINE	
=====	PIPE SLEEVE	REFER TO CIVIL DRAWINGS

PIPE SIZING LEGEND

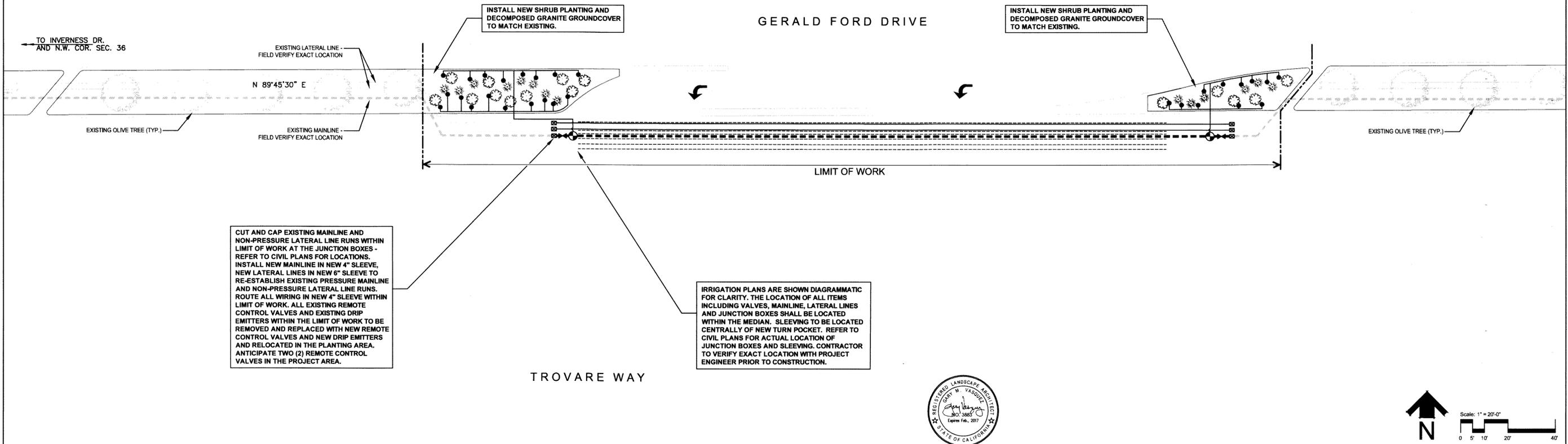
LETTER	PIPE SIZE	GPM RANGE
A	3/4" SCH 40 PVC	(0-8 GPM)
B	1" SCH 40 PVC	(8-12 GPM)
C	1-1/4" SCH 40 PVC	(12-22 GPM)
D	1-1/2" SCH 40 PVC	(22-30 GPM)
E	2" SCH 40 PVC	(30-50 GPM)

PLANTING LEGEND

SHRUBS & GROUNDCOVERS						
SYMBOL	ABB	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	PLANT FACTOR WATER REQUIREMENT
☼	CAL LIT	CALLISTEMON 'LITTLE JOHN'	DWARF BOTTLEBRUSH	14	5 GAL	MEDIUM - 0.5
☼	LAN NEW	LANTANA 'NEW GOLD'	SPREADING YELLOW LANTANA	15	5 GAL	MEDIUM - 0.5

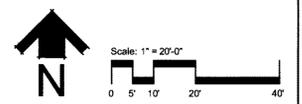
TREE RELOCATION NOTES:

1. THE CONTRACTOR WILL BE RESPONSIBLE TO MOVE FIVE (5) OLIVE TREES TO A NEW LOCATION APPROXIMATELY 1000 FEET FROM THEIR CURRENT SPOT. THE FINAL PLACEMENT OF EACH TREE WILL BE DETERMINED BY THE CITY.
2. THE CONTRACTOR WILL BE RESPONSIBLE TO RETAIN A TREE MOVING EXPERT AND/OR A CALIFORNIA CERTIFIED ARBORIST. PAYMENT FOR THESE PROFESSIONAL SERVICES SHALL BE INCLUDED IN OTHER ITEMS OF WORK AND NO ADDITIONAL COMPENSATION WILL BE MADE THEREFOR.
3. A TREE MOVING EXPERT AND/OR CALIFORNIA CERTIFIED ARBORIST WILL BE PRESENT DURING THE TREE LOCATION PROCESS, INCLUDING THE DIGGING OF EACH TREE, THE BOXING OR WRAPPING OF EACH ROOTBALL, THE LOADING, TRANSPORTING, UNLOADING OF EACH TREE AND THE RE-PLANTING OF EACH TREE.
4. PRIOR TO THE DIGGING OF EACH TREE, THE DIG SITE SHALL BE PREPARED TO THE SATISFACTION OF THE CERTIFIED ARBORIST. THIS INCLUDES, BUT IS NOT LIMITED TO, THE SOIL MOISTURE CONTENT, THE SIZE AND DEPTH OF THE TREE'S ROOTBALL AND THE METHOD OF TRANSPORT.
5. ROOT PRUNING SHALL BE DONE UNDER THE SUPERVISION AND ADVICE OF THE ARBORIST.
6. RELOCATED TREES SHALL BE MOVED AND PLANTED AS SOON AS POSSIBLE AFTER DIGGING A PRE-DUG HOLE.
7. TREES SHALL BE TRANSPORTED WITH CARE TAKEN TO PREVENT DAMAGE. BRANCHES SHALL BE CAREFULLY TIED IN SUCH A MANNER SO AS NOT TO BREAK OR DAMAGE TRUNKS. POINTS OF CONTACT WITH EQUIPMENT SHALL BE PADDED.
8. ANY AND ALL EXISTING IRRIGATION EQUIPMENT DAMAGED AS A RESULT OF THE TREE REMOVAL PROCESS IS TO BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY.



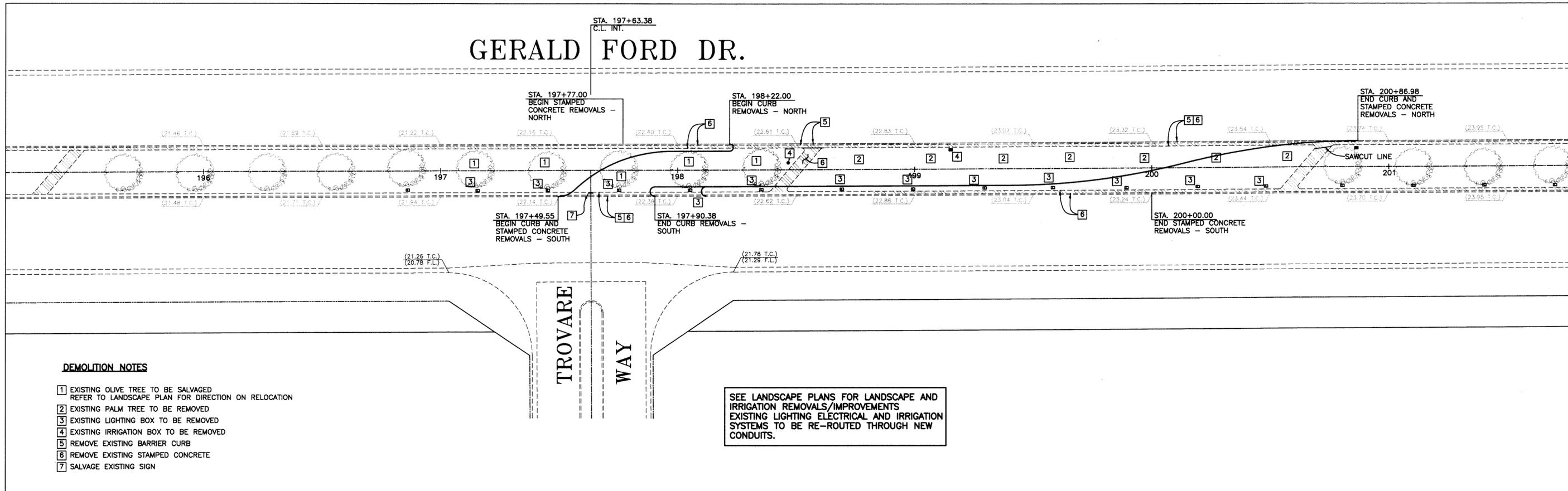
CUT AND CAP EXISTING MAINLINE AND NON-PRESSURE LATERAL LINE RUNS WITHIN LIMIT OF WORK AT THE JUNCTION BOXES - REFER TO CIVIL PLANS FOR LOCATIONS. INSTALL NEW MAINLINE IN NEW 4" SLEEVE, NEW LATERAL LINES IN NEW 6" SLEEVE TO RE-ESTABLISH EXISTING PRESSURE MAINLINE AND NON-PRESSURE LATERAL LINE RUNS. ROUTE ALL WIRING IN NEW 4" SLEEVE WITHIN LIMIT OF WORK. ALL EXISTING REMOTE CONTROL VALVES AND EXISTING DRIP EMITTERS WITHIN THE LIMIT OF WORK TO BE REMOVED AND REPLACED WITH NEW REMOTE CONTROL VALVES AND NEW DRIP EMITTERS AND RELOCATED IN THE PLANTING AREA. ANTICIPATE TWO (2) REMOTE CONTROL VALVES IN THE PROJECT AREA.

IRRIGATION PLANS ARE SHOWN DIAGRAMMATIC FOR CLARITY. THE LOCATION OF ALL ITEMS INCLUDING VALVES, MAINLINE, LATERAL LINES AND JUNCTION BOXES SHALL BE LOCATED WITHIN THE MEDIAN. SLEEVING TO BE LOCATED CENTRALLY OF NEW TURN POCKET. REFER TO CIVIL PLANS FOR ACTUAL LOCATION OF JUNCTION BOXES AND SLEEVING. CONTRACTOR TO VERIFY EXACT LOCATION WITH PROJECT ENGINEER PRIOR TO CONSTRUCTION.



<p>IMPORTANT NOTICE CALL BEFORE YOU DIG SECTION 4109 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE OBTAINED BEFORE A PERMIT TO DIG CAN BE ISSUED. FOR YOUR PROTECTION, CALL 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 ENGINEER OF THESE PLANS.</p> <p>ENGINEER'S NOTE TO CONTRACTOR: CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH REASONABLY 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 UTILITIES 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>BENCH MARK: TOP OF CURB ELEVATIONS SHOWN HEREON ARE PER GERALD FORD DR. STREET IMPROVEMENT PLANS, PLAN SET STB3.</p> <p>BASES OF BEARING: BASES OF BEARINGS IS THE CENTERLINE OF GERALD FORD DR. BEING N89°45'30"E PER TR. 28999 AS SHOWN IN M.B. 301/29-32</p>	<p>OWNER'S NAME, ADDRESS, AND PHONE NUMBER CITY OF RANCHO MIRAGE 69-825 HIGHWAY 111 RANCHO MIRAGE, CA 92270 (760) 770-3224</p>	<p>PREPARED UNDER THE DIRECT SUPERVISION OF: GARY M. VASQUEZ R.L.A. 3885 EXP. 02/17</p> <p>DATE: 2-9-15</p>	<p>RECOMMENDED FOR APPROVAL BY: LELAND E. COLE, SR., CIVIL ENGR. R.C.E. 47199, EXP. 12/31/15</p> <p>APPROVED BY CITY OF RANCHO MIRAGE: WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/15</p> <p>DATE: 2/20/15</p>	<p>CITY OF RANCHO MIRAGE GERALD FORD DR. AT TROVARE WAY LEFT TURN POCKET LANDSCAPE & IRRIGATION SHEET CP 12-272 POR. N.W. 1/4, SEC. 36, T. 4 S., R. 5 E., S.B.M.</p>	<p>SHEET 10 OF 11 PRIVATE REFERENCE # 118.134 CITY REFERENCE # E1400290</p>
			#	REVISIONS	DATE	APP.										
<p>UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600</p>																

GERALD FORD DR.

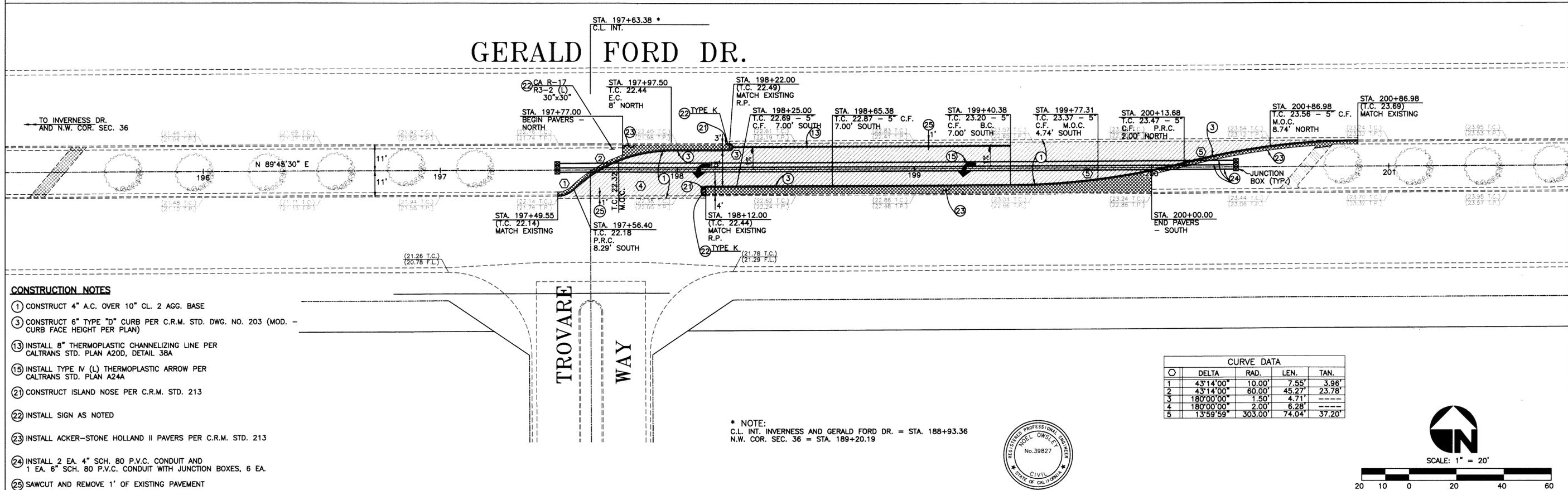


DEMOLITION NOTES

- 1 EXISTING OLIVE TREE TO BE SALVAGED
REFER TO LANDSCAPE PLAN FOR DIRECTION ON RELOCATION
- 2 EXISTING PALM TREE TO BE REMOVED
- 3 EXISTING LIGHTING BOX TO BE REMOVED
- 4 EXISTING IRRIGATION BOX TO BE REMOVED
- 5 REMOVE EXISTING BARRIER CURB
- 6 REMOVE EXISTING STAMPED CONCRETE
- 7 SALVAGE EXISTING SIGN

SEE LANDSCAPE PLANS FOR LANDSCAPE AND IRRIGATION REMOVALS/IMPROVEMENTS
EXISTING LIGHTING ELECTRICAL AND IRRIGATION SYSTEMS TO BE RE-ROUTED THROUGH NEW CONDUITS.

GERALD FORD DR.

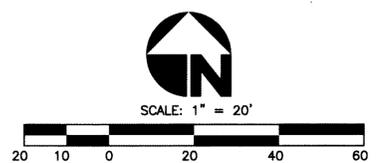


CONSTRUCTION NOTES

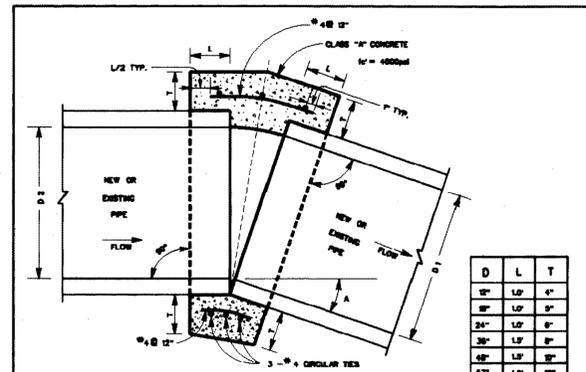
- 1 CONSTRUCT 4" A.C. OVER 10" CL. 2 AGG. BASE
- 3 CONSTRUCT 6" TYPE "D" CURB PER C.R.M. STD. DWG. NO. 203 (MOD. - CURB FACE HEIGHT PER PLAN)
- 13 INSTALL 8" THERMOPLASTIC CHANNELIZING LINE PER CALTRANS STD. PLAN A20D, DETAIL 38A
- 15 INSTALL TYPE IV (L) THERMOPLASTIC ARROW PER CALTRANS STD. PLAN A24A
- 21 CONSTRUCT ISLAND NOSE PER C.R.M. STD. 213
- 22 INSTALL SIGN AS NOTED
- 23 INSTALL ACKER-STONE HOLLAND II PAVERS PER C.R.M. STD. 213
- 24 INSTALL 2 EA. 4" SCH. 80 P.V.C. CONDUIT AND 1 EA. 6" SCH. 80 P.V.C. CONDUIT WITH JUNCTION BOXES, 6 EA.
- 25 SAWCUT AND REMOVE 1' OF EXISTING PAVEMENT

CURVE DATA				
Δ	DELTA	RAD.	LEN.	TAN.
1	43°14'00"	10.00'	7.55'	3.96'
2	43°14'00"	60.00'	45.27'	23.78'
3	180°00'00"	1.50'	4.71'	---
4	180°00'00"	2.00'	6.28'	---
5	13°59'59"	303.00'	74.04'	37.20'

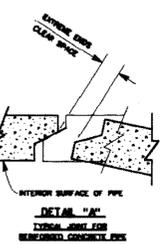
* NOTE:
C.L. INT. INVERNESS AND GERALD FORD DR. = STA. 188+93.36
N.W. COR. SEC. 36 = STA. 189+20.19



<p>IMPORTANT NOTICE CALL BEFORE YOU DIG SYSTEM 415 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE MAILED. FOR YOUR PRE-EXAMINATION 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 ANY 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 BEING INDEMNIFIED AND HELD HARMLESS FROM AND AGAINST ALL SUCH CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, 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 CHANGE 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>BENCH MARK: TOP OF CURB ELEVATIONS SHOWN HEREON ARE PER GERALD FORD DR. STREET IMPROVEMENT PLANS, PLAN SET STB3.</p> <p>BASIS OF BEARING: BASIS OF BEARINGS IS THE CENTERLINE OF GERALD FORD DR. BEING N89°45'30"E PER TR. 28999 AS SHOWN IN M.B. 301/29-32</p>	<p>NRO Engineering 41-945 Boardwalk, S. H Palm Desert, California 92211 (760) 346-3250 (760) 346-1754 (FAX) OWNER'S NAME, ADDRESS AND PHONE NUMBER CITY OF RANCHO MIRAGE 69-825 HIGHWAY 111 RANCHO MIRAGE, CA 92270 (760) 770-3224</p>	<p>PREPARED UNDER THE DIRECT SUPERVISION OF: <i>Noel Owsley</i> NOEL OWSELEY R.C.E. 39827 EXP. 12/31/15</p>	<p>RECOMMENDED FOR APPROVAL BY: <i>Leland E. Cole</i> LELAND E. COLE, SR., CIVIL ENGR. R.C.E. 47159, EXP. 12/31/15 APPROVED BY CITY OF RANCHO MIRAGE: <i>William A. Engos</i> WILLIAM A. ENGOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/15</p>	<p>CITY OF RANCHO MIRAGE GERALD FORD DR. AT TROVARE WAY LEFT TURN POCKET PLAN SHEET CP 12-272 POR. N.W. 1/4, SEC. 36, T. 4 S., R. 5 E., S.B.M.</p>	<p>SHEET 9 OF 11 PRIVATE REFERENCE # 118.134 CITY REFERENCE # E1400290</p>
			#	REVISIONS	DATE	APP.										
<p>REVISIONS</p>																



- NOTES**
- A CONCRETE COLLAR IS REQUIRED WHERE THE CHANGE IN GRADE EXCEEDS 0.50 FT. PER FOOT, OR F CHANGE IN ALIGNMENT EXCEEDS 0.50 FT. PER FOOT.
 - IF THE EXTREME ENDS OF THE PIPE LEAVE A CLEAR SPACE THAT IS GREATER THAN 4", BUT LESS THAN 8", A CONCRETE COLLAR IS REQUIRED (SEE DETAIL, A THIS SHEET). IF THE CLEAR SPACE IS 8" OR GREATER, A TRANSITION STRUCTURE IS REQUIRED.
 - CONCRETE COLLAR SHALL NOT BE USED FOR A SIZE CHANGE ON THE MAIN LINE.
 - WHERE PIPES OF DIFFERENT DIAMETERS ARE JOINED WITH A CONCRETE COLLAR, L AND T SHALL BE THOSE OF THE LARGER PIPE, D=1, OR D₂, WHICHEVER IS GREATER.
 - FOR PIPE LARGER THAN 60" A SPECIAL COLLAR DETAIL IS REQUIRED.
 - FOR PIPE SIZE NOT LISTED USE THE NEXT SIZE LARGER.
 - CHIT REINFORCING ON PIPES 24" AND LESS IN DIAMETER AND ON ALL PIPES WHERE ANGLE A IS LESS THAN 10°.
 - WHERE REINFORCING IS REQUIRED THE DIAMETER OF THE CHOLLAR TIES SHALL BE D = 1/2 X WALL THICKNESS + 8".
 - WHEN D₁ IS EQUAL TO OR LESS THAN D₂, ON INVERTS AND WHEN D₁ IS GREATER THAN D₂, ON SLOTTES.
 - PIPE MAY BE CORRUGATED METAL PIPE, CONCRETE PIPE, OR REINFORCED CONCRETE PIPE.

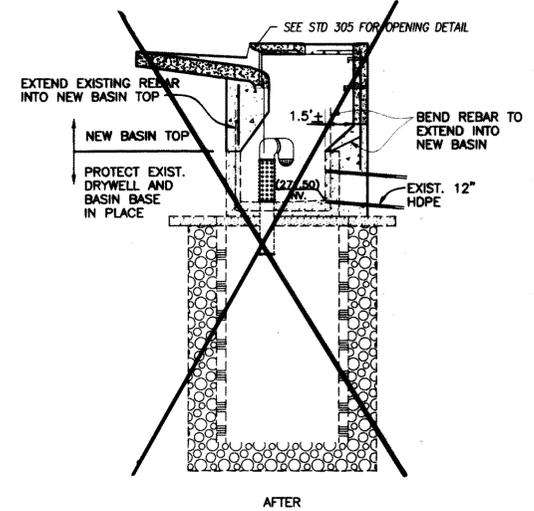
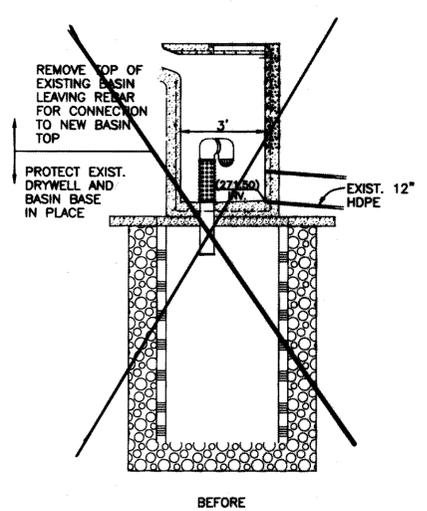


ENGINEER QUALITY FIELD CONTROL AND UNDER SUPERVISION SUBJECT

APPROVED BY: *[Signature]*

DATE:

CONCRETE COLLAR FOR PIPE 12 INCHES THROUGH 66 INCHES STANDARD DRAWING NUMBER 1803



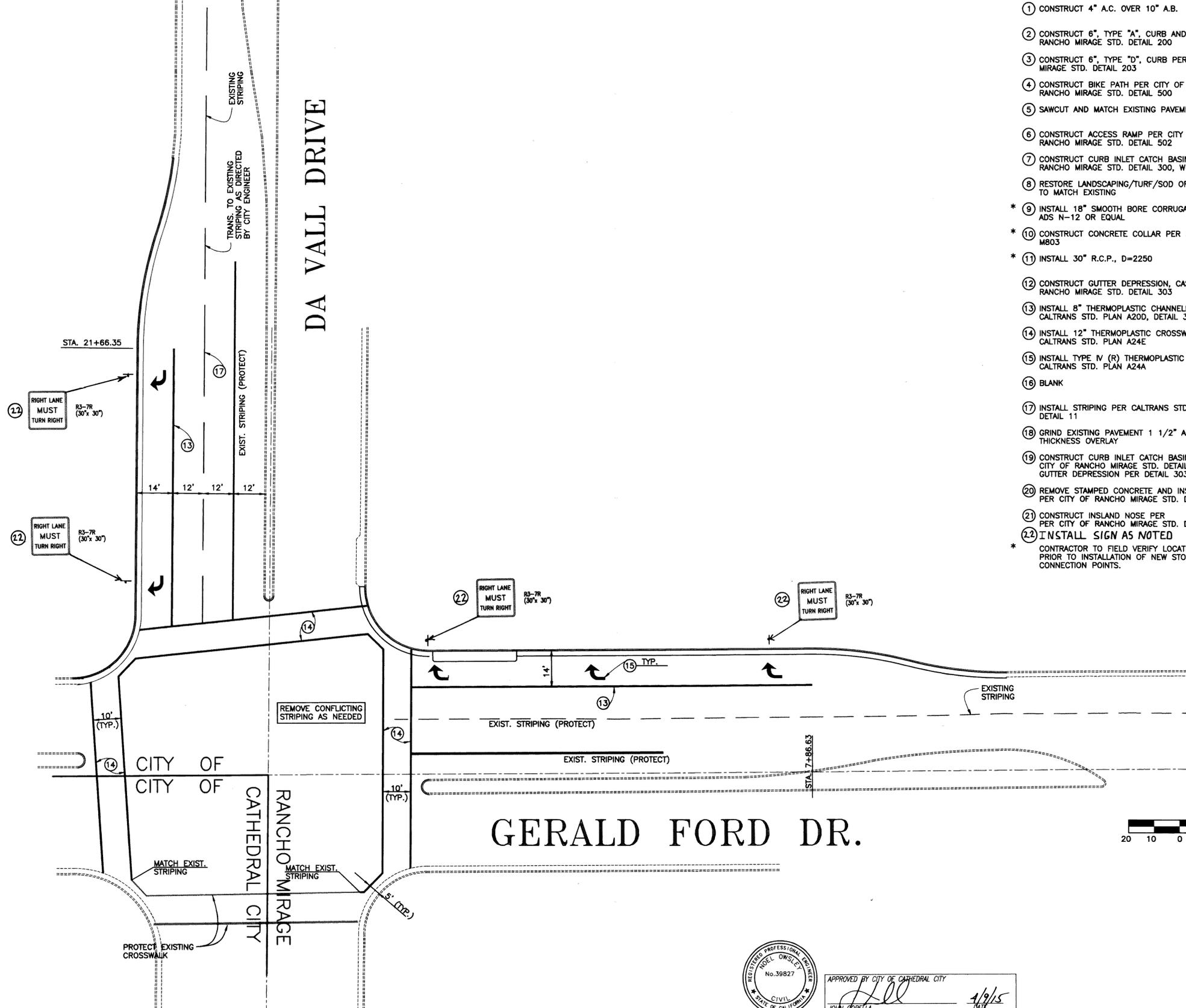
BASIN DETAIL



<p>IMPORTANT NOTICE CALL BEFORE YOU DIG</p> <p>SECTION 4216 OF THE GOVERNMENT CODE REQUIRES AN INQUIRY RECONSTRUCTION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE MAILED FOR YOUR PRE-EXCAVATION LIAISON 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 THEREBY WAIVES TO DESIGN, DESIGN AND HOLD 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.</p> <p>THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS HAVE BEEN 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>BENCH MARK: R.M. 05 ELEV. 278.20 (NAVD 88)</p> <p>2 1/2" BRASS DISC IN THE NORTHEAST CORNER OF STORM DRAIN INLET AT THE NORTHEAST CORNER OF GERALD FORD DR. AND DA VALL DR.</p> <p>BASES OF BEARING BASIS OF BEARINGS IS THE CENTERLINE OF GERALD FORD DR. BEING N89°41'02"E PER TR. 6579 AS SHOWN IN M.B. 82/78-82</p>	<p>NRO Engineering</p> <p>41-945 Boardwalk, S. H Palm Desert, California 92211 (760) 346-3250 (760) 346-1754 (FAX)</p> <p>CITY OF RANCHO MIRAGE 69-825 HIGHWAY 111 RANCHO MIRAGE, CA 92270 (760) 770-3224</p>	<p>PREPARED UNDER THE DIRECT SUPERVISION OF:</p> <p><i>[Signature]</i> A. 015 MICHEL OWSLEY R.C.E. 39827 EXP. 12/31/15</p>	<p>RECOMMENDED FOR APPROVAL BY:</p> <p><i>[Signature]</i> 4/9/15 GERRARD E. COLE, SR. CIVIL ENGR. R.C.E. 47158, EXP. 12/31/15</p> <p>APPROVED BY CITY OF RANCHO MIRAGE:</p> <p><i>[Signature]</i> 5/1/15 WILLIAM A. ENOS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/15</p>	<p>CITY OF RANCHO MIRAGE</p> <p>GERALD FORD DR. AT DA VALL DR. STREET PLANS DETAIL SHEET</p> <p>POR. S.W. 1/4, SEC. 26, T. 4 S., R. 5 E., S.B.M.</p>	<p>SHEET 7</p>
			#	REVISIONS	DATE	APP.																		
<p>OF 11</p>	<p>PRIVATE REFERENCE / 118.134</p> <p>CITY REFERENCE / E1400290</p>																							

CONSTRUCTION NOTES

- ① CONSTRUCT 4" A.C. OVER 10" A.B.
- ② CONSTRUCT 6", TYPE "A", CURB AND GUTTER PER CITY OF RANCHO MIRAGE STD. DETAIL 200
- ③ CONSTRUCT 6", TYPE "D", CURB PER CITY OF RANCHO MIRAGE STD. DETAIL 203
- ④ CONSTRUCT BIKE PATH PER CITY OF RANCHO MIRAGE STD. DETAIL 500
- ⑤ SAWCUT AND MATCH EXISTING PAVEMENT
- ⑥ CONSTRUCT ACCESS RAMP PER CITY OF RANCHO MIRAGE STD. DETAIL 502
- ⑦ CONSTRUCT CURB INLET CATCH BASIN PER CITY OF RANCHO MIRAGE STD. DETAIL 300, W=21', H=8.70'
- ⑧ RESTORE LANDSCAPING/TURF/SOD OR ROCK TO MATCH EXISTING
- * ⑨ INSTALL 18" SMOOTH BORE CORRUGATED HDPE PIPE, ADS N-12 OR EQUAL
- * ⑩ CONSTRUCT CONCRETE COLLAR PER RIV. CO. FLOOD CONT. DIST. M803
- * ⑪ INSTALL 30" R.C.P., D=2250
- ⑫ CONSTRUCT GUTTER DEPRESSION, CASE C, PER CITY OF RANCHO MIRAGE STD. DETAIL 303
- ⑬ INSTALL 8" THERMOPLASTIC CHANNELIZING LINE PER CALTRANS STD. PLAN A20D, DETAIL 38A
- ⑭ INSTALL 12" THERMOPLASTIC CROSSWALK PER CALTRANS STD. PLAN A24E
- ⑮ INSTALL TYPE IV (R) THERMOPLASTIC ARROW PER CALTRANS STD. PLAN A24A
- ⑯ BLANK
- ⑰ INSTALL STRIPING PER CALTRANS STD. PLAN A20A, DETAIL 11
- ⑱ GRIND EXISTING PAVEMENT 1 1/2" AND INSTALL VARIABLE THICKNESS OVERLAY
- ⑲ CONSTRUCT CURB INLET CATCH BASIN, W=7', PER CITY OF RANCHO MIRAGE STD. DETAIL 300 WITH GUTTER DEPRESSION PER DETAIL 303 (SEE SH. 7)
- ⑳ REMOVE STAMPED CONCRETE AND INSTALL PAVERS PER CITY OF RANCHO MIRAGE STD. DETAIL 213
- ㉑ CONSTRUCT ISLAND NOSE PER CITY OF RANCHO MIRAGE STD. DETAIL 213
- ㉒ **INSTALL SIGN AS NOTED**
- * CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING STORM DRAINS PRIOR TO INSTALLATION OF NEW STORM DRAIN TO VERIFY DESIGN/ CONNECTION POINTS.



IMPORTANT NOTICE
 CALL BEFORE YOU DIG
 SECTION 416 OF THE GOVERNMENT CODE
 REQUIRES AN INDUSTRY
 IDENTIFICATION NUMBER BE
 ISSUED BEFORE A PERMIT TO
 EXCAVATE WILL BE VALUED. 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.

BENCH MARK: R.M. 05 ELEV. 278.20 (NAVD 88)
 2 1/2" BRASS DISC IN THE NORTHEAST CORNER OF STORM DRAIN INLET AT THE NORTHEAST CORNER OF GERALD FORD DR. AND DA VALL DR.
 BASIS OF BEARING:
 BASIS OF BEARINGS IS THE CENTERLINE OF GERALD FORD DR. BEARING N88°41'02"E PER TR. 6579 AS SHOWN IN N.M.B. 82/78-B2

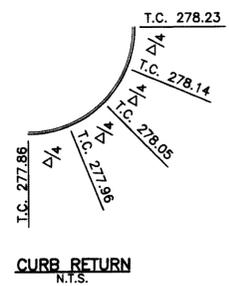
NRO Engineering
 41-945 Boardwalk, S. H
 Palm Desert, California 92211
 (760) 346-3250 (760) 346-1754 (FAX)
OWNERS' NAME, ADDRESS, AND PHONE NUMBER
 CITY OF RANCHO MIRAGE
 69-825 HIGHWAY 111
 RANCHO MIRAGE, CA 92270
 (760) 770-3224

PREPARED UNDER THE DIRECT SUPERVISION OF:
 Noel Owsley
 R.C.E. 39827
 DATE: 4.8.15
 EXP. 12/31/15

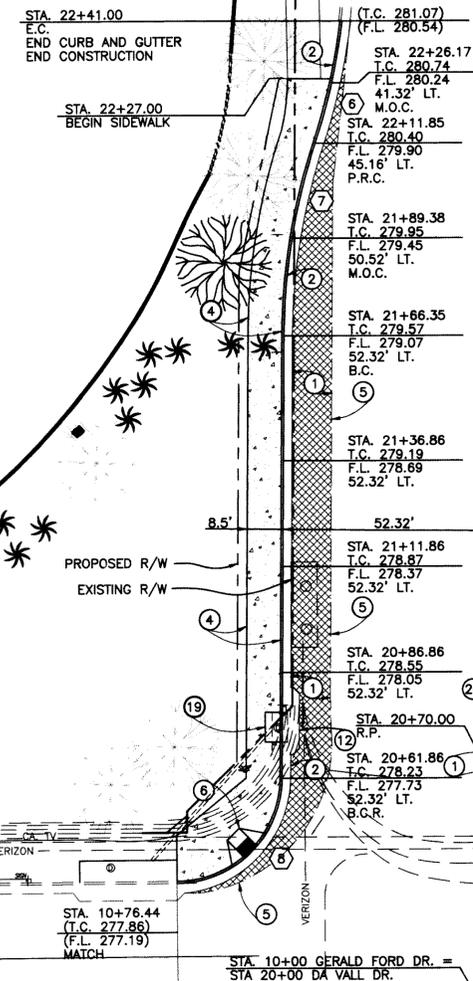
APPROVED BY CITY OF CATHEDRAL CITY
 John Dorella
 R.C.E. 54585
 DATE: 4/9/15
 RECOMMENDED FOR APPROVAL BY:
 Richard E. Cole
 R.C.E. 47159, EXP. 12/31/15
 DATE: 4/8/15
 APPROVED BY CITY OF RANCHO MIRAGE:
 William A. Enos, City Engineer
 R.C.E. 43910, EXP. 6/30/15
 DATE: 5/1/15

CITY OF RANCHO MIRAGE
 GERALD FORD DR. AT
 DA VALL DR. STREET PLANS
 STRIPING PLAN
 POR. S.W. 1/4, SEC. 26, T. 4 S., R. 5 E., S.B.M.

SHEET 6
 OF 11
 PRIVATE REFERENCE # 118.134
 CITY REFERENCE # E1400290



CURB RETURN
N.T.S.



DA VALL DRIVE

GERALD FORD DR.

CONSTRUCTION NOTES

- ① CONSTRUCT 4" A.C. OVER 10" A.B.
 - ② CONSTRUCT 6", TYPE "A", CURB AND GUTTER PER CITY OF RANCHO MIRAGE STD. DETAIL 200
 - ③ CONSTRUCT 6", TYPE "D", CURB PER CITY OF RANCHO MIRAGE STD. DETAIL 203
 - ④ CONSTRUCT BIKE PATH PER CITY OF RANCHO MIRAGE STD. DETAIL 500
 - ⑤ SAWCUT AND MATCH EXISTING PAVEMENT
 - ⑥ CONSTRUCT ACCESS RAMP PER CITY OF RANCHO MIRAGE STD. DETAIL 502
 - ⑦ CONSTRUCT CURB INLET CATCH BASIN PER CITY OF RANCHO MIRAGE STD. DETAIL 300, W=21', H=8.70'
 - ⑧ RESTORE LANDSCAPING/TURF/SOD OR ROCK TO MATCH EXISTING
 - * ⑨ INSTALL 18" SMOOTH BORE CORRUGATED HDPE PIPE, ADS N-12 OR EQUAL
 - * ⑩ CONSTRUCT CONCRETE COLLAR PER RIV. CO. FLOOD CONT. DIST. M803 (SEE SHT. 7)
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 - ⑫ CONSTRUCT GUTTER DEPRESSION, CASE C, PER CITY OF RANCHO MIRAGE STD. DETAIL 303
 - ⑬ INSTALL 8" THERMOPLASTIC CHANNELIZING LINE PER CALTRANS STD. PLAN A20D, DETAIL 38A
 - ⑭ INSTALL 12" THERMOPLASTIC CROSSWALK PER CALTRANS STD. PLAN A24E
 - ⑮ INSTALL TYPE IV (R) THERMOPLASTIC ARROW PER CALTRANS STD. PLAN A24A
 - ⑯ BLANK
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 - ⑲ CONSTRUCT CURB INLET CATCH BASIN, W=7', PER CITY OF RANCHO MIRAGE STD. DETAIL 300 WITH GUTTER DEPRESSION PER DETAIL 303 (SEE SHT. 7)
 - ⑳ REMOVE 8' (MIN.) STAMPED CONCRETE AND INSTALL PAVERS PER CITY OF RANCHO MIRAGE STD. DETAIL 213
 - ㉑ CONSTRUCT MEDIAN ISLAND NOSE PER CITY OF RANCHO MIRAGE STD. DETAIL 213
- * CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING STORM DRAINS PRIOR TO INSTALLATION OF NEW STORM DRAIN TO VERIFY DESIGN/ CONNECTION POINTS.



SCALE: 1" = 20'

CURVE DATA			
DELTA	RAD.	LEN.	TAN.
4	180°00'00"	2.00'	6.28'
6	11°28'18"	148.14'	29.86'
7	17°53'12"	149.14'	45.25'
8	89°17'12"	25.00'	38.96'

IMPORTANT NOTICE
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SECTION 4216 OF THE GOVERNMENT CODE
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ISSUED BEFORE A PERMIT TO
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YOUR PRE-EXCAVATION LOG NUMBER CALL
UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

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#	REVISIONS	DATE	APP.

NRO Engineering
41-945 Boardwalk, S. H
Palm Desert, California 92211
(760) 346-3250 (760) 346-1754 (FAX)
OWNER'S NAME, ADDRESS, AND PHONE NUMBER
CITY OF RANCHO MIRAGE
69-825 HIGHWAY 111
RANCHO MIRAGE, CA 92270
(760) 770-3224

PREPARED UNDER THE DIRECT SUPERVISION OF:
Noel Owsley
NOEL OWSLEY
R.C.E. 39827
DATE: 4/8/15
EXP. 12/31/15

APPROVED BY CITY OF CATHEDRAL CITY
Holl
JOHN CORRELLA
R.C.E. 54585
DATE: 4/9/15

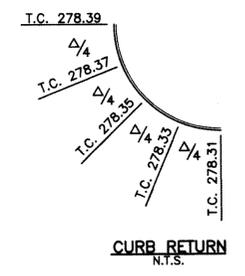
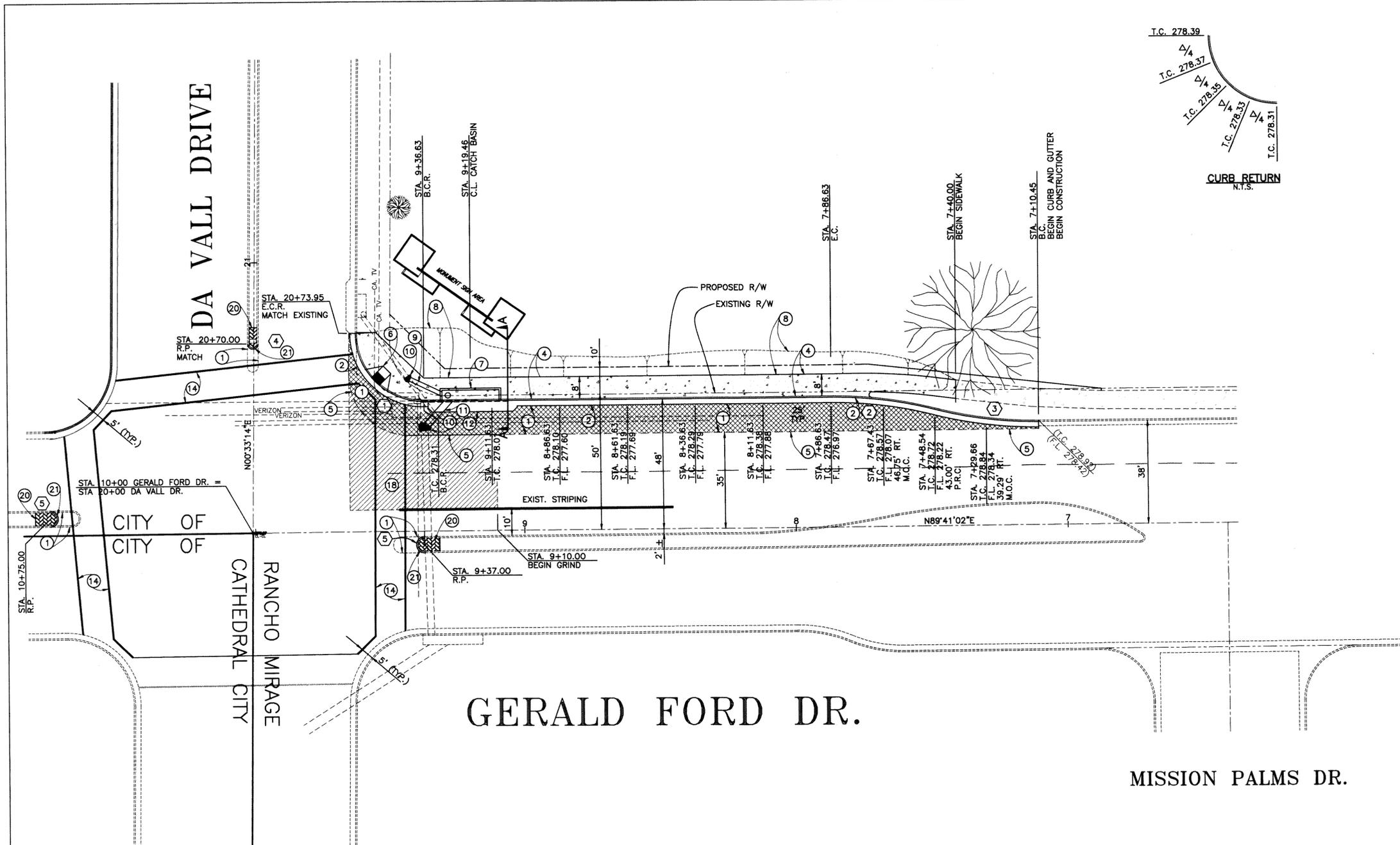
RECOMMENDED FOR APPROVAL BY:
Leland E. Cole
LELAND E. COLE, SR. CIVIL ENGR.
R.C.E. 47159, EXP. 12/31/15
DATE: 4/9/15

APPROVED BY CITY OF RANCHO MIRAGE:
William A. Enos
WILLIAM A. ENOS, CITY ENGINEER
R.C.E. 43910, EXP. 6/30/15
DATE: 5/1/15

CITY OF RANCHO MIRAGE
GERALD FORD DR. AT
DA VALL DR. STREET PLANS
IMPROVEMENT PLAN

SHEET	5
OF	11
PRIVATE REFERENCE #	118.134
CITY REFERENCE #	E1400290

POR. S.W. 1/4, SEC. 26, T. 4 S., R. 5 E., S.B.M.



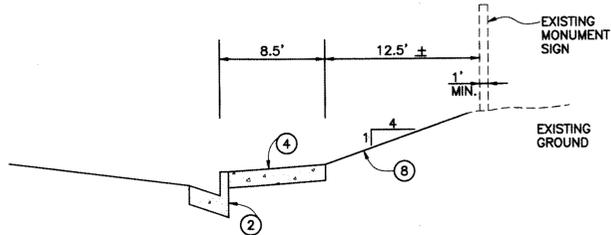
- CONSTRUCTION NOTES**
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 - ② CONSTRUCT 6", TYPE "A", CURB AND GUTTER PER CITY OF RANCHO MIRAGE STD. DETAIL 200
 - ③ CONSTRUCT 6", TYPE "D", CURB PER CITY OF RANCHO MIRAGE STD. DETAIL 203
 - ④ CONSTRUCT BIKE PATH PER CITY OF RANCHO MIRAGE STD. DETAIL 500
 - ⑤ SAWCUT AND MATCH EXISTING PAVEMENT
 - ⑥ CONSTRUCT ACCESS RAMP PER CITY OF RANCHO MIRAGE STD. DETAIL 502
 - ⑦ CONSTRUCT CURB INLET CATCH BASIN PER CITY OF RANCHO MIRAGE STD. DETAIL 300, W=21", H=8.70"
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 - * ⑨ INSTALL 18" SMOOTH BORE CORRUGATED HDPE PIPE, ADS N-12 OR EQUAL
 - * ⑩ CONSTRUCT CONCRETE COLLAR PER RIV. CO. FLOOD CONT. DIST. MB03
 - * ⑪ INSTALL 30" R.C.P., D=2250
 - ⑫ CONSTRUCT GUTTER DEPRESSION, CASE C, PER CITY OF RANCHO MIRAGE STD. DETAIL 303
 - ⑬ INSTALL 8" THERMOPLASTIC CHANNELIZING LINE PER CALTRANS STD. PLAN A20D, DETAIL 38A
 - ⑭ INSTALL 12" THERMOPLASTIC CROSSWALK PER CALTRANS STD. PLAN A24E
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 - ⑯ BLANK
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 - ㉑ CONSTRUCT ISLAND NOSE PER CITY OF RANCHO MIRAGE STD. DETAIL 213
- * CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING STORM DRAINS PRIOR TO INSTALLATION OF NEW STORM DRAIN TO VERIFY DESIGN/ CONNECTION POINTS.

GERALD FORD DR.

MISSION PALMS DR.



SCALE: 1" = 20'



CURVE DATA				
	DELTA	RAD.	LEN.	TAN.
1	90°52'12"	25.00'	39.65'	25.38'
2	14°54'04"	148.14'	48.53'	19.37'
3	14°54'04"	148.14'	48.53'	19.37'
4	180°00'00"	2.00'	6.28'	---
5	180°00'00"	3.00'	9.42'	---

SECTION A-A
N.T.S.



APPROVED BY CITY OF CATHEDRAL CITY
 JOHN CORRELLA
 R.C.E. 54385
 DATE: 4/9/15

RECOMMENDED FOR APPROVAL BY:
 Leland E. Cole, Sr. Civil Engr.
 R.C.E. 47189, EXP. 12/31/15
 DATE: 4/9/15
 APPROVED BY CITY OF RANCHO MIRAGE:
 William A. Ends, City Engineer
 R.C.E. 43910, EXP. 6/30/15
 DATE: 5/1/15

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-CONSTRUCTION NUMBER CALL
 UNDERGROUND SERVICE ALERT!
 TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

#	REVISIONS	DATE	APP.

NRO Engineering
 41-945 Boardwalk, S. H
 Palm Desert, California 92211
 (760) 346-3250 (760) 346-1754 (FAX)
 OWNER'S NAME, ADDRESS AND PHONE NUMBER
 CITY OF RANCHO MIRAGE
 69-825 HIGHWAY 111
 RANCHO MIRAGE, CA 92270
 (760) 770-3224

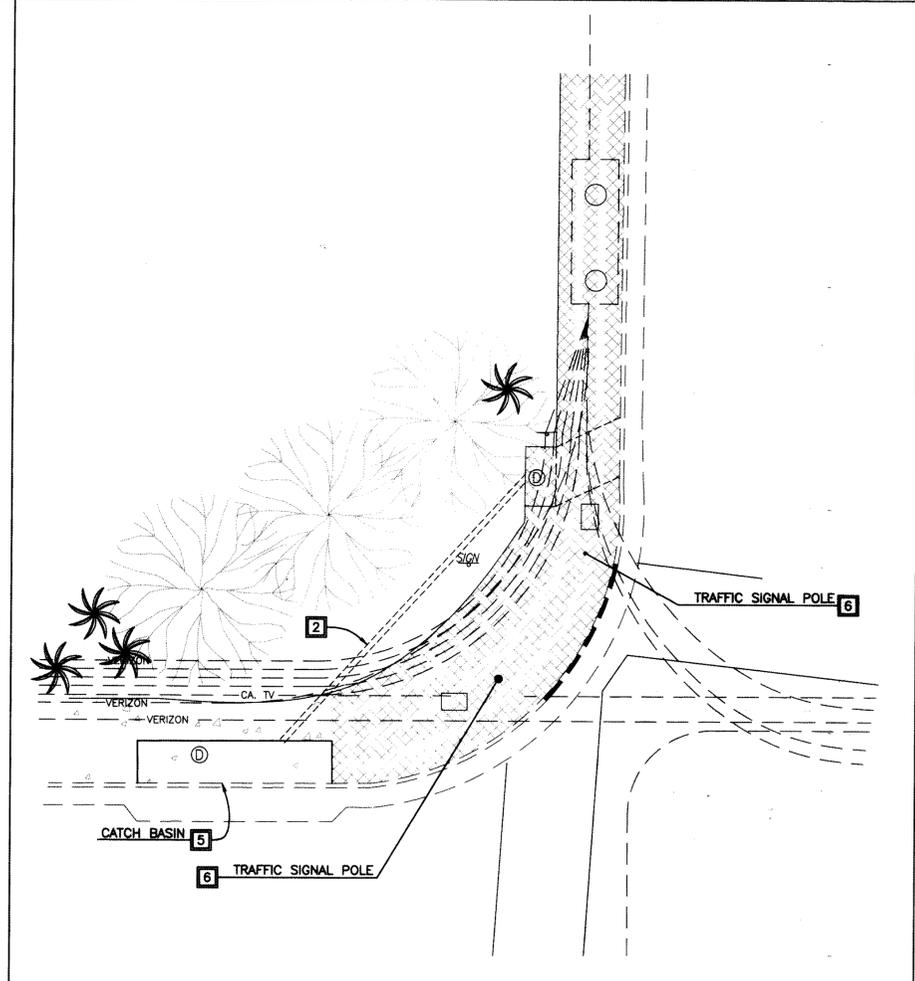
PREPARED UNDER THE DIRECT SUPERVISION OF:
 Noel Owsley
 R.C.E. 39827
 DATE: 4-9-15
 EXP. 12/31/15

CITY OF RANCHO MIRAGE
 GERALD FORD DR. AT
 DA VALL DR. STREET PLANS
 IMPROVEMENT PLAN

SHEET 4
 OF 11
 PRIVATE REFERENCE #
 118.134
 CITY REFERENCE #
 E1400290

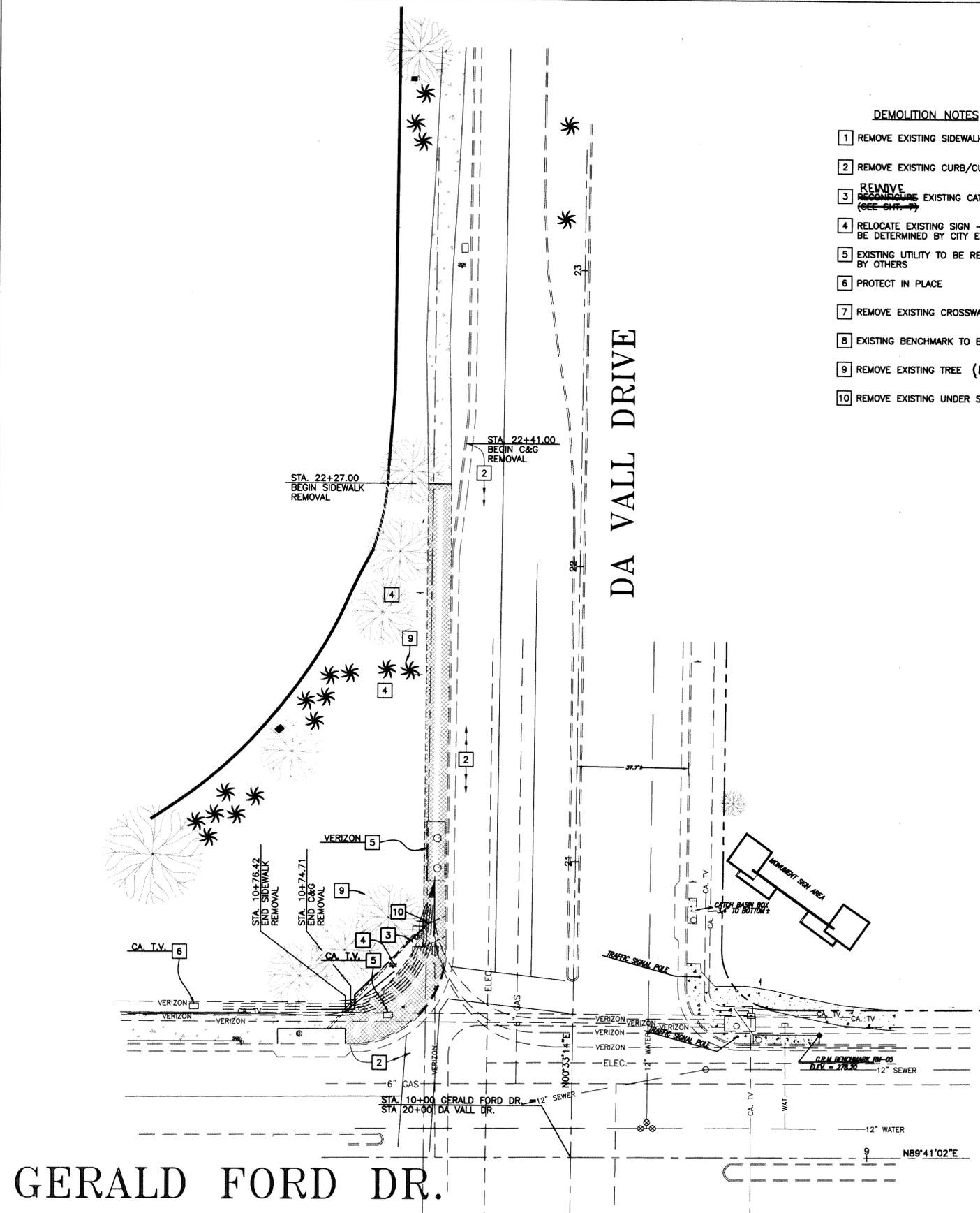
POR. S.W. 1/4, SEC. 28, T. 4 S., R. 5 E., S.B.M.

- DEMOLITION NOTES**
- 1 REMOVE EXISTING SIDEWALK
 - 2 REMOVE EXISTING CURB/CURB AND GUTTER
 - 3 REMOVE RECONFIGURE EXISTING CATCH BASIN/BRAWELL (SEE SH-7)
 - 4 RELOCATE EXISTING SIGN - LOCATION TO BE DETERMINED BY CITY ENGINEER
 - 5 EXISTING UTILITY TO BE RELOCTED/ADJUSTED TO GRADE BY OTHERS
 - 6 PROTECT IN PLACE
 - 7 REMOVE EXISTING CROSSWALK STRIPING
 - 8 EXISTING BENCHMARK TO BE RE-LOCATED BY OTHERS
 - 9 REMOVE EXISTING TREE (BY OTHERS)
 - 10 REMOVE EXISTING UNDER SIDEWALK DRAIN



DETAIL 1
1-10

- NOTES**
- 1 EXISTING 21' CATCH BASIN TO BE REMOVED
 - 2 EXISTING 18" HDPE FIELD VERIFY LOC'N
 - 3 CABLE T.V. BOX TO BE RELOCATED BY OTHERS
 - 4 VERIZON VAULT TO BE ADJUSTED TO GRADE BY OTHERS
 - 5 PROTECT IN PLACE
 - 6 SIGNAL FOUNDATIONS TO BE REMOVED TO 24" MIN. BELOW PROPOSED STREET GRADE

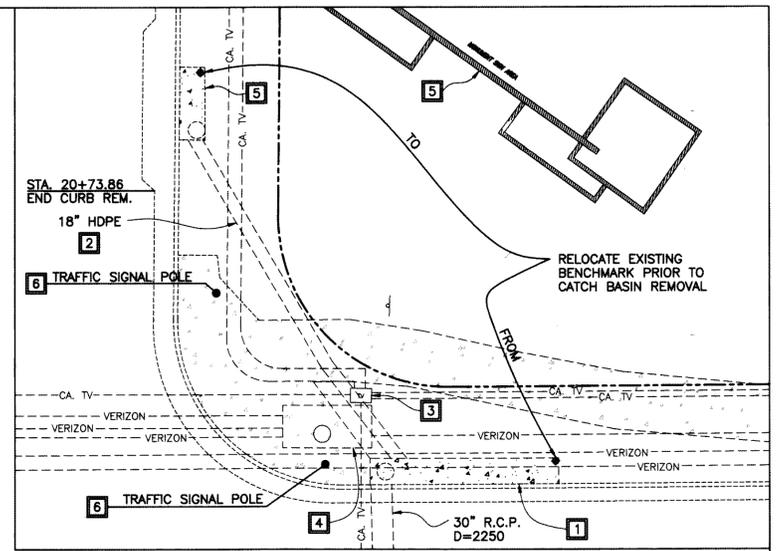
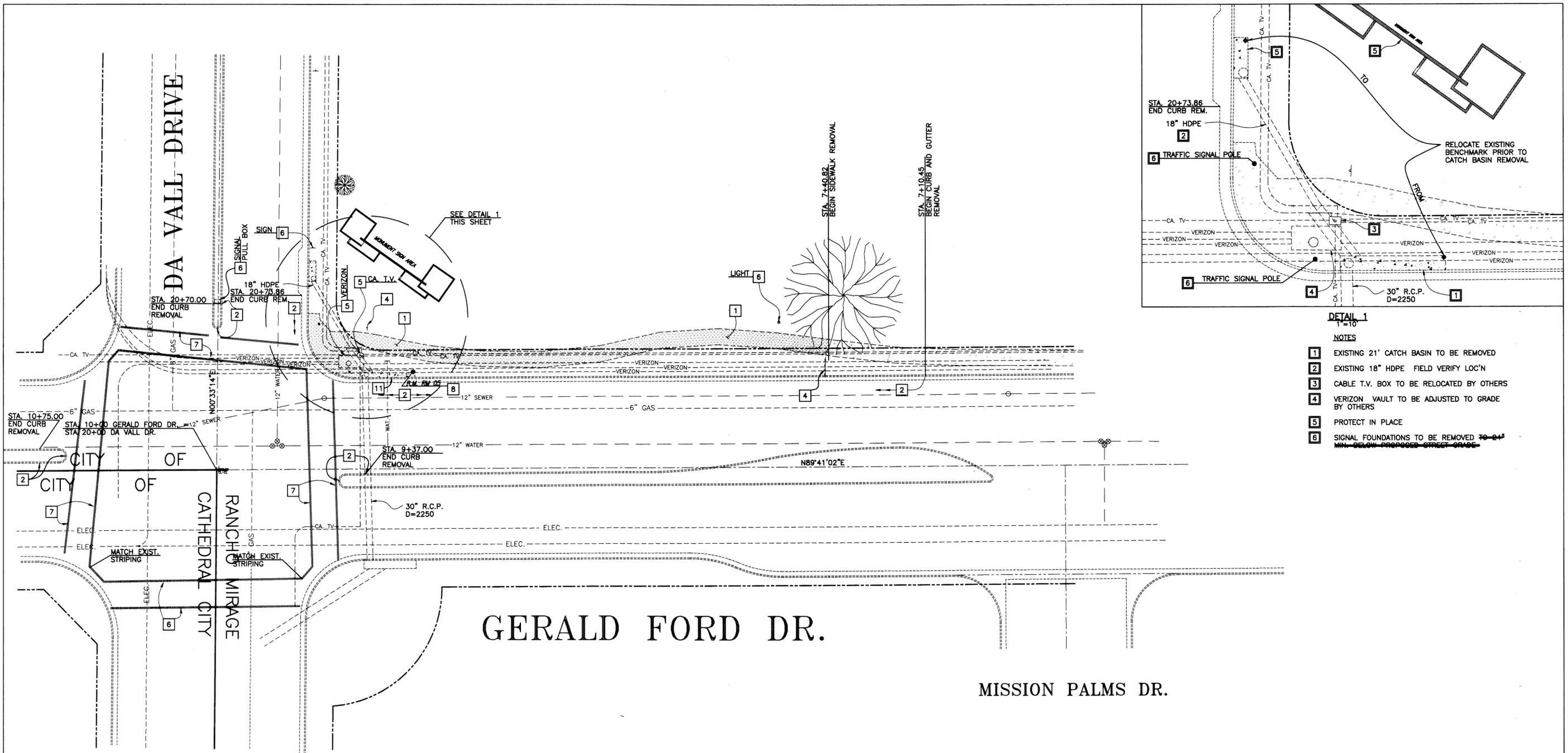


SCALE: 1" = 20'



GERALD FORD DR.

<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 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 SUPPLIES ACCESS TO DETAIL, INDEMNITY 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.</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>	<p>REVISIONS</p>	<p>DATE</p>	<p>APP.</p>	<p>BENCH MARK: R.M. 05 ELEV. 278.20 (NAVD 88) 2 1/2" BRASS DISC IN THE NORTHEAST CORNER OF STORM DRAIN INLET AT THE NORTHEAST CORNER OF GERALD FORD DR. AND DA VALL DR.</p> <p>BASIS OF BEARING: BASIS OF BEARINGS IS THE CENTERLINE OF GERALD FORD DR. BEING N89°41'02"E PER TR. 6579 AS SHOWN IN M.B. 82/78-82</p>	<p>NRO Engineering 41-945 Boardwalk, S. H Palm Desert, California 92211 (760) 346-3250 (760) 346-1754 (FAX) OWNER'S NAME, ADDRESS AND PHONE NUMBER CITY OF RANCHO MIRAGE 69-825 HIGHWAY 111 RANCHO MIRAGE, CA 92270 (760) 770-3224</p>	<p>PREPARED UNDER THE DIRECT SUPERVISION OF: <i>Noel Owsley</i> A.815 NOEL OWSLEY R.C.E. 39827 EXP. 12/31/15 DATE</p>	<p>RECOMMENDED FOR APPROVAL BY: <i>Leland E. Cole</i> 4/9/15 LELAND E. COLE, SR. CIVIL ENGR. R.C.E. 47159, EXP. 12/31/15 DATE APPROVED BY CITY OF RANCHO MIRAGE: <i>William A. Ends</i> 5/1/15 WILLIAM A. ENDS, CITY ENGINEER R.C.E. 43910, EXP. 6/30/15 DATE</p>	<p>CITY OF RANCHO MIRAGE GERALD FORD DR. AT DA VALL DR. STREET PLANS DEMOLITION/UTILITY PLAN</p>	<p>SHEET 3 OF 11 PRIVATE REFERENCE # 118.134 CITY REFERENCE # E1400290</p>
		<p>POR. S.W. 1/4, SEC. 26, T. 4 S., R. 5 E., S.B.M.</p>								



- DETAIL 1**
1"=10'
- NOTES**
- 1 EXISTING 21' CATCH BASIN TO BE REMOVED
 - 2 EXISTING 18" HDPE FIELD VERIFY LOC'N
 - 3 CABLE T.V. BOX TO BE RELOCATED BY OTHERS
 - 4 VERIZON VAULT TO BE ADJUSTED TO GRADE BY OTHERS
 - 5 PROTECT IN PLACE
 - 6 SIGNAL FOUNDATIONS TO BE REMOVED 70-24" MIN. BELOW PROPOSED STREET GRADE

GERALD FORD DR.

MISSION PALMS DR.

DEMOLITION NOTES

- 1 REMOVE EXISTING SIDEWALK
- 2 REMOVE EXISTING CURB/CURB AND GUTTER
- 3 REMOVE EXISTING CATCH BASIN
- 4 RELOCATE EXISTING SIGN - LOCATION TO BE DETERMINED BY CITY ENGINEER
- 5 EXISTING UTILITY TO BE RELOCATED/ADJUSTED TO GRADE BY OTHERS
- 6 PROTECT IN PLACE
- 7 REMOVE EXISTING CROSSWALK STRIPING
- 8 EXISTING BENCHMARK TO BE RE-LOCATED BY OTHERS



SCALE: 1" = 20'



APPROVED BY CITY OF CATHEDRAL CITY

John Corella 4/9/15
JOHN CORELLA 4/9/15
R.C.E. 54585 DATE

RECOMMENDED FOR APPROVAL BY:

Leland E. Cole 4/9/15
LELAND E. COLE, SR. CIVIL ENGR. 4/9/15
R.C.E. 47159, EXP. 12/31/15 DATE

APPROVED BY CITY OF RANCHO MIRAGE:

William A. Enos 5/1/15
WILLIAM A. ENOS, CITY ENGINEER 5/1/15
R.C.E. 43910, EXP. 6/30/15 DATE

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SECTION 4116 OF THE GOVERNMENT CODE REQUIRES AN INDUSTRY IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE HELD. FOR YOUR PRE-EXCAVATION SERVICE ALERT! TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG.

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#	REVISIONS	DATE	APP.

BENCH MARK: R.M. 05 ELEV. 278.20 (NAVD 88)
2 1/2" BRASS DISC IN THE NORTHEAST CORNER OF STORM DRAIN INLET AT THE NORTHEAST CORNER OF GERALD FORD DR. AND DA VALL DR.

BASES OF BEARING:
BASIS OF BEARINGS IS THE CENTERLINE OF GERALD FORD DR. BEING N89°41'02"E PER TR. 6579 AS SHOWN IN IN M.B. 82/78-82

NRO Engineering
41-945 Boardwalk, S. H
Palm Desert, California 92211
(760) 346-3250 (760) 346-1754 (FAX)

OWNER'S NAME, ADDRESS AND PHONE NUMBER
CITY OF RANCHO MIRAGE
80-825 HIGHWAY 111
RANCHO MIRAGE, CA 92270
(760) 770-3224

PREPARED UNDER THE DIRECT SUPERVISION OF:

Noel Owsley 4.8.15
NOEL OWSLEY 4.8.15
R.C.E. 39827 EXP. 12/31/15 DATE

CITY OF RANCHO MIRAGE

GERALD FORD DR. AT
DA VALL DR. STREET PLANS
DEMOLITION/UTILITY PLAN

POR. S.W. 1/4, SEC. 26, T. 4 S., R. 5 E., S.B.M.

SHEET 2
OF 11

PRIVATE REFERENCE #
118.134

CITY REFERENCE #
E1400290