

# SAGE ESTATES

## NATIVE PLANT RELOCATION & COMMON AREA LANDSCAPE PLANS

### NEW RESIDENTIAL PROJECT

#### IN THE TOWN OF YUCCA VALLEY, CALIFORNIA

#### SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE

A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

**PROJECT DATA**

OWNER / APPLICANT: COPPER HILLS HOMES  
ATTN: WILLIAM SHACK, JR.  
56884 GOLDEN BEE DR.  
YUCCA VALLEY, CA 92284  
(760) 365-2994

DEVELOPER: COPPER HILLS HOMES  
ATTN: WILLIAM SHACK, JR.  
56884 GOLDEN BEE DR.  
YUCCA VALLEY, CA 92284  
(760) 365-2994

LANDSCAPE ARCHITECT: RAY LOPEZ ASSOCIATES  
LANDSCAPE ARCHITECTURE & PLANNING  
56960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
(O) 760.206.9696 (E) RLAscape@aol.com  
CONTACT: RAYMOND C. LOPEZ

CIVIL ENGINEER: NV5 - NOLTE / VERTICALFIVE  
CIVIL ENGINEERING \* LAND PLANNING  
42-829 COOK STREET, SUITE 104  
PALM DESERT, CALIFORNIA 92211  
(O) 760.341.3101 (F) 341-5999  
CONTACT: STEPHEN F. CREVIOSERAT  
CONTACT: WILLIAM WARNER

**UTILITY CONTACT INFORMATION**

**WATER:** HI-DESERT WATER DISTRICT  
55439 TWENTYNINE PALMS HWY  
YUCCA VALLEY, CALIFORNIA 92284  
ATTENTION: GREG SNYDER  
PHONE: (760)365-8333

**TELEPHONE:** VERIZON CALIFORNIA  
295 N. SUNRISE WAY  
PALM SPRINGS, CALIFORNIA 92262  
ATTENTION: LARRY MOORE  
PHONE: (760)778-3610

**ELECTRICITY:** SOUTHERN CALIFORNIA EDISON  
6999 OLD WOMAN SPRINGS ROAD  
YUCCA VALLEY, CALIFORNIA 92284  
ATTENTION: ARLAN AVERYT  
PHONE: (760)369-5413

**NATURAL GAS:** SOUTHERN CALIFORNIA GAS COMPANY  
7124B MOHAWK TRAIL, SC8077  
YUCCA VALLEY, CALIFORNIA 92284  
ATTENTION: BRUCE LOMBARDI  
PHONE: (760)228-1400

**CABLE:** TIME WARNER CABLE  
73181 MEDITERRANEAN  
PALM DESERT, CALIFORNIA 92211  
ATTENTION: CYNTHIA FRANKLIN  
PHONE: (760)674-5404

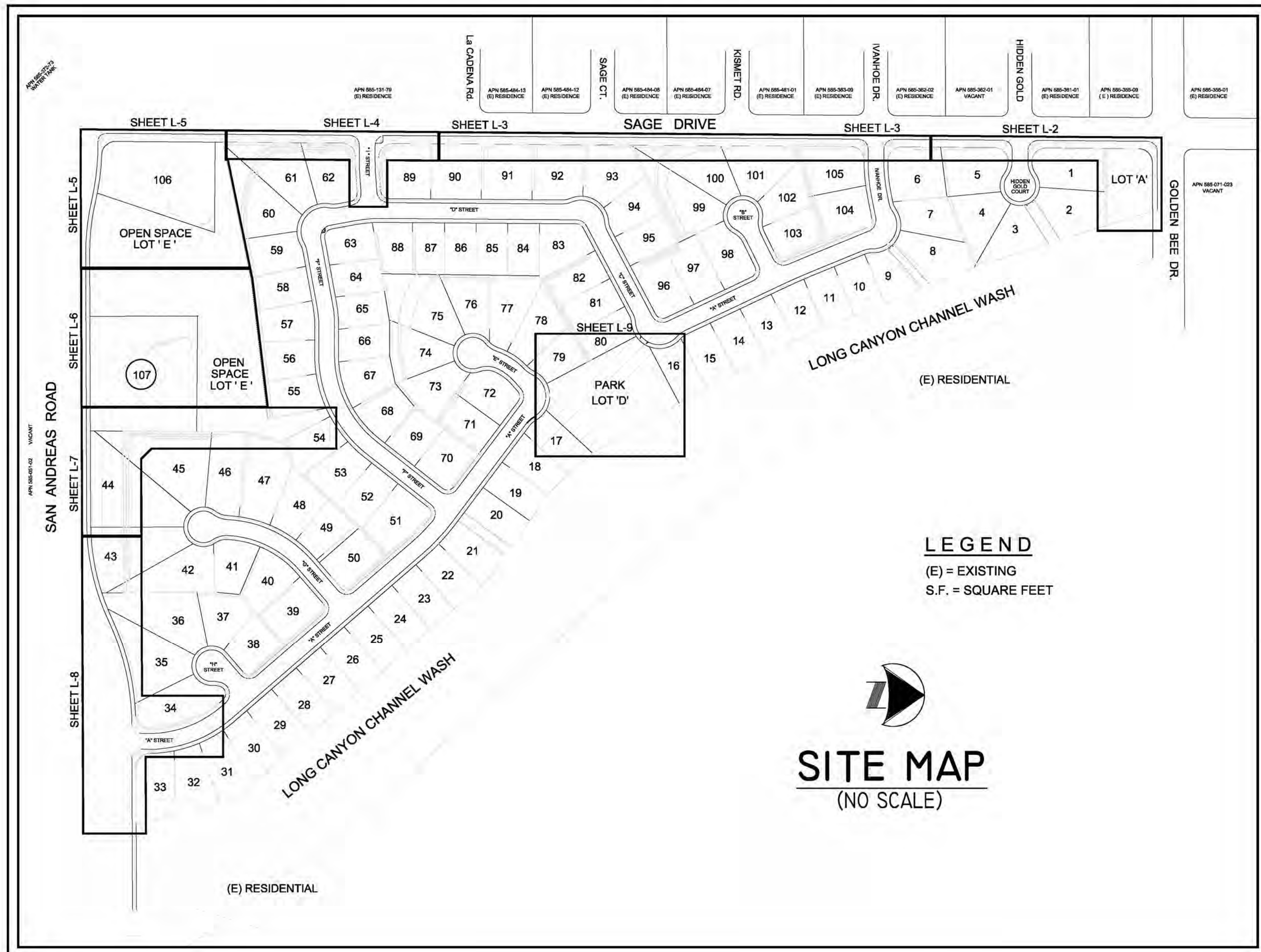
**DISPOSAL:** BURRTEC  
4878 NEWTON ROAD  
YUCCA VALLEY, CALIFORNIA 92284  
ATTENTION: ANGELA  
PHONE: (760)365-2015

**SEWER:** SEPTIC SYSTEMS OR PACKAGE  
WASTEWATER TREATMENT PLANT  
(IF REQUIRED)

**ASSESSOR'S PARCEL NO.**  
585-071-16, 585-071-17  
585-071-25 AND 585-071-26

**BASIS OF BEARING**  
THE BASIS OF BEARING SHOWN  
HEREON IS N00°26'00"E 2645.13'

**BENCH MARK**  
TOP OF COUNTY SURVEYORS  
MONUMENT AT THE INTERSECTION OF  
SAGE AVENUE AND GOLDEN BEE DRIVE  
( W 1/4 CORNER, SECTION 12 ).  
ELEVATION: 3577.54



**SHEET INDEX**

- L1 TITLE SHEET
- L2 NATIVE PLANT RELOCATION & LANDSCAPE PLAN ( PERIMETER SAGE DR. & LOT 'A' )
- L3 NATIVE PLANT RELOCATION & LANDSCAPE PLAN ( PERIMETER SAGE DR. )
- L4 NATIVE PLANT RELOCATION & LANDSCAPE PLAN ( PERIMETER SAGE DR. ) NATIVE PLANT MANAGEMENT PLAN
- L5 NATIVE PLANT RELOCATION & LANDSCAPE PLAN ( PERIMETER SAGE, SAN ANDREAS RD. & OPEN SPACE )
- L6 NATIVE PLANT RELOCATION & LANDSCAPE PLAN ( PERIMETER SAN ANDREAS RD. & OPEN SPACE )
- L7 NATIVE PLANT RELOCATION & LANDSCAPE PLAN ( PERIMETER SAN ANDREAS RD. & OPEN SPACE )
- L8 NATIVE PLANT RELOCATION & LANDSCAPE PLAN ( PERIMETER SAN ANDREAS ROAD )
- L9 NATIVE PLANT RELOCATION & LANDSCAPE PLAN ( PARK - LOT 'D' )
- L10 LANDSCAPE PLAN ( SLOPES - 10' PLUS )
- L11 LANDSCAPE SPECIFICATIONS
- L12 LANDSCAPE SPECIFICATIONS, DETAILS and MAINTENANCE SCHEDULE
- L13 NATIVE PLANT MANAGEMENT PLAN - RELOCATION NARRATIVE & PLAN
- L14 NATIVE PLANT MANAGEMENT PLAN - TRANSPLANTING NOTES & MAINTENANCE
- L15 NATIVE PLANT SURVEY PLAN - JOSHUA TREES, ETC. (Survey provided by Mr. Archie Rieser, Sr.)
- L16 NATIVE PLANT SURVEY PLAN - MOJAVE YUCCAS. (Survey provided by Mr. Archie Rieser, Sr.)

**SITE MAP**  
(NO SCALE)

**SUMMARY OF SQUARE FOOTAGE**

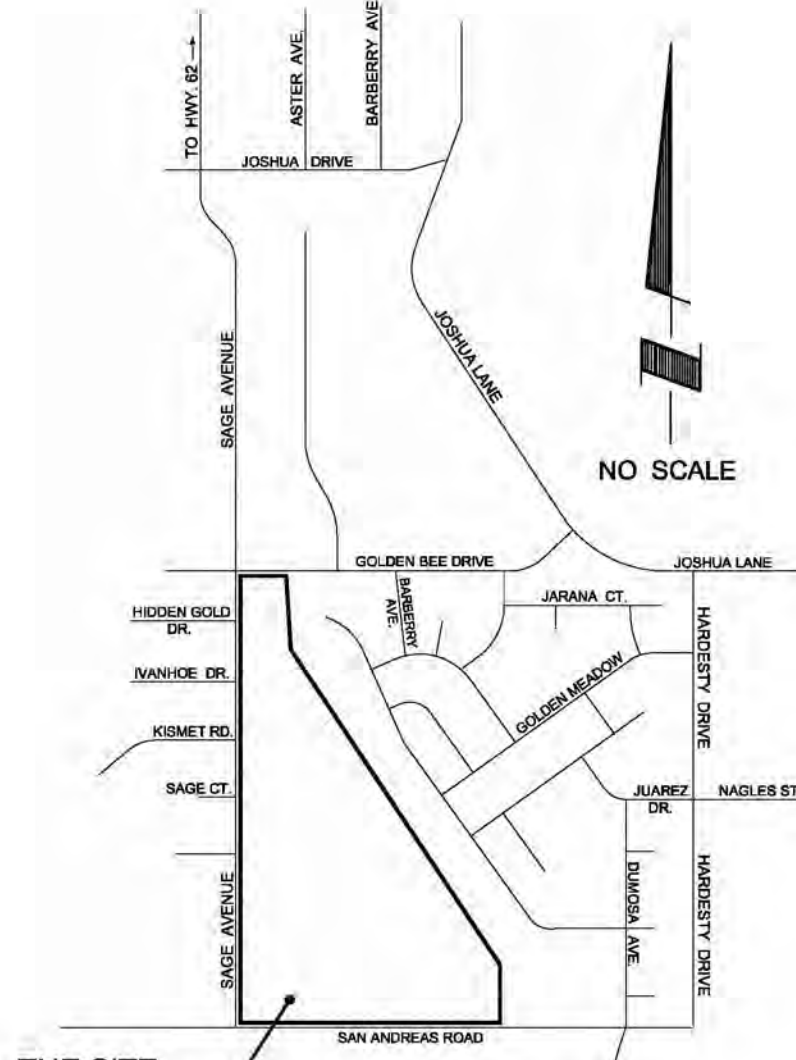
TURF = 0 square feet.  
GROUND COVERS ( LIVING ) = 152,500 sq.ft. +/-  
GROUND COVERS ( INERT ) = 17,500 sq.ft. +/- (gravel).  
OTHER POROUS AREA = 120,000 sq. ft. Lot E - Left Natural.  
SLOPE PLANTINGS - 10' Elevation Change = 26,700 +/-  
OVERALL PROJECT = 316,700 sq.ft. +/-

**LANDSCAPE AREA**

COMMON LOT 'A' = 22,000 S.F. +/-  
PARK / LOT 'D' = 53,500 S.F. +/-  
COMMON LOT 'E' = 170,000 S.F. +/-  
GOLDEN BEE DRIVE PERIMETER = 1,200 S.F. +/-  
SAGE DRIVE PERIMETER = 35,000 S.F. +/-  
SAN ANDREAS ROAD PERIMETER = 8,800 S.F. +/-  
TOTAL = 290,000 S.F. +/-

**LOT SQUARE FOOTAGES FOR SLOPE PLANTINGS**

10' + ELEVATION CHANGE  
LOT 34 = 3,500 S.F. +/-  
LOT 35 = 10,000 S.F. +/-  
LOT 36 = 4,800 S.F. +/-  
LOT 45 = 5,000 S.F. +/-  
LOT 61 = 3,400 S.F. +/-  
TOTAL = 26,700 S.F. +/-



**VICINITY MAP**  
(NO SCALE)

**SOIL MANAGEMENT REPORT**

A SOIL MANAGEMENT REPORT SHALL BE PROVIDED AFTER THE GRADING PROCESS IS COMPLETED.

**DETENTION BASINS**

THERE ARE NO DETENTION BASINS LOCATED ON THIS PROJECT.

APPROVED BY:  
HI-DESERT WATER DISTRICT

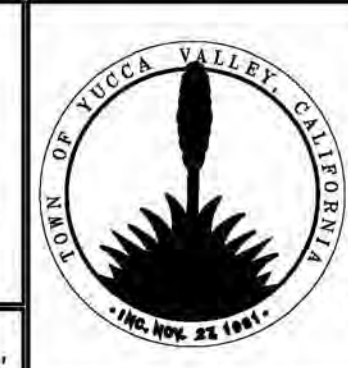
MARK BAN OPERATIONS MANAGER DATE

NO.	BY	DATE	REVISIONS:



PREPARED UNDER THE SUPERVISION OF:  
RAYMOND C. LOPEZ  
Lic. No. 3474 DATE EXP. 12/31/15

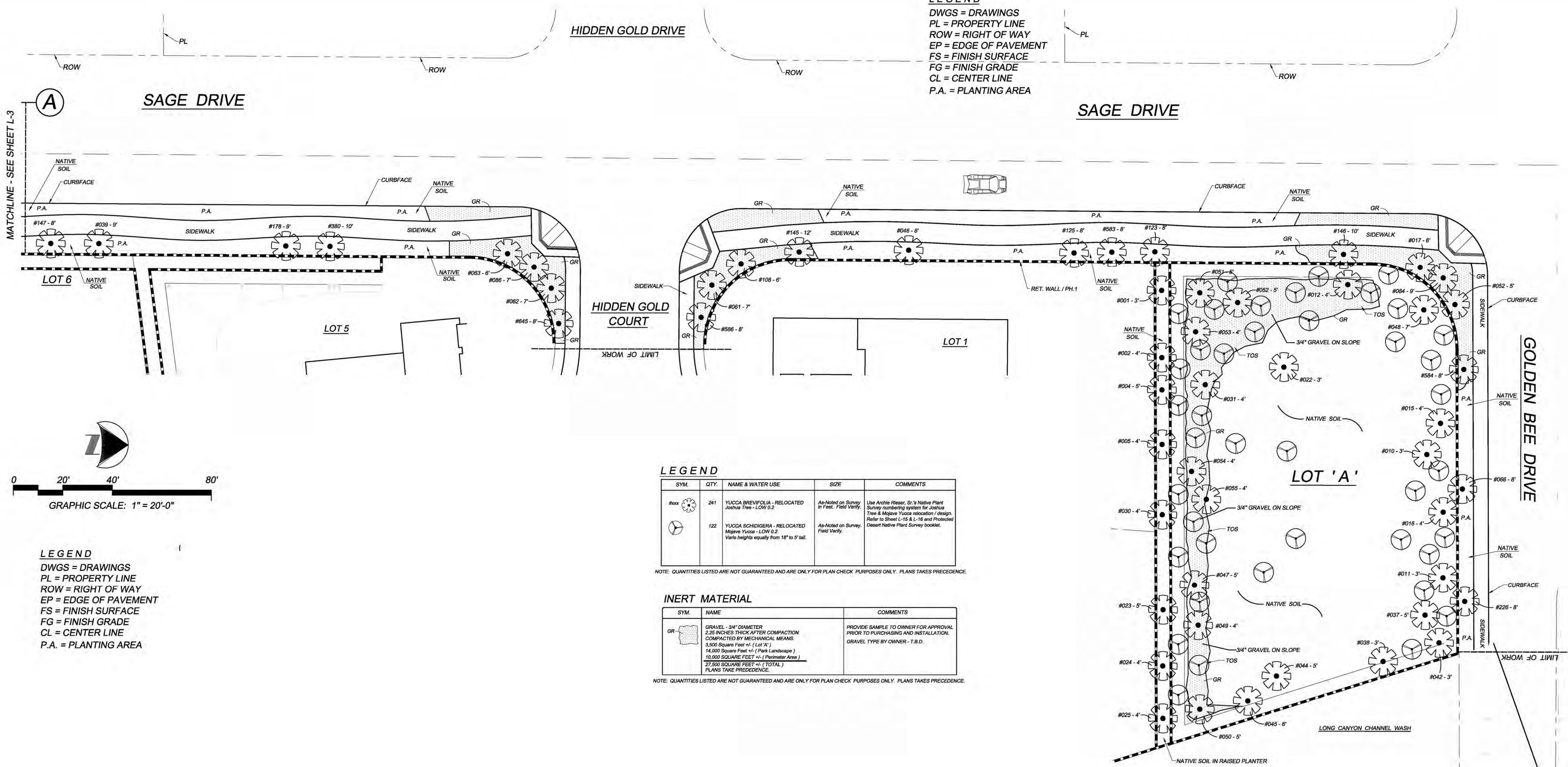
PREPARED BY:  
**RAY LOPEZ ASSOCIATES**  
LANDSCAPE ARCHITECTURE  
56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
(T) 760 / 206-9696 E-mail: RLAscape@AOL.com



APPROVED BY TOWN:  
NAME DATE

<b>TOWN OF YUCCA VALLEY</b>		SHEET NUMBER
<b>TITLE SHEET</b>		<b>L - 1</b>
SAGE ESTATES SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26		OF 16 SHEETS
DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994 COPPER HILLS HOMES, 56884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284		SCALE: REFER TO PLAN
PLOT DATE: Oct 21, 2014		JOB NUMBER 02192014-CHH-YV

**LEGEND**  
 DWGS = DRAWINGS  
 PL = PROPERTY LINE  
 ROW = RIGHT OF WAY  
 EP = EDGE OF PAVEMENT  
 FS = FINISH SURFACE  
 FG = FINISH GRADE  
 CL = CENTER LINE  
 P.A. = PLANTING AREA



**LEGEND**

SYM.	QTY.	NAME & WATER USE	SIZE	COMMENTS
#xxx	241	YUCCA BREVIFOLIA - RELOCATED Joshua Tree - LOW 0.2	As-Noted on Survey In Feet. Field Verify.	Use Archie Rieser, Sr.'s Native Plant Survey numbering system for Joshua Tree & Mojave Yucca relocation design. Refer to Sheet L-15 & L-16 and Protected Desert Native Plant Survey booklet.
	122	YUCCA SCHIDIGERA - RELOCATED Mojave Yucca - LOW 0.2	As-Noted on Survey. Field Verify.	Use Archie Rieser, Sr.'s Native Plant Survey numbering system for Joshua Tree & Mojave Yucca relocation design. Refer to Sheet L-15 & L-16 and Protected Desert Native Plant Survey booklet.

NOTE: QUANTITIES LISTED ARE NOT GUARANTEED AND ARE ONLY FOR PLAN CHECK PURPOSES ONLY. PLANS TAKE PRECEDENCE.

**INERT MATERIAL**

SYM.	NAME	COMMENTS
GR	GRAVEL - 3/4" DIAMETER 2.50 INCHES THICK AFTER COMPACTION COMPACTION BY MECHANICAL MEANS 3,500 Square Feet +/- (Lot 'A') 14,000 Square Feet +/- (Plant Landscape) 10,000 SQUARE FEET +/- (Perimeter Area) 27,500 SQUARE FEET +/- (TOTAL) PLANS TAKE PRECEDENCE.	PROVIDE SAMPLE TO OWNER FOR APPROVAL PRIOR TO PURCHASING AND INSTALLATION. GRAVEL TYPE BY OWNER - T.B.D.

NOTE: QUANTITIES LISTED ARE NOT GUARANTEED AND ARE ONLY FOR PLAN CHECK PURPOSES ONLY. PLANS TAKE PRECEDENCE.

**LEGEND**  
 DWGS = DRAWINGS  
 PL = PROPERTY LINE  
 ROW = RIGHT OF WAY  
 EP = EDGE OF PAVEMENT  
 FS = FINISH SURFACE  
 FG = FINISH GRADE  
 CL = CENTER LINE  
 P.A. = PLANTING AREA

APPROVED BY:  
 HI-DESERT WATER DISTRICT

MARK BAN  
 OPERATIONS MANAGER

DATE

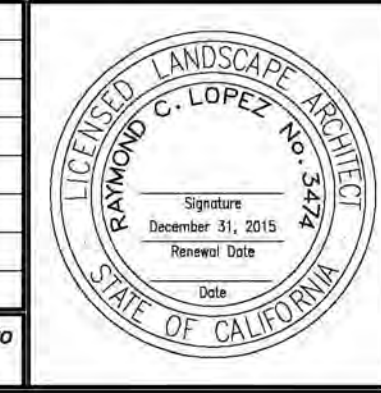


**DIGALERT**  
 CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
 1-800-227-2600  
 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.



PREPARED UNDER THE SUPERVISION OF:  
 RAYMOND C. LOPEZ  
 Lic. No. 3474

DATE  
 EXP. 12/31/15

DRAWN BY: GM  
 DESIGNED BY: RC  
 CHECKED BY: CL

PREPARED BY:  
**RAY LOPEZ ASSOCIATES**  
 LANDSCAPE ARCHITECTURE  
 56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
 (T) 760 / 206-9696 E-mail: RLAscape@AOL.com

BASIS OF BEARING:  
 THE BASIS OF BEARING SHOWN HEREON IS N00°26'00"E 2645.13'



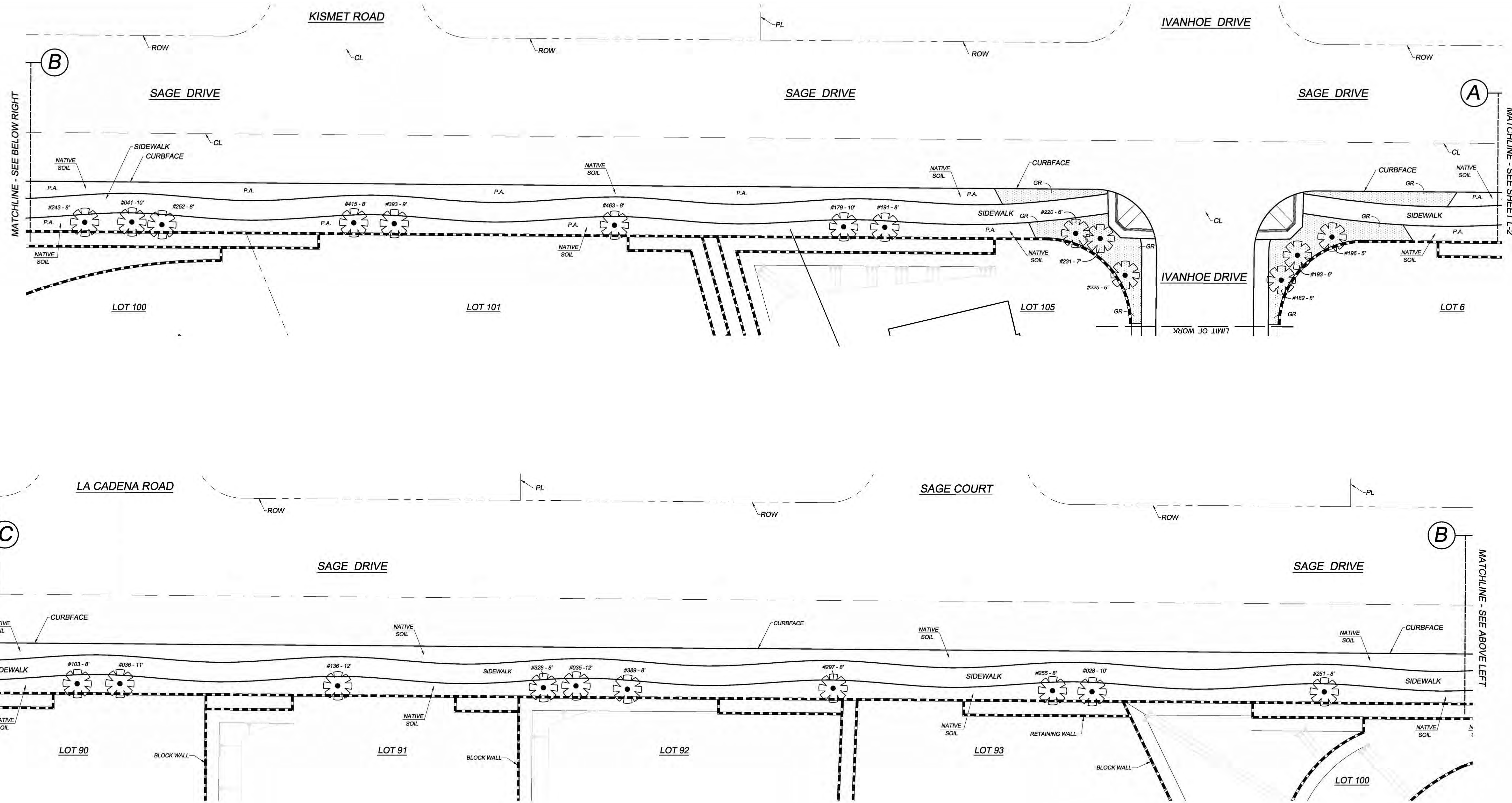
APPROVED BY TOWN:  
 NAME  
 DATE

TOWN OF YUCCA VALLEY  
**NATIVE PLANT RELOCATION & LANDSCAPE PLAN**  
 PERIMETER - GOLDEN BEE DR. & SAGE DR. & LOT "A"  
 SAGE ESTATES  
 SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
 A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

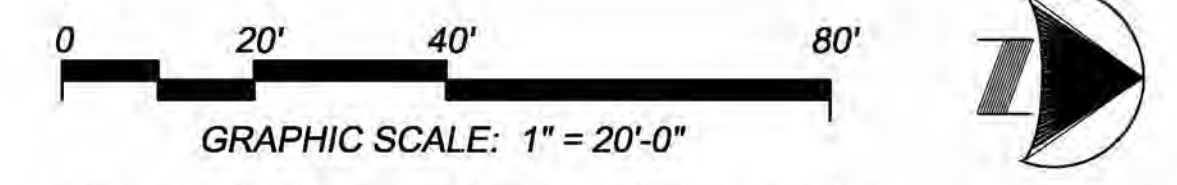
DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
 COPPER HILLS HOMES, 56884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284

PLOT DATE: Oct 21, 2014

SHEET NUMBER  
**L - 2**  
 OF 16 SHEETS  
 SCALE:  
 REFER TO PLAN  
 JOB NUMBER  
 02192014-CHH-YV



**LEGEND**  
 DWGS = DRAWINGS  
 PL = PROPERTY LINE  
 ROW = RIGHT OF WAY  
 EP = EDGE OF PAVEMENT  
 FS = FINISH SURFACE  
 FG = FINISH GRADE  
 CL = CENTER LINE  
 P.A. = PLANTING AREA




SEE SHEET L-2 FOR PLANT LEGEND

APPROVED BY:  
 HI-DESERT WATER DISTRICT

MARK BAN  
 OPERATIONS MANAGER

DATE

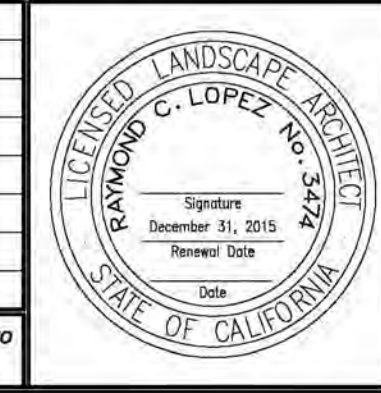


**DIGALERT**  
 CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
 1-800-227-2600  
 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.



PREPARED UNDER THE SUPERVISION OF:  
 RAYMOND C. LOPEZ  
 Lic. No. 3474

DESIGNED BY: RC  
 CHECKED BY: CL

PREPARED BY:  
**RAY LOPEZ ASSOCIATES**  
 LANDSCAPE ARCHITECTURE  
 56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
 (T) 760 / 206-9696 E-mail: RLAscape@AOL.com

BASIS OF BEARING:  
 THE BASIS OF BEARING SHOWN HEREON IS N00°26'00"E 2645.13'



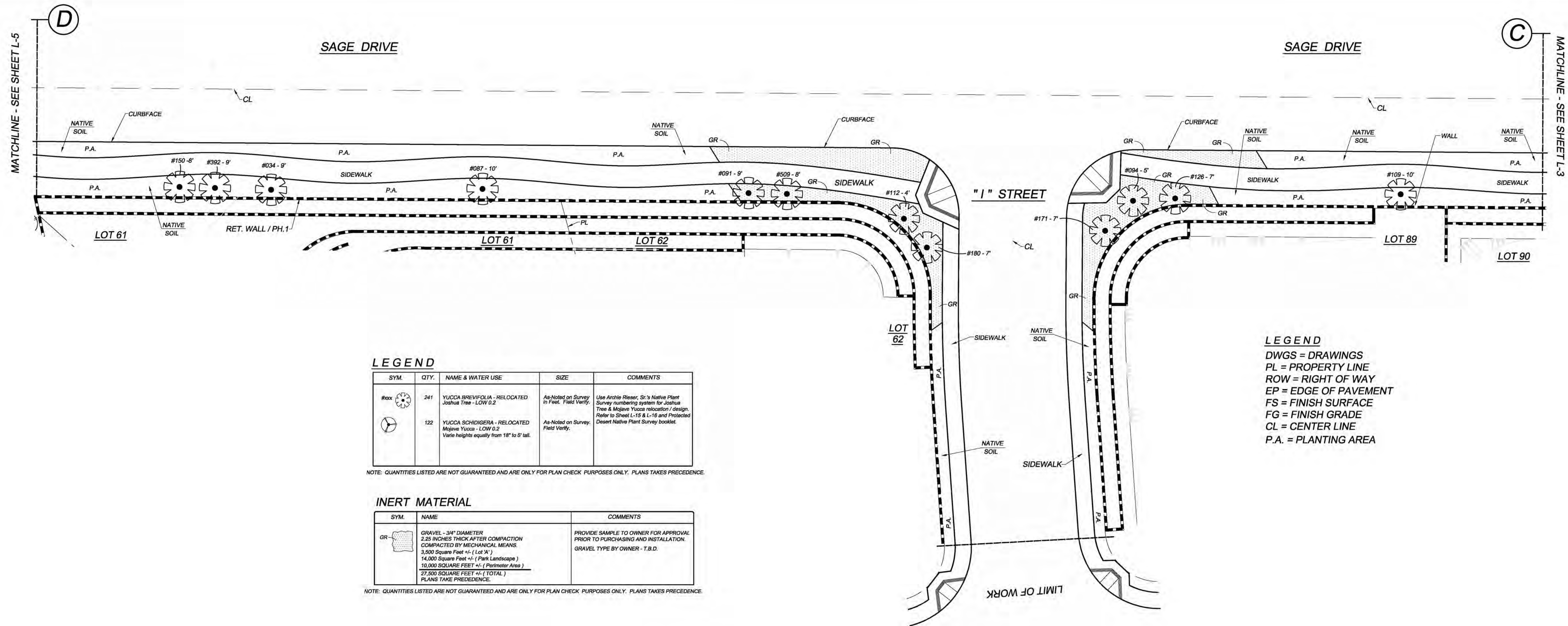
APPROVED BY TOWN:  
 NAME \_\_\_\_\_ DATE \_\_\_\_\_

**TOWN OF YUCCA VALLEY**  
 NATIVE PLANT RELOCATION & LANDSCAPE PLAN  
 PERIMETER - SAGE DRIVE  
**SAGE ESTATES**  
 SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
 A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
 COPPER HILLS HOMES, 56884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284

PLOT DATE: Oct 21, 2014

SHEET NUMBER  
**L - 3**  
 OF 16 SHEETS  
 SCALE:  
 REFER TO PLAN  
 JOB NUMBER  
 02192014-CHH-YV



**LEGEND**

SYM.	QTY.	NAME & WATER USE	SIZE	COMMENTS
#xxx	241	YUCCA BREVIFOLIA - RELOCATED Joshua Tree - LOW 0.2	As-Noted on Survey in Field. Field Verify.	Use Archie Reser, Sr.'s Native Plant Survey numbering system for Joshua Tree & Mojave Yucca relocation / design. Refer to Sheet L-15 & L-16 and Protected Desert Native Plant Survey booklet.
⊙	122	YUCCA SCHIDIGERA - RELOCATED Mojave Yucca - LOW 0.2	As-Noted on Survey. Field Verify.	Desert Native Plant Survey booklet. Varies heights equally from 18" to 5' tall.

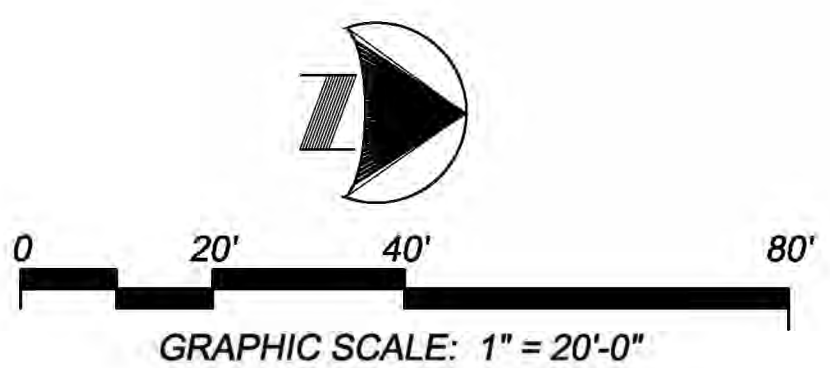
NOTE: QUANTITIES LISTED ARE NOT GUARANTEED AND ARE ONLY FOR PLAN CHECK PURPOSES ONLY. PLANS TAKE PRECEDENCE.

**INERT MATERIAL**

SYM.	NAME	COMMENTS
GR	GRAVEL - 3/4" DIAMETER 2.25 INCHES THICK AFTER COMPACTION COMPACTION BY MECHANICAL MEANS 3,500 Square Feet +/- (Lot 'A') 14,000 Square Feet +/- (Park Landscape) 10,000 SQUARE FEET +/- (Perimeter Area) 27,500 SQUARE FEET +/- (TOTAL) PLANS TAKE PRECEDENCE.	PROVIDE SAMPLE TO OWNER FOR APPROVAL PRIOR TO PURCHASING AND INSTALLATION. GRAVEL TYPE BY OWNER - T.B.D.

NOTE: QUANTITIES LISTED ARE NOT GUARANTEED AND ARE ONLY FOR PLAN CHECK PURPOSES ONLY. PLANS TAKE PRECEDENCE.

**LEGEND**  
 DWGS = DRAWINGS  
 PL = PROPERTY LINE  
 ROW = RIGHT OF WAY  
 EP = EDGE OF PAVEMENT  
 FS = FINISH SURFACE  
 FG = FINISH GRADE  
 CL = CENTER LINE  
 P.A. = PLANTING AREA



APPROVED BY:  
 HI-DESERT WATER DISTRICT

MARK BAN  
 OPERATIONS MANAGER

DATE

**DIGALERT**  
 CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
 1-800-227-2600  
 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.



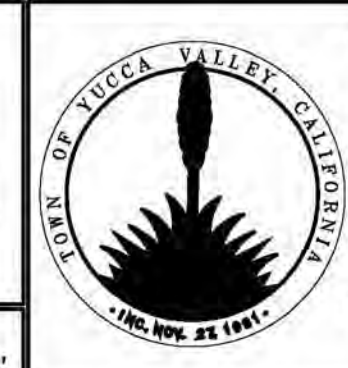
PREPARED UNDER THE SUPERVISION OF:  
 RAYMOND C. LOPEZ  
 Lic. No. 3474

DATE: EXP. 12/31/15

DRAWN BY: GM  
 DESIGNED BY: RC  
 CHECKED BY: CL

PREPARED BY:  
**RAY LOPEZ ASSOCIATES**  
 LANDSCAPE ARCHITECTURE  
 56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
 (T) 760 / 206-9696 E-mail: RLAscape@AOL.com

BASIS OF BEARING:  
 THE BASIS OF BEARING SHOWN HEREON IS N00°26'00"E 2645.13'



APPROVED BY TOWN:  
 NAME  
 DATE

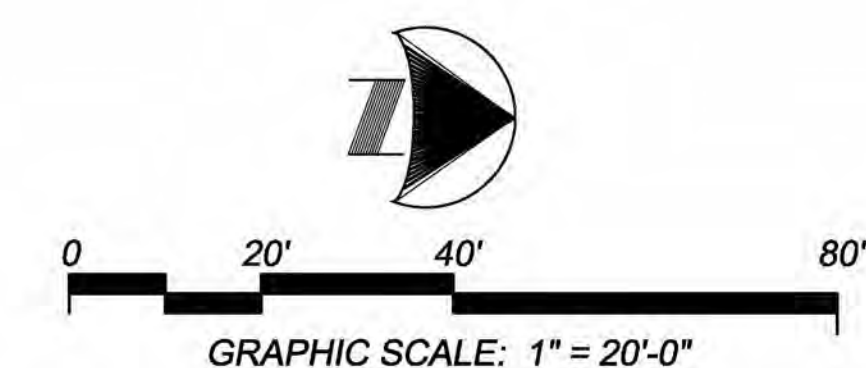
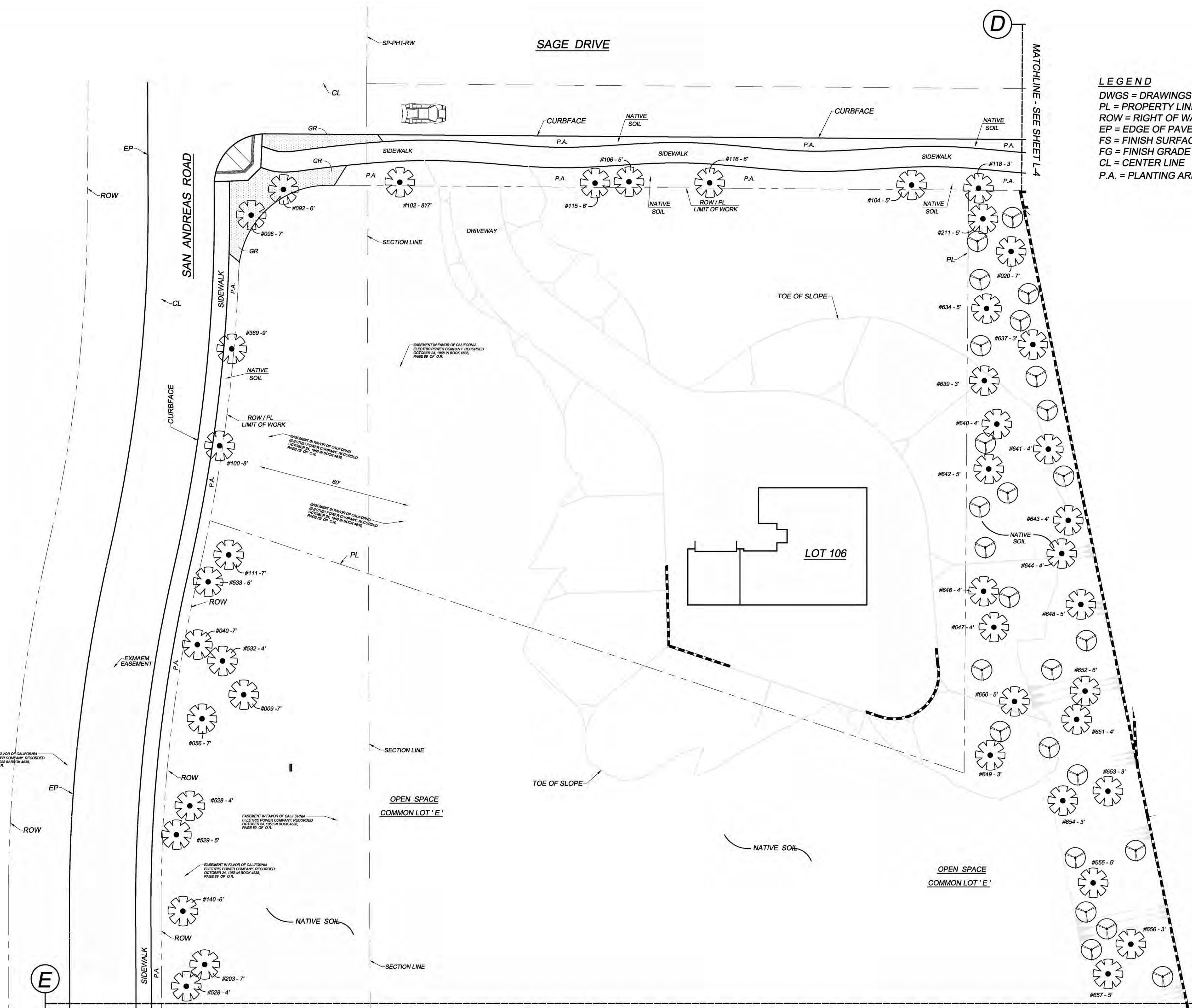
TOWN OF YUCCA VALLEY  
 NATIVE PLANT RELOCATION & LANDSCAPE PLAN  
 PERIMETER - SAGE DRIVE  
 SAGE ESTATES  
 SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
 A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
 COPPER HILLS HOMES, 56884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284

PLOT DATE: Oct 21, 2014

SHEET NUMBER  
**L - 4**  
 OF 16 SHEETS  
 SCALE:  
 REFER TO PLAN  
 JOB NUMBER  
 02192014-CHH-YV

**LEGEND**  
 DWGS = DRAWINGS  
 PL = PROPERTY LINE  
 ROW = RIGHT OF WAY  
 EP = EDGE OF PAVEMENT  
 FS = FINISH SURFACE  
 FG = FINISH GRADE  
 CL = CENTER LINE  
 P.A. = PLANTING AREA



SEE SHEET L-4 FOR PLANT LEGEND

APPROVED BY:  
 HI-DESERT WATER DISTRICT

MARK BAN  
 OPERATIONS MANAGER

DATE

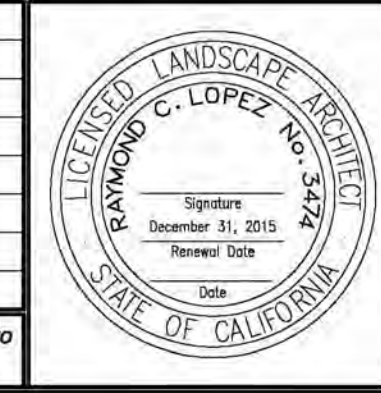


**DIGALERT**  
 CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
 1-800-227-2600  
 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.



PREPARED UNDER THE SUPERVISION OF:  
 PREPARED BY:  
**RAYMOND C. LOPEZ**  
 Lic. No. 3474 DATE EXP. 12/31/15  
 DRAWN BY: GM DESIGNED BY: RC  
 CHECKED BY: CL

PREPARED BY:  
**RAY LOPEZ ASSOCIATES**  
 LANDSCAPE ARCHITECTURE  
 56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
 (T) 760 / 206-9696 E-mail: RLAscape@AOL.com

BASIS OF BEARING:  
 THE BASIS OF BEARING SHOWN HEREON IS N00°26'00"E 2645.13'



APPROVED BY TOWN:  
 NAME DATE

TOWN OF YUCCA VALLEY  
**NATIVE PLANT RELOCATION & LANDSCAPE PLAN**  
 PERIMETERS - SAGE DRIVE / SAN ANDREAS ROAD & OPEN SPACE AREA  
**SAGE ESTATES**  
 SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
 A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

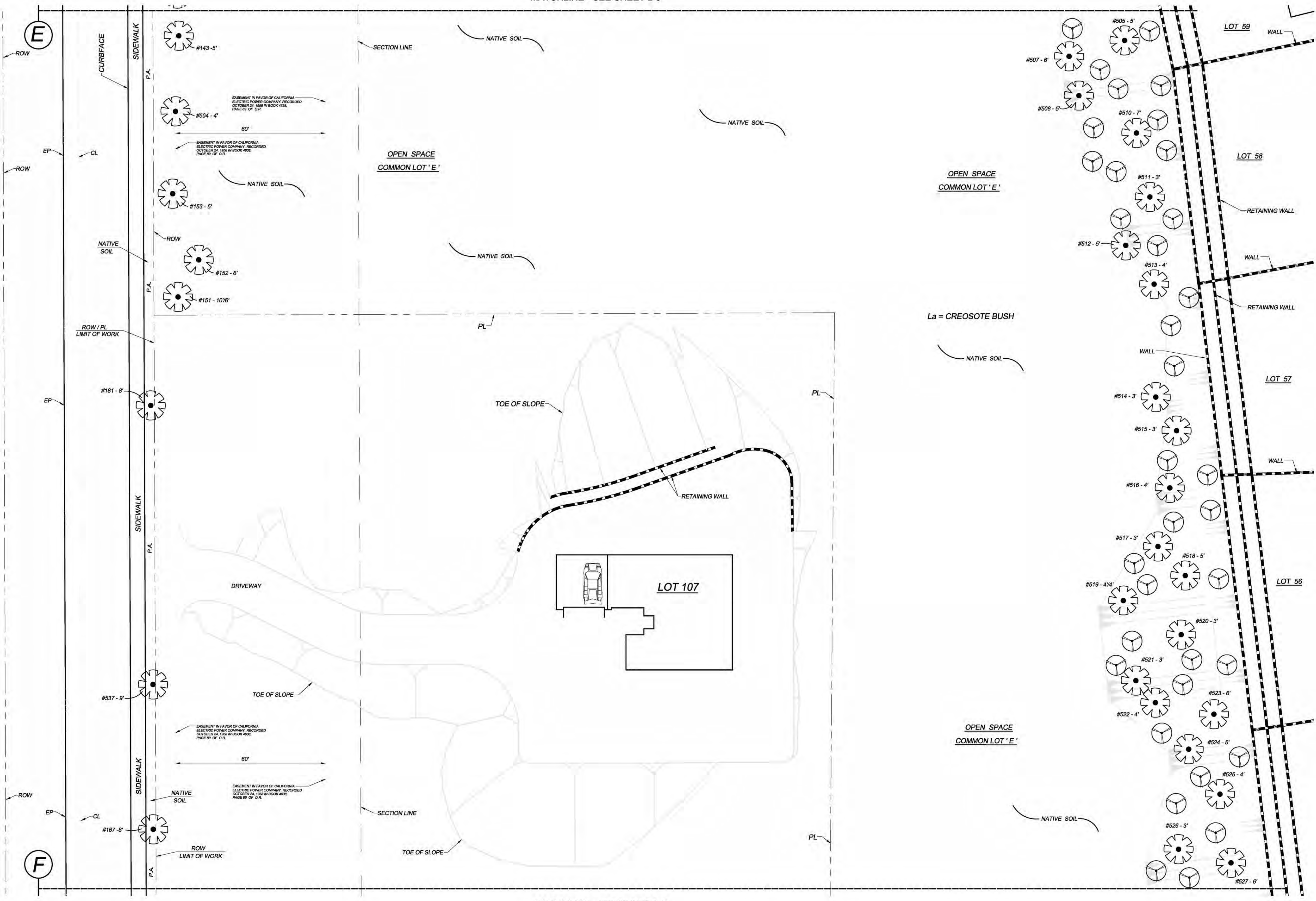
DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
 COPPER HILLS HOMES, 56884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284

PLOT DATE: Oct 21, 2014

SHEET NUMBER  
**L - 5**  
 OF 16 SHEETS  
 SCALE:  
 REFER TO PLAN  
 JOB NUMBER  
 02192014-CHH-YV

MATCHLINE - SEE SHEET L-5

MATCHLINE - SEE SHEET L-7

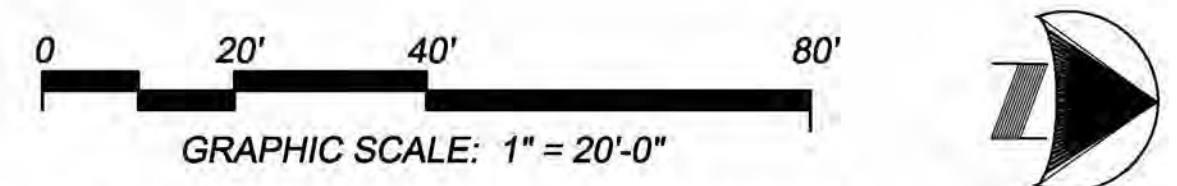


**LEGEND**  
 DWGS = DRAWINGS  
 PL = PROPERTY LINE  
 ROW = RIGHT OF WAY  
 EP = EDGE OF PAVEMENT  
 FS = FINISH SURFACE  
 FG = FINISH GRADE  
 CL = CENTER LINE  
 P.A. = PLANTING AREA

La = CREOSOTE BUSH

APPROVED BY:  
 HI-DESERT WATER DISTRICT

MARK BAN DATE  
 OPERATIONS MANAGER



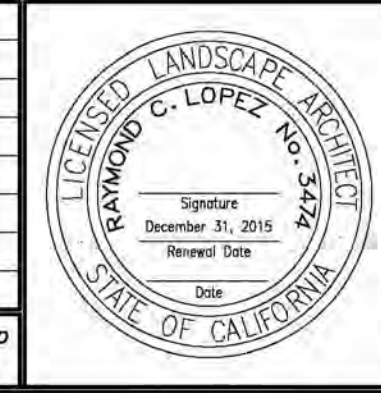
SEE SHEET L-7 FOR PLANT LEGEND

**DIGALERT**  
 CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
 1-800-227-2600  
 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.



PREPARED UNDER THE SUPERVISION OF:  
 PREPARED BY:  
**RAYMOND C. LOPEZ**  
 56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
 (T) 760 / 206-9696 E-mail: RLAscape@AOL.com

DRAWN BY: GM DESIGNED BY: RC  
 CHECKED BY: CL

DATE: 12/31/15  
 EXP. 12/31/15

BASIS OF BEARING:  
 THE BASIS OF BEARING SHOWN HEREON IS N00°26'00"E 2645.13'



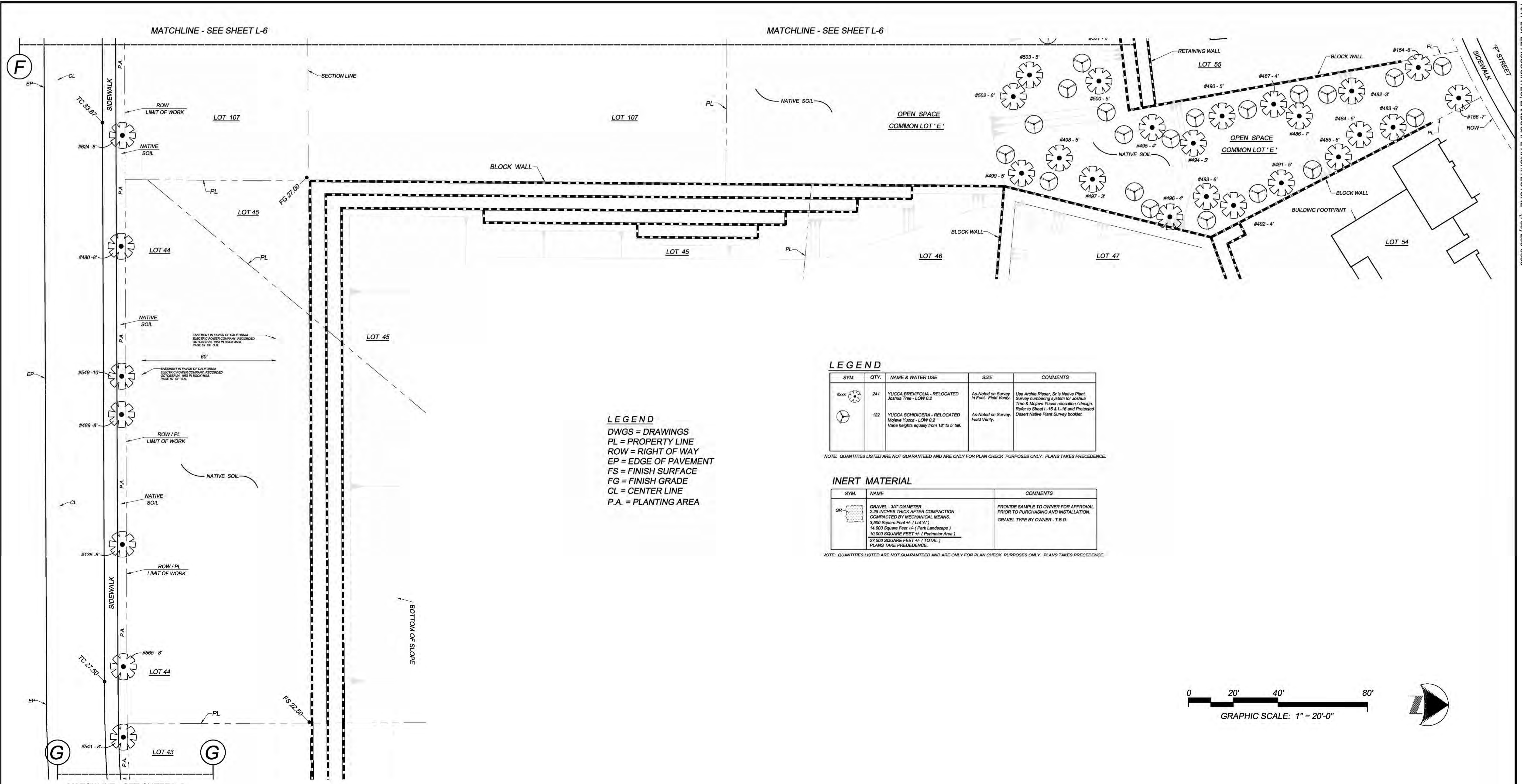
APPROVED BY TOWN:  
 NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

TOWN OF YUCCA VALLEY  
**NATIVE PLANT RELOCATION & LANDSCAPE PLAN**  
 PERIMETER - SAN ANDREAS ROAD & OPEN SPACE AREA  
 SAGE ESTATES  
 SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
 A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
 COPPER HILLS HOMES, 58884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284

PLOT DATE: Oct 21, 2014

SHEET NUMBER  
**L - 6**  
 OF 16 SHEETS  
 SCALE:  
 REFER TO PLAN  
 JOB NUMBER  
 02192014-CHH-YV



**LEGEND**  
 DWGS = DRAWINGS  
 PL = PROPERTY LINE  
 ROW = RIGHT OF WAY  
 EP = EDGE OF PAVEMENT  
 FS = FINISH SURFACE  
 FG = FINISH GRADE  
 CL = CENTER LINE  
 P.A. = PLANTING AREA

**LEGEND**

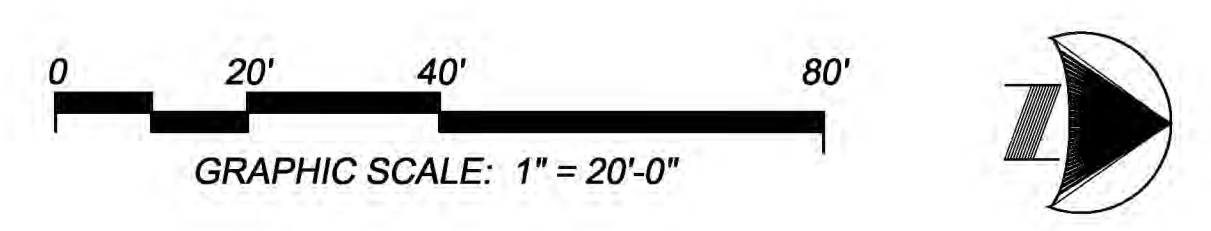
SYM.	QTY.	NAME & WATER USE	SIZE	COMMENTS
	241	YUCCA BREVIFOLIA - RELOCATED Joshua Tree - LOW 0.2	As-Noted on Survey in Field. Field Verify.	Use Archie Riser, Sr.'s Native Plant Survey numbering system for Joshua Tree & Mojave Yucca relocation / design. Refer to Sheet L-15 & L-16 and Protected Desert Native Plant Survey booklet.
	122	YUCCA SCHOTTLANDII - RELOCATED Mojave Yucca - LOW 0.2	As-Noted on Survey. Field Verify.	Refer to Sheet L-15 & L-16 and Protected Desert Native Plant Survey booklet. Varies heights equally from 18" to 5' tall.

NOTE: QUANTITIES LISTED ARE NOT GUARANTEED AND ARE ONLY FOR PLAN CHECK PURPOSES ONLY. PLANS TAKE PRECEDENCE.

**INERT MATERIAL**

SYM.	NAME	COMMENTS
	GRAVEL - 3/4" DIAMETER 2.25 INCHES THICK AFTER COMPACTION COMPACTED BY MECHANICAL MEANS. 3,500 SQUARE FEET +/- (Landscape) 14,000 SQUARE FEET +/- (Perimeter Area) 27,500 SQUARE FEET +/- (TOTAL)	PROVIDE SAMPLE TO OWNER FOR APPROVAL PRIOR TO PURCHASING AND INSTALLATION. GRAVEL TYPE BY OWNER - T.B.D.

NOTE: QUANTITIES LISTED ARE NOT GUARANTEED AND ARE ONLY FOR PLAN CHECK PURPOSES ONLY. PLANS TAKE PRECEDENCE.



APPROVED BY:  
 HI-DESERT WATER DISTRICT

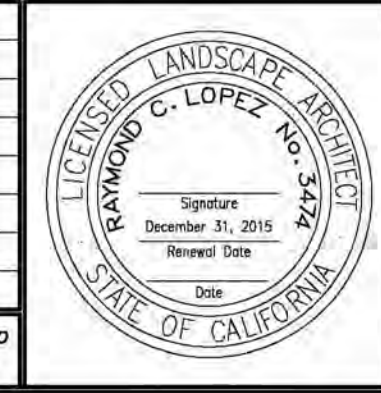
MARK BAN OPERATIONS MANAGER DATE

**DIGALERT**  
 CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
 1-800-227-2600  
 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.



PREPARED UNDER THE SUPERVISION OF:  
 RAYMOND C. LOPEZ DATE: 12/31/15  
 Lic. No. 3474

DRAWN BY: GM DESIGNED BY: RC  
 CHECKED BY: CL

PREPARED BY:  
**RAY LOPEZ ASSOCIATES**  
 LANDSCAPE ARCHITECTURE  
 56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
 (T) 760 / 206-9696 E-mail: RLAscape@AOL.com

BASIS OF BEARING:  
 THE BASIS OF BEARING SHOWN HEREON IS N00°26'00"E 2645.13'

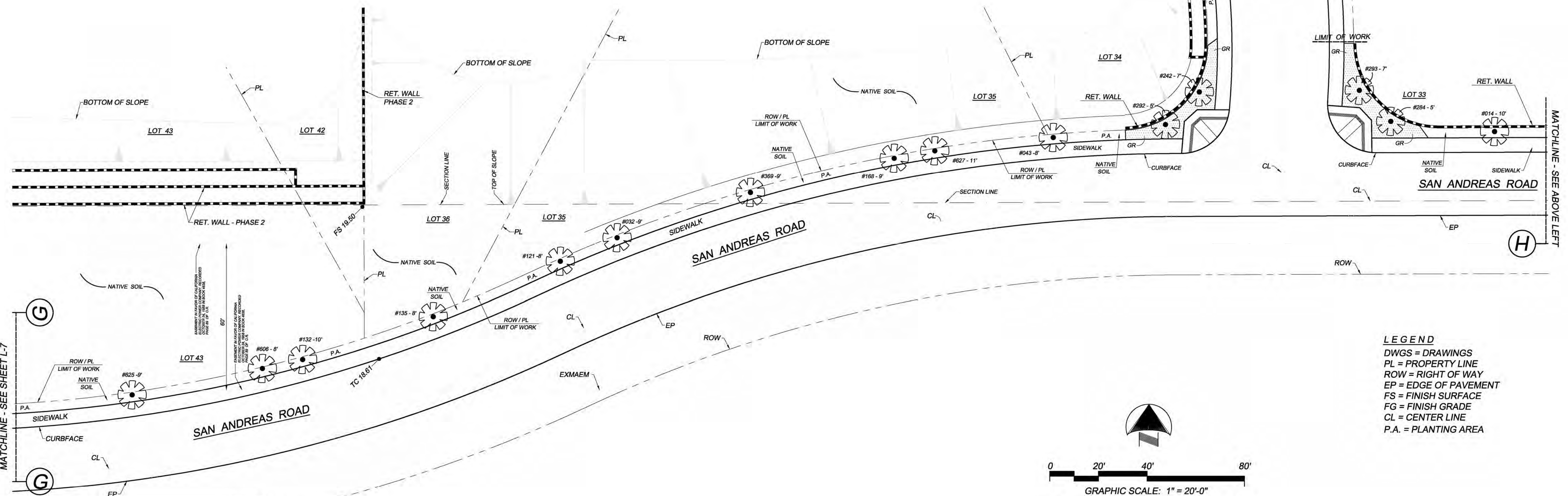
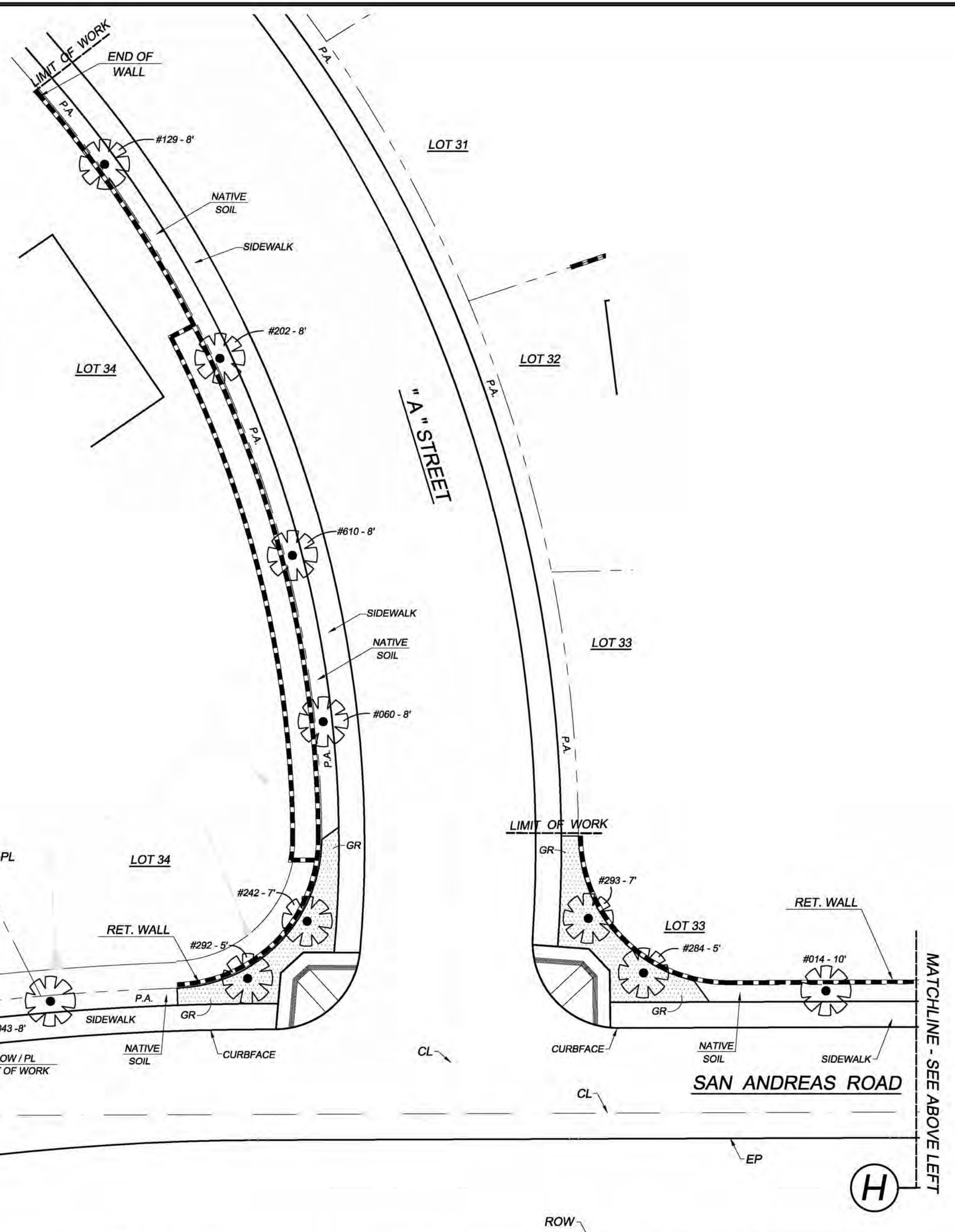
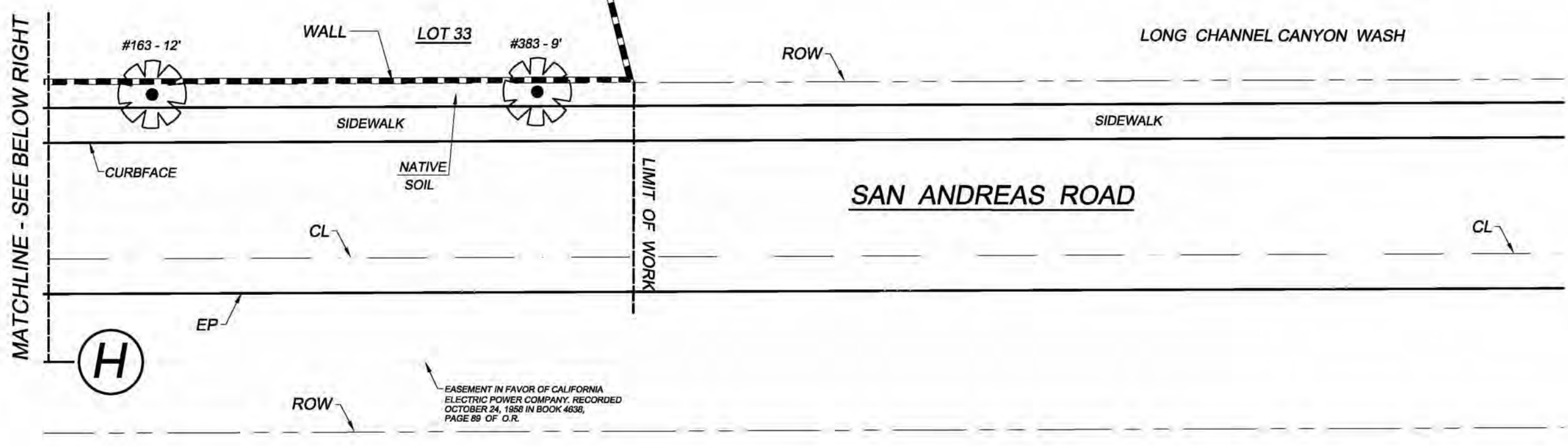
APPROVED BY TOWN:  
 TOWN OF YUCCA VALLEY CALIFORNIA  
 NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

TOWN OF YUCCA VALLEY  
**NATIVE PLANT RELOCATION & LANDSCAPE PLAN**  
 PERIMETER - SAN ANDREAS ROAD & OPEN SPACE AREA  
 SAGE ESTATES  
 SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
 A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

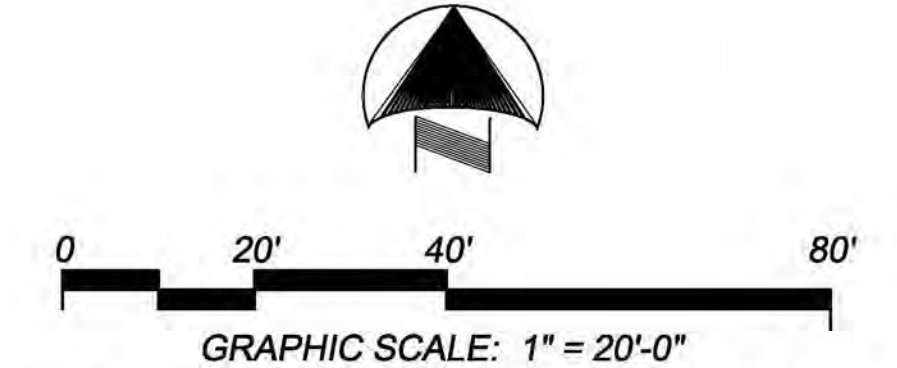
DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
 COPPER HILLS HOMES, 58884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284

PLOT DATE: Oct 21, 2014

SHEET NUMBER  
**L - 7**  
 OF 16 SHEETS  
 SCALE: REFER TO PLAN  
 JOB NUMBER  
 02192014-CHH-YV



- LEGEND**
- DWGS = DRAWINGS
  - PL = PROPERTY LINE
  - ROW = RIGHT OF WAY
  - EP = EDGE OF PAVEMENT
  - FS = FINISH SURFACE
  - FG = FINISH GRADE
  - CL = CENTER LINE
  - P.A. = PLANTING AREA



APPROVED BY:  
HI-DESERT WATER DISTRICT

MARK BAN  
OPERATIONS MANAGER

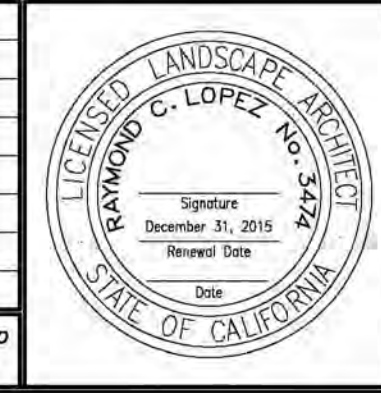
DATE

**DIGALERT**  
CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
1-800-227-2600  
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.



PREPARED UNDER THE SUPERVISION OF:  
RAYMOND C. LOPEZ  
Lic. No. 3474

DATE: EXP. 12/31/15

DRAWN BY: GM  
DESIGNED BY: RC  
CHECKED BY: CL

PREPARED BY:  
**RAY LOPEZ ASSOCIATES**  
LANDSCAPE ARCHITECTURE  
56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
(T) 760 / 206-9696 E-mail: RLAscape@AOL.com

BASIS OF BEARING:  
THE BASIS OF BEARING SHOWN HEREON IS N00°26'00"E 2645.13'



APPROVED BY TOWN:  
NAME  
DATE

**TOWN OF YUCCA VALLEY**  
**NATIVE PLANT RELOCATION & LANDSCAPE PLAN**  
PERIMETER - SAN ANDREAS ROAD  
**SAGE ESTATES**  
SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
COPPER HILLS HOMES, 58884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284

PLOT DATE: Oct 21, 2014

SHEET NUMBER  
**L - 8**  
OF 16 SHEETS  
SCALE:  
REFER TO PLAN  
JOB NUMBER  
02192014-CHH-YV

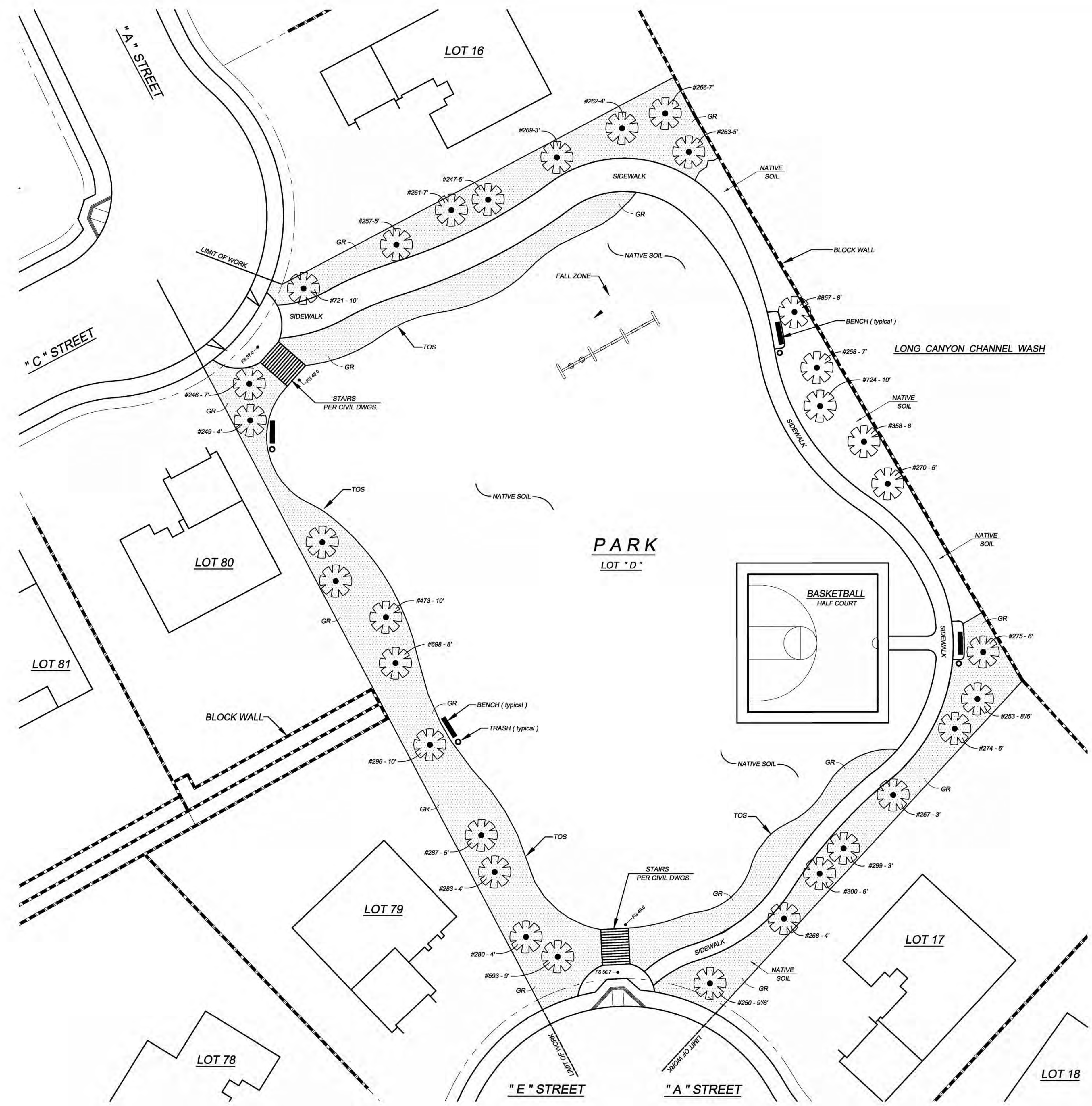


SYM.	QTY.	NAME & WATER USE	SIZE	COMMENTS
	241	YUCCA BREVIFOLIA - RELOCATED Joshua Tree - LOW 0.2		As-Noted on Survey in Field. Field Verify.
	122	YUCCA SCHOTTLANDII - RELOCATED Mojave Yucca - LOW 0.2		As-Noted on Survey. Field Verify.

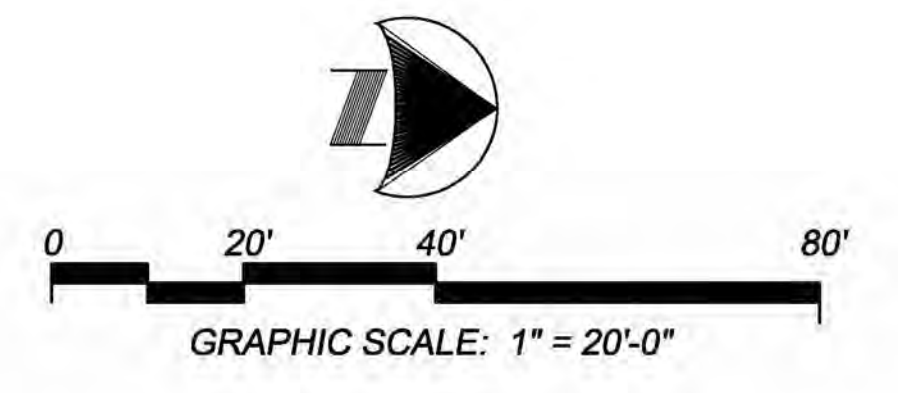
NOTE: QUANTITIES LISTED ARE NOT GUARANTEED AND ARE ONLY FOR PLAN CHECK PURPOSES ONLY. PLANS TAKE PRECEDENCE.

SYM.	NAME	COMMENTS
	GRAVEL - 3/4" DIAMETER 2.0 INCHES THICK AFTER COMPACTION COMPACTED BY MECHANICAL MEANS. 3,900 SQUARE FEET +/- (Lot "A") 14,000 SQUARE FEET +/- (Plant Landscape) 10,000 SQUARE FEET +/- (Perforator Area) 27,900 SQUARE FEET +/- (TOTAL) PLANS TAKE PRECEDENCE.	PROVIDE SAMPLE TO OWNER FOR APPROVAL PRIOR TO PURCHASING AND INSTALLATION. GRAVEL TYPE BY OWNER - T.B.D.

NOTE: QUANTITIES LISTED ARE NOT GUARANTEED AND ARE ONLY FOR PLAN CHECK PURPOSES ONLY. PLANS TAKE PRECEDENCE.



PARK / LOT 'D' SQUARE FOOTAGE PLANTING AREAS  
53,500 SQUARE FEET +/-



APPROVED BY:  
HI-DESERT WATER DISTRICT

MARK BAN  
OPERATIONS MANAGER

DATE

**DIGALERT**  
CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
1-800-227-2600  
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.

PREPARED UNDER THE SUPERVISION OF:  
RAYMOND C. LOPEZ  
Lic. No. 3474  
DATE EXP. 12/31/15

DRAWN BY: GM  
CHECKED BY: CL

PREPARED BY:  
RAY LOPEZ ASSOCIATES  
LANDSCAPE ARCHITECTURE  
56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
(T) 760 / 206-9696 E-mail: RLAscape@AOL.com

BASIS OF BEARING:  
THE BASIS OF BEARING SHOWN HEREON IS N00°26'00"E 2645.13'

APPROVED BY TOWN:  
NAME  
DATE

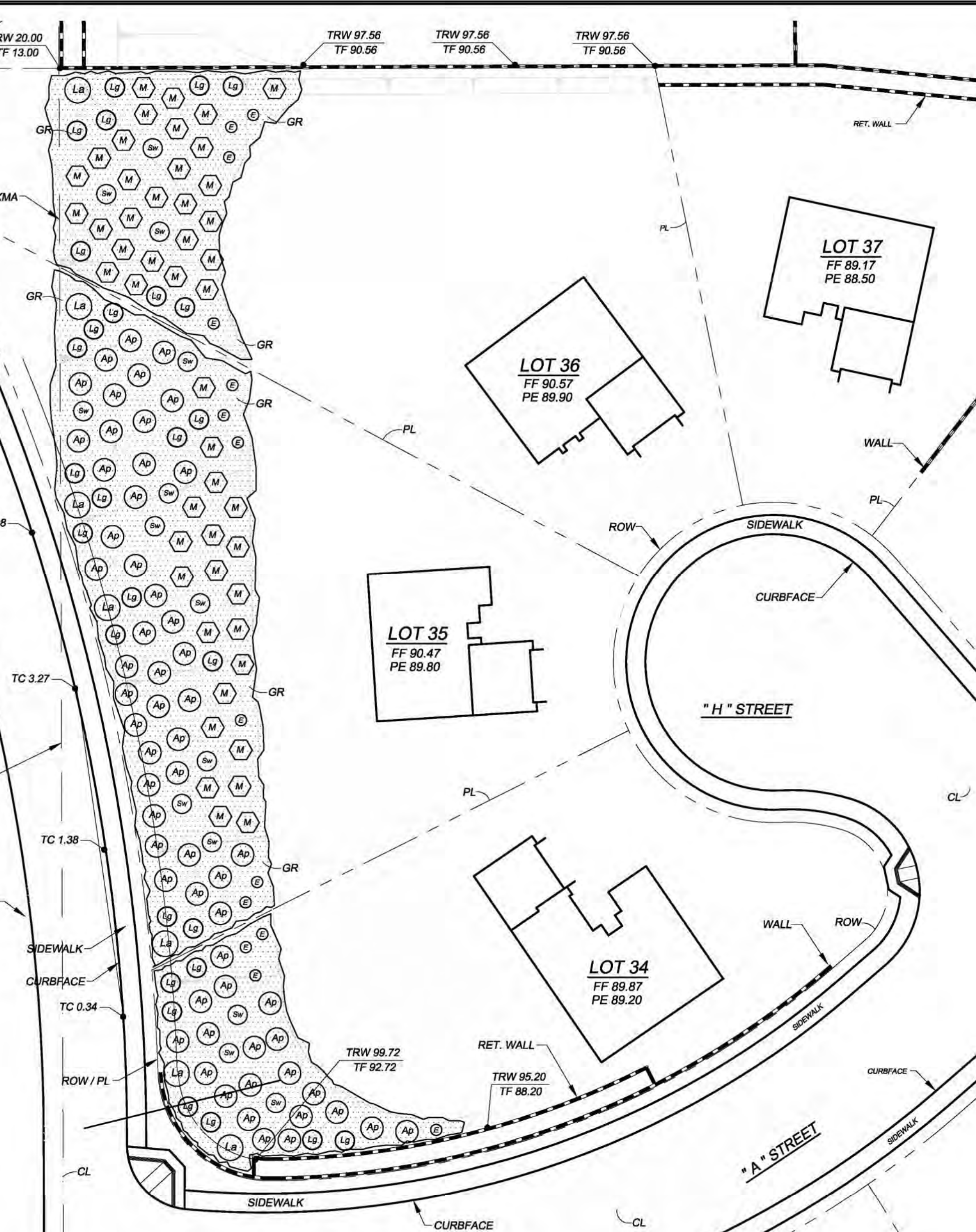
TOWN OF YUCCA VALLEY  
NATIVE PLANT RELOCATION & LANDSCAPE PLAN  
COMMON LOT "D" - PARK  
SAGE ESTATES  
SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
COPPER HILLS HOMES, 56884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284

DATE: Oct 21, 2014

SHEET NUMBER  
L - 9  
OF 16 SHEETS  
SCALE:  
REFER TO PLAN  
JOB NUMBER  
02192014-CHH-YV

1 gallon size = 7/8  
5 gallon size = 1 1/2



**SLOPE PLANTING - LOTS 34, 35 & 36**  
TYPICAL DESIGN

**PLANT LEGEND for SLOPE PLANTING**

SLOPE PLANTING ARE FOR SLOPES WITH 10 FEET OR MORE OF ELEVATION CHANGE.

**SHRUBS**

SYM.	QTY.	NAME & WATER USE	SIZE	COMMENTS - H x W
Ap	76	ACACIA REDOLENS 'Prostrate Acacia' Prostrate Acacia - Low 0.2	1 GALLON	YELLOW FLOWERS 2' x 8" - EVERGREEN
E	18	ENCELIA FARINOSA Brittlebush - Low 0.2	5 GALLON	YELLOW FLOWERS 3h x 3w. FULL SUN
La	9	PYRACANTHA CRENATOSERRATA Red Berried Firethorn - Low 0.2	5 GALLON	ORANGE BERRIES, WHITE PODS 9h x 9w. FULL SUN
Lg	41	LEUCOPHYLLUM FRUTESCENS 'Green Cloud' Green Cloud Texas Ranger - Low 0.2	5 GALLON	PURPLE FLOWERS FLOWERS 5' x 5' FULL to PART SUN
M	88	EPHEDRA VIRDIS Green Mormon Tea - Low 0.2	1 GALLON	LIGHT YELLOW FLOWERS 3h x 3w
Sw	24	CAESALPINIA GILLIESII Yellow Bird of Paradise - Mod 0.5	5 GALLON	YELLOW FLOWERS - Semi Evergreen 6h x 6w. SUN

**INERT MATERIAL**

SYM.	NAME	COMMENTS
GR	GRAVEL - GRAY GRANITE, 3/4" DIAMETER 2.25 INCHES THICK AFTER COMPACTION COMPACTED. 27,000 SQUARE FEET +/- PLANS TAKE PRECEDENCE.	PROVIDE SAMPLE TO OWNER FOR APPROVAL PRIOR TO PURCHASING AND INSTALLATION.

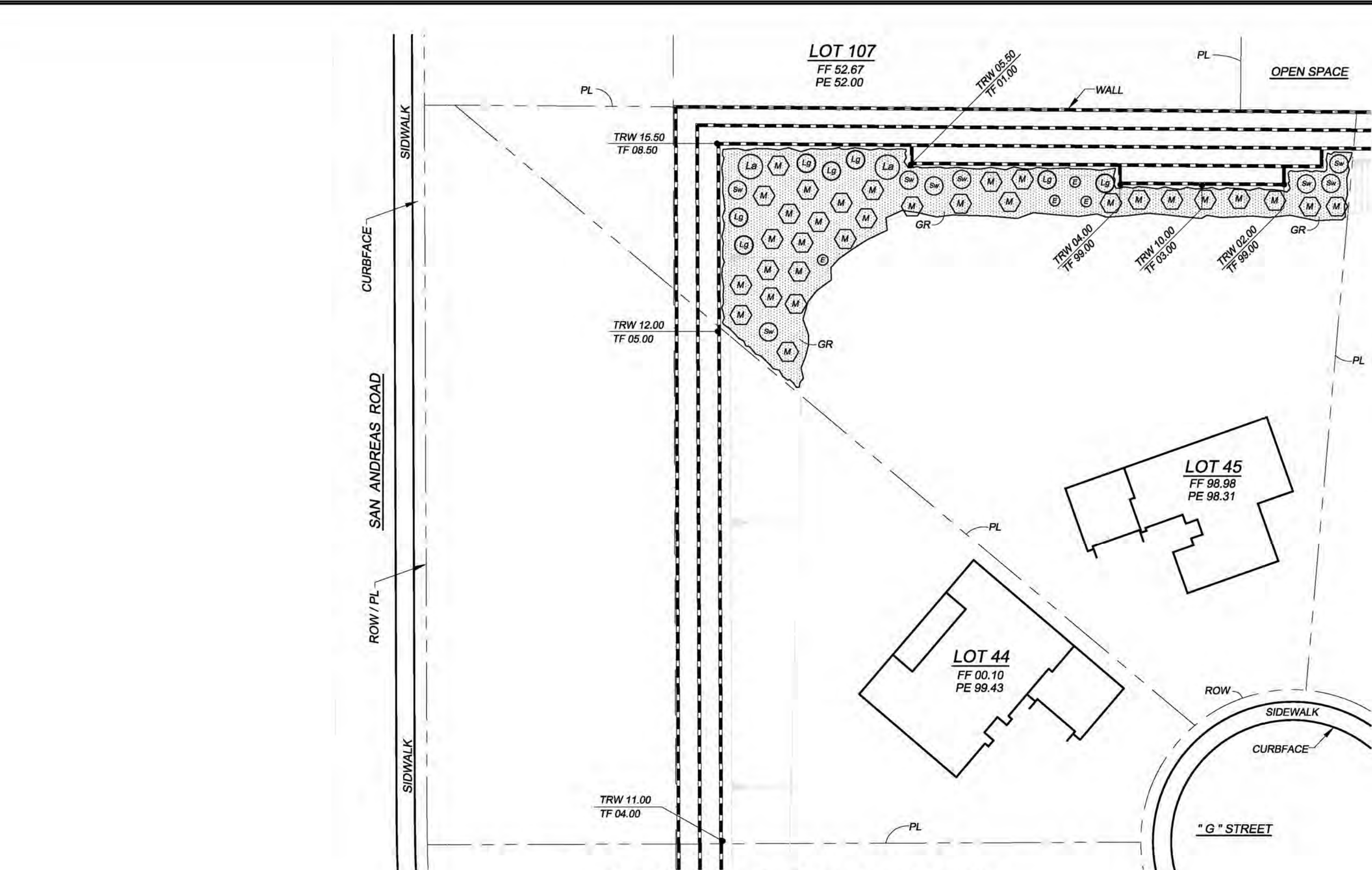
NOTE: QUANTITIES LISTED ARE NOT GUARANTEED AND ARE ONLY FOR PLAN CHECK PURPOSES ONLY.  
PLANS TAKES PRECEDENCE.

FF = FINISH FLOOR  
PE = PAD ELEVATION  
RET. = RETAINING  
TC = TOP OF CURB  
TF = TOP OF FOOTING  
TRW = TOP OF RETAINING WALL  
S.F. = SQUARE FEET

APPROVED BY:  
HI-DESERT WATER DISTRICT



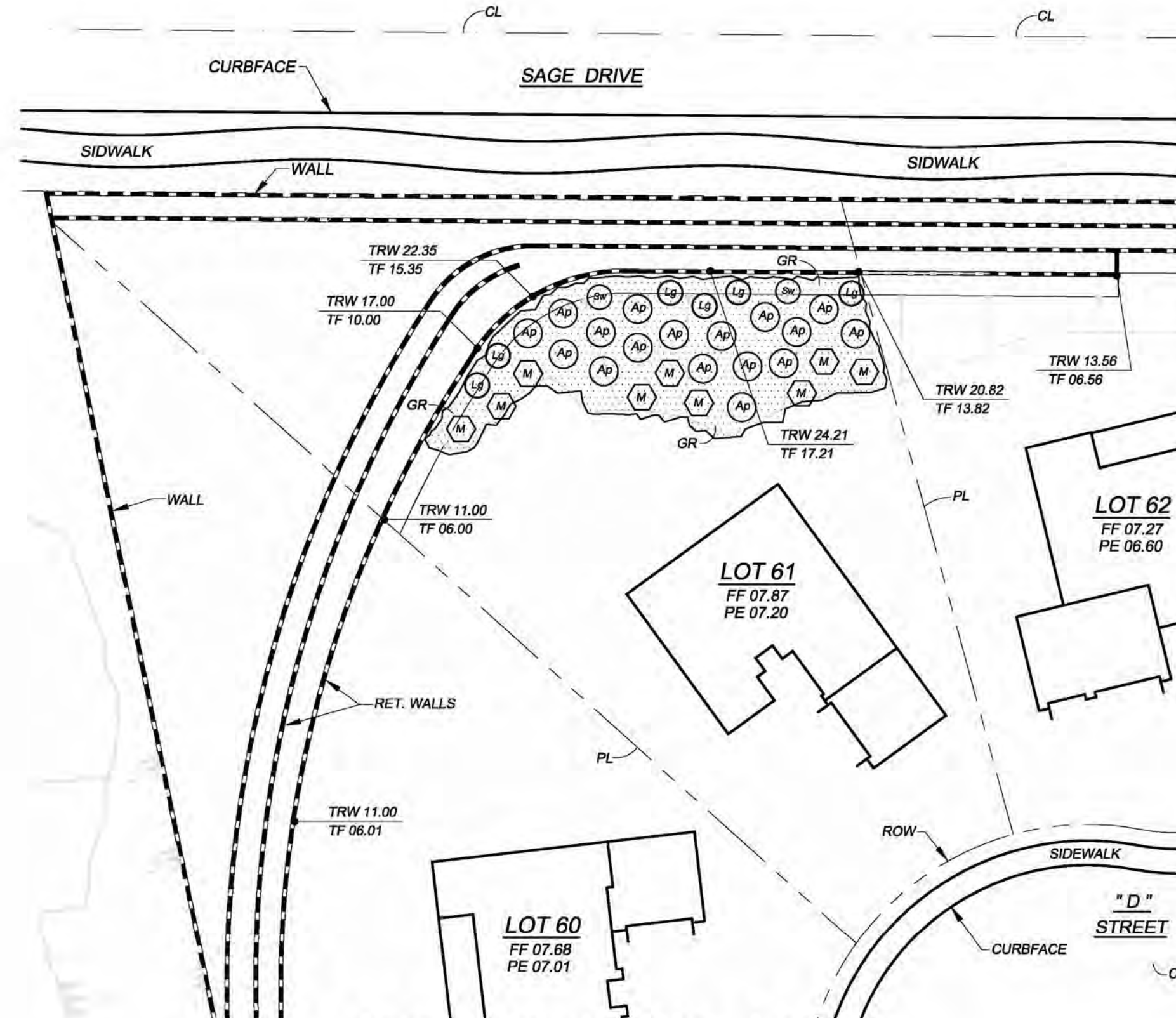
MARK BAN OPERATIONS MANAGER DATE



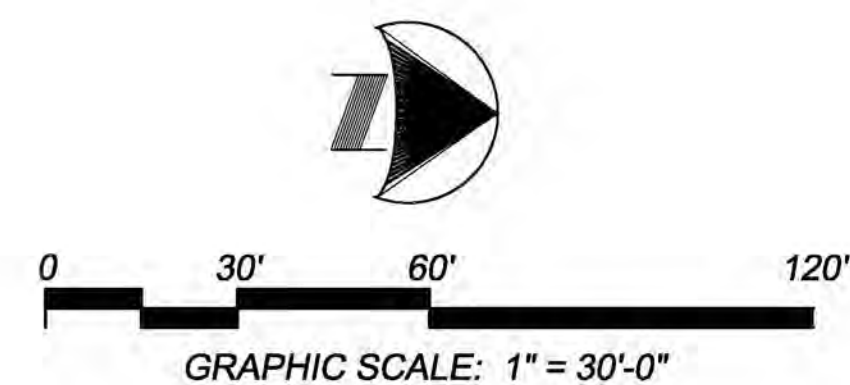
**SLOPE PLANTING - LOT 45**  
TYPICAL DESIGN

**LOT SQUARE FOOTAGES FOR SLOPE PLANTINGS**  
10' + ELEVATION CHANGE

- LOT 34 = 3,500 S.F. +/-
- LOT 35 = 10,000 S.F. +/-
- LOT 36 = 4,800 S.F. +/-
- LOT 45 = 5,000 S.F. +/-
- LOT 61 = 3,400 S.F. +/-
- TOTAL = 26,700 S.F. +/-



**SLOPE PLANTING - LOT 61**  
TYPICAL DESIGN



**DIGALERT**  
CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
1-800-227-2600  
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA  
BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

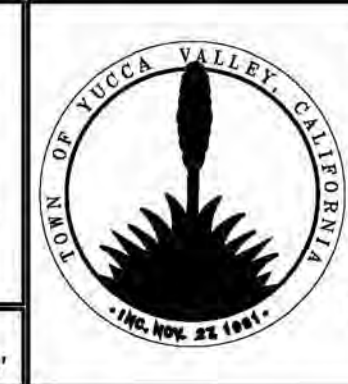
NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.



PREPARED UNDER THE SUPERVISION OF:  
RAYMOND C. LOPEZ  
Lic. No. 3474  
DATE EXP. 12/31/15

PREPARED BY:  
**RAY LOPEZ ASSOCIATES**  
LANDSCAPE ARCHITECTURE  
56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
(714) 760 / 206-9696 E-mail: RLAscape@AOL.com



APPROVED BY TOWN:  
NAME DATE

**TOWN OF YUCCA VALLEY**  
**LANDSCAPE PLAN**  
TYPICAL SLOPE PLANTING - 10' PLUS  
**SAGE ESTATES**  
SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26  
DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
COPPER HILLS HOMES, 56884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284  
PLOT DATE: Oct 21, 2014

SHEET NUMBER  
**L - 10**  
OF 16 SHEETS  
SCALE:  
REFER TO PLAN  
JOB NUMBER  
02192014-CHH-YV

GENERAL CONDITIONS

1. GENERAL

A. THE TERMS AND DEFINITIONS STATED IN THESE GENERAL CONDITIONS SHALL APPLY ALL SECTIONS OF THE SPECIFICATIONS AS SET FORTH FULLY THEREIN.

2. DEFINITIONS

A. SUBCONTRACTOR SHALL MEAN THE SUB-CONTRACTOR OR HIS SUBCONTRACTOR OR HIS SUPPLIER PERFORMING WORK FOR THE LANDSCAPE CONTRACTOR.

SPECIAL CONDITIONS

1. PERMITS AND SURVEYS

THE LANDSCAPE CONTRACTOR SHALL ESTABLISH AND VERIFY THROUGH SURVEY ALL LOT LINES, RIGHT OF WAYS, PROPERTY LINES AND VARIOUS RESTRICTIONS.

2. CONTRACTOR'S RESPONSIBILITIES

THE LANDSCAPE CONTRACTOR SHALL GIVE EFFICIENT SUPERVISION TO THE WORK, USING HIS BEST SKILL AND ATTENTION.

3. HIDDEN OBSTACLES

PRIOR TO CUTTING INTO THE SOIL, THE LANDSCAPE CONTRACTOR SHALL LOCATE ALL CABLES, CONDUITS, SEWERS, SEPTIC TANKS AND SUCH OTHER UTILITIES AS ARE COMMONLY ENCOUNTERED UNDERGROUND AND HIS/HE SHE SHALL TAKE PROPER PRECAUTION AS NOT TO DAMAGE OR DISTURB SUCH IMPROVEMENTS.

4. RESPONSIBILITY FOR WORKMANSHIP

NEITHER COMPLETION OF THE JOB NOR FINAL PAYMENT SHALL RELIEVE THE LANDSCAPE CONTRACTOR OF RESPONSIBILITY FROM THE GUARANTEE STATED IN THE CONTRACT, OR OF RESPONSIBILITY FOR FAULTY MATERIALS OR POOR WORKMANSHIP.

5. TERMINATION OF CONTRACTOR

CLIENT / CONTRACTOR RESERVES THE RIGHT TO TERMINATE THE CONTRACT IF IN HIS REASONABLE OPINION THE LANDSCAPE CONTRACTOR IS NOT PERFORMING THE CONTRACT AS REQUIRED.

6. INSURANCE

THE LANDSCAPE CONTRACTOR SHALL CARRY ALL WORKER'S COMPENSATION, PUBLIC LIABILITY, AND PROPERTY DAMAGE INSURANCE AS REQUIRED BY ALL APPLICABLE CODES, REGULATIONS, AND THE GENERAL CONTRACTOR.

7. INTERPRETATION OF DRAWINGS AND DOCUMENTS

THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR STRICT ADHERENCE TO THE CONTRACT DOCUMENTS. ALL PLANTS, PRODUCTS, AND MATERIALS SHALL BE PROVIDED AS INDICATED ON THE DOCUMENTS.

8. ADDENDUM

ANY AND ALL ADDENDUMS ISSUED BY THE CLIENT DURING TIME OF BIDDING SHALL FORM A PART OF THE DRAWINGS, SPECIFICATIONS AND CONTRACT DOCUMENTS, AND SHALL BE INCLUDED BY THE LANDSCAPE CONTRACTOR IN HIS PROPOSAL.

9. PROPOSAL GUARANTEE

UNLESS OTHERWISE STIPULATED IN WRITING BY THE OWNER, PROPOSAL(S) WHEN SUBMITTED MUST BE ACCOMPANIED BY A PROPOSAL GUARANTEE CONSISTING OF A CERTIFIED CHECK OF BID BOND PAYABLE TO THE OWNER IN THE AMOUNT OF TEN PERCENT (10) OF THE TOTAL AMOUNT BID.

PLANTING SPECIFICATIONS

1. SCOPE OF WORK - SOIL PREPARATION AND PLANTING PER PLAN.

2. MATERIALS

A. GENERAL - ALL MATERIAL SHALL BE BEST AVAILABLE.

1. DO NOT BEGIN SOIL PREPARATION AND PLANTING UNTIL ALL WORK SUCH AS HEADER INSTALLATION, WALKS, PAVING, CONCRETE WORK, ELECTRICAL EXCEPT FOR FIXTURE LOCATION AND FENCING, EXCEPT WHERE ACCESS IS NECESSARY, DRAINAGE WORK, GAS LINE INSTALLATION, IRRIGATION WORK, AND ANY OTHER WORK REQUIRED UNDER PLANS AND SPECIFICATIONS AROUND PLANTING AREAS IS COMPLETED AND APPROVED.

B. PLANTS - PROVIDE CONTAINER GROWN PLANT MATERIAL GROWN IN A RECOGNIZED NURSERY IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE.

1. PLANTS NOT CONFORMING TO THE REQUIREMENTS SPECIFIED WILL BE CONSIDERED DEFECTIVE. SUCH PLANTS, WHETHER IN PLACE OR NOT, WILL BE MARKED AS REJECTED AND SHALL BE IMMEDIATELY REMOVED FROM THE PREMISES.

C. FERTILIZER AND SOIL CONDITIONERS

1. NOT REQUIRED FOR THIS PROJECT. 2. FERTIZE JOSHUA TREES AS RECOMMENED IN SECTION 'Q', 'TRANSPLANTING JOSHUA TREES'.

D. PLANTING INSTRUCTIONS FOR PALMS

CARE OF TRANSPLANTED PALMS IS AS FOLLOWS: 1. UPON ARRIVAL THE PALMS SHOULD BE PLANTED IMMEDIATELY OR STORED FOR NO MORE THAN 3 TO 4 DAYS IN A SHADED AREA WHERE THE TOTAL TREE MUST BE MISTED FREQUENTLY.

4. USE A WASHED CONCRETE SAND FOR BACKFILL, WHICH HAS VARIABLE SIZED GRAINS.

THIS TYPE OF SAND APPEARS TO BE THE BEST TO MEET THE FOLLOWING CRITERIA:

A. SUPPORT TO HOLD THE TREE STRAIGHT, GOOD WATER RETENTION, GOOD DRAINAGE FOR EXCESS WATER, LOW IN SALTS. AS GOOD AS THIS SAND APPEARS TO BE, IF IT IS NOT 'WATERED-IN' CORRECTLY, IT DOES NOT SERVE ITS PURPOSE.

5. WATER (INITIAL) - PALMS SHALL BE PLACED IN THE PIT AND WATERED IN AS THEY ARE BACK-FILLED. WATERING SHALL BE DONE WITH A PIPE STICKER, 6" IN LENGTH TOPPED WITH A 90° ELBOW AND PLACED ON THE END OF ATLEAST A 3/4 INCH HOSE WITH ADEQUATE VOLUME.

6. WATER (SUPPLEMENTAL) - PALMS PREFER LOTS OF WATER IN WELL DRAINED SOIL. IN MOST PLANTING LOCATIONS THIS REQUIRES SUPPLEMENTAL WATERING, IN THE WAY OF A SEPARATE EMITTER/ BUBBLER SYSTEM OR BY HAND WATERING.

3. GENERAL WORK PROCEDURES

WORK PROCEDURES SHALL FOLLOW BEST CUSTOMARY PRACTICE

A. WEEDS

1. APPLY CONTACT HERBICIDES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PRIOR TO APPLICATION MOISTEN AREAS FOR FOURTEEN DAYS TO ENCOURAGE WEED GERMINATION AND GROWTH.

B. GENERAL

INSPECT THE INTEGRITY OF ANY AND ALL WATERPROOFING MEMBRANES AND DRAINAGE SYSTEMS AND REPORT DEFICIENCIES IMMEDIATELY. ENSURE DEFICIENCIES ARE CORRECTED PRIOR TO BEGINNING OF WORK.

C. PRODUCT DELIVERY, STORAGE AND HANDLING

1. PLANTS STOCKPILED ON SITE PRIOR TO PLANTING SHALL BE MAINTAINED PROPERLY AND PROTECTED FROM SUN, DRYING, WIND, MACHINERY, OR ANY OTHER DAMAGE.

D. TREE AND SHRUB PLANTING

1. EXCAVATE PITS WITH VERTICAL SIDES FOR ALL PLANTS, SHRUBS AND TREES. A. THESE PITS SHALL BE THOROUGHLY DUSTED WITH GYPSUM ON SIDES AND BOTTOMS AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING TREES.

E. GROUND COVER PLANTING FROM FLATS - NOT REQUIRED FOR THIS PROJECT

F. PLANTING NOTES

1. BEFORE ANY PLANTS ARE PLANTED, ALL PLANTED AREAS ARE TO HAVE BEEN GRADED IN AN ACCEPTABLE MANNER TO ASSURE POSITIVE DRAINAGE. 2. PLANTING AREAS SHALL BE CULTIVATED SO THAT THERE ARE NO HUMPS OR HOLLOW.

G. SODDED LAWN

1. Rocks and debris larger than one inch in diameter which are brought to the surface by cultivation shall be removed from site. 2. Soil shall be left 2" below finish grade as the sod will bring the level to the proper height.

H. HYDRO-SEEDED LAWN ( NOT REQUIRED FOR THIS PROJECT )

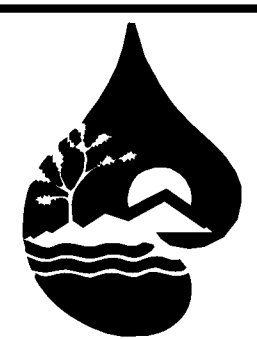
I. POTS AND MOVEABLE PLANT CONTAINERS ( NOT REQUIRED FOR THIS PROJECT )

J. WATERING

1. LAWNS ( SODDED ) i. The soil must be kept moist for the sod to root in the soil below. Watering SOD with 1 inch of water during the early part of the day, everyday, will keep sod viable.

APPROVED BY: HI-DESERT WATER DISTRICT

MARK BAN OPERATIONS MANAGER

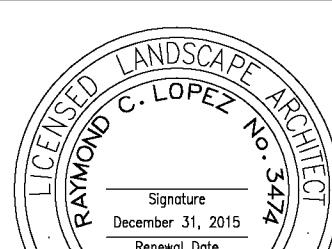


DIGALERT logo with text: CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

Table with columns: NO., BY, DATE, REVISIONS.

CAUTION: The Landscape Architect preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans.



PREPARED UNDER THE SUPERVISION OF: RAYMOND C. LOPEZ, LICENSED LANDSCAPE ARCHITECT

RAY LOPEZ ASSOCIATES LANDSCAPE ARCHITECTURE 56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274



APPROVED BY TOWN: NAME DATE

TOWN OF YUCCA VALLEY LANDSCAPE SPECIFICATIONS SAGE ESTATES

SHEET NUMBER L - 11 OF 16 SHEETS SCALE: REFER TO PLAN

DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994 PLOT: Oct 21, 2014 JOB NUMBER: 02192014-CHH-YV

2. CONTAINER MATERIAL (PLANTS)

- i. IMMEDIATELY AFTER PLANTING, APPLY WATER TO EACH TREE, SHRUB AND VINE BY MEANS OF A HOSE. APPLY WATER IN A MODERATE STREAM IN THE PLANTING HOLE UNTIL THE MATERIAL ABOUT THE ROOTS IS COMPLETELY SATURATED FROM THE BOTTOM OF THE HOLE TO THE TOP OF THE GROUND.
- ii. APPLY WATER IN SUFFICIENT QUANTITIES, AND AS OFTEN AS SEASONAL CONDITIONS REQUIRE TO KEEP THE GROUND WET AT ALL TIMES, WELL BELOW THE ROOT SYSTEM OF GRASS AND PLANTING. DO NOT CAUSE EROSION DAMAGE IN WATERING SLOPES.
- iii. CONTRACTOR SHALL WATER ALL NEW & EXISTING PLANT MATERIAL BY MEANS OF A HOSE, OR BY MANUALLY TURNING ON THE VALVES, OR BY SETTING THE TIMER, UNTIL ACCEPTANCE BY THE OWNER OR BY THE END OF MAINTENANCE PERIOD. CONTRACTOR SHALL WATER IN SUFFICIENT QUANTITIES, AND AS OFTEN AS SEASONAL CONDITIONS REQUIRE TO KEEP THE GROUND WET AT ALL TIMES, WELL BELOW THE ROOT SYSTEM OF GRASS AND OR PLANTING AT NO EXTRA COST TO THE OWNER. DO NOT CAUSE EROSION DAMAGE IN WATERING SLOPES.

K. PROTECTION OF PROJECT

- 1. THE LANDSCAPE CONTRACTOR SHALL CAREFULLY AND CONTINUOUSLY PROTECT AND MAINTAIN ALL AREAS INCLUDED IN THE CONTRACT, INCLUDING LAWN AREAS, PLANT MATERIALS, ETC., UNTIL FINAL ACCEPTANCE OF THE WORK BY OWNER.
- 2. THE MAINTENANCE FOREMAN ON THE JOB SHALL BE A COMPETENT SUPERVISOR, EXPERIENCED IN LANDSCAPE MAINTENANCE AND CAPABLE OF DISCUSSING MATTERS ON THE JOB SITE.
- 3. WORKMAN SHALL PRESENT A NEAT APPEARANCE AT ALL TIMES AND SHALL CONDUCT ALL WORK OPERATIONS AND DEALINGS WITH THE PUBLIC IN A COURTEOUS MANNER. WORKMEN SHALL BE FULLY CLOTHED AT ALL TIMES.

L. INSPECTIONS (2)

- 1. FIRST INSPECTION / WALK-THRU SHALL OCCUR AFTER 'ALL' OF THE LANDSCAPE CONSTRUCTION HAS BEEN COMPLETED. LANDSCAPE CONTRACTOR TO SET UP INSPECTION DATE AND TIME WITH OWNER AND OR LANDSCAPE ARCHITECT. LANDSCAPE CONTRACTOR SHALL PREPARE A 'CORRECTIONS LIST' AND A COPY IS TO BE SENT TO THE OWNER AND LANDSCAPE ARCHITECT. CORRECTIONS SHALL BE MADE WITHIN 10 WORKING DAYS AFTER 'FIRST' INSPECTION / WALK-THRU.
- 2. SECOND INSPECTION TO OCCUR AT END OF 90 DAYS FROM 'FIRST' INSPECTION / WALK-THRU'. LANDSCAPE CONTRACTOR TO SET UP INSPECTION DATE AND TIME WITH OWNER & OR LANDSCAPE ARCHITECT. CONTRACTOR SHALL MAKE FINAL CORRECTIONS WITHIN 10 DAYS OF 'SECOND' INSPECTION / WALK-THRU.

M. GUARANTEES

- 1. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL (EXCEPT FOR BOX TREES) FOR A PERIOD OF 90 DAYS AFTER 'FIRST' INSPECTION AND ACCEPTANCE BY THE LANDSCAPE ARCHITECT & OR OWNER. BOX TREES SHALL BE GUARANTEED FOR (1) ONE YEAR FROM 'FIRST' INSPECTION.
- 2. THE LANDSCAPE CONTRACTOR SHALL WITHIN TEN (10) DAYS OF WRITTEN NOTIFICATION BY LANDSCAPE ARCHITECT, REMOVE AND REPLACE ALL GUARANTEED PLANT MATERIAL WHICH FOR ANY REASON FAILS TO MEET THE REQUIREMENTS OF THE GUARANTEE. REPLACEMENT SHALL BE MADE WITH PLANT MATERIALS ORIGINALLY SPECIFIED AND SHALL MEET ORIGINAL GUARANTEES.
- 3. UNLESS OTHERWISE SPECIFIED HEREIN, THE CONTRACTOR, UPON COMPLETION OF THE ENTIRE WORK DESCRIBED IN THE CONTRACT, SHALL PROVIDE THE CLIENT WITH A WRITTEN GUARANTEE FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE AND THAT DURING SAID ONE YEAR PERIOD, ALL DEFECTIVE WORKMANSHIP AND/OR MATERIALS SHALL BE REPAIRED AND/OR REPLACED IN PLACE, INCLUDING ANY WORK OR OTHER WHICH HAS BEEN DAMAGED BY SUCH DEFECTIVE WORKMANSHIP AND/OR MATERIALS, AND BY THE REPAIR AND/OR REPLACEMENT OF SAME, AT NO ADDITIONAL COST TO THE CLIENT.

N. 90 / 365 DAY MAINTENANCE PERIOD SUPPLIED BY LANDSCAPE CONTRACTOR.

- 1. CONTRACTOR SHALL PROVIDE A 90 DAY MAINTENANCE PERIOD AFTER ACCEPTANCE OF LANDSCAPE INSTALLATION BY OWNER. AN ACCEPTANCE LETTER SHALL BE SUPPLIED BY LANDSCAPE CONTRACTOR AND SIGNED BY OWNER IF AND WHEN OWNER ACCEPTS THE COMPLETED WORK. STARTING DATE OF THE '90 DAY' MAINTENANCE PERIOD SHALL BE NOTED IN ACCEPTANCE LETTER.
- 2. IN ADDITION, CONTRACTOR SHALL PROVIDE THE OWNER WITH A 365 DAY MAINTENANCE PERIOD PROPOSAL OF THE LANDSCAPE INSTALLATION. AN ACCEPTANCE LETTER SHALL BE SUPPLIED TO THE OWNER BY LANDSCAPE CONTRACTOR FOR CONSIDERATION. STARTING DATE SHALL BE NOTED IN PROPOSAL. 365 DAY MAINTENANCE PROPOSAL TO BE SIGNED BY OWNER WHEN OWNER ACCEPTS THE COMPLETED WORK.
- 3. PLANT MAINTENANCE WORK SHALL CONSIST OF APPLYING WATER, WEEDING, CARING FOR, EDGING AND MOWING LAWNS (IF REQUIRED) AND PERFORMING THE FOLLOWING FINAL PLANT ESTABLISHMENT WORK.
  - a. THE ENTIRE PROJECT SHALL BE MAINTAINED FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING FROM THE TIME ALL ITEMS OF WORK HAVE BEEN COMPLETED TO THE SATISFACTION OF OWNER AND LANDSCAPE ARCHITECT.
  - b. DURING THE 90 CALENDAR DAY PERIOD, ALL PLANTS AND PLANTED AREAS SHALL BE KEPT WELL WATERED AND WEED FREE AT ALL TIMES.
  - c. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR DISEASE AND PEST CONTROL DURING THE MAINTENANCE PERIOD.
  - d. LANDSCAPE CONTRACTOR SHALL RAISE OR LOWER IRRIGATION HEADS TO PROPER LEVEL AND SHALL ADJUST HEADS AS NEEDED.
  - e. ALL PLANT MATERIAL THAT SHOWS ANY SIGN OF FAILURE TO GROW AT ANYTIME DURING THE LIFE OF THE CONTRACT, INCLUDING THE MAINTENANCE PERIOD, OR THOSE PLANTS SO INJURED OR DAMAGED AS TO RENDER THEM UNSUITABLE FOR THE PURPOSE INTENDED, SHALL BE REPLACED IN KIND WITHIN TEN (10) DAYS OF WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
  - f. LANDSCAPE CONTRACTOR SHALL PROVIDE OWNER A '365 DAY' BID ALTERNATE FOR MAINTENANCE OF SAID LANDSCAPE.


O. BOULDERS

SIZE AND QUANTITY AS SHOWN ON THE DRAWINGS, SURFACE TO BE FREE OF DISFIGURING MARKS, BROKEN AREAS OR STAINS. 1/3 BURIED IN A NATURAL STATE. UNLESS OTHERWISE NOTED ON THE PLAN, ALL MATERIAL WILL BE BROUGHT FROM (1) SOURCE FOR UNIFORM APPEARANCE. INSTALL PER DIRECTION OF LANDSCAPE ARCHITECT / OWNER.

P. IRRIGATION

- 1. CONTRACTOR TO SUPPLY OWNER WITH IRRIGATION 'AS-BUILTS' ON MYLAR (3 MIL) REPRODUCIBLE ACCEPTABLE TO OWNER AND LANDSCAPE ARCHITECT.
- 2. CONTRACTOR SHALL INSTALL REDUCED SIZED IRRIGATION 'AS-BUILTS' IN IRRIGATION CONTROLLER. 'AS-BUILTS' SHALL BE LAMINATED & PROPERLY SECURED IN CONTROLLER.
- 3. CONTRACTOR SHALL PROGRAM IRRIGATION CONTROLLER AS REQUIRED TO KEEP ALL PLANT MATERIAL IN A HEALTHY STATE.

APPROVED BY:  
HI-DESERT WATER DISTRICT



MARK BAN OPERATIONS MANAGER DATE

**DIGALERT**  
CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
1-800-227-2600  
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.


LICENSED LANDSCAPE ARCHITECT  
RAYMOND C. LOPEZ  
Lic. No. 3474  
December 31, 2015  
Renewal Date

PREPARED UNDER THE SUPERVISION OF:  
RAYMOND C. LOPEZ  
Lic. No. 3474  
DATE EXP. 12/31/15

DRAWN BY: GM DESIGNED BY: RC  
CHECKED BY: CL

PREPARED BY:  
**RAY LOPEZ ASSOCIATES**  
LANDSCAPE ARCHITECTURE  
56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
(T) 760 / 206-9696 E-mail: RLAscape@AOL.com

BASIS OF BEARING:  
THE BASIS OF BEARING SHOWN HEREON IS N00°26'00"E 2645.13'

APPROVED BY TOWN:  
  
NAME DATE

TOWN OF YUCCA VALLEY  
**LANDSCAPE SPECIFICATIONS & DETAILS**  
SAGE ESTATES  
SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

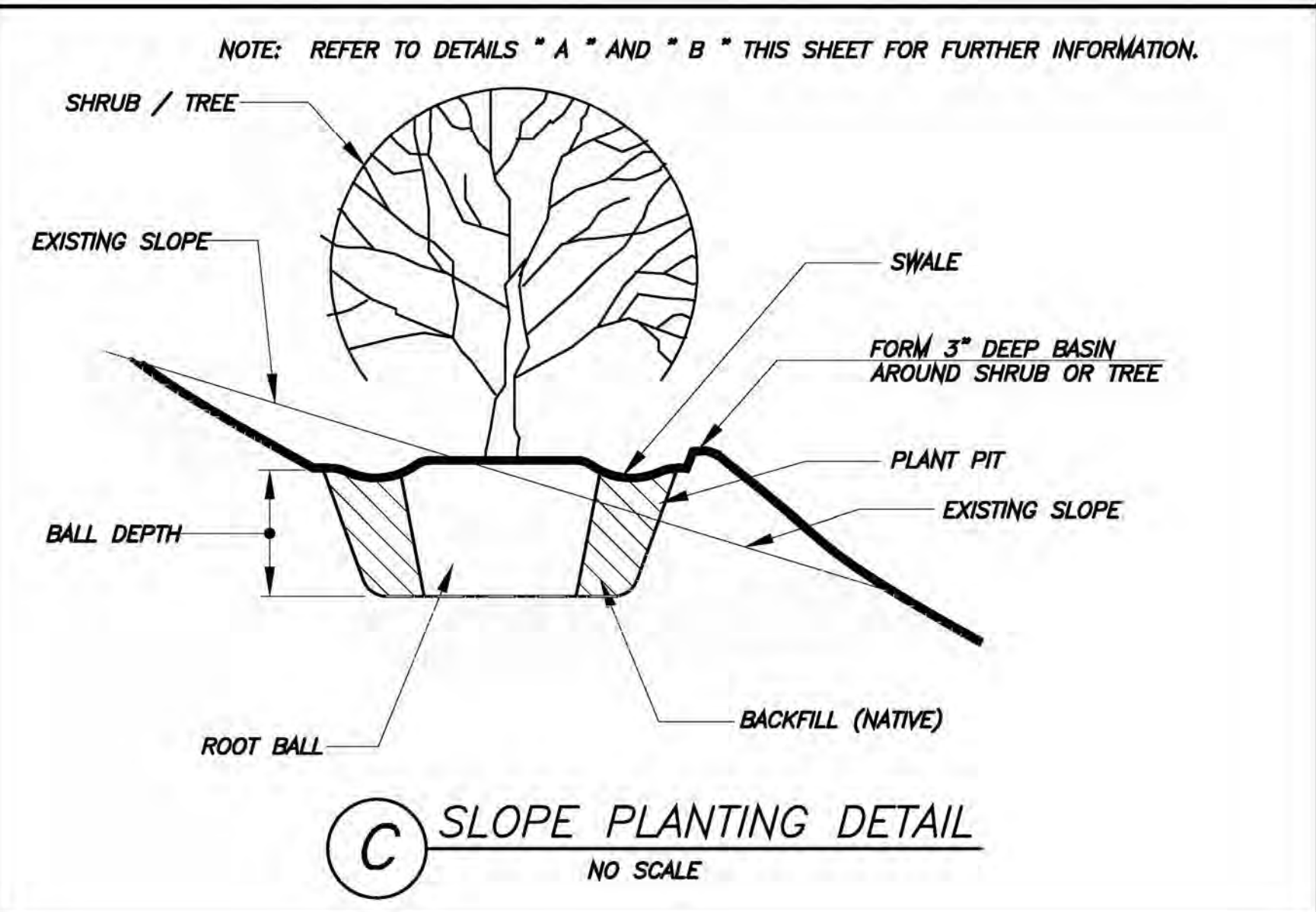
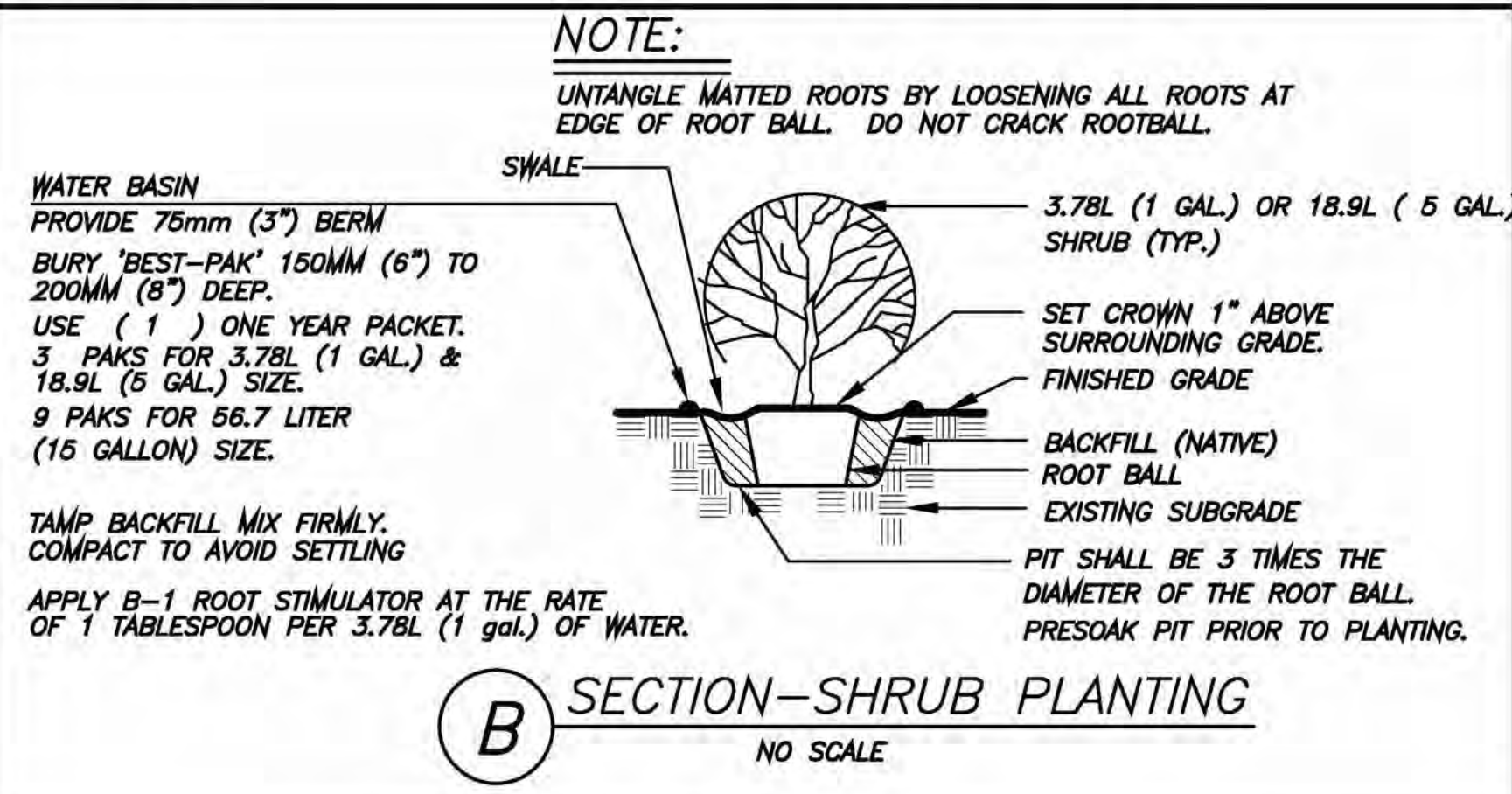
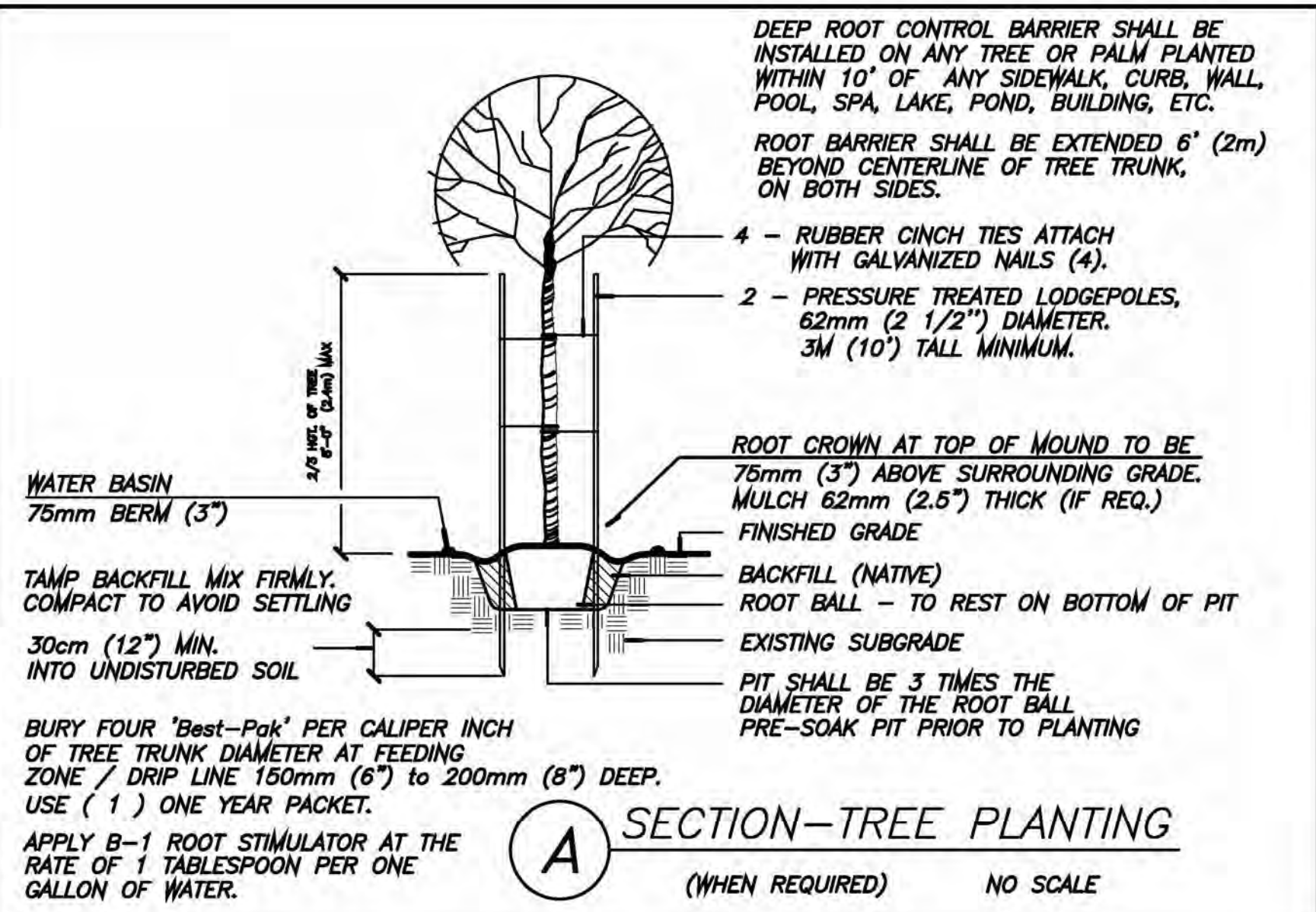
DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
COPPER HILLS HOMES, 56884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284

PLOT DATE: Oct 21, 2014

SHEET NUMBER  
**L - 12**  
OF 16 SHEETS  
SCALE:  
REFER TO PLAN  
JOB NUMBER  
02192014-CHH-YV

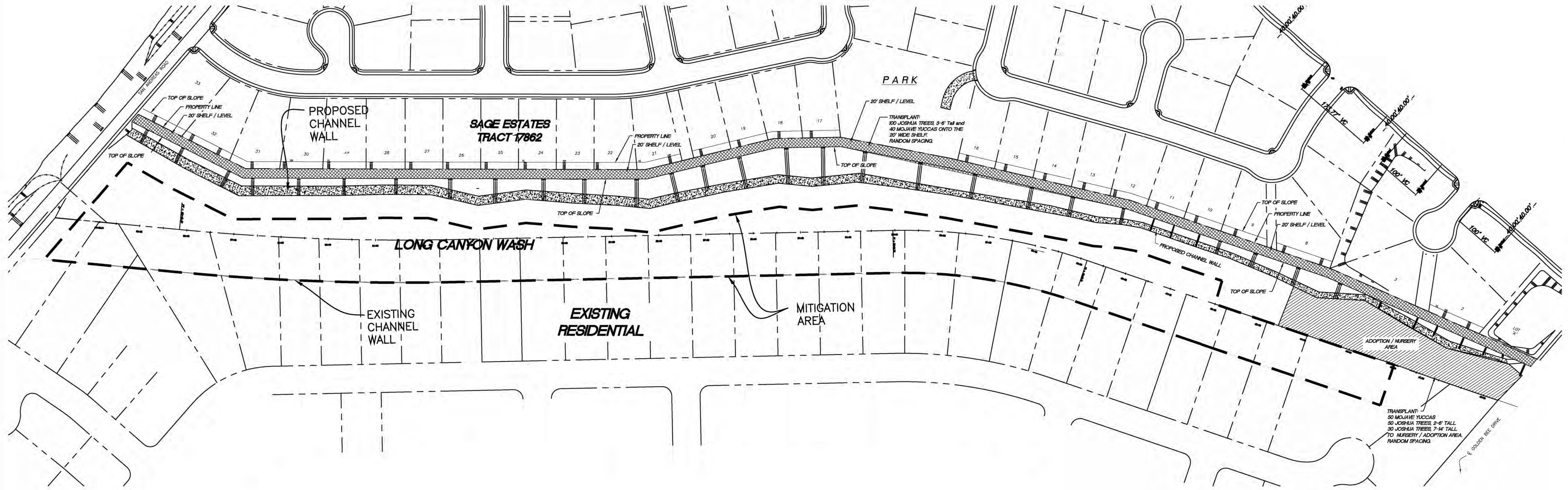
**LANDSCAPE MAINTENANCE SCHEDULE**

- A. IRRIGATION - ONCE A WEEK.
  - 1. PERFORM A WALK-THROUGH FOR VISIBLE SIGNS OF PLANT STRESS.
  - 2. HAVE SYSTEM RUNNING AND CHECK TO SEE THAT EMISSION DEVICES ARE FLOWING AND THERE ARE NO OBSTRUCTIONS.
  - 3. LISTEN FOR RUNNING WATER WHICH COULD INDICATE A BREAK IN THE LINE.
  - 4. ADJUST EMISSION DEVICE LOCATIONS AS NECESSARY TO ASSURE THAT WETTING PATTERNS ARE WITHIN THE PLANT ROOT ZONE.
  - 5. CLEAN OR REPLACE EMISSION DEVICES, VALVES, COUPLERS, VALVE BOXES, CONTROL WIRES, ETC. AS REQUIRED.
  - 6. REPAIR AND OR REPLACE ALL IRRIGATION EQUIPMENT WITH ORIGINALLY INSTALLED COMPONENTS.
  - 7. INSPECT CONTROLLER FOR WATERING TIMES AND GENERAL WORKABILITY.
- B. IRRIGATION - EVERY 1 TO 2 MONTHS.
  - 1. FLUSH LINES AND LOOK FOR SIGNS OF DEBRIS / DIRT IN WATER. FLUSH UNTIL WATER RUNS CLEAR, SHOULD REQUIRE ONLY A FEW SECONDS.
  - 2. EXAMINE AND CLEAN ALL FILTERS. REPLACE FILTER AS REQUIRED.
  - 3. INSPECT VALVES FOR PROPER FLOW.
- C. IRRIGATION - GENERAL.
  - 1. IRRIGATION SCHEDULES SHOULD BE ADJUSTED SEASONALLY.
  - 2. QUICKLY REPAIR ALL IRRIGATION SYSTEM DAMAGE AND RECORD REPAIRS.
  - 3. WHEN IRRIGATION SYSTEMS ARE OUT OF ORDER, TEMPORARY OR ALTERNATIVE WATERING (HAND OR WATERING TRUCK) MAY BE REQUIRED.
- D. LANDSCAPE - ONCE A WEEK.
  - 1. REMOVE ALL WEEDS AS SOON AS POSSIBLE FROM PLANTERS, EXPANSION JOINTS, ETC.
  - 2. VISUALLY INSPECT SHRUBS, TREES AND GROUND COVERS FOR PATTERN OF ABNORMALITY. REPLACE AS-NEEDED WITH LIKE MATERIAL.
  - 3. REMOVE LITTER AND DEBRIS PROPERLY OFF-SITE.
  - 4. VISUALLY INSPECT FOR PEST AND DISEASES AND TREAT AS REQUIRED.
  - 5. ALL WALKWAYS, STREETS, DRIVEWAYS, PARKING AREAS, ETC. SHALL BE KEPT CLEAN AND CLEAR OF DEBRIS AND PLANT GROWTH.
  - 6. MAINTAIN ALL PLANTS IN A MANNER THAT ELIMINATES HAZARDS SUCH AS VISIBILITY IMPAIRMENT OR RIGHT-OF-WAY OBSTRUCTION, PRESERVES OR ENHANCES THE HEALTH OF THE PLANT AND MAINTAINS A DESIRABLE APPEARANCE.
  - 7. RAKE ALL PLANTERS.
- E. LANDSCAPE SHRUBS - EVERY 3 TO 12 MONTHS
  - 1. PRUNE WHEN SHRUBS GROW TOO TALL FOR THE PLANTER AREA, BLOCK VEHICULAR LINE OF SIGHT, BECOME RANGY OR WOODY, HAVE DEAD FLOWER STOCKS AND BLOCK OR HAMPER ACCESS TO SIDEWALKS OR CURB AREAS.
  - 2. VISUALLY INSPECT VINES AND ESPALIER PLANTS TIED TO TRAINING DEVICES AND WHEN NECESSARY SHOULD BE PRUNED AND RE-TIED. WHEN REQUIRED.
- F. LANDSCAPE TREES / PALMS - EVERY 12 MONTHS.
  - 1. TRIM OFF DEAD AND DAMAGED PALM FRONDS INCLUDING SEED AND FRUIT PODS. USUALLY AROUND JUNE, JULY AND AUGUST. DO NOT OVER-PRUNE PALM. FRONDS ARE TO BE REMOVED ONLY WHEN THEY DROP BELOW THE HORIZONTAL LINE.
  - 2. PRUNE TREES IN ACCORDANCE WITH ESTABLISHED LOCAL AND NATIONAL STANDARDS ADOPTED FROM THE 'INTERNATIONAL SOCIETY OF ARBORICULTURE' AND THE 'NATIONAL ARBORIST'S ASSOCIATION'.
  - 3. IF REQUIRED, PRUNE SHRUB GRASSES TO 12 INCHES HIGH. PRUNE AROUND JANUARY.
- G. FERTILIZERS AND USAGE
  - 1. SUPPLEMENTAL FERTILIZING MAY BE REQUIRED TO IMPROVE THE NUTRIENT LEVELS OF THE SOIL. SOIL ANALYSIS SHOULD BE CONDUCTED EVERY 12 TO 24 MONTHS. FERTILIZE EVERY 12 TO 24 MONTHS OR AS-REQUIRED.
  - 2. RECORD ALL FERTILIZER APPLICATIONS AND THE LANDSCAPE MATERIAL THE FERTILIZER WAS APPLIED TO (TREES, SHRUBS, VINES, ETC.).
  - 3. PRIOR TO AND IMMEDIATELY AFTER APPLICATION, THE SURFACE AREA MUST BE WELL WATERED, BUT DO NOT ALLOW THE AREA TO BECOME FLOODED.
  - 4. FERTILIZERS CAN BE ORGANIC OR INORGANIC, DRY OR PELLETS.
  - 5. AFTER APPLYING FERTILIZER, WASH DOWN ALL ADJACENT AREAS TO PREVENT FERTILIZERS FROM STAINING SURFACES.
  - 6. FERTILIZER NEEDS, RATES, FORMULAS AND SCHEDULES VARY FROM PLANT TO PLANT, AND SEASON TO SEASON.
  - 7. TREES, SHRUBS AND GROUND COVERS THAT REQUIRE SUPPLEMENTAL APPLICATIONS SHOULD BE SCHEDULED IN ACCORDANCE WITH THE 'NATIONAL ARBORIST ASSOCIATION' STANDARD FOR FERTILIZING SHADE AND ORNAMENTAL TREES, THE NATIONAL ARBORIST ASSOCIATION STANDARDS, AND IN ACCORDANCE WITH THE RATE INDICATED BY THE MANUFACTURER.
  - 8. FERTILIZING NATIVE OR DESERT TREES, SHRUBS, AND GROUND COVERS IS GENERALLY NOT RECOMMENDED.
- H. TURF - NOT REQUIRED FOR THIS PROJECT.

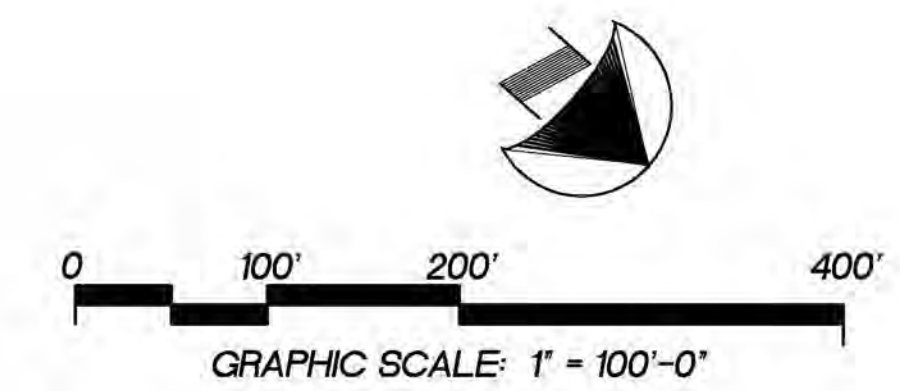


# NATIVE PLANT MANAGEMENT PLAN

## RELOCATION NARRATIVE and PLAN



1. ALL TRANSPLANTING OF NATIVE PLANTS SHALL BE DONE UNDER THE SUPERVISION OF A PROFESSIONAL NATIVE PLANT SPECIALIST. SPECIALIST SHALL ASSIST WITH THE PROCESS REQUIRED TO PROPERLY TRANSPLANT SAID NATIVES TO THEIR FINAL LOCATIONS ON-SITE.
2. JOSHUA TREES - 859 SURVEYED ON-SITE. 526 +/- TO BE RELOCATED OR ADOPTED.
  - A. 89 JOSHUA TREES SHALL BE DESTROYED PER SURVEY REPORT. JOSHUA TREES WERE EITHER DAMAGED, HAZARDOUS, DEAD OR TOO LARGE TO MOVE.
  - B. 241 JOSHUA TREES TO BE TRANSPLANTED IN THE COMMON AREAS. REFER TO LANDSCAPE PLANS. SIZES VARY FROM 3' TO 14' TALL.
  - C. 480 - 3' TO 6' TALL JOSHUA TREES.
    - i. 105 JOSHUA TREES SHALL BE TRANSPLANTED ON THE 105 RESIDENTIAL LOTS.
    - ii. 100 JOSHUA TREES SHALL BE TRANSPLANTED IN A RANDOM SPACING IN THE LONG CANYON CHANNEL WASH. REFER TO PLAN ABOVE FOR PLANTING AREA. LOCATION IS ON 20' WIDE SHELF LOCATED ABOVE PROPOSED CHANNEL WALL. RANDOM SPACE ALONG ENTIRE LENGTH OF CHANNEL WASH.
    - iii. 50 JOSHUA TREES SHALL BE TRANSPLANTED TO THE 'ADOPTION AREA' LOCATED IN THE LONG CANYON CHANNEL WASH ADJACENT TO SAN ANDREAS ROAD. REFER TO PLAN. JOSHUA TREES SHALL BE ADOPTED OUT OR LEFT IN PLACE.
    - iv. DAMAGED, DEAD OR SICK JOSHUA TREES SHALL BE DESTROYED. FIELD VERIFY.
  - D. 69 - 7' TO 14' TALL JOSHUA TREES.
    - i. 30 JOSHUA TREES SHALL BE TRANSPLANTED TO THE 'ADOPTION AREA' LOCATED IN THE LONG CANYON CHANNEL WASH ADJACENT TO GOLDEN BEE DRIVE. REFER TO PLAN. JOSHUA TREES SHALL BE ADOPTED OUT OR LEFT IN PLACE.
    - ii. DAMAGED, DEAD OR SICK JOSHUA TREES SHALL BE DESTROYED. FIELD VERIFY.
  - E. ADDITIONAL JOSHUA TREES MAY BE ADOPTED OUT TO HAWKS LANDING GOLF COURSE and BREHM PARK PER OWNER'S DIRECTIONS. NUMBER OF JOSHUA TREES TO BE DETERMINED.
3. MOJAVE YUCCA - 517 SURVEYED ON-SITE. 422 +/- TO BE RELOCATED OR ADOPTED.
  - A. 210 MOJAVE YUCCAS SHALL BE TRANSPLANTED ON THE 105 RESIDENTIAL LOTS.
  - B. 40 MOJAVE YUCCAS SHALL BE TRANSPLANTED IN THE LONG CANYON CHANNEL WASH. REFER TO PLAN FOR PLANTING AREA. MIX TOGETHER WITH JOSHUA TREES. LOCATION IS ON 20' WIDE SHELF LOCATED ABOVE PROPOSED CHANNEL WALL. RANDOM SPACE ALONG ENTIRE LENGTH OF CHANNEL WASH.
  - C. 50 MOJAVE YUCCAS SHALL BE TRANSPLANTED TO THE 'ADOPTION AREA' LOCATED IN THE LONG CANYON CHANNEL WASH ADJACENT TO GOLDEN BEE DRIVE. REFER TO PLAN. MOJAVE YUCCAS SHALL BE ADOPTED OUT OR LEFT IN PLACE.
  - D. DAMAGED, DEAD OR SICK MOJAVE YUCCAS SHALL BE DESTROYED. FIELD VERIFY.
  - E. 122 MOJAVE YUCCAS TO BE TRANSPLANTED IN THE COMMON AREAS. REFER TO LANDSCAPE PLANS. VARY SIZES FROM 18" TO 5' TALL.
4. CALIFORNIA JUNIPER - 14 SURVEYED ON-SITE.
  - A. SURVEY STATES: PROTECT-IN-PLACE OR DESTROY. UNABLE TO PROTECT-IN-PLACE IN SURVEYED LOCATIONS. ALL 14 JUNIPERS SHALL BE DESTROYED.
5. PARRY'S NOLINA - 16 SURVEYED ON-SITE.
  - A. ALL 16 NOLINA'S ARE LOCATED IN COMMON LOT 'E' AND ARE TO BE 'PROTECTED IN PLACE'.
  - B. TRANSPLANT NOLINA(S) ONLY IF PLANT IS WITHIN THE 'CONSTRUCTION ZONE' AND COULD POSSIBLY BE DAMAGED OR DESTROYED DURING THE CONSTRUCTION PROCESS. FIELD VERIFY. RELOCATE IN LOT 'E'. NOLINAS DO NOT APPEAR TO BE IN CONSTRUCTION ZONE. FIELD VERIFY.
6. COTTONTOP BARREL - 2 SURVEYED ON-SITE.
  - A. BOTH COTTONTOP BARREL CACTUS ARE LOCATED IN LOT 'E' ADJACENT TO LOT #107.
  - B. TRANSPLANT COTTONTOP(S) ONLY IF PLANT IS WITHIN THE 'CONSTRUCTION AREA' AND COULD POSSIBLY BE DAMAGED. RELOCATE IN LOT 'E'.
7. HEDGEHOG CACTUS - 48 SURVEYED ON-SITE.
  - A. TRANSPLANT ALL HEDGEHOGS LOCATED IN 'CONSTRUCTION ZONE' TO COMMON LOT 'E'.
8. BEAVERTAIL CACTUS - 42 SURVEYED ON-SITE.
  - A. TRANSPLANT ALL BEAVERTAIL CACTUS LOCATED IN 'CONSTRUCTION ZONE' TO COMMON LOT 'E'.
9. CHOLLA CACTUS (numerous). PROTECT-IN-PLACE OR DESTROY.
10. THE AREA(S) OUTSIDE THE SCOPE-OF-WORK SHALL BE LEFT IN ITS CURRENT CONDITION.
11. DESERT NATIVE PLANT SURVEY CONTENTS:
  - 859 JOSHUA TREE - YUCCA BREVIFOLIA
  - 517 MOJAVE YUCCA - YUCCA SCHIDIGERA
  - 14 CALIFORNIA JUNIPER - JUNIPERUS CALIFORNICA
  - 16 PARRY'S NOLINA - NOLINA PARRYI
  - 2 COTTONTOP BARREL - ECHINOCACTUS POLYCEPHALUS
  - 48 HEDGEHOG CACTUS - ECHINOCACTUS ENGELMANNII
  - 42 BEAVERTAIL CACTUS - OPUNTIA BASILARIS
  - NUMEROUS CHOLLA CACTUS - OPUNTIA ECHINOCARPA
12. IT IS PROPOSED THAT THE 63.4 ACRE +/- 'GRADING DEVELOPMENT' WILL OCCUR IN ONE (1) PHASE.
13. GRADING FOR THE SITE WILL NECESSITATE THE RELOCATION OF SOME OF THE VIABLE NATIVE PLANTS TO A TEMPORARY NURSERY LOCATED IN THE 'ADOPTION AREA' UNTIL GRADING IS COMPLETED. 'ADOPTION AREA' IS LOCATED IN THE LONG CANYON CHANNEL ADJACENT TO SAN ANDREAS ROAD. REFER TO PLAN.



APPROVED BY:  
HI-DESERT WATER DISTRICT

MARK BAN  
OPERATIONS MANAGER

DATE



**DIGALERT**  
IT'S THE LAW! DIAL BEFORE YOU DIG!  
CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
1-800-227-2600  
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.



PREPARED UNDER THE SUPERVISION OF:  
RAYMOND C. LOPEZ  
DATE: EXP. 12 / 31 / 15  
DRAWN BY: GM DESIGNED BY: RC  
CHECKED BY: CL

PREPARED BY:  
**RAY LOPEZ ASSOCIATES**  
LANDSCAPE ARCHITECTURE  
56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
(T) 760 / 206-9696 E-mail: RLAscape@AOL.com

BASIS OF BEARING:  
THE BASIS OF BEARING SHOWN HEREON IS N00°26'00"E 2645.13'



APPROVED BY TOWN:  
NAME DATE

TOWN OF YUCCA VALLEY  
NATIVE PLANT MANAGEMENT PLAN  
RELOCATION NARRATIVE and PLAN  
SAGE ESTATES  
SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
A.P.N.s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
COPPER HILLS HOMES, 56884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284

PLOT DATE: Oct 21, 2014

SHEET NUMBER  
**L - 13**  
OF 16 SHEETS  
SCALE:  
REFER TO PLAN  
JOB NUMBER  
02192014-CHH-YV

# NATIVE PLANT MANAGEMENT PLAN

## TRANSPLANTING and MAINTENANCE NOTES

### A. JOSHUA TREE - YUCCA BREVIFOLIA

- JOSHUA TREES 6' TALL AND UNDER - BAREROOT TRANSPLANT  
MOISTEN GROUND AROUND BASE/CORM TWO (2) WEEKS PRIOR TO TRANSPLANTING. DIG A SMALL DITCH COMPLETELY AROUND CORM 8 TO 10' AWAY. DITCH SIZE SHALL BE SHOVEL-DEEP + SHOVEL-WIDE. FILL DITCH WITH WATER EVERY 4 DAYS (3 WATERINGS TOTAL). AFTER SOAKING GROUND, DIG COMPLETELY AROUND CORM 12 TO 18" AWAY TO EXPOSE ROOTBALL. BEING VERY CAREFUL AS TO NOT DAMAGE THE CORM THAT IS BELOW + ABOVE GRADE. CAREFULLY PRY + LIFT JT OUT OF THE GROUND. HAND MOVE BAREROOT JT BY CANVAS TARP, BLANKET STRIPS OR TOWEL. USE STURDY GLOVES AT ALL TIMES.  
USE A MINIMUM OF TWO (2) LANDSCAPERS TO TRANSPLANT JOSHUA TREES.
- JOSHUA TREES 7' TO 14' TALL - TREE SPADE TRANSPLANT  
MOISTEN GROUND AROUND BASE/CORM TWO (2) WEEKS PRIOR TO TRANSPLANTING. DIG A SMALL DITCH COMPLETELY AROUND CORM 8 TO 10' AWAY. DITCH SIZE SHALL BE SHOVEL-DEEP + SHOVEL-WIDE. FILL DITCH WITH WATER EVERY 4 DAYS (3 WATERINGS TOTAL). AFTER SOAKING GROUND, USE TREE-SPADE TO TRANSPLANT JT BEING VERY CAREFUL AS TO NOT DAMAGE THE CORM ABOVE AND BELOW GRADE. CAREFULLY LIFT JT OUT OF THE GROUND. USE TREE-SPADE TO REMOVE + INSTALL JOSHUA TREE.  
USE STURDY GLOVES AT ALL TIMES.  
GUY-WIRE JOSHUA TREES THAT ARE 7' AND TALLER WHEN REQUIRED. SEE DETAIL "A", THIS SHEET.
- PRUNE OFF ANY DAMAGED/INJURED ROOTS. CUT ROOTS TO 3/4" LENGTH. DUST ALL INJURIES, CUTS AND OTHER WOUNDS IMMEDIATELY WITH POWDERED SULFUR TO LESSEN THE CHANCE OF INFECTION AND TO HASTEN CALLUSING. MOISTEN INJURED AREA(S) WITH WATER IF INJURY IS OLD PRIOR TO APPLYING SULFUR.
- AFTER REMOVAL, PLACE JT IN IMMEDIATELY IN THE NEW LOCATION.
- DIG A HOLE IN THE NEW LOCATION, 2 TIMES AS WIDE AS THE DIAMETER OF THE ROOT BALL. DEPTH APPROXIMATELY THE SAME AS ROOT BALL.
- FILL IN PLANT PIT WITH WATER AND ALLOW WATER TO COMPLETELY DRAIN BEFORE PLANTING.
- PLACE JT IN PLANT PIT MAINTAINING THE SAME PLANTING DEPTH WITH WHICH IT WAS REMOVED. TAMP DOWN SOIL AROUND JOSHUA TREE. GUY-WIRE THE JOSHUA TREE WHEN REQUIRED.
- PLANT IN WELL DRAINED SOIL.
- WATERING - WATER JT AFTER PLANTING. ONLY WATER IN THE WARM MONTHS (MARCH THRU OCTOBER) IN THE YEAR FOLLOWS TRANSPLANTING. ONCE ESTABLISHED, JOSHUA TREES REQUIRE NO WATER EXCEPT IN EXTREME DROUGHT CONDITIONS.  
WATER ONCE A MONTH WHEN IN ADOPTION AREA/TEMPORARY NURSERY. ALWAYS ALLOW SOIL AROUND CORM TO DRY-OUT BETWEEN WATERINGS.  
DO NOT ALLOW WATER TO REST AGAINST THE CORM AT ANY TIME.
- REMOVE ANY DEAD LEAVES.
- NO FERTILIZER IS REQUIRED.
- TRANSPLANT DURING WARM MONTHS RATHER THAN IN WINTER.
- MAINTAIN SAME NORTH/SOUTH ORIENTATION WHEN TRANSPLANTING.
- USE SAME TRANSPLANTING METHOD WHEN TRANSPLANTING TO THE TEMPORARY NURSERY AND OR FINAL LOCATION.
- DESTROY ANY JOSHUA TREE 15' OR TALLER. ADOPT OUT IF POSSIBLE.

### B. MOJAVE YUCCA - YUCCA SCHIDIGERA

- TO REMOVE PLANT FROM ITS ORIGINAL LOCATION, MOISTEN GROUND AROUND BASE OF PLANT PRIOR TO TRANSPLANTING. CUT THE SHALLOW ROOTS BY FORCING A SHARP SHOVEL BLADE-DEPTH INTO THE SOIL COMPLETELY AROUND THE PLANT ABOUT 6" TO 12" AWAY FROM THE BASE. THEN DIG UNDER AND CAREFULLY PRY AND LIFT THE PLANT OUT OF THE GROUND. USE CARE TO MINIMIZE INJURY TO THE PLANT. ALLOW ANY LOOSE SOIL TO FALL AWAY FROM THE ROOTS. HAND-MOVE PLANT BY CANVAS TARP, BLANKET STRIPS OR TOWEL. USE STURDY GLOVES AT ALL TIMES. REMOVE ANY DEAD LEAVES.
- PRUNE OFF ANY DAMAGED/INJURED ROOTS. DUST ALL INJURIES, CUTS AND OTHER WOUNDS IMMEDIATELY WITH POWDERED SULFUR TO LESSEN THE CHANCE OF INFECTION AND TO HASTEN CALLUSING. MOISTEN INJURED AREA(S) WITH WATER IF INJURY IS OLD PRIOR TO APPLYING SULFUR.
- AFTER REMOVAL, PLACE YUCCA IN A DRY + SHADY LOCATION TO DRY OUT THE ROOTS. LET YUCCA SIT AND DRY FOR ABOUT A WEEK. TWO (2) WEEKS AT THE MOST.
- DIG A HOLE IN THE NEW LOCATION, 2 TIMES AS WIDE AS THE DIAMETER OF THE ROOT BALL. DEPTH APPROXIMATELY THE SAME AS ROOT BALL.
- FILL IN PLANT PIT WITH WATER AND ALLOW WATER TO COMPLETELY DRAIN BEFORE PLANTING.
- PLACE PLANT IN PIT LEVEL WITH FINISH GRADE AND TAMP DOWN SOIL AROUND YUCCA.
- PLANT IN WELL DRAINED SOIL.
- WATERING - WATER PLANT IMMEDIATELY AFTER PLANTING AND THEN CONTINUE TO LIGHTLY WATER PLANT ONCE A MONTH FOR 1 YEAR. ONCE ESTABLISHED, MOJAVE YUCCAS REQUIRE NO WATER EXCEPT IN EXTREME DROUGHT CONDITIONS.  
IN ADOPTION AREA/TEMPORARY NURSERY, WATER ONCE A MONTH.
- NO FERTILIZER IS REQUIRED.
- TRANSPLANT DURING WARM MONTHS RATHER THAN IN WINTER.
- MAINTAIN SAME NORTH/SOUTH ORIENTATION WHEN TRANSPLANTING.
- USE SAME TRANSPLANTING METHOD WHEN TRANSPLANTING TO THE TEMPORARY NURSERY AND OR FINAL LOCATION.
- REMOVE ANY DEAD LEAVES. PULL DEAD/GRAY LEAVES SIDEWAYS TO REMOVE. YELLOW/DEAD LEAVES CUT AT A 45° ANGLE.

### C. COTTONTAIL BARREL CACTUS - ECHINOCACTUS POLYCEPHALUS

- MAINTAIN SAME NORTH/SOUTH ORIENTATION WHEN TRANSPLANTING.
- TO REMOVE COTTONTAIL FROM ITS ORIGINAL LOCATION, FIRST CUT THE SHALLOW ROOTS BY FORCING A SHARP SHOVEL BLADE-DEPTH INTO THE SOIL COMPLETELY AROUND + UNDER THE PLANT ABOUT 6" TO 12" AWAY FROM THE BASE. GENTLY LEVER THE CACTUS LOOSE. USE CARE TO MINIMIZE INJURY TO THE PLANT. ALLOW ANY LOOSE SOIL TO FALL AWAY FROM THE ROOTS. HAND-MOVE CACTI BY WITH BURLAP, CANVAS TARP, BLANKET STRIPS OR TOWEL. USE STURDY GLOVES AT ALL TIMES.
- PRUNE OFF ANY DAMAGED ROOTS. THEN PRUNE BACK THE REMAINING LATERAL ROOT STUBS, LEAVING THEM 5 TO 10 INCHES LONG. DUST THESE CUTS AND OTHER WOUNDS IMMEDIATELY WITH POWDERED SULFUR TO LESSEN THE CHANCE OF INFECTION AND TO HASTEN CALLUSING.
- DIG A HOLE IN THE NEW LOCATION, 2 TIMES AS WIDE AS THE CACTI. IF YOU FOUND SHALLOW ROOTS, DID SHALLOW TRENCHES FOR THEM TO LIE IN. DEPTH SHOULD APPROXIMATELY BE SAME AS THE ROOT BALL.
- FILL IN PLANT HOLE WITH WATER AND ALLOW WATER TO COMPLETELY DRAIN BEFORE PLANTING.
- PLANT WITH THE CROWN FACING ITS ORIGINAL DIRECTION AND TAMP DOWN SOIL.
- PLANT IN WELL DRAINED SOIL.
- WATERING - WATER LIGHTLY TWICE A MONTH FOR 12 WEEKS. THEN GRADUALLY LENGTHEN TIME BETWEEN WATERINGS FOR 1 YEAR. ONCE ESTABLISHED, BARREL CACTUS REQUIRE NO WATER EXCEPT IN EXTREME DROUGHT CONDITIONS.  
IN ADOPTION AREA/TEMPORARY NURSERY, WATER TWICE A MONTH.
- NO FERTILIZER IS REQUIRED.
- USE SAME TRANSPLANTING METHOD WHEN TRANSPLANTING TO THE TEMPORARY NURSERY AND OR FINAL LOCATION.

### D. BEAVERTAIL CACTUS - OPUNTIA BASILARIS

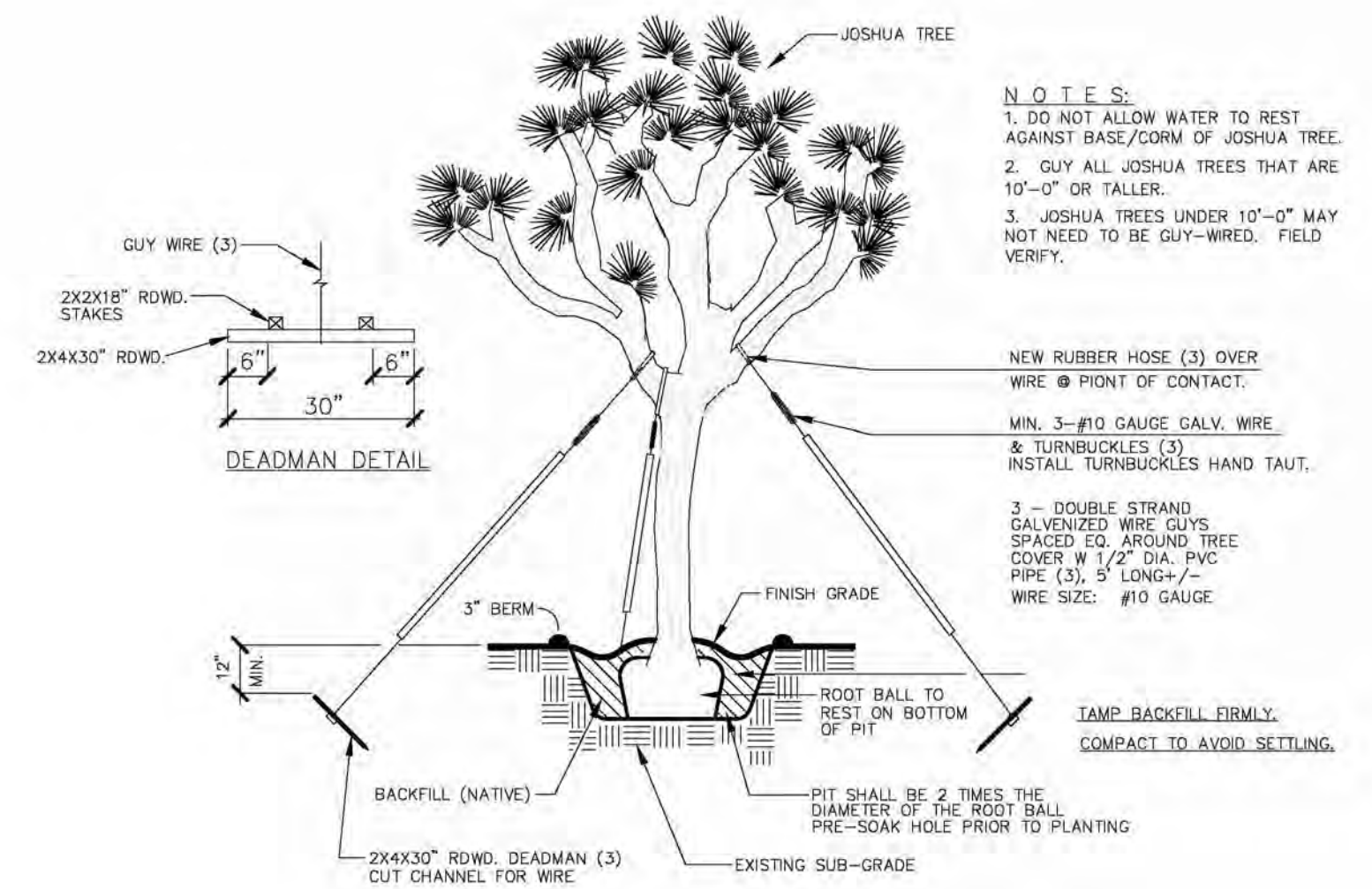
- TO REMOVE BEAVERTAIL FROM ITS ORIGINAL LOCATION, FIRST CUT THE SHALLOW ROOTS BY FORCING A SHARP SHOVEL BLADE-DEPTH INTO THE SOIL COMPLETELY AROUND THE PLANT ABOUT 6" TO 12" AWAY FROM THE BASE. THEN DIG UNDER AND CAREFULLY PRY AND LIFT THE PLANT OUT OF THE GROUND. USE CARE TO MINIMIZE INJURY TO THE PLANT. ALLOW ANY LOOSE SOIL TO FALL AWAY FROM THE ROOTS. HAND-MOVE CACTI WITH BLANKET STRIPS, CANVAS TARP OR TOWEL. USE STURDY GLOVES AT ALL TIMES. REMOVE ANY DEAD OR DAMAGED PADS.
- PRUNE OFF ANY DAMAGED ROOTS. THEN PRUNE BACK THE REMAINING LATERAL ROOT STUBS, LEAVING THEM 5 TO 10 INCHES LONG. DUST THESE CUTS AND OTHER WOUNDS IMMEDIATELY WITH POWDERED SULFUR TO LESSEN THE CHANCE OF INFECTION AND TO HASTEN CALLUSING.
- AFTER REMOVAL, PLACE BEAVERTAIL IN A DRY + SHADY LOCATION TO DRY OUT THE ROOTS. LET CACTUS SIT AND DRY FOR ABOUT A WEEK.
- DIG A HOLE IN THE NEW LOCATION, 2 TIMES AS WIDE AS THE DIAMETER OF THE ROOT BALL. DEPTH APPROXIMATELY SAME AS ROOT BALL.
- FILL IN PLANT HOLE WITH WATER AND ALLOW WATER TO COMPLETELY DRAIN BEFORE PLANTING.
- PLANT WITH CACTI FACING ITS ORIGINAL DIRECTION AND TAMP DOWN SOIL AROUND PLANT.
- PLANT IN WELL DRAINED SOIL.
- WATERING - WATER ONCE A MONTH ONLY DURING THE FIRST SEASON OF PLANTING. BEAVERTAIL CAN SURVIVE WITH JUST 50 ml OF RAINFALL FOR THE ENTIRE YEAR. HENCE, REGULAR WATERING IS NOT NEEDED.  
IN ADOPTION AREA/TEMPORARY NURSERY, WATER ONCE A MONTH.
- NO FERTILIZER IS REQUIRED.
- USE SAME TRANSPLANTING METHOD WHEN TRANSPLANTING TO THE TEMPORARY NURSERY AND OR FINAL LOCATION.
- REMOVE ANY DEAD PADS.

### E. PARRY'S NOLINA - NOLINA PARRYI

- TO REMOVE PLANT FROM ITS ORIGINAL LOCATION, FIRST CUT THE SHALLOW ROOTS BY FORCING A SHARP SHOVEL BLADE-DEPTH INTO THE SOIL COMPLETELY AROUND THE PLANT ABOUT 6" TO 12" AWAY FROM THE BASE. THEN DIG UNDER AND CAREFULLY PRY AND LIFT THE PLANT OUT OF THE GROUND. USE CARE TO MINIMIZE INJURY TO THE PLANT. ALLOW ANY LOOSE SOIL TO FALL AWAY FROM THE ROOTS. HAND-MOVE PLANT BY CANVAS TARP, BLANKET STRIPS OR TOWEL. USE STURDY GLOVES AT ALL TIMES.
- AFTER REMOVAL, DIG A HOLE IN THE NEW LOCATION, 2 TIMES AS WIDE AS THE DIAMETER OF THE ROOT BALL. DEPTH SAME AS ROOT BALL.
- FILL IN PLANT PIT WITH WATER AND ALLOW WATER TO COMPLETELY DRAIN BEFORE PLANTING.
- PLACE CACTI IN PLANT PIT LEVEL WITH FINISH GRADE AND TAMP DOWN SOIL AROUND CACTI.
- PLANT IN WELL DRAINED SOIL.
- WATERING - WATER NOLINA IMMEDIATELY AFTER PLANTING AND THEN CONTINUE TO LIGHTLY WATER PLANT ONCE A WEEK FOR 12 WEEKS. THEN CONTINUE TO LIGHTLY WATER NOLINA ONCE A MONTH FOR 18 MONTHS.  
IN ADOPTION AREA/TEMPORARY NURSERY, WATER TWICE A MONTH.
- NO FERTILIZER IS REQUIRED.
- TRANSPLANT DURING WARM MONTHS RATHER THAN IN WINTER.
- MAINTAIN SAME NORTH/SOUTH ORIENTATION WHEN TRANSPLANTING.
- USE SAME TRANSPLANTING METHOD WHEN TRANSPLANTING TO THE TEMPORARY NURSERY AND OR FINAL LOCATION.
- REMOVE ANY DEAD LEAVES.

### F. HEDGEHOG CACTUS - ECHINOCEREUS ENGELMANNII AND CHOLLA CACTUS - OPUNTIA ECHINOCARPA

- TO REMOVE CACTI FROM ITS ORIGINAL LOCATION, FIRST CUT THE SHALLOW ROOTS BY FORCING A SHARP SHOVEL BLADE-DEPTH INTO THE SOIL COMPLETELY AROUND THE PLANT ABOUT 6" TO 12" AWAY FROM THE BASE. THEN DIG UNDER AND CAREFULLY PRY AND LIFT THE PLANT OUT OF THE GROUND. USE CARE TO MINIMIZE INJURY TO THE PLANT. ALLOW ANY LOOSE SOIL TO FALL AWAY FROM THE ROOTS. HAND-MOVE CACTI BY CANVAS TARP, BLANKET STRIPS OR TOWEL. USE STURDY GLOVES AT ALL TIMES.
- AFTER REMOVAL, PLACE CACTI IN A DRY + SHADY LOCATION TO DRY OUT THE ROOTS. LET CACTUS SIT AND DRY FOR ABOUT A WEEK. LETTING THE CACTUS REST ALLOWS ANY TEARS IN THE ROOTS TO HEAL, AND PREVENTS THE GROWTH OF BACTERIA AND FUNGUS.
- DIG A HOLE IN THE NEW LOCATION, 2 TIMES AS WIDE AS THE DIAMETER OF THE ROOT BALL. DEPTH APPROXIMATELY SAME AS ROOT BALL.
- FILL IN PLANT PIT WITH WATER AND ALLOW WATER TO COMPLETELY DRAIN BEFORE PLANTING.
- PLACE CACTI IN PLANT PIT LEVEL WITH FINISH GRADE AND TAMP DOWN SOIL AROUND CACTI.
- PLANT IN WELL DRAINED SOIL.
- WATERING - WATER HEDGEHOG IMMEDIATELY AFTER PLANTING AND THEN CONTINUE TO LIGHTLY WATER CACTUS ONCE A MONTH FOR 18 MONTHS. WATER ONCE A MONTH IN ADOPTION AREA/TEMPORARY NURSERY.  
AND  
WATERING - WATER CHOLLA ONLY DURING THE FIRST SEASON OF PLANTING ONCE A MONTH. REGULAR WATERING NOT REQUIRED AFTER 1 YEAR. WATER ONCE A MONTH IN ADOPTION AREA/TEMPORARY NURSERY.
- NO FERTILIZER IS REQUIRED.
- TRANSPLANT DURING WARM MONTHS RATHER THAN IN WINTER.
- MAINTAIN SAME NORTH/SOUTH ORIENTATION WHEN TRANSPLANTING.
- USE SAME TRANSPLANTING METHOD WHEN TRANSPLANTING TO THE TEMPORARY NURSERY AND OR FINAL LOCATION.



**(A) JOSHUA TREE GUY-WIRE DETAIL**  
FOR JOSHUA TREES 7' TO 14' TALL ONLY NO SCALE

APPROVED BY:  
**HI-DESERT WATER DISTRICT**

**MARK BAN** DATE \_\_\_\_\_  
OPERATIONS MANAGER

**DIGALERT**  
CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
**1-800-227-2600**  
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.

PREPARED UNDER THE SUPERVISION OF:

**RAYMOND C. LOPEZ**  
Landscape Architect  
December 31, 2015  
Lic. No. 3474

PREPARED BY:

**RAY LOPEZ ASSOCIATES**  
LANDSCAPE ARCHITECTURE  
56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
(760) 206-9696 E-mail: RLAscape@AOL.com

DRAWN BY: GM DESIGNED BY: RC  
CHECKED BY: CL

BASIS OF BEARING:  
THE BASIS OF BEARING SHOWN HEREON IS N00°26'00"E 2645.13'

APPROVED BY TOWN:

**TOWN OF YUCCA VALLEY**  
CITY OF YUCCA VALLEY, CALIFORNIA  
INCORPORATED 1981

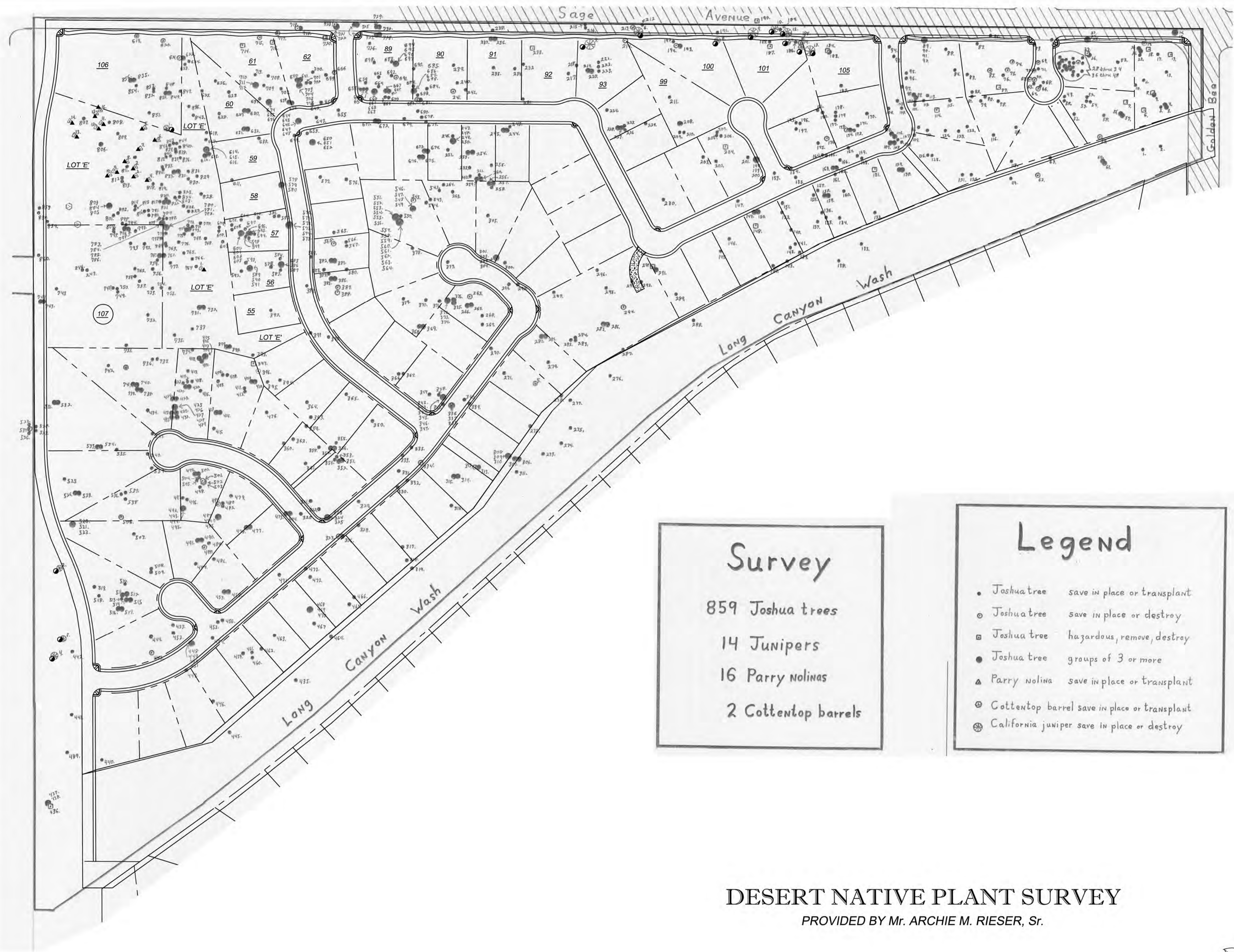
NAME \_\_\_\_\_ DATE \_\_\_\_\_

**TOWN OF YUCCA VALLEY**  
**NATIVE PLANT MANAGEMENT PLAN**  
TRANSPLANTING NOTES and MAINTENANCE  
**SAGE ESTATES**  
SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
A.P.N.S: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
COPPER HILLS HOMES, 56884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284

PLOT DATE: Oct 21, 2014

SHEET NUMBER  
**L - 14**  
OF 16 SHEETS  
SCALE: \_\_\_\_\_  
REFER TO PLAN \_\_\_\_\_  
JOB NUMBER  
02192014-CHH-YV



**Survey**

859 Joshua trees  
 14 Junipers  
 16 Parry nolinias  
 2 Cottenlop barrels

- Legend**
- Joshua tree save in place or transplant
  - Joshua tree save in place or destroy
  - Joshua tree hazardous, remove, destroy
  - Joshua tree groups of 3 or more
  - ▲ Parry nolina save in place or transplant
  - ⊙ Cottenlop barrel save in place or transplant
  - ⊗ California juniper save in place or destroy

Prepared for:  
 Copper Hills Homes LLC  
 56889 Golden Bee  
 Yucca Valley CA. 92284  
 Phone (760) 365-0649

Prepared: March 2009  
 By: Archie M. Rieser Sr.  
 62274 Canterbury St.  
 Joshua Tree CA. 92252  
 Phone/Fax (760) 366-3165

**DESERT NATIVE PLANT SURVEY**  
 PROVIDED BY Mr. ARCHIE M. RIESER, Sr.



APPROVED BY:  
 HI-DESERT WATER DISTRICT

MARK BAN DATE  
 OPERATIONS MANAGER

**DIGALERT**  
 CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
 1-800-227-2600  
 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.



PREPARED UNDER THE SUPERVISION OF:  
 PREPARED BY:  
 RAYMOND C. LOPEZ DATE  
 Lic. No. 3474 EXP. 12/31/15

DRAWN BY: GM DESIGNED BY: RC  
 CHECKED BY: CL

RAY LOPEZ ASSOCIATES  
 LANDSCAPE ARCHITECTURE  
 56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
 (T) 760 / 206-9696 E-mail: RLAscape@AOL.com

BASIS OF BEARING:  
 THE BASIS OF BEARING SHOWN HEREON IS N00°26'00"E 2645.13'



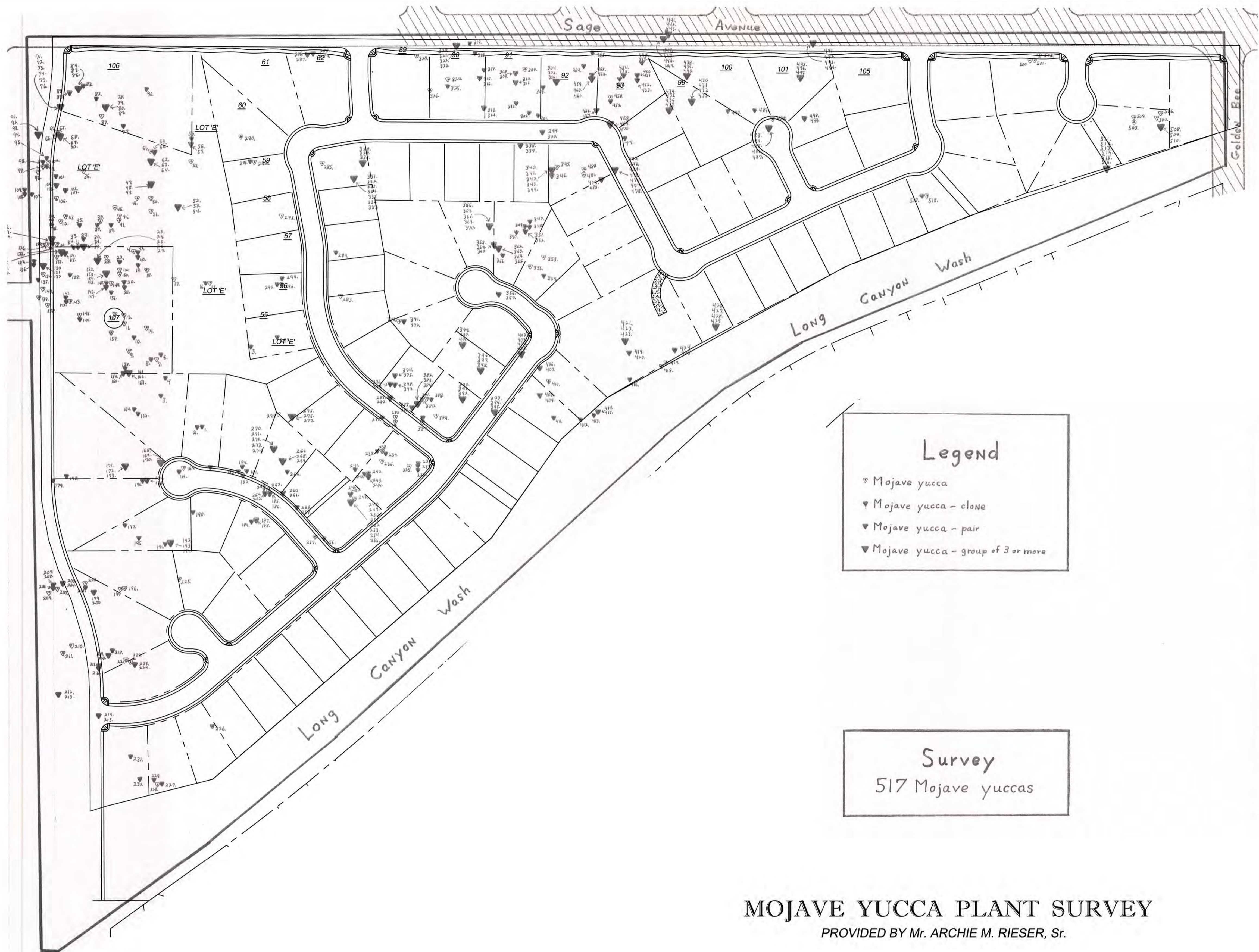
APPROVED BY TOWN:  
 NAME DATE

TOWN OF YUCCA VALLEY  
**DESERT NATIVE PLANT SURVEY**  
 PROVIDED BY Mr. ARCHIE M. RIESER, Sr.  
 SAGE ESTATES  
 SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
 A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
 COPPER HILLS HOMES, 56884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284

DATE: Oct 21, 2014

SHEET NUMBER  
**L - 15**  
 OF 16 SHEETS  
 SCALE:  
 REFER TO PLAN  
 JOB NUMBER  
 02192014-CHH-YV



**Legend**

- Mojave yucca
- ▼ Mojave yucca - clone
- ▼ Mojave yucca - pair
- ▼ Mojave yucca - group of 3 or more

**Survey**  
517 Mojave yuccas

Prepared for:  
Copper Hills Homes LLC  
56889 Golden Bee  
Yucca Valley CA. 92284  
Phone (760) 365-0649

Prepared: March 2009  
By: Archie M. Rieser Sr.  
62274 Canterbury St.  
Joshua Tree CA. 92252  
Phone/fax (760) 366-3165

**MOJAVE YUCCA PLANT SURVEY**  
PROVIDED BY Mr. ARCHIE M. RIESER, Sr.



APPROVED BY:  
HI-DESERT WATER DISTRICT

MARK BAN \_\_\_\_\_ DATE \_\_\_\_\_  
OPERATIONS MANAGER

**DIGALERT**  
CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING  
1-800-227-2600  
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

NO.	BY	DATE	REVISIONS:

CAUTION: The Landscape Architect 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 & must be approved by the preparer of these plans.



PREPARED UNDER THE SUPERVISION OF:  
RAYMOND C. LOPEZ  
Lic. No. 3474

DATE: EXP. 12 / 31 / 15

DRAWN BY: GM  
DESIGNED BY: RC  
CHECKED BY: CL

PREPARED BY:  
RAY LOPEZ ASSOCIATES  
LANDSCAPE ARCHITECTURE  
56-960 JACKSON ST., VISTA SANTA ROSA, CA 92274  
(T) 760 / 206-9696 E-mail: RLAscape@AOL.com

BASIS OF BEARING:  
THE BASIS OF BEARING SHOWN HEREON IS N00°26'00"E 2845.13'



APPROVED BY TOWN:  
NAME \_\_\_\_\_ DATE \_\_\_\_\_

TOWN OF YUCCA VALLEY  
**MOJAVE YUCCA PLANT SURVEY**  
PROVIDED BY Mr. ARCHIE M. RIESER, Sr.  
SAGE ESTATES  
SOUTHEAST CORNER OF GOLDEN BEE DRIVE AND SAGE DRIVE  
A.P.N.'s: 585-071-16, 585-071-17, 585-071-25 & 585-071-26

DEVELOPER: MR. WILLIAM SHACK JR. - (760) 365-2994  
COPPER HILLS HOMES, 56884 GOLDEN BEE DR., YUCCA VALLEY, CA 92284

PLOT DATE: Oct 21, 2014

SHEET NUMBER  
**L - 16**  
OF 16 SHEETS  
SCALE:  
REFER TO PLAN  
JOB NUMBER  
02192014-CHH-YV