



PROJECT ADDRESS

**PALOS VERDES DRIVE WEST MEDIAN PLANTING**

Rancho Palos Verdes, CA 90275

**City of Rancho Palos Verdes - Public Works Department**

30940 Hawthorne Blvd.  
Rancho Palos Verdes, CA 90275  
Project Contact : Ms. Nicole Julies  
Phone Number : (310) 544-5275

LANDSCAPE ARCHITECT



**JON DAVID CICCCHETTI**  
2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
562.989.1880

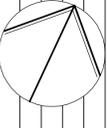


**REVISIONS / SUBMITTALS**  
02/28/12 - 95% SUBMITTAL #1  
02/29/12 - 95% SUBMITTAL #2  
03/16/12 - 95% SUBMITTAL #3

SHEET TITLE

**PLANTING PLAN**  
STA. 9 THRU 19

NORTH



SCALE 1"=20'-0"

JOB NO. 1-1-30

DATE 02/15/12

SHEET NO.

**LP-1.1**

2 OF 21 SHEETS

**CONSTRUCTION LEGEND**

- 1 CONSTRUCT RANDOM FLAGSTONE PAVING OVER CONCRETE BASE. SEE DETAIL 1, SHEET LD-1.1. STONE TYPE AND JOINT THICKNESS TO MATCH ADJACENT MEDIANS.
  - 2 CONSTRUCT 2" THICK X 24" WIDE DECOMPOSED GRANITE PAVING AT EXISTING CURB EDGE. SEE DETAIL 2, SHEET LD-1.1.
  - 3 INSTALL LANDSCAPE EDGING CLEANLINE BY PERMALOC AT LANDSCAPE EDGE OF DECOMPOSED GRANITE PAVING. SEE DETAIL 3, SHEET LD-1.1.
- \* CONTRACTOR TO SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL.

**CONSTRUCTION / PLANTING NOTES**

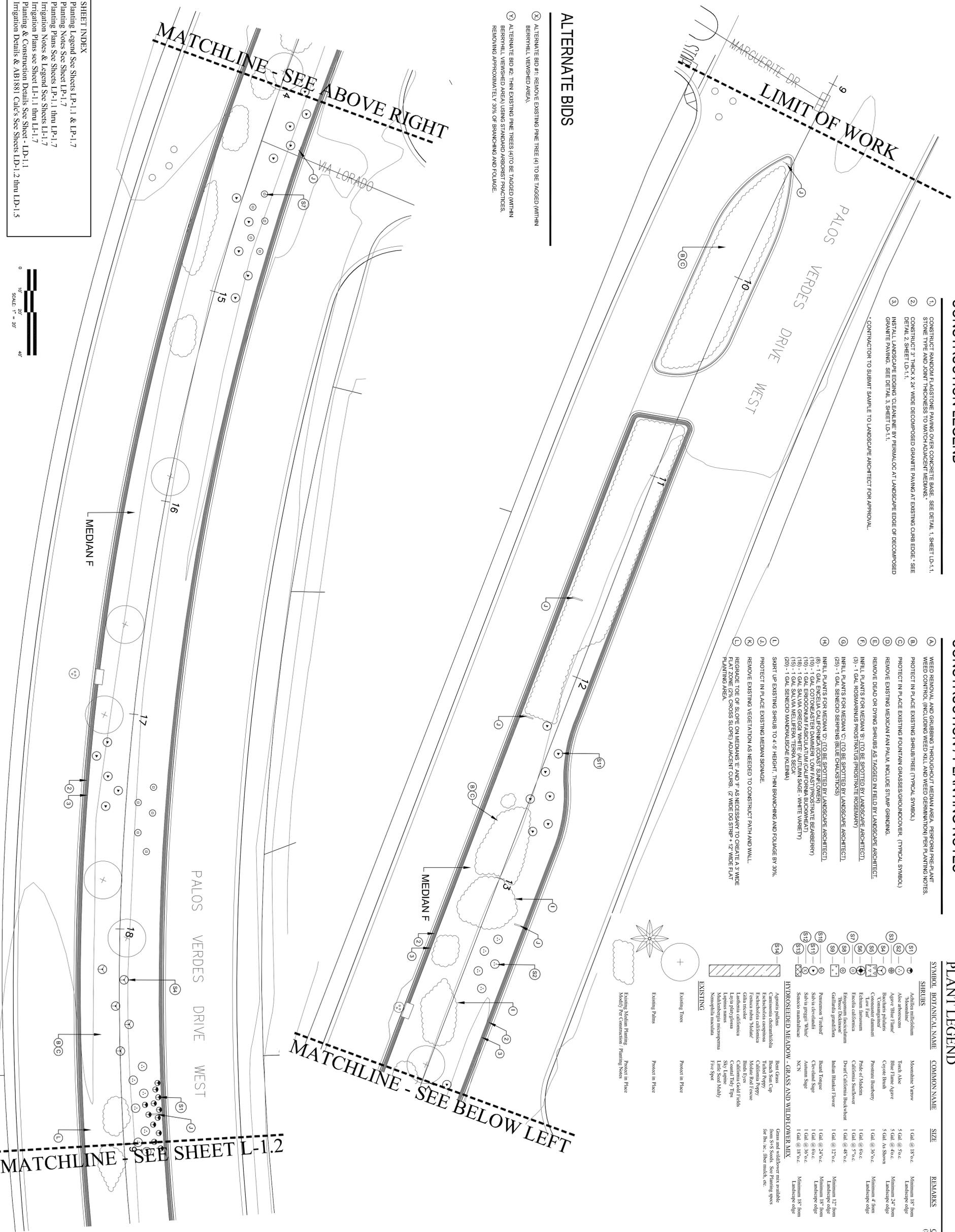
- A WEED REMOVAL AND GRUBBING THROUGHOUT MEDIAN AREA. PERFORM PRE-PLANT WEED CONTROL (INCLUDING WEED KILL AND WEED GERMINATION) PER PLANTING NOTES.
- B PROTECT IN PLACE EXISTING SHRUB TREE (TYPICAL SYMBOL)
- C PROTECT IN PLACE EXISTING FOUNTAIN GRASSES/GROUNDCOVER (TYPICAL SYMBOL)
- D REMOVE EXISTING MEXICAN FAN PALM. INCLUDE STUMP GRINDING.
- E REMOVE DEAD OR DYING SHRUBS AS TAGGED IN FIELD BY LANDSCAPE ARCHITECT.
- F INFILL PLANTS FOR MEDIAN B. (TO BE SPOTTED BY LANDSCAPE ARCHITECT)
- G INFILL PLANTS FOR MEDIAN C. (TO BE SPOTTED BY LANDSCAPE ARCHITECT)
- H INFILL PLANTS FOR MEDIAN D. (TO BE SPOTTED BY LANDSCAPE ARCHITECT)
- I (8) - 1 GAL. ENGELIA CALIFORNICA (COAST SUNFLOWER)
- J (10) - 1 GAL. COTONEASTER DAMNED (LOW FAST PROSTRATE BEARBERRY)
- K (10) - 1 GAL. ERIOGONUM FASCICULATUM (CALIFORNIA BUCKWHEAT)
- L (19) - 1 GAL. SALVIA MELIFERA (TERRA SECA)
- M (20) - 1 GAL. SENECIO MANDRALISCAE (KELVINA)
- N SMART UP EXISTING SHRUB TO 4:5" HEIGHT. THIN BRANCHING AND FOLIAGE BY 30%.
- O PROTECT IN PLACE EXISTING MEDIAN SIGNAGE.
- P REMOVE EXISTING VEGETATION AS WEEDS TO CONSTRUCT PATH AND WALL.
- Q REGRADE TOE OF SLOPE ON MEDIANS E AND F AS NECESSARY TO CREATE A 3" WIDE FLAT ZONE (2% CROSS SLOPE) ADJACENT CURB. (2" WIDE DG STRIP + 12" WIDE FLAT PLANTING AREA).

**PLANT LEGEND**

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	QUANTITY (SHEET LP-1.1)
<b>SHRUBS</b>					
(S1)	Abutilon triflorum	Mockorange Yarrow	1 Gal. @ 18"oc	Minimum 18" from Landscape edge	11
(S2)	Aloe abrotanoides	Trunk Aloe	5 Gal. @ 5"oc	Landscape edge	11
(S3)	Agave Blue Flame	Blue Flame Agave	5 Gal. @ 4"oc	Minimum 24" from Landscape edge	0
(S4)	Baccharis pilularis	Coyote Bush	5 Gal. As Shown	Landscape edge	5
(S5)	Conocarpus	Positive Banyan	1 Gal. @ 36"oc	Minimum 4" from Landscape edge	0.8 F
(S6)	Echinops setosus	Pride of Madras	1 Gal. @ 6"oc	Landscape edge	0
(S7)	Eriogonum fasciculatum	Dwarf California Buckwheat	1 Gal. @ 5"oc	Minimum 18" from Landscape edge	10
(S8)	Gaillardia grandiflora	Indian Blanket Flower	1 Gal. @ 48"oc	Landscape edge	0
(S9)	Penstemon 'Tinkerb'	Beard Tongue	1 Gal. @ 12"oc	Minimum 12" from Landscape edge	0.8 F
(S10)	Salvia decurrens	Cleveland Sage	1 Gal. @ 24"oc	Minimum 18" from Landscape edge	0
(S11)	Salvia praeputi 'White'	Aurum Sage	1 Gal. @ 36"oc	Minimum 18" from Landscape edge	22
(S12)	Senecio mandraliscae	NCC	1 Gal. @ 18"oc	Minimum 18" from Landscape edge	0.8 F
(S13)	Senecio mandraliscae	NCC	1 Gal. @ 18"oc	Minimum 18" from Landscape edge	0.8 F
(S14)	Senecio mandraliscae	NCC	1 Gal. @ 18"oc	Minimum 18" from Landscape edge	0.8 F
<b>HYDROSEDED MEADOW - GRASS AND WILDLIFLOWER MIX</b>					
Grass and wildflower mix suitable for the ac. after muck, etc.					
<b>EXISTING</b>					
(+)	Existing Trees	Protect in Place			
(+)	Existing Plants	Protect in Place			
(+)	Existing Median Planting	Protect in Place			
(+)	Median For Construction Planting Notes	Protect in Place			

**ALTERNATE BIDS**

- (X) ALTERNATE BID #1: REMOVE EXISTING PINE TREE (4) TO BE TAGGED WITHIN BERRYHILL VIEWSHED AREA.
- (Y) ALTERNATE BID #2: THIN EXISTING PINE TREES (4) TO BE TAGGED WITHIN BERRYHILL VIEWSHED AREA USING STANDARD ARBORIST PRACTICES. REMOVING APPROXIMATELY 30% OF BRANCHING AND FOLIAGE.



**SHEET INDEX**

Planting Legend See Sheets LP-1.1 & LP-1.7  
 Planting Notes See Sheet LP-1.7  
 Irrigation Plans See Sheets LP-1.1 thru LP-1.7  
 Irrigation Notes & Legend See Sheets LP-1.7  
 Irrigation Plans see Sheet LI-1.1 thru LI-1.7  
 Planting & Construction Details See Sheet - LD-1.1  
 Irrigation Details & ABI181 Cals See Sheets LD-1.2 thru LD-1.5

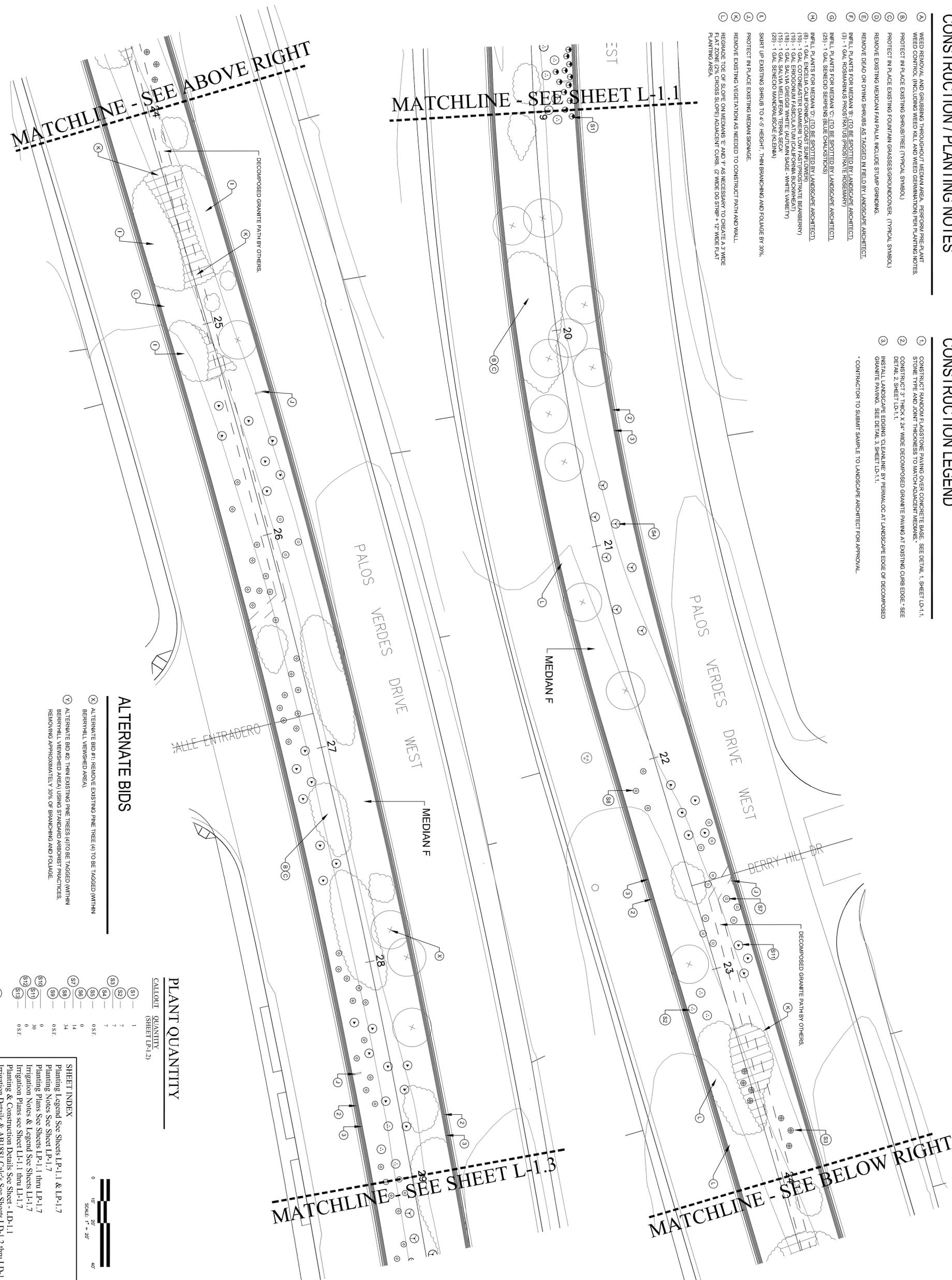


**CONSTRUCTION / PLANTING NOTES**

- (A) WEED REMOVAL AND GRUBBING THROUGHOUT MEDIAN AREA. REPAIR PRE-PLANT WEED CONTROL (INCLUDING WEED KILL AND WEED GERMINATION/STIPPLING NOTES).
- (B) PROTECT IN PLACE EXISTING SHRUB/TREES (TYPICAL SYMBOL)
- (C) PROTECT IN PLACE EXISTING FOUNTAIN GRASSES/GROUNDCOVER (TYPICAL SYMBOL)
- (D) REMOVE EXISTING MEDIAN FAN PALM. INCLUDE STUMP GRINDING.
- (E) REMOVE DEAD OR DYING SHRUBS AS TAGGED IN FIELD BY LANDSCAPE ARCHITECT.
- (F) INFILL PLANTS FOR MEDIAN '9: (TO BE SPOTTED BY LANDSCAPE ARCHITECT)
- (G) INFILL PLANTS FOR MEDIAN 'C': (TO BE SPOTTED BY LANDSCAPE ARCHITECT)
- (G2) - 1 GAL. SENECIO SERRENS (BLUE CHALKSTICKS)
- (H) INFILL PLANTS FOR MEDIAN 'D': (TO BE SPOTTED BY LANDSCAPE ARCHITECT)
- (H1) - 1 GAL. ERIOGONUM fasciculatum (CALIFORNIA BUCKWHEAT)
- (H2) - 1 GAL. ERIOGONUM fasciculatum (CALIFORNIA BUCKWHEAT)
- (H3) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H4) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
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- (H164) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H165) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H166) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H167) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H168) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H169) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H170) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H171) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H172) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H173) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H174) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H175) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H176) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H177) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H178) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H179) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H180) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H181) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H182) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H183) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H184) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H185) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H186) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H187) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H188) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H189) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H190) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H191) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H192) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H193) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H194) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H195) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H196) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H197) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H198) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H199) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)
- (H200) - 1 GAL. SALVIA GREGGII WHITE (AUTUMN SAGE - WHITE VARIETY)

**CONSTRUCTION LEGEND**

- (1) CONSTRUCT RANDOM LASSSTONE PAVING OVER CONCRETE BASE. SEE DETAIL 1, SHEET LD-1.1. STONE TYPE AND JOINT THICKNESS TO MATCH ADJACENT MEDIANS.
  - (2) CONSTRUCT 3" THICK X 24" WIDE DECOMPOSED GRANITE PAVING AT EXISTING CURB EDGE. SEE DETAIL 2, SHEET LD-1.1.
  - (3) INSTALL LANDSCAPE EDGING CLEANLINE BY PERMALOC AT LANDSCAPE EDGE OF DECOMPOSED GRANITE PAVING. SEE DETAIL 3, SHEET LD-1.1.
- \* CONTRACTOR TO SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL.



**ALTERNATE BIDS**

- (X) ALTERNATE BID #1: REMOVE EXISTING PINE TREE (4) TO BE TAGGED WITHIN BERRYHILL VIEWSHED AREA.
- (Y) ALTERNATE BID #2: THIN EXISTING PINE TREES (4) TO BE TAGGED WITHIN BERRYHILL VIEWSHED AREA USING STANDARD ARBORIST PRACTICES. REMOVING APPROXIMATELY 30% OF BRANCHING AND FOLIAGE.

**PLANT QUANTITY**

CALLOUT	QUANTITY	(SHEET LP-1.2)
S1	1	
S2	7	
S3	7	
S4	7	
S5	0.8 SF	
S6	0.8 SF	
S7	14	
S8	34	
S9	0	0.8 SF
S10	0	
S11	30	
S12	0	0.8 SF
S13	0	0.8 SF
S14	0	0.8 SF

**SHEET INDEX**

Planting Legend See Sheets LP-1.1 & LP-1.7  
 Planting Notes See Sheet LP-1.7  
 Planting Plans See Sheets LP-1.1 thru LP-1.7  
 Irrigation Notes & Legend See Sheets LP-1.7  
 Irrigation Plans see Sheet LP-1.1 thru LP-1.7  
 Planting & Construction Details See Sheet - LD-1.1  
 Irrigation Details & AB1881 Cals See Sheets LD-1.2 thru LD-1.5

**SCALE** 1"=20'-0"

**JOB NO.** 1-1-30

**DATE** 02/15/12

**SHEET NO.** LP-1.2

**3 OF 21 SHEETS**

**PLANTING PLAN STA. 19 THRU 29**

**REVISIONS / SUBMITTALS**

02/28/12	- 95% SUBMITTAL #1
02/29/12	- 95% SUBMITTAL #2
03/16/12	- 95% SUBMITTAL #3



**JDC**  
 Landscape Architects  
 Planners

JON DAVID CICHETTI  
 2760 E. SPRING ST., SUITE 110  
 LONG BEACH, CA 90806  
 562.989.1880

30940 Hawthorne Blvd.  
 Rancho Palos Verdes, CA 90275  
 Project Contact : Ms. Nicole Jules  
 Phone Number : (310) 544-5275

**LANDSCAPE ARCHITECT**

**PROJECT ADDRESS**

**PALOS VERDES DRIVE WEST MEDIAN BEAUTIFICATION**

Palos Verdes Drive West  
 Rancho Palos Verdes, CA 90275

**PROPERTY OWNER**

City of Rancho Palos Verdes - Public Works Department

PROJECT ADDRESS

**PALOS VERDES DRIVE WEST  
MEDIAN BEAUTIFICATION**

Palos Verdes Drive West  
Rancho Palos Verdes, CA 90275

PROPERTY OWNER

**City of Rancho Palos Verdes - Public Works Department**

30940 Hawthorne Blvd.  
Rancho Palos Verdes, CA 90275  
Project Contact : Ms. Nicole Jules  
Phone Number : (310) 544-5275

LANDSCAPE ARCHITECT



JON DAVID CICCHETTI  
2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
562.989.1880



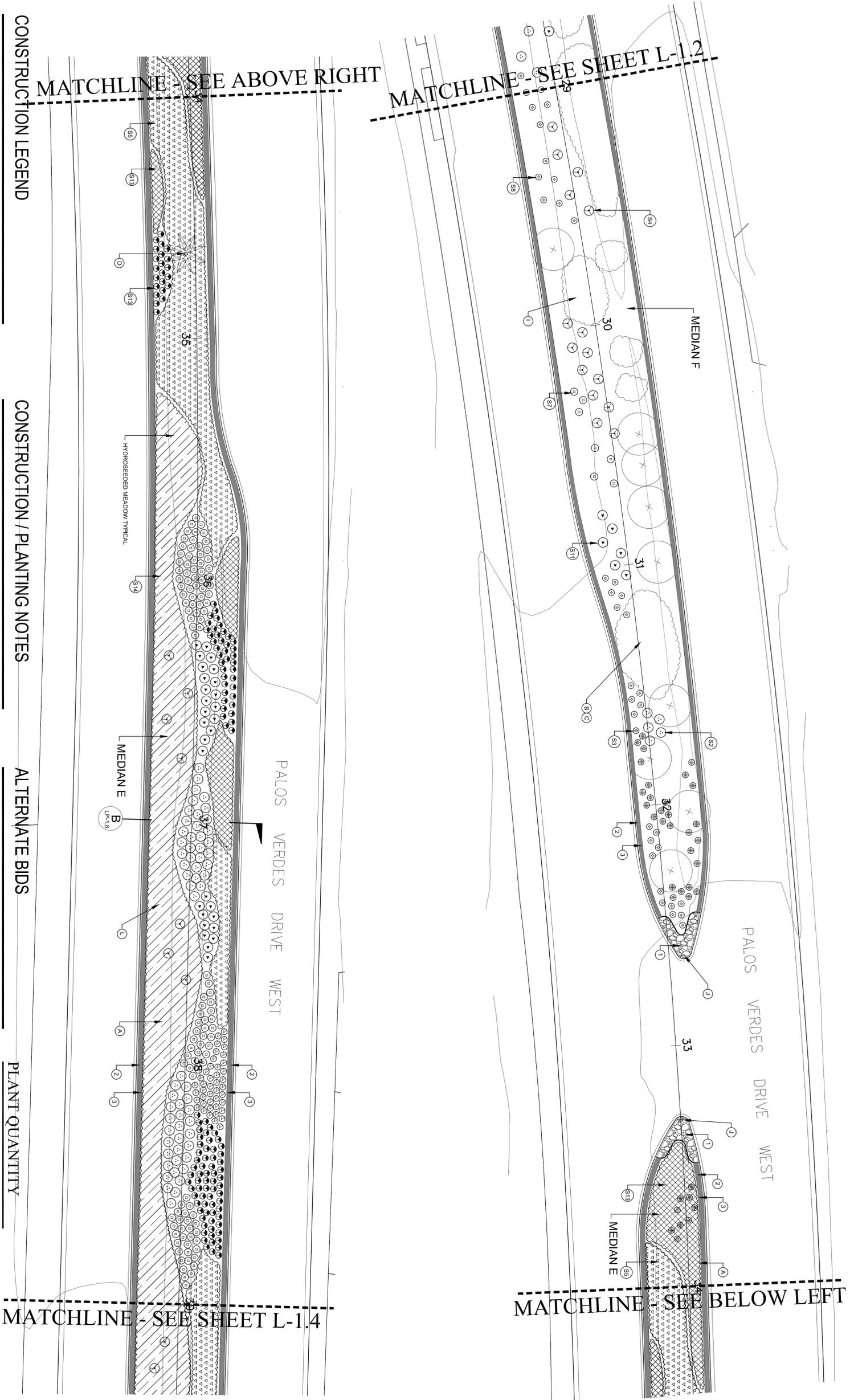
REVISIONS / SUBMITTALS
02/28/12 - 95% SUBMITTAL #1
02/29/12 - 95% SUBMITTAL #2
03/16/12 - 95% SUBMITTAL #3

SHEET TITLE

**PLANTING PLAN  
STA. 29 THRU 39**

NORTH
SCALE 1"=20'-0"
JOB NO. 1-1-30
DATE 02/15/12

SHEET NO.
<b>LP-1.3</b>
4 OF 21 SHEETS



**CONSTRUCTION LEGEND**

- 1 CONSTRUCT RANDOM FLAGSTONE PAVING OVER CONCRETE BASE. SEE DETAIL 1, SHEET LD-1.1. STONE TYPE AND JOINT THICKNESS TO MATCH ADJACENT MEDIANS.
  - 2 CONSTRUCT 3" THICK X 24" WIDE DECOMPOSED GRANITE PAVING AT EXISTING CURB EDGE. SEE DETAIL 2, SHEET LD-1.1.
  - 3 INSTALL LANDSCAPE EDGING CLEANLINE BY PERMALOC AT LANDSCAPE EDGE OF DECOMPOSED GRANITE PAVING. SEE DETAIL 3, SHEET LD-1.1.
- \* CONTRACTOR TO SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL.

**CONSTRUCTION / PLANTING NOTES**

- A WEED REMOVAL AND GRUBBING THROUGHOUT MEDIAN AREA. PERFORM PRE-ANNT WEED CONTROL (INCLUDING WEED KILL AND WEED GERMINATION) PER PLANTING NOTES.
- B PROTECT IN PLACE EXISTING SHRUB/TREE (TYPICAL SYMBOL)
- C PROTECT IN PLACE EXISTING FOUNTAIN GRASSES/GROUNDCOVER. (TYPICAL SYMBOL)
- D REMOVE EXISTING MEXICAN PAW PALM. INCLUDE STUMP GRINDING.
- E REMOVE DEAD OR DYING SHRUBS AS TAGGED IN FIELD BY LANDSCAPE ARCHITECT.
- F INFILL PLANTS FOR MEDIAN 'B'. (TO BE SPOTTED BY LANDSCAPE ARCHITECT)
- G INFILL PLANTS FOR MEDIAN 'C'. (TO BE SPOTTED BY LANDSCAPE ARCHITECT)
- H INFILL PLANTS FOR MEDIAN 'D'. (TO BE SPOTTED BY LANDSCAPE ARCHITECT)
- I 1 GAL. BERGEIA CALIFORNICA (COAST SUMAC)
- J 1 GAL. COTONEASTER DAMNINI (LOW FAST-PROSTRATE BEARBERRY)
- K 1 GAL. SALVIA DREGII WHITE (CALIFORNIA BUCKWHEAT)
- L 1 GAL. ROSMARINUS PROSTRATUS (PROSTRATE ROSEMARY)
- M 1 GAL. SENECIO SERPENS (BLUE CHALKSTICKS)
- N 1 GAL. SENECIO MANDRAKUSAE (LEWISIA)
- O SMART UP EXISTING SHRUB TO 4'-5" HEIGHT. THIN BRANCHING AND FOLIAGE BY 30%.
- P PROTECT IN PLACE EXISTING MEDIAN SIGNAGE.
- Q REMOVE EXISTING VEGETATION AS NEEDED TO CONSTRUCT PATH AND WALL.
- R REGRADE TOE OF SLOPE ON MEDIANS 'E' AND 'F' AS NECESSARY TO CREATE A 3% WIDE FLAT ZONE (2% CROSS SLOPE) ADJACENT CURB. (2" WIDE DG STRIP + 12" WIDE FLAT PLANTING AREA).

**ALTERNATE BIDS**

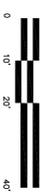
- X ALTERNATE BID #1: REMOVE EXISTING PINE TREE (4) (TO BE TAGGED (WITHIN BERRYHILL VIEWSHED AREA).
- Y ALTERNATE BID #2: THIN EXISTING PINE TREES (4) (TO BE TAGGED (WITHIN BERRYHILL VIEWSHED AREA) USING STANDARD ARBORIST PRACTICES. REMOVING APPROXIMATELY 30% OF BRANCHING AND FOLIAGE.

**PLANT QUANTITY**

CALLOUT	QUANTITY	(SHEET LP-1.3)
31	128	
32	66	
33	38	
34	22	
35	3,516 S.F.	
36	0	
37	119	
38	34	
39	9 S.F.	
40	43	
41	35	
42	0	1,861 S.F.
43	0	1,861 S.F.
44	0	5,306 S.F.

**SHEET INDEX**

Planting Legend See Sheets LP-1.1 & LP-1.7  
 Planting Notes See Sheet LP-1.7  
 Irrigation Plans See Sheets LP-1.1 thru LP-1.7  
 Irrigation Notes & Legend See Sheets LP-1.7  
 Planting & Construction Details See Sheet - LP-1.1  
 Irrigation Details & AB1881 Calc's See Sheets LP-1.2 thru LP-1.5





PROJECT ADDRESS

**PALOS VERDES DRIVE WEST  
MEDIAN BEAUTIFICATION**

Palos Verdes Drive West  
Rancho Palos Verdes, CA 90275

PROPERTY OWNER

**City of Rancho Palos Verdes - Public Works Department**

30940 Hawthorne Blvd.  
Rancho Palos Verdes, CA 90275  
Project Contact : Ms. Nicole Jules  
Phone Number : (310) 544-5275

LANDSCAPE ARCHITECT



JON DAVID CICCHETTI  
2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
562.989.1880



REVISIONS / SUBMITTALS
02/28/12 - 95% SUBMITTAL #1
02/29/12 - 95% SUBMITTAL #2
03/16/12 - 95% SUBMITTAL #3

SHEET TITLE

**PLANTING PLAN  
STA. 48 THRU 58**

NORTH



SCALE 1"=20'-0"

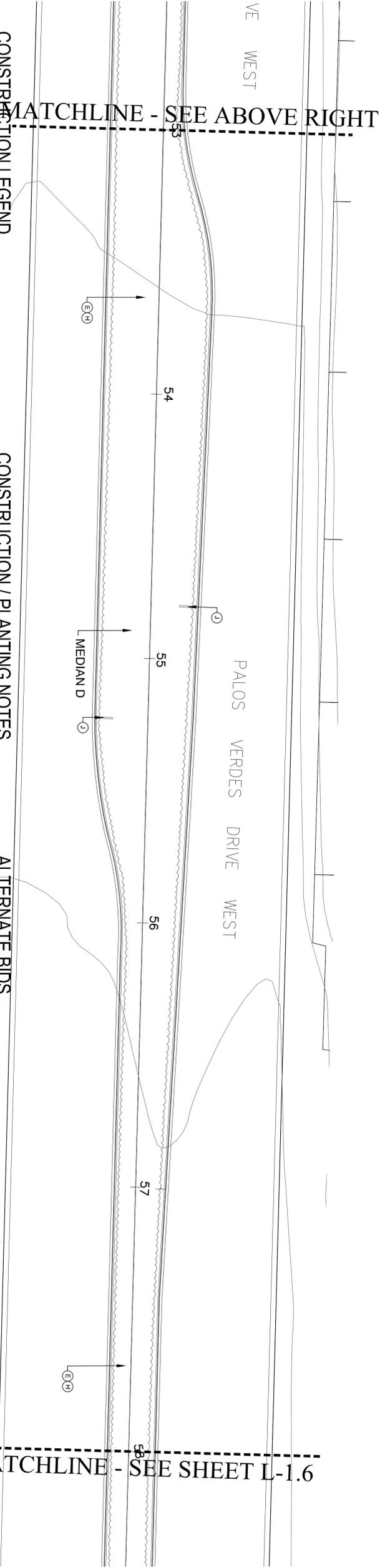
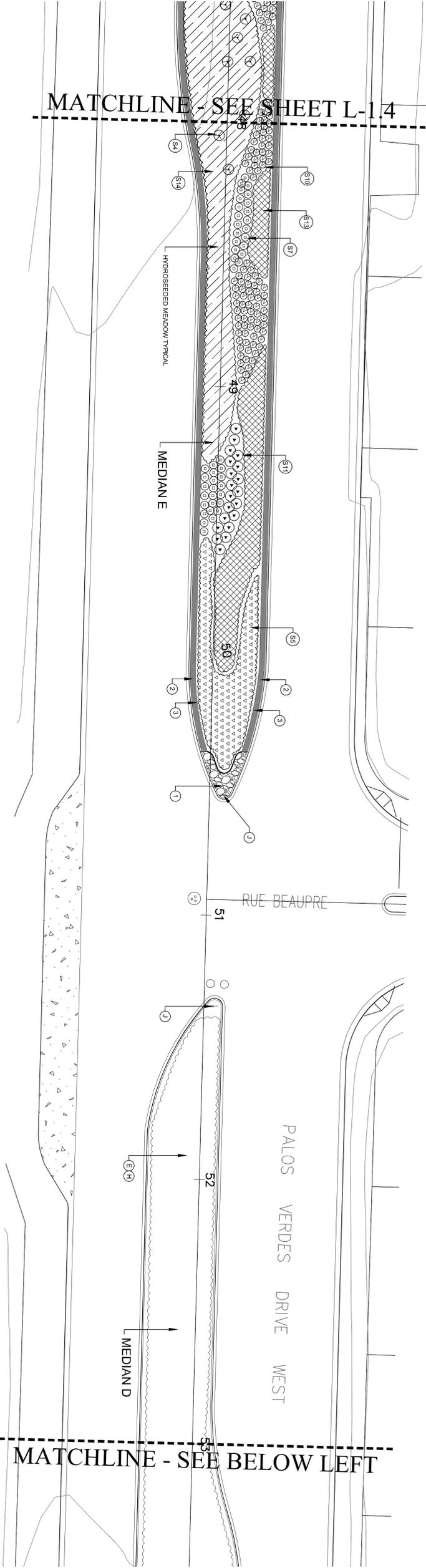
JOB NO. 1-1-30

DATE 02/15/12

SHEET NO.

**LP-1.5**

6 OF 21 SHEETS



**CONSTRUCTION LEGEND**

- ① CONSTRUCT RANDOM FLAGSTONE PAVING OVER CONCRETE BASE. SEE DETAIL 1, SHEET LP-1.1. STONE TYPE AND JOINT THICKNESS TO MATCH ADJACENT MEDIANS.\*
  - ② CONSTRUCT 3" THICK X 24" WIDE DECOMPOSED GRANITE PAVING AT EXISTING CURB EDGE. SEE DETAIL 2, SHEET LP-1.1.
  - ③ INSTALL LANDSCAPE EDGING CLEANLINE BY PERMALOC AT LANDSCAPE EDGE OF DECOMPOSED GRANITE PAVING. SEE DETAIL 3, SHEET LP-1.1.
- \* CONTRACTOR TO SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL.

**CONSTRUCTION / PLANTING NOTES**

- A WEED REMOVAL AND GRUBBING THROUGHOUT MEDIAN AREA. PERFORM PRE-ANNT WEED CONTROL (INCLUDING WEED KILL AND WEED GERMINATION) PER PLANTING NOTES.
- B PROTECT IN PLACE EXISTING SHRUB/TREE (TYPICAL SYMBOL)
- C PROTECT IN PLACE EXISTING FOUNTAIN GRASSES/GROUNDCOVER. (TYPICAL SYMBOL)
- D REMOVE EXISTING MEXICAN FAN PALM. INCLUDE STUMP GRINDING.
- E REMOVE DEAD OR DYING SHRUBS AS TAGGED IN FIELD BY LANDSCAPE ARCHITECT.
- F INFILL PLANTS FOR MEDIAN 'B'. (TO BE SPOTTED BY LANDSCAPE ARCHITECT)
- G INFILL PLANTS FOR MEDIAN 'C'. (TO BE SPOTTED BY LANDSCAPE ARCHITECT)
- H INFILL PLANTS FOR MEDIAN 'D'. (TO BE SPOTTED BY LANDSCAPE ARCHITECT)
- I 1 GAL. ANGELIA CALIFORNICA (COAST SUMAC)
- J 1 GAL. COTONEASTER DAMNANI (LOW FASTIGIATE BEARBERRY)
- K 1 GAL. SALVIA GREGERI WHITE (CALIFORNIA BLACKWEAT)
- L 1 GAL. ROSMARINUS PROSTRATUS (PROSTRATE ROSEMARY)
- M 1 GAL. SENECIO SERPENS (BLUE CHALKSTICKS)
- N 1 GAL. SENECIO MANDRAKUSAE (LEWISIA)
- O SMART UP EXISTING SHRUB TO 4'-5" HEIGHT, THIN BRANCHING AND FOLIAGE BY 30%.
- P PROTECT IN PLACE EXISTING MEDIAN SIGNAGE.
- Q REMOVE EXISTING VEGETATION AS NEEDED TO CONSTRUCT PATH AND WALL.
- R REGRADE TOE OF SLOPE ON MEDIANS 'E' AND 'F' AS NECESSARY TO CREATE A 3% WIDE FLAT ZONE (2% CROSS SLOPE) ADJACENT CURB. (2" WIDE DG STRIP + 12" WIDE FLAT PLANTING AREA).

**ALTERNATE BIDS**

- X ALTERNATE BID #1: REMOVE EXISTING PINE TREE (4) (TO BE TAGGED (WITHIN BERRYHILL VIEWSHED AREA).
- Y ALTERNATE BID #2: THIN EXISTING PINE TREES (4) (TO BE TAGGED (WITHIN BERRYHILL VIEWSHED AREA) USING STANDARD ARBORIST PRACTICES. REMOVING APPROXIMATELY 30% OF BRANCHING AND FOLIAGE.

**PLANT QUANTITY**

CALLOUT (SHEET LP-1.5)	QUANTITY
①1 -	0
①2 -	0
①3 -	0
①4 -	2
①5 -	1,011 S.F.
①6 -	45
①7 -	0
①8 -	0 S.F.
①9 -	85
①10 -	20
①11 -	1,278 S.F.
①12 -	0
①13 -	0 S.F.
①14 -	1,317 S.F.

**SHEET INDEX**

Planting Legend	See Sheets LP-1.1 & LP-1.7
Planting Notes	See Sheet LP-1.7
Planting Plans	See Sheets LP-1.1 thru LP-1.7
Irrigation Notes & Legend	See Sheets LP-1.7
Irrigation Plans	See Sheet LP-1.1 thru LP-1.7
Planting & Construction Details	See Sheet - LP-1.1
Irrigation Details & AB1881 Calc's	See Sheets LP-1.2 thru LP-1.5

PROJECT ADDRESS

**PALOS VERDES  
DRIVE WEST  
MEDIAN  
BEAUTIFICATION**

Palos Verdes Drive West  
Rancho Palos Verdes, CA 90275

PROPERTY OWNER

**City of Rancho Palos  
Verdes - Public  
Works Department**

30940 Hawthorne Blvd.  
Rancho Palos Verdes, CA 90275  
Project Contact : Ms. Nicole Jules  
Phone Number : (310) 544-5275

LANDSCAPE ARCHITECT



JON DAVID CICCCHETTI  
2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
562.989.1880

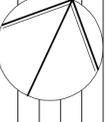


**REVISIONS / SUBMITTALS**  
02/28/12 - 95% SUBMITTAL #1  
02/29/12 - 95% SUBMITTAL #2  
03/16/12 - 95% SUBMITTAL #3

SHEET TITLE

**PLANTING  
PLAN  
STA. 58 THRU 67**

NORTH



SCALE 1"=20'-0"

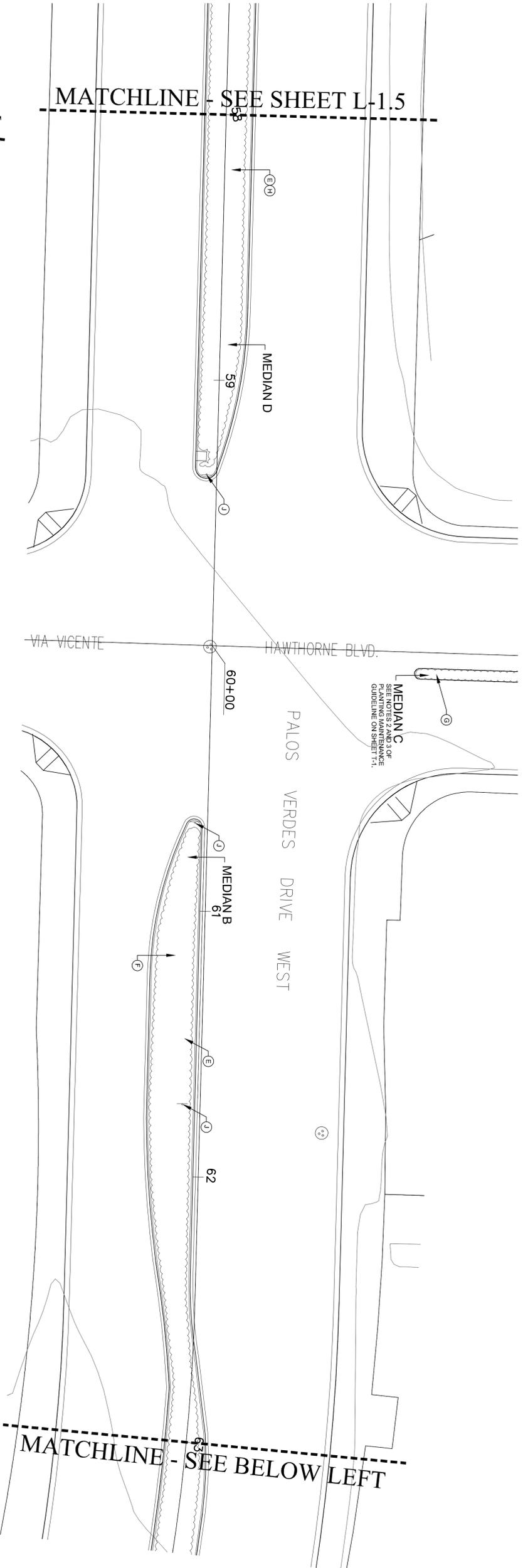
JOB NO. 1-1-30

DATE 02/15/12

SHEET NO.

**LP-1.6**

7 OF 21 SHEETS



**CONSTRUCTION LEGEND**

- 1 CONSTRUCT RANDOM FLAGSTONE PAVING OVER CONCRETE BASE. SEE DETAIL 1, SHEET LD-1.1. STONE TYPE AND JOINT THICKNESS TO MATCH ADJACENT MEDIANS. \*
  - 2 CONSTRUCT 3" THICK X 24" WIDE DECOMPOSED GRANITE PAVING AT EXISTING CURB EDGE. SEE DETAIL 2, SHEET LD-1.1.
  - 3 INSTALL LANDSCAPE EDGING CLEANLINE BY PERMALOOC AT LANDSCAPE EDGE OF DECOMPOSED GRANITE PAVING. SEE DETAIL 3, SHEET LD-1.1.
- \* CONTRACTOR TO SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL.

**CONSTRUCTION / PLANTING NOTES**

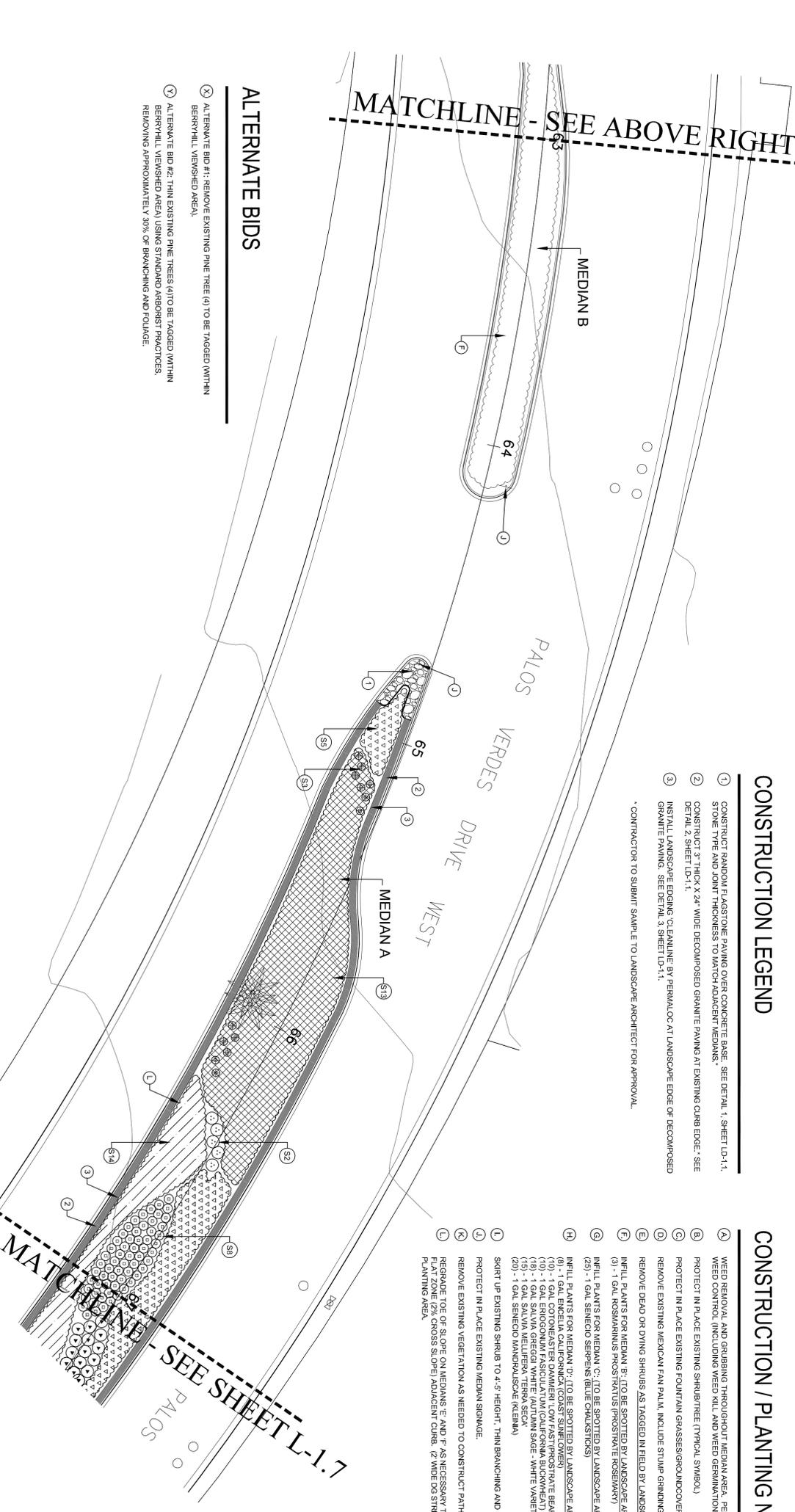
- A WEED REMOVAL AND GRUBBING THROUGHOUT MEDIAN AREA. PERFORM PRE-PLANT WEED CONTROL, INCLUDING WEED KILL AND WEED GERMINATION PER PLANTING NOTES.
- B PROTECT IN PLACE EXISTING SHRUB/TREE (TYPICAL SYMBOL)
- C PROTECT IN PLACE EXISTING POUNTAIN GRASSES/GROUNDCOVER (TYPICAL SYMBOL)
- D REMOVE EXISTING MEXICAN FAN PALM. INCLUDE STUMP GRINDING.
- E REMOVE DEAD OR DRYING SHRUBS AS TAGGED IN FIELD BY LANDSCAPE ARCHITECT.
- F INFILL PLANTS FOR MEDIAN B: (TO BE SPOTTED BY LANDSCAPE ARCHITECT)  
(9) 1 GAL. ROSMARINUS PROSTRATUS (PROSTRATE ROSEMARY)  
(25) 1 GAL. SENECCIO SERPENS (BLUE GRALSTOCKS)
- G INFILL PLANTS FOR MEDIAN C: (TO BE SPOTTED BY LANDSCAPE ARCHITECT)  
(8) 1 GAL. ENCELA CALIFORNICA (CONST SUMFLOWER)  
(10) 1 GAL. ERIOGONUM FASCICULATUM (CALIFORNIA BUCKWHEAT)  
(15) 1 GAL. SALVIA MELIIFERA, TERRA SERENA - WHITE VARIETY)  
(20) 1 GAL. SENECCIO MANDIPALISCAE (KLEINIA)
- H INFILL PLANTS FOR MEDIAN D: (TO BE SPOTTED BY LANDSCAPE ARCHITECT)  
(8) 1 GAL. ENCELA CALIFORNICA (CONST SUMFLOWER)  
(10) 1 GAL. ERIOGONUM FASCICULATUM (CALIFORNIA BUCKWHEAT)  
(15) 1 GAL. SALVIA MELIIFERA, TERRA SERENA - WHITE VARIETY)  
(20) 1 GAL. SENECCIO MANDIPALISCAE (KLEINIA)
- I SHARP UP EXISTING SHRUB TO 4.5' HEIGHT. THIN BRANCHING AND FOLIAGE BY 30%.
- J PROTECT IN PLACE EXISTING MEDIAN SIGNAGE.
- K REMOVE EXISTING VEGETATION AS NEEDED TO CONSTRUCT PATH AND WALL.
- L REGRADE TOE OF SLOPE ON MEDIANS 'E' AND 'F' AS NECESSARY TO CREATE A 3" WIDE FLAT ZONE (2% CROSS SLOPE) ADJACENT CURB. (2" WIDE DG STRIP + 12" WIDE FLAT PLANTING AREA)

**PLANT QUANTITY**

CALCULATED QUANTITY (SHEET LP-1.6)
S1 - 0
S2 - 5
S3 - 13
S4 - 0
S5 - 988 S.F.
S6 - 0
S7 - 0
S8 - 48
S9 - 0 S.F.
S10 - 0
S11 - 0
S12 - 0
S13 - 2,864 S.F.
S14 - 666 S.F.

**ALTERNATE BIDS**

- X ALTERNATE BID #1: REMOVE EXISTING PINE TREE (4) TO BE TAGGED WITHIN BERRYHILL VIEWSHED AREA.
- Y ALTERNATE BID #2: THIN EXISTING PINE TREES (4) TO BE TAGGED WITHIN BERRYHILL VIEWSHED AREA) USING STANDING ARBORIS PRACTICES. REMOVING APPROXIMATELY 30% OF BRANCHING AND FOLIAGE.



**SHEET INDEX**

Planting Legend See Sheets LP-1.1 & LP-1.7  
Planting Notes See Sheet LP-1.7  
Planting Plans See Sheets LP-1.1 thru LP-1.7  
Irrigation Notes & Legend See Sheets LD-1.1  
Irrigation Plans see Sheet LD-1.1 thru LD-1.7  
Planting & Construction Details See Sheet - LD-1.1  
Irrigation Details & AB1881 Cales See Sheets LD-1.2 thru LD-1.5





PROJECT ADDRESS

**PALOS VERDES  
DRIVE WEST  
MEDIAN  
BEAUTIFICATION**

Palos Verdes Drive West  
Rancho Palos Verdes, CA 90275

PROPERTY OWNER

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LANDSCAPE ARCHITECT



Landscape Architects  
Planners

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2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
562.989.1880



**REVISIONS / SUBMITTALS**

- 02/28/12 - 95% SUBMITTAL #1
- 02/29/12 - 95% SUBMITTAL #2
- 03/16/12 - 95% SUBMITTAL #3

**SHEET TITLE**

**PLANT COLLAGE  
PHOTOS AND  
TYPICAL SLOPE  
SECTIONS**

NORTH



SCALE 1"=20'-0"

JOB NO. 1-30

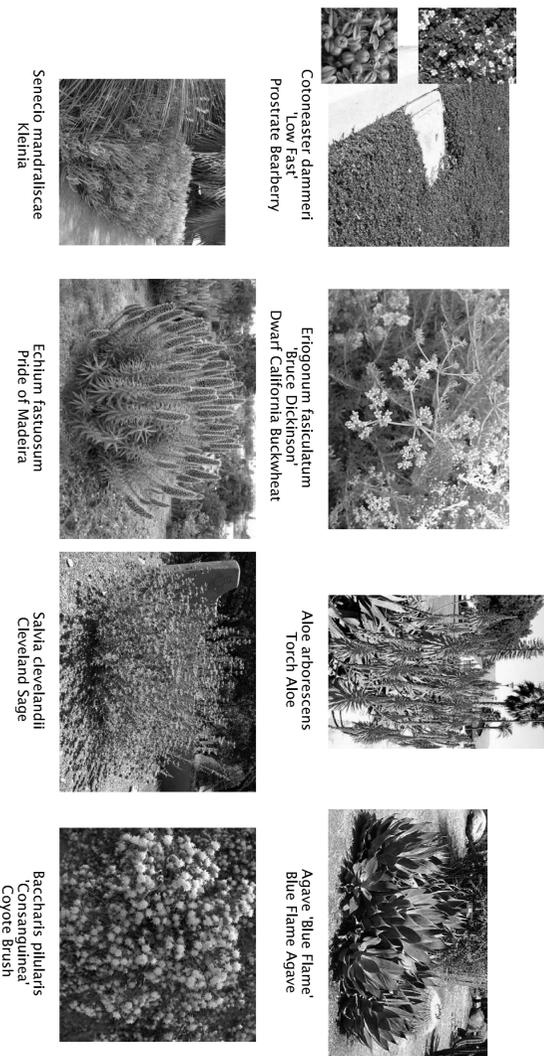
DATE 02/15/12

**SHEET NO.**

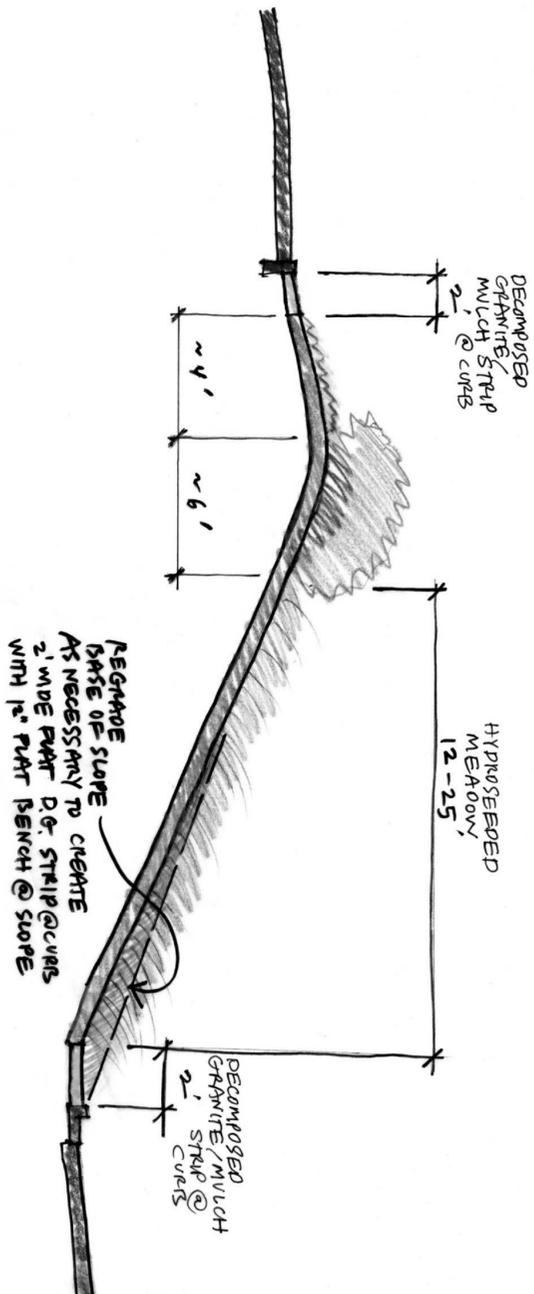
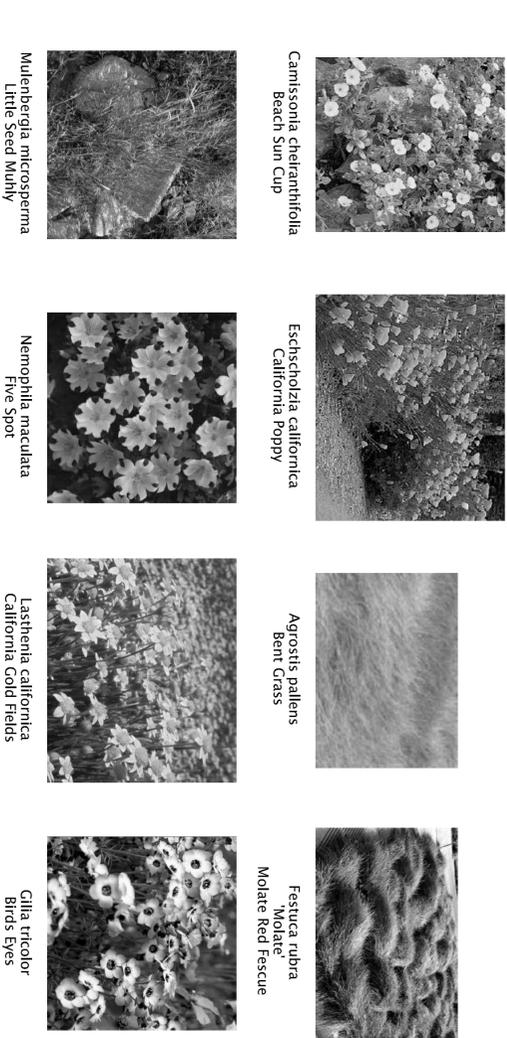
**LP-1.8**

9 OF 21 SHEETS

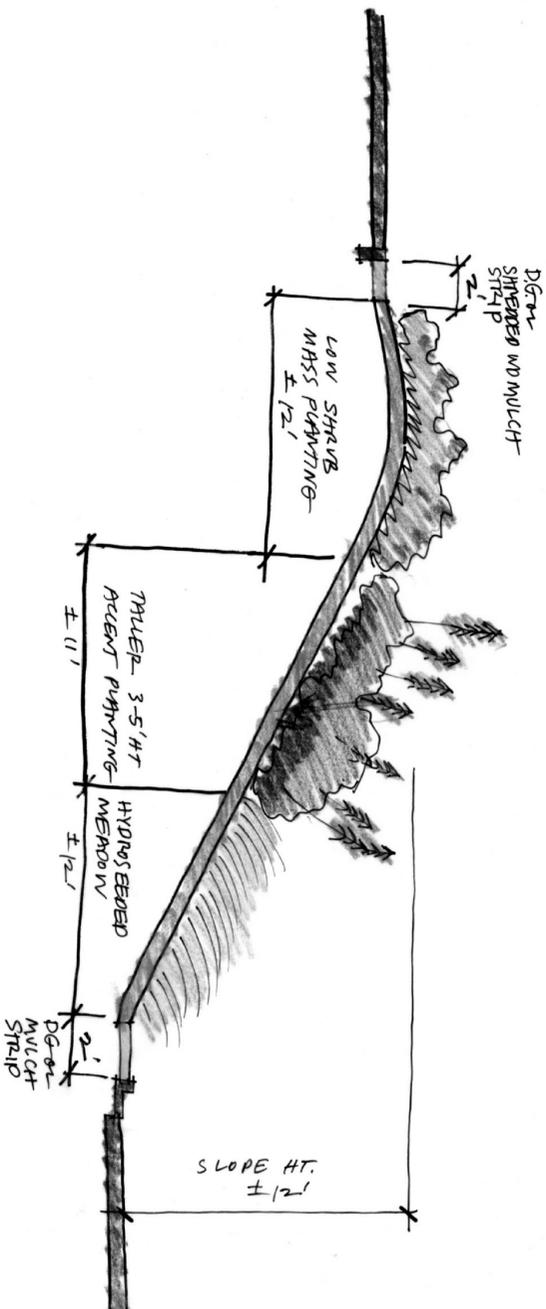
**PLANTING COLLAGE - SHRUBS**



**PLANTING COLLAGE - HYDROSEED MEADOW MIX**



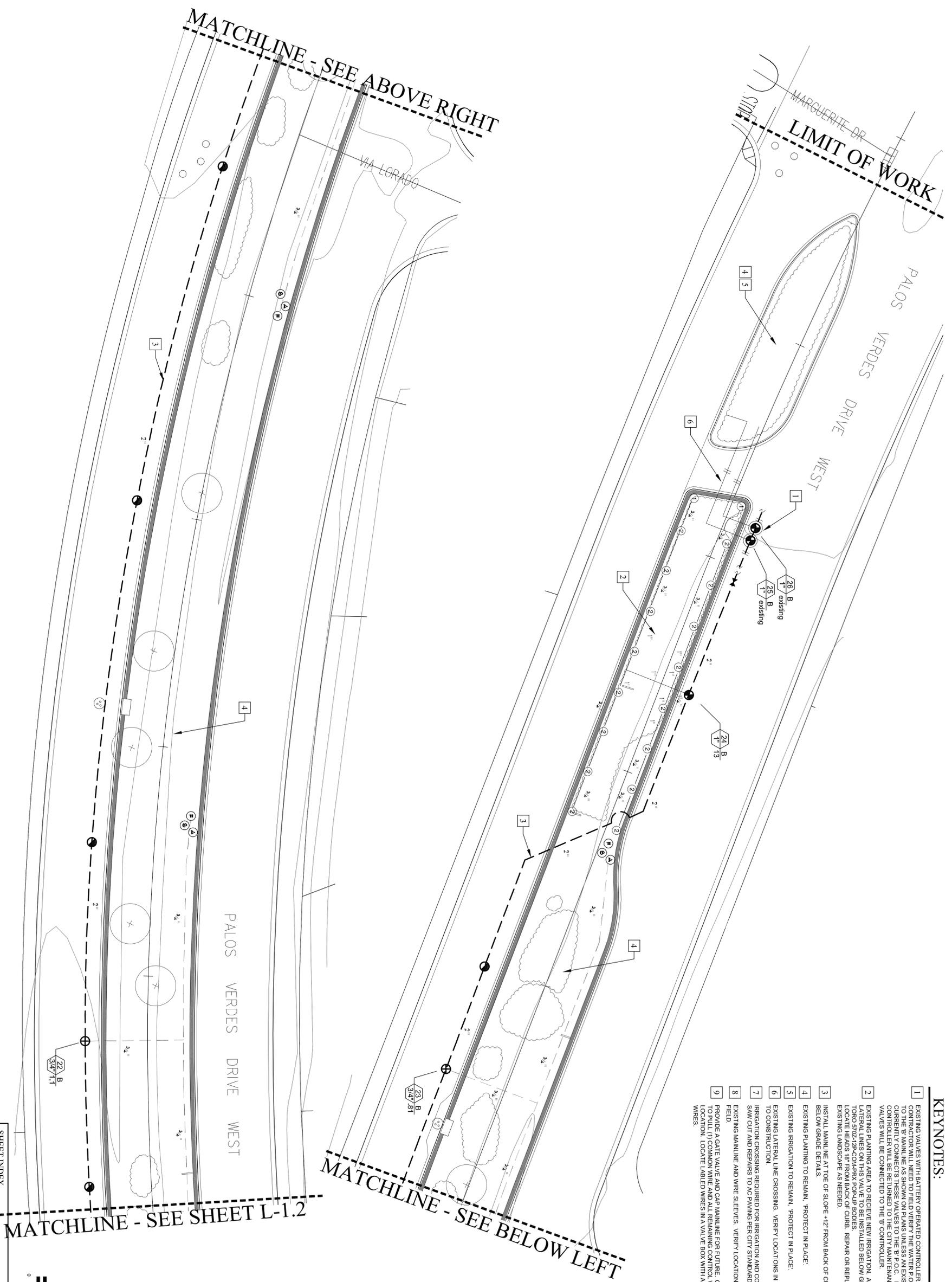
**SECTION A  
TYPICAL NEW MEDIAN PLANTING**



**SECTION B  
TYPICAL NEW MEDIAN PLANTING**

**SHEET INDEX**

Planting Legend See Sheets LP-1.1 & LP-1.7  
 Planting Notes See Sheet LP-1.7  
 Planting Plans See Sheets LP-1.1 thru LP-1.7  
 Irrigation Notes & Legend See Sheets LI-1.7  
 Irrigation Plans see Sheet LI-1.1 thru LI-1.7  
 Planting & Construction Details See Sheet - LD-1.1  
 Irrigation Details & AB1881 Cals See Sheets LD-1.2 thru LD-1.5



**KEYNOTES:**

- 1 EXISTING VALVES WITH BATTERY OPERATED CONTROLLER. THE BATTERY OPERATED CONTROLLER SHALL BE RELOCATED TO THE 'B' MAINLINE AS SHOWN ON PLANS UNLESS AN EXISTING MAINLINE CURRENTLY CONNECTS THESE VALVES TO THE 'B' P.O.C. BATTERY CONTROLLER WILL BE RETURNED TO THE CITY MAINTENANCE AND THE VALVES WILL BE CONNECTED TO THE 'B' CONTROLLER.
- 2 EXISTING PLANTING AREA TO RECEIVE NEW IRRIGATION. ALL HEADS AND LATERAL LINES ON THIS VALVE TO BE INSTALLED BELOW GRADE. USE TORO 570Z-19P-COMPHRX POP-UP BODIES. REPAIR OR REPLACE THE EXISTING LANDSCAPE AS NEEDED.
- 3 INSTALL MAINLINE AT TOP OF SLOPE +12" FROM BACK OF CURB. SEE BELOW GRADE DETAILS.
- 4 EXISTING PLANTING TO REMAIN. PROTECT IN PLACE.
- 5 EXISTING IRRIGATION TO REMAIN. PROTECT IN PLACE.
- 6 EXISTING LATERAL LINE CROSSING. VERIFY LOCATIONS IN FIELD PRIOR TO CONSTRUCTION.
- 7 IRRIGATION CROSSING REQUIRED FOR IRRIGATION AND CONTROL WIRES. SAW CUT AND REPAIRS TO AC PAVING PER CITY STANDARDS.
- 8 EXISTING MAINLINE AND WIRE SLEEVES. VERIFY LOCATIONS IN THE FIELD.
- 9 PROVIDE A GATE VALVE AND CAP MAINLINE FOR FUTURE. CONTRACTOR TO PULL (1) COMMON WIRE AND ALL REMAINING CONTROL WIRES TO THIS LOCATION. LOCATE LABELED WIRES IN A VALVE BOX WITH A 5' LOOP TO WIRES.

**PROJECT ADDRESS**

**PALOS VERDES DRIVE WEST MEDIAN BEAUIFICATION**

Palos Verdes Drive West  
Rancho Palos Verdes, CA 90275

**PROPERTY OWNER**

**City of Rancho Palos Verdes - Public Works Department**

30940 Hawthorne Blvd.  
Rancho Palos Verdes, CA 90275  
Project Contact : Ms. Nicole Jules  
Phone Number : (310) 544-5275

**LANDSCAPE ARCHITECT**

**JDC**  
Landscape Architects  
Planners

JON DAVID CICCCHETTI  
2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
562.989.1880



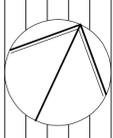
**REVISIONS / SUBMITTALS**

02/28/12 - 95% SUBMITTAL #1
02/29/12 - 95% SUBMITTAL #2
03/16/12 - 95% SUBMITTAL #3

**SHEET TITLE**

**IRRIGATION PLAN  
STA. 9 THRU 19**

**NORTH**



SCALE 1"=20'-0"

JOB NO. 11-30

DATE 02/15/12

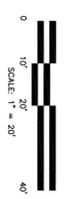
**SHEET NO.**

**L1-1.1**

10 OF 21 SHEETS

**SHEET INDEX**

Planting Legend See Sheets LP-1.1 & LP-1.7
Planting Notes See Sheet LP-1.7
Planting Plans See Sheets LP-1.1 thru LP-1.7
Irrigation Notes & Legend See Sheets LP-1.7
Irrigation Plans see Sheet LP-1.1 thru LP-1.7
Planting & Construction Details See Sheet - LP-1.1
Irrigation Details & AB1881 Cales See Sheets LP-1.2 thru LP-1.5



PROJECT ADDRESS

**PALOS VERDES  
DRIVE WEST  
MEDIAN  
BEAUTIFICATION**

Rancho Palos Verdes, CA 90275  
Palos Verdes Drive West  
Rancho Palos Verdes, CA 90275

PROPERTY OWNER

**City of Rancho Palos  
Verdes - Public  
Works Department**

30940 Hawthorne Blvd.  
Rancho Palos Verdes, CA 90275  
Project Contact : Ms. Nicole Jules  
Phone Number : (310) 544-5275

LANDSCAPE ARCHITECT



JON DAVID CICCCHETTI  
2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
562.989.1880

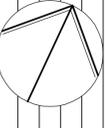


REVISIONS / SUBMITTALS  
02/28/12 - 95% SUBMITTAL #1  
02/29/12 - 95% SUBMITTAL #2  
03/16/12 - 95% SUBMITTAL #3

SHEET TITLE

**IRRIGATION  
PLAN  
STA. 19 THRU 29**

NORTH



SCALE 1"=20'-0"

JOB NO. 1-1-30

DATE 02/15/12

SHEET NO.

**L1-1.2**

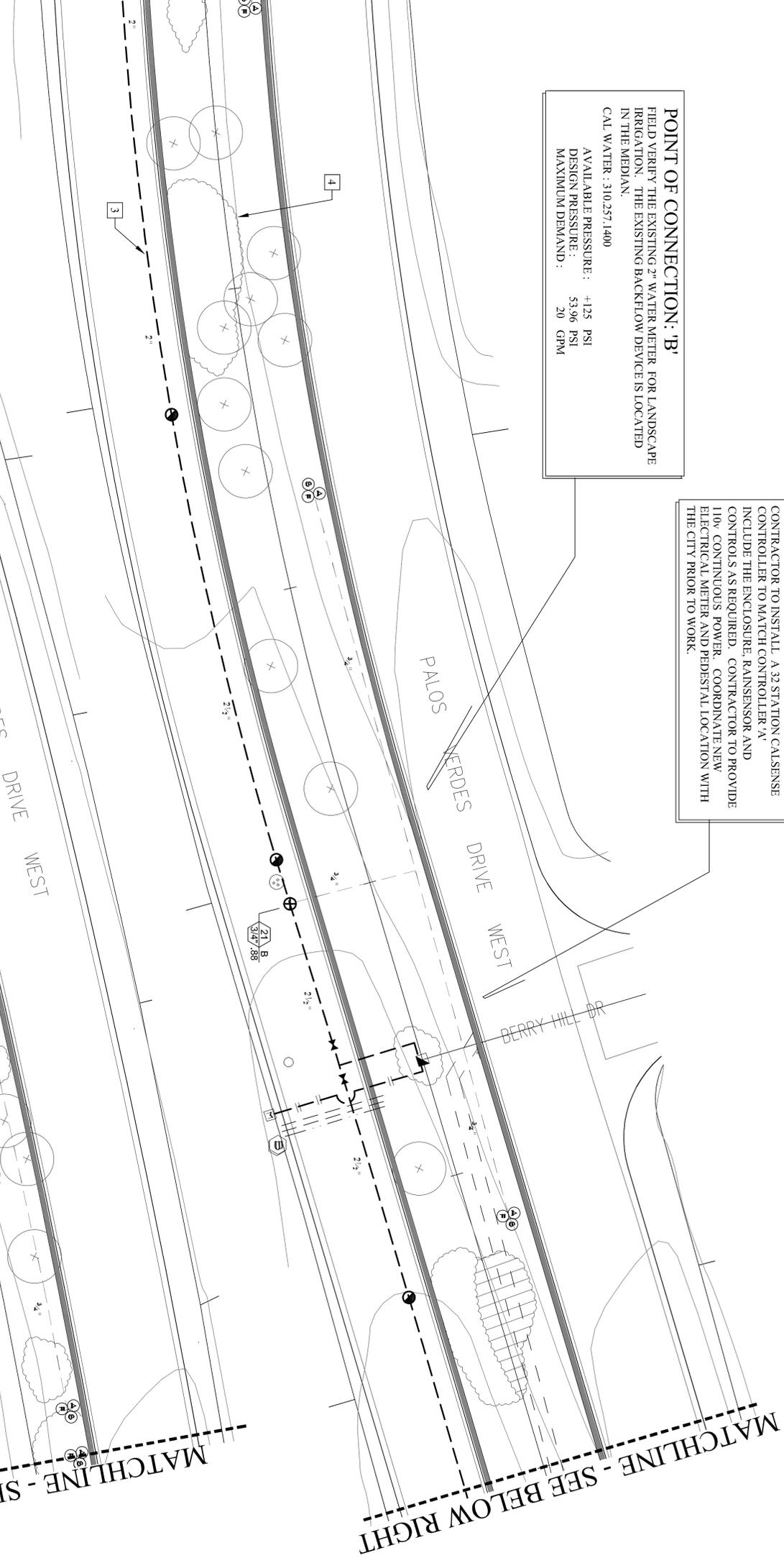
11 OF 21 SHEETS

**CONTROLLER NOTE : 'B'**  
CONTRACTOR TO INSTALL A 32 STATION CALSENSE CONTROLLER TO MATCH CONTROLLER 'A' INCLUDE THE ENCLOSURE, RAINSENSOR AND CONTROLS AS REQUIRED. CONTRACTOR TO PROVIDE 110V CONTINUOUS POWER. COORDINATE NEW ELECTRICAL METER AND PEDESTAL LOCATION WITH THE CITY PRIOR TO WORK.

**POINT OF CONNECTION : 'B'**  
FIELD VERIFY THE EXISTING 2" WATER METER FOR LANDSCAPE IRRIGATION. THE EXISTING BACKFLOW DEVICE IS LOCATED IN THE MEDIAN.

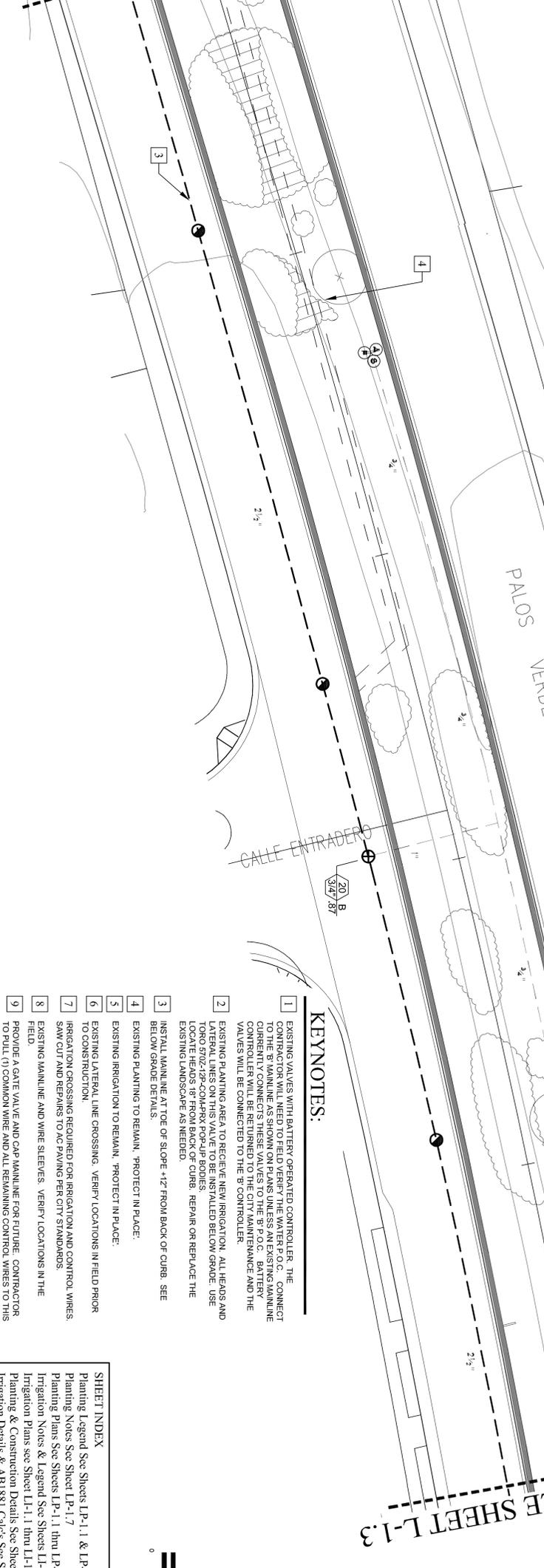
AVAILABLE PRESSURE : +125 PSI  
DESIGN PRESSURE : 53.96 PSI  
MAXIMUM DEMAND : 20 GPM

MATCHLINE - SEE SHEET L-1.1



MATCHLINE - SEE SHEET L-1.3

MATCHLINE - SEE ABOVE RIGHT



**KEYNOTES:**

- 1 EXISTING VALVES WITH BATTERY OPERATED CONTROLLER. THE CONTRACTOR SHALL NEED TO FIELD VERIFY THE WATER P.O.C. CONNECT TO THE 'B' MAINLINE AS SHOWN ON PLANS UNLESS AN EXISTING MAINLINE CURRENTLY CONNECTS THESE VALVES TO THE 'B' P.O.C. BATTERY CONTROLLER WILL BE RETURNED TO THE CITY MAINTENANCE AND THE VALVES WILL BE CONNECTED TO THE 'B' CONTROLLER.
- 2 EXISTING PLANTING AREA TO RECEIVE NEW IRRIGATION. ALL HEADS AND LATERAL LINES ON THIS VALVE TO BE INSTALLED BELOW GRADE. USE TORO 5702-12P-COM-PRX POP-UP BODIES.
- 3 LOCATE HEADS 18" FROM BACK OF CURB. REPAIR OR REPLACE THE EXISTING LANDSCAPE AS NEEDED.
- 4 INSTALL MAINLINE AT TOE OF SLOPE +12" FROM BACK OF CURB. SEE BELOW GRADE DETAILS.
- 5 EXISTING IRRIGATION TO REMAIN. PROTECT IN PLACE.
- 6 EXISTING IRRIGATION TO REMAIN. PROTECT IN PLACE.
- 7 EXISTING LATERAL LINE CROSSING. VERIFY LOCATIONS IN FIELD PRIOR TO CONSTRUCTION.
- 8 IRRIGATION CROSSING REQUIRED FOR IRRIGATION AND CONTROL WIRES. SAW CUT AND REPAIRS TO AC PAVING PER CITY STANDARDS.
- 9 EXISTING MAINLINE AND WIRE SLEEVES. VERIFY LOCATIONS IN THE FIELD.
- 9 PROVIDE A GATE VALVE AND GATE MAINLINE FOR FUTURE. CONTRACTOR TO PULL (9) COMMON WIRE AND ALL REMAINING CONTROL WIRES TO THIS LOCATION. LOCATE LABELED WIRES IN A VALVE BOX WITH A 58 LOOP TO WIRES.

**SHEET INDEX**

- Planting Legend See Sheets LP-1.1 & LP-1.7
- Planting Notes See Sheet LP-1.7
- Planting Plans See Sheets LP-1.1 thru LP-1.7
- Irrigation Notes & Legend See Sheets LI-1.7
- Irrigation Plans see Sheet LI-1.1 thru LI-1.7
- Planting & Construction Details See Sheet - LD-1.1
- Irrigation Details & AB1881 Cales See Sheets LD-1.2 thru LD-1.5

PROJECT ADDRESS

**PALOS VERDES DRIVE WEST  
MEDIAN  
BEAUTIFICATION**

Rancho Palos Verdes, CA 90275  
Palos Verdes Drive West  
Rancho Palos Verdes, CA 90275

PROPERTY OWNER

**City of Rancho Palos  
Verdes - Public  
Works Department**

30940 Hawthorne Blvd.  
Rancho Palos Verdes, CA 90275  
Project Contact : Ms. Nicole Jules  
Phone Number : (310) 544-5275

LANDSCAPE ARCHITECT



Landscapes Architects  
Planners  
**JON DAVID CICCCHETTI**  
2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
562.989.1880

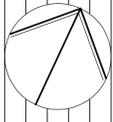


**REVISIONS / SUBMITTALS**  
02/28/12 - 95% SUBMITTAL #1  
02/29/12 - 95% SUBMITTAL #2  
03/16/12 - 95% SUBMITTAL #3

SHEET TITLE

**IRRIGATION  
PLAN  
STA. 29 THRU 39**

NORTH



SCALE 1"=20'-0"

JOB NO. 11-30

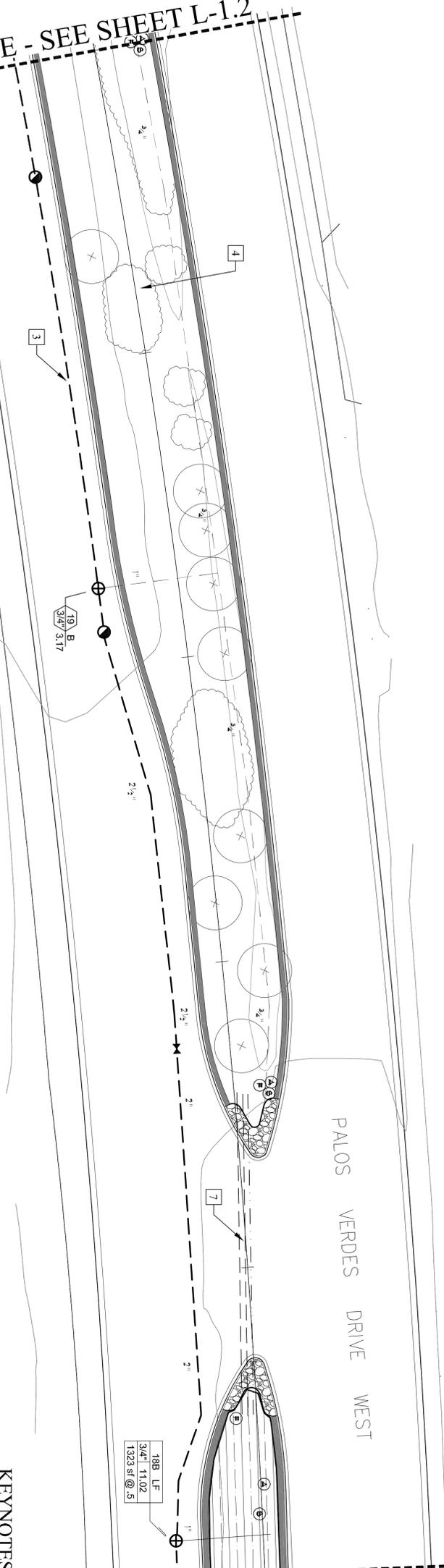
DATE 02/15/12

SHEET NO.

**L1-1.3**

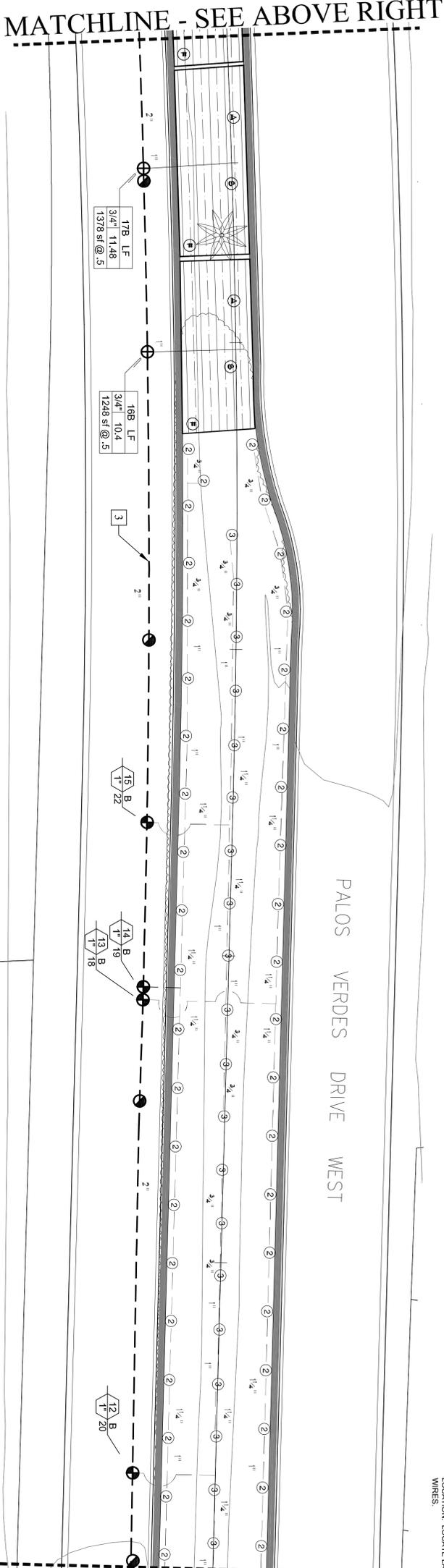
12 OF 21 SHEETS

MATCHLINE - SEE SHEET L-1.2



MATCHLINE - SEE BELOW LEFT

MATCHLINE - SEE ABOVE RIGHT



MATCHLINE - SEE SHEET L-1.4

**KEYNOTES:**

- 1 EXISTING VALVES WITH BATTERY OPERATED CONTROLLER. THE CONTRACTOR WILL NEED TO FIELD VERIFY THE WATER P.O.C. CONNECT TO THE 'B' MAINLINE AS SHOWN ON PLANS UNLESS AN EXISTING MAINLINE CURRENTLY CONNECTS THESE VALVES TO THE 'B' P.O.C. BATTERY CONTROLLER WILL BE RETURNED TO THE CITY MAINTENANCE AND THE VALVES WILL BE CONNECTED TO THE 'B' CONTROLLER.
- 2 EXISTING PLANTING AREA TO RECEIVE NEW IRRIGATION. ALL HEADS AND LATERAL LINES ON THIS VALVE TO BE INSTALLED BELOW GRADE. USE 1/2" OR 3/4" PVC-COMPAK POP-UP BODIES TO BE INSTALLED BELOW GRADE. THE EXISTING LANDSCAPE AS NEEDED.
- 3 INSTALL MAINLINE AT TOE OF SLOPE +12" FROM BACK OF CURB. SEE BELOW GRADE DETAILS.
- 4 EXISTING IRRIGATION TO REMAIN. \*PROTECT IN PLACE.
- 5 EXISTING LATERAL LINE CROSSING. VERIFY LOCATIONS IN FIELD PRIOR TO CONSTRUCTION.
- 6 IRRIGATION CROSSING REQUIRED FOR IRRIGATION AND CONTROL WIRES. SAW CUT AND REPAIRS TO AC PAVING PER CITY STANDARDS.
- 7 EXISTING MAINLINE AND WIRE SLEEVES. VERIFY LOCATIONS IN THE FIELD.
- 8 PROVIDE A GATE VALVE AND CAP MAINLINE FOR FUTURE. CONTRACTOR TO PULL (1) COMMON WIRE AND ALL REMAINING CONTROL WIRES TO THIS LOCATION. LOCATE LABELED WIRES IN A VALVE BOX WITH A 36" LOOP TO WIRES.
- 9

**SHEET INDEX**

Planting Legend See Sheets LP-1.1 & LP-1.7  
Planting Notes See Sheet LP-1.7  
Planting Plans See Sheets LP-1.1 thru LP-1.7  
Irrigation Notes & Legend See Sheets LI-1.1 thru LI-1.7  
Irrigation Plans see Sheet LI-1.1 thru LI-1.7  
Planting & Construction Details See Sheet - LD-1.1  
Irrigation Details & AB1881 Cals See Sheets LD-1.2 thru LD-1.5

PROJECT ADDRESS

**PALOS VERDES DRIVE WEST MEDIAN BEAUTIFICATION**

Palos Verdes Drive West  
Rancho Palos Verdes, CA 90275

PROPERTY OWNER

**City of Rancho Palos Verdes - Public Works Department**

30940 Hawthorne Blvd.  
Rancho Palos Verdes, CA 90275  
Project Contact : Ms. Nicole Jules  
Phone Number : (310) 544-5275

LANDSCAPE ARCHITECT



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Planners  
JON DAVID CICCCHETTI  
2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
562.989.1880

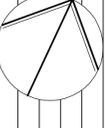


REVISIONS / SUBMITTALS  
02/28/12 - 95% SUBMITTAL #1  
02/29/12 - 95% SUBMITTAL #2  
03/16/12 - 95% SUBMITTAL #3

SHEET TITLE

**IRRIGATION PLAN  
STA. 39 THRU 48**

NORTH



SCALE 1"=20'-0"

JOB NO. 11-30

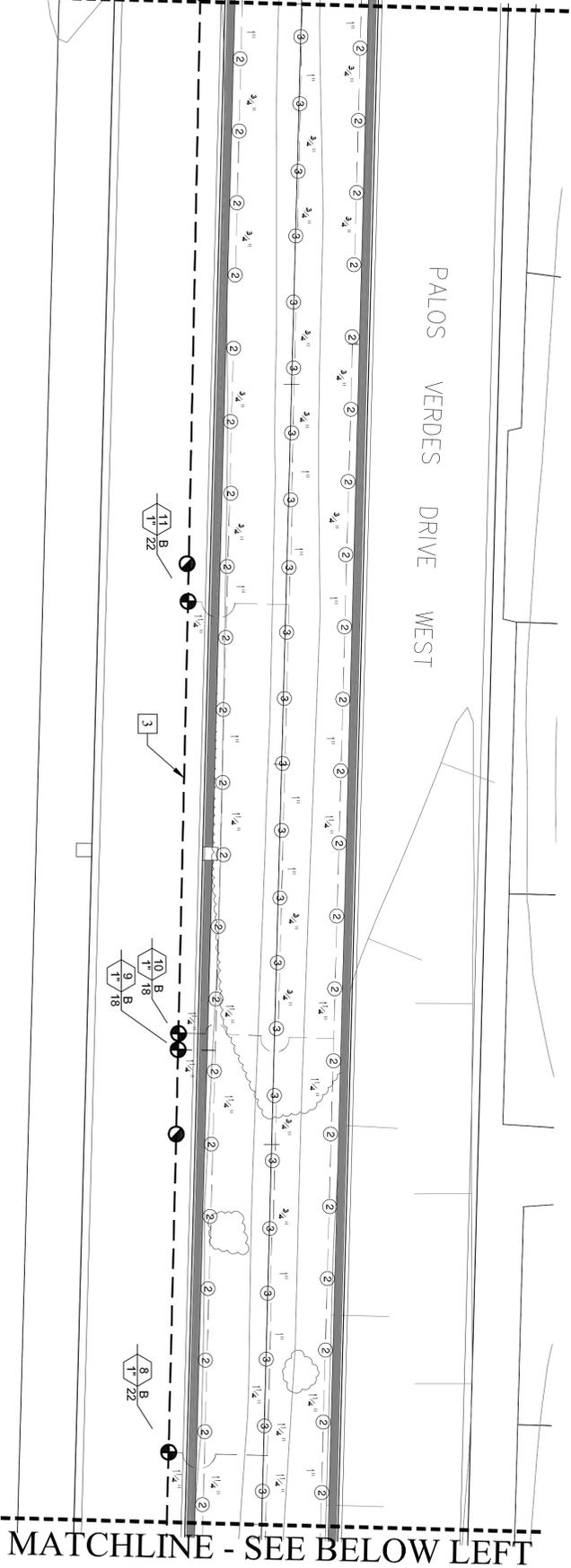
DATE 02/15/12

SHEET NO.

**L1-1.4**

13 OF 21 SHEETS

MATCHLINE - SEE SHEET L-1.3

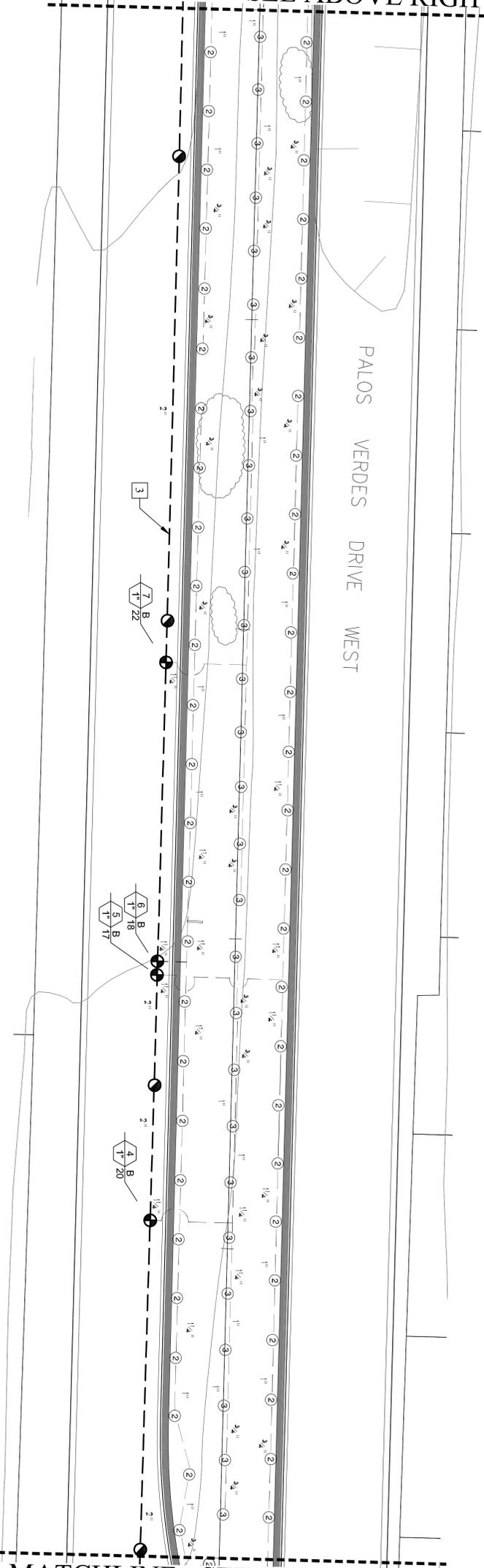


MATCHLINE - SEE BELOW LEFT

**KEYNOTES:**

- 1 EXISTING VALVES WITH BATTERY OPERATED CONTROLLER. THE CONTRACTOR WILL NEED TO FIELD VERIFY THE WATER P.O.C. CONNECT TO THE BATTERY OPERATED CONTROLLER. VERIFY THE WATER P.O.C. LOCATION AND VERIFY THE WATER P.O.C. IS A BATTERY OPERATED CONTROLLER. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE BATTERY OPERATED CONTROLLER. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE BATTERY OPERATED CONTROLLER. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE BATTERY OPERATED CONTROLLER.
- 2 EXISTING PLANTING AREA TO RECEIVE NEW IRRIGATION. ALL HEADS AND LOCATE HEADS 18" FROM BACK OF CURB. REPAIR OR REPLACE THE EXISTING LANDSCAPE AS NEEDED.
- 3 INSTALL MAINLINE AT TOE OF SLOPE +12" FROM BACK OF CURB. SEE BELOW GRADE DETAILS.
- 4 EXISTING PLANTING TO REMAIN. PROTECT IN PLACE.
- 5 EXISTING IRRIGATION TO REMAIN. PROTECT IN PLACE.
- 6 EXISTING LATERAL LINE CROSSING. VERIFY LOCATIONS IN FIELD PRIOR TO CONSTRUCTION.
- 7 IRRIGATION CROSSING REQUIRED FOR IRRIGATION AND CONTROL WIRES. VERIFY LOCATIONS IN FIELD PRIOR TO CONSTRUCTION.
- 8 EXISTING MAINLINE AND WIRE SLEEVES. VERIFY LOCATIONS IN THE FIELD.
- 9 PROVIDE A GATE VALVE AND CAP MAINLINE FOR FUTURE. CONTRACTOR TO PULL (1) COMMON WIRE AND ALL REMAINING CONTROL WIRES TO THIS LOCATION. LOCATE LABELED WIRES IN A VALVE BOX WITH A 36" LOOP TO WIRES.

MATCHLINE - SEE ABOVE RIGHT



MATCHLINE - SEE SHEET L-1.5



**SHEET INDEX**  
Planting Legend See Sheets LP-1.1 & LP-1.7  
Planting Notes See Sheet LP-1.7  
Planting Plans See Sheets LP-1.1 thru LP-1.7  
Irrigation Notes & Legend See Sheets LI-1.1 thru LI-1.7  
Irrigation Plans see Sheet LI-1.1 thru LI-1.7  
Planting & Construction Details See Sheet - LD-1.1 thru LD-1.5  
Irrigation Details & AB1881 Cales See Sheets LD-1.2 thru LD-1.5

PROJECT ADDRESS

**PALOS VERDES DRIVE WEST MEDIAN BEAUTIFICATION**

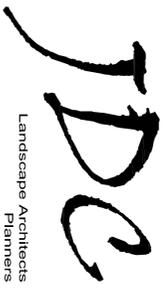
Palos Verdes Drive West  
Rancho Palos Verdes, CA 90275

PROPERTY OWNER

**City of Rancho Palos Verdes - Public Works Department**

30940 Hawthorne Blvd.  
Rancho Palos Verdes, CA 90275  
Project Contact : Ms. Nicole Jules  
Phone Number : (310) 544-5275

LANDSCAPE ARCHITECT



JON DAVID CICCHETTI  
2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
562.989.1880

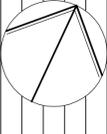


REVISIONS / SUBMITTALS  
02/28/12 - 95% SUBMITTAL #1  
02/29/12 - 95% SUBMITTAL #2  
03/16/12 - 95% SUBMITTAL #3

SHEET TITLE

**IRRIGATION PLAN  
STA. 48 THRU 58**

NORTH



SCALE 1"=20'-0"

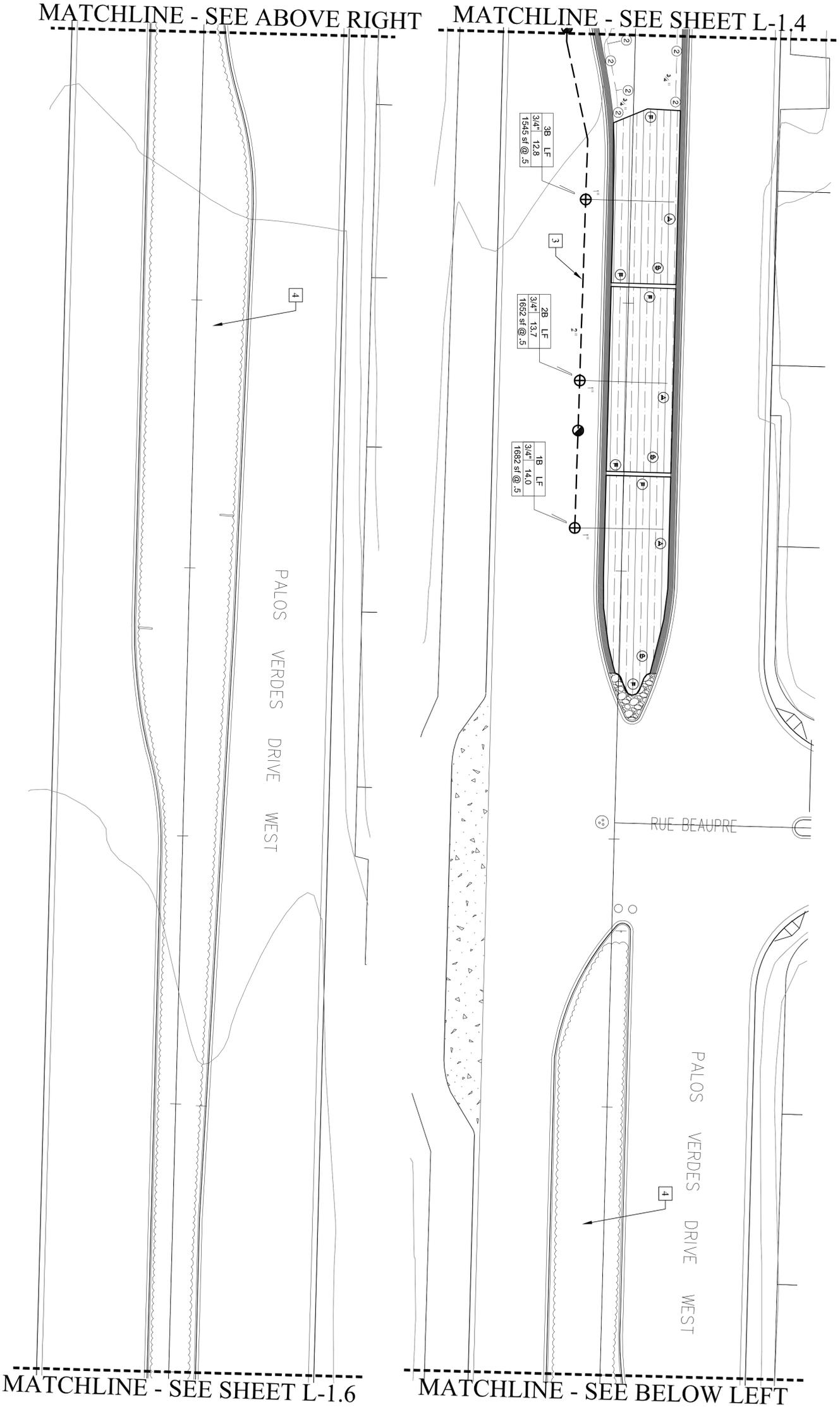
JOB NO. 11-30

DATE 02/15/12

SHEET NO.

**L1-1.5**

14 OF 21 SHEETS



**KEYNOTES:**

- 1 EXISTING VALVES WITH BATTERY OPERATED CONTROLLER. THE CONTRACTOR WILL NEED TO FIELD VERIFY THE WATER P.O.C. CONNECT TO THE "B" MAINLINE AS SHOWN ON PLANS UNLESS AN EXISTING MAINLINE CURRENTLY CONNECTS THESE VALVES TO THE "B" P.O.C. BATTERY CONTROLLER WILL BE RETURNED TO THE CITY MAINTENANCE AND THE VALVES WILL BE CONNECTED TO THE "B" CONTROLLER.
- 2 EXISTING PLANTING AREA TO RECEIVE NEW IRRIGATION. ALL HEADS AND LATERAL LINES ON THIS VALVE TO BE INSTALLED BELOW GRADE. USE 1/2" OR 3/4" COMPACT POP-UP BODIES. REPAIR OR REPLACE THE EXISTING LANDSCAPE AS NEEDED.
- 3 INSTAL MAINLINE AT TOE OF SLOPE +1/2" FROM BACK OF CURB. SEE BELOW GRADE DETAILS.
- 4 EXISTING PLANTING TO REMAIN. PROTECT IN PLACE.
- 5 EXISTING IRRIGATION TO REMAIN. PROTECT IN PLACE.
- 6 EXISTING LATERAL LINE CROSSING. VERIFY LOCATIONS IN FIELD PRIOR TO CONSTRUCTION.
- 7 IRRIGATION CROSSINGS REQUIRED FOR IRRIGATION AND CONTROL WIRES. SAW CUT AND REPAIRS TO AC PAVING PER CITY STANDARDS.
- 8 EXISTING MAINLINE AND WIRE SLEEVES. VERIFY LOCATIONS IN THE FIELD.
- 9 PROVIDE A GATE VALVE AND CAP MAINLINE FOR FUTURE. CONTRACTOR TO PULL (1) COMMON WIRE AND ALL REMAINING CONTROL WIRES TO THIS LOCATION. LOCATE LABELED WIRES IN A VALVE BOX WITH A 36" LOOP TO WIRES.

SHEET INDEX

Planting Legend	See Sheets LP-1.1 & LP-1.7
Planting Notes	See Sheet LP-1.7
Planting Plans	See Sheets LP-1.1 thru LP-1.7
Irrigation Notes & Legend	See Sheets LP-1.7
Irrigation Plans	see Sheet L1-1.1 thru L1-1.7
Planting & Construction Details	See Sheet - LD-1.1
Irrigation Details	& AB1881 Cales See Sheets LD-1.2 thru LD-1.5

PROJECT ADDRESS

**PALOS VERDES  
DRIVE WEST  
MEDIAN  
BEAUTIFICATION**

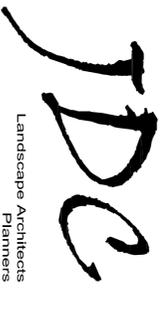
Palos Verdes Drive West  
Rancho Palos Verdes, CA 90275

PROPERTY OWNER

**City of Rancho Palos  
Verdes - Public  
Works Department**

30940 Hawthorne Blvd.  
Rancho Palos Verdes, CA 90275  
Project Contact : Ms. Nicole Jules  
Phone Number : (310) 544-5275

LANDSCAPE ARCHITECT



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2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
562.989.1880



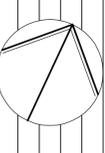
**REVISIONS / SUBMITTALS**

02/28/12 - 95% SUBMITTAL #1  
02/29/12 - 95% SUBMITTAL #2  
03/16/12 - 95% SUBMITTAL #3

SHEET TITLE

**IRRIGATION  
PLAN  
STA. 58 THRU 67**

NORTH



SCALE 1"=20'-0"

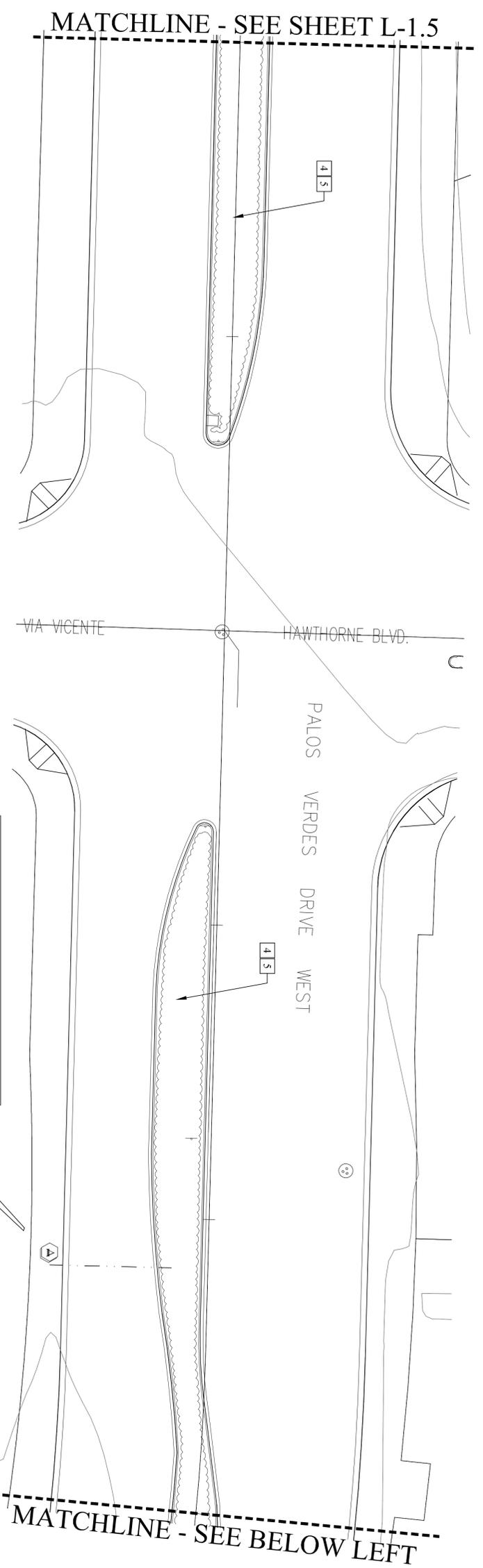
JOB NO. 11-30

DATE 02/15/12

SHEET NO.

**L1-1.6**

16 OF 21 SHEETS



MATCHLINE - SEE SHEET L-1.5

VIA VICENTE HAWTHORNE BLVD.

PALOS VERDES DRIVE WEST

MATCHLINE - SEE BELOW LEFT

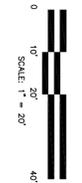
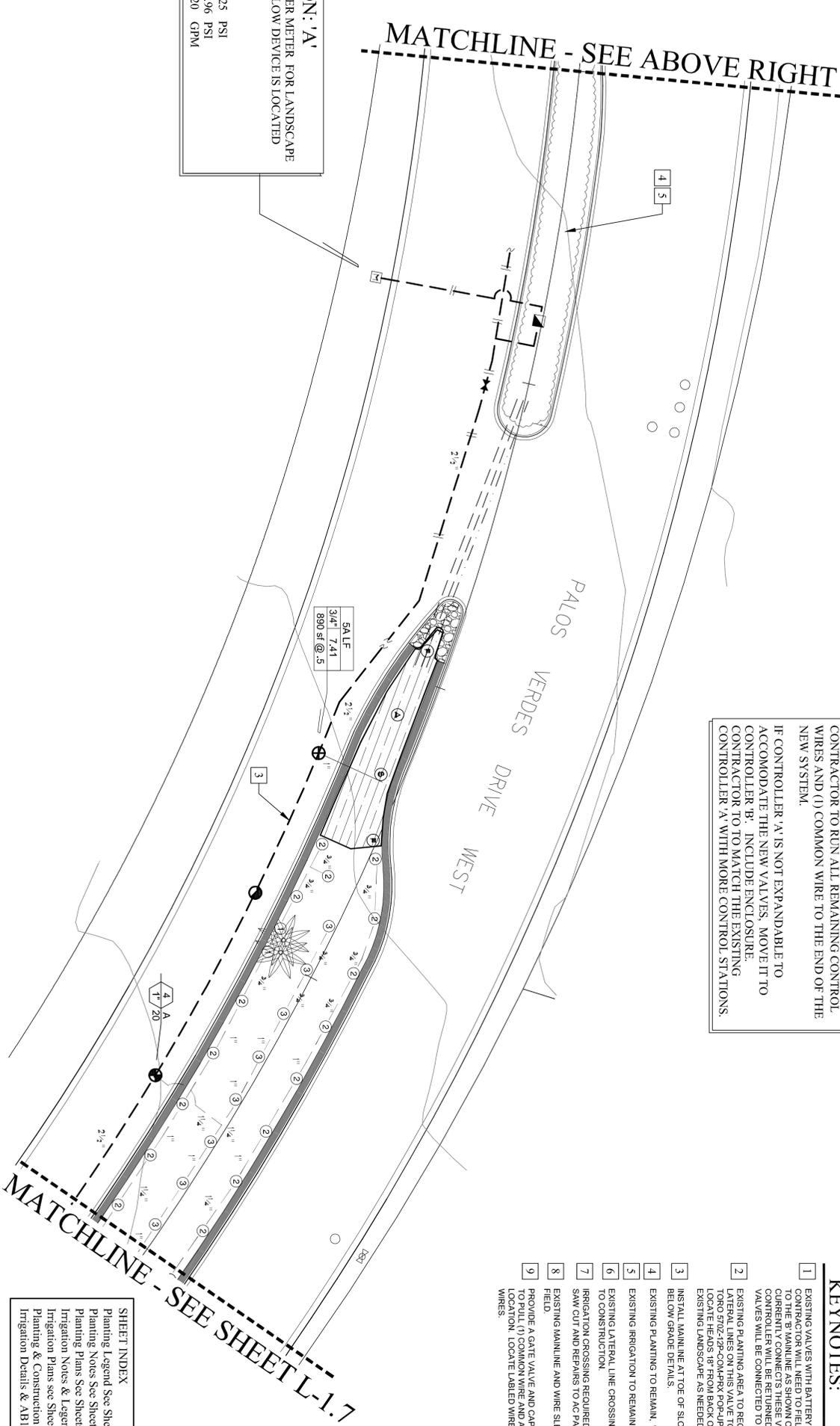
**CONTROLLER NOTE : 'A'**  
EXISTING CONTROLLER LOCATION. CONTRACTOR TO USE THE AVAILABLE STATIONS FOR NEW IRRIGATION VALVES.  
CONTRACTOR TO RUN ALL REMAINING CONTROL WIRES AND (D) COMMON WIRE TO THE END OF THE NEW SYSTEM.  
IF CONTROLLER 'A' IS NOT EXPANDABLE TO ACCOMMODATE THE NEW VALVES. MOVE IT TO CONTROLLER 'B'. INCLUDE ENCLOSURE CONTRACTOR TO MATCH THE EXISTING CONTROLLER 'A' WITH MORE CONTROL STATIONS.

**KEYNOTES:**

- 1 EXISTING VALVES WITH BATTERY OPERATED CONTROLLER. THE CONTRACTOR WILL NEED TO FIELD VERIFY THE WATER P.O.C. CONNECT TO THE 'B' MAINLINE AS SHOWN ON PLANS UNLESS AN EXISTING MAINLINE CURRENTLY CONNECTS THESE VALVES TO THE 'B' P.O.C. BATTERY VALVES WILL BE RETURNED TO THE CITY MAINTENANCE AND THE VALVES WILL BE CONNECTED TO THE 'B' CONTROLLER.
- 2 EXISTING PLANTING AREA TO RECEIVE NEW IRRIGATION. ALL HEADS AND LATERAL LINES ON THIS VALVE TO BE INSTALLED BELOW GRADE. USE TORO SIZ-2/2P-COMPAK POP-UP BODIES. REPAIR OR REPLACE THE EXISTING HEADS AND POP-UP BODIES. REPAIR OR REPLACE THE EXISTING LANDSCAPE WEEDS.
- 3 INSTALL MAINLINE AT TOE OF SLOPE +12" FROM BACK OF CURB. SEE BELOW GRADE DETAILS.
- 4 EXISTING PLANTING TO REMAIN. PROTECT IN PLACE.
- 5 EXISTING IRRIGATION TO REMAIN. PROTECT IN PLACE.
- 6 EXISTING LATERAL LINE CROSSING. VERIFY LOCATIONS IN FIELD PRIOR TO CONSTRUCTION.
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- 8 EXISTING MAINLINE AND WIRE SLEEVES. VERIFY LOCATIONS IN THE FIELD.
- 9 PROVIDE A GATE VALVE AND GAS MAINLINE FOR FUTURE. CONTRACTOR TO PULL (D) COMMON WIRE AND ALL REMAINING CONTROL WIRES TO THIS LOCATION. LOCATE LABELED WIRES IN A VALVE BOX WITH A 36" LOOP TO WIRES.

MATCHLINE - SEE ABOVE RIGHT

**POINT OF CONNECTION: 'A'**  
FIELD VERIFY THE EXISTING 2" WATER METER FOR LANDSCAPE IRRIGATION. THE EXISTING BACKFLOW DEVICE IS LOCATED IN THE MEDIAN.  
CAL WATER : 310.257.1400  
AVAILABLE PRESSURE : +125 PSI  
DESIGN PRESSURE : 53.96 PSI  
MAXIMUM DEMAND : 20 GPM



SCALE 1"=20'

**SHEET INDEX**

- Planting Legend See Sheets LP-1.1 & LP-1.7
- Planting Notes See Sheet LP-1.7
- Planting Plans See Sheets LP-1.1 thru LP-1.7
- Irrigation Notes & Legend See Sheets LI-1.7
- Irrigation Plans see Sheet LI-1.1 thru LI-1.7
- Planting & Construction Details See Sheet - LD-1.1
- Irrigation Details & AB1881 Cals See Sheets LD-1.2 thru LD-1.5

**PALOS VERDES DRIVE WEST MEDIAN BEAUFICATION**  
 Palos Verdes Drive West  
 Rancho Palos Verdes, CA 90275

PROPERTY OWNER  
**City of Rancho Palos Verdes - Public Works Department**

30940 Hawthorne Blvd.  
 Rancho Palos Verdes, CA 90275  
 Project Contact : Ms. Nicole Julies  
 Phone Number : (310) 544-5275

LANDSCAPE ARCHITECT



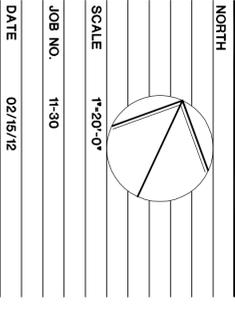
JON DAVID CICCCHETTI  
 2760 E. SPRING ST., SUITE 110  
 LONG BEACH, CA 90806  
 562.989.1880



REVISIONS / SUBMITTALS

02/28/12	- 95% SUBMITTAL #1
02/29/12	- 95% SUBMITTAL #2
03/16/12	- 95% SUBMITTAL #3

SHEET TITLE  
**IRRIGATION PLAN**  
 STA. 67 THRU 70

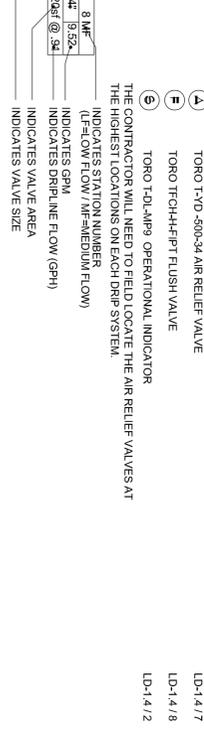
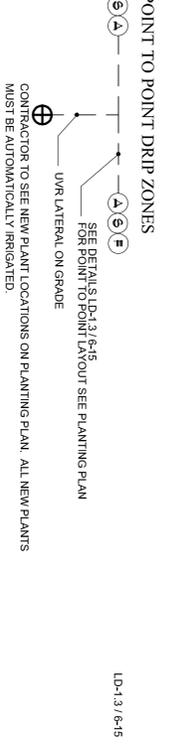


SHEET NO.  
**11-1.7**

16 OF 21 SHEETS

**IRRIGATION LEGEND**

SYMBOL	MFG.	MODEL NO.	DESCRIPTION	R4D.	GPM.	PSI	SHT./DETAIL
1	TORO	570S-XE-PRNH-TA-90	QUARTER ROTATING HEAD	16"	.45	25	LD-1.3/5
2	TORO	570S-XE-PRNH-TA-180	HALF ROTATING HEAD	15"	.76	25	LD-1.3/5
3	TORO	570S-XE-PRNH-TA-360	FULL ROTATING HEAD	15"	1.81	25	LD-1.3/5
M1			EXISTING WATER METER - VERIFY ON SITE FOR EXACT LOCATION.				NA
M2			EXISTING REDUCED PRESSURE TYPE BACKFLOW DEVICE - VERIFY LOCATION IN FIELD.				PER MFG.
M3			2" WILKINS 800 SERIES PRESSURE REGULATOR.				NA
M4			2" SUPERIOR 3100 MASTER VALVE.				LD-1.3/2
M5			RANBRD ETR-CP-PRS-D REMOTE CONTROL VALVE. SIZES INDICATED				LD-1.2/14
M6			EXISTING REMOTE CONTROL VALVE. SIZES INDICATED				NA
M7			RAIN BRD. 1" QUICK COUPLER, 44 LRC WITH LOCKING YELLOW CAP.				LD-1.3/3
M8			IRRIGATION CONTROLLER - SEE NOTE				LD-1.2/1
M9			1.25" B. CALSENSE FLOW SENSOR				LD-1.2/2
M10			WATTS FBV GATE VALVE - LINE SIZE				LD-1.2/11
M11			PVC SCH 40 LATERAL LINE - 1/2" COVER IN PLANTING AREAS. PVC SCH 40-24" COVER UNDER PAVING. - SIZES INDICATED				LD-1.2
M12			INSTALL LVR PVC SCH 40 PVC ON GRADE STAKE ABOVE GROUND PIPE @ 10" O.C. - SIZES INDICATED				LD-1.2
M13			PVC SCH. 40 MAINLINE - 1/2" AND SMALLER CLASS 315 2" AND LARGER - 18" COVER IN PLANTING AREAS. 24" COVER UNDER PAVING. - SIZES INDICATED				LD-1.2
M14			PVC CLASS 200 WIRE SLEEVE - SIZES AND LOCATION BY CONTRACTOR.				LD-1.2
M15			PVC SCHEDULE 40 MAIN AND LATERAL LINE SLEEVE 2" DIA. OF PIPE.				LD-1.2
M16			INDICATES VALVE NUMBER				
M17			INDICATES CONTROLLER				
M18			INDICATES VALVE GPM				
M19			INDICATES VALVE SIZE				



**IRRIGATION NOTES**

DIAGRAMMATIC PLAN  
 THIS SYSTEM IS DIAGRAMMATIC. ALL PIPE, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS AND JOINT TRENCHES WHEREVER POSSIBLE.

**SPRINKLER ADJUSTMENT REQUIRED**  
 THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND PREVENT OVERTRAY ONTO WALKS AND ROADWAYS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST POSITION FOR EACH HEAD. THE CONTRACTOR SHALL VERIFY THE PRESSURE AT EACH HEAD. PRESSURE COMPENSATING SCREENS WHEN RADIUS IS REDUCED MORE THAN FIFTY PERCENT (50%).

INSTALL NECESSARY CHECK VALVE IN HEADS THAT EXHIBIT TENDENCIES FOR LOW HEAD DRAINAGE.

**FIELD CONDITIONS**  
 DO NOT FULLY INSTALL THE SPRINKLER SYSTEM AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES EXIST AND SHOULD BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR. IN THE EVENT THAT THIS NOTIFICATION IS NOT PROVIDED BY THE CONTRACTOR, HE MUST ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS REQUIRED.

**SWING JOINTS**  
 INSTALL ALL HEADS WITH DOUBLE OR TRIPLE SWING JOINTS, USING STREET ELTS. AS PER DETAIL.

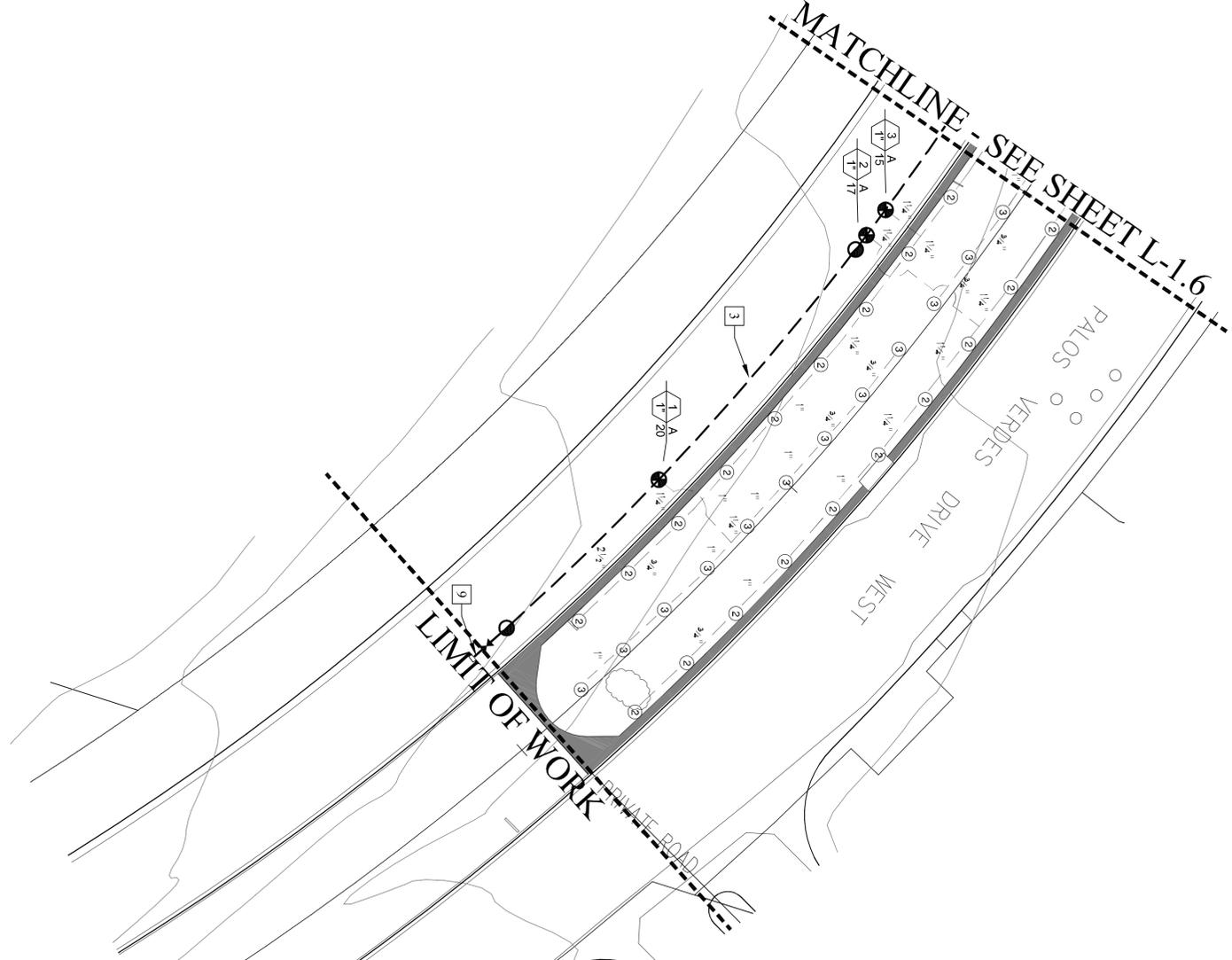
**MINIMUM PRESSURE AND MAXIMUM GALLONS REQUIRED**  
 THE SPRINKLER SYSTEM DESIGN IS BASED ON A MINIMUM OPERATIONAL PRESSURE AND A MAXIMUM DEMAND AT THE POINT OF CONNECTION, AS NOTED ON THE PLAN. BEFORE INSTALLING THE SYSTEM, CHECK POINT OF CONNECTION AND IMMEDIATELY NOTIFY CONTRACTING OFFICER IF PRESSURE IS NOT AS NOTED OR THE REQUIRED GALLONS PER MINUTE IS NOT AVAILABLE.

**WATER LINE UNDER PAVING**  
 ALL MAINLINE UNDER PAVING SHALL BE INSTALLED 24" DEEP. ALL LATERAL LINES UNDER PAVING SHALL BE SCH 40 PVC AND INSTALLED 24" DEEP.

**SYSTEM COVERAGE**  
 THE IRRIGATION CONTRACTOR IS TO ADJUST HEAD LOCATIONS IN THE FIELD IN ORDER TO ACHIEVE THE SYSTEM COVERAGE WITHIN THE CONTRACTING OFFICER PRIOR TO ANY MAJOR CHANGE(S) RESULTING IN AN ADDITIONAL COST TO THE OWNER.

**KEYNOTES:**

- EXISTING VALVES WITH BATTERY OPERATED CONTROLLER. THE CONTRACTOR WILL NEED TO FIELD VERIFY THE OPERATION OF CURRENTLY CONNECTED VALVES. THESE VALVES TO THE B.P.C.C. BATTERY CONTROLLER WILL BE RETURNED TO THE CITY MAINTENANCE AND THE VALVES WILL BE CONNECTED TO THE B.P. CONTROLLER.
- EXISTING PLANTING AREA TO RECEIVE NEW IRRIGATION. ALL HEADS AND LATERAL LINES ON THIS VALVE TO BE INSTALLED BELOW GRADE. USE TORO 570Z-1PP-COM-PRX-POP-UP BODIES. REPAIR OR REPLACE THE EXISTING LANDSCAPE AS NEEDED.
- INSTALL MAINLINE AT TOE OF SLOPE - 1/2" FROM BACK OF CURB. SEE BELOW GRADE DETAILS.
- EXISTING PLANTING TO REMAIN. PROTECT IN PLACE.
- EXISTING IRRIGATION TO REMAIN. PROTECT IN PLACE.
- EXISTING LATERAL LINE CROSSING. VERIFY LOCATIONS IN FIELD PRIOR TO CONSTRUCTION.
- IRRIGATION CROSSING REQUIRED FOR IRRIGATION AND CONTROL WIRES. SAW CUT AND REPAIRS TO AC PAVING PER CITY STANDARDS.
- EXISTING MAINLINE AND WIRE SLEEVES. VERIFY LOCATIONS IN THE FIELD.
- PROVIDE A GATE VALVE AND CAP MAINLINE FOR FUTURE. CONTRACTOR TO PULL (1) COMMON WIRE AND ALL REMAINING CONTROL WIRES TO THIS LOCATION. LOCATE LABELED WIRES IN A VALVE BOX WITH A 36" LOOP TO WIRES.



**SHEET INDEX**

Planting Legend See Sheets LP-1.1 & LP-1.7  
 Planting Notes See Sheet LP-1.7  
 Planting Plans See Sheets LP-1.1 thru LP-1.7  
 Irrigation Plans See Sheets LI-1.1 thru LI-1.7  
 Irrigation Notes & Legend See Sheets LI-1.1 thru LI-1.7  
 Planting & Construction Details See Sheet - LD-1.1  
 Irrigation Details & ABI1881 Calc's See Sheets LD-1.2 thru LD-1.5

PROJECT ADDRESS

**PALOS VERDES  
DRIVE WEST  
MEDIAN  
BEAUTIFICATION**

Palos Verdes Drive West  
Rancho Palos Verdes, CA 90275

PROPERTY OWNER

**City of Rancho Palos  
Verdes - Public  
Works Department**

30940 Hawthorne Blvd.  
Rancho Palos Verdes, CA 90275  
Project Contact : Ms. Nicole Jules  
Phone Number : (310) 544-5275

LANDSCAPE ARCHITECT



JON DAVID CICCCHETTI  
2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
562.989.1880

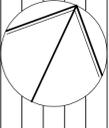


REVISIONS / SUBMITTALS  
02/28/12 - 95% SUBMITTAL #1  
02/29/12 - 95% SUBMITTAL #2  
03/16/12 - 95% SUBMITTAL #3

SHEET TITLE

**PLANTING  
AND  
CONSTRUCTION  
DETAILS**

NORTH



SCALE N.T.S.

JOB NO. 11-30

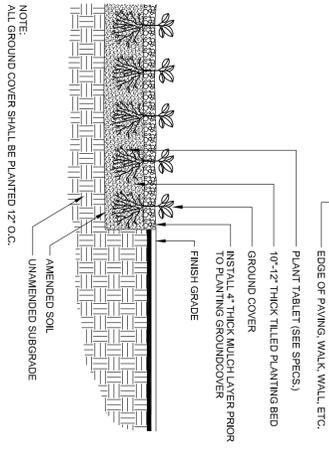
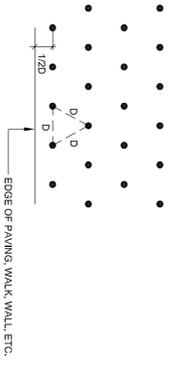
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SHEET NO.

**LD-1.1**

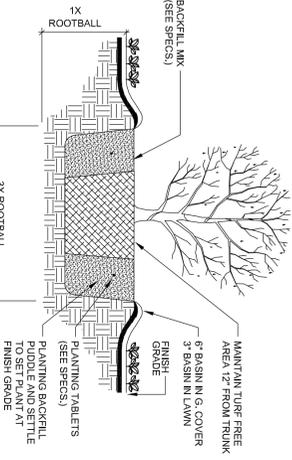
17 OF 21 SHEETS

NOTE: LOCATE PLANTS SPACED EQUIDISTANT (D) FROM EACH OTHER AS SHOWN. D = AS SHOWN ON PLANTING PLAN.



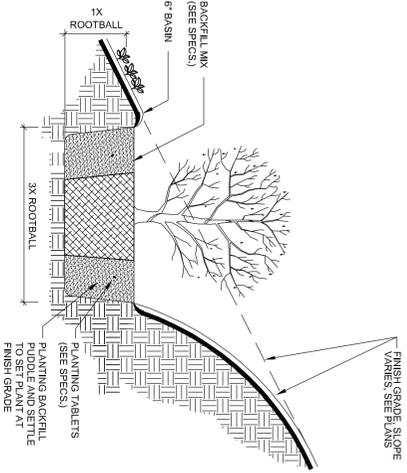
4 GROUND COVER PLANTING

NOTE: ALL PLANT BASINS SHALL RECEIVE A 2\"/>

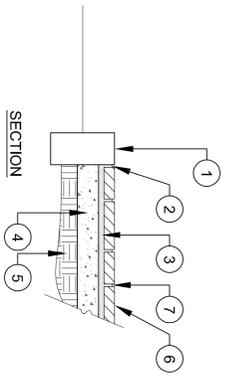


5 SHRUB PLANTING

NOTE: ALL PLANT BASINS SHALL RECEIVE A 2\"/>



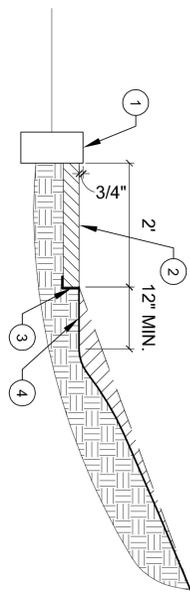
6 SHRUB PLANTING ON SLOPE



LEGEND  
1 EXISTING CURB - PROTECT IN PLACE.  
2 EXPANSION JOINT.  
3 1\"/>

- 4 4\"/>
- 5 SUBBASE COMPACTED TO 95%.
- 6 STONE PAVING TO MATCH ADJACENT MEDIAN.
- 7 JOINT WIDTH TO MATCH EXISTING PAVING (+/- 1\"/>

2 DECOMPOSED GRANITE PAVING

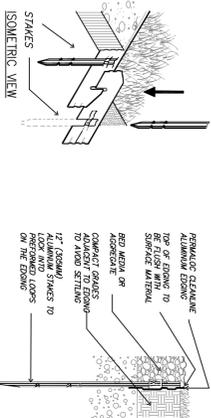


LEGEND  
1 EXISTING CURB - PROTECT IN PLACE.  
2 3\"/>

- 3 LANDSCAPE EDGE (BY PERMALOC) SEE DETAIL 3. THIS SHEET.
- 4 FLAT ZONE AT TOE OF SLOPE. FINE GRADE BASE OF SLOPE AS NEEDED.

2 DECOMPOSED GRANITE PAVING

3 LANDSCAPE EDGING

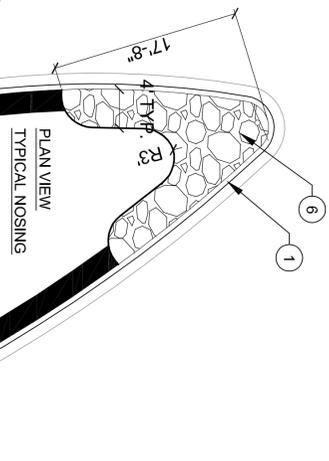


NOTES:

- 1. INSTALL PER MANUFACTURER'S
- 2. INSTALLATION SHEET.
- 3. ALUMINUM STAKES INCLUDING TO INCLUDE (5) 1/2\"/>
- 4. ALUMINUM STAKES INCLUDING TO INCLUDE (5) 1/2\"/>
- 5. FROM A CONTIGUOUS CORNER
- 6. PERMALOC CORPORATION, HOLLAND (800) 356-8668 (616) 399-9800
- 7. CONTRACTOR'S NOTE: PERMALOC CORPORATION, HOLLAND (800) 356-8668 (616) 399-9800

3 LANDSCAPE EDGING

1 STONE PAVING





Landscape Architects  
Planners

JON DAVID CICCCHETTI  
2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
562.989.1890



**REVISIONS / SUBMITTALS**

- 02/28/12 - 95% SUBMITTAL #1
- 02/29/12 - 95% SUBMITTAL #2
- 03/06/12 - 95% SUBMITTAL #3

DATE: 02/15/12

SHEET TITLE

**IRRIGATION  
DETAILS**

NORTH



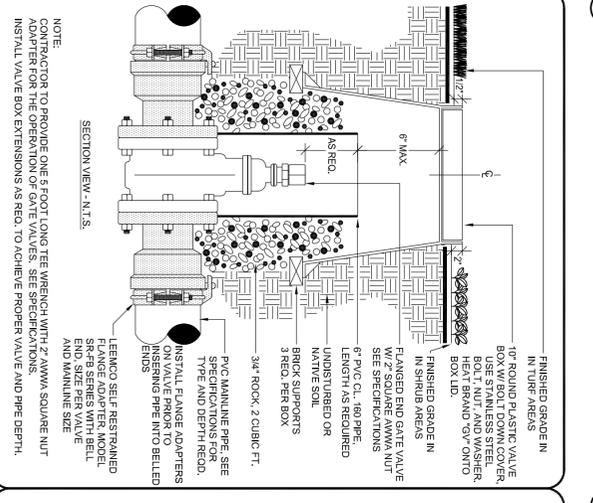
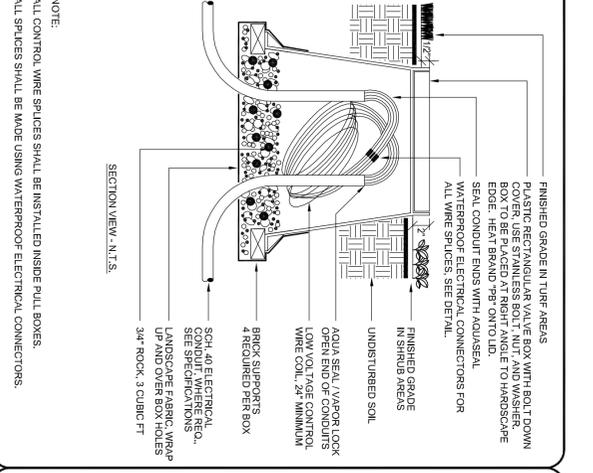
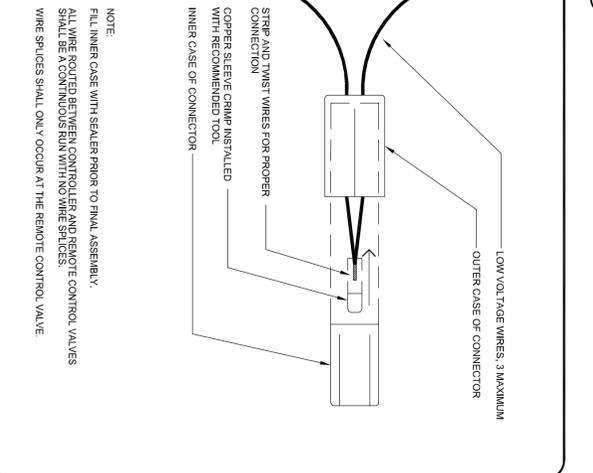
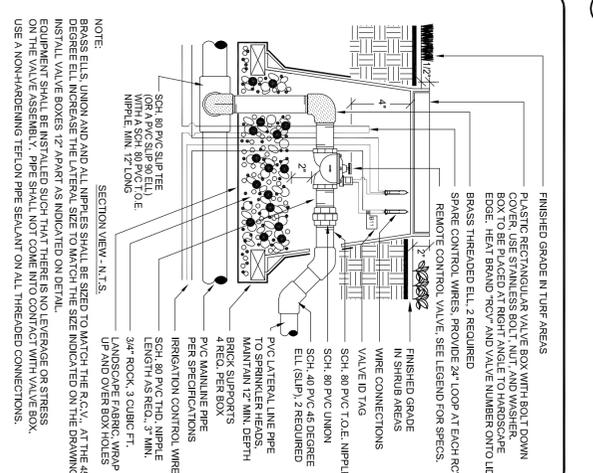
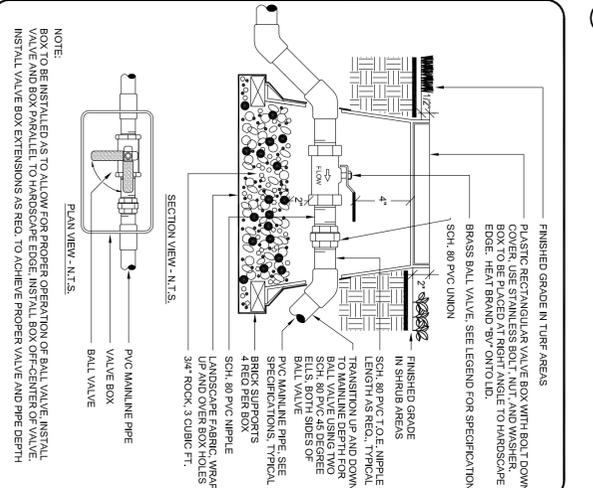
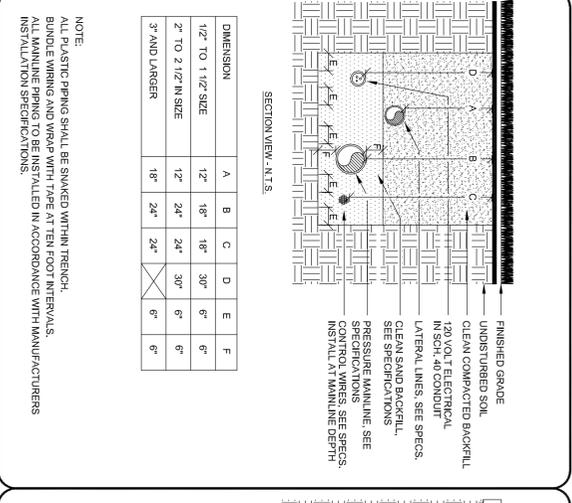
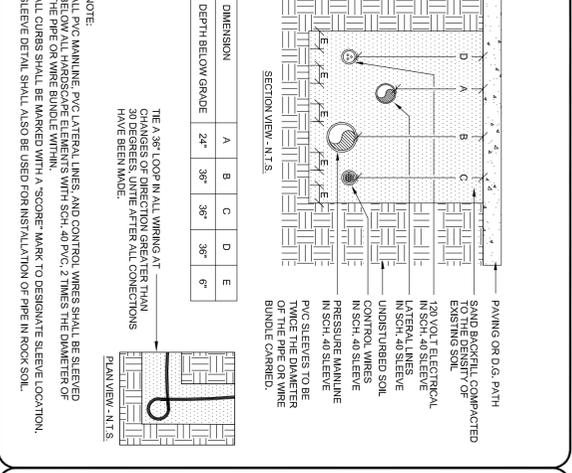
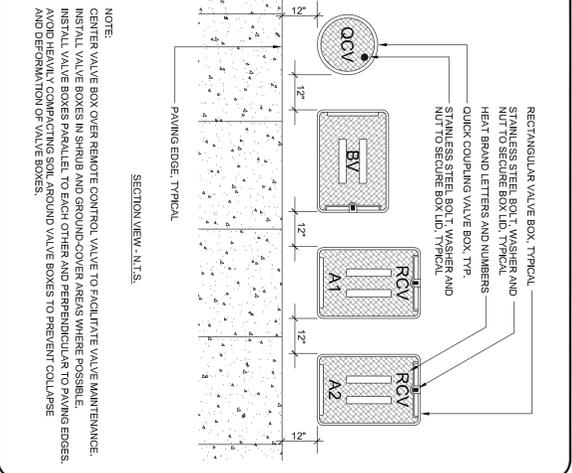
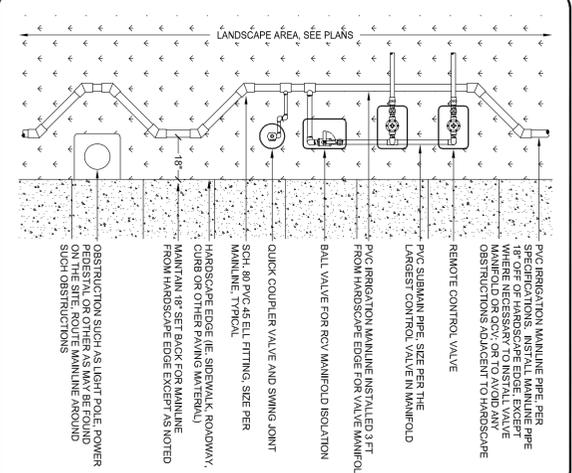
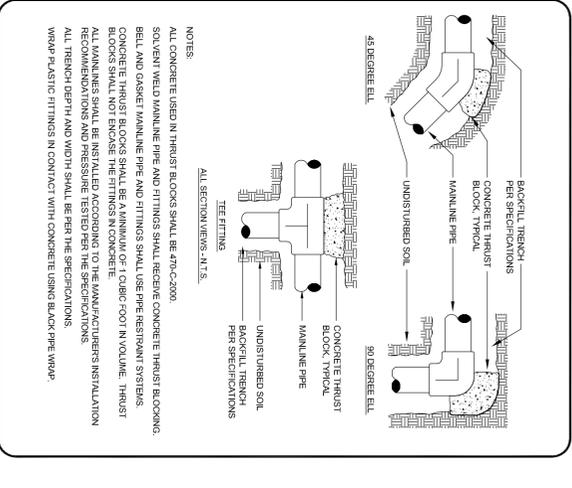
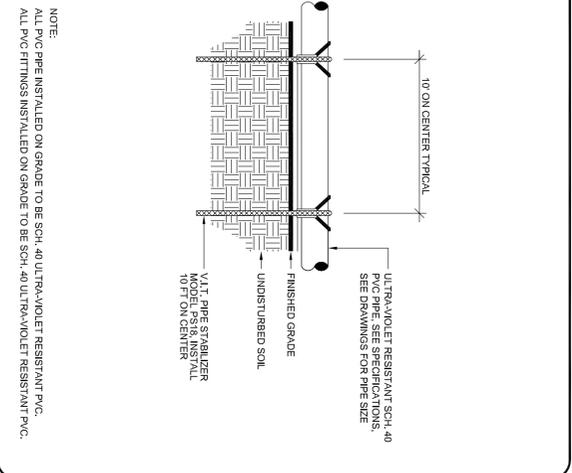
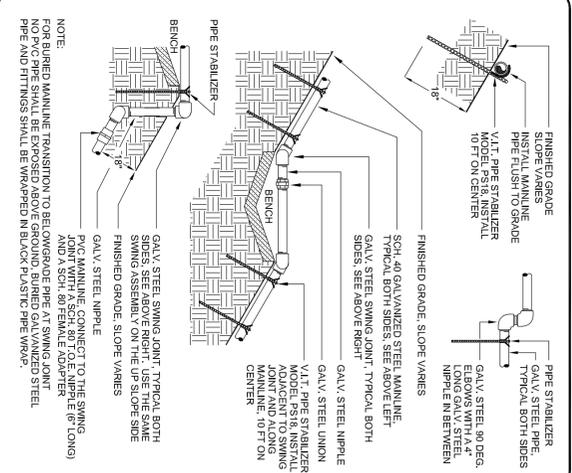
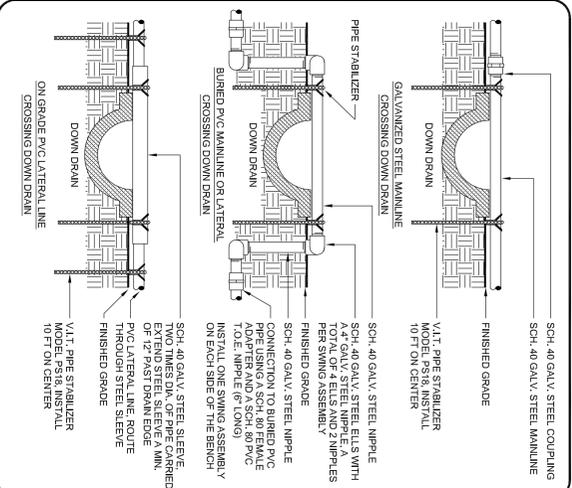
SCALE N.T.S.

JOB NO. 1-30

DATE 02/15/12

SHEET NO.

**LD-1.2**





**PALOS VERDES  
DRIVE WEST  
MEDIAN  
BEAUTIFICATION**

Rancho Palos Verdes Drive West  
Palos Palos Verdes, CA 90275

PROPERTY OWNER

**City of Rancho Palos  
Verdes - Public  
Works Department**

30940 Hawthorne Blvd.  
Rancho Palos Verdes, CA 90275  
Project Contact : Ms. Nicole Jules  
Phone Number : (310) 544-5275

LANDSCAPE ARCHITECT



**JON DAVID CICCCHETTI**  
2760 E. SPRING ST., SUITE 110  
LONG BEACH, CA 90806  
652.989.1890

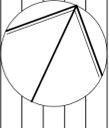


**REVISIONS / SUBMITTALS**  
02/28/12 - 95% SUBMITTAL #1  
02/29/12 - 95% SUBMITTAL #2  
03/16/12 - 95% SUBMITTAL #3

SHEET TITLE

**IRRIGATION  
DETAILS**

NORTH



SCALE N.T.S.

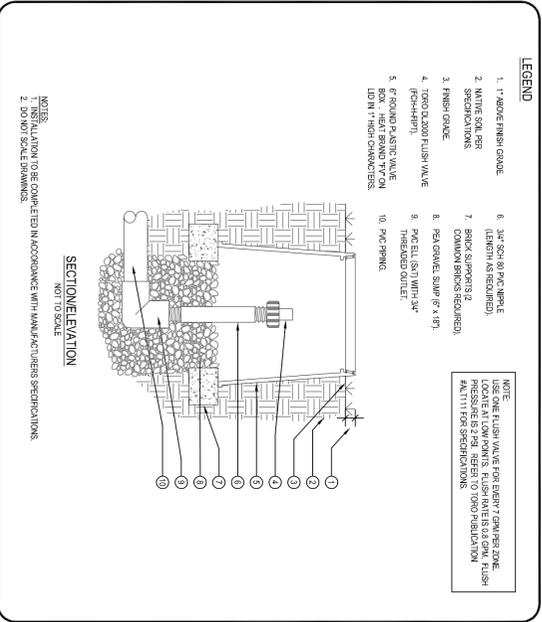
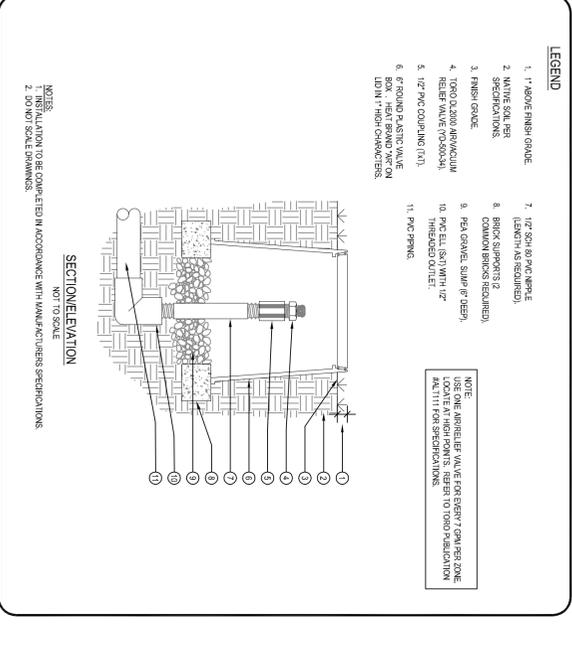
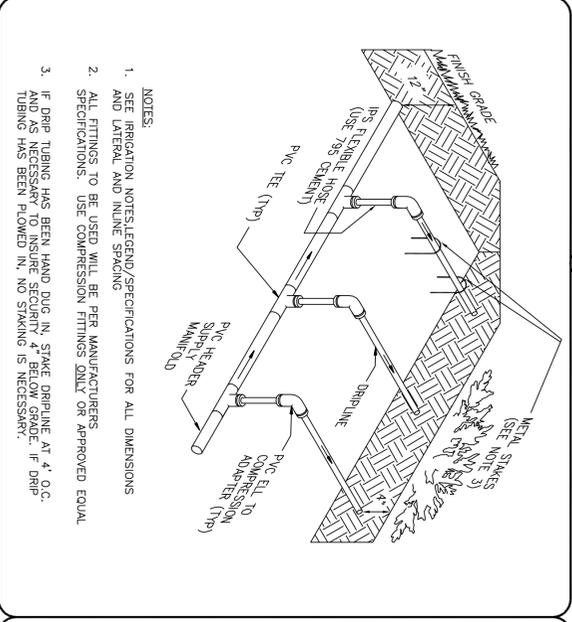
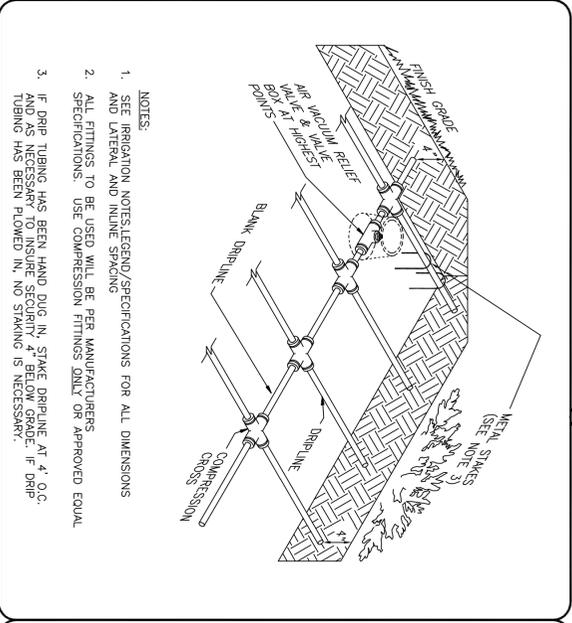
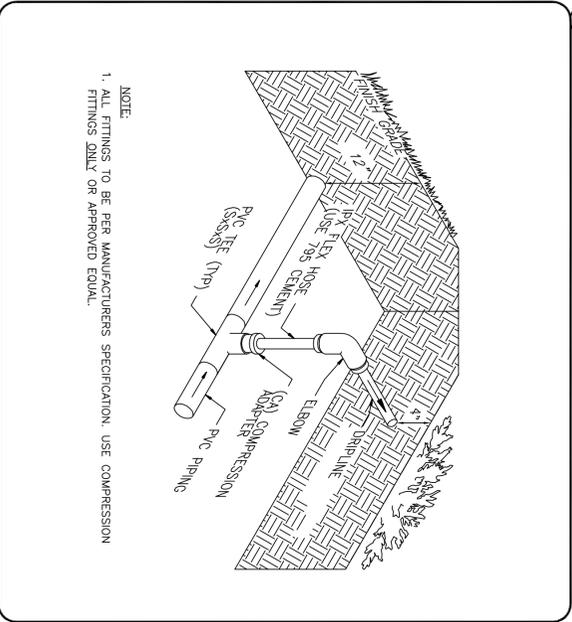
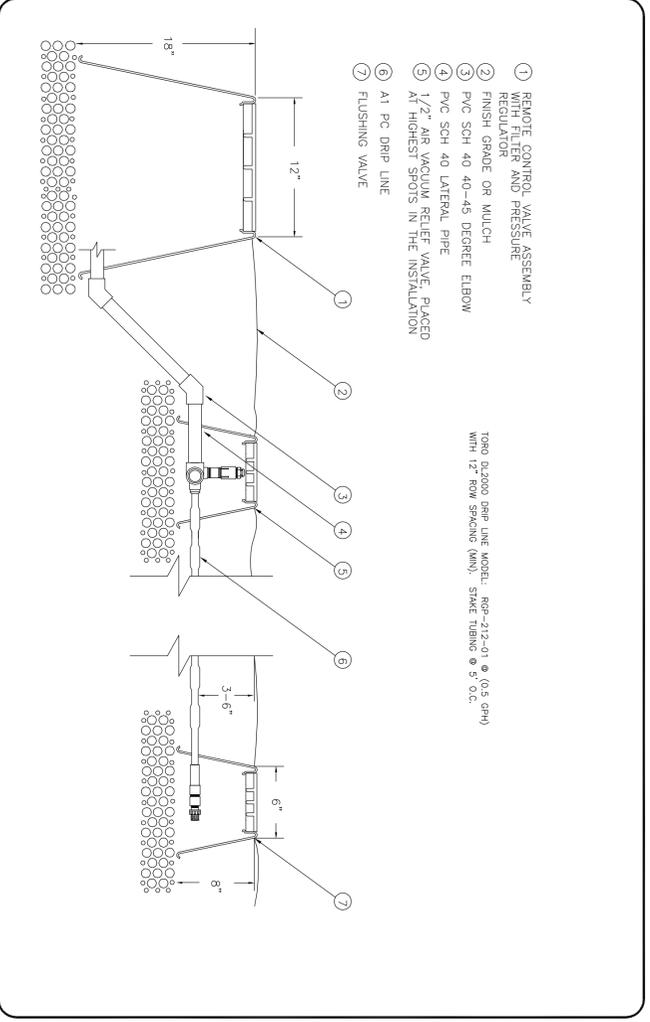
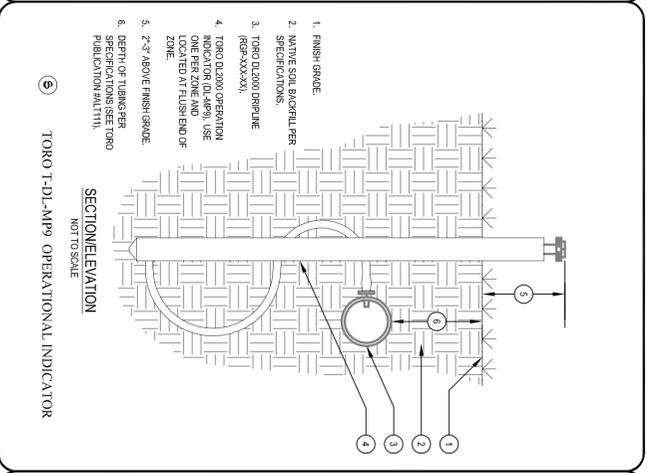
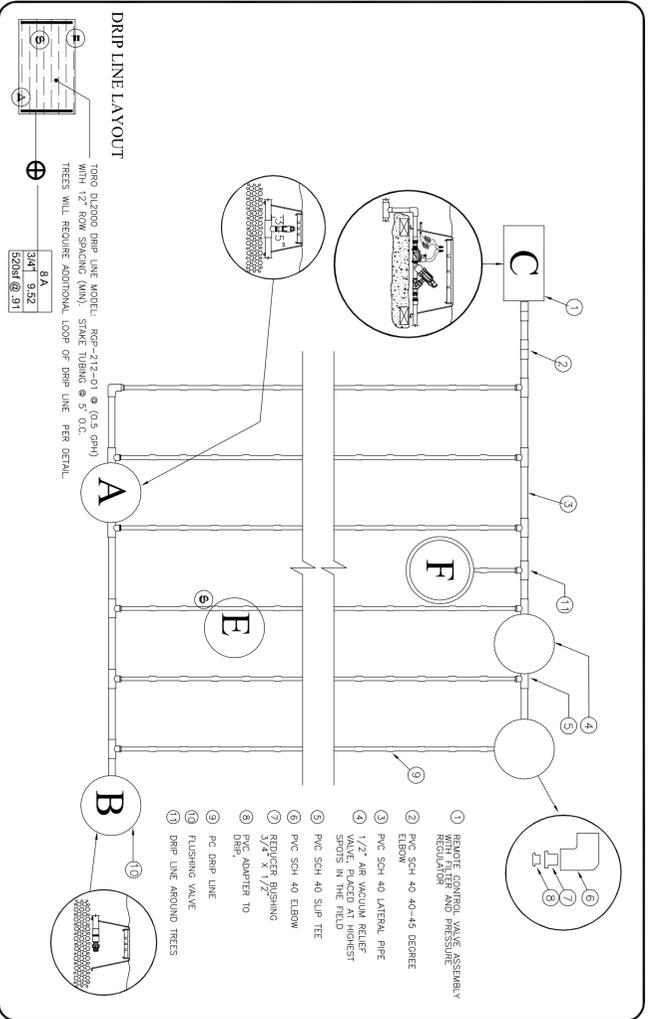
JOB NO. 1-30

DATE 02/15/12

SHEET NO.

**LD-1.4**

20 OF 21 SHEETS



CONTROLLER 'B' RUN TIME SCHEDULE

SEASONAL IRRIGATION SCHEDULE:										WINTER (Dec., Jan. and Feb.)										SPRING (Mar., April and May)																			
Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B				
Designer Name:					JDC MICHAEL MC MILLEN					Reclaimed / Possible:					B					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B				
Date Prepared:					2/29/2017					Plant Factors (% of ETo):					0.7 - 1.0					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B				
Evapotranspiration Rates:					High Water Use					0.75					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Historical:					42.70 m/yr.					0.7 - 1.0					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Seasonal:					0.60 in./wk.					0.4 - 0.8					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Number:					1.00					0.75					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Factor:					1.00					0.90					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Area:					14.0					13.7					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Volume:					1.00					0.90					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Days/Wk:					5					0.20					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Hrs./Day:					1.11					0.00					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									

SEASONAL IRRIGATION SCHEDULE:										SUMMER (Jun., Jul. and Aug.)										SEASONAL IRRIGATION SCHEDULE:										AUTUMN (Sep., Oct. and Nov.)									
Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B				
Designer Name:					JDC MICHAEL MC MILLEN					Reclaimed / Possible:					B					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B				
Date Prepared:					2/29/2017					Plant Factors (% of ETo):					0.7 - 1.0					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B				
Evapotranspiration Rates:					High Water Use					0.75					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Historical:					42.70 m/yr.					0.7 - 1.0					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Seasonal:					0.60 in./wk.					0.4 - 0.8					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Number:					1.00					0.75					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Factor:					1.00					0.90					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Area:					14.0					13.7					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Volume:					1.00					0.90					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Days/Wk:					5					0.20					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									
Hrs./Day:					1.11					0.00					Project Name:					Rancho Palos Verdes Dr.					Water meter Number:					B									

WATER USE SUMMARY

APPENDIX A Section B2. Estimated Total Water Use (ETWU)

The project's Estimated Total Water Use is calculated using the following formula:

$$ETWU = \text{Estimated Total Water Use per year (gallons per year)}$$

ETo = Reference Evapotranspiration (inches per year)

LA = Landscaped Area (square feet)

SA = Special Landscaped Area (square feet)

0.62 = Conversion Factor (to gallons per square foot)

IE = Irrigation Efficiency (minimum 0.71)

$$ETWU = \left( ETo \left( 0.62 \frac{P_{LA} + H_{SA}}{IE} \right) \right)$$

Hydrozone	Plant Factor	Area (sq ft)	ETw (gallons per year)
B-1	LW	0.30	1682
B-2	LW	0.30	1545
B-3	LW	0.30	1545
B-4	LW	0.30	1545
B-5	LW	0.30	1545
B-6	LW	0.30	1545
B-7	LW	0.30	1545
B-8	LW	0.30	1545
B-9	LW	0.30	1545
B-10	LW	0.30	1545
B-11	LW	0.30	1545
B-12	LW	0.30	1545
B-13	LW	0.30	1545
B-14	LW	0.30	1545
B-15	LW	0.30	1545
B-16	LW	0.30	1545
B-17	LW	0.30	1545
B-18	LW	0.30	1545
B-19	LW	0.30	1545
B-20	LW	0.30	1545
B-21	LW	0.30	1545
B-22	LW	0.30	1545
B-23	LW	0.30	1545
B-24	LW	0.30	1545
B-25	LW	0.30	1545
B-26	LW	0.30	1545
<b>SUM</b>			<b>19,254</b>

APPENDIX A SECTION A. HYDROZONE INFORMATION TABLE

Hydrozone	Zone or Water Method Code	Hydrozone Area (sq ft)	% of Total Landscape	"Irrigation Method"
B-1	D	1682	3%	NS = Micro-Spray
B-2	D	1545	3%	D = Drip
B-3	D	1545	3%	O = Other
B-4	R	1545	3%	
B-5	R	1545	3%	
B-6	R	1545	3%	
B-7	R	1545	3%	
B-8	R	1545	3%	
B-9	R	1545	3%	
B-10	R	1545	3%	
B-11	R	1545	3%	
B-12	R	1545	3%	
B-13	R	1545	3%	
B-14	R	1545	3%	
B-15	R	1545	3%	
B-16	R	1545	3%	
B-17	R	1545	3%	
B-18	R	1545	3%	
B-19	R	1545	3%	
B-20	R	1545	3%	
B-21	R	1545	3%	
B-22	R	1545	3%	
B-23	R	1545	3%	
B-24	R	1545	3%	
B-25	R	1545	3%	
B-26	R	1545	3%	
<b>TOTAL</b>		<b>64,179</b>	<b>100%</b>	

SECTION B Section B1. Maximum Applied Water Allowance (MAWA)

The project's Maximum Applied Water Allowance shall be calculated using this equation:

$$MAWA = (ETo) (0.62) (0.71 \times LA) + (0.3 \times SA)$$

ETo = Reference Evapotranspiration from Appendix A (inches per year)

0.7 = ET Adjustment Factor (EFA)

LA = Landscaped Area (square feet)

0.62 = Conversion Factor (to gallons per square foot)

SA = Special Landscaped Area (square feet)

0.3 = the additional ET Adjustment Factor for Special Landscaped Area (E = 0.7 = 0.3)

Maximum Applied Water Allowance = **1,189,352** gallons per year

SHOW VALUES:

Eto	42.70 in/yr
LA	64179 sq ft
SA	0 sq ft

SHOW CALC'S:

MAWA	=(ETo) (0.62) (0.71 x LA) + (0.3 x SA)	ET ADJ.	0.3
Bo	42.70	X	
FACTOR	0.7	X	64179
		+	0

SECTION B Section B2. Estimated Total Water Use (ETWU)

The project's Estimated Total Water Use is calculated using the following formula:

$$ETWU = \left( ETo \left( 0.62 \frac{P_{LA} + H_{SA}}{IE} \right) \right)$$

ETWU = Estimated total water use per year (gallons per year)

ETo = Reference Evapotranspiration (inches per year)

P = Plant Factors from WUCOLS (see Definitions)

LA = Landscaped Area (square feet)

SA = Special Landscaped Area (square feet)

0.62 = Conversion Factor (to gallons per square foot)

IE = Irrigation Efficiency (minimum 0.71)

Estimated Total Water Use = **717,919** gallons per year

SHOW CALC'S:

ETWU	=(ETo) (0.62) (Total of Column J from the Hydrozone Info Table)	IE	0.7
Bo	42.70	X	19254

WATER EFFICIENT LANDSCAPE WORKSHEET SUMMARY

Maximum Applied Water Allowance =	1,189,352	gallons/year
Estimated Total Water Use =	717,919	gallons/year

SPECIAL NOTE:

THE IRRIGATION RUN TIME SCHEDULE AND WATER EFFICIENT LANDSCAPE WORK SHEETS ARE TO DEFINE STATE LIMITATIONS ON WATER USE BASED ON AB1881. AB1881 IS IN CONJUNCTION WITH LOCAL CODES. THE RUN TIME SCHEDULE IS A GUIDELINE TO PROVIDE DIRECTION FOR THE PLANT ESTABLISHMENT PERIOD. ADDITIONAL Drip Emitters will be required as the plants grow to maturity. THIS WILL INCREASE THE WATER USE BUT WILL REMAIN BELOW THE MAWA GAINT. THIS SYSTEM OPERATES @ **60%** OF THE MAWA GAINT.

PROJECT ADDRESS

**PALOS VERDES DRIVE WEST MEDIAN BEAUTIFICATION**

Rancho Palos Verdes, CA 90275  
 Palos Verdes Drive West  
 Rancho Palos Verdes, CA 90275

PROPERTY OWNER  
**City of Rancho Palos Verdes - Public Works Department**

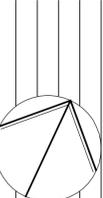
30940 Hawthorne Blvd.  
 Rancho Palos Verdes, CA 90275  
 Project Contact : Ms. Nicole Jules  
 Phone Number : (310) 544-5275

**JDC**  
 Landscape Architects  
 Planners



JON DAVID CICHETTI  
 2760 E. SPRING ST., SUITE 1110  
 LONG BEACH, CA 90806  
 562.989.1880

IRRIGATION AB1881 CALC'S



SHEET TITLE  
 SCALE N.T.S.  
 JOB NO. 1-30  
 DATE 02/15/12

SHEET NO.  
**LD-1.5**