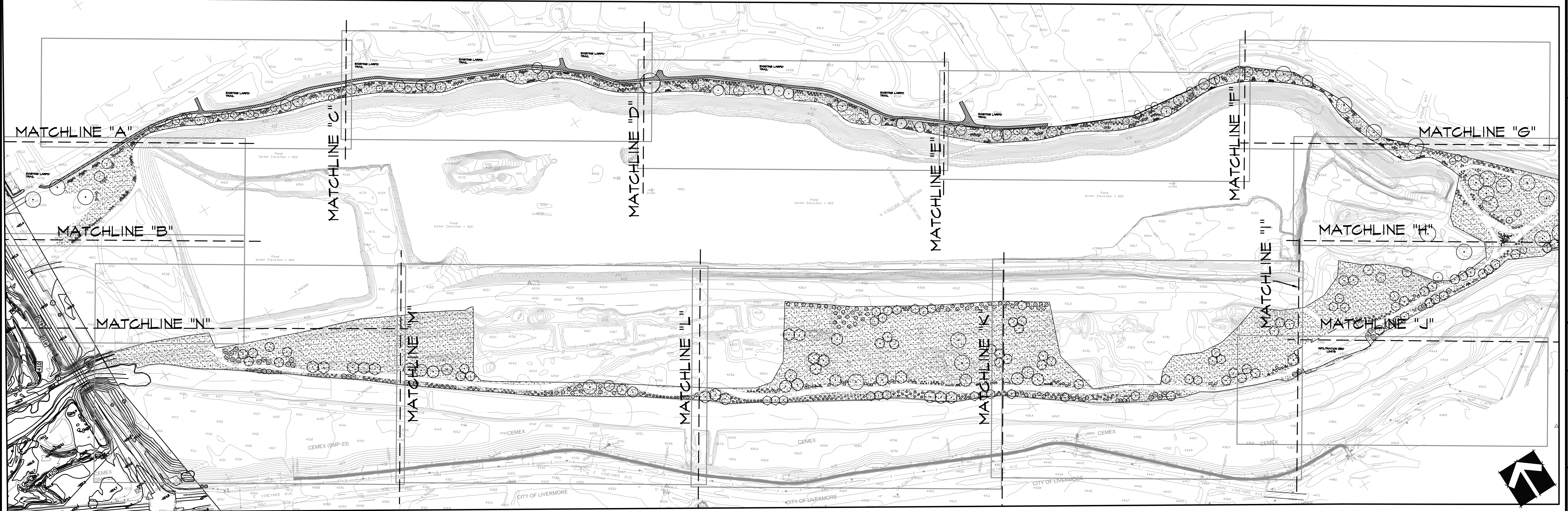


APPENDIX B-2
LAKE A LANDSCAPE PLAN

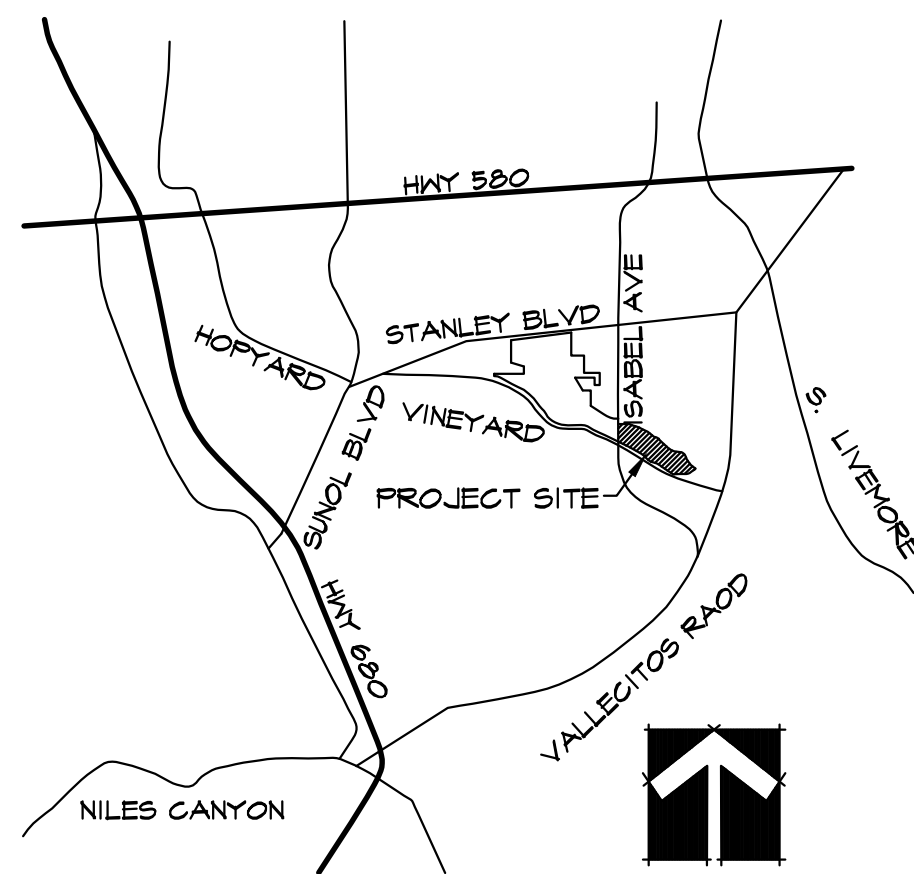
LAKE 'A'

LANDSCAPE PLANTING & RESTORATION PLANS

SITE MAP
SCALE: 1" = 200'



VICINITY MAP
SCALE: NOT TO SCALE



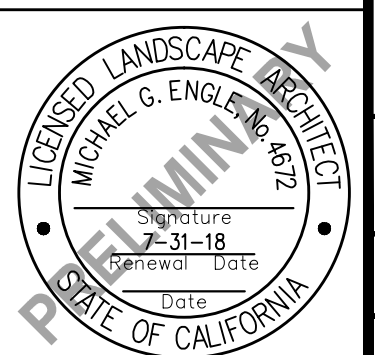
SHEET INDEX

SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
C1	COVER SHEET	IR12	IRRIGATION PLAN
LP1	GENERAL PROJECT NOTES	IR13	IRRIGATION PLAN
LP2	PLANTING PLAN	IR14	IRRIGATION PLAN
LP3	PLANTING PLAN	IR15	IRRIGATION PLAN
LP4	PLANTING PLAN	IR16	IRRIGATION PLAN
LP5	PLANTING PLAN	IR17	IRRIGATION PLAN
LP6	PLANTING PLAN	IR18	IRRIGATION PLAN
LP7	PLANTING PLAN	IR19	IRRIGATION PLAN
LP8	PLANTING PLAN	IR20	IRRIGATION PLAN
LP9	PLANTING PLAN	IR21	IRRIGATION DETAILS AND NOTES
LP10	PLANTING PLAN	PI22	PLANT PALETTE IMAGES
LP11	PLANTING DETAILS AND NOTES		

OWNER/DEVELOPER

CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC.
2365 IRON POINT ROAD, SUITE 120
FOLSOM, CA 95630

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CEMEX LAKE A
LANDSCAPE REVEGETATION
COVER SHEET

SHEET
C1
OF
23

DATE: 05/14/18

JOB NO: 1606

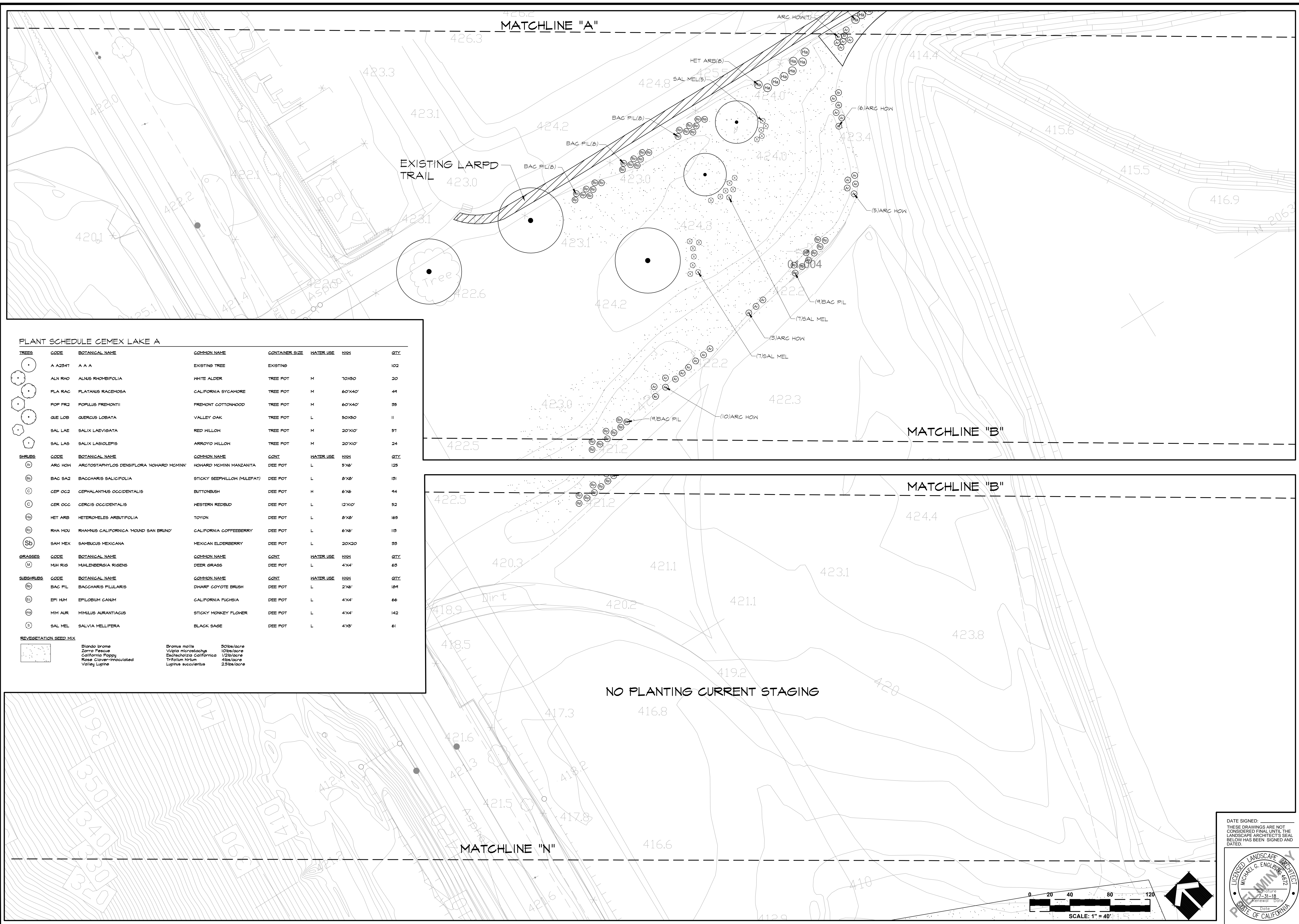
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Sacramento Office
2120 20th Street, Suite Three
Sacramento, CA 95818
(916) 455-2026

DATE OFFICE
2940 Spoford Street, Suite 200
Davis, CA 95618
(530) 758-2026

DESIGNED BY	BK
DRAWN BY	BK
CHECKED BY	MGE
SCALE	AS SHOWN

NO.	DATE	REVISIONS	BY	APPD.

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PLANT SCHEDULE CEMEX LAKE A

TREES	CODE	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	WATER USE	H5X1	QTY
	A A A		EXISTING TREE	EXISTING			102
	ALN RH0	ALNUS RHOMBIFOLIA	WHITE ALDER	TREE POT	M	70X90	20
	PLA RAC	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	TREE POT	M	60'X40'	44
	POP FR2	POPULUS FREMONTII	FREMONT COTTONWOOD	TREE POT	M	60'X40'	55
	QUE LOB	QUERCUS LOBATA	VALLEY OAK	TREE POT	L	50X50	11
	SAL LAE	SALIX LAEVIGATA	RED WILLOW	TREE POT	M	20'X10'	51
	SAL LAS	SALIX LASIOLEPIS	ARROYO WILLOW	TREE POT	M	20'X10'	24
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	H5X1	QTY
	ARC HOW	ARGEMONEA DENSIFLORA 'HOWARD MCMINI'	HOWARD MCMINI MANZANITA	DEE POT	L	5'X6'	125
	BAC SA2	BACCHARIS SALICIFOLIA	STICKY SEEPHILLOW (MULEFAT)	DEE POT	L	8'X8'	151
	CEP OC2	CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	DEE POT	H	6'X6'	44
	CER OCC	CERCIS OCCIDENTALIS	WESTERN REDBUD	DEE POT	L	12'X10'	52
	HET ARB	HETEROMELES ARBUTIFOLIA	TOYON	DEE POT	L	8'X8'	165
	RHA MOU	RHAMNUS CALIFORNICA 'MOUND SAN BRUNO'	CALIFORNIA COFFEEBERRY	DEE POT	L	6'X6'	115
	SAM MEX	SAMBUCUS MEXICANA	MEXICAN ELDERBERRY	DEE POT	L	20'X20'	55
GRASSES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	H5X1	QTY
	MH RIG	MULLENBERGIA RIGENS	DEER GRASS	DEE POT	L	4'X4'	65
SUBSHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	H5X1	QTY
	BAC PIL	BACCHARIS PILLULARIS	DWARF COYOTE BRUSH	DEE POT	L	2'X6'	104
	EPI HUM	EPILOBIUM CALIUM	CALIFORNIA FUCHSIA	DEE POT	L	4'X4'	66
	MIM AUR	MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	DEE POT	L	4'X4'	142
	SAL MEL	SALVIA MELLIFERA	BLACK BASIL	DEE POT	L	4'X5'	61

REVEGETATION SEED MIX

Blonde bromes	Bromus mollis	50lbs/acre
Zorro fescue	Vilpita microstachya	10lbs/acre
California Poppy	Eschscholzia Californica	1/2lb/acre
Rose Greentriaculoides	Trifolium holosericeum	4lbs/acre
Valley Lupine	Lupinus succulentus	2.5lbs/acre

DESIGNED BY	BK
DRAWN BY	BK
CHECKED BY	MGE
SCALE	AS SHOWN

NO.	DATE	REVISIONS	BY	APPD.

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CEMEX LAKE A
LANDSCAPE PLANTING PLAN

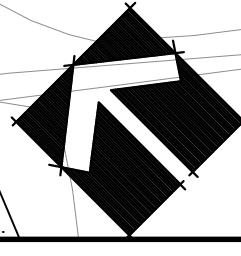
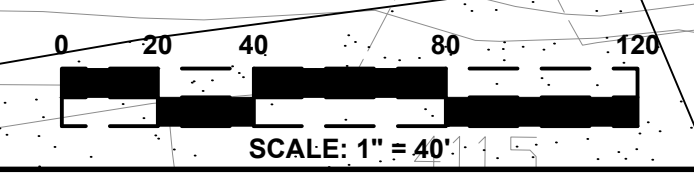
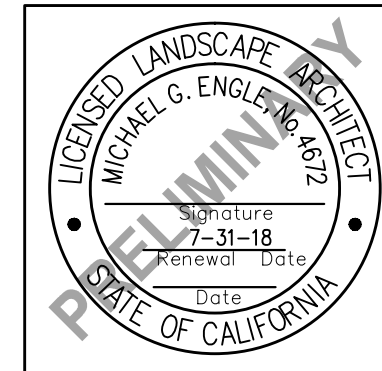
ALAMEDA COUNTY CALIFORNIA

SHEET
LP2
OF
23

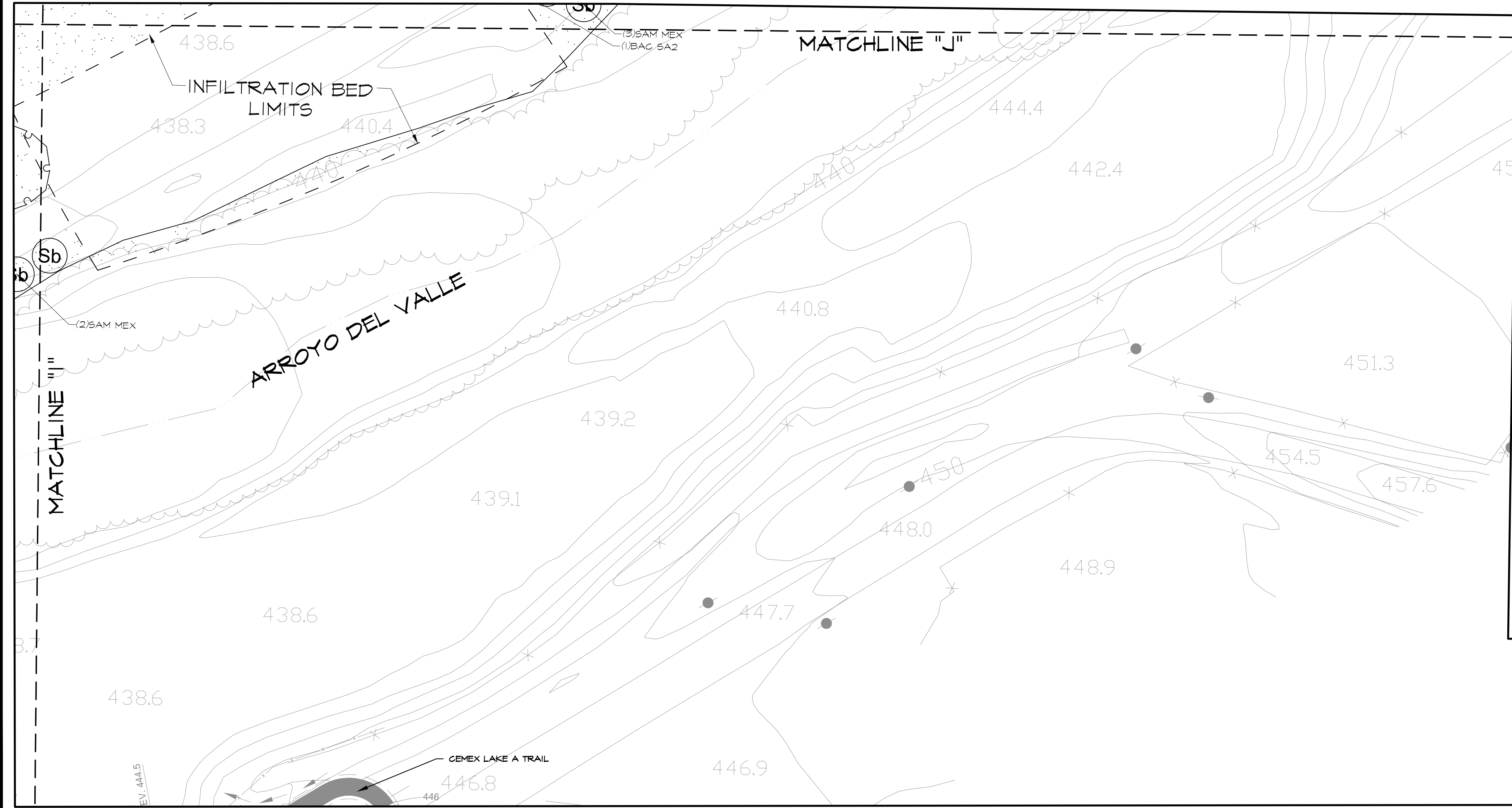
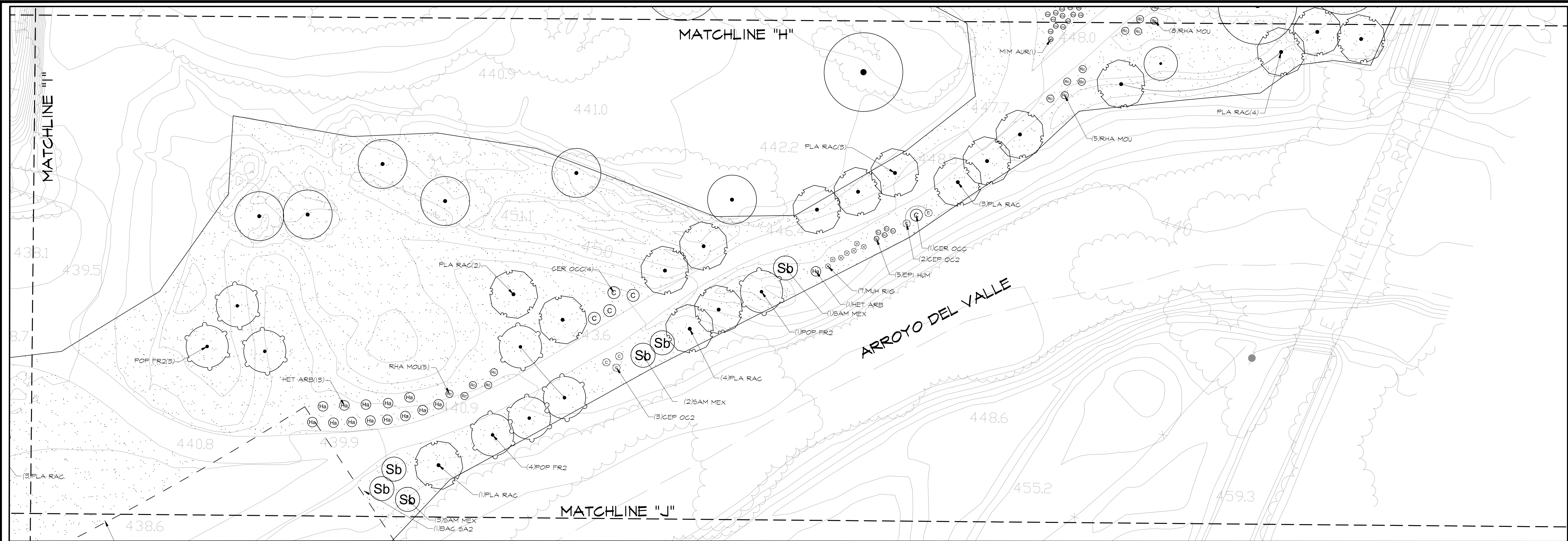
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PLANT SCHEDULE CEMEX LAKE A

TREES	CODE	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	WATER USE	HXX	QTY
(A)	A A2347	A A A	EXISTING TREE	EXISTING			102
(ALN)	ALN RH	ALNUS RHOMBIFOLIA	WHITE ALDER	TREE POT	M	10'X50'	20
(PLA)	PLA RAC	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	TREE POT	M	60'X40'	44
(POP)	POP FR2	POPULUS FREMONTII	FREMONT COTTONWOOD	TREE POT	M	60'X40'	55
(QUE)	QUE LOB	QUERCUS LOBATA	VALLEY OAK	TREE POT	L	50'X50'	11
(SAL)	SAL LAE	SALIX LAEVIGATA	RED WILLOW	TREE POT	M	20'X10'	57
(SAL)	SAL LAS	SALIX LASIOLEPIS	ARROYO WILLOW	TREE POT	M	20'X10'	24
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	HXX	QTY
(ARC)	ARC HON	ARGEMONE POLYDORA HOWARD MCMINN	HOWARD MCMINN MANZANITA	DEE POT	L	5'X6'	125
(BAG)	BAG SA2	BAGGHARIS SALICIFOLIA	STICKY SEEPHILLOW (MALEFAT)	DEE POT	L	8'X8'	151
(CEP)	CEP OC2	CEPHALANTHUS OCCIDENTALIS	BUTTERFLY BUSH	DEE POT	H	6'X6'	44
(GER)	GER OCC	CERCIS OCCIDENTALIS	WESTERN REDBUD	DEE POT	L	12'X10'	52
(HET)	HET ARB	HETEROMELES ARBUTIFOLIA	TOYON	DEE POT	L	8'X8'	165
(RHA)	RHA MOU	RHAMNUS CALIFORNICA MOUND SAN BRAND	CALIFORNIA COFFEEBERRY	DEE POT	L	6'X8'	115
(SAM)	SAM MEX	SAMEXUS MEXICANA	MEXICAN ELDERBERRY	DEE POT	L	20'X20'	55
GRASSES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	HXX	QTY
(M)	MH RIG	MILLENBERGIA RIGENS	DEER GRASS	DEE POT	L	4'X4'	65
SUBSHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	HXX	QTY
(BAG)	BAG PIL	BAGGHARIS PILLULARIS	DWARF COYOTE BRUSH	DEE POT	L	2'X6'	154
(EPI)	EPI HUM	EPILOBIUM CANM	CALIFORNIA FUCHSIA	DEE POT	L	4'X4'	66
(MIM)	MIM AUR	MIMULUS AURANTIAGUS	STICKY MONKEY FLOWER	DEE POT	L	4'X4'	142
(S)	SAL MEL	SALVIA MELLIFERA	BLACK SAGE	DEE POT	L	4'X8'	61

REVEGETATION SEED MIX

Blanda bromes	Bromus mollis	50lbs/acre
Zorro Fescue	Vulpia microstachya	10lbs/acre
California Poppy	Echscholzia Californica	12lbs/acre
Rose Clover-Inoculated	Trifolium hirtum	4lbs/acre
Valley Lupine	Lupinus succulentus	25lbs/acre

DATE SIGNED: THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE LANDSCAPE ARCHITECT'S SEAL BELOW HAS BEEN SIGNED AND DATED.

PRELIMINARY

LICENSED LANDSCAPE ARCHITECT
MICHAEL G. ENGLISH #6752

Signature: [Signature]
7-31-18
Professional Seal

0 20 40 80 120
SCALE: 1" = 40'

CEMEX LAKE A LANDSCAPE PLANTING PLAN

ALAMEDA COUNTY CALIFORNIA

SHEET **LP6** OF **23**

DATE: 05/14/18

JOB NO: 1606

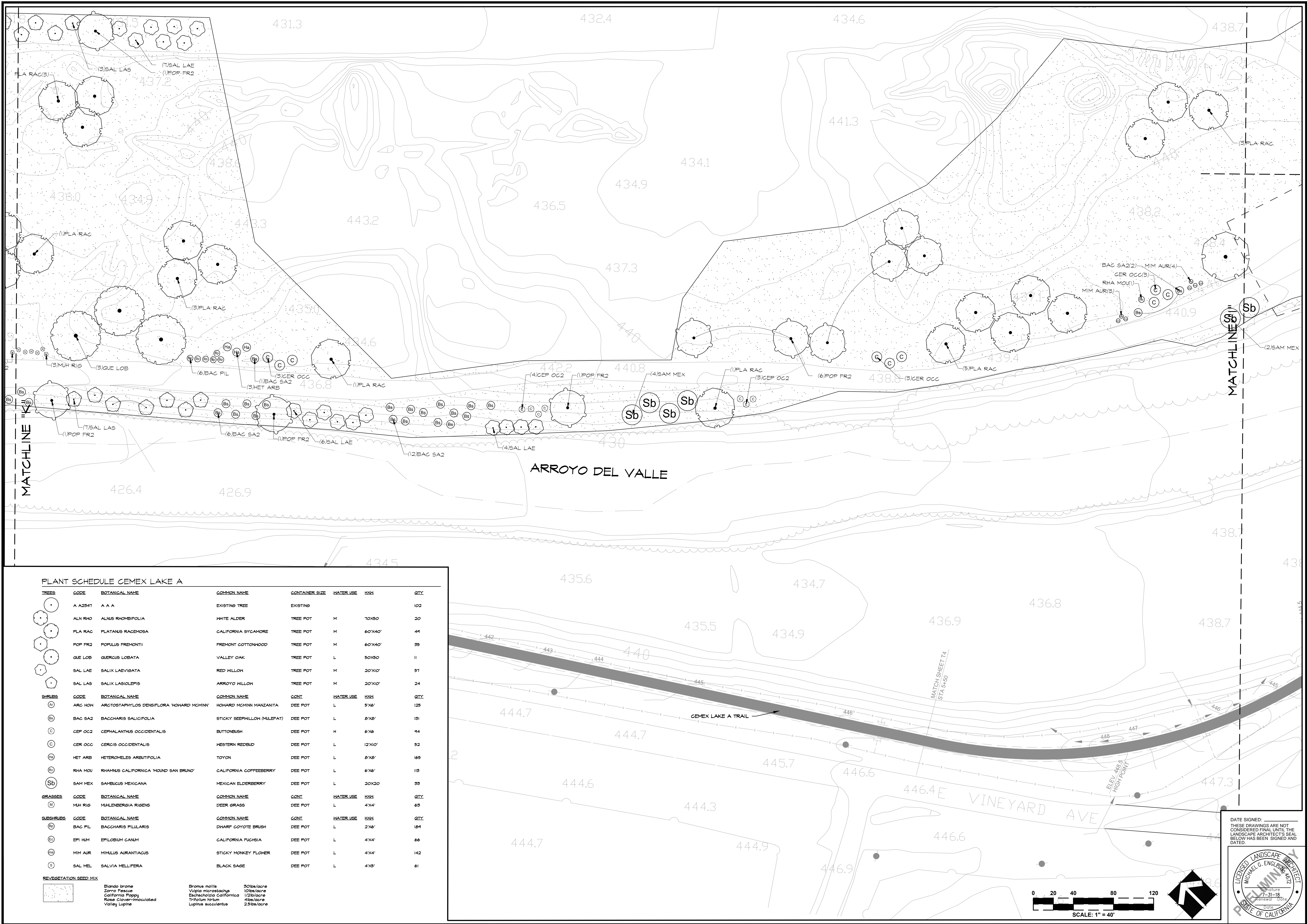
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CEMEX LAKE A LANDSCAPE PLANTING PLAN - LPA 5/14/2018 - 1:28PM. Printed by: Omed



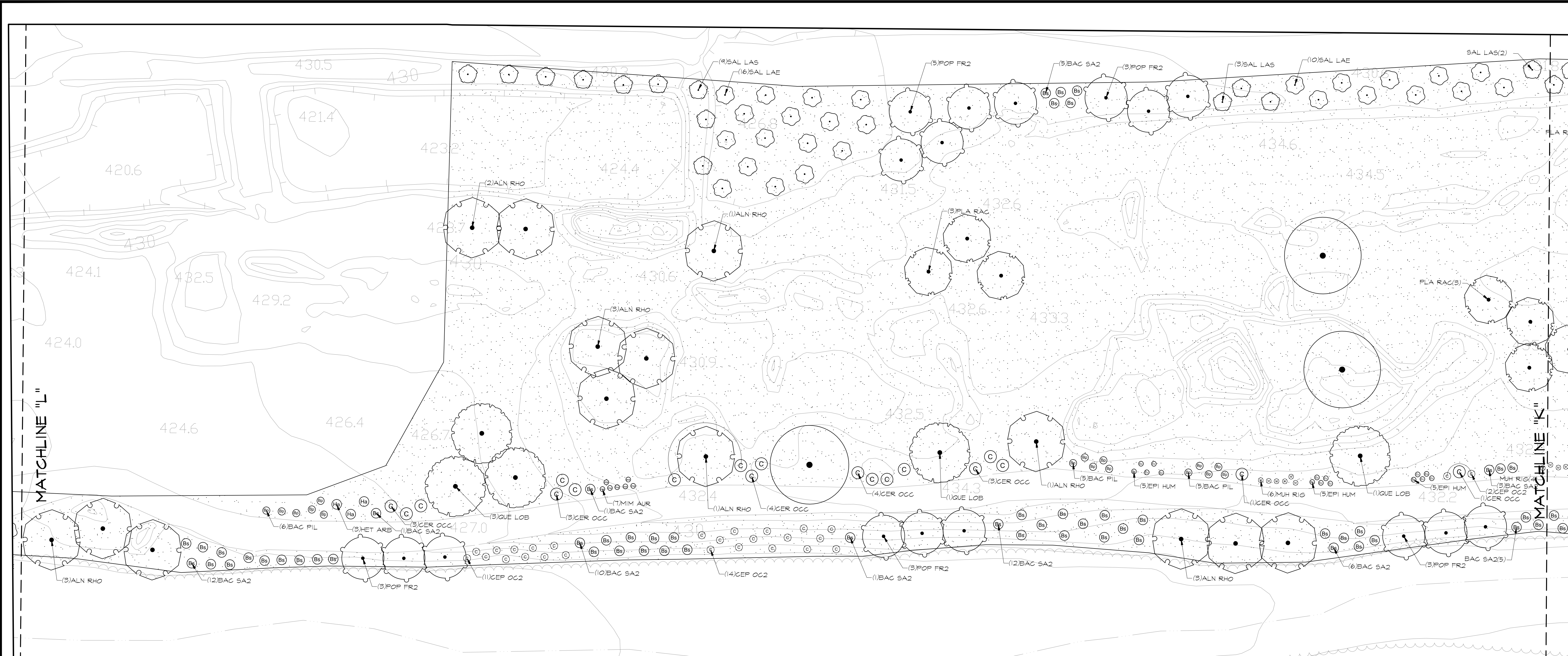
PLANT SCHEDULE CEMEX LAKE A

TREES	CODE	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	WATER USE	H001	QTY
	A A234T	A A A	EXISTING TREE				102
	ALN RHO	ALNUS RHOMBIFOLIA	WHITE ALDER	TREE POT	M	10x30	20
	PLA RAG	PLATANUS RAGENSIS	CALIFORNIA SYCAMORE	TREE POT	M	60x40	44
	POP FR2	POPULUS FREMONTII	FREMONT COTTONWOOD	TREE POT	M	60x40	35
	QUE LOB	QUERCUS LOBATA	VALLEY OAK	TREE POT	L	50x30	11
	SAL LAE	SALIX LAEVIGATA	RED WILLOW	TREE POT	M	20x10	51
	SAL LAS	SALIX LASIOLEPIS	ARROYO WILLOW	TREE POT	M	20x10	24
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	H001	QTY
	ARC HOV	ARCTOSTAPHYLOS DENSIFLORA 'HOWARD MCHINN'	HOWARD MCHINN MANZANITA	DEE POT	L	5x6	125
	BAC SA2	BACCHARIS SALICIFOLIA	STICKY BEEFILLLOW (MILEFAT)	DEE POT	L	8x9	151
	CEP OC2	CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	DEE POT	H	6x8	94
	CER OCC	CERIS OCCIDENTALIS	WESTERN REDBUD	DEE POT	L	12x10	52
	HET ARB	HETEROMELES ARBUTIFOLIA	TOYON	DEE POT	L	8x8	165
	RHA MOU	RHAMNUS CALIFORNICA 'MOUND SAN BRNO'	CALIFORNIA COFFEEBERRY	DEE POT	L	6x8	115
	SAM MEX	SAMBUCUS MEXICANA	MEXICAN ELDERBERRY	DEE POT	L	20x20	33
GRASSES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	H001	QTY
	MAH RIG	MALENERGIA RIGENS	DEER GRASS	DEE POT	L	4x4	65
SUBSHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	H001	QTY
	BAG PIL	BACCHARIS PILLULARIS	SHARP COYOTE BRUSH	DEE POT	L	2x6	184
	ERI HUM	ERIOLOBIUM CANUM	CALIFORNIA FUCHSIA	DEE POT	L	4x4	66
	MIM AUR	MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	DEE POT	L	4x4	142
	SAL MEL	SALVIA MELLIFERA	BLACK SAGE	DEE POT	L	4x5	61

SEED VEGETATION SEED MIX

Blanda bromo	Bromus mollis	50lbs/acre
Zorro Fescue	Vilpa microstachya	10lbs/acre
California Poppy	Eriochloa Californica	1/2lbs/acre
Rose Clover-trimulated	Triticum hirsutum	4lbs/acre
Valley Lupine	Lupinus succulentus	25lbs/acre

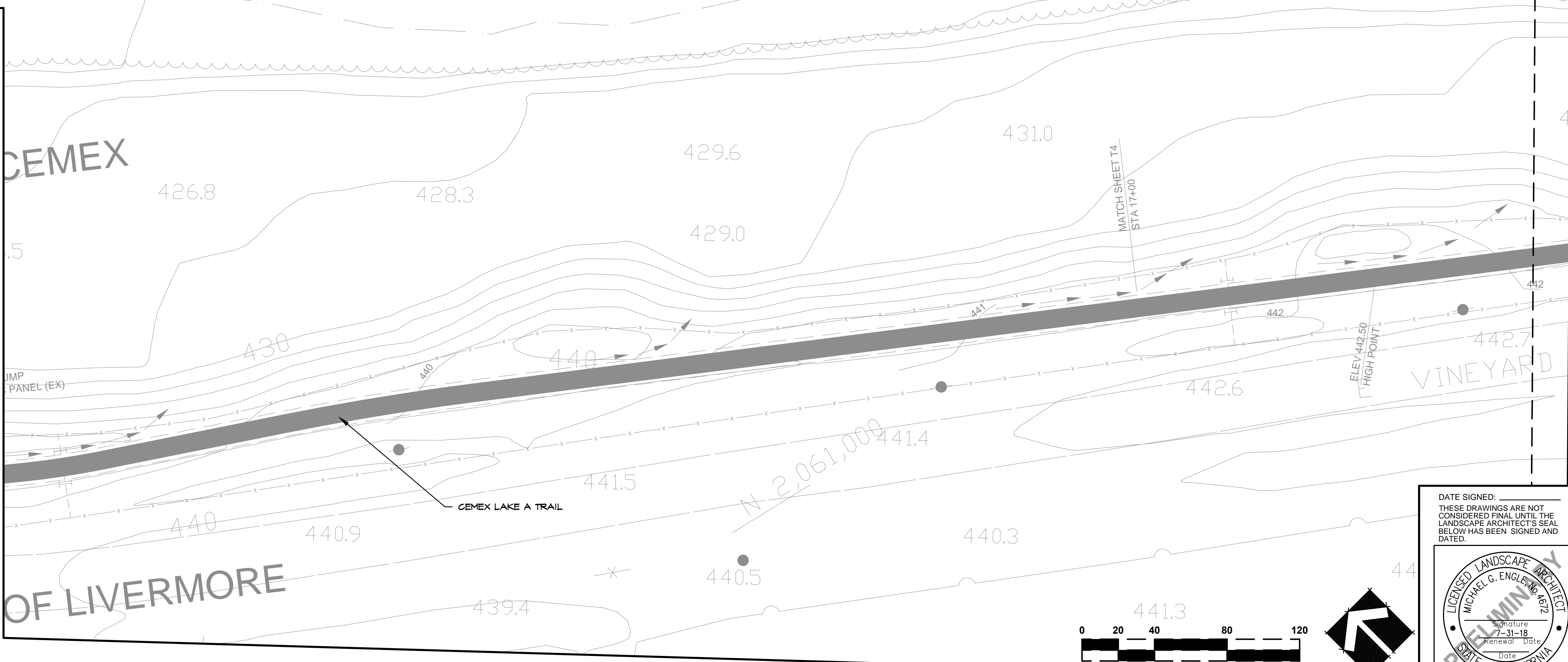
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CEMEX LAKE A LANDSCAPE PLANTING PLAN			
ALAMEDA COUNTY CALIFORNIA			
SHEET LP7 OF 23			
DATE: 05/14/18			
JOB NO: 1606			



PLANT SCHEDULE CEMEX LAKE A

TREES	CODE	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	WATER USE	HX1	QTY
	A A 4	A A A	EXISTING TREE	EXISTING			102
	ALN RHO	ALNUS RHOMBOIFOLIA	WHITE ALDER	TREE POT	M	10'x30'	20
	FLA RAC	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	TREE POT	M	60'x40'	41
	POP FR2	POPULUS FREMONTII	FREMONT COTTONWOOD	TREE POT	M	60'x40'	35
	QUE LOB	QUERCUS LOBATA	VALLEY OAK	TREE POT	L	50'x30'	11
	SAL LAE	SALIX LAEVISSATA	RED HILLON	TREE POT	M	20'x10'	57
	SAL LAS	SALIX LASIOLEPIS	ARROYO WILLOW	TREE POT	M	20'x10'	24
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	HX1	QTY
	ARG HOW	ARCTOSTAPHYLOS DENSIFLORA 'HOWARD MCMINN'	HOWARD MCMINN MANZANITA	DEE POT	L	5'x6'	125
	BAC SA2	BACCHARIS SALICIFOLIA	STICKY SHEEPWALLOW (MULEFAT)	DEE POT	L	8'x8'	151
	CEP OC2	CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	DEE POT	H	6'x6'	44
	CER OCC	CERCIS OCCIDENTALIS	WESTERN REDBUD	DEE POT	L	12'x10'	52
	HET ARB	HETEROMELES ARBUTIFOLIA	TOYON	DEE POT	L	8'x8'	165
	RHA MOU	RHAMNUS CALIFORNICA 'MOUND SAN BRUNO'	CALIFORNIA COFFEEBERRY	DEE POT	L	6'x6'	115
	SAM MEX	SAMBUCUS MEXICANA	MEXIGAN ELDERBERRY	DEE POT	L	20'x20'	33
GRASSES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	HX1	QTY
	MH RIG	MULLENBERGIA RIGENS	DEER GRASS	DEE POT	L	4'x4'	63
SUBSHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	HX1	QTY
	BAC PIL	BACCHARIS PILLULARIS	DWARF GOYOTE BRUSH	DEE POT	L	2'x6'	154
	EPI HUM	EPILOBIUM CANAM	CALIFORNIA FUCHSIA	DEE POT	L	4'x4'	66
	MIM AUR	MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	DEE POT	L	4'x4'	142
	SAL MEL	SALVIA MELLIFERA	BLACK SAGE	DEE POT	L	4'x8'	61

- REVEGETATION SEED MIX**
- Blanda brama
 - Zorro Fiasco
 - California Poppy
 - Rose Clover-Innoculated
 - Valley Lupine
 - Bromus mollis
 - Vigna microstachya
 - Echinochloa Californica
 - Tribolium hirtum
 - Lupinus succulentus
 - 50lbs/acre
 - 10lbs/acre
 - 1/2lb/acre
 - 1lb/acre
 - 2.5lbs/acre



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(916) 455-2026

**CEMEX LAKE A
LANDSCAPE PLANTING PLAN**

ALAMEDA COUNTY CALIFORNIA

SHEET
LP8
OF
23

DATE: 05/14/18

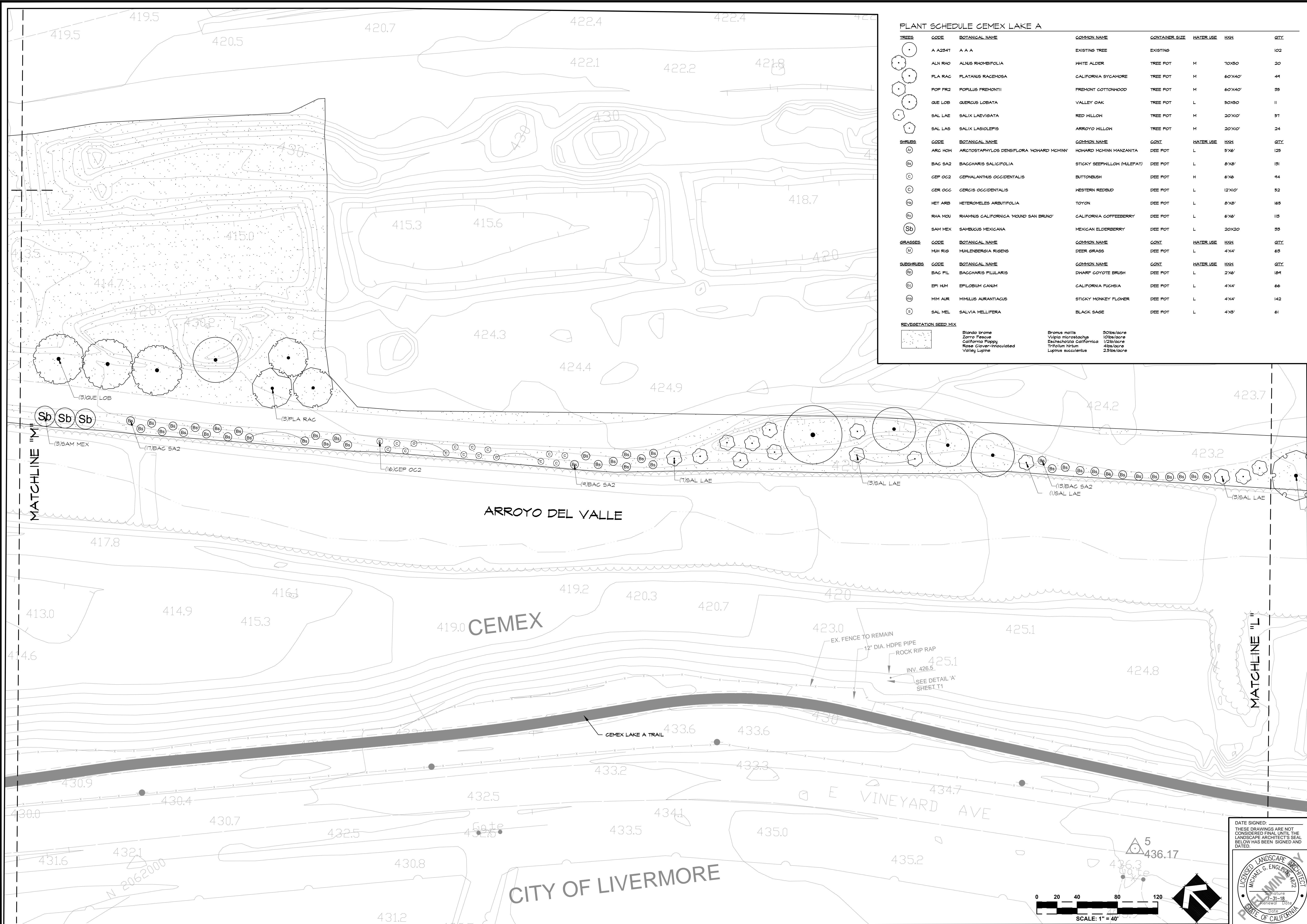
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PLANT SCHEDULE CEMEX LAKE A

TREES	CODE	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	WATER USE	HQX	QTY
	A A 247	A A A	EXISTING TREE	EXISTING			102
	ALN RH	ALNUS RHOMBIFOLIA	WHITE ALDER	TREE POT	M	70X50	20
	PLA RAC	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	TREE POT	M	60X40	41
	POP FR2	POPULUS FREMONTII	FREMONT COTTONWOOD	TREE POT	M	60X40	35
	QUE LOB	QUERCUS LOBATA	VALLEY OAK	TREE POT	L	50X50	11
	SAL LAE	SALIX LAEVIQATA	RED WILLOW	TREE POT	M	20X10	57
	SAL LAS	SALIX LASIOLEPIS	ARROYO WILLOW	TREE POT	M	20X10	24
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	HQX	QTY
	ARG HON	ARGENTOSTAPHYLOS DENSIFLORA HOWARD MCMINN	HOWARD MCMINN MANZANITA	DEE POT	L	5'X6'	125
	BAG SA2	BACCHARIS SALICIFOLIA	STICKY SEEPHILLOW (MULEFAT)	DEE POT	L	5'X6'	151
	CEP OC2	CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	DEE POT	H	6'X6'	44
	CER OGG	CERCIS OCCIDENTALIS	WESTERN REDBUD	DEE POT	L	12X10'	52
	HET ARB	HETEROMELES ARBUTIFOLIA	TOYON	DEE POT	L	5'X6'	165
	RHA MDU	RHAMNUS CALIFORNICA 'MOUND SAN BRUNO'	CALIFORNIA COFFEEBERRY	DEE POT	L	6'X6'	115
	SAM MEX	SAMBUCUS MEXICANA	MEXICAN ELDERBERRY	DEE POT	L	20X20	33
GRASSES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	HQX	QTY
	MH RIG	MAHLENBERGIA RIGENS	DEER GRASS	DEE POT	L	4'X4'	63
SUBSHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	HQX	QTY
	BAG PIL	BACCHARIS PILLULARIS	DWARF COYOTE BRUSH	DEE POT	L	2'X6'	164
	EPI HUM	EPILOBIUM CANUM	CALIFORNIA FUCHSIA	DEE POT	L	4'X4'	66
	MIM AUR	MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	DEE POT	L	4'X4'	142
	SAL MEL	SALVIA MELLIFERA	BLACK SAGE	DEE POT	L	4'X8'	61

SEED MIX

Blanda bromes	Bromus mollis	50lbs/acre
Zorro Fescue	Vilpita microstachya	12lbs/acre
California Poppy	Baccharis Californica	1/2lb/acre
Rose Clover-Innoculated	Trifolium hirtum	1lb/acre
Valley Lupine	Lupinus succulentus	2.5lbs/acre

DESIGNED BY	BK
DRAWN BY	BK
CHECKED BY	MGE
SCALE	AS SHOWN

NO.	DATE	REVISIONS

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 = Sacramento Office 2120 20th Street, Suite 300, Sacramento, CA 95818, (916) 455-2026

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CEMEX LAKE A LANDSCAPE PLANTING PLAN

ALAMEDA COUNTY CALIFORNIA

DATE SIGNED: THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE LANDSCAPE ARCHITECT'S SEAL BELOW HAS BEEN SIGNED AND DATED.

PRELIMINARY

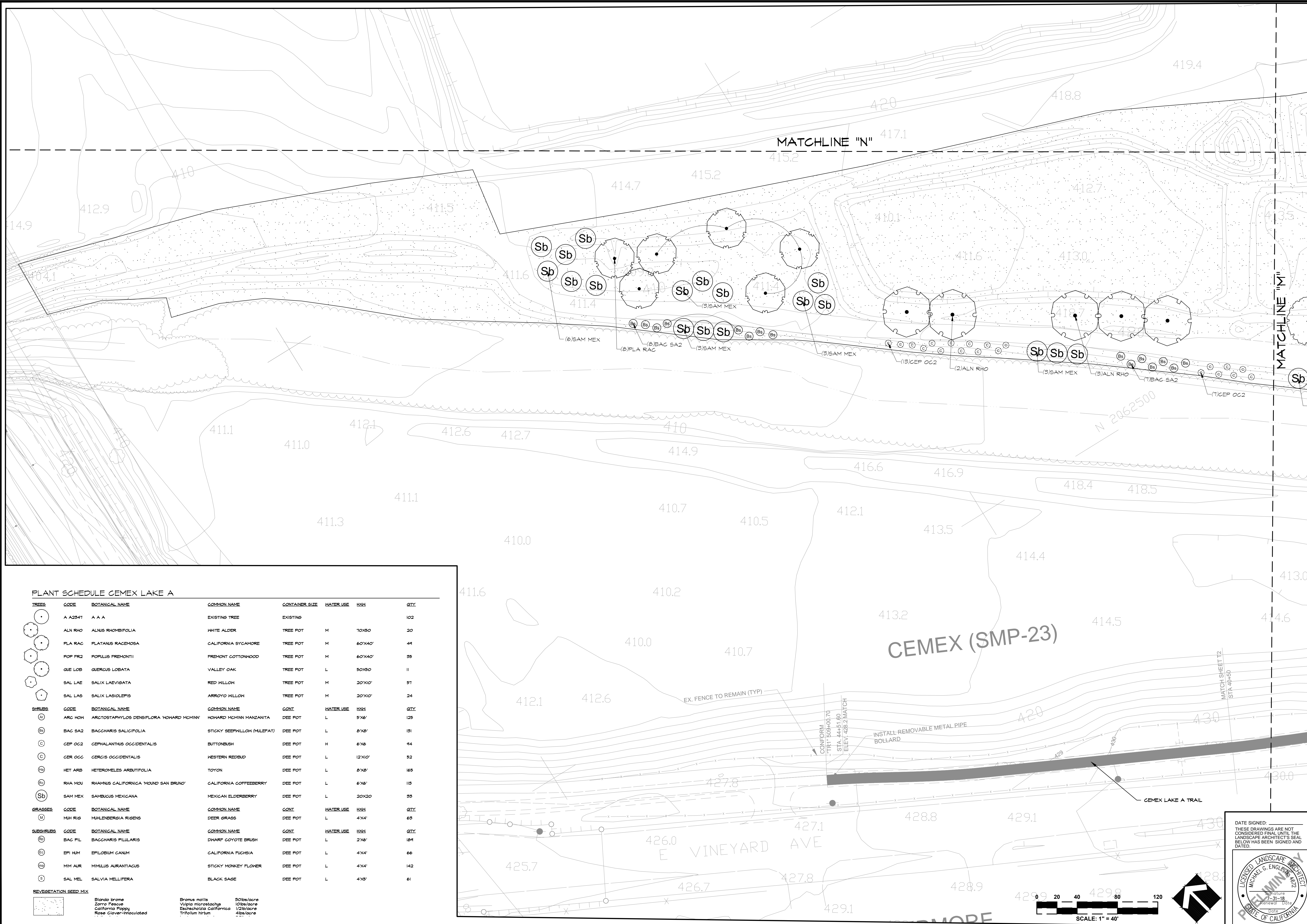
LICENSURE LANDSCAPE ARCHITECT
 MICHAEL G. ENGLISH #22
 Signature 7-31-18
 License No. 1519
 State of California

SHEET **LP9** OF **23**

DATE: 05/14/18

JOB NO: 1606

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PLANT SCHEDULE CEMEX LAKE A

TREES	CODE	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	WATER USE	HXH	QTY
	A A2541	A A A	EXISTING TREE	EXISTING			102
	ALN RHO	ALNUS RHOMBIFOLIA	WHITE ALDER	TREE POT	M	70'X50	20
	PLA RAC	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	TREE POT	M	60'X40'	44
	POP FR2	POPULUS FREMONTII	FREMONT COTTONWOOD	TREE POT	M	60'X40'	35
	QUE LOB	QUERCUS LOBATA	VALLEY OAK	TREE POT	L	50'X50	11
	SAL LAE	SALIX LAEVIGATA	RED WILLOW	TREE POT	M	20'X10'	51
	SAL LAS	SALIX LASIOLEPIS	ARROYO WILLOW	TREE POT	M	20'X10'	24
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	HXH	QTY
	ARC HCN	ARGOSTAPHYLOS DENSIFLORA	HOWARD MCMINI MANZANITA	DEE POT	L	5'X6'	125
	BAC SA2	BACCHARIS SALICIFOLIA	STICKY SEEPHILLOW (MULEFAT)	DEE POT	L	8'X8'	151
	CEP OC2	CERANTHUS OCCIDENTALIS	BUTTONBUSH	DEE POT	H	6'X6'	44
	CER OGG	CERCIS OCCIDENTALIS	WESTERN REDBUD	DEE POT	L	12'X10'	52
	HET ARB	HETEROMELES ARBUTIFOLIA	TOYON	DEE POT	L	8'X8'	165
	RHA MOU	RHAMNUS CALIFORNICA	MOUND SAN BRUNO'	DEE POT	L	6'X6'	115
	SAM MEX	SAMBUCUS MEXICANA	MEXICAN ELDERBERRY	DEE POT	L	20'X20	35
GRASSES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	HXH	QTY
	MH RIG	MULLEBERGIA RIGENS	DEER GRASS	DEE POT	L	4'X4'	65
SUBSHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	WATER USE	HXH	QTY
	BAC PIL	BACCHARIS PILLULARIS	DWARF COYOTE BRUSH	DEE POT	L	2'X6'	124
	EPI HM	EPILOBIUM CANUM	CALIFORNIA FUCHSIA	DEE POT	L	4'X4'	66
	MIN AUR	MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	DEE POT	L	4'X4'	142
	SAL MEL	SALVIA MELLIFERA	BLACK SAGE	DEE POT	L	4'X5'	61

REVEGETATION SEED MIX

Blando brome	Bromus mollis	50lbs/acre
Zorro fescue	Vulpia microstachys	10lbs/acre
California Poppo	Echinochloa californica	1/2lbs/acre
Rose Clover-inoculated	Trifolium hybridum	4lbs/acre

DESIGNED BY: BK
 DRAWN BY: BK
 CHECKED BY: MGE
 SCALE: AS SHOWN

NO. DATE REVISIONS

BY

APPD.

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CUMMINGS ENGINEERING

CEMEX LAKE A LANDSCAPE PLANTING PLAN

ALAMEDA COUNTY CALIFORNIA

SHEET **LP10** OF **23**

DATE: 05/14/18

JOB NO: 1606

DATE SIGNED: THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE LANDSCAPE ARCHITECT'S SEAL BELOW HAS BEEN SIGNED AND DATED.

PRELIMINARY

LICENSURE LANDSCAPE ARCHITECT
 MICHAEL G. ENGLISH #222
 Signature: 7-31-18
 Seal: 1606-0518
 STATE OF CALIFORNIA

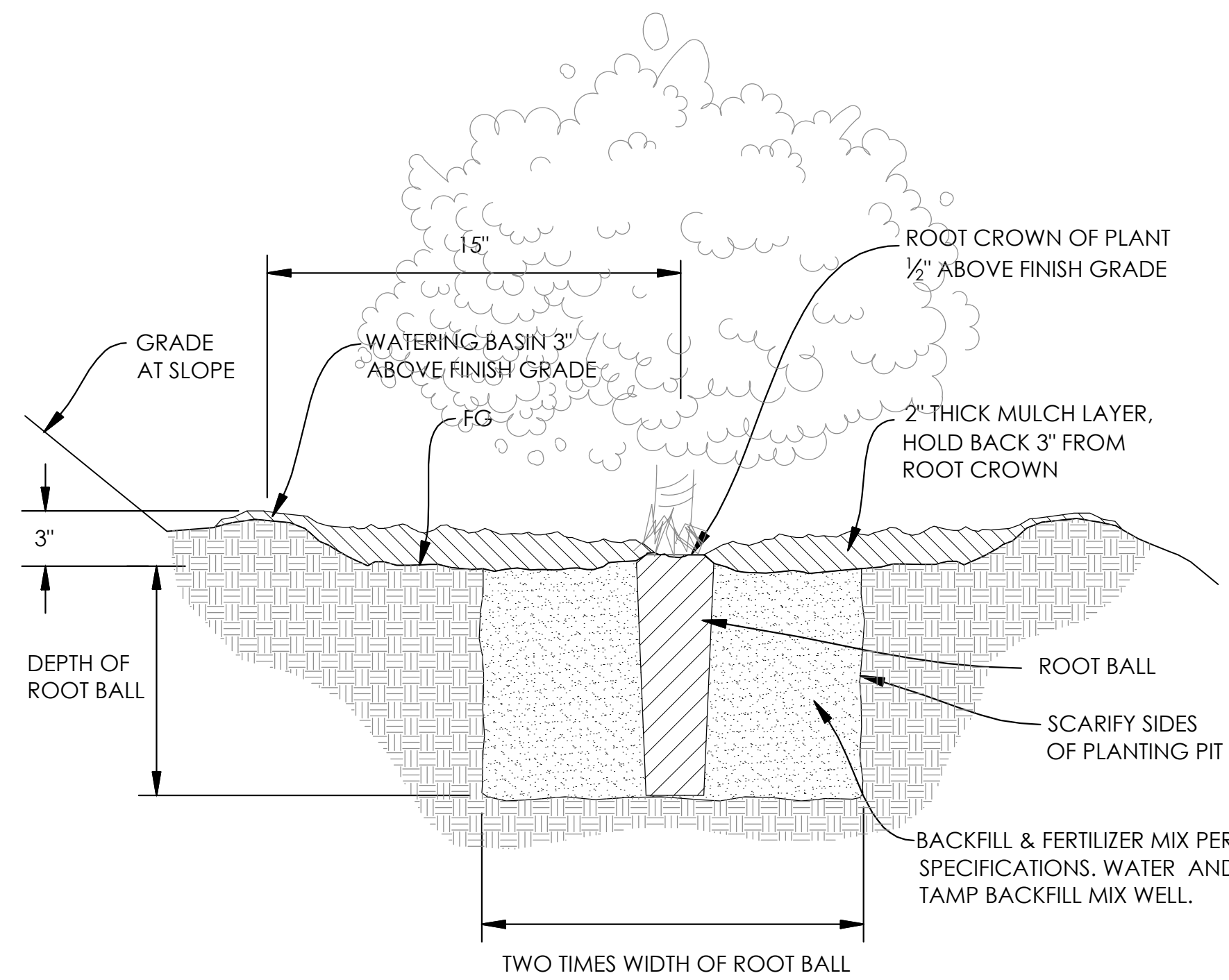
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PLANTING NOTES

1. WORK INCLUDES ALL LABOR, MATERIAL, EQUIPMENT AND APPLIANCES NECESSARY TO COMPLETE SOIL PREPARATION AND WEED CONTROL, FINE GRADING, PLANTING, AND MAINTENANCE PERIOD.
2. ALL WORK SHOWN ON PLANTING SHEETS SHALL BE PERFORMED PER DRAWINGS.
3. LANDSCAPE CONTRACTOR SHALL VERIFY PLANT QUANTITIES FROM LANDSCAPE PLAN. IF THERE IS A DISCREPANCY BETWEEN THE PLAN & THE LEGEND, THE PLAN SHALL GOVERN.
4. NO PLANTING SHALL BE STARTED UNTIL REMOVAL OF INVASIVE WEED SPECIES HAS OCCURRED.
5. LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN THE EVENT OF PLANT UNAVAILABILITY IMMEDIATELY AFTER BID AWARD(S). ANY SUBSTITUTIONS MUST BE REQUESTED IN WRITING AND SUBMITTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL.
6. ALL PLANT MATERIAL SHALL MEET SIZE SPECIFICATIONS AS SHOWN ON THE PLANT LEGEND, AND SHALL BE CONTAINER GROWN, HEALTHY, FULL, AND SHALL BE OF THE FIRST RATE QUALITY FOR THE SPECIES. CLEARLY LABEL REPRESENTATIVES OF EACH PLANT SPECIES OR CULTIVAR WITH BOTANICAL NAME.
7. PRIOR TO PLANTING OR GRADING, ASCERTAIN THE LOCATION OF ALL UNDERGROUND UTILITY LINES. PROMPTLY BRING ANY CONFLICT BETWEEN THE LOCATION OF UNDERGROUND LINES AND PLANT MATERIAL TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR APPROPRIATE ADJUSTMENT.
8. ALL PLANTER AREAS SHALL BE GRADED AND PLANTED FOR POSITIVE DRAINAGE AWAY FROM STRUCTURES, WALLS & FENCES.
9. SET FINISH SOIL GRADES AS NOTED ON DETAILS FOR SHRUBS & GROUNDCOVER AREAS. AFTER PLANTING, CORRECT ANY DISTURBED GRADES AND RETURN ENTIRE AREA TO FINISH GRADE.
10. CONDUCT PLANTING OPERATIONS UNDER FAVORABLE WEATHER CONDITIONS, EXCEPT WHEN GROUND IS TOO WET, AS DETERMINED BY THE LANDSCAPE ARCHITECT.
11. THOROUGHLY WATER ALL PLANTS AT TIME OF PLANTING, TAKING CARE NOT TO COVER CROWNS OF PLANTS WITH SOIL. KEEP ROOT BALLS ADEQUATELY MOIST UNTIL TIME OF ACCEPTANCE.
12. PROTECT PLANTS FROM DAMAGE OF ANY KIND, INCLUDING HEAT, DESICCATION, AND MAINTAIN PLANTS IN A HEALTHY AND VIGOROUS CONDITION FROM TIME OF ARRIVAL AT SITE THROUGH FINAL ACCEPTANCE. REPLACE ALL DEAD OR DAMAGED PLANTS AND ALL PLANTS NOT IN A VIGOROUS, THRIVING CONDITION AS DETERMINED BY THE LANDSCAPE ARCHITECT WITHOUT COST TO THE OWNER AS SOON AS SEASONAL CONDITIONS PERMIT. REPLACE WITH PLANT MATERIAL OF COMPARABLE QUALITY AND SIZE TO THAT WHICH WAS ORIGINALLY INSTALLED.
13. UPON INITIAL COMPLETION OF THE WORK, CONTACT THE LANDSCAPE ARCHITECT TO PROVIDE A PRELIMINARY REVIEW OF ALL PLANTING AND A PUNCH LIST OF INCOMPLETE OR UNSATISFACTORY ITEMS. ONLY SATISFACTORY COMPLETION OF WORK AND PUNCH LIST ITEMS AS DETERMINED BY THE LANDSCAPE ARCHITECT SHALL ESTABLISH THE BEGINNING OF THE 90-DAYS MAINTENANCE PERIOD.
14. CONTINUOUSLY MAINTAIN ALL AREAS INCLUDED IN THE CONTRACT DURING THE PROGRESS OF THE WORK, THROUGH THE 90-DAYS MAINTENANCE PERIOD, AND UNTIL FINAL ACCEPTANCE OF THE WORK. WATER, PRUNE, WEED CONTROL, CULTIVATE, MULCH, PEST CONTROL, RESET PLANTS TO PROPER GRADES OR UPRIGHT POSITION, RESTORE WATERING BASINS, REMOVE DEBRIS AND PROVIDE ALL OTHER CARE NEEDED FOR PROPER GROWTH AND APPEARANCE OF THE PLANTS.
15. KEEP ALL WALKS, CURBS, AND GUTTERS CLEAR OF DEBRIS, MUD, DUST, AND STANDING WATER BY SWEEPING, MOPPING OR HOSING DOWN AS REQUIRED TO MAINTAIN CLEANLINESS THROUGHOUT. AT COMPLETION OF MAINTENANCE PERIOD, ALL AREAS INCLUDED IN THE CONTRACT SHALL BE CLEAN AND FREE OF DEBRIS AND WEEDS. ALL PLANT MATERIALS SHALL BE LIVE, HEALTHY, AND FREE OF INFESTATION. IF ANY ITEM OR PORTION OF THE CONTRACT WORK IS NOT ACCEPTABLE TO THE OWNER AT THE TIME OF FINAL REVIEW, MAINTAIN ALL AREAS INCLUDED IN THE CONTRACT FOR ANY ADDITIONAL PERIOD OF TIME AS MAY BE REQUIRED TO REPAIR DEFECTIVE ITEM OR PORTION.
16. PLANT SYMBOLS AS SHOWN ON THE PLANTING PLAN ARE SIZED AND SPACED BASED ON GROWTH TO MATURE SIZE. CONTRACTOR SHALL ENSURE SPACING/OFFSETS TO OTHER SHRUBS, CONCRETE EDGES, PROPERTY LINES, ETC. ARE PER SPACING GUIDELINES SHOWN IN THE THE PLANTING LEGEND.

TREE PRESERVATION CONSTRUCTION NOTES

1. NO VEHICLES OR EQUIPMENT SHALL BE OPERATED OR MATERIALS STORED WITHIN THE DRIPLINE AREAS OF EX. TREES TO REMAIN. IF THESE ACTIVITIES ARE NECESSARY FOR THE COMPLETION OF WORK, WITH APPROVAL, THE CONTRACTOR SHALL PLACE 8'X4'X 1-1/8" PLYWOOD OVER THE ENTIRE GROUND AREA WITHIN THE TREE DRIPLINE. ANY ACTIVITY WITHIN DRIPLINE AREAS OF EX TREES SHALL BEGIN ONLY UPON ENGINEER'S APPROVAL.
2. PROTECT NATIVE TREES 4" DBH OR GREATER WITHIN ENTIRE PROJECT AREA. THE DBH OF NATIVE TREES AND SHRUBS WITH MULTIPLE STEMS SHALL BE THE TOTAL OF ALL BRANCHES AT BREAST HEIGHT. CONTRACTOR TO PROTECT ALL SHRUBBY AND HERBACEOUS NATIVE VEGETATION TO THE MAXIMUM EXTENT FEASIBLE.
3. HAND DIG TRENCHES PASSING THROUGH TREE ROOT ZONES. ALL TREE ROOTS OVER 1" TO BE SAVED. ROOTS 1" OR SMALLER TO BE CLEAN CUT WITH SHARP, DISINFECTED PRUNING SHEARS. IF DURING EXCAVATION FOR THE PROJECT ANY TREE ROOTS GREATER THAN TWO INCHES IN DIAMETER ARE ENCOUNTERED WORK SHALL STOP IMMEDIATELY UNTIL PROJECT ARBORIST OR OWNER REPRESENTATIVE CAN PERFORM AN ON-SITE INSPECTION. ALL ROOTS SHALL BE CUT CLEAN AND THE TREE AFFECTED MAY REQUIRE SUPPLEMENTAL IRRIGATION, FERTILIZATION, AND PRUNING AS A RESULT OF TREE PRUNING.
4. THE CONTRACTOR SHALL BE HELD LIABLE FOR ANY DAMAGE TO EXISTING TREES I.E. TRUNK WOUNDS, BROKEN LIMB, POURING OF ANY DELETERIOUS MATERIALS, OR WASHING OUT CONCRETE UNDER THE DRIP LINE OF THE TREE. DAMAGES WILL BE ASSESSED USING THE "GUIDE TO PLANT APPRAISAL" NINTH EDITION PUBLISHED BY THE ISA & PER SPEC 1530. THE PROJECT ARBORIST OR OWNER REPRESENTATIVE WILL DO THE APPRAISAL AND SUBMIT A REPORT AS NEEDED.
5. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT IF GRADE CHANGES EXCEED 6" WITHIN 5' OF ANY EXISTING TREE TRUNK.
6. RESTORE AREAS IMPACTED BY ANY CONSTRUCTION ACTIVITIES TO PRE-CONSTRUCTION CONDITION. AS A MINIMUM, SCARIFY COMPACTED SOIL BY CROSS-RIPPING OR APPROVED METHOD TO 6" MINIMUM AND 10" MAX. DEPTH AND RE-SEED WITH NATIVE GRASS SEED MIX AS SPECIFIED IN THE PLANTING SCHEDULE.

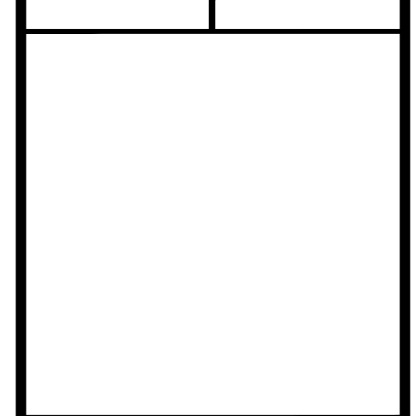


1 TREEPOT/DEEPOP TREE/SHRUB PLANTING SECTION NOT TO SCALE

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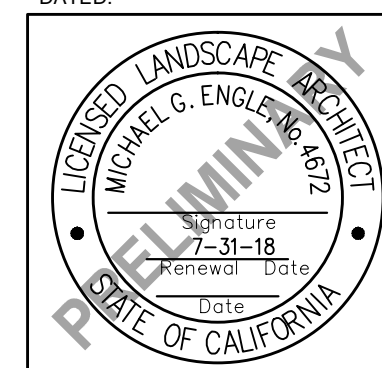
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ALAMEDA COUNTY CALIFORNIA
CEMEX LAKE A
LANDSCAPE PLANTING
DETAILS

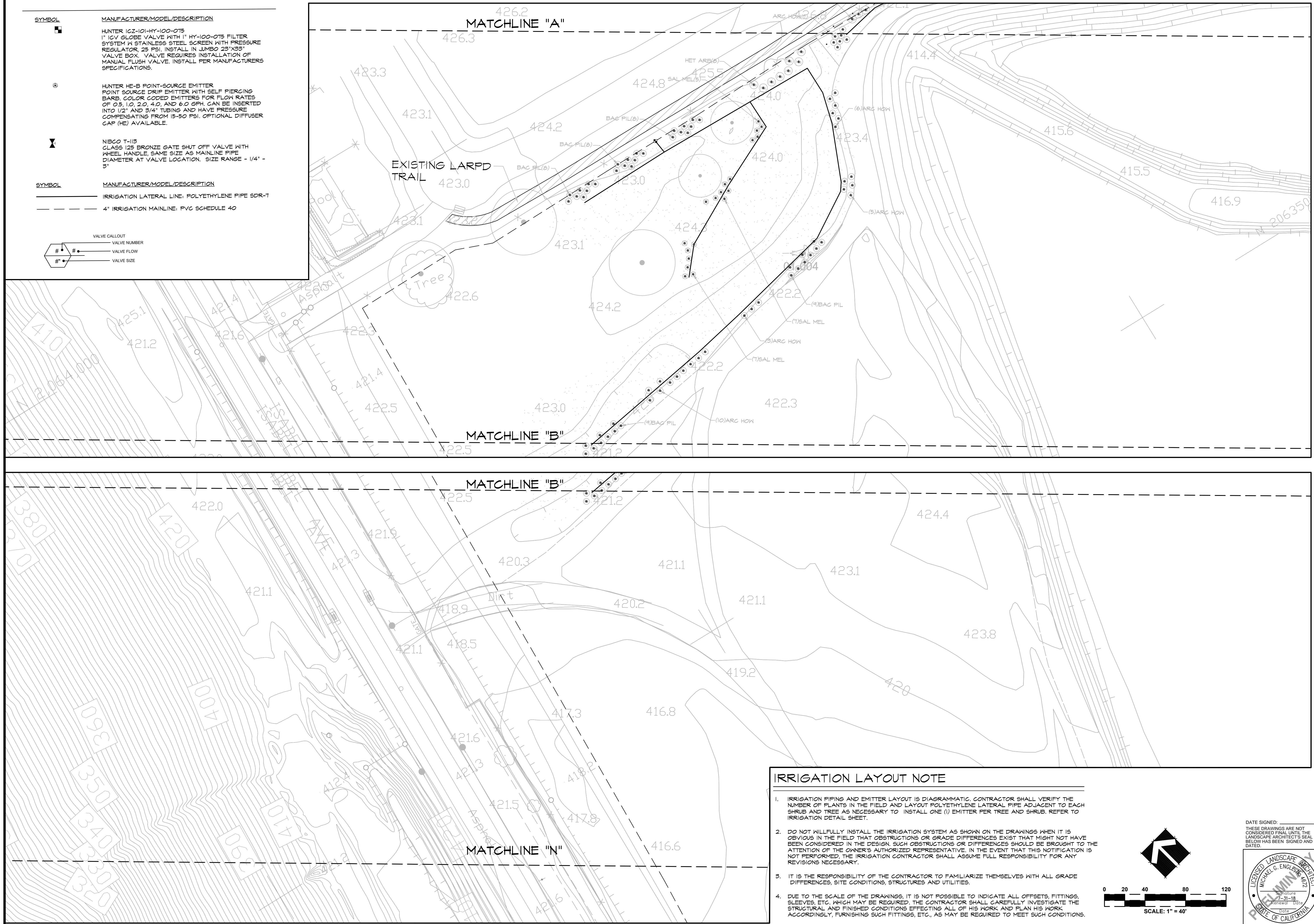
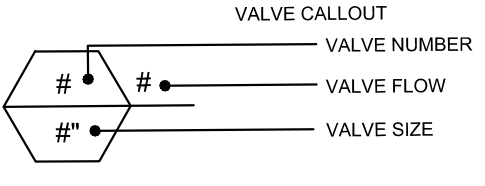
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 JOB NO: 1606

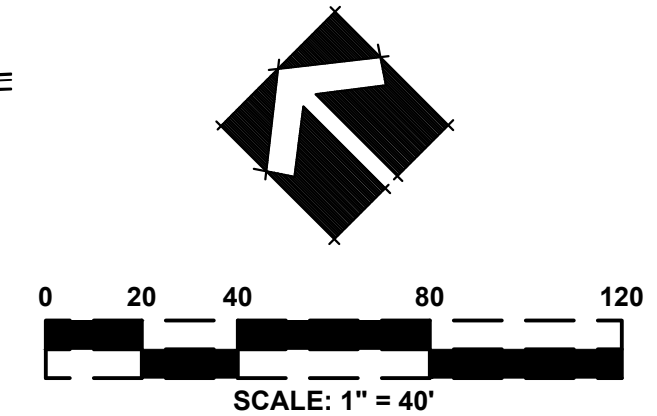
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SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER 102-101-HY-100-075 1" GY GLOBE VALVE WITH 1" HY-100-075 FILTER SYSTEM IN STAINLESS STEEL SCREEN WITH PRESSURE REGULATOR, 25 PSI. INSTALL IN JUMBO 23"X33" VALVE BOX. VALVE REQUIRES INSTALLATION OF MANUAL FLUSH VALVE. INSTALL PER MANUFACTURERS SPECIFICATIONS.
	HUNTER HE-B POINT-SOURCE EMITTER POINT SOURCE DRIP EMITTER WITH SELF PIERCING BARS. COLOR CODED EMITTERS FOR FLOW RATES OF 0.5, 1.0, 2.0, 4.0, AND 6.0 GPH. CAN BE INSERTED INTO 1/2" AND 3/4" TUBING AND HAVE PRESSURE COMPENSATING FROM 15-50 PSI. OPTIONAL DIFFUSER CAP (HE) AVAILABLE.
	NIBCO T-115 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE. SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4" - 3"
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7
	4" IRRIGATION MAINLINE: PVC SCHEDULE 40



IRRIGATION LAYOUT NOTE

- IRRIGATION PIPING AND EMITTER LAYOUT IS DIAGRAMMATIC. CONTRACTOR SHALL VERIFY THE NUMBER OF PLANTS IN THE FIELD AND LAYOUT POLYETHYLENE LATERAL PIPE ADJACENT TO EACH SHRUB AND TREE AS NECESSARY TO INSTALL ONE (1) EMITTER PER TREE AND SHRUB. REFER TO IRRIGATION DETAIL SHEET.
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CUMINGHAM ENGINEERS

CEMEX LAKE A LANDSCAPE IRRIGATION PLAN

ALAMEDA COUNTY CALIFORNIA

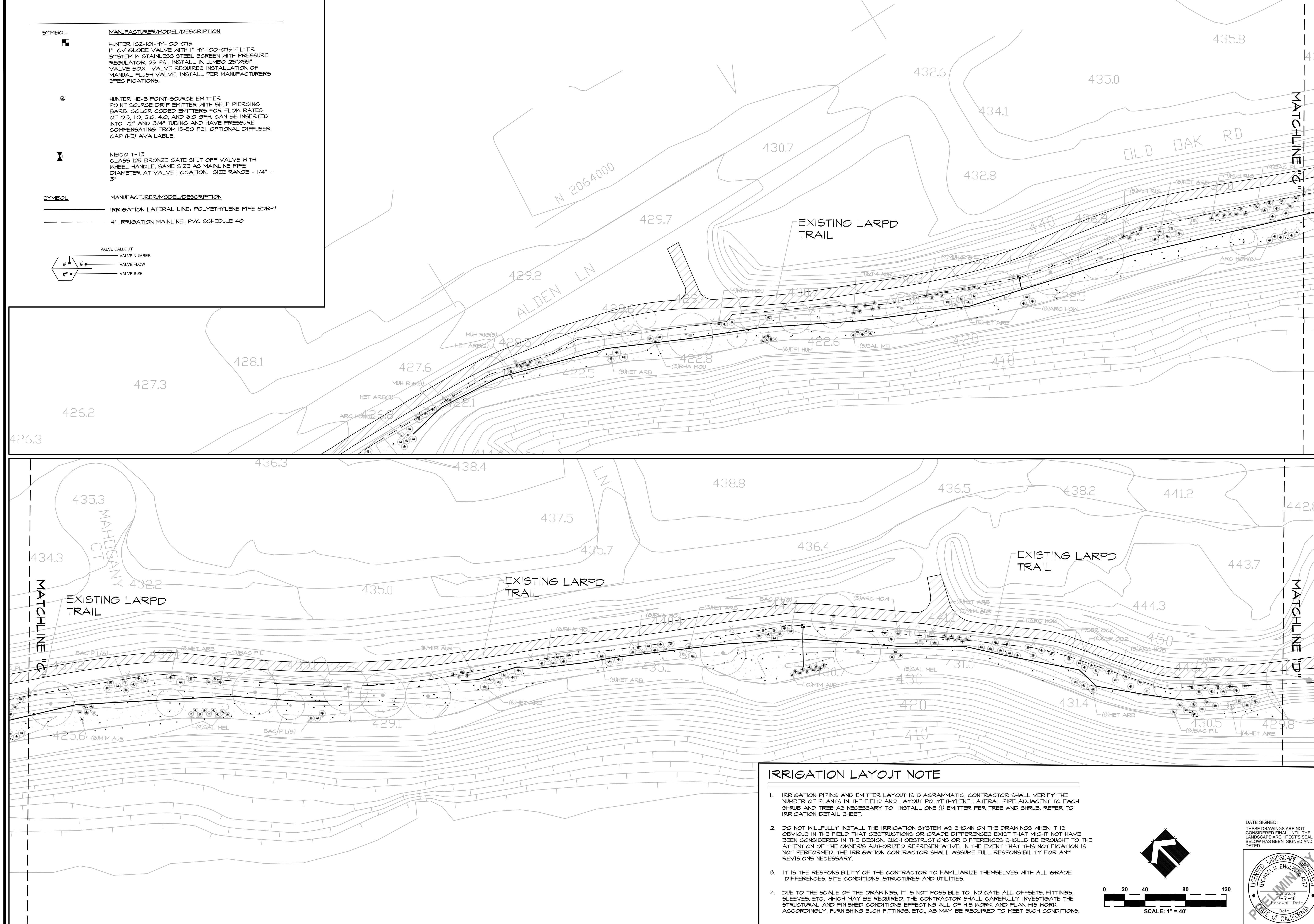
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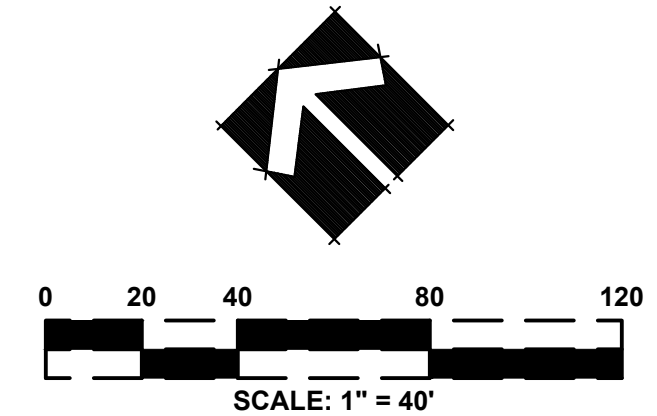
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER IGZ-101-HY-100-075 1" IGZ GLOBE VALVE WITH 1" HY-100-075 FILTER SYSTEM W/ STAINLESS STEEL SCREEN WITH PRESSURE REGULATOR, 25 PSI. INSTALL IN JUMBO 23"X33" VALVE BOX. VALVE REQUIRES INSTALLATION OF MANUAL FLUSH VALVE. INSTALL PER MANUFACTURERS SPECIFICATIONS.
	HUNTER HE-B POINT-SOURCE EMITTER POINT SOURCE DRIP EMITTER WITH SELF PIERCING BARB. COLOR CODED EMITTERS FOR FLOW RATES OF 0.5, 1.0, 2.0, 4.0, AND 6.0 GPH. CAN BE INSERTED INTO 1/2" AND 3/4" TUBING AND HAVE PRESSURE COMPENSATING FROM 15-50 PSI. OPTIONAL DIFFUSER CAP (HE) AVAILABLE.
	NIBCO T-113 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE. SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4" - 3"
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7
	4" IRRIGATION MAINLINE: PVC SCHEDULE 40

VALVE CALLOUT	
	VALVE NUMBER
	VALVE FLOW
	VALVE SIZE



IRRIGATION LAYOUT NOTE

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**CEMEX LAKE A
 LANDSCAPE IRRIGATION PLAN**

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23
 DATE: 05/14/18
 JOB NO: 1606

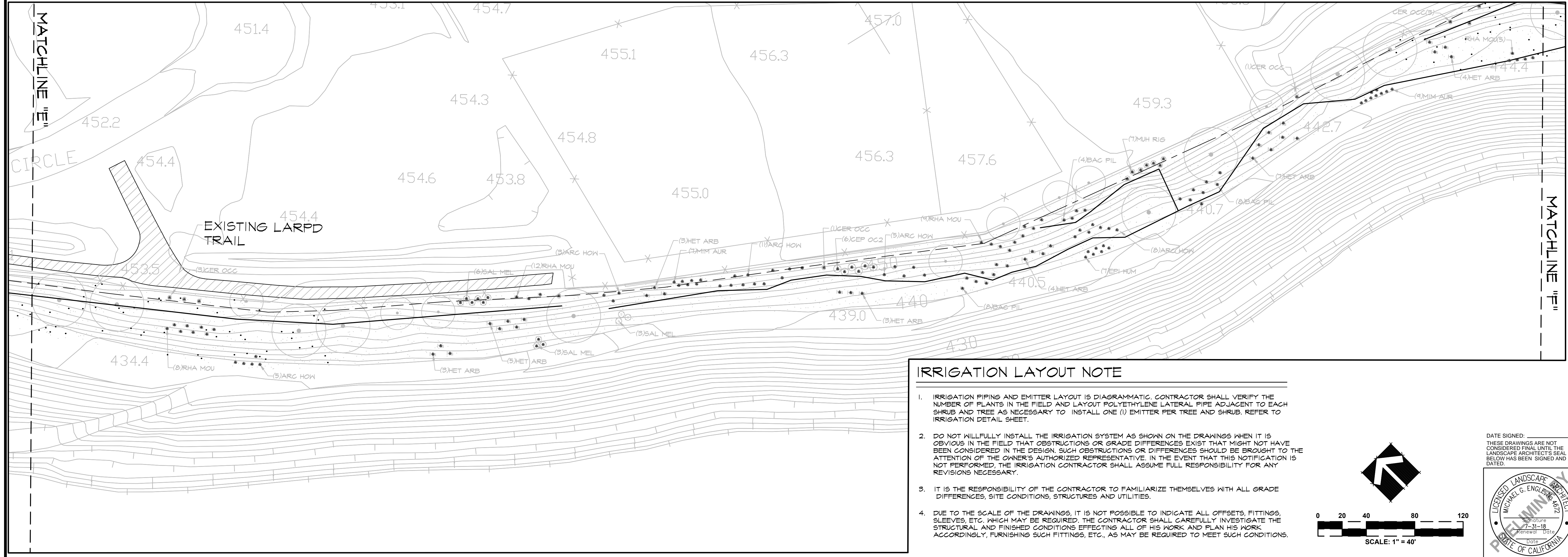
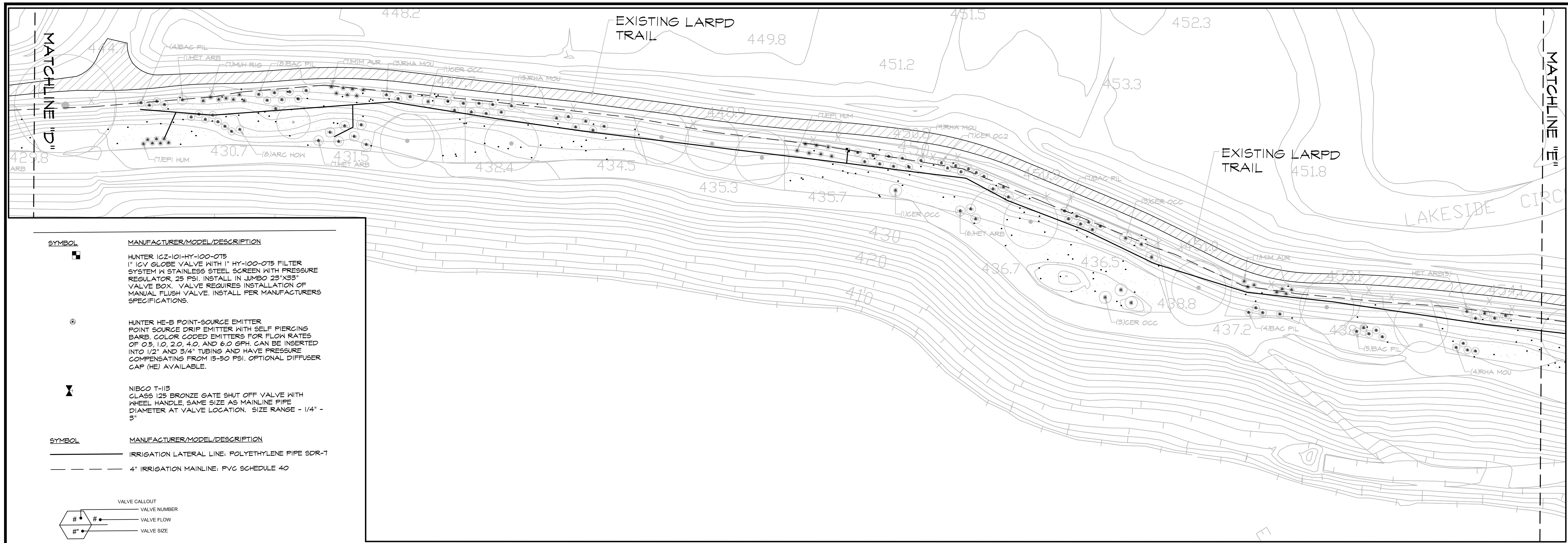
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 SCALE: AS SHOWN



SYMBOL MANUFACTURER/MODEL/DESCRIPTION

HUNTER ICZ-101-HY-100-075 1" ICV GLOBE VALVE WITH 1" HY-100-075 FILTER SYSTEM IN STAINLESS STEEL SCREEN WITH PRESSURE REGULATOR 25 PSI. INSTALL IN JUMBO 25"X35" VALVE BOX. VALVE REQUIRES INSTALLATION OF MANUAL FLUSH VALVE. INSTALL PER MANUFACTURERS SPECIFICATIONS.

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NIBCO T-115 GLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE. SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4" - 3"

SYMBOL MANUFACTURER/MODEL/DESCRIPTION

IRRIGATION LATERAL LINE. POLYETHYLENE PIPE SDR-7

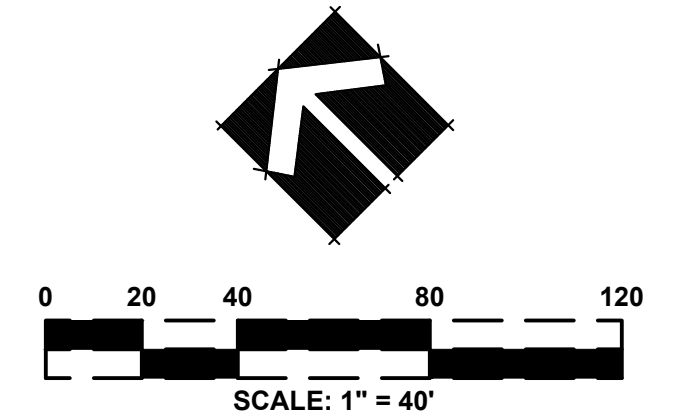
4" IRRIGATION MAINLINE. PVC SCHEDULE 40

VALVE CALLOUT

VALVE NUMBER
 VALVE FLOW
 VALVE SIZE

IRRIGATION LAYOUT NOTE

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DATE SIGNED: _____

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SCALE					
AS SHOWN					

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CEMEX LAKE A LANDSCAPE IRRIGATION PLAN

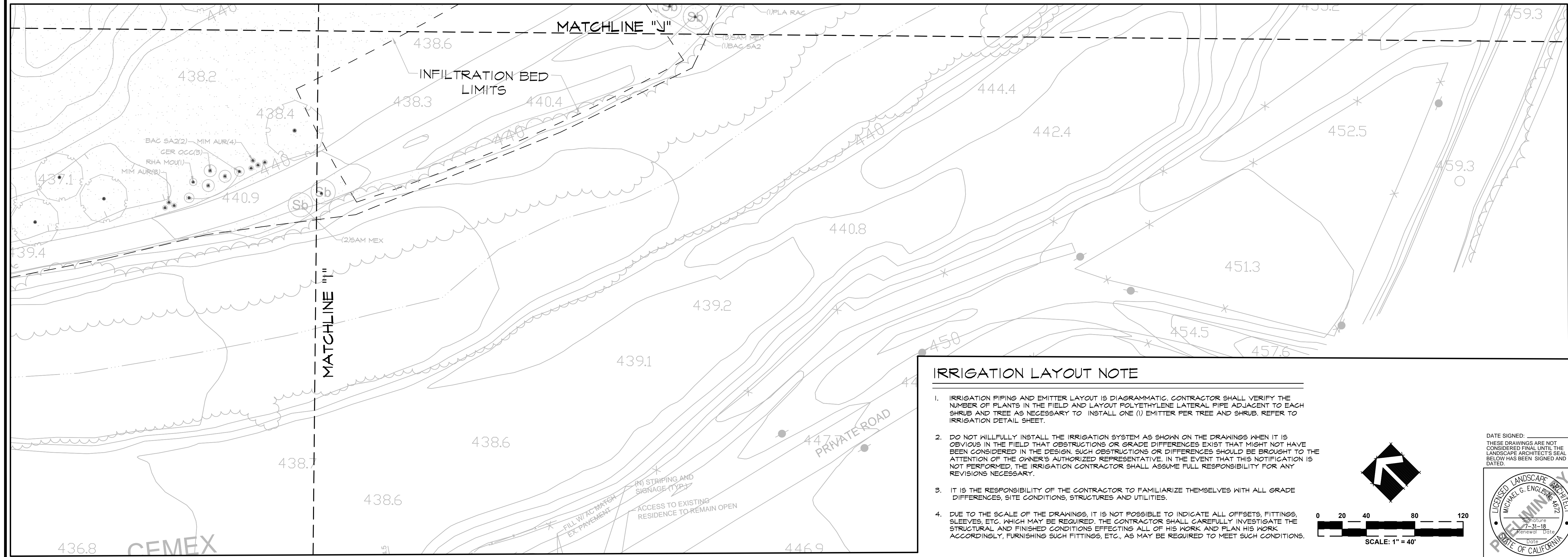
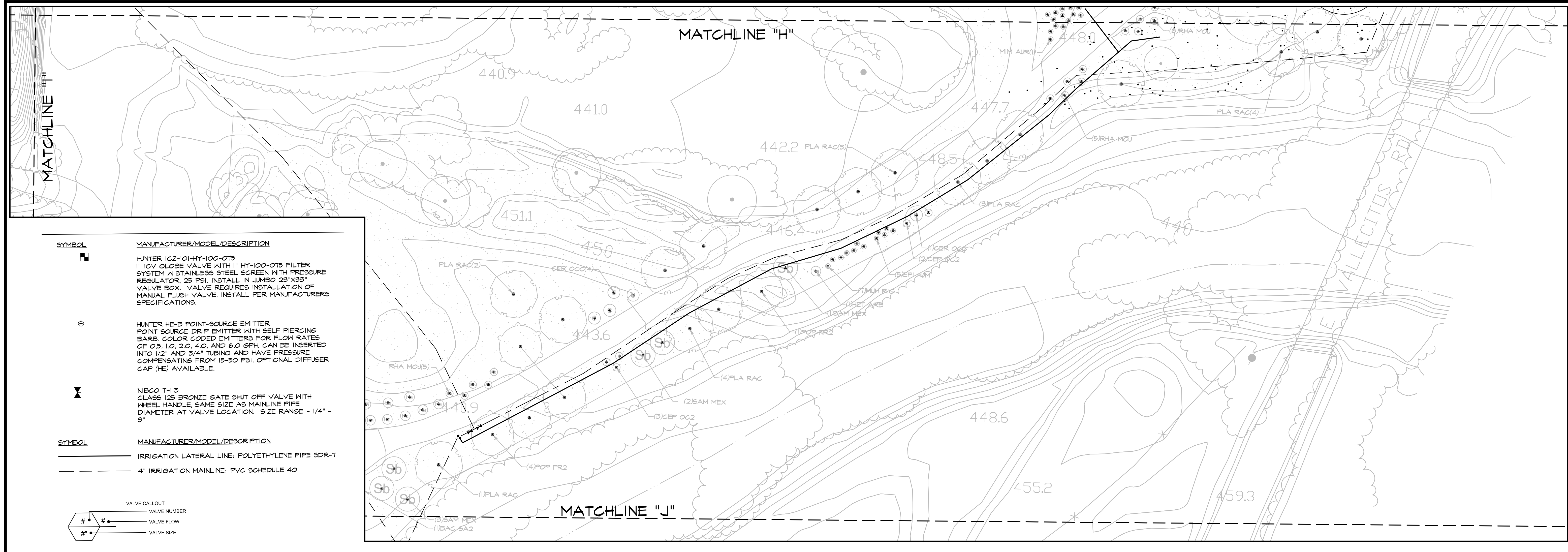
ALAMEDA COUNTY CALIFORNIA

SHEET **IR14** OF **23**

DATE: 05/14/18

JOB NO: 1606

PROJECT: 1606 CEMEX LAKE LANDSCAPE ARCHITECT DATE: 4 PLAN: 1606-03 SHEETS: 1606-IRRIGATION 1606-03-03-03-IRR-PLAN.dwg - 03 5/14/2018 1:32PM Plotted by: Gmed

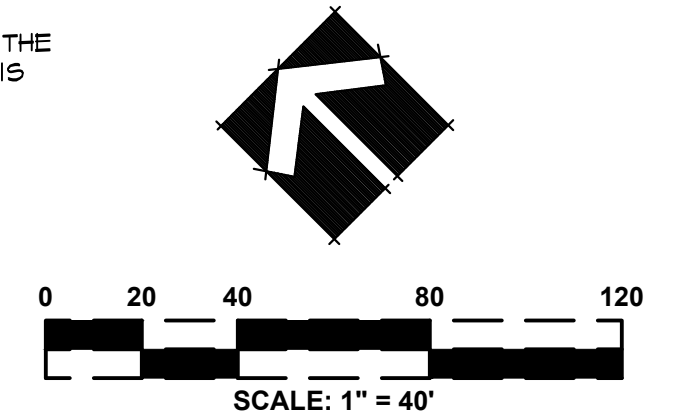


SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER ICZ-101-HY-100-075 1" IGV GLOBE VALVE WITH 1" HY-100-075 FILTER SYSTEM IN STAINLESS STEEL SCREEN WITH PRESSURE REGULATOR, 25 PSI. INSTALL IN JUMBO 23"X33" VALVE BOX. VALVE REQUIRES INSTALLATION OF MANUAL FLUSH VALVE. INSTALL PER MANUFACTURERS SPECIFICATIONS.
	HUNTER HE-8 POINT-SOURCE EMITTER POINT SOURCE DRIP EMITTER WITH SELF PIERCING BARB. COLOR CODED EMITTERS FOR FLOW RATES OF 0.5, 1.0, 2.0, 4.0, AND 6.0 GPH. CAN BE INSERTED INTO 1/2" AND 3/4" TUBING AND HAVE PRESSURE COMPENSATING FROM 15-50 PSI. OPTIONAL DIFFUSER CAP (HE) AVAILABLE.
	NIBCO T-115 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4" - 5"
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	IRRIGATION LATERAL LINE, POLYETHYLENE PIPE SDR-7
	4" IRRIGATION MAINLINE, PVC SCHEDULE 40

VALVE CALLOUT	
	VALVE NUMBER
	VALVE FLOW
	VALVE SIZE

IRRIGATION LAYOUT NOTE

- IRRIGATION PIPING AND EMITTER LAYOUT IS DIAGRAMMATIC. CONTRACTOR SHALL VERIFY THE NUMBER OF PLANTS IN THE FIELD AND LAYOUT POLYETHYLENE LATERAL PIPE ADJACENT TO EACH SHRUB AND TREE AS NECESSARY TO INSTALL ONE (1) EMITTER PER TREE AND SHRUB. REFER TO IRRIGATION DETAIL SHEET.
- DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE THEMSELVES WITH ALL GRADE DIFFERENCES, SITE CONDITIONS, STRUCTURES AND UTILITIES.
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DATE SIGNED: _____
 THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE LANDSCAPE ARCHITECT'S SEAL BELOW HAS BEEN SIGNED AND DATED.

DESIGNED BY	BK	APPD.	
DRAWN BY	BK	BY	
CHECKED BY	MCE	REVISIONS	
SCALE		NO.	
AS SHOWN		DATE	

CECWEST.COM
 Project Planning - Civil Engineering - Landscape Architecture
 Davis Office
 2120 20th Street, Suite Three
 Sacramento, CA 95818
 (916) 455-2026

CUNNINGHAM ENGINEERS

CEMEX LAKE A LANDSCAPE IRRIGATION PLAN

ALAMEDA COUNTY CALIFORNIA

SHEET **IR16** OF **23**

DATE: 05/14/18

JOB NO: 1606

SYMBOL MANUFACTURER/MODEL/DESCRIPTION

HUNTER ICZ-101-HY-100-075 1" ICV GLOBE VALVE WITH 1" HY-100-075 FILTER SYSTEM IN STAINLESS STEEL SCREEN WITH PRESSURE REGULATOR, 25 PSI. INSTALL IN JUMBO 25"x35" VALVE BOX. VALVE REQUIRES INSTALLATION OF MANUAL FLUSH VALVE. INSTALL PER MANUFACTURERS SPECIFICATIONS.

HUNTER HE-B POINT-SOURCE EMITTER POINT SOURCE DRIP EMITTER WITH SELF PIERCING BARB, COLOR CODED EMITTERS FOR FLOW RATES OF 0.5, 1.0, 2.0, 4.0, AND 8.0 GPH. CAN BE INSERTED INTO 1/2" AND 3/4" TUBING AND HAVE PRESSURE COMPENSATING FROM 15-50 PSI. OPTIONAL DIFFUSER CAP (HE) AVAILABLE.

NIBCO T-115 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4" - 3"

SYMBOL MANUFACTURER/MODEL/DESCRIPTION

IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7

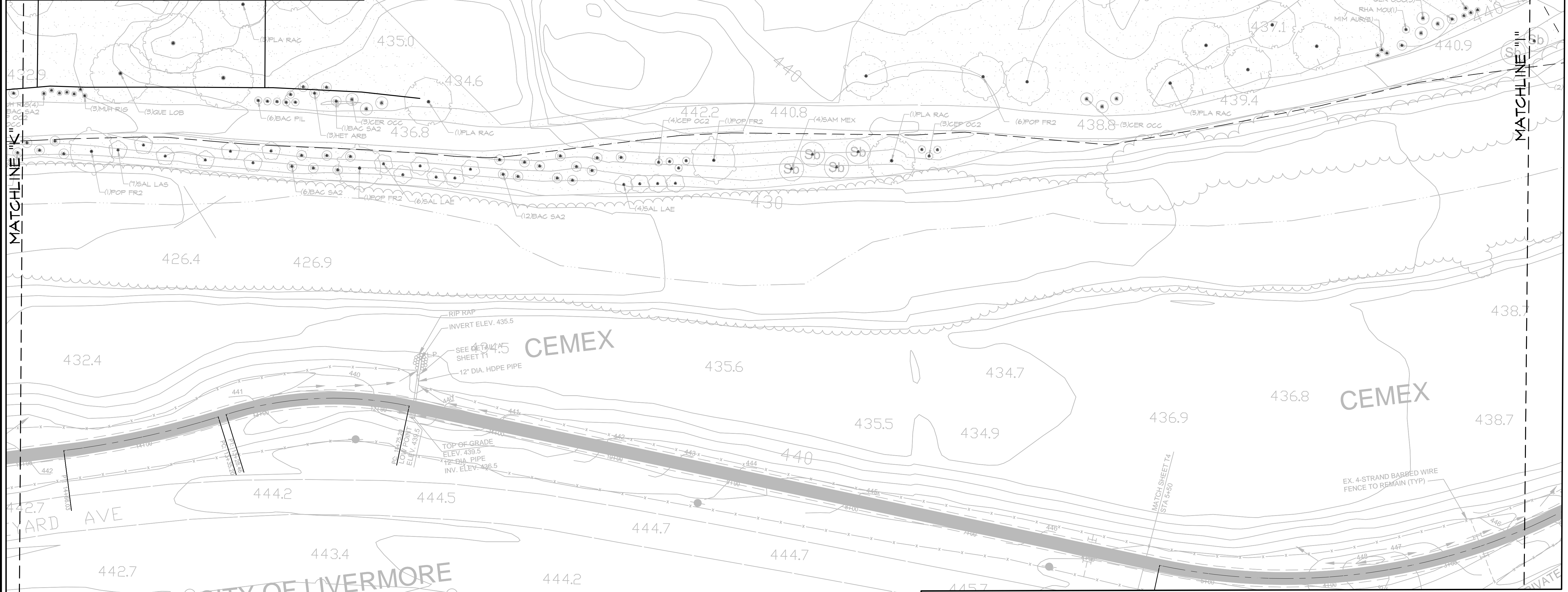
4" IRRIGATION MAINLINE: PVC SCHEDULE 40

VALVE CALLOUT

VALVE NUMBER

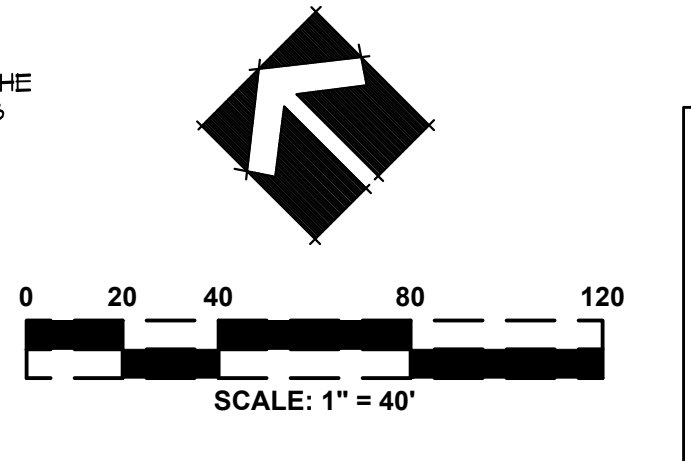
VALVE FLOW

VALVE SIZE



IRRIGATION LAYOUT NOTE

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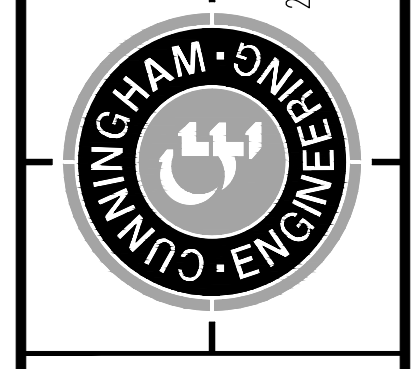


DATE SIGNED:
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MICHAEL G. ENGLE
 LICENSED LANDSCAPE ARCHITECT
 STATE OF CALIFORNIA

DESIGNED BY	BK
DRAWN BY	BK
CHECKED BY	MGE
SCALE	AS SHOWN

NO. DATE REVISIONS BY APPD.



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 Davis, CA 95618
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CEMEX LAKE A
LANDSCAPE IRRIGATION PLAN

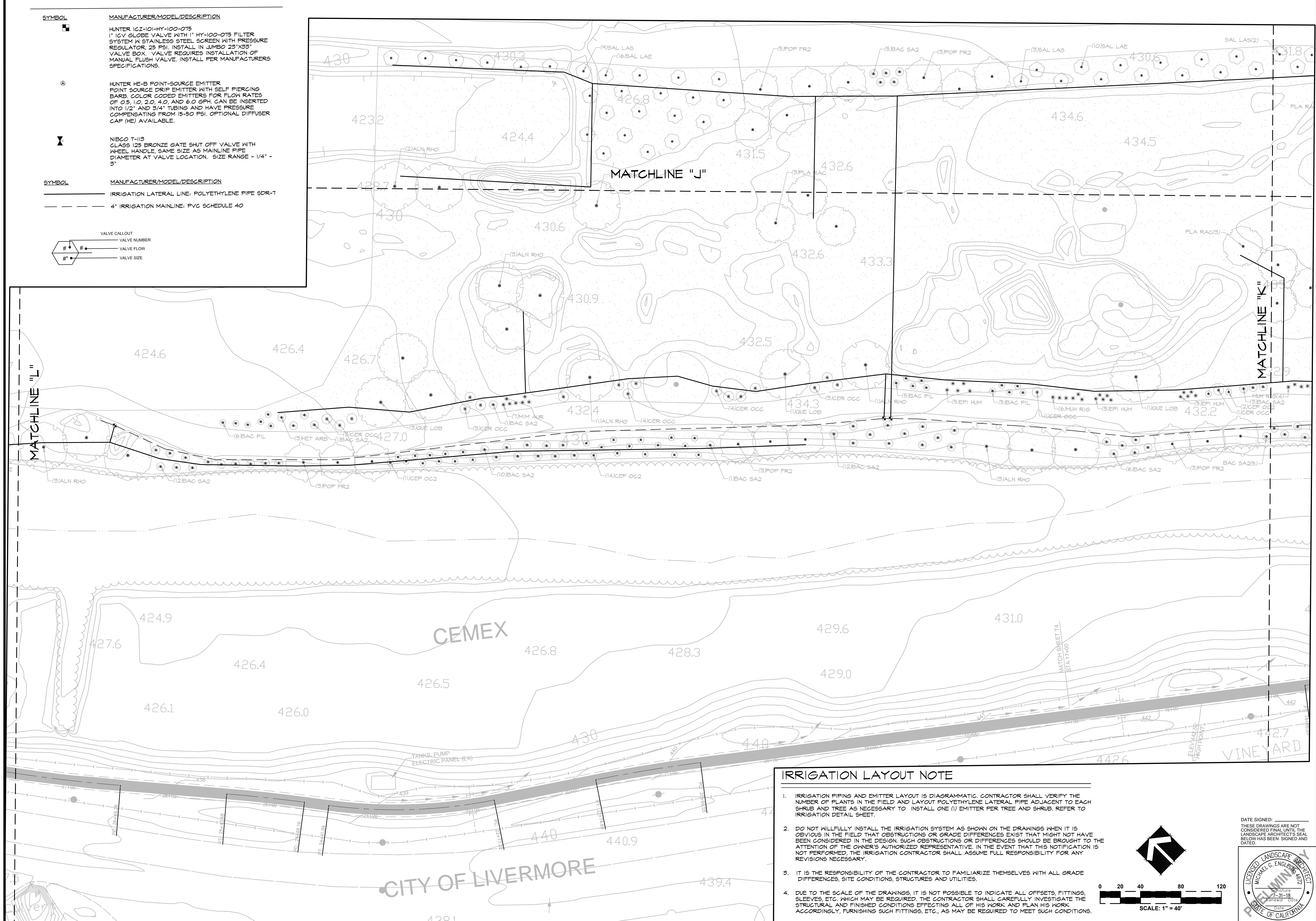
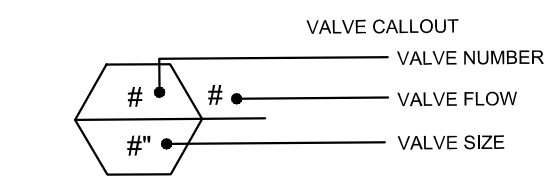
ALAMEDA COUNTY CALIFORNIA

SHEET
IR17
 OF
23

DATE: 05/14/18

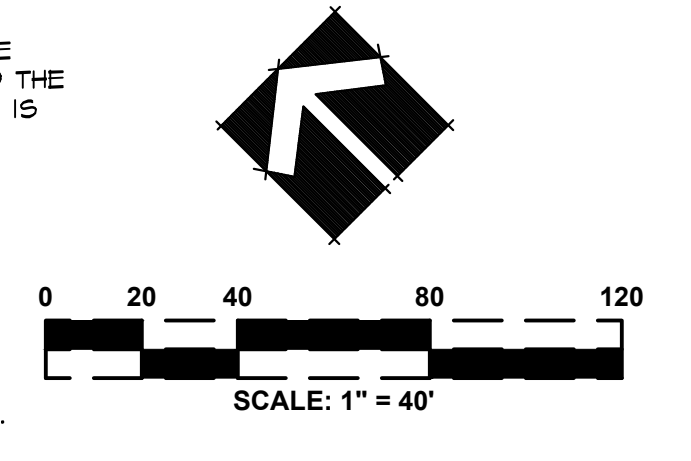
JOB NO: 1606

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER 10Z-101-HY-100-075 1" GLOBE VALVE WITH 1" HY-100-075 FILTER SYSTEM W/ STAINLESS STEEL SCREEN WITH PRESSURE REGULATOR, 25 PSI. INSTALL IN JUMBO 23"X33" VALVE BOX. VALVE REQUIRES INSTALLATION OF MANUAL FLUSH VALVE. INSTALL PER MANUFACTURERS SPECIFICATIONS.
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SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7
	4" IRRIGATION MAINLINE: PVC SCHEDULE 40



IRRIGATION LAYOUT NOTE

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DRAWN BY	BK	Project Planning ■ Civil Engineering ■ Landscape Architecture
CHECKED BY	MGE	■ Davis Office 2120 20th Street, Suite Three Sacramento, CA 95818 (916) 455-2026
SCALE	AS SHOWN	■ Davis Office 2940 Spoford Street, Suite 200 Davis, CA 95618 (530) 758-2026

NO.	DATE	REVISIONS

**CEMEX LAKE A
LANDSCAPE IRRIGATION PLAN**

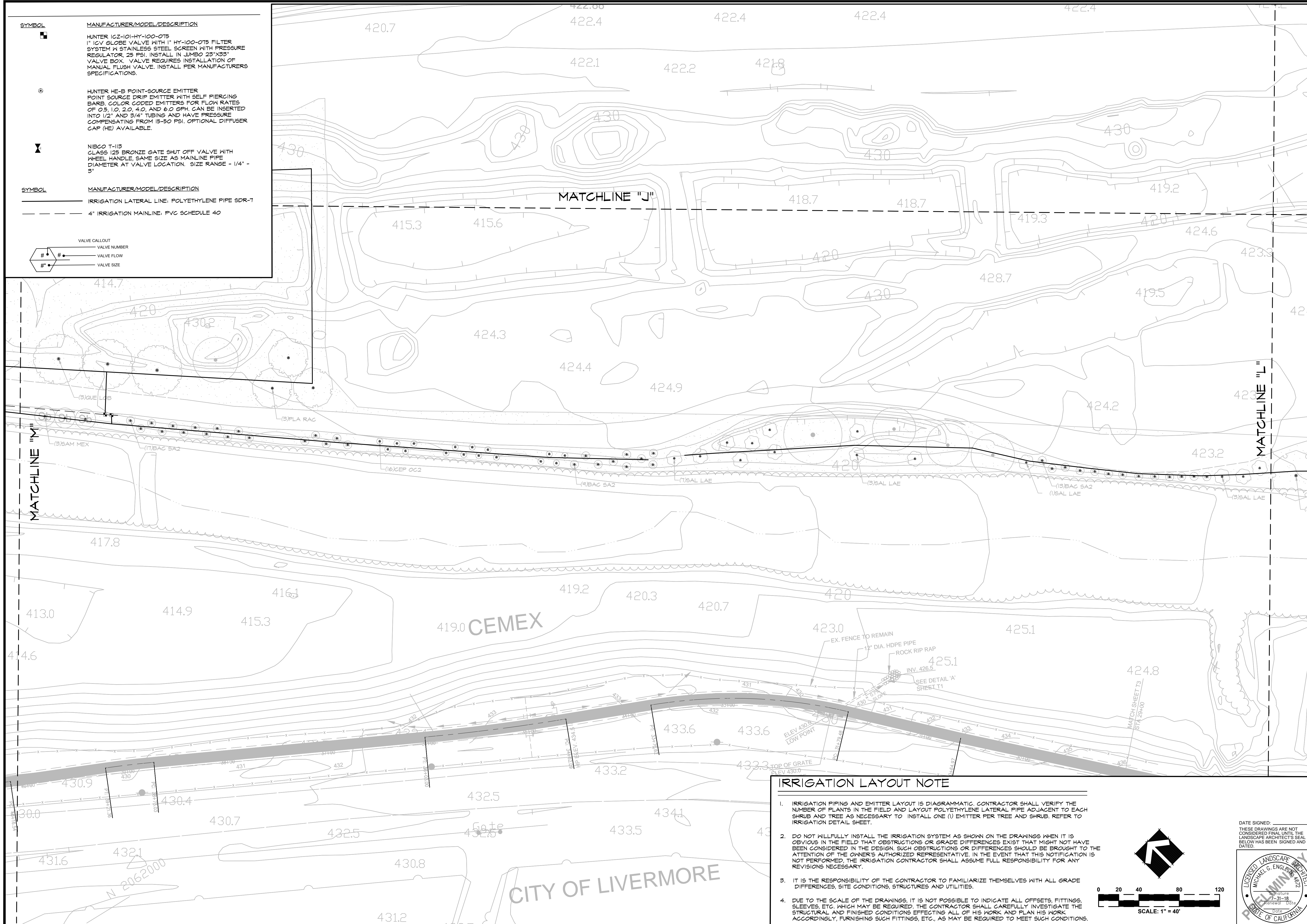
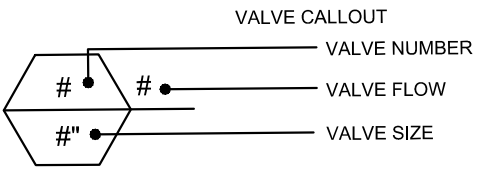
ALAMEDA COUNTY CALIFORNIA

SHEET **IR18** OF **23**

DATE: 05/14/18

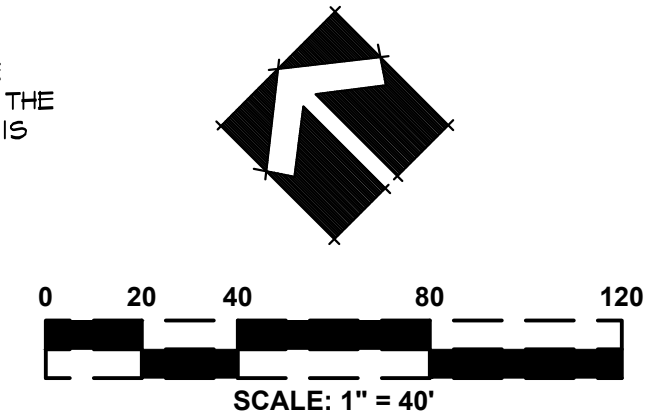
JOB NO: 1606

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
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IRRIGATION LAYOUT NOTE

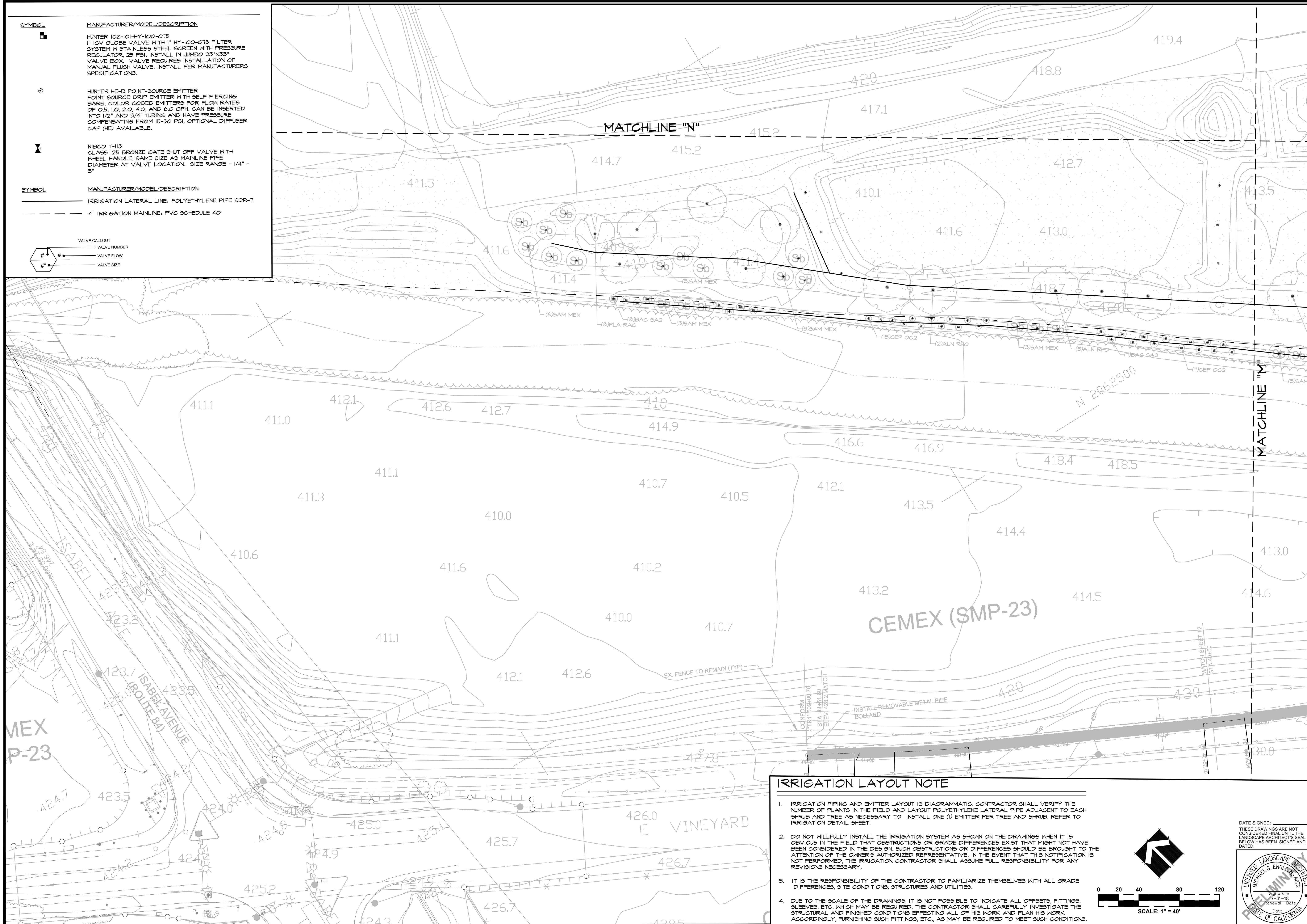
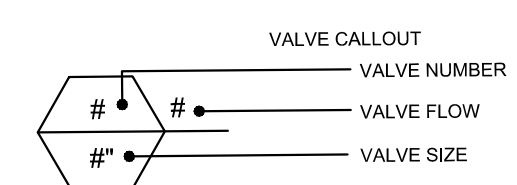
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CEMEX LAKE A LANDSCAPE IRRIGATION PLAN ALAMEDA COUNTY CALIFORNIA				
SHEET IR 19 OF 23 DATE: 05/14/18 JOB NO: 1606				

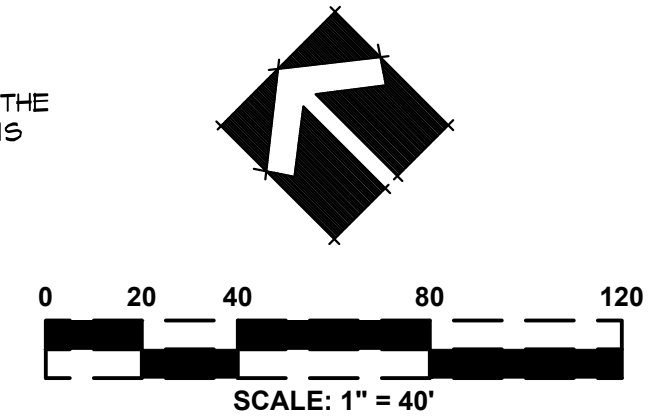
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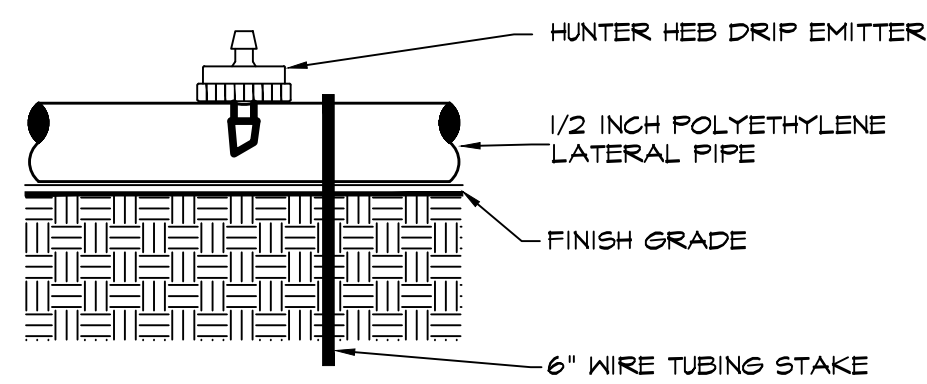
DATE SIGNED: 05/14/18
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PROFESSIONAL SEAL OF CALIFORNIA LANDSCAPE ARCHITECT
 MICHAEL G. ENGLE #47318
 State of California

DESIGNED BY	BK	CECWEST.COM	 Project Planning ■ Civil Engineering ■ Landscape Architecture ■ Davis Office 2120 20th Street, Suite Three Sacramento, CA 95818 (916) 455-2026
DRAWN BY	BK	■ Sacramento Office 2940 Spafford Street Davis, CA 95618 (916) 455-2026	
CHECKED BY	MGE	ALAMEDA COUNTY	CALIFORNIA
SCALE	AS SHOWN	CEMEX LAKE A LANDSCAPE IRRIGATION PLAN	
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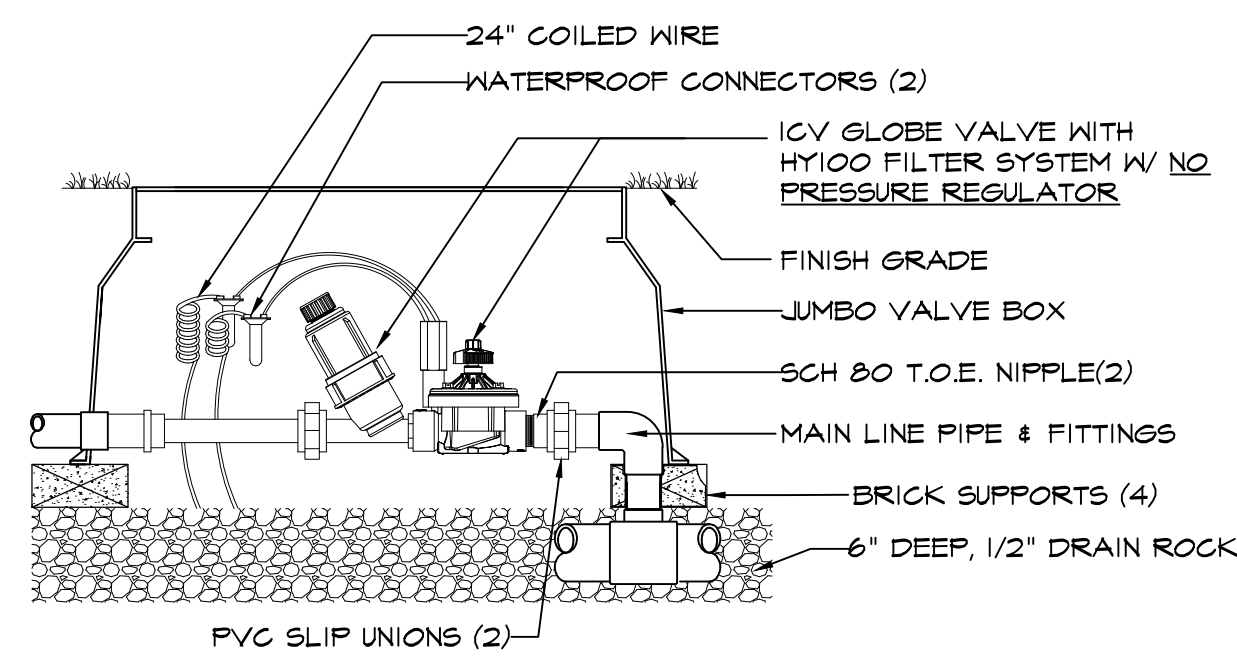
IRRIGATION SYSTEM NOTES

- CONTRACTOR SHALL REFER TO NOTES & DETAILS ON PLANS FOR ALL LANDSCAPE INSTALLATION WORK.
- WORK SHALL BE PERFORMED BY PERSONNEL EXPERIENCED IN IRRIGATION INSTALLATION AND UNDER THE SUPERVISION OF A SKILLED FOREMAN.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE THEMSELVES WITH ALL GRADE DIFFERENCES, SITE CONDITIONS, LOCATIONS OF STRUCTURES, AND UTILITIES. HE SHALL COORDINATE WITH GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION OF SLEEVES UNDER PAVING, ETC.
- CONTRACTOR TO PROVIDE SUBMITTALS OF ALL MATERIALS, INCLUDING VALVES, CONTROLLER, IRRIGATION HEADS, AND OTHER EQUIPMENT NEEDED TO COMPLETE THE IRRIGATION INSTALLATION AS DESIGNED. IRRIGATION EQUIPMENT NOT DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- CONTRACTOR SHALL WARRANT THAT THE IRRIGATION SYSTEM WILL BE FREE FROM DEFECTS IN THE MATERIALS AND WORKMANSHIP FOR ONE YEAR AFTER FINAL ACCEPTANCE OF PROJECT, AND SHALL REPLACE ANY DEFECTIVE MATERIAL OR REDO ANY WORK AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR IS TO VERIFY LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO PERFORMING ANY EXCAVATIONS. CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444 FOR UTILITY MARKING. CONTRACTOR IS TO REPAIR ANY DAMAGE CAUSED BY, OR DURING THE PERFORMANCE OF HIS WORK AT NO ADDITIONAL COST TO THE OWNER.
- PIPING LAYOUT IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS OR OUTSIDE PROPERTY LINE SHALL BE PLACED IN LANDSCAPE AREAS WITHIN THE PROJECT LIMITS, 24" FROM BACK OF CURB OR SIDEWALK, UNLESS OTHERWISE NOTED.
- CONTRACTOR IS RESPONSIBLE FOR CALLING THE PROJECT LANDSCAPE ARCHITECT FOR IRRIGATION INSTALLATION INSPECTIONS. THE CONTRACTOR SHALL CONTACT AUTHORIZED INSPECTOR 12 HOURS IN ADVANCE TO ARRANGE FOR INSPECTIONS. INSPECTIONS WILL NEED TO TAKE PLACE AT THE FOLLOWING POINTS DURING CONSTRUCTION:
 - IRRIGATION INSTALLATION (PRIOR TO BACKFILLING),
 - UPON INSTALLATION OF PLANTING,
 - PRE- MAINTENANCE PERIOD,
 - END OF MAINTENANCE PERIOD (FINAL INSPECTION)
- VALVE BOXES SHALL BE PLACED IN PLANTING AREAS AT FINISH GRADE. ALIGN VALVE BOX WITH ADJACENT PAVING EDGE, WITH 18" OFFSET FROM PAVING EDGE. VALVE BOX TO CONFORM WITH FINISH GRADE (NOT NECESSARILY LEVEL).
- CONTRACTOR SHALL USE SCHEDULE 40 ELECTRICAL PVC CONDUIT FOR CONTROL WIRES PASSING UNDER PAVING. NON-ELECTRICAL SCHEDULE 40 SLEEVES SHALL BE SIZED TWICE THE DIAMETER OF PIPE CARRIED. CONTRACTOR IS TO INSTALL LATERALS AND/OR MAIN TO BE SLEEVED AT THE SAME TIME. ALL SLEEVED LINES UNDER PAVING SHALL HAVE A MINIMUM DEPTH OF 24".
- FOR ALL LOCATIONS OF SLEEVES UNDER SIDEWALKS WITH SCHEDULE 40 SLEEVES, CONTRACTOR SHALL PRE-INSTALL LATERAL LINES AND/OR MAIN LINES WHICH ARE INDICATED ON PLAN AT TIME OF SLEEVE INSTALLATION. TEMPORARY CAPS TO BE PLACED ON ALL PRE-INSTALLED SLEEVES AND LINES.
- TRENCHING IS TO BE OF SUFFICIENT DEPTH TO PROVIDE A MINIMUM 18" OF COVER OVER IRRIGATION MAIN LINES AND CONTROL WIRE, AND 12" OF COVER OVER PVC LATERAL LINES. ALL SLEEVED LINES UNDER PAVING SHALL BE BURIED WITH A MINIMUM DEPTH OF 24" OF COVER.
- HAND DIG TRENCHES PASSING THROUGH TREE ROOT ZONES. ALL TREE ROOTS OVER 1" TO BE SAVED. ROOTS 1" OR SMALLER TO BE CLEAN CUT WITH SHARP, DISINFECTED PRUNING SHEARS. SEE TREE PRESERVATION CONSTRUCTION NOTES.
- FOR MAIN LINE INSTALLED IN PLANTERS THE CONTRACTOR IS TO INSTALL WARNING TAPE AND COPPER LOCATING WIRE ALONG THE ENTIRE LENGTH OF THE MAIN LINE (TYPICAL).
- AFTER PIPING IS INSTALLED, BEFORE SPRINKLER HEADS ARE INSTALLED AND BACKFILL COMMENCES, OPEN VALVES AND FLUSH SYSTEM WITH FULL HEAD OF WATER.
- AFTER REQUIRED TESTS AND INSPECTIONS, BACKFILL TRENCHES WITH CLEAN SOIL, FREE OF ROCKS AND RUBBISH. COMPACT TO 85% (95% UNDER PAVING) RELATIVE DENSITY. IF SETTLEMENT OCCURS, ADJUST PIPES, HEADS, VALVES AND SOIL TO PROPER LEVEL WITHOUT EXTRA COST TO OWNER.
- ALL WIRE SPLICES ARE TO BE MADE WITHIN A VALVE BOX. SPLICES ARE TO BE WIRE NUTTED, SEALED, AND WATER PROOF USING "3M-DBR/Y" SPLICE KITS.
- ALL COMPONENTS OF THE IRRIGATION SYSTEM SHALL BE INSTALLED AND ADJUSTED TO PROVIDE ADEQUATE COVERAGE AND AVOID RUNOFF ONTO THE PAVED AREAS.
- MAKE MINOR ADJUSTMENTS TO ANY PLANT WHERE CONFLICTS WITH UTILITIES OR CLEARANCES OCCURS. ADJUST IRRIGATION AS NEEDED TO PROVIDE ADEQUATE IRRIGATION.
- OPERATE IRRIGATION CONTROLLER BETWEEN THE HOURS OF 10:00 PM AND 7:00 AM.
- DURING 90 DAYS LANDSCAPE MAINTENANCE PERIOD MONITOR AND ADJUST IRRIGATION SYSTEM & CONTROLLER SCHEDULING AS NEEDED TO PROVIDE COMPLETE COVERAGE AND ENSURE THE HEALTH OF THE PLANT MATERIAL.
- CONTRACTOR TO REPAIR OR REPLACE ANY DEFECTS IN MATERIALS OR WORKMANSHIP AND ANY SETTLING OF TRENCHES, AT CONTRACTOR'S EXPENSE.
- CONTRACTOR TO PROVIDE OWNER WITH OPERATION MANUALS, PRODUCT SHEETS, TWO QUICK COUPLER KEYS AND AS-BUILT DRAWINGS.
- CONTRACTOR SHALL PROVIDE LANDSCAPE ARCHITECT WITH AN ACCURATE AS-BUILT SET OF DRAWINGS OF THE IRRIGATION SYSTEM PRIOR TO FINAL ACCEPTANCE OF THE WORK.
- ANY OVERHEAD SPRAY LOCATED ADJACENT TO AND DRAINING TO IMPERVIOUS SURFACING SHALL NOT BE LOCATED CLOSER THAN 2' TO ANY IMPERVIOUS SURFACING AND NO OVER SPRAY SHALL BE PERMITTED ON TO IMPERVIOUS SURFACES. SEE DETAIL #7 ON SHEET L06.
- DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCE IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL RESUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
- IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, ETC. HE SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, PAVING, STRUCTURES, ETC.
- DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, ETC., WHICH MAYBE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF HIS WORK AND PLAN HIS WORK ACCORDINGLY, FURNISHING SUCH AS FITTINGS, ETC., AS MAY BE REQUIRED TO MEET SUCH CONDITIONS. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. THEN WORK SHALL BE INSTALLED IN SUCH A MANNER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEMS, PLANTING, AND ARCHITECTURAL FEATURES.
- ELECTRICAL CONTRACTOR TO SUPPLY 120 VOLT A.C. (2.5 AMP) SERVICE TO CONTROLLER LOCATION. IRRIGATION CONTRACTOR TO MAKE FINAL CONNECTION FROM ELECTRICAL STUB-OUT TO CONTROLLER.



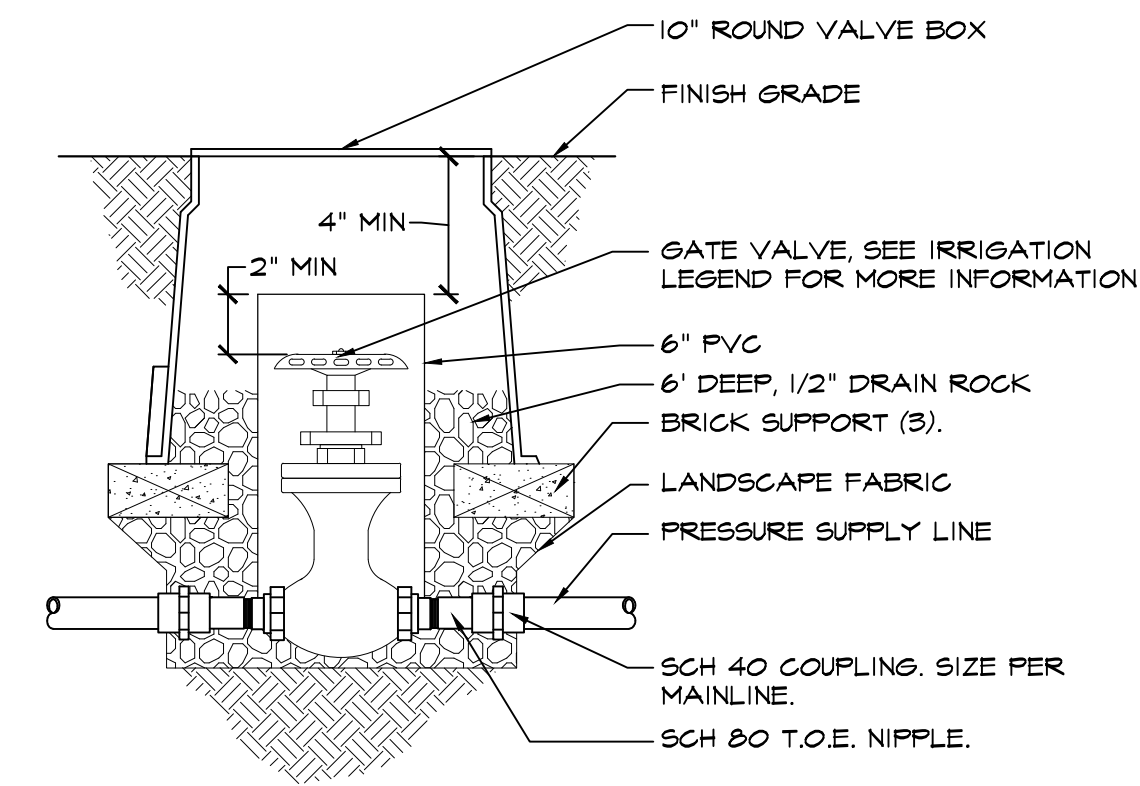
- NOTES:
- INSTALL ONE EMITTER PER TREE OR SHRUB.
 - EMITTER SHALL BE PLACED WITHIN SHRUB OR TREE ROOT ZONE AND A MINIMUM OF 3" AWAY FROM THE CENTER OF THE TRUNK.

1 SHRUB/TREE EMITTER ON FLEX HOSE
SECTION NOT TO SCALE

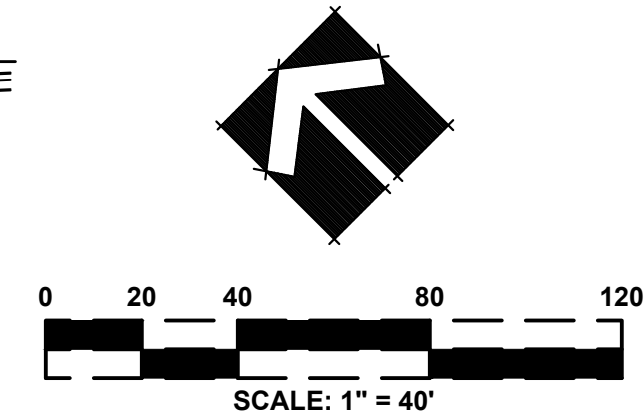


- NOTES:
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

2 DRIP CONTROL VALVE
SECTION NOT TO SCALE



3 GATE VALVE
SECTION NOT TO SCALE



DATE SIGNED: _____
THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE LANDSCAPE ARCHITECT'S SEAL BELOW HAS BEEN SIGNED AND DATED.

LICENSED LANDSCAPE ARCHITECT
MICHAEL G. ENGLISH #422
Signature: _____
7-31-18
Date: _____
State of California

CEMEX LAKE A LANDSCAPE IRRIGATION DETAILS

SHEET
IR21
OF
23
DATE: 05/14/18
JOB NO: 1606

CECWEST.COM
Project Planning ■ Civil Engineering ■ Landscape Architecture
■ Davis Office 2940 Spafford Street, Suite 200 Davis, CA 95618 (530) 758-2026
■ Sacramento Office 2120 20th Street, Suite Three Sacramento, CA 95818 (916) 455-2026

DESIGNED BY BK
DRAWN BY BK
CHECKED BY MGE
SCALE AS SHOWN

NO. DATE REVISIONS BY APPD.

TREES



WHITE ALDER



CALIFORNIA SYCAMORE



FREMONT COTTONWOOD



COAST LIVE OAK



VALLEY OAK



RED WILLOW



ARROYO WILLOW

SHRUBS



HOWARD McMINN MANZANITA



MULEFAT



BUTTONBUSH



WESTERN REDBUD



TOYON



COFFEEBERRY

SUB-SHRUBS



DWARF COYOTE BRUSH



CALIFORNIA FUCHSIA



STICKY MONKEY FLOWER



BLACK SAGE

GRASSES/REVEGATATION SEED MIX



DEER GRASS



BLANDO BROME



ZORRO FESCUE



CALIFORNIA POPPY



ROSE CLOVER

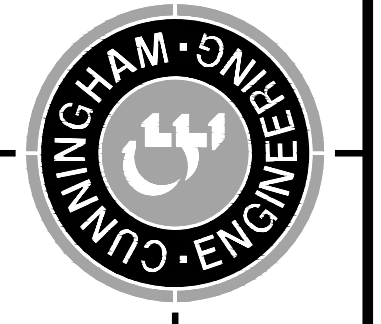


VALLEY LUPINE

DESIGNED BY	BK
DRAWN BY	BK
CHECKED BY	MGE
SCALE	AS SHOWN

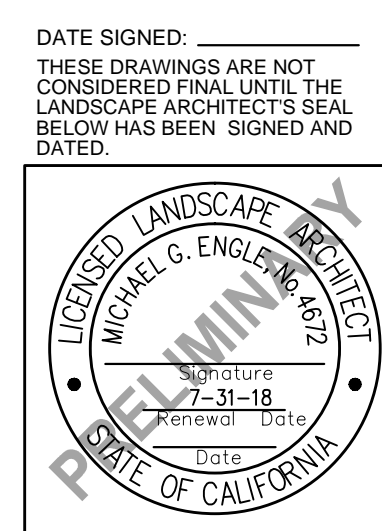
NO.	DATE	REVISIONS	BY	APPD.

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 Sacramento, CA 95818
 (916) 455-2026



CEMEX LAKE A
 PLANTING PALETTE IMAGES

ALAMEDA COUNTY
 CALIFORNIA



DATE SIGNED: _____
 THESE DRAWINGS ARE NOT
 CONSIDERED FINAL UNTIL THE
 LANDSCAPE ARCHITECT'S SEAL
 BELOW HAS BEEN SIGNED AND
 DATED.

SHEET
PI22
 OF
23
 DATE: 05/14/18
 JOB NO: 1606

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