

APPENDIX E

75% DESIGN PLANS

CITY OF FOLSOM, CALIFORNIA

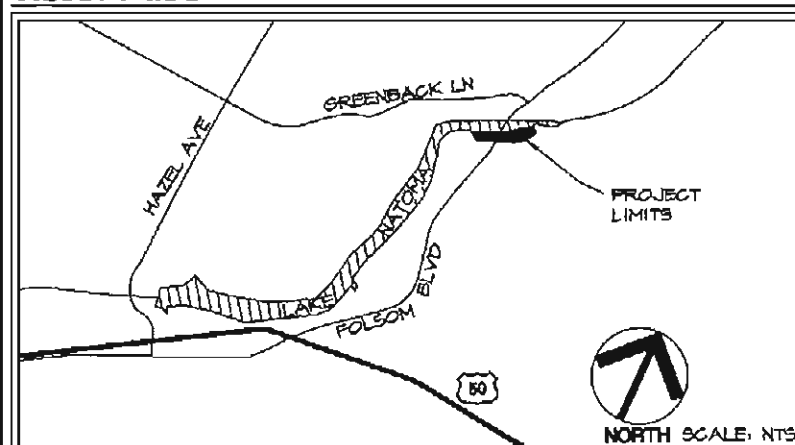
LAKE NATOMA WATERFRONT & TRAIL ACCESS

ENHANCEMENT PROJECT

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VICINITY MAP



PREPARED BY:

LANDSCAPE ARCHITECT

Callander Associates Landscape
Architecture, Inc.
11180 Sun Center Drive, Suite 104
Rancho Cordova, CA 95670
Phone: (916) 631-1312
Fax: (916) 633-4133
Plans including: Demolition, Grading &
Drainage, Site Construction, Construction
Details

SURVEYOR

Mark Thomas & Company, Inc.
1300 Folsom Boulevard, Suite 203
Sacramento, CA 95826
Phone: (916) 381-4100
Fax: (916) 381-4180

GEO-TECHNICAL ENGINEER

Youngdahl Consulting Group, Inc.
1234 Glenhaven Court
El Dorado Hills, CA 95762
Phone: (916) 933-0633
Fax: (916) 933-6482

LANDSCAPE ARCHITECT

City of Folsom, Park Planning
50 Natoma Street
Folsom, CA 95630
Phone: (916) 333-7249
Fax: (916) 351-5431
Plans including: Irrigation, Planting

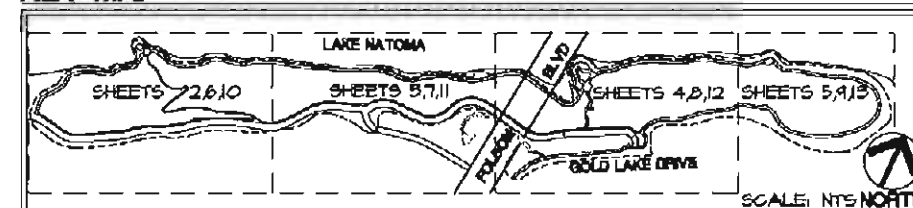
STRUCTURAL ENGINEER

Barrish Polham & Assoc., Inc.
3001 E Street
Sacramento, CA 95816
Phone: (916) 418-9100
Fax: (916) 418-9101

ELECTRICAL ENGINEER

Zelger Engineers, Inc.
475 3rd Street
Oakland, CA 94607
Phone: (510) 432-9391
Fax: (510) 432-0661

KEY MAP



BENCHMARK INFORMATION:

APPROVED BY:

CITY ENGINEER

DATE

PARKS AND RECREATION DIRECTOR

DATE

12/18/12

GENERAL NOTES

- DESIGN INTENT:** THESE DRAWINGS REPRESENT THE GENERAL DESIGN INTENT TO BE IMPLEMENTED ON THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LANDSCAPE ARCHITECT FOR ANY ADDITIONAL CLARIFICATION OR DETAILS NECESSARY TO ACCOMMODATE SITE CONDITIONS OR ARCHITECTURAL DETAILS.
 - CONTRACTOR COORDINATION:** EACH CONTRACTOR SHALL COORDINATE AND OTHERWISE INTEGRATE WORK WITH THAT OF OTHERS IN AN EFFICIENT AND TIMELY MANNER SO AS TO PROVIDE THE OWNER WITH A WELL-CONSTRUCTED, EASILY MAINTAINABLE PROJECT. EACH CONTRACTOR SHALL NOTIFY OTHERS AT LEAST TWO WORKING DAYS IN ADVANCE OF COVERING, COMPLETING, OR EXPOSING WORK TO BE INSTALLED BY OTHERS.
 - CONTRACTORS' JOB SITE CONDITIONS:** CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR SITE CONDITIONS DURING CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE LANDSCAPE ARCHITECT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE LANDSCAPE ARCHITECT.
 - COMPOSITE BASE SHEET:** THE PROPOSED IMPROVEMENTS SHOWN ON THESE DRAWINGS ARE SUPERIMPOSED ON A BASE SHEET. THIS BASE SHEET IS COMPILED FROM THE TOPOGRAPHIC SURVEY, OTHER ARCHITECTURAL AND/OR ENGINEERING DOCUMENTS, AND OTHER DATA AS MADE AVAILABLE TO THE LANDSCAPE ARCHITECT. THIS BASE SHEET INFORMATION IS SHOWN IN HALF TONE ON THE PLANS. THE LANDSCAPE ARCHITECT SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS, OR OTHER ERRORS ON THESE DOCUMENTS. THE COMPOSITE BASE SHEET IS PROVIDED AS AN AID ONLY AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS AND INCORPORATING/INTEGRATING ALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE SAME.
- THE BASE SHEET SOURCE FOR THESE DRAWINGS IS:
MARK THOMAS & COMPANY INC. PREPARED SURVEY
FILE NAME: FNT_TOPO
PHONE: (916) 381-9100
DATED: APRIL 2012
- UTILITIES:** PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED AND REQUESTING A VISUAL VERIFICATION OF THE LOCATIONS OF THEIR UNDERGROUND FACILITIES. THE UTILITY COMPANIES ARE MEMBERS OF THE UNDERGROUND SERVICE ALERT (USA) ON-CALL PROGRAM. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF THE USA 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER (800) 642-2444. EXCAVATION IS DEFINED AS BEING 18 OR MORE INCHES IN DEPTH BELOW THE EXISTING SURFACE.

THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATION, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. HOWEVER, THE CONSULTANT CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH ARE NOT SHOWN ON THESE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE TO EXISTING UTILITY LINES.

- TREE PROTECTION AND MAINTENANCE REQUIREMENTS:** ALL TRENCHING WITHIN THE DRIPLINE OF EXISTING TREES TO REMAIN SHALL BE BY HAND, WITH CARE TAKEN NOT TO CUT OR DAMAGE ROOTS OVER 1-INCH DIAMETER.



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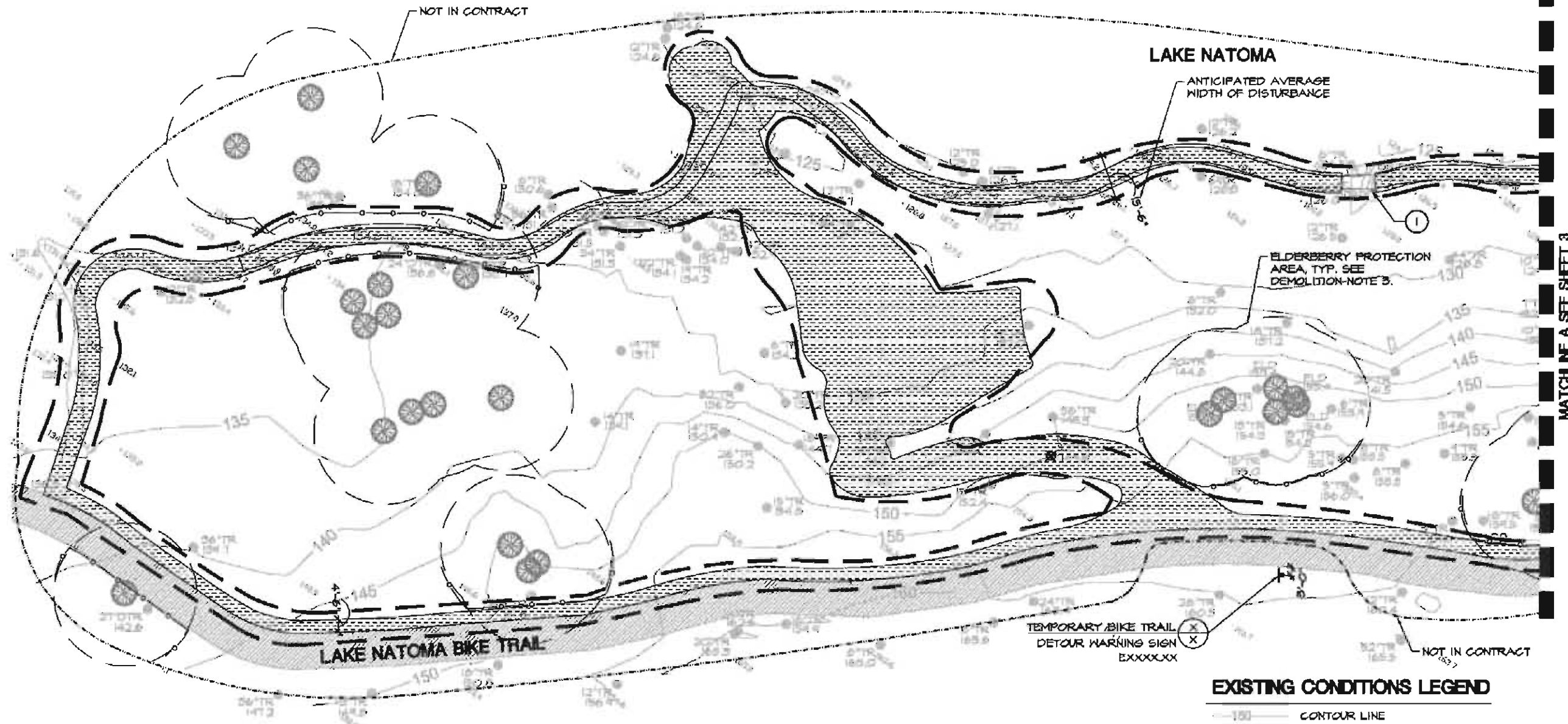
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COVER SHEET

LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT
CITY OF FOLSOM, CA

PROJECT LOCATION: LAKE NATOMA AT GOLD OAK DR & FOLSOM BLVD. FOLSOM, CA	PROJECT CONTACT: JANISSE BROWN CITY OF FOLSOM DEPARTMENT OF PARKS & RECREATION FOLSOM, CA MR. (916) 381-4100
DESIGNED: MR	DATE: 12/18/12
CHECKED: ES	CAL PROJECT #: 12.008
Sheet No. 1 of 33	



MATCHLINE A SEE SHEET 3

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DEMOLITION PLAN

LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT
CITY OF FOLSOM, CA

REVISION	DATE

PROJECT LOCATION: LAKE NATOMA AT GOLD OAK CIR & FOLSOM BLVD. FOLSOM, CA	
DESIGNED BY: MR	DATE: 12/11/12
CHECKED BY: ES	CAL PROJECT #: 12.008
Sheet No. 2 of 88	

DEMOLITION LEGEND

- LIMITS OF CLEARING AND GRUBBING
- REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT AND BASE ROCK, ASSUME 12" TOTAL DEPTH.
- REMOVE AND DISPOSE OF EXISTING DECOMPOSED GRANITE PAVEMENT, ASSUME 2" DEPTH
- REMOVE AND DISPOSE OF EXISTING CONCRETE STAIRS, CURBS, RAILING, AND BASE ROCK.
- SAWCUT PAVEMENT, PER SPECS
- TEMPORARY CONSTRUCTION FENCE, PER SPECS.
- TEMPORARY ELDERBERRY PROTECTION FENCE, PER SPECS.
- LIMIT OF WORK
- REMOVE AND DISPOSE OF TREE AND ASSOCIATED STUMP, PER SPECS. GRIND STUMP TO 2'-0" BELOW FINISH GRADE

DEMOLITION KEY

- ① REMOVE AND DISPOSE OF EXISTING PEDESTRIAN BRIDGE AND ASSOCIATED ABUTMENTS. CONTRACTOR IS RESPONSIBLE FOR REVIEWING SITE CONDITIONS PRIOR TO BIDDING.
- ② REMOVE AND DISPOSE OF EXISTING WOODEN STEPS AND ASSOCIATED WOOD RAILING.
- ③ REMOVE AND DISPOSE OF EXISTING CONCRETE STEPS, HANDRAIL, CHEEKWALL, AND ASSOCIATED FOOTINGS.
- ④ REMOVE GRAFFITI, SEE SPECS.
- ⑤ PROTECT CATCH BASIN IN PLACE. SEE GRADING PLANS FOR ELEVATION ADJUSTMENT.
- ⑥ REMOVE AND DISPOSE OF EXISTING BOLLARDS AND ASSOCIATED FOOTINGS.

DEMOLITION NOTES

- CLEAR AND GRUB:** CONTRACTOR SHALL CLEAR AND GRUB ALL EXISTING VEGETATION, UNLESS OTHERWISE INDICATED, AS REQUIRED FOR THE SITE CONSTRUCTION, IRRIGATION, AND PLANTING OPERATIONS. LIMITS OF CLEARING SHALL BE REVIEWED WITH CITY REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK. STRIP ALL ORGANIC MATTER TO A SUFFICIENT DEPTH TO COMPLETELY REMOVE SUCH MATERIAL.

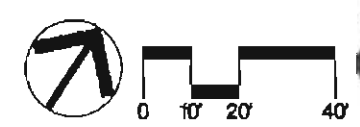
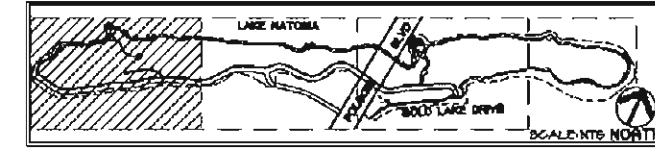
CONTRACTOR SHALL REVIEW DEMOLITION, AND CLEARING AND GRUBBING REQUIREMENTS ON SITE WITH CITY REPRESENTATIVE PRIOR TO COMMENCING DEMOLITION OPERATIONS.
- SAWCUTTING:** ALL PAVEMENT AND CURB REMOVAL AS SHOWN ON THE PLAN SHALL BE ACCOMPLISHED BY SAWCUTTING.

SAWCUTS SHALL BE NEAT AND CLEAN AND SHALL PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING FEATURES.
- ELDERBERRY PROTECTION AREA:** CONTRACTOR SHALL MAINTAIN 25 FT FENCED BUFFER AROUND ELDERBERRY BUSH AS SHOWN ON PLAN. PROVIDE TEMPORARY FENCING PER SPECIFICATIONS.

EXISTING CONDITIONS LEGEND

- CONTOUR LINE
- ELDERBERRY BUSH
- TREE, TO REMAIN. TRUNK DIAMETER AND SPOT ELEVATION GIVEN
- ASPHALT PAVING
- CURB
- CURB INLET
- BOLLARD

KEY MAP



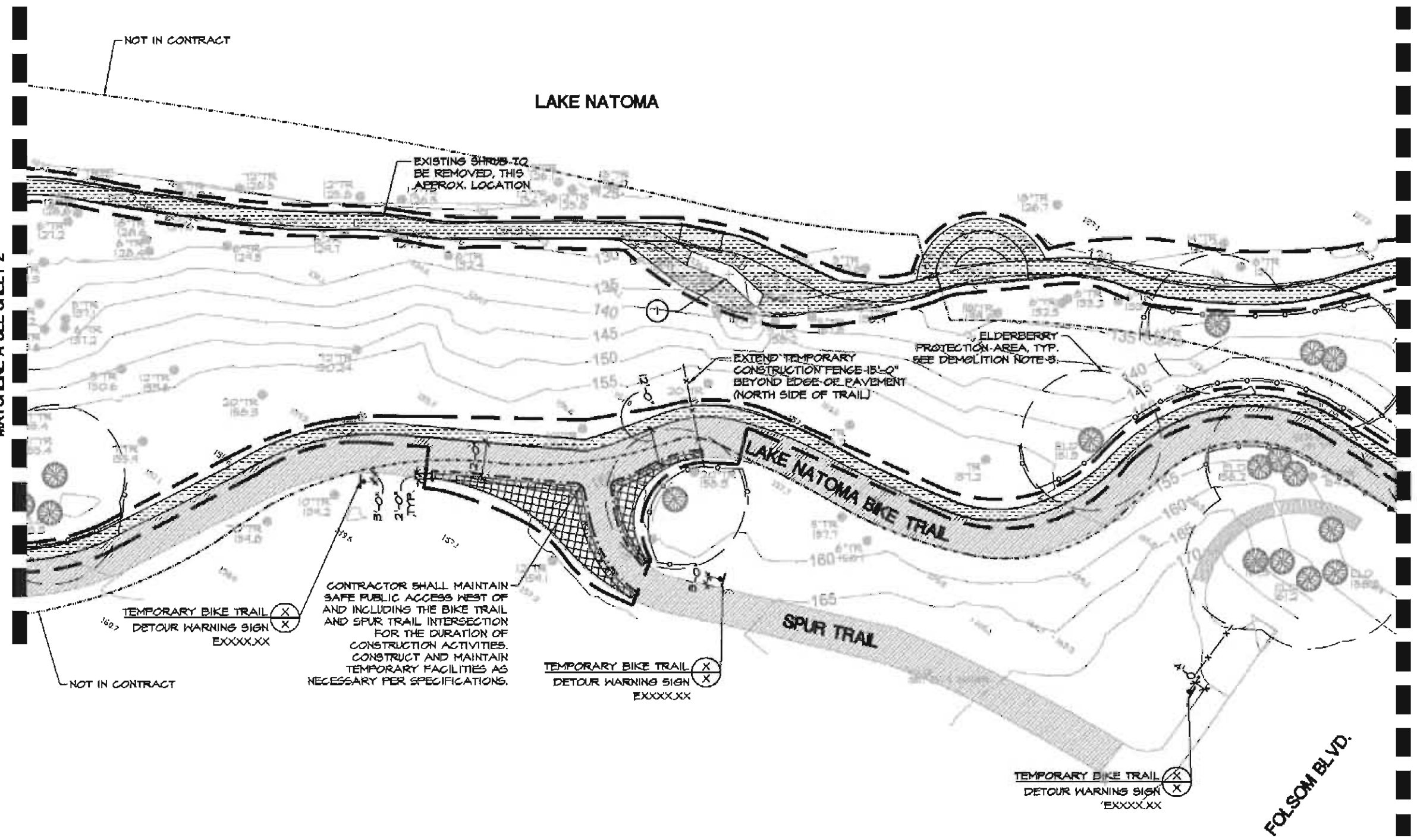
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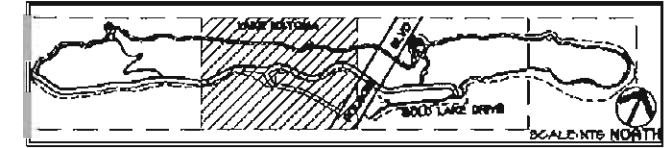
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MATCHLINE A SEE SHEET 2

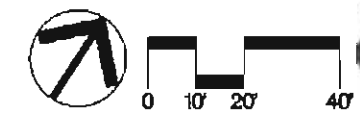


MATCHLINE B SEE SHEET 4

KEY MAP



SEE SHEET 2 FOR EXISTING CONDITIONS LEGEND AND DEMOLITION LEGEND AND NOTES





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DEMOLITION PLAN

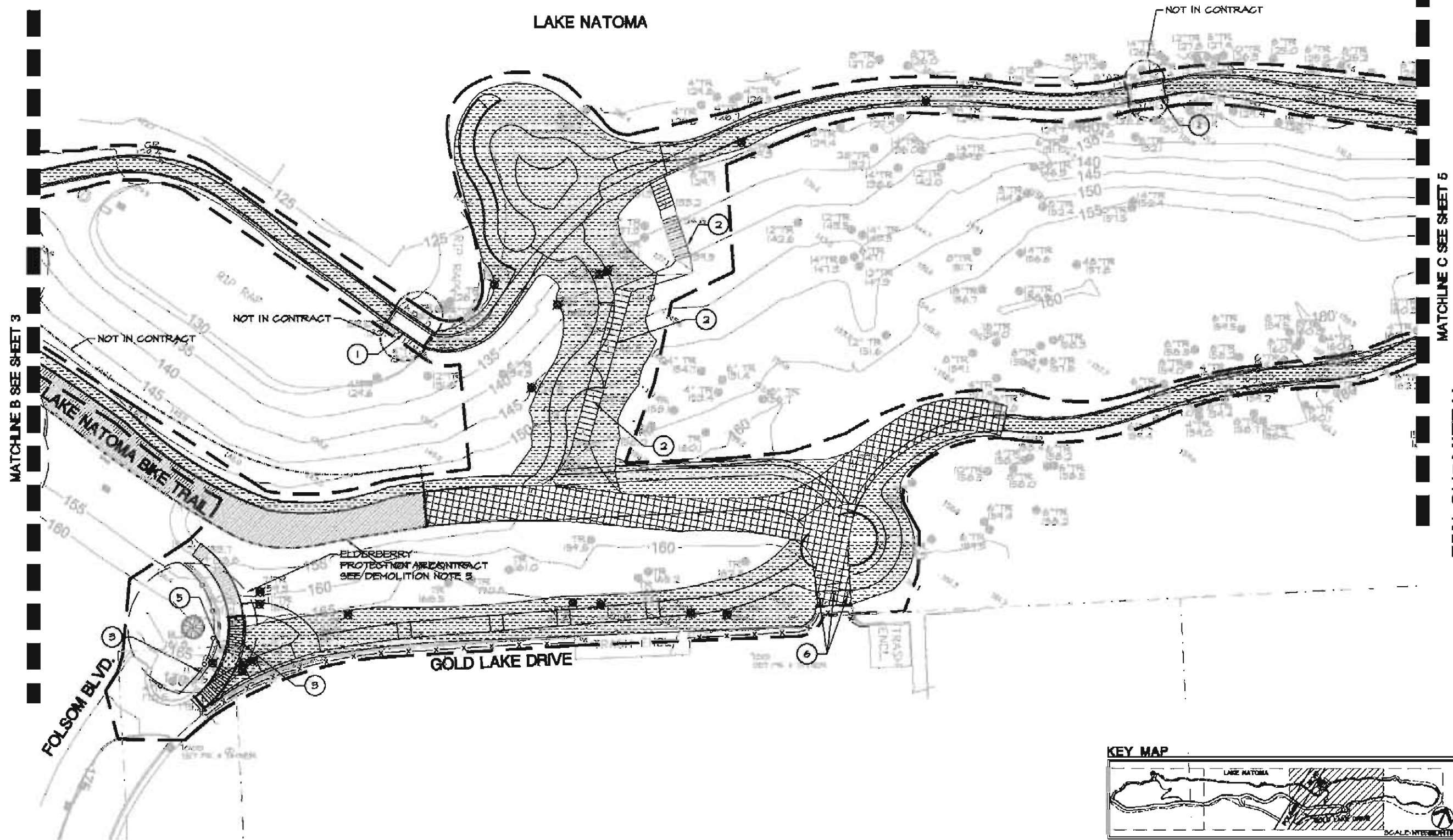
LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT
CITY OF FOLSOM, CA

REVISION	DATE



PROJECT LOCATION: LAKE NATOMA AT GOLD OAK CR & FOLSOM BLVD. FOLSOM, CA	
DESIGNED BY: MR	DATE: 12/11/12
CHECKED BY: ES	CAL PROJECT #: 12.000
SHEET NO. 3 of 38	

MATCHLINE B SEE SHEET 3



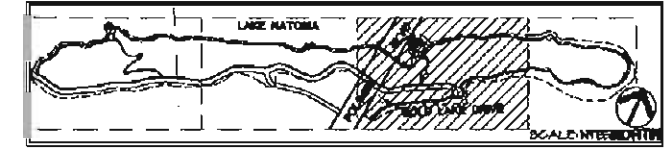
MATCHLINE C SEE SHEET 5

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SEE SHEET 2 FOR EXISTING CONDITIONS LEGEND AND DEMOLITION NOTES & LEGEND



KEY MAP





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DEMOLITION PLAN

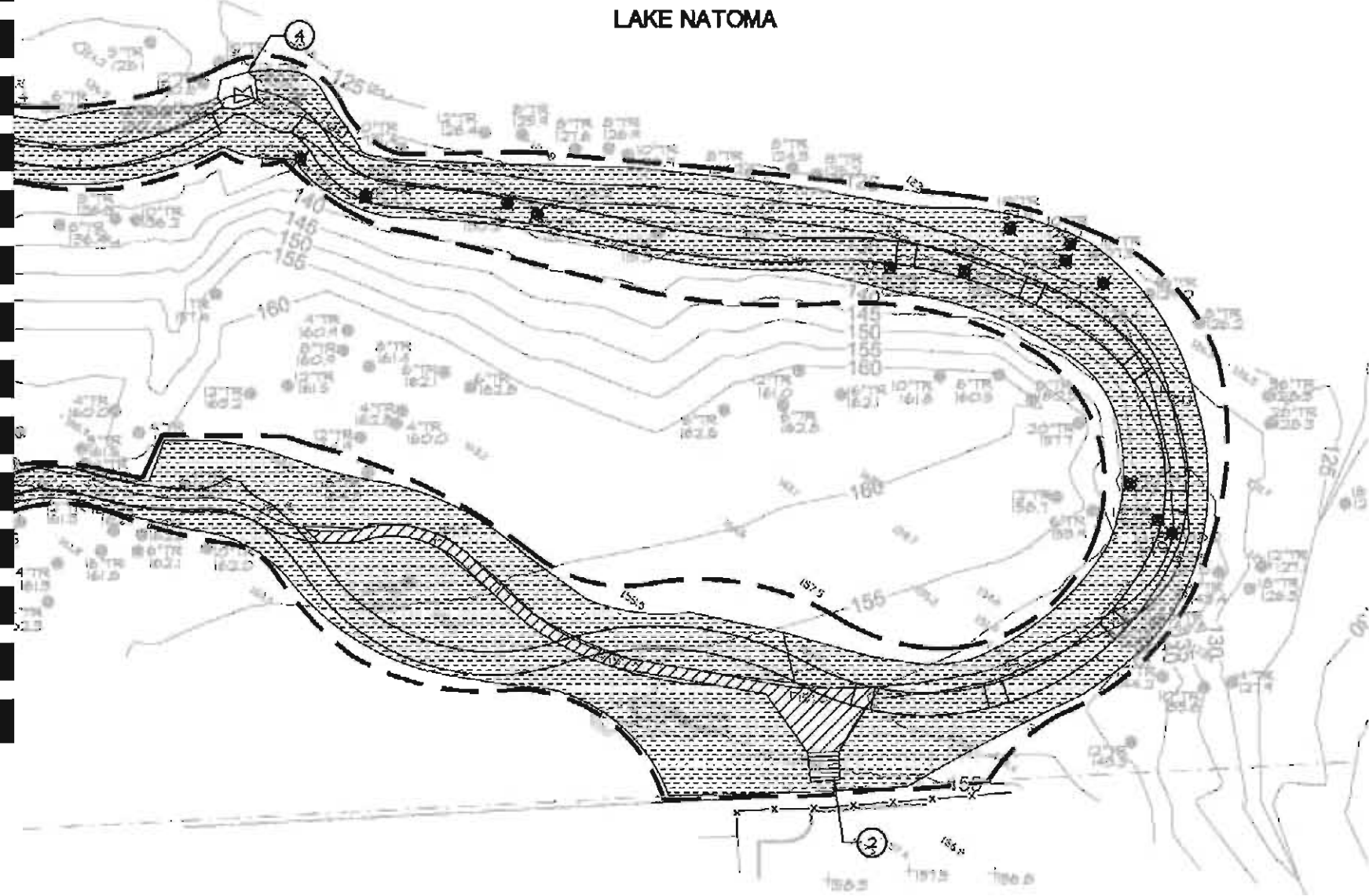
LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT
CITY OF FOLSOM, CA

PROJECT LOCATION: LAKE NATOMA AT GOLD OAK CR & FOLSOM BLVD. FOLSOM, CA	PROJECT OWNER: CITY OF FOLSOM DEPARTMENT OF PUBLIC WORKS FOLSOM, CA
DESIGNED BY: MR	CITY OF FOLSOM 12/11/12
CHECKED BY: ES	CITY OF FOLSOM 12/08
Sheet No. 4 of 38	

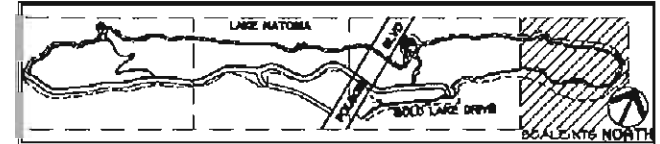


REVISION	DATE

MATCHLINE C SEE SHEET 4



KEY MAP



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DEMOLITION PLAN

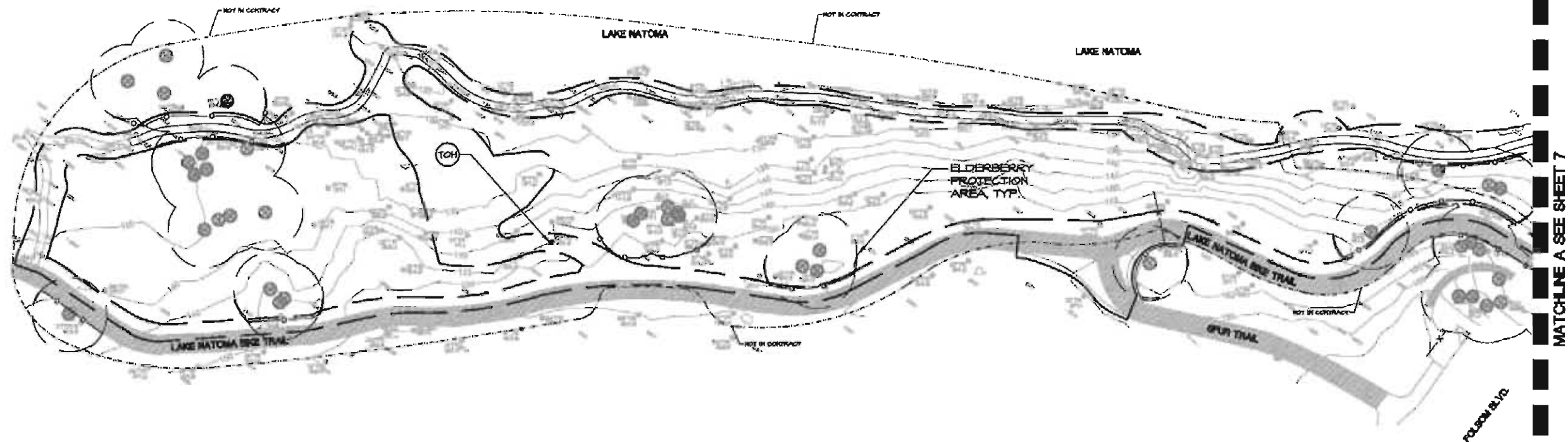
LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT
CITY OF FOLSOM, CA



PROJECT LOCATION: LAKE NATOMA AT GOLD OAK CR & FOLSOM BLVD. FOLSOM, CA	PROJECT CONTACT: JENNIFER CITY OF FOLSOM DEMOLITION PHASE 1 & 2 FOLSOM, CA ME 01/12/2012
---	---

DESIGNED: MR	DATE: 12/11/12
CHECKED: ES	CAL PROJECT #: 12.000

Sheet No.
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MATCHLINE A SEE SHEET 7

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TREE REMOVAL TABLE

TREE TAG NUMBER	SPECIES COMMON NAME	SIZE	REMARKS
TOH	TREE OF HEAVEN	N/A	TBR

TREE REMOVAL NOTES

- TREE IDENTIFICATION:** TREE CALLOUTS ON PLAN ARE FROM THE TREE INVENTORY AND ASSESSMENT REPORT FOR THE LAKE NATOMA WATERFRONT AND TRAIL ACCESS ENHANCEMENT PROJECT PREPARED BY ROBERT RITZMAN AND JIM KONOPKA ON AUG. 13, 2012.
- TREE PROTECTION:** PROTECT ALL EXISTING TREES TO REMAIN IN PLACE.
- TREE PRUNING:** CONTRACTOR SHALL PRUNE LOW LIMBS OVER TRAILS WITHIN THE LIMITS OF WORK TO PROVIDE A 10'-0" CLEARANCE. REVIEW LIMITS OF PRUNING WITH CITY REPRESENTATIVE AND CITY ARBORIST. TREE PRUNING SHALL BE PER THE INTERNATIONAL SOCIETY OF ARBORICULTURE STANDARDS AND AS RECOMMENDED BY THE CITY ARBORIST.

TREE REMOVAL LEGEND

- TEMPORARY ELDERBERRY PROTECTION FENCE, PER SPECS.
- LIMIT OF WORK
- REMOVE AND DISPOSE OF TREE AND ASSOCIATED STUMP, GRIND STUMP TO 2'-0" BELOW FINISH GRADE, REMOVE DEBRIS AND FILL WITH COMPACTED FILL TO 90% COMPACTION.
- TREE TAG NUMBER CALLOUT
- DBH DIAMETER BREAST HIGH

EXISTING CONDITIONS LEGEND

- ELDERBERRY BUSH
- TREE



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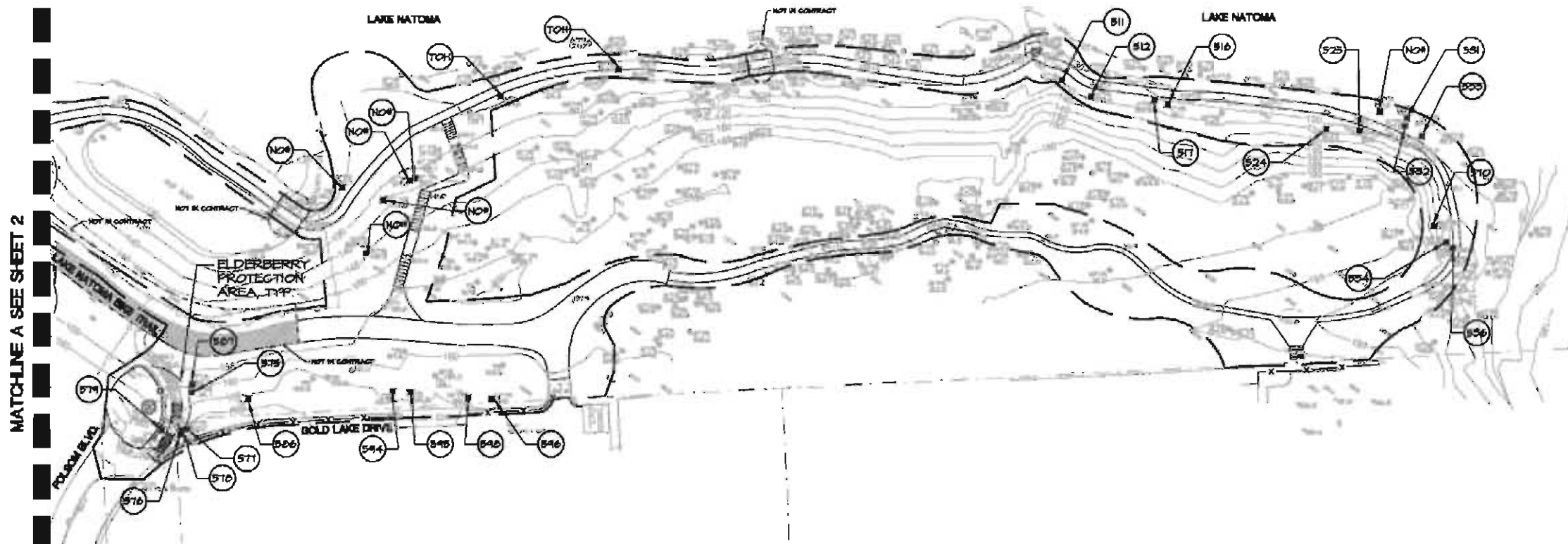
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TREE REMOVAL PLAN

LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT
CITY OF FOLSOM, CA

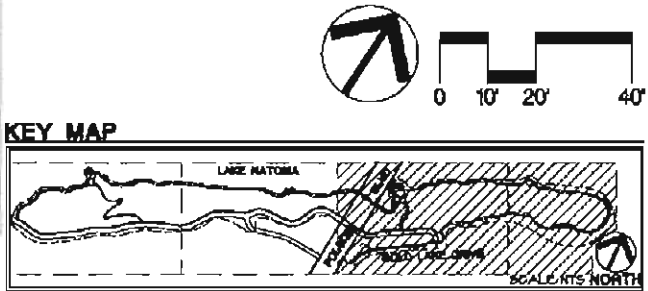
PROJECT LOCATION: LAKE NATOMA AT GOLD OAK CR & FOLSOM BLVD. FOLSOM, CA	PROJECT CONTACT: JANISSE CITY OF FOLSOM DEPARTMENT OF PUBLIC WORKS FOLSOM, CA MR. JIM KONOPKA, 916.351.1313
DESIGNED: MR	DATE: 12/10/12
CHECKED: ES	CAL PROJECT #: 12.000
Sheet No. 6 of 88	

REVISIONS	DATE
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



TREE REMOVAL TABLE

TREE #	SPECIES COMMON NAME	SIZE (DBH IN INCHES)	REMARKS	TREE #	SPECIES COMMON NAME	SIZE (DBH IN INCHES)	REMARKS
511	TREE OF HEAVEN	10.7	TBR	570	LIVE OAK	3, 1, 4	TBR
512	VALLEY OAK	5.7	TBR	575	TREE OF HEAVEN	7, 6	TBR
516	LIVE OAK	4	TBR	576	TREE OF HEAVEN	6, 3.1	TBR
517	LIVE OAK	4.5	TBR	577	TREE OF HEAVEN	7	TBR
522	LIVE OAK	15.1, 8.2, 9.1	REMOVE DEADWOOD	578	TREE OF HEAVEN	6, 6, 7	TBR
524	TREE OF HEAVEN	N/A	TBR	579	TREE OF HEAVEN	3.5, 10	TBR
525	GREY PINE	16	TBR	586	TREE OF HEAVEN	4, 6, 8, 10	TBR
NO*	LIVE OAK	10	TBR	587	TREE OF HEAVEN	3, 1, 2	TBR
531	VALLEY OAK	6	TBR	544	GREY PINE	15.3	TBR
532	LIVE OAK	10.5, 7	TBR	545	GREY PINE	14.2	TBR
533	ALDER	18.2, 17.1	TBR	546	TREE OF HEAVEN	10.7, 3.5	TBR
534	LIVE OAK	2.5, 2	TBR	548	GREY PINE	15.8	TBR
536	LIVE OAK	7, 7.5, 4	TBR	549	TREE OF HEAVEN	N/A	TBR
				NO*	NO INFO	N/A	TBR





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SEE SHEET 6 FOR TREE REMOVAL NOTES AND LEGEND

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TREE REMOVAL PLAN

LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT
CITY OF FOLSOM, CA



REVISIONS
DATE
DESCRIPTION

PROJECT LOCATION:
LAKE NATOMA AT GOLD OAK CR
& FOLSOM BLVD.
FOLSOM, CA

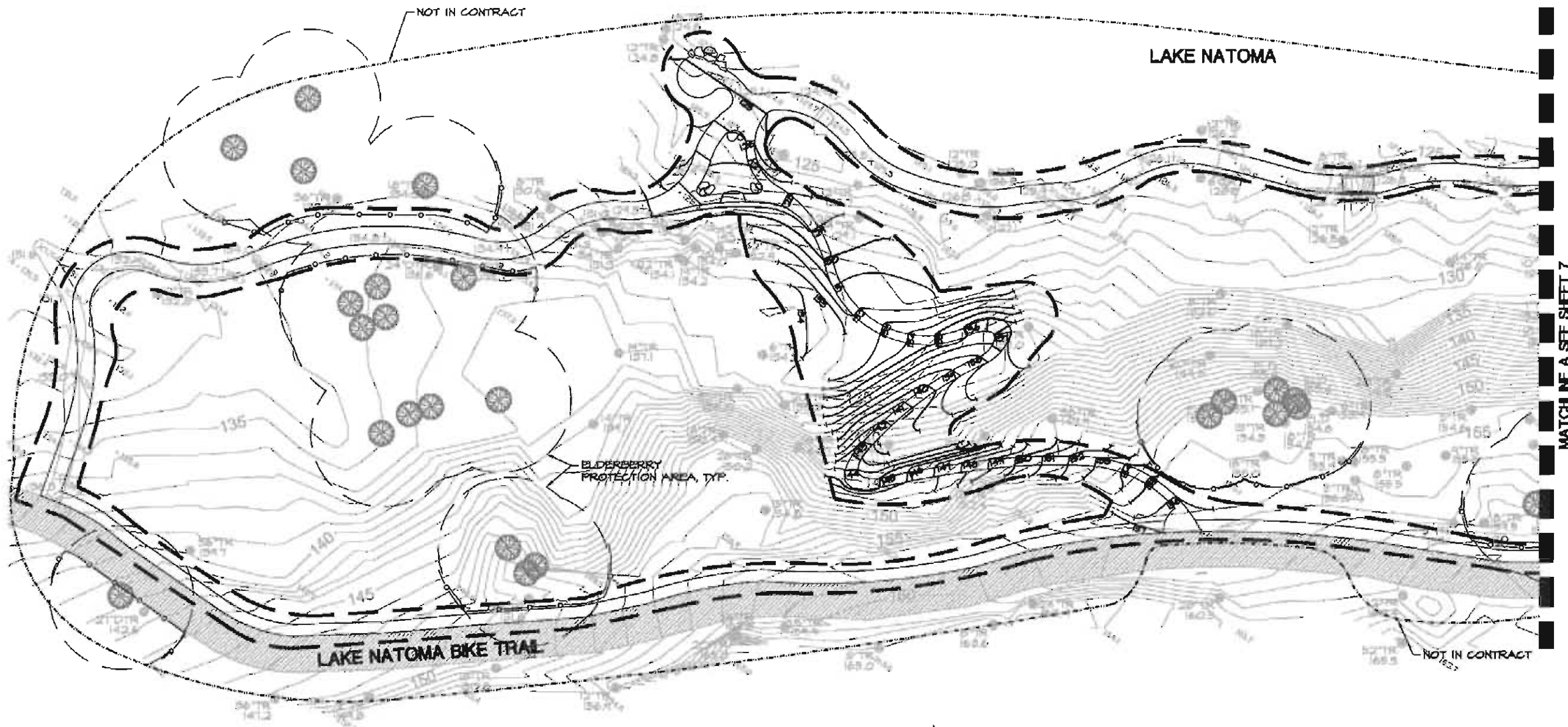
DESIGNED BY:
MR

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ES

DATE:
12/11/12

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GRADING LEGEND

- PROPOSED CONTOUR, 1'-0" INTERVAL TYP.
- FLUSH CONDITION
- SPOT ELEVATION
- LIMIT OF WORK

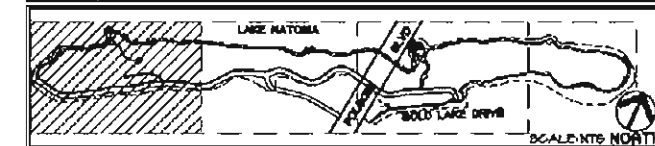
ABBREVIATIONS

- | | |
|-----------------------|------------------|
| HP - HIGH POINT | LP - LOW POINT |
| BC - BOTTOM OF CURB | TC - TOP OF CURB |
| BW - BOTTOM OF WALL | TW - TOP OF WALL |
| BS - BOTTOM OF STEP | TS - TOP OF STEP |
| FS - FINISHED SURFACE | |

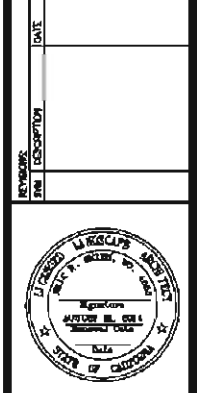
GRADING NOTES

- GRADING AND DRAINAGE:** ALL PROPOSED PAVING, CURBS, WALLS, AND PLANTING AREAS SHALL SMOOTHLY CONFORM TO EXISTING ADJACENT FEATURES TO REMAIN. PROVIDE POSITIVE DRAINAGE ON ALL PAVING AND THROUGHOUT ALL PLANTING AREAS. CONTRACTOR SHALL FLOOD PAVED AREAS UPON COMPLETION AND RECONSTRUCT ANY LOW SPOTS AS DIRECTED.
- BACKFILL:** EXCAVATED MATERIAL NOT SUITABLE FOR BACKFILLING SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE.
- EROSION CONTROL:** CONTRACTOR SHALL PROVIDE JUTE NETTING ON ALL SLOPES 3:1 OR STEEPER PRIOR TO SUBSTANTIAL COMPLETION REVIEW (UNLESS NOTED TO BE PROTECTED OTHERWISE).
- GRADING:** CONTRACTOR SHALL PERFORM ALL EARTHWORK AND GRADING PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

KEY MAP

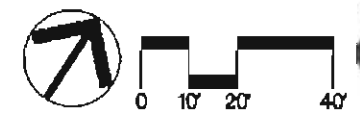
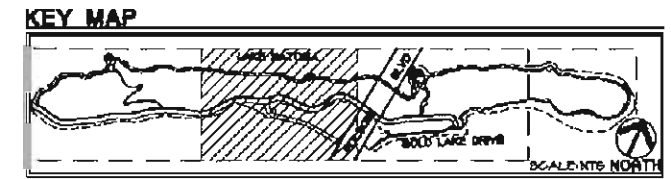
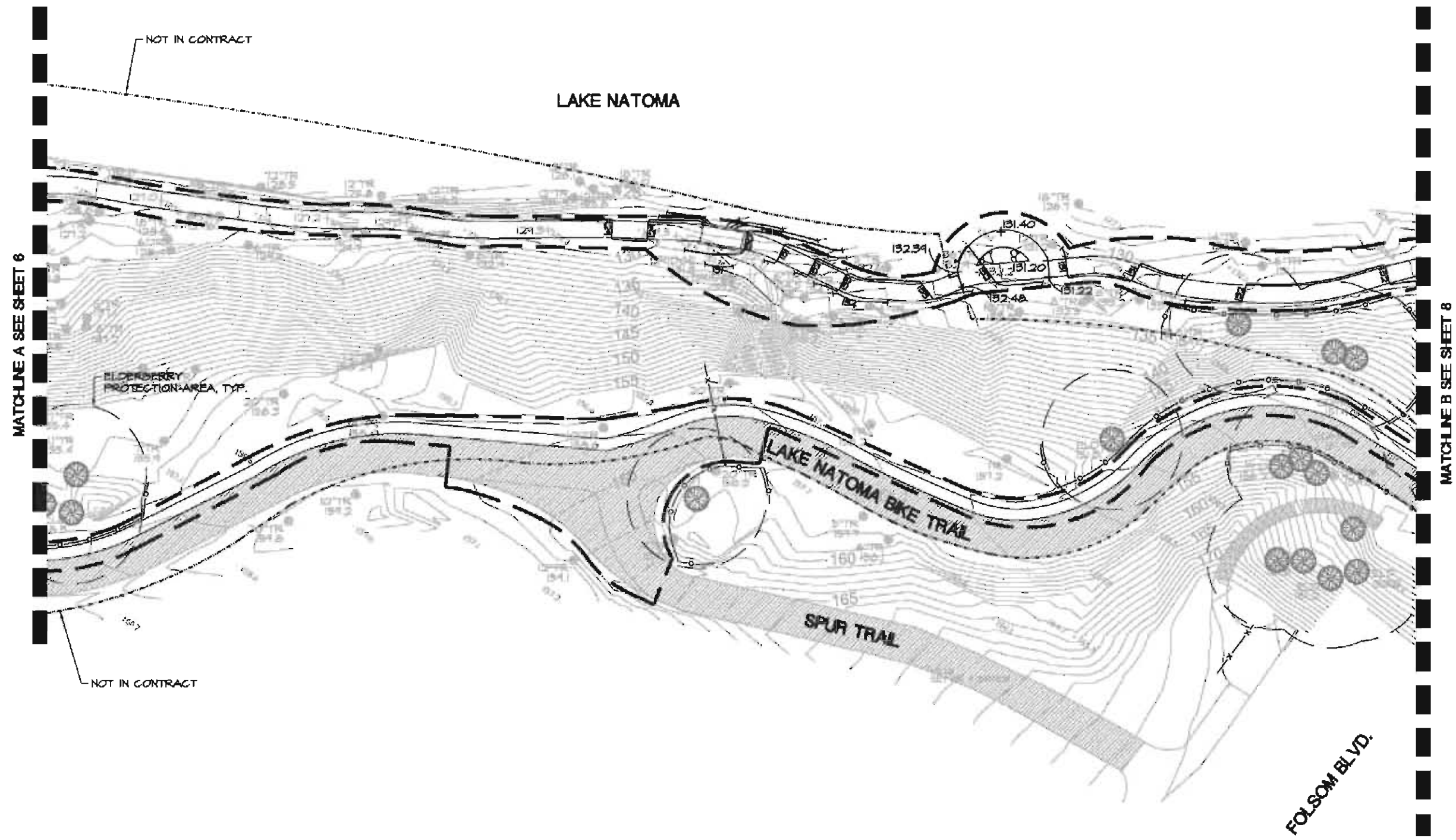


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CITY OF FOLSOM, CA

PROJECT LOCATION: LAKE NATOMA AT GOLD OAK CR & FOLSOM BLVD. FOLSOM, CA	PROJECT OWNER: CITY OF FOLSOM DEPARTMENT OF PUBLIC WORKS FOLSOM, CA
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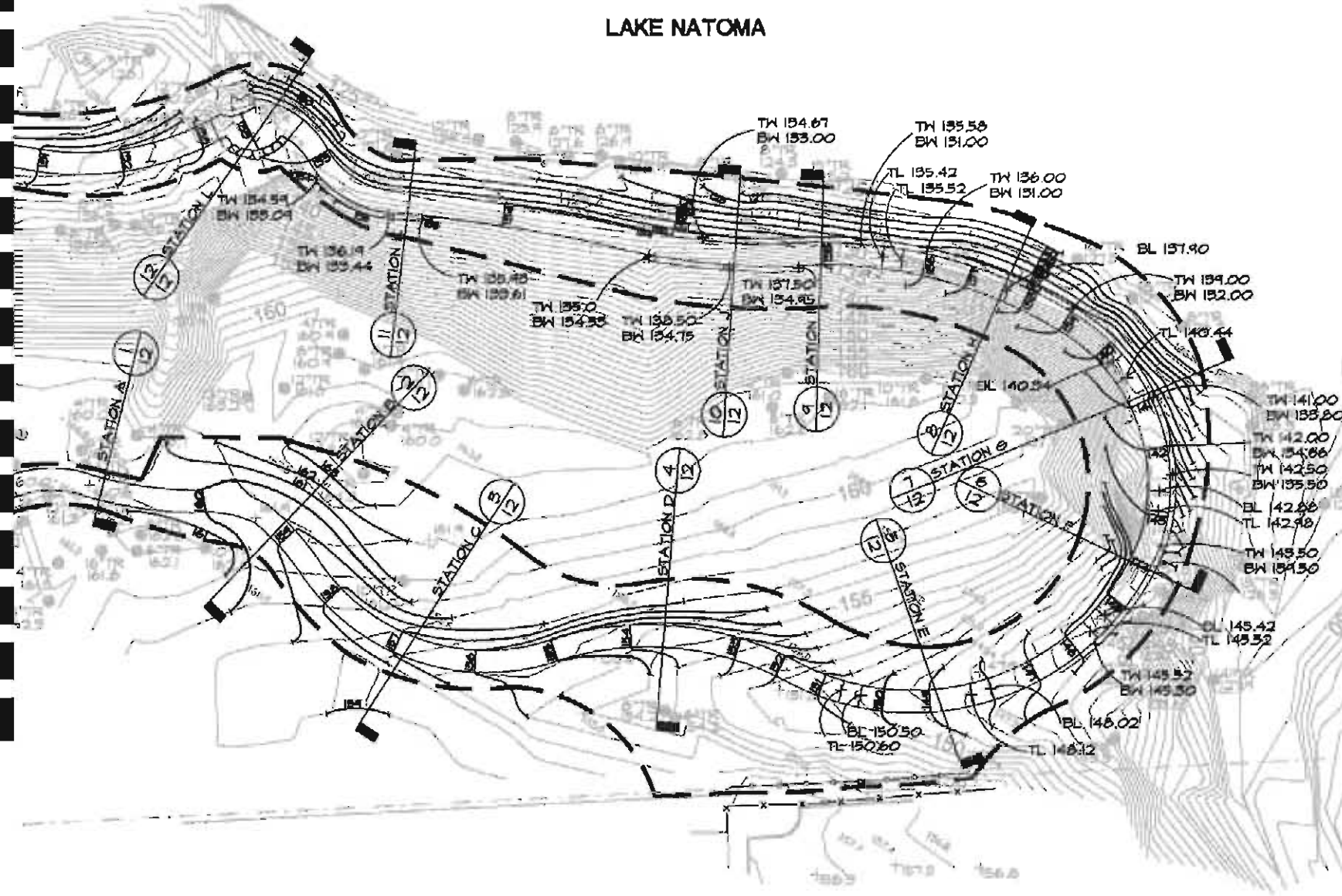


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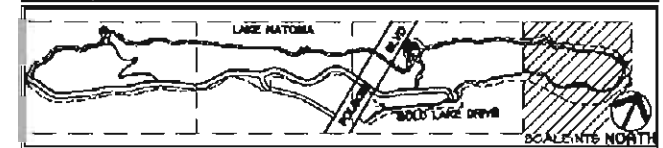
SEE SHEET 6 FOR GRADING & DRAINAGE NOTES & LEGEND

GRADING PLAN LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT CITY OF FOLSOM, CA	
PROJECT LOCATION: LAKE NATOMA AT GOLD OAK CR & FOLSOM BLVD. FOLSOM, CA	PROJECT OWNER: CITY OF FOLSOM DEPARTMENT OF PARKS & RECREATION FOLSOM, CA DATE: 12/11/12
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Sheet No. 9 of 38	

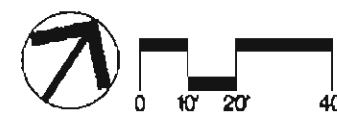
MATCHLINE C SEE SHEET 8



KEY MAP



SEE SHEET 6 FOR GRADING & DRAINAGE NOTES & LEGEND



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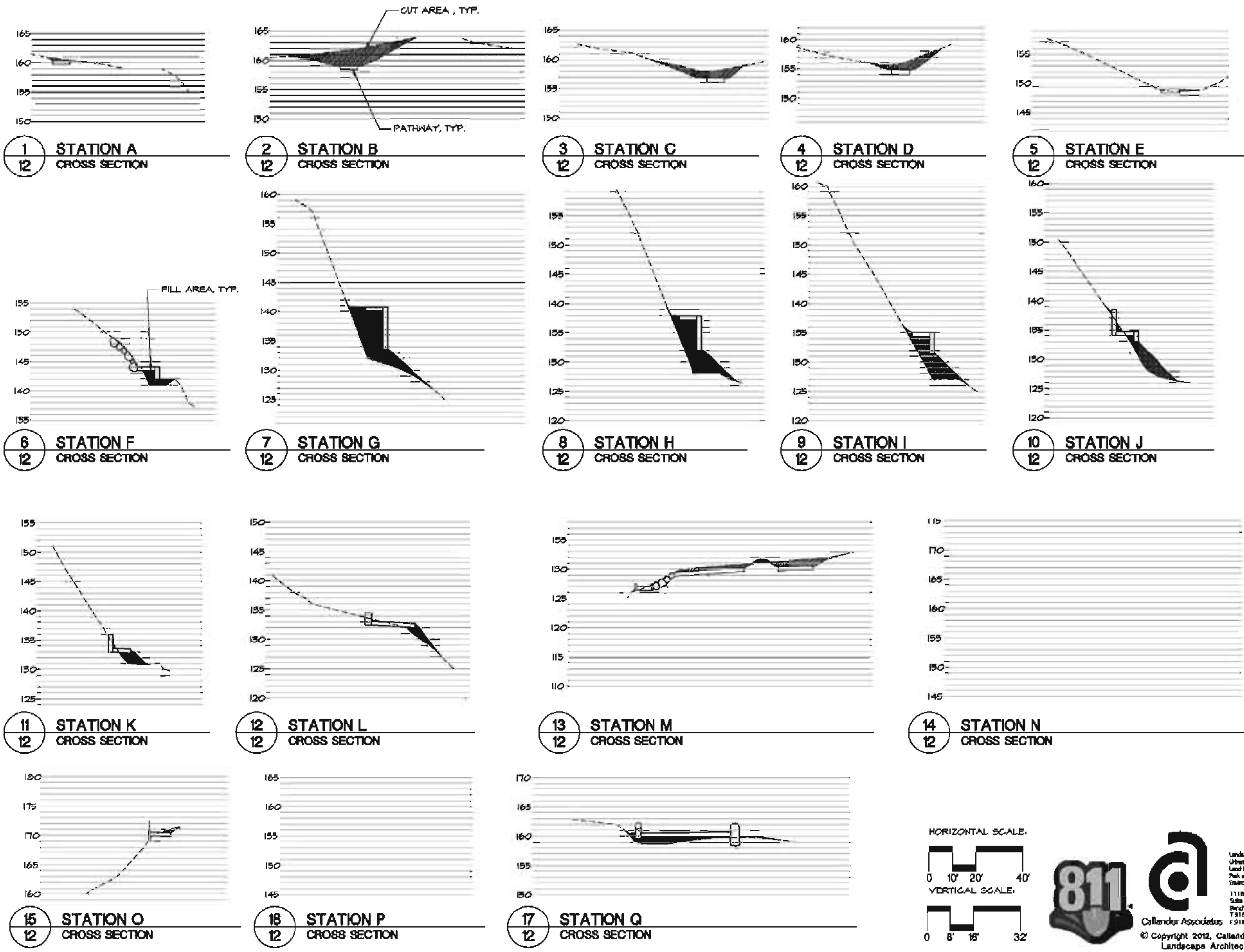
GRADING PLAN

LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT

CITY OF FOLSOM, CA



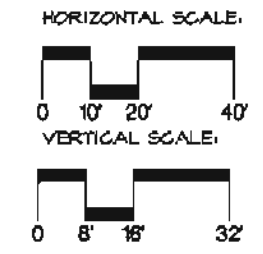
PROJECT LOCATION: LAKE NATOMA AT GOLD OAK CR & FOLSOM BLVD. FOLSOM, CA	PROJECT OWNER: CITY OF FOLSOM DEPARTMENT OF PUBLIC WORKS FOLSOM, CA
DESIGNED BY: MR	CITY OF FOLSOM
CHECKED BY: ES	CITY OF FOLSOM
DATE: 12/11/12	CITY OF FOLSOM
CITY PROJECT #: 12.000	CITY OF FOLSOM
Sheet No. 11	of 38



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GRADING PLAN

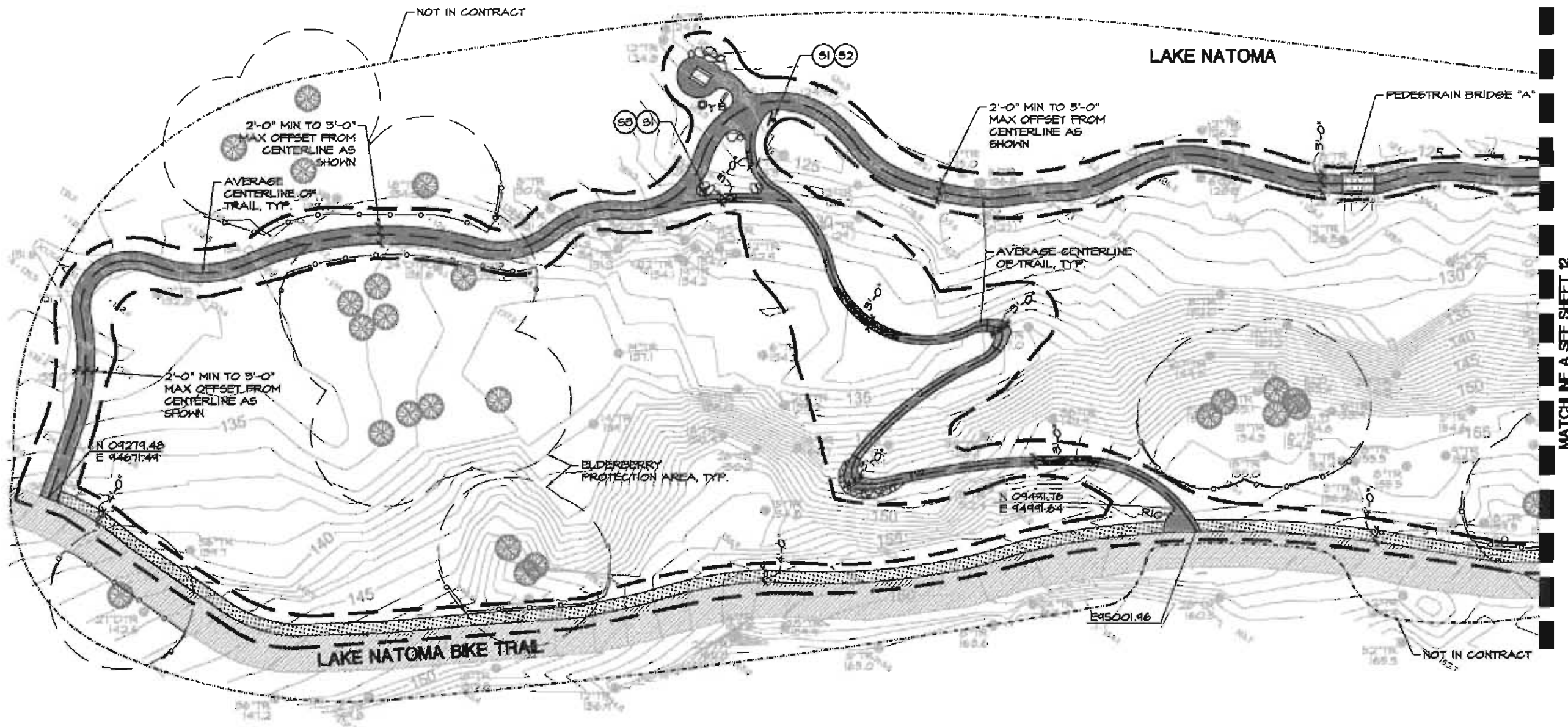
LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT
CITY OF FOLSOM, CA



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PROJECT NO.: 12009	SHEET NO.: 12
OF 33	



MATCHLINE A SEE SHEET 2

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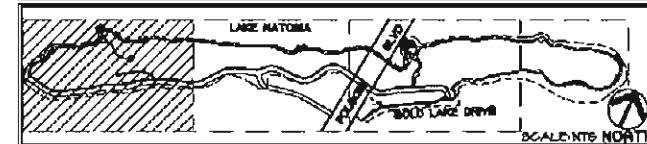
SITE CONSTRUCTION LEGEND

	COLORLED CONCRETE PAVEMENT WITH LEAF IMPRINTS		TRASH/RECYCLING RECEPTACLE, PER SPECS
	UNIT PAVERS		BOLLARD, PER SPECS
	EMBANKMENT PROTECTION		BIKE RACK, PER SPECS
	STAIR/ADA RAMP LANDINGS WITH MAX 2% SLOPE		KAYAK RACK, PER SPECS
	ASPHALT PAVEMENT		SIGN
	AGGREGATE PAVEMENT		BOULDERS, CONTRACTOR SHALL INSTALL 10 TONS ON LOCATIONS PER PLAN AND AS DIRECTED BY CITY REPRESENTATIVE.
	DECOMPOSED GRANITE PAVEMENT		SPLIT RAIL FENCE
	HANDRAIL / GUARDRAIL		SIGN KEY NUMBER
	PICNIC TABLE, PER SPECS		ALIGN
	BENCH, PER SPECS		

SITE CONSTRUCTION NOTES

- DIMENSIONS:** ALL WRITTEN DIMENSIONS SUPERSEDE SCALED DIMENSIONS.
- EXPANSION JOINTS:** INSTALL EXPANSION JOINTS AS SHOWN ON DRAWINGS, AS WELL AS BETWEEN CONCRETE FLATWORK AND WALLS, CURBS, AND EXISTING FLATWORK OR STRUCTURES.
- SLEEVING:** REFER TO IRRIGATION PLAN FOR REQUIREMENTS OF SLEEVING UNDER PAVEMENT.
- PROJECT STAKING:** ALL PROPOSED SITE FEATURES SHALL BE STAKED IN FIELD FOR REVIEW BY THE CITY INSPECTOR PRIOR TO CONSTRUCTION. ALL CURVES SHALL BE SMOOTH AND CONTINUOUS WITH CAREFULLY MATCHED TANGENTS.
- HORIZONTAL CONTROL POINTS:** ELEVATIONS ARE NGVD-29 BASED ON CITY OF FOLSOM BENCHMARK U15-21 HAVING AN ELEVATION OF 217.82'. HORIZONTAL DATUM IS CGS83 (GCRS96) EPOCH 2002.00 BASED ON NSS CORS STATIONS

KEY MAP



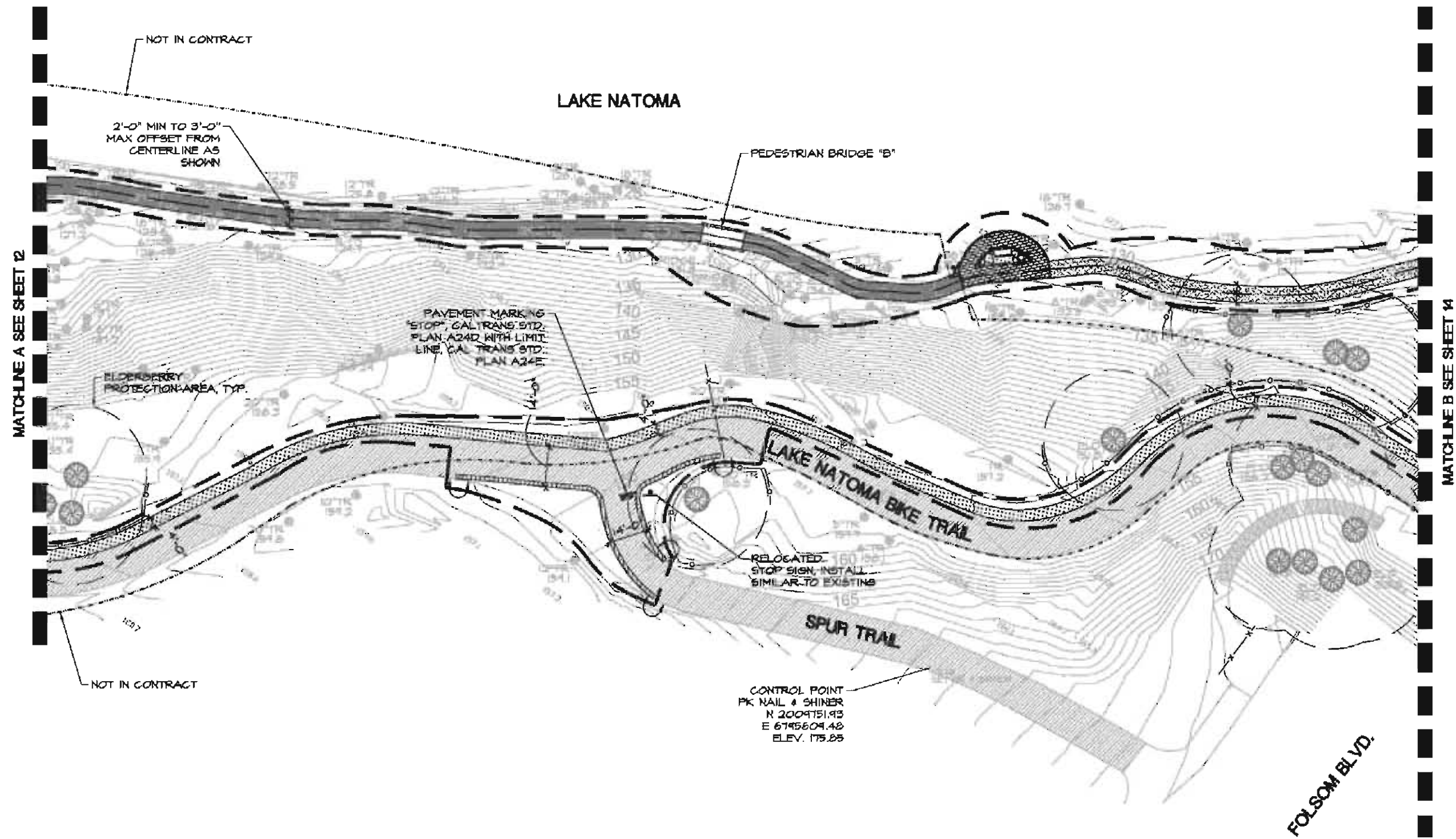
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SITE CONSTRUCTION PLAN

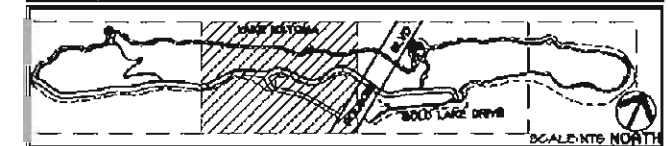
LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT
CITY OF FOLSOM, CA

PROJECT LOCATION: LAKE NATOMA AT GOLD OAK CR & FOLSOM BLVD. FOLSOM, CA	PROJECT CONTACT: JAMES HARRIS CITY OF FOLSOM DEPARTMENT OF PARKS & RECREATION FOLSOM WATERFRONT 11180 SUN CENTER DRIVE SUITE 104 RENO, CA 95670
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of	88

MATCHLINE A SEE SHEET 12



KEY MAP



0 10' 20' 40'



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SITE CONSTRUCTION PLAN

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CITY OF FOLSOM, CA

REVISION	DATE

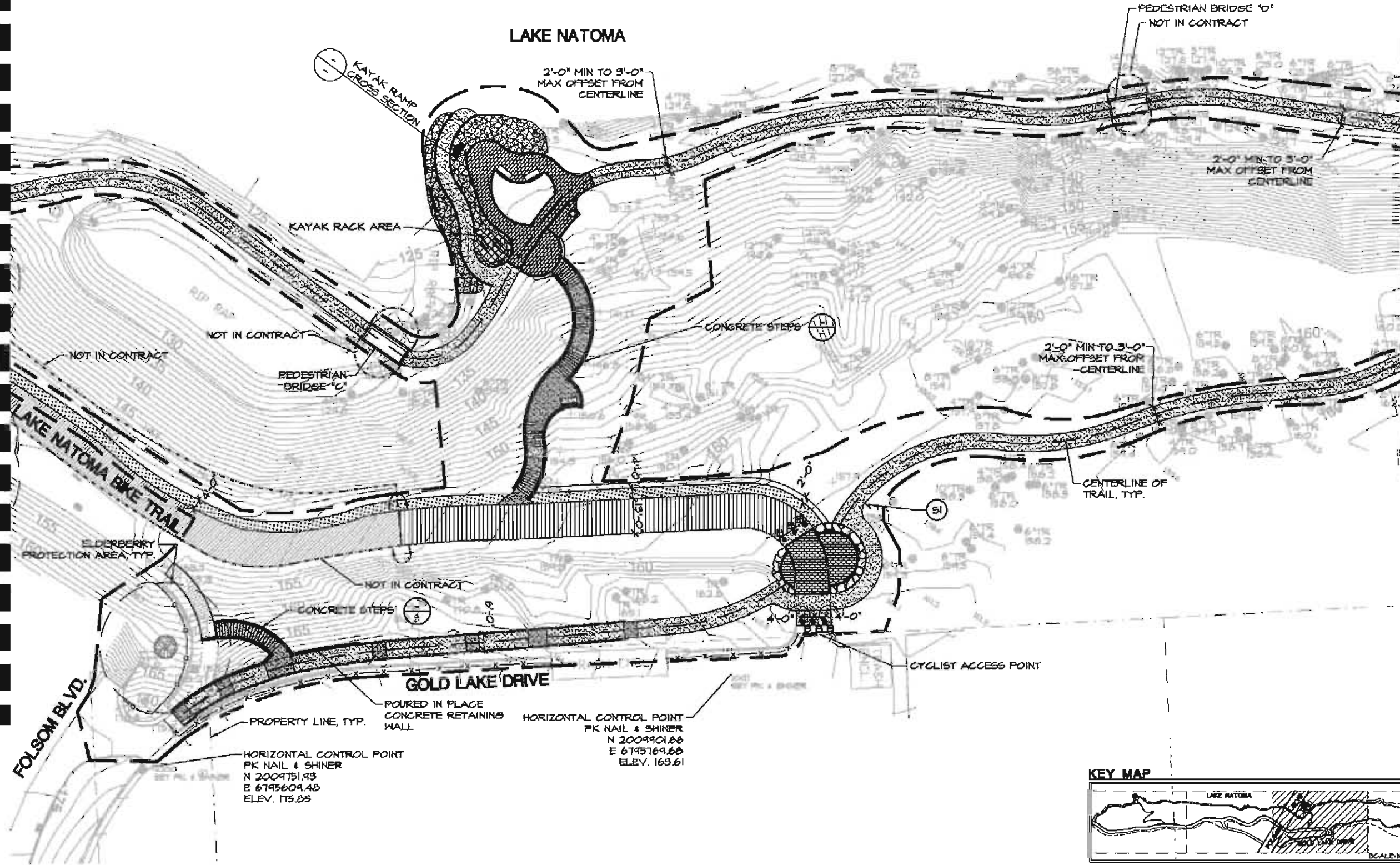


PROJECT LOCATION: LAKE NATOMA AT GOLD OAK CR & FOLSOM BLVD. FOLSOM, CA	PROJECT OWNER: CITY OF FOLSOM DEPARTMENT OF PUBLIC WORKS FOLSOM, CA DATE: 12/11/12
---	--

DESIGNED: MR	CHECKED: ES
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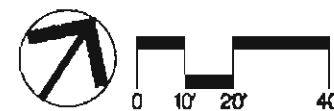
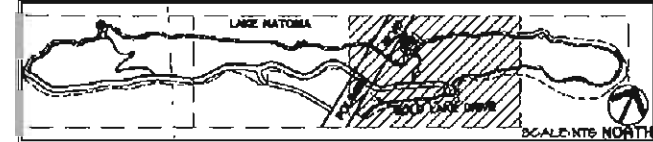
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MATCHLINE B SEE SHEET 11



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SITE CONSTRUCTION PLAN

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CITY OF FOLSOM, CA

PROJECT LOCATION:
LAKE NATOMA AT GOLD OAK CR
& FOLSOM BLVD.
FOLSOM, CA

DESIGNED:
MR

CHECKED:
ES

PROJECT CONTACT:
JANETTE
CITY OF FOLSOM
DEPARTMENT OF PARKS & RECREATION
FOLSOM, CA
MR. (916) 251-3114 ext. 35-207

DATE:
12/8/12

CAL PROJECT #:
12.000

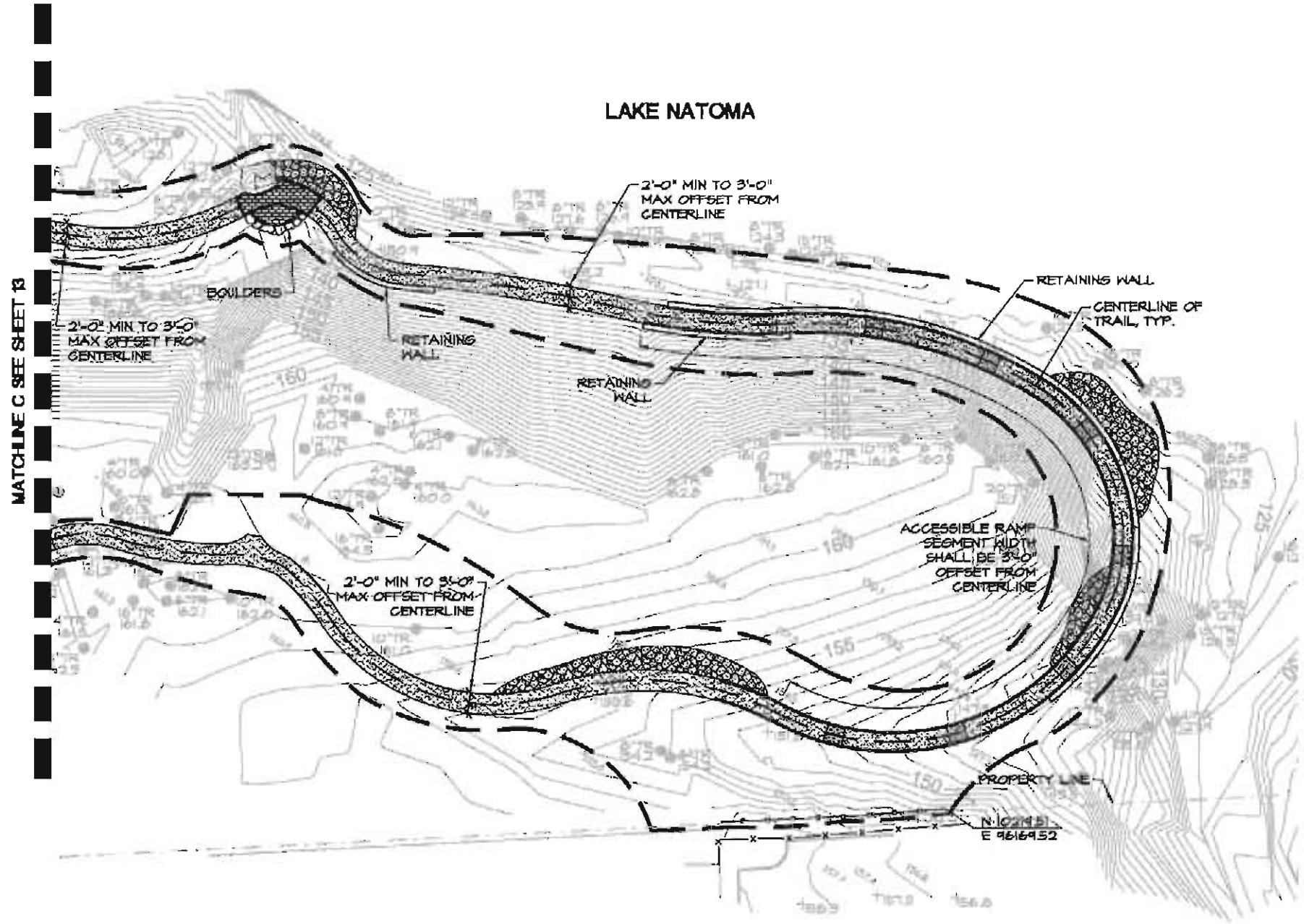
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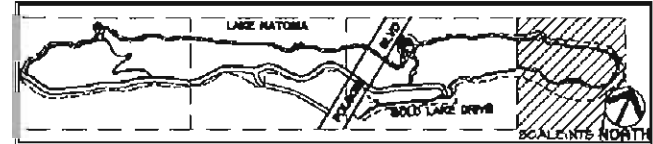
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REVISIONS
DATE
DESCRIPTION





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SITE CONSTRUCTION PLAN

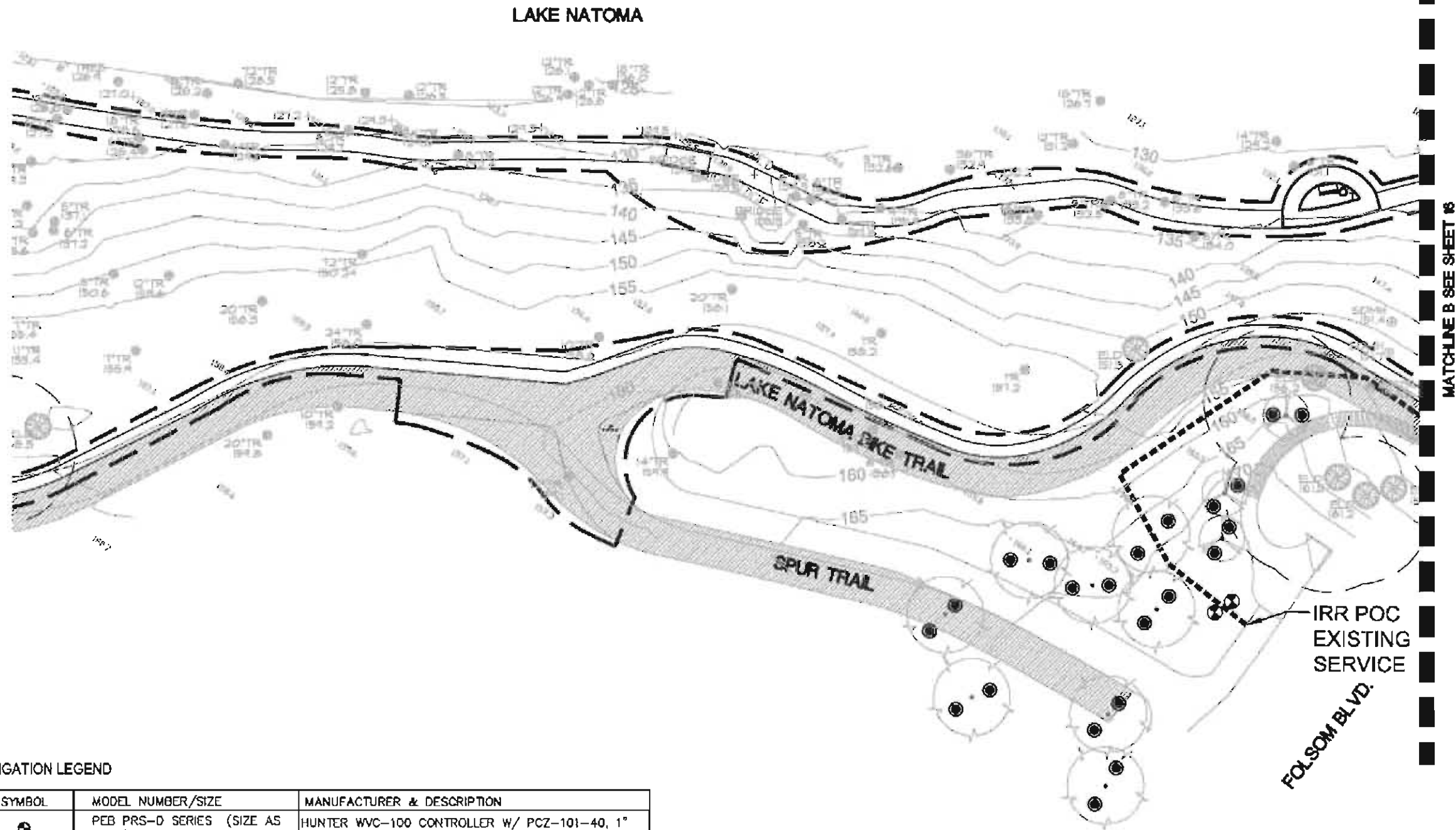
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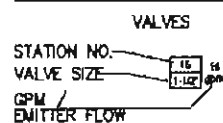
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Sheet No. 16 of 39	



IRRIGATION LEGEND

SYMBOL	MODEL NUMBER/SIZE	MANUFACTURER & DESCRIPTION
	PEB PRS-D SERIES (SIZE AS NOTED)	HUNTER WVC-100 CONTROLLER W/ PCZ-101-40, 1" VALVE & DC LATCHING SOLENOID
	1" QUICK COUPLER VALVE	RAINBIRD 44 LRC - 1 PIECE LOCKING RUBBER COVER N BOX
	LOW VOLUMN MICRO-SPRAY	RAINBIRD XERI-POP 6", XP-600X-SQ-HLF W/ XERI-PRESSURE COMPENSATING NOZZLE, XPCN-HLF
	CLASS 200 PVC PIPE	IRRIGATION LATERAL (RIGID) PIPE
	CLASS 315 PVC PIPE	IRRIGATION MAINLINE
	0.75 OD" POLY TUBING	POLY DISTRIBUTION TUBING
	CLASS 315 PVC PIPE (4" & 5")	IRRIGATION SLEEVE

VALVE IDENTIFICATION



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DESIGNED: JNS	DATE: 12/11/12
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Sheet No. 17 of 38	

MATCHLINE B SEE SHEET 15

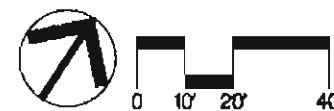
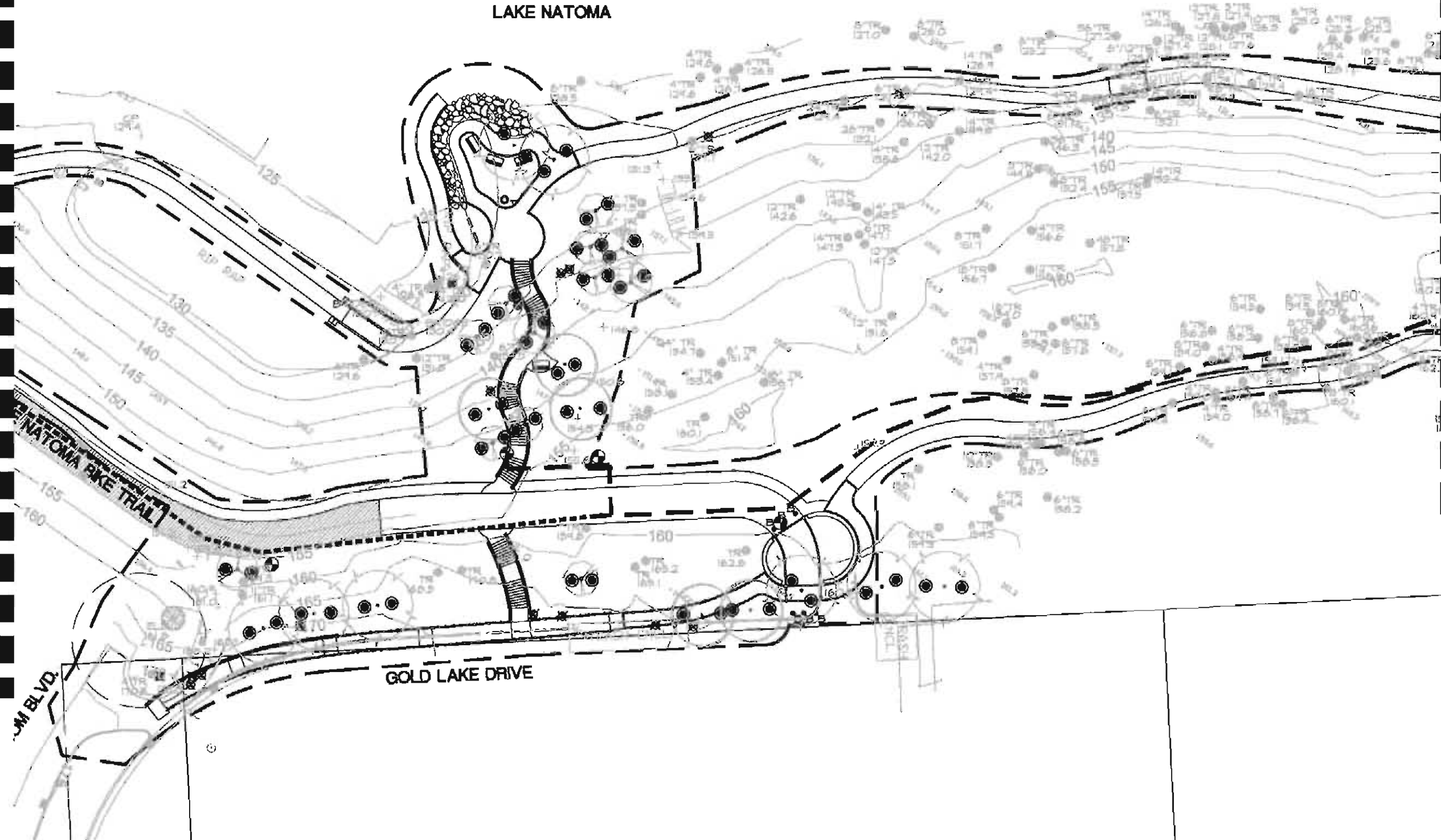
MATCHLINE C SEE SHEET 17

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LAKE NATOMA

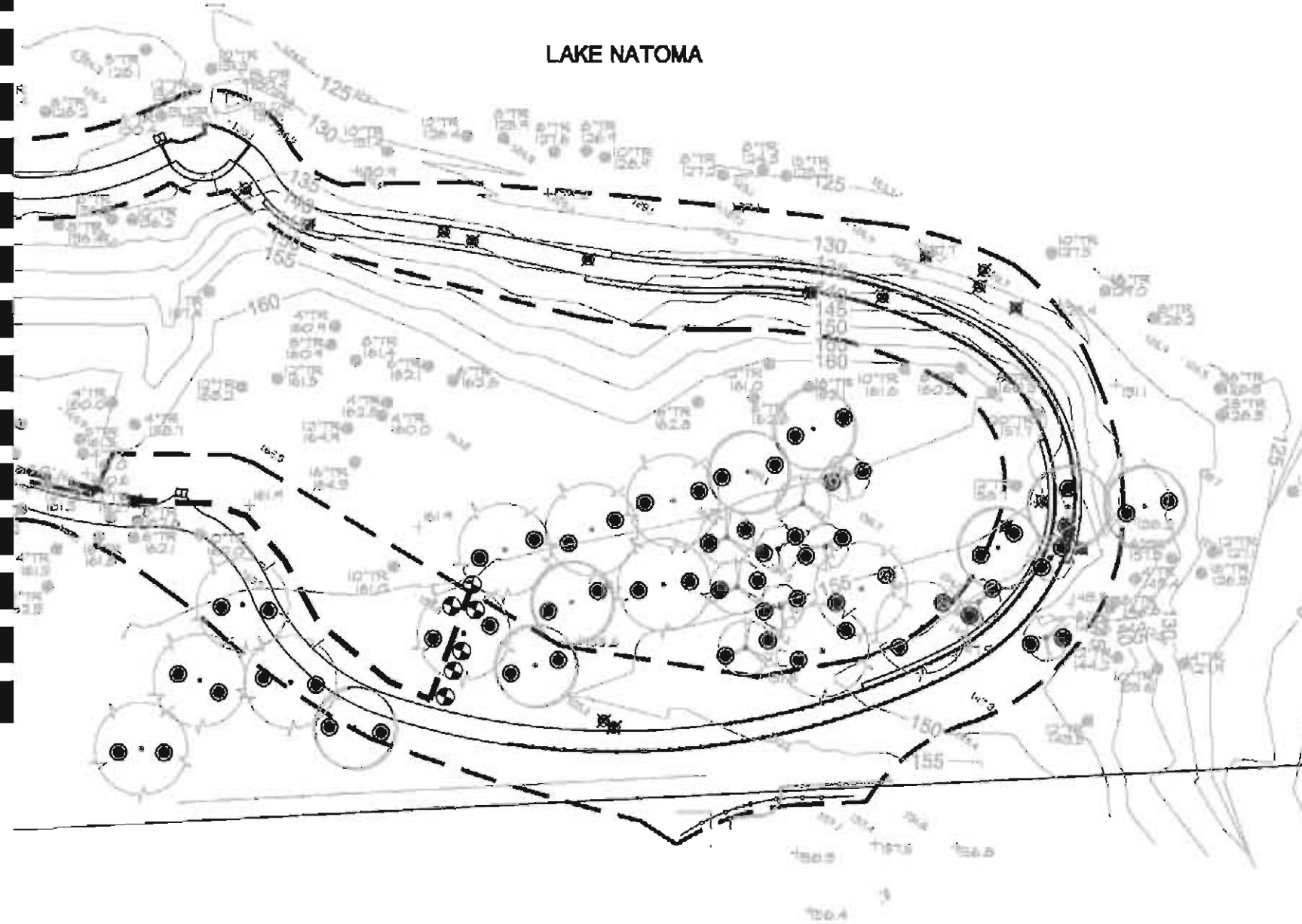
IRRIGATION PLAN
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PROJECT LOCATION: LAKE NATOMA AT GOLD OAK CR & FOLSOM BLVD. FOLSOM, CA	PROJECT DESIGN: JANIS CITY OF FOLSOM DEPARTMENT OF PUBLIC WORKS FOLSOM, CA DATE: 12/11/12
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MATCHLINE C SEE SHEET 18



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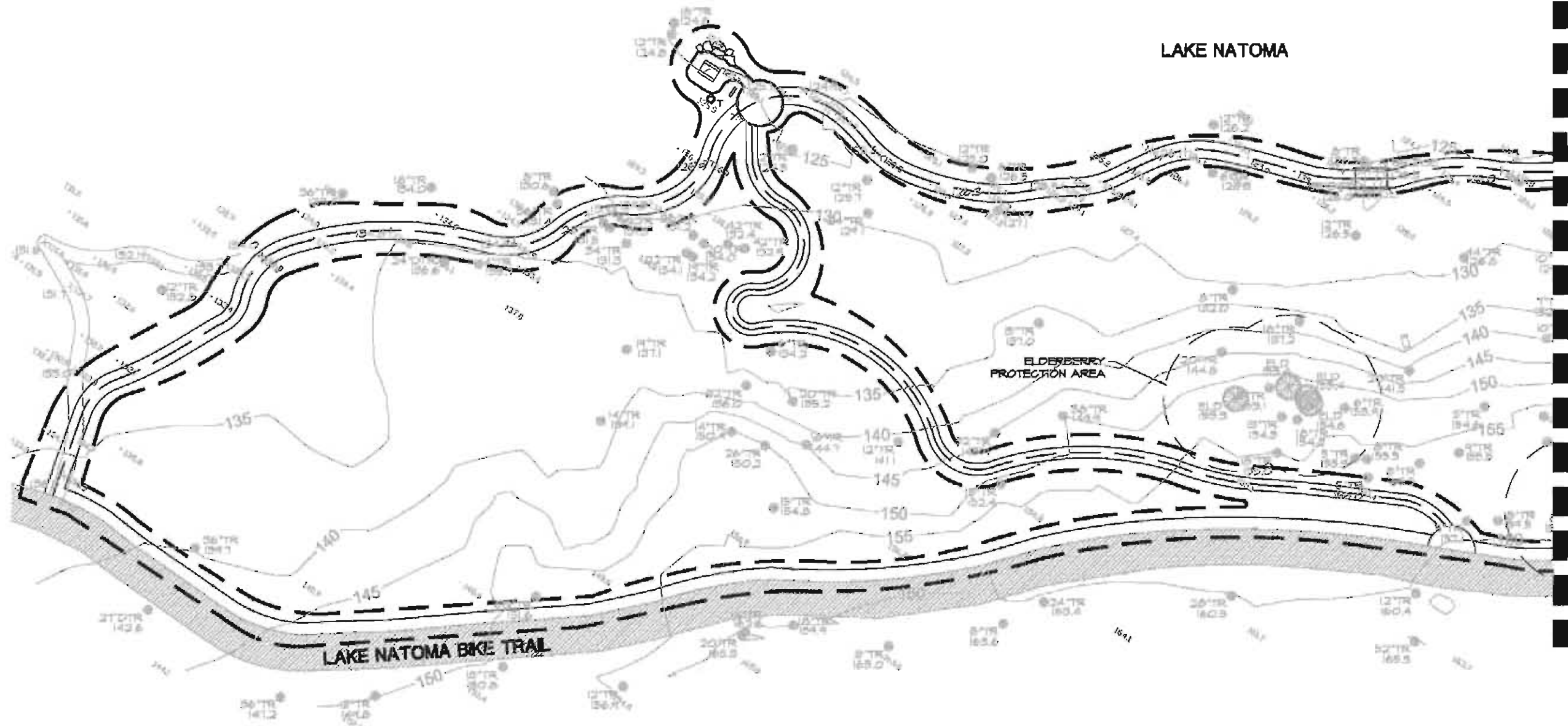
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PROJECT LOCATION: LAKE NATOMA AT GOLD OAK CIR & FOLSOM BLVD. FOLSOM, CA	PROJECT DESIGNER: JANISPERA CITY OF FOLSOM DEVELOPMENT PHASE & IRRIGATION PLAN FOLSOM, CA REV 01/18/2012 (REV 12/25/2011)
DESIGNED: JNS	DATE: 12/18/12
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REVISIONS	DATE
REV	DESCRIPTION



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PLANTING PLAN
LAKE NATOMA WATERFRONT & ACCESS TRAIL
 CITY OF FOLSOM, CA



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Sheet No. 20 of 38	

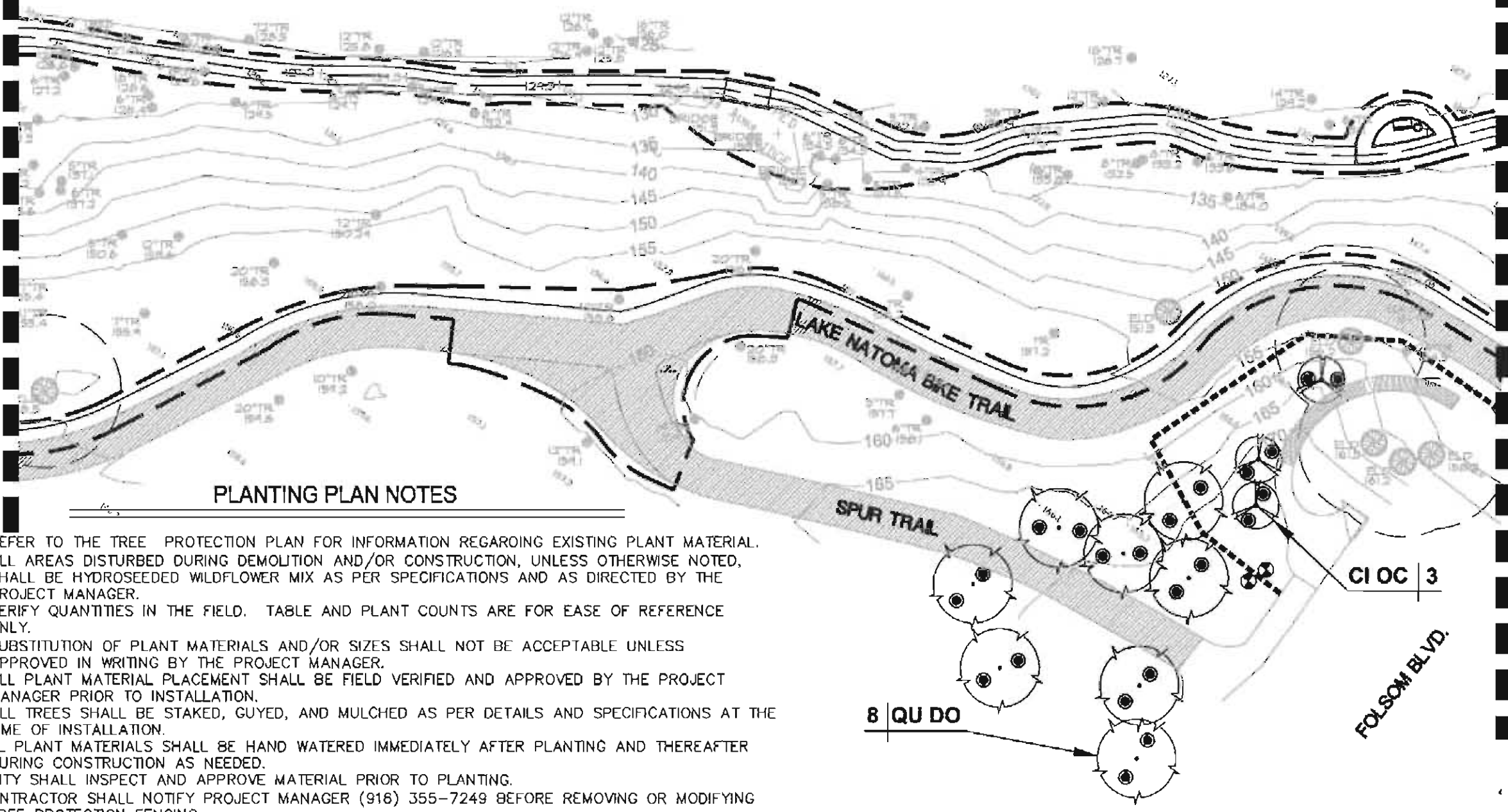
PROJECT OWNER:
CITY OF FOLSOM
DEPARTMENT OF PARKS & RECREATION
PLANNING & DESIGN
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REVISION	DATE

MATCHLINE A SEE SHEET 14

MATCHLINE B SEE SHEET 18

LAKE NATOMA



PLANTING PLAN NOTES

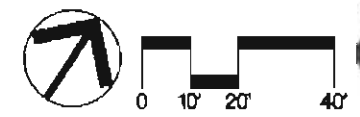
- 1. REFER TO THE TREE PROTECTION PLAN FOR INFORMATION REGARDING EXISTING PLANT MATERIAL.
- 2. ALL AREAS DISTURBED DURING DEMOLITION AND/OR CONSTRUCTION, UNLESS OTHERWISE NOTED, SHALL BE HYDROSEEDED WILDFLOWER MIX AS PER SPECIFICATIONS AND AS DIRECTED BY THE PROJECT MANAGER.
- 3. VERIFY QUANTITIES IN THE FIELD. TABLE AND PLANT COUNTS ARE FOR EASE OF REFERENCE ONLY.
- 6. SUBSTITUTION OF PLANT MATERIALS AND/OR SIZES SHALL NOT BE ACCEPTABLE UNLESS APPROVED IN WRITING BY THE PROJECT MANAGER.
- 7. ALL PLANT MATERIAL PLACEMENT SHALL BE FIELD VERIFIED AND APPROVED BY THE PROJECT MANAGER PRIOR TO INSTALLATION.
- 8. ALL TREES SHALL BE STAKED, GUYED, AND MULCHED AS PER DETAILS AND SPECIFICATIONS AT THE TIME OF INSTALLATION.
- 9. ALL PLANT MATERIALS SHALL BE HAND WATERED IMMEDIATELY AFTER PLANTING AND THEREAFTER DURING CONSTRUCTION AS NEEDED.
- 10. CITY SHALL INSPECT AND APPROVE MATERIAL PRIOR TO PLANTING.
- 11. CONTRACTOR SHALL NOTIFY PROJECT MANAGER (916) 355-7249 BEFORE REMOVING OR MODIFYING TREE PROTECTION FENCING.

PLANT MATERIAL SCHEDULE

QUANTITY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
	AE CA	AESCLUSUS californica	California Buckeye	15 GALLON	30' O.C.
	CE OC	CERCIS occidentalis	Western Redbud	15 GALLON	13' O.C.
	QU DO	QUERCUS douglasii	Blue Oak	15 GALLON	25' O.C.
	QU WI	QUERCUS wislizenii	Interior Live Oak	15 GALLON	25' O.C.

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PLANTING PLAN
LAKE NATOMA WATERFRONT & ACCESS TRAIL
CITY OF FOLSOM, CA



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DESIGNED BY: JNS	CITY OF FOLSOM
CHECKED BY: ES	CITY OF FOLSOM
Sheet No. 21 of 38	

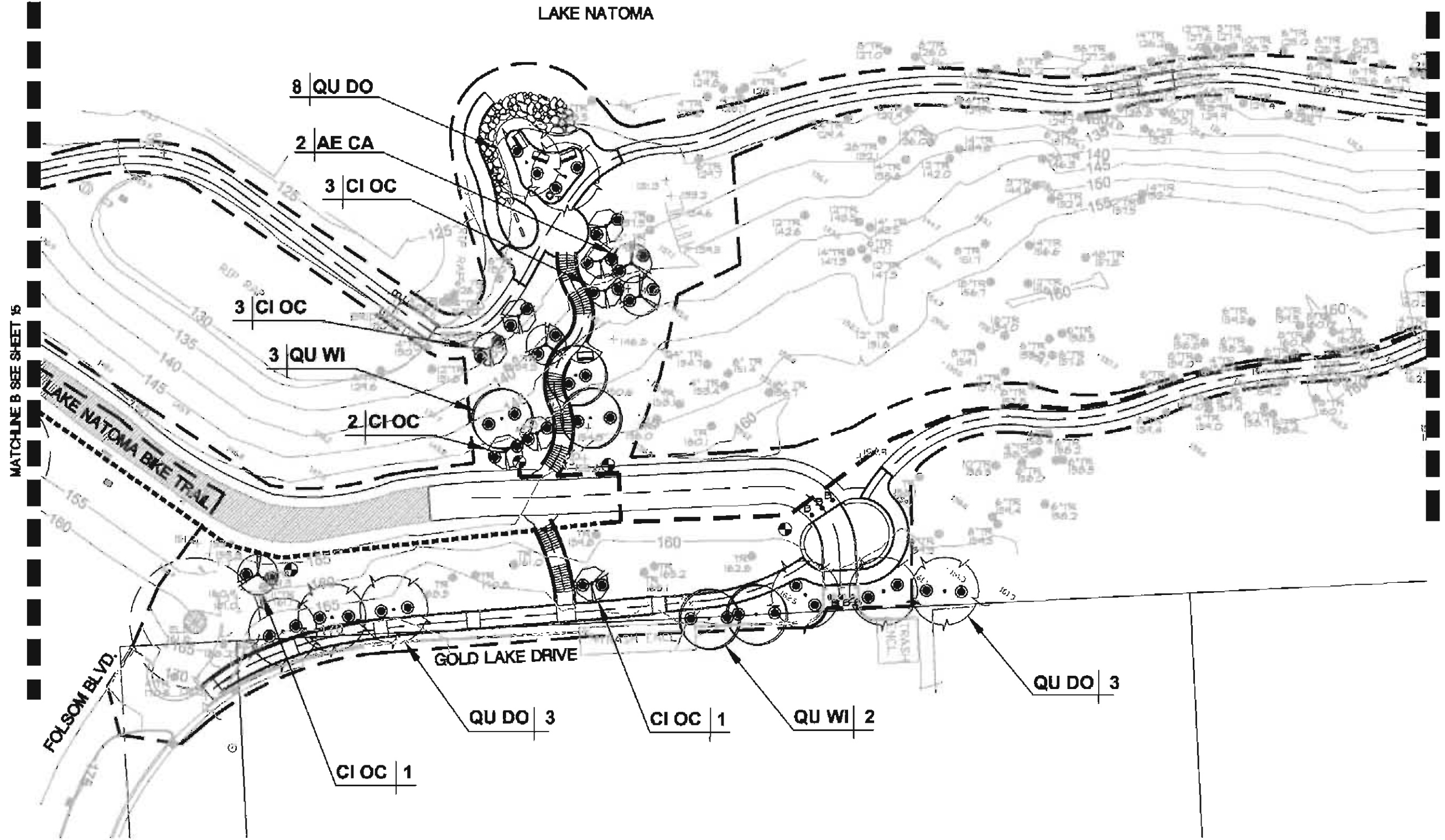
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MATCHLINE C SEE SHEET 17

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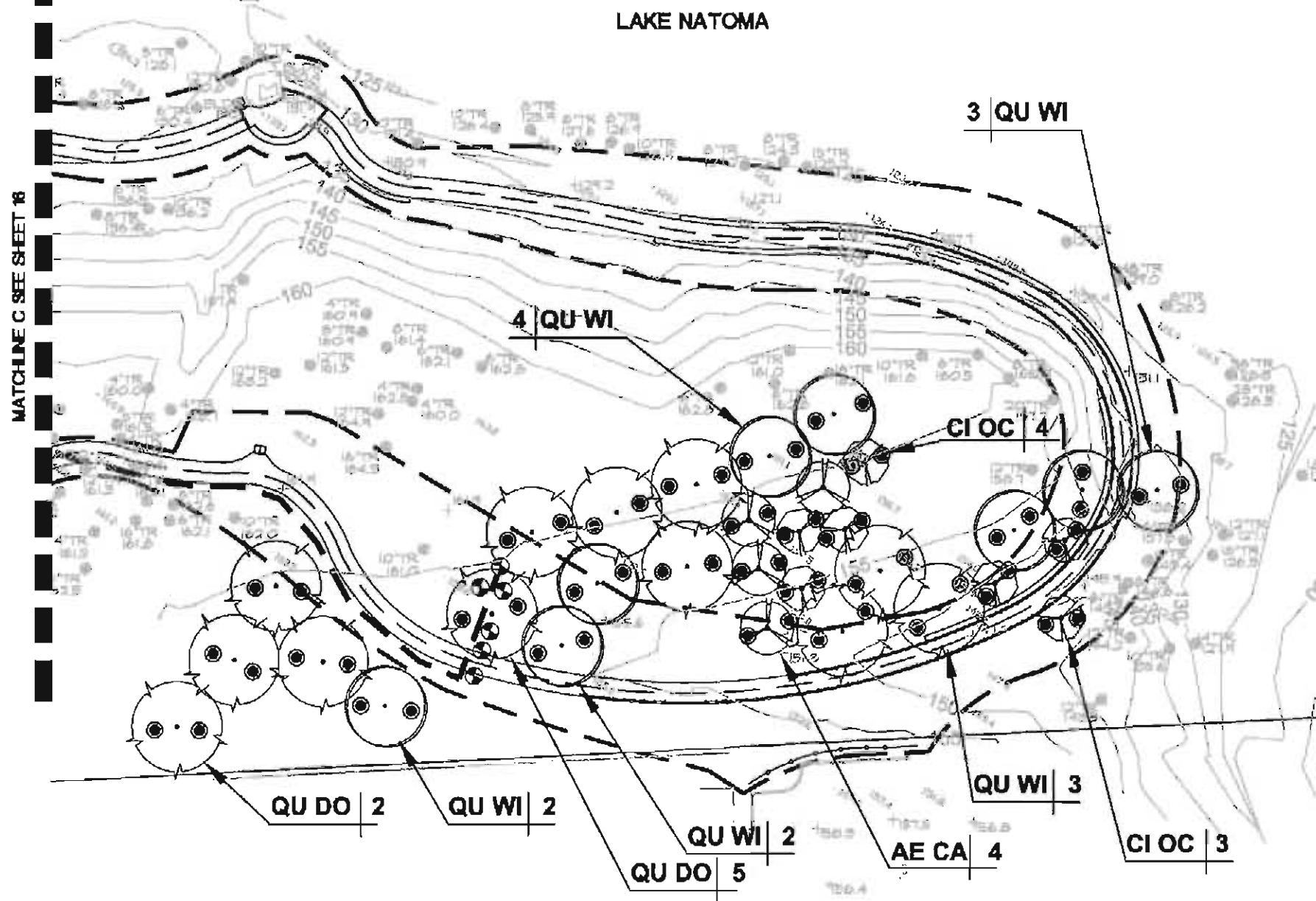
PLANTING PLAN
LAKE NATOMA WATERFRONT & ACCESS TRAIL
CITY OF FOLSOM, CA

PROJECT LOCATION: LAKE NATOMA AT GOLD OAK CR & FOLSOM BLVD., FOLSOM, CA	PROJECT OWNER: CITY OF FOLSOM DEPARTMENT OF PUBLIC WORKS FOLSOM, CA
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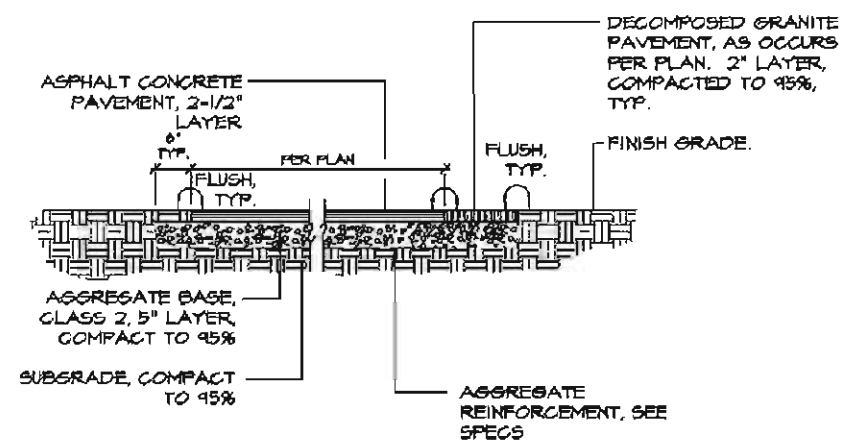
PLANTING PLAN
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CITY OF FOLSOM, CA



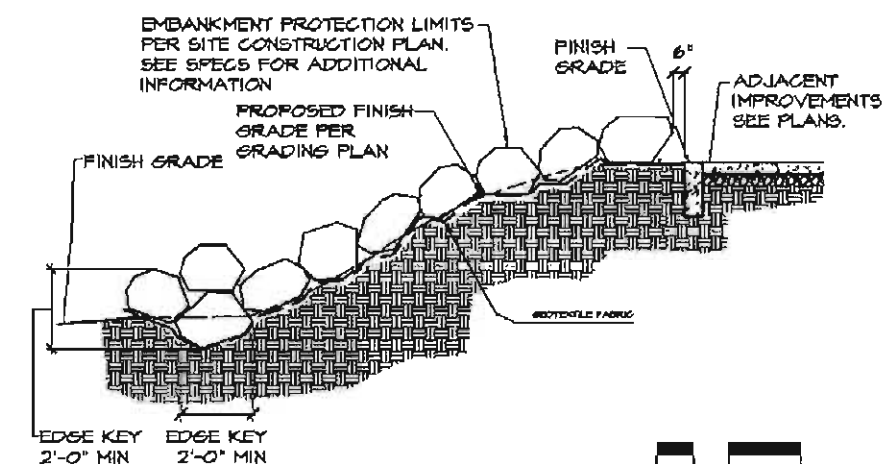
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SHEET NO. 23 of 88	

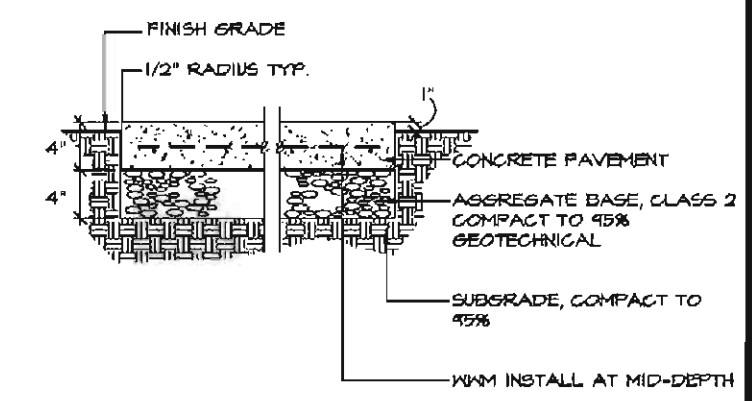
REVISIONS	DATE



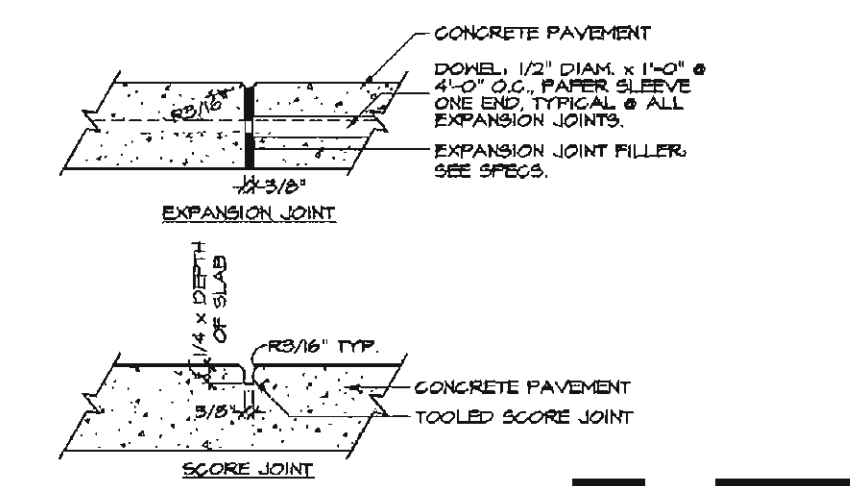
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24 **ASPHALT PAVEMENT**
0 1 2 4'
12009_021403a2.dwg



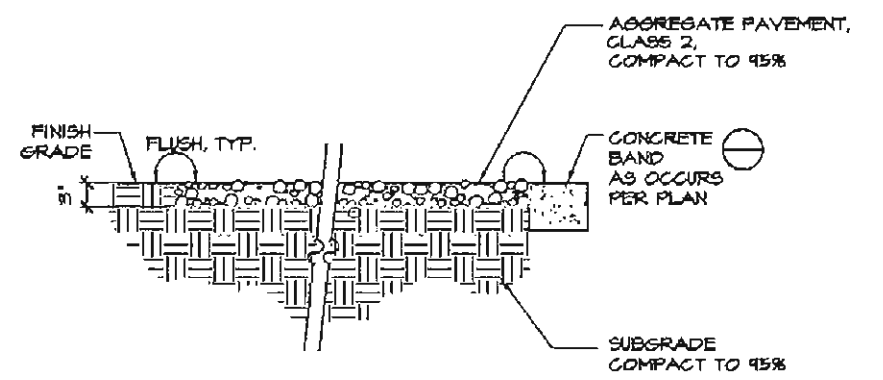
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24 **EMBANKMENT PROTECTION**
0 1 2 4'
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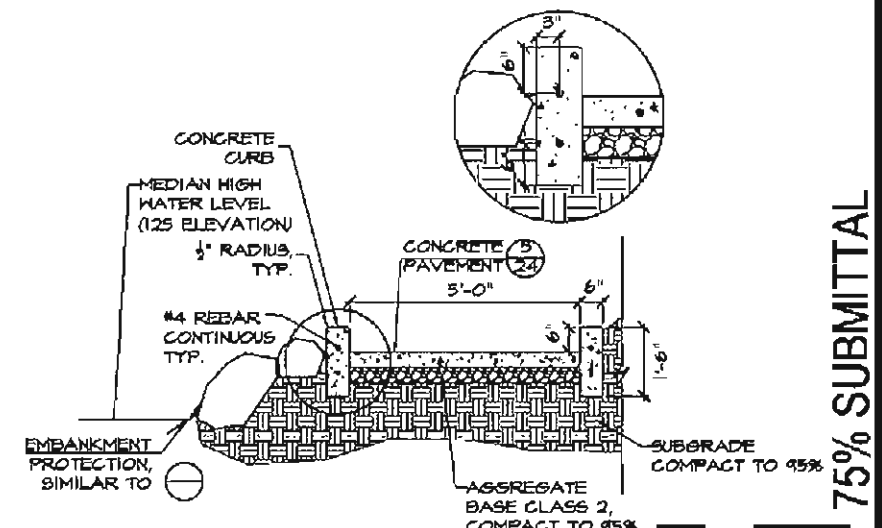
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24 **CONCRETE PAVEMENT**
0 1/2' 1' 2'
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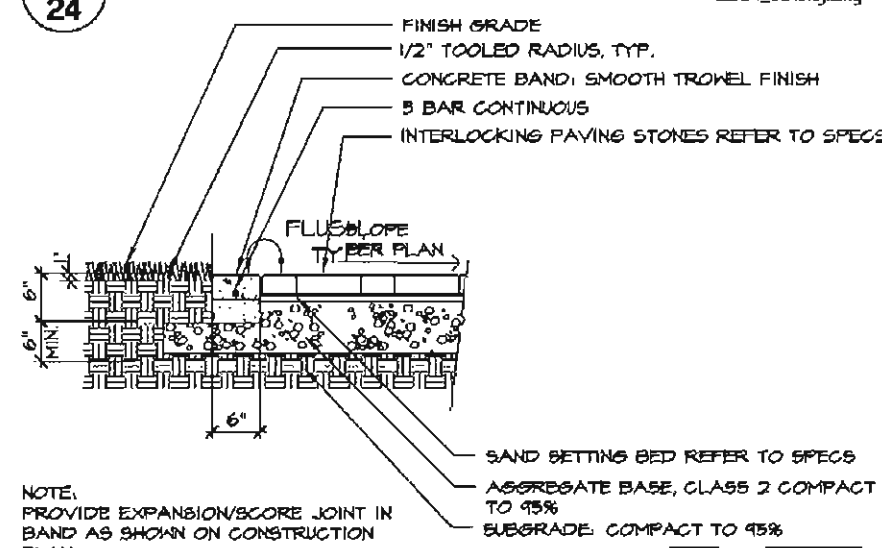
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24 **CONCRETE JOINTS**
0 1/4' 1/2' 1'
12009_02151212.dwg



5
24 **AGGREGATE PAVEMENT**
0 1/2' 1' 2'
12009_02131213.dwg



6
24 **KAYAK RAMP**
0 1 2 4'
12009_02131213.dwg



7
24 **INTERLOCKING PAVERS**
0 1/2' 1' 2'
12009_021603a1.dwg

8
24 **TBD**

NOTE: PROVIDE EXPANSION/SCORE JOINT IN BAND AS SHOWN ON CONSTRUCTION PLAN.

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CONSTRUCTION DETAILS

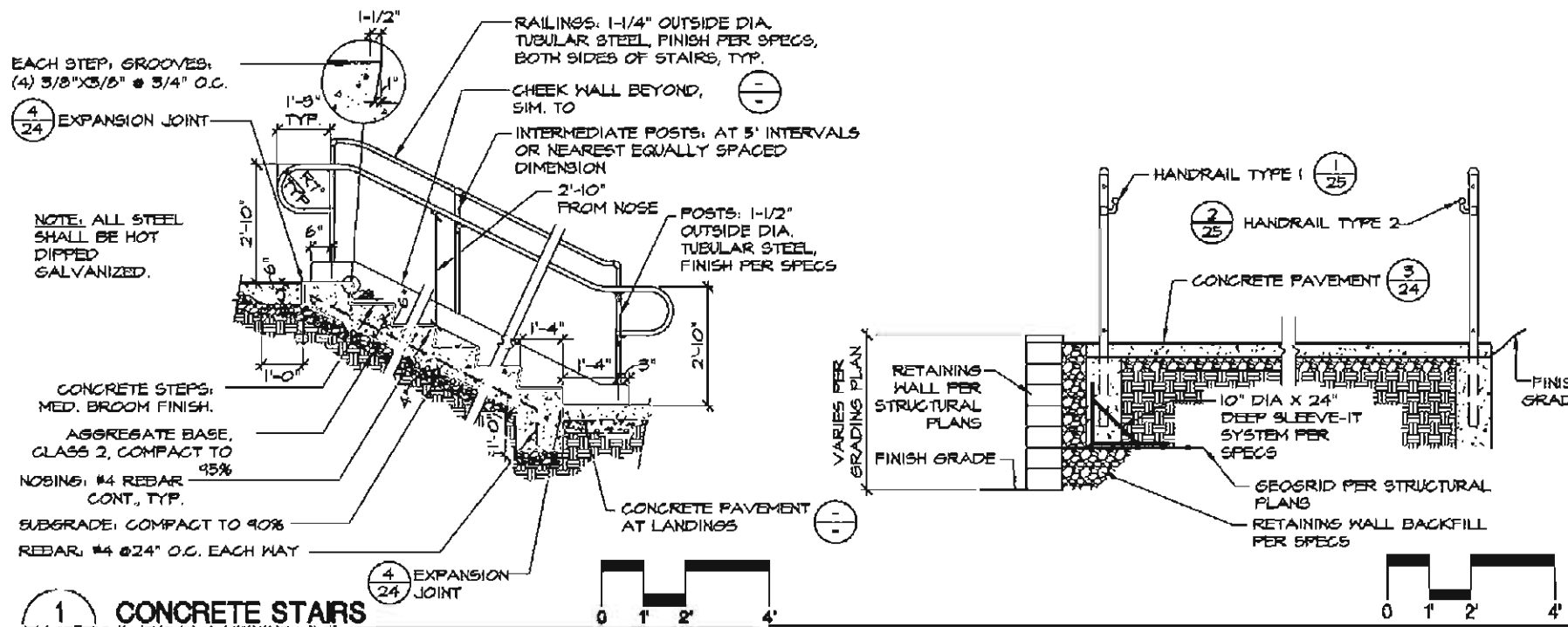
LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT

CITY OF FOLSOM, CA

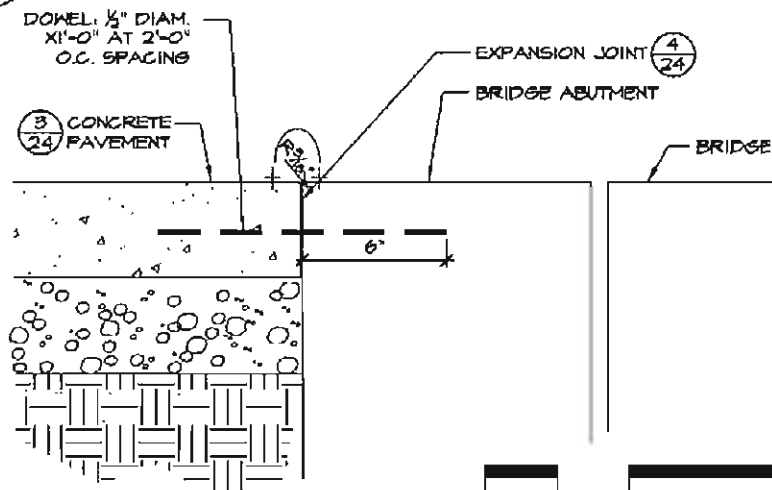
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DESIGNED: MR	DATE: 12/18/12
DRAWN: ES	CALCULATED: 12/08
Sheet No. 24 of 32	



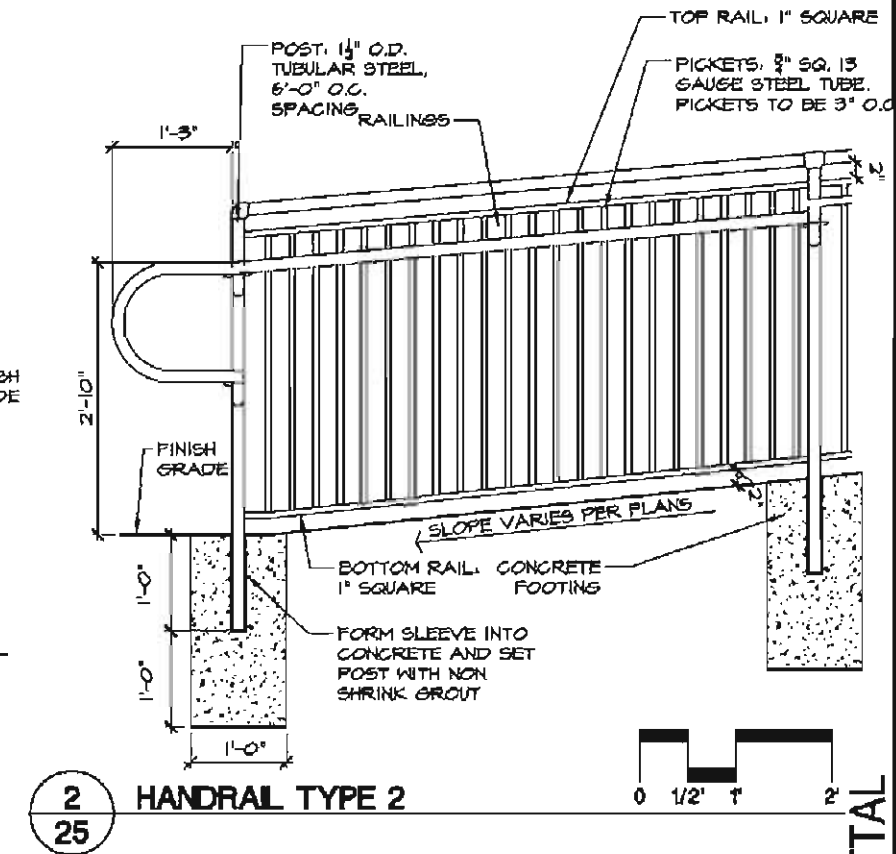
1
25
CONCRETE STAIRS WITH HANDRAIL TYPE 1



4
25
CONCRETE PAVEMENT ABUTMENT EDGE

5
25

6
25



2
25
HANDRAIL TYPE 2

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CONSTRUCTION DETAILS

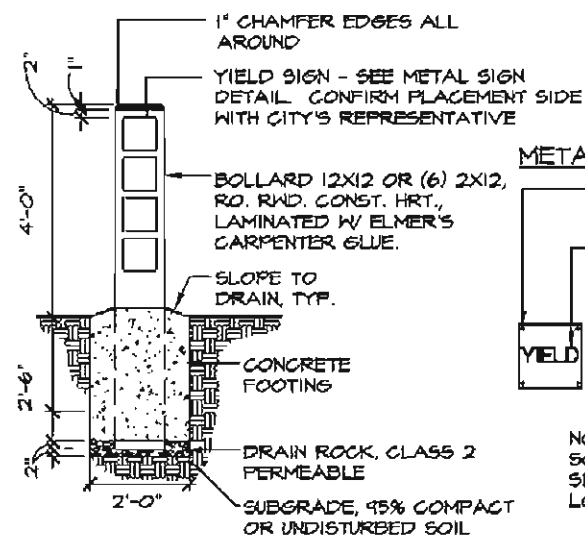
LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT
CITY OF FOLSOM, CA

PROJECT LOCATION: LAKE NATOMA AT GOLD OAK DR. & FOLSOM BLVD. FOLSOM, CA	PROJECT ORIGIN: CITY OF FOLSOM DEPARTMENT PARKS & RECREATION 10000 PARKWAY STREET FOLSOM, CA 95630 408.310.3113 / 408.310.4001
DESIGNED BY: MR	DATE: 12/18/12
DRAWN BY: ES	CALCHECKED BY: 12.009
Sheet No. 25 of 32	

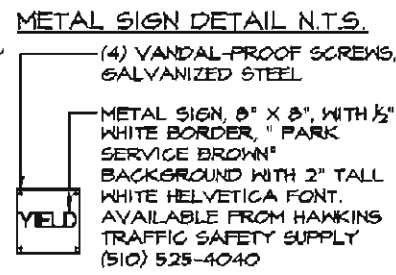


Landscape Architecture
Urban Design
Land Planning
Park and Recreation Planning
Environmental Planning
11180 Sun Center Drive
Suite 104
Rancho Cordova, CA 95670
916.635.1312
916.635.9163

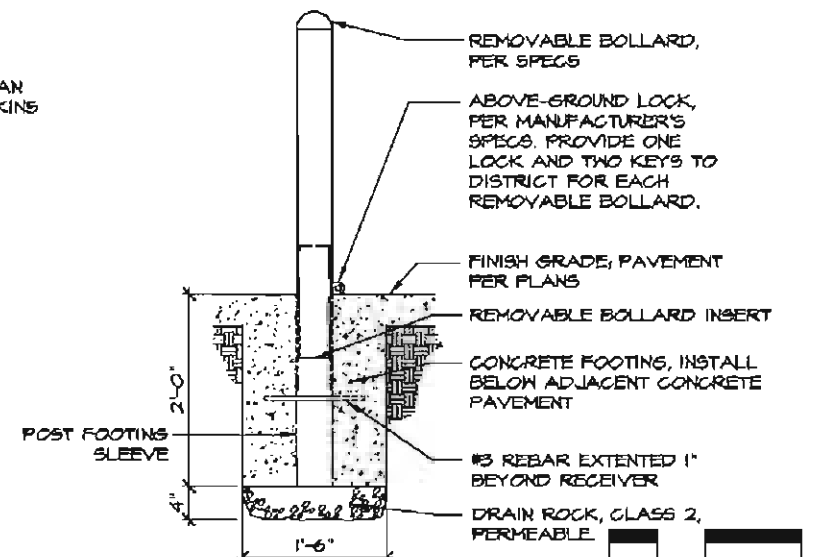
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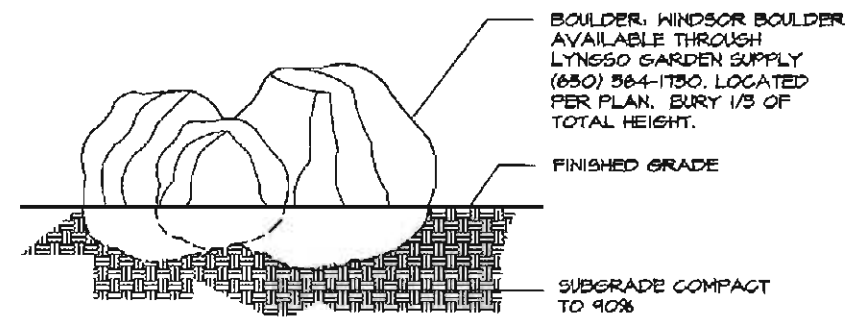
1
26 WAYFINDING BOLLARD



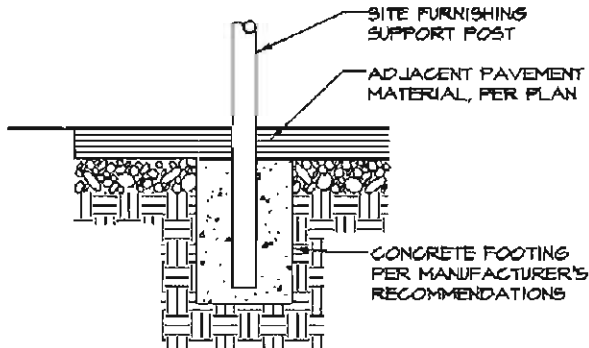
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26 REGULATORY SIGN



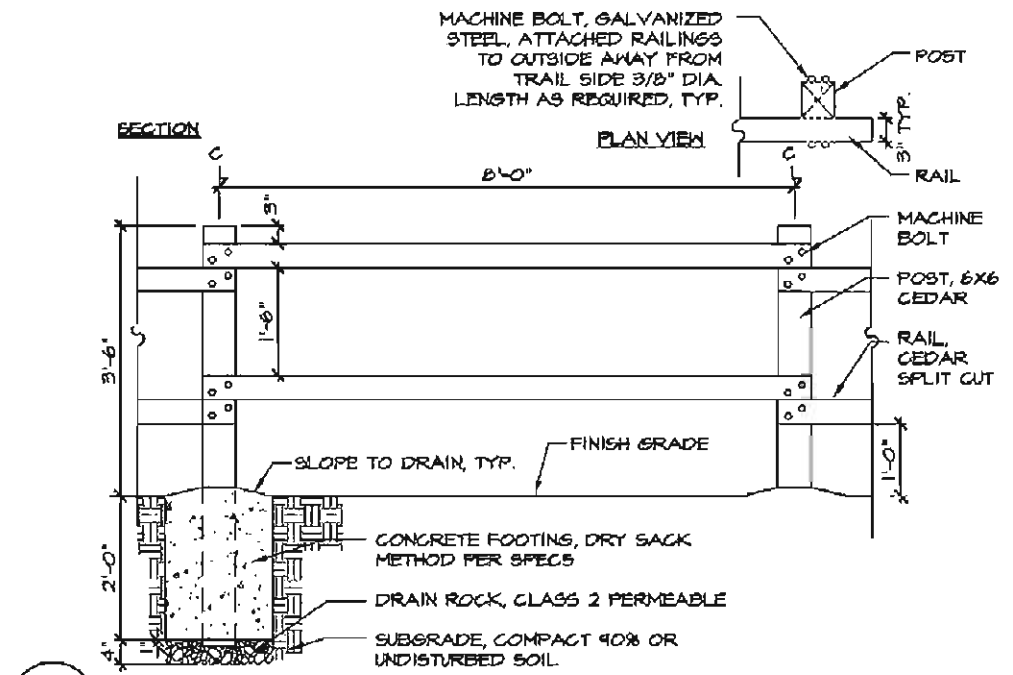
3
26 REMOVABLE BOLLARD



4
26 LANDSCAPE BOULDERS



5
26 FURNISHING MOUNTING



X
26 SPLIT RAIL FENCE

75% SUBMITTAL

CONSTRUCTION DETAILS

LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT

CITY OF FOLSOM, CA

X
26

X
26

811

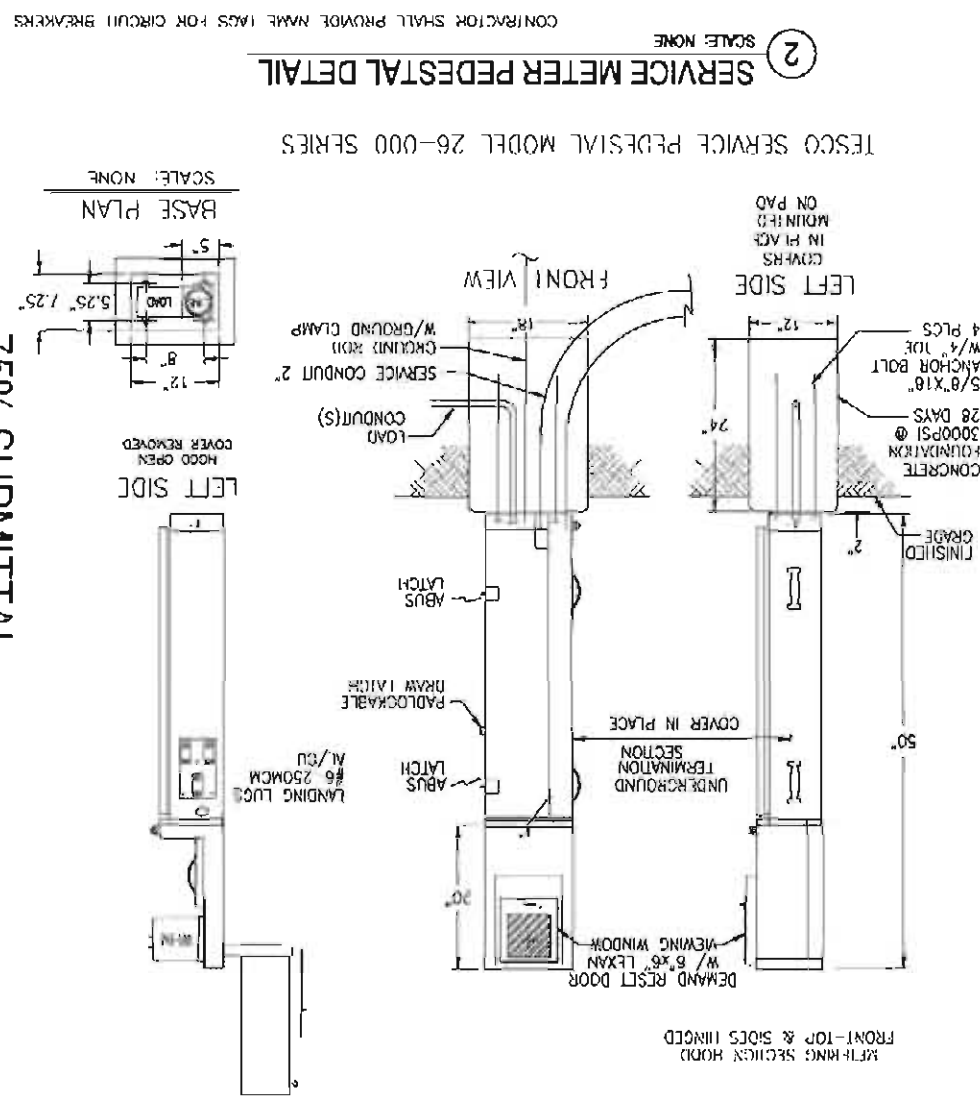
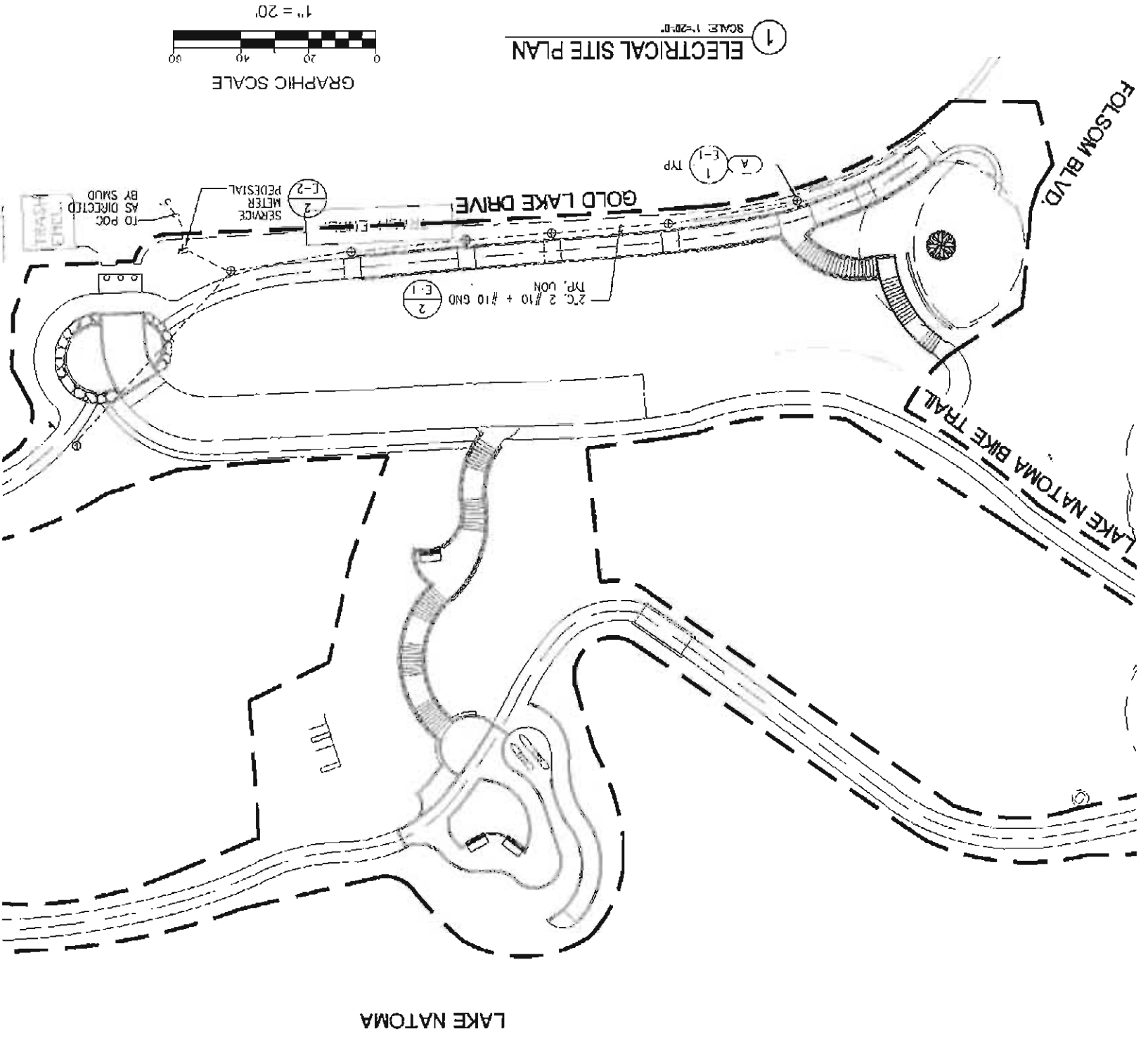
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T 916.633.1312
F 916.633.9163

PROJECT LOCATION: LAKE NATOMA AT GOLD OAK DR & FOLSOM BLVD. FOLSOM, CA	
PROJECT CONTACT: CITY OF FOLSOM DEPARTMENT PARKS & RECREATION 10000 MARKET STREET FOLSOM, CA 95630 T 916.331.1312 F 916.331.1313	
DESIGNED BY: JMR	DATE: 12/18/12
DRAWN BY: ES	CHECKED BY: 12.009
Sheet No. 26 of 32	



- ENCLOSURE CONSTRUCTION NOTES:
1. CABINET SHALL BE FABRICATED FROM 1/8" ANODIZED ALUMINUM.
 2. INTERNAL PARTS SHALL BE FABRICATED FROM 14 GAUGE COLD ROLLED STEEL.
 3. CABINET SHALL BE WELDED CONSTRUCTION WITH WELDING MATERIALS SPECIFICALLY DESIGNED FOR THE MATERIAL USED.
 4. ALL NUTS, BOLTS AND SCREWS WILL BE STAINLESS STEEL.
 5. NUTS, BOLTS & SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
 6. NAMEPLATES WILL BE PROVIDED AS REQUIRED.
 7. A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
 8. ENCLOSURE WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.

811
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Landscape Architecture, Inc.
11180 San Carlos Drive
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ZIGER ENGINEERS, INC.
2210 E. OAKLAND AVE.
OAKLAND, CA 94607
Tel: (916) 432-9291
Fax: (916) 432-9291

KEY MAP
CONTRACTOR SHALL PROVIDE MOUNTING BRACKETS

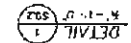
SITE ELECTRICAL PLAN & DETAIL
LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT
CITY OF FOLSOM, CA

PROJECT NO.	LAKE NATOMA AT OAKLAND DR
DATE	12/14/12
REVISION	12/14/12
SHEET NO.	E-2
OF	23

REGISTERED PROFESSIONAL ENGINEER
No. 17716
Exp. 9/30/14
State of California
JAMES P. ZIGER

[illegible]

1. $\frac{1}{2}$ of the blood pressure of the mother is transferred to the foetus.
 2. $\frac{1}{2}$ of the blood pressure of the mother is transferred to the foetus.
 3. $\frac{1}{2}$ of the blood pressure of the mother is transferred to the foetus.
 4. $\frac{1}{2}$ of the blood pressure of the mother is transferred to the foetus.
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 9. $\frac{1}{2}$ of the blood pressure of the mother is transferred to the foetus.
 10. $\frac{1}{2}$ of the blood pressure of the mother is transferred to the foetus.



girth of bamboo master must be between 30 and 80 mm (measured per ASTM C 579)

Foundation Soil	Clearances: min. angle of friction=35 degrees soil weight=115 pcf
Retained Soil	min. angle of friction=35 degrees soil weight=115 pcf
Fill Soil	internal angle of friction=35 degrees soil weight=115 pcf

Soil loading considered in design is based on the following parameters:

- Global stability is not considered in this design.
- Local stability is not considered in this design.
- Corrosion test frequency shall be determined by the soils present or see otherwise noted.
- Analytical assumed the elemental composition is 55% standard practice (ASTM D668).
- Unreinforced concrete.
- Hydrated lime is not considered in this analysis. Sufficient dilutions must be provided such that hydraulic setting (paste pressure) does not develop in the rebar.
- Reinforcing steel units and modification shall conform to the Baseline Details Pro

4. Material and other water sourced risks as mitigation activities can be defined as material water.
5. The material risks may be designed to include surface water and groundwater risk.
6. The material risks may be designed to include risks to the environment and to the community.
7. The material risks may be designed to include risks to the environment and to the community.
8. The material risks may be designed to include risks to the environment and to the community.
9. The material risks may be designed to include risks to the environment and to the community.



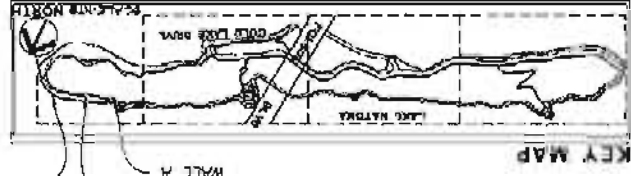
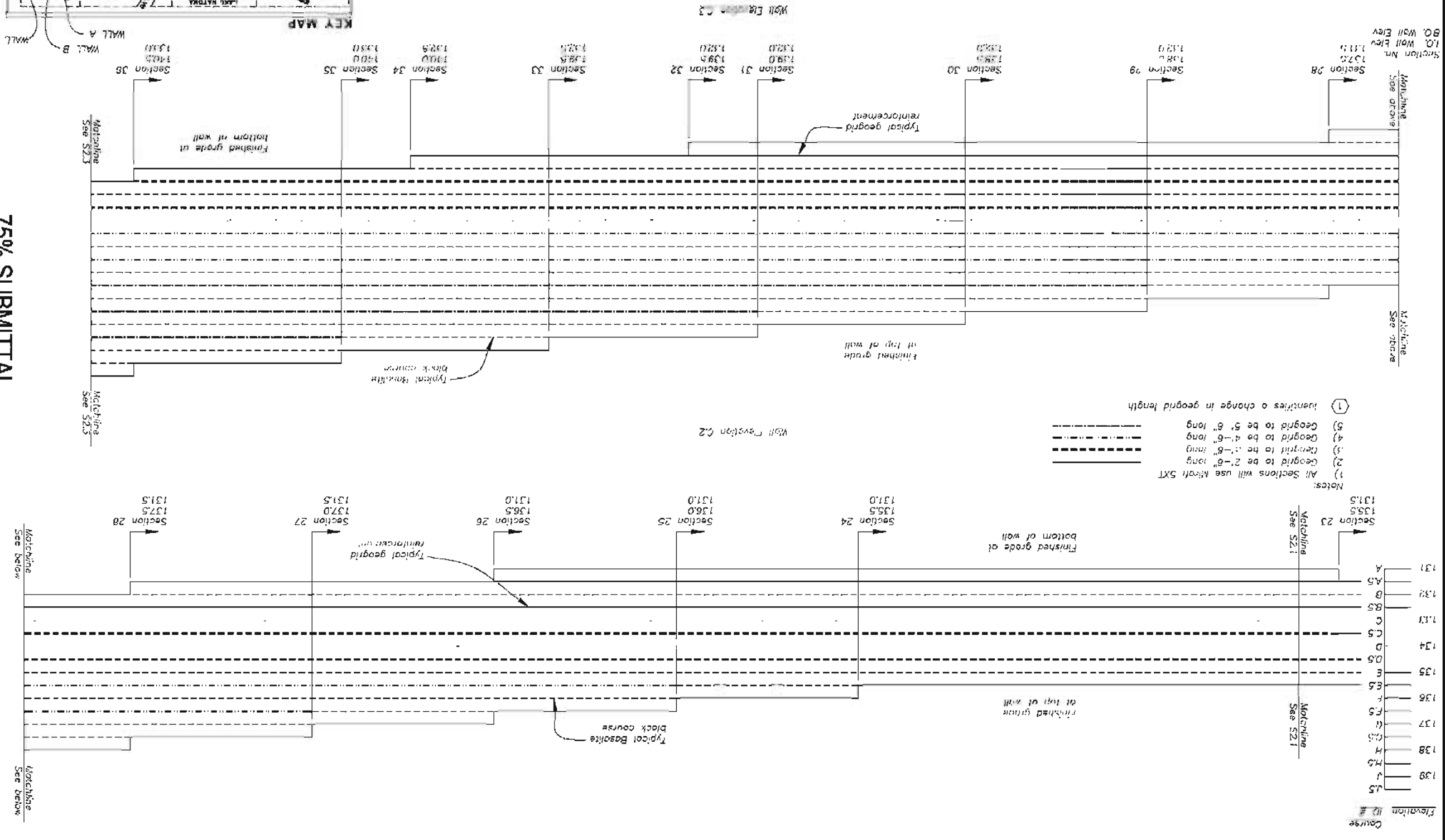
(916) 418-9100
Sacramento, CA
bartels.com



2000/01/01

PROJECT LOCATION: Duke and Julia AT Gold Oak Dr. 5. POLSON BLVD. POLSON, CA	PROJECT CONTACT: Jill Anderson Dir. of Public Engagement/Market Research Division City of Ukiah 1000 N. Main Ukiah, CA 95616 Tel: 707.438.1111 x2111 Fax: 707.438.1111 x2111	DATE: 10/25/12	CA PROJECT #: 12-009	CREATED BY: E8	SHEET NO.: S0.2	of 23
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75% SUBMITTAL



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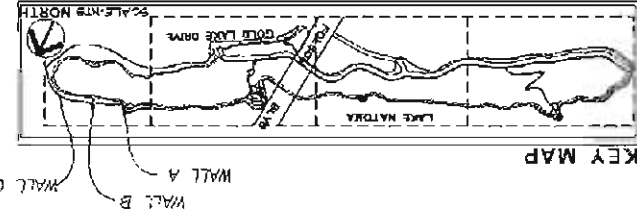
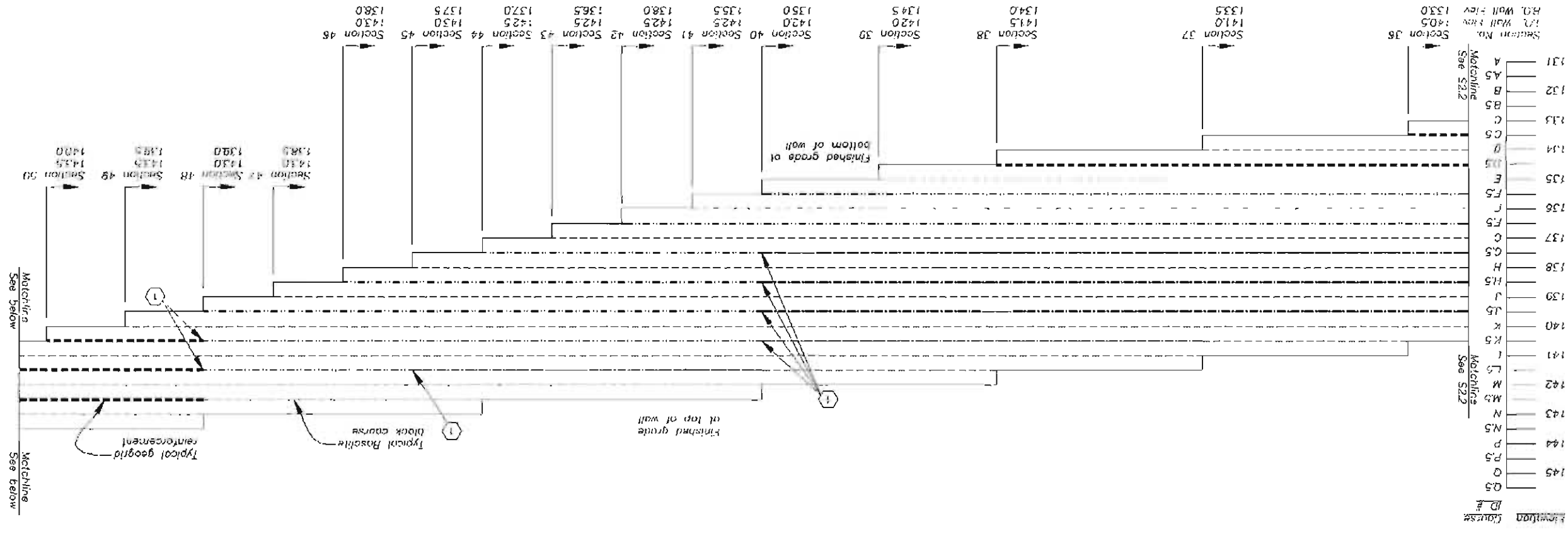
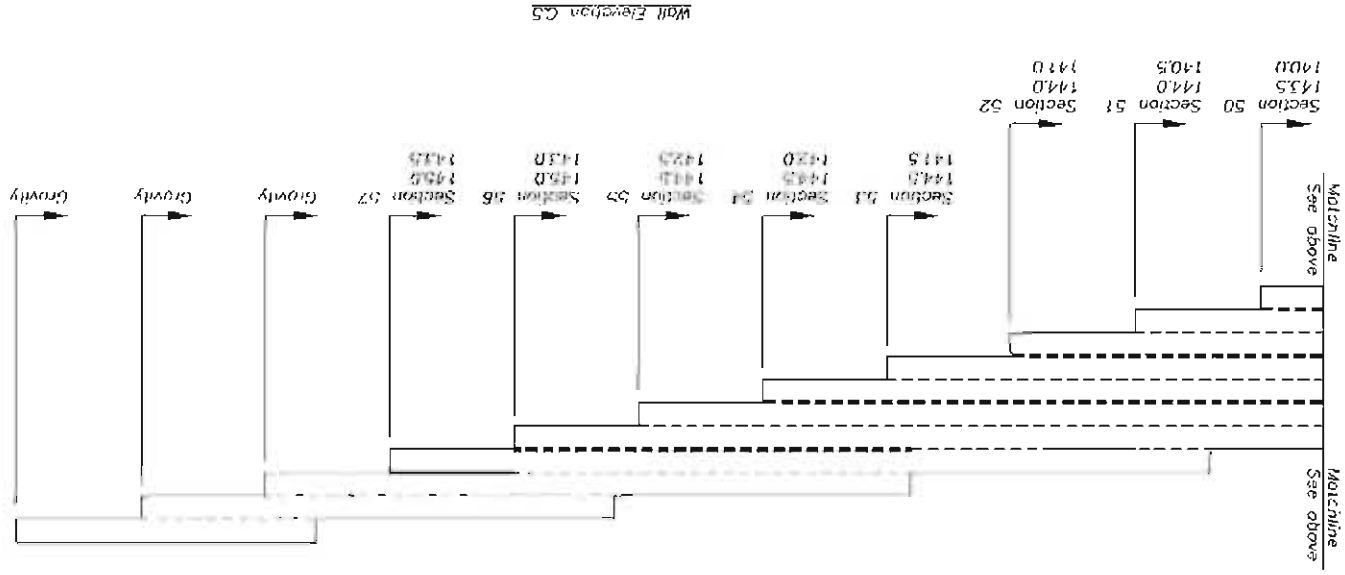
LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT
CITY OF FOLSOM, CA

PROJECT LOCATION: LAKE MATOYAMA TRAIL BUILDING OFFICE APRIL 2008 11:40 FOLSOM, CA	DATE: 10/28/12	CA PROJECT #: 12009
PROJECT CONTACT: AN BERNING CONCRETE PAVING & RECONSTRUCTION 10000 N. STATE ST. FOLSOM, CA 95630 Tel: 916.341.1234 Fax: 916.341.1235	DATE: 10/28/12	CA PROJECT #: 12009

LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT

CITY OF FOLSOM, CA

REVISION	DATE
2ND REVISION	



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LAKE NATOMA WATERFRONT & TRAIL ACCESS ENHANCEMENT PROJECT
CITY OF FOLSOM, CA

CITY OF FOLSOM, CA






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