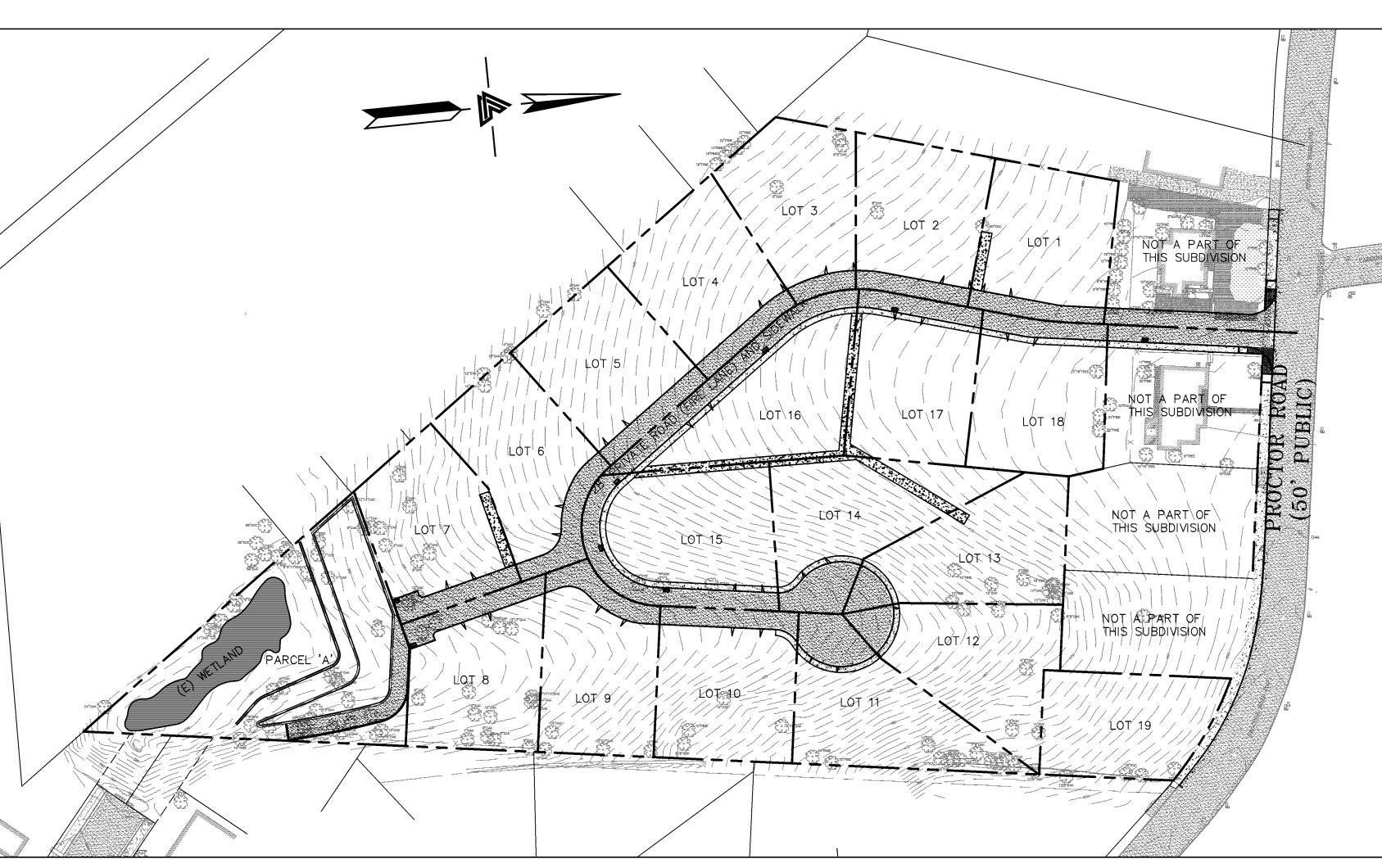
TENTATIVE MAP - TRACT 8053 19 LOT SUBDIVISION CASTRO VALLEY, CALIFORNIA

(UNINCORPORATED ALAMEDA COUNTY)



KEY MAP

1" = 60'

SITE BENCHMARK

DESCRIPTION

PROPERTY LINE

RETAINING WALL

SUBDRAIN LINE

STORM DRAIN LINE

SANITARY SEWER LINE

IIGHTLINE

WATER LINE

PRESSURE LINE

JOINT TRENCH

SET BACK LINE

EARTHEN SWALE

CATCH BASIN

JUNCTION BOX

AREA DRAIN

CURB INLET

FIRE HYDRANT

STREET SIGN

SPOT ELEVATION

FLOW DIRECTION

BENCHMARK

STREET LIGHT

CONTOURS

DEMOLISH/REMOVE

STORM DRAIN MANHOLE

SANITARY SEWER MANHOLE

CONCRETE VALLEY GUTTER

GAS LINE

ANDSCAPE RETAINING WALL

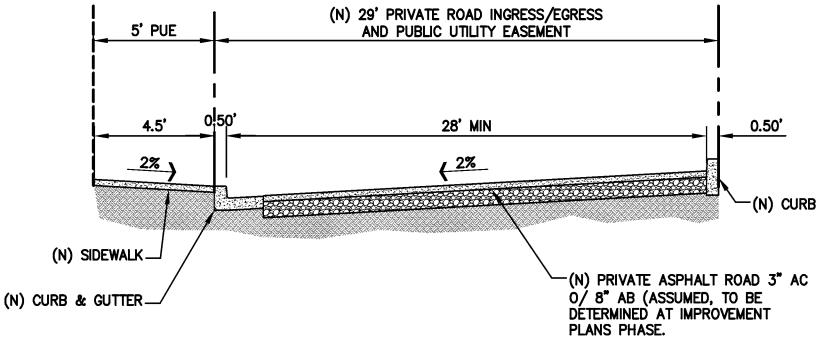
BOUNDARY

SURVEY CONTROL POINT SET MAG NAIL AND WASHER ELEVATION = 500.00'(ASSUMED)

TREE TO BE REMOVED

EASEMENTS

A CURRENT TITLE REPORT FOR THE SUBJECT PROPERTY HAS NOT BEEN EXAMINED BY LEA & BRAZE ENGINEERING, INC. EASEMENTS OF RECORD MAY EXIST THAT ARE NOT SHOWN ON THIS MAP.



TYPICAL STREET CROSS SECTION NTS

LEGEND

~>· ~>· ~>

PROPOSED

EXISTING

FIRE DEPARTMENT NOTES:

- 1. PROPOSED 28' PRIVATE ROADWAY WILL BE A FIRE LANE. PARKING IS ALLOWED ON ONE SIDE OF THE STREET. SEE SHEET L-2 FOR LOCATION OF PARKING STALLS. PROPER SIGNAGE AND STRIPING WILL BE PART OF THE PROJECT IMPROVEMENT PLANS.
- 2. A FIRE SPRINKLER SYSTEM MEETING NFPA 13D WILL BE REQUIRED FOR ALL RESIDENTIAL HOMES REGARDLESS OF SIZE BEGINNING JANUARY 1ST. 2011.
- 3. THE PROJECT IS LOCATED WITHIN THE LOCAL RESPONSE AREA VERY HIGH FIRE SEVERITY ZONE. PARCELS LARGER THAN ONE ACRE SHALL BE PROVIDED WITH A THIRTY FOOT SETBACK TO ALL PROPERTY LINES. PARCELS LESS THAN ONE ACRE SHALL BE PROVIDED WITH THE SAME PRACTICAL EFFECT OF THE THIRTY FOOT SETBACK. NO COMBUSTIBLE FENCING TO BE INSTALLED AT PERIMETER OF SUBDIVISION.
- 4. THE PROJECT IS LOCATED WITHIN THE LOCAL RESPONSE AREA VERY HIGH FIRE SEVERITY ZONE AND WILL BE REQUIRED TO MEET THE WILDLAND URBAN INTERFACE STANDARDS OF CHAPTER 47 OF THE CALIFORNIA FIRE CODE AND CHAPTER 7A OF THE CALIFORNIA BUILDING CODE.

DRAINAGE NARRATIVE

TRACT 8053 IS A MODERATELY SLOPING LOT LOCATED IN THE EASTERN HILLS OF CASTRO VALLEY. AS PART OF THE SUBDIVISION, THE PROJECT IS SUBJECT TO THE RULES AND REGULATIONS OF THE ALAMEDA COUNTY CLEAN WATER PROGRAM (C.3). TO ACCOMPLISH THIS, A POND HAS BEEN DESIGNED USING THE BAY AREA HYDROLOGY MODEL SOFTWARE (BAHM) AND IS TO HAVE A DUAL PURPOSE OF BOTH TREATMENT FOR CONTAMINANTS AND FOR USE AS HYDROMODIFICATION. THE PRÈLIMINARY CALCULATION WAS PERFORMED USING THE ENTIRE ROADWAY AND SIDEWALK SURFACE AND AN ASSUMED 50% LOT COVERAGE FOR A CONSERVATIVE RUNOFF ESTIMATE. RUNOFF FROM STORM EVENTS IS COLLECTED INTO TRADITIONAL STORM DRAIN PIPES AND INLETS AND DIRECTED TO A TREATMENT POND AT THE LOW END OF THE PROPERTY. RUNOFF IS ALLOWED TO FLOW INTO THIS POND THAT IS LINED WITH SEVERAL INCHES OF SANDY LOAM SOIL WITH A PERCOLATION RATE OF LESS THAN 5" PER HOUR, PER C.3 STANDARDS. ONCE RUNOFF IS FILTERED THROUGH THIS SOIL MATRIX AND TREATED, IT IS THEN GATHERED INTO MANY SUBDRAIN PIPES THAT COLLECT THE TREATED RUNOFF AND CONVEY IT TO A METERING DEVICE THAT FUNCTIONS AS THE PONDS SECOND PURPOSE, HYDROMODIFICATION. THE RUNOFF HAS BEEN SPECIFICALLY CALCULATED IN THE BAHM SOFTWARE TO BE RELEASED AT A PREDEVELOPMENT RATE. ONCE THE RUNOFF HAS BEEN BOTH TREATED AND METERED IN ITS RATE OF RELEASE, IT IS DIRECTED TO THE EXISTING STORM DRAIN SYSTEM AT THE TERMINUS OF JOSEPH ROAD.

PARCEL 'A' IS INTENDED TO BE A COMMON LOT CO-OWNED BY ALL LOTS AND IS INTENDED TO HAVE STORM WATER TREATMENT AND HYDROMODIFICATION POND AND ALSO INCLUDES A NATURAL WETLAND. THE FUTURE POND IS INTENDED TO HOLD RUNOFF FOR A MATTER OF HOURS AFTER A STORM EVENT AND COMPLETELY DRAIN BETWEEN STORMS. IT WILL BE FENCED OFF AND LOCKED FOR SAFETY.

| LOT NUMBER | GROSS AREA | | NEI AREA | | AVERACE CLORE |
|------------|------------|-------|----------|-------|---------------|
| | SF | AC | SF | AC | AVERAGE SLOPE |
| 1 | 11,448 | 0.263 | 10,000 | 0.230 | 15.7% |
| 2 | 11,275 | 0.259 | 10,000 | 0.230 | 14.9% |
| 3 | 10,754 | 0.247 | 10,000 | 0.230 | 16.1% |
| 4 | 11,308 | 0.260 | 10,000 | 0.230 | 17.4% |
| 5 | 11,436 | 0.263 | 10,000 | 0.230 | 18.9% |
| 6 | 11,970 | 0.275 | 10,000 | 0.230 | 24.1% |
| 7 | 11,541 | 0.265 | 10,000 | 0.230 | 23.1% |
| 8 | 11,784 | 0.271 | 10,000 | 0.230 | 15.3% |
| 9 | 11,601 | 0.266 | 10,000 | 0.230 | 19.0% |
| 10 | 12,196 | 0.280 | 10,476 | 0.241 | 26.7% |
| 11 | 12,075 | 0.277 | 10,617 | 0.244 | 41.5% |
| 12 | 11,963 | 0.275 | 10,949 | 0.251 | 26.7% |
| 13 | 11,765 | 0.270 | 10,781 | 0.248 | 31.6% |
| 14 | 11,962 | 0.275 | 10,495 | 0.241 | 32.7% |
| 15 | 14,582 | 0.335 | 10,561 | 0.242 | 22.1% |
| 16 | 14,216 | 0.326 | 10,000 | 0.230 | 16.4% |
| 17 | 11,771 | 0.270 | 10,000 | 0.230 | 13.6% |
| 18 | 11,742 | 0.270 | 10,000 | 0.230 | 10.5% |
| 19 | 10,000 | 0.230 | 10,000 | 0.230 | 31.0% |
| PARCEL "A" | 25,404 | 0.583 | 25,404 | 0.583 | 17.3% |

LOT AREA TABLE

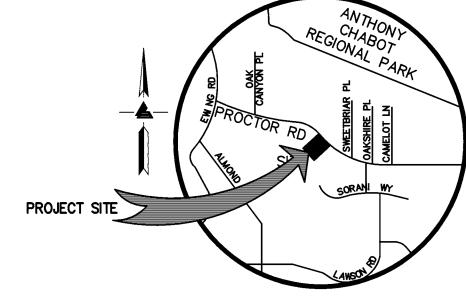
GROSS AREA NET AREA

TOTALS | 250,793 | 5.758 | 219,283 | 5.035 *AVERAGE 11,863 0.272 10,204 0.234 22%

LOT DENSITY = *NOT INCLUDING PARCEL "A"

> ON-SITE PARKING: TOTAL (N) COMMON PARKING STALLS: 25 LOT 19 PARKING WILL BE ON PROCTOR ROAD.

3.30 LOTS PER ACRE



VICINITY MAP

PROPERTY OWNER/DEVELOPER

HUE TRAN 4584 EWNG ROAD CASTRO VALLEY, CA 94546 (510) 537-8922

JIM TOBY, P.E., P.L.S. LEA & BRAZE ENGINEERING, INC. 2495 INDUSTRIAL PARKWAY WEST HAYWARD, CA 94545

(510) 887-4086

084D-1403-014-17

5.758 AC (TOTAL)

UTILITIES / SERVICES

EAST BAY MUNICIPAL UTILITY DISTRICT (E.B.M.U.D **SEWER** CASTRO VALLEY SANITARY DISTRICT PACIFIC GAS AND ELECTRIC (PG&E) **ELECTRICITY** PACIFIC GAS AND ELECTRIC (PG&E TELEPHONE FIRE PROTECTION COUNTY OF ALAMEDA

NOTES

ZONING R-1-BE-CSU-RV (6500 S.F. MINIMUM PER LOT) / R.H 6.5 (5,000 TO 10,000 SF, 4 TO 8 UNITS PER NET ACRE) (EXISTING & PROPOSED)

TOPOGRAPHIC SURVEY

"TOPOGRAPHIC SURVEY" 4651 PROCTOR ROAD. CASTRO VALLEY, CA PROJECT #: 2070417

ESTIMATED EARTHWORK QUANTITIES

14,334 C.Y. 14,633 C.Y. IMPORT 299 C.Y.

NOTE: GRADING QUANTITIES REPRESENT BANK YARDAGE. IT DOES NOT INCLUDE ANY SWELLING OR SHRINKAGE FACTORS AND IS INTENDED TO REPRESENT IN-SITU CONDITIONS. QUANTITIES DO NOT INCLUDE OVER-EXCAVATION, TRENCHING, STRUCTURAL FOUNDATIONS OR PIERS, OR POOL EXCAVATION (IF ANY). NOTE ADDITIONAL EARTHWORKS, SUCH AS KEYWAYS OR BENCHING MAY BE REQUIRED BY THE GEOTECHNICAL ENGINEER IN THE FIELD AT TIME OF CONSTRUCTION. CONTRACTOR TO VERIFY QUANTITIES

DRAINAGE SYSTEM SHALL BE DESIGNED TO FLOW THROUGH LANDSCAPE AREAS WHERE PRACTICAL PRIOR TO THE INTRODUCTION TO UNDERGROUND PIPE SYSTEM. THE DRAINAGE SYSTEM SHALL INCORPORATE INDIVIDUAL SITE DETENTION/METERING SYSTEM AND A LARGE DETENTION/METERING VAULT TO MAINTAIN THE POST CONSTRUCTION STORMWATER FLOWS AT THE PRE-CONSTRUCTION

PROPOSED STREET NAME AND ALTERNATES

(IN ORDER OF DESIRED USE) PROCTOR COURT BAYMEW COURT

3. DR. STAMM COURT

SOILS REPORT PROVIDED BY: HENRY JUSTINIANO & ASSOCIATES ENTITLED: "GEOTECHNICAL INVESTIGATION" PROPOSED 24 LOT SUBDIVISION, TENTATIVE MAP 8053 PLUS ADJACENT LOT 3 & 4 FRONTING PROCTOR ROAD. 4651 PROCTOR ROAD CASTRO VALLEY, CA DATED: NOVEMBER 4, 2010

JOB #: T-123-01 SHEET INDEX

TITLE SHEET C-2LOT LAYOUT

PRELIMINARY GRADING & DRAINAGE PLAN

PRELIMINARY UTILITY PLAN AREA OF DETAIL AT PROCTOR ROAD SITE SECTIONS C-6

C-7SITE SECTIONS L-1 EXISTING LANDSCAPE CONDITIONS NEW LANDSCAPE & PARKING PLAN L-2

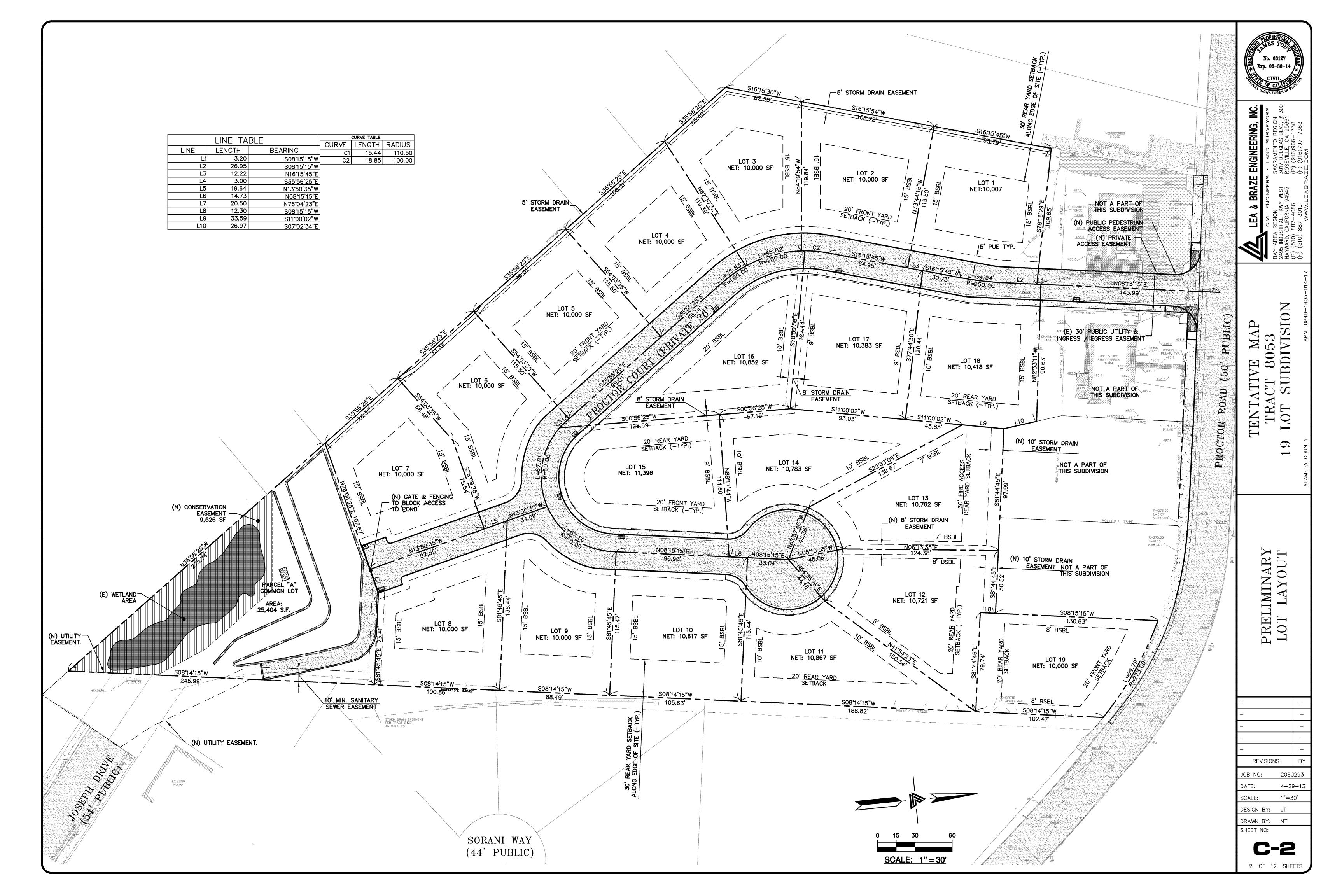
ER-1 PRELIMINARY EROSION CONTROL PLAN ER-2 EROSION CONTROL DETAILS ROADWAY PROFILE

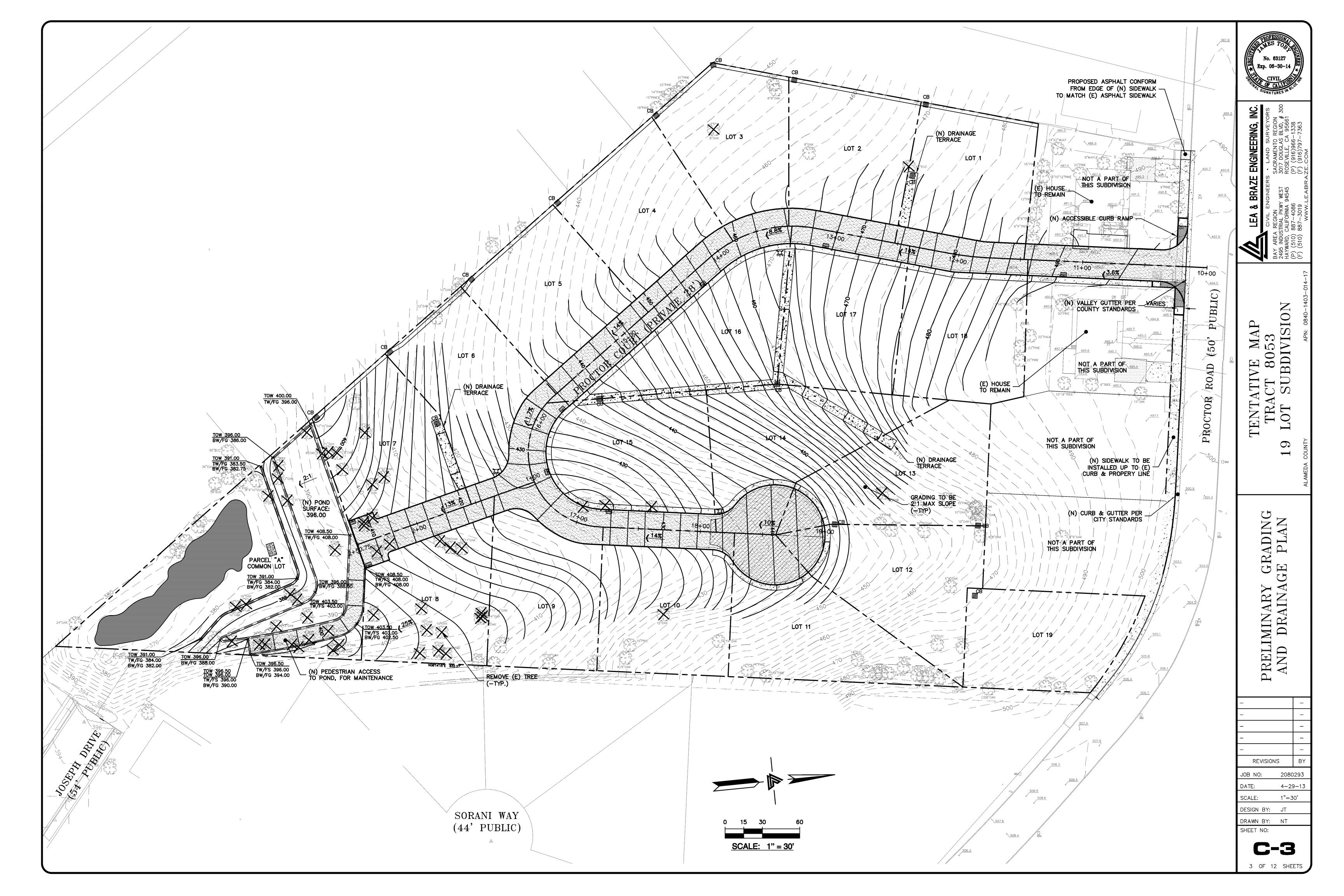
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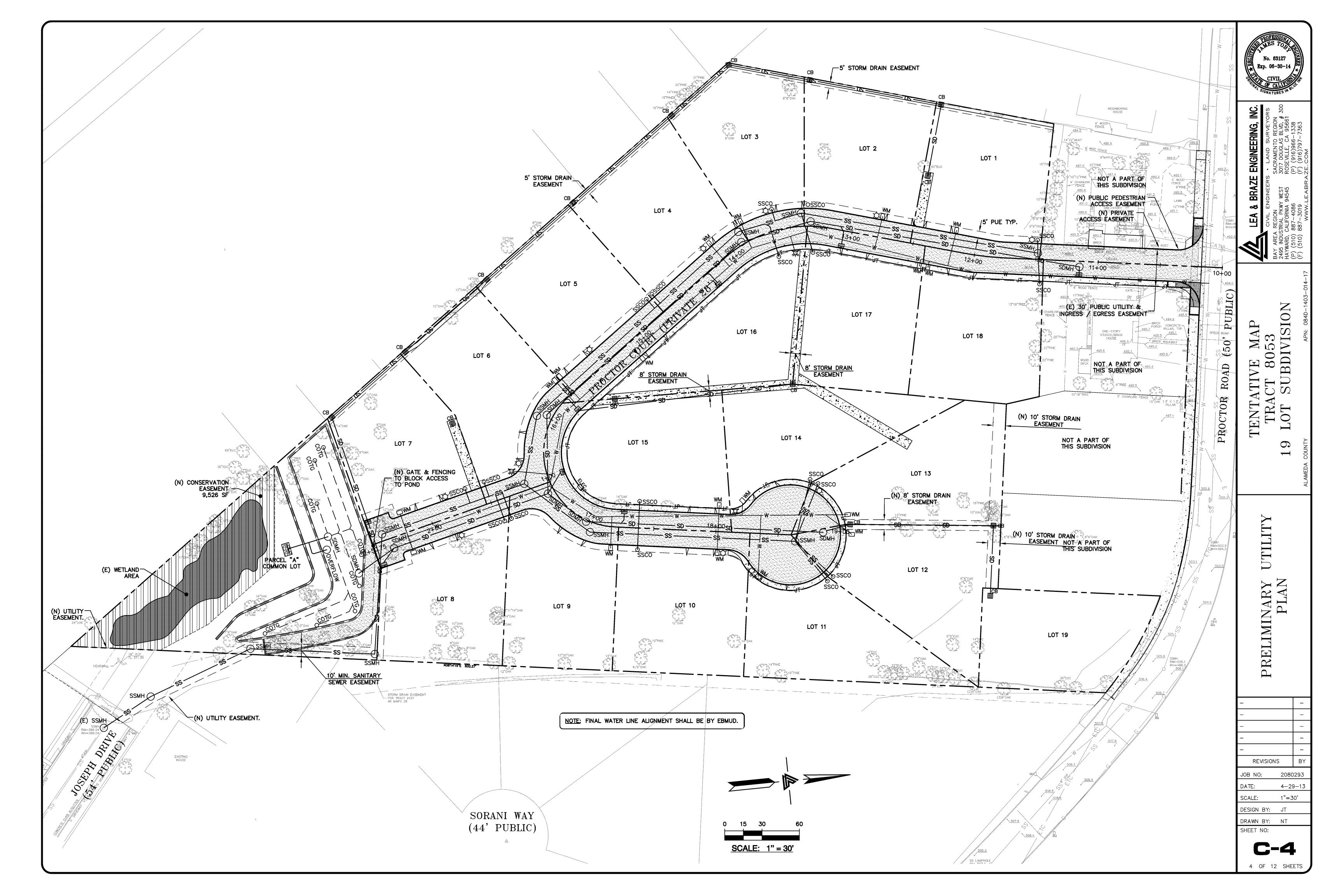
REVISIONS JOB NO: 2080293

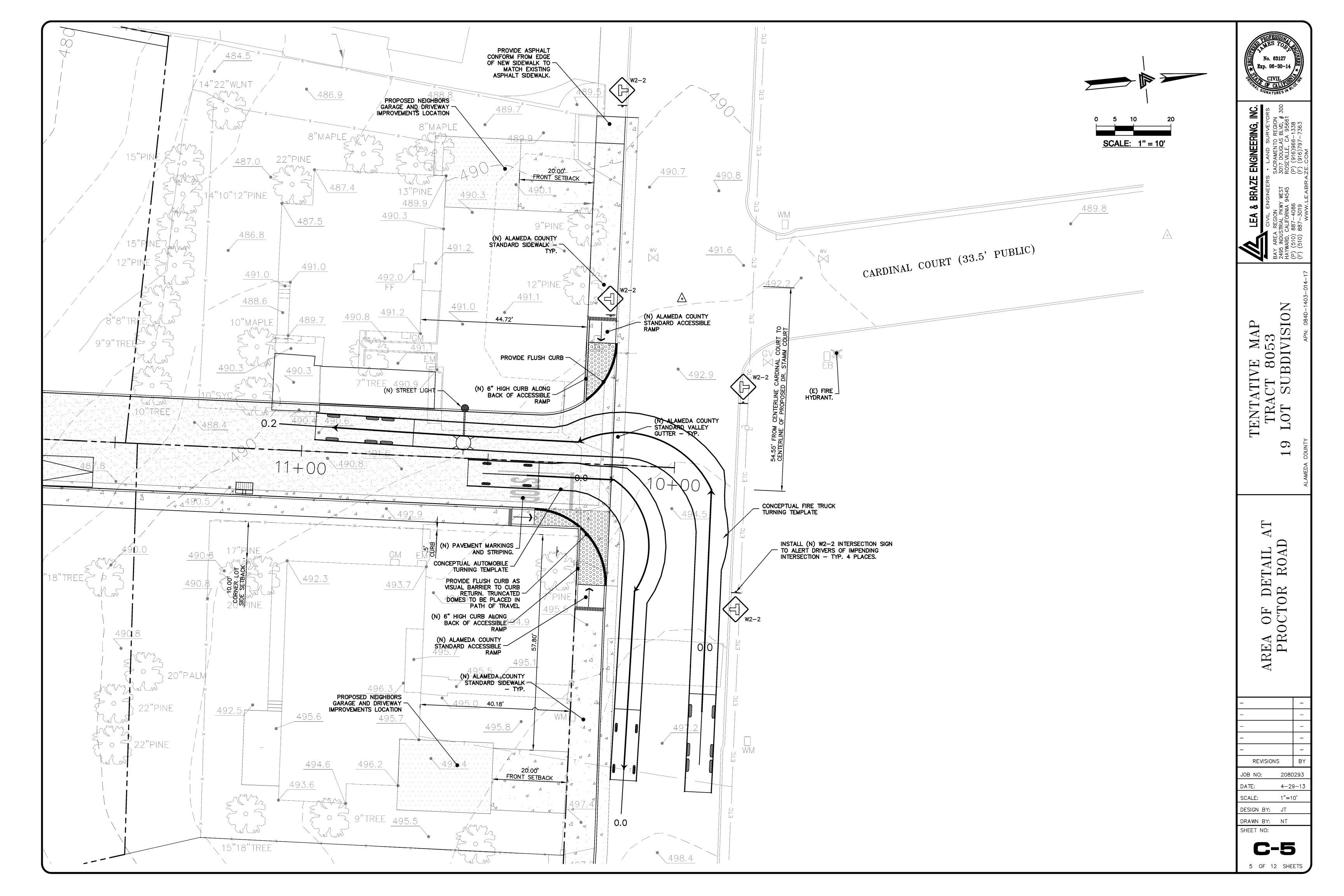
DATE: 4-29-13 SCALE: AS SHOWN DESIGN BY: JT DRAWN BY: NT SHEET NO:

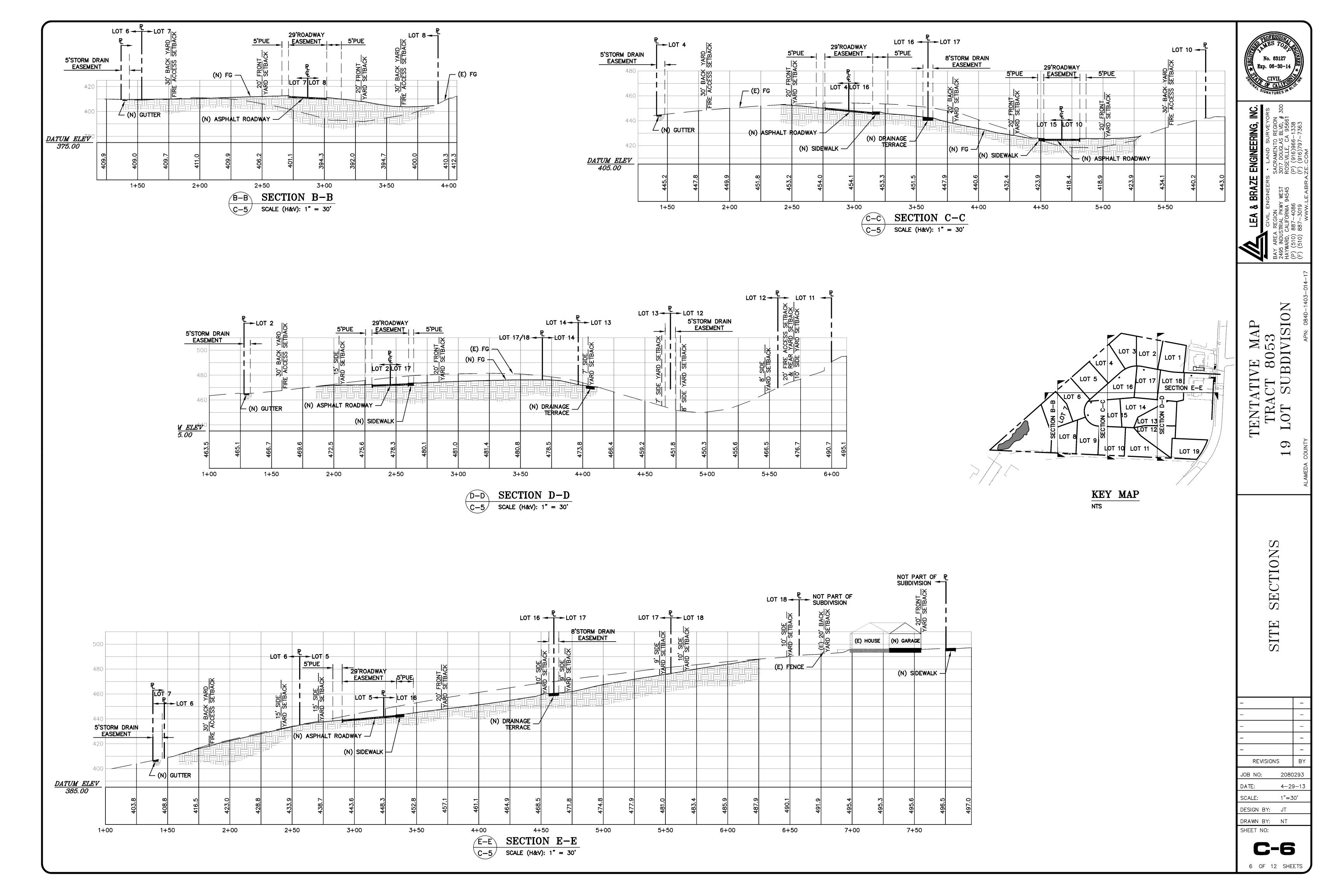
OF 12 SHEETS

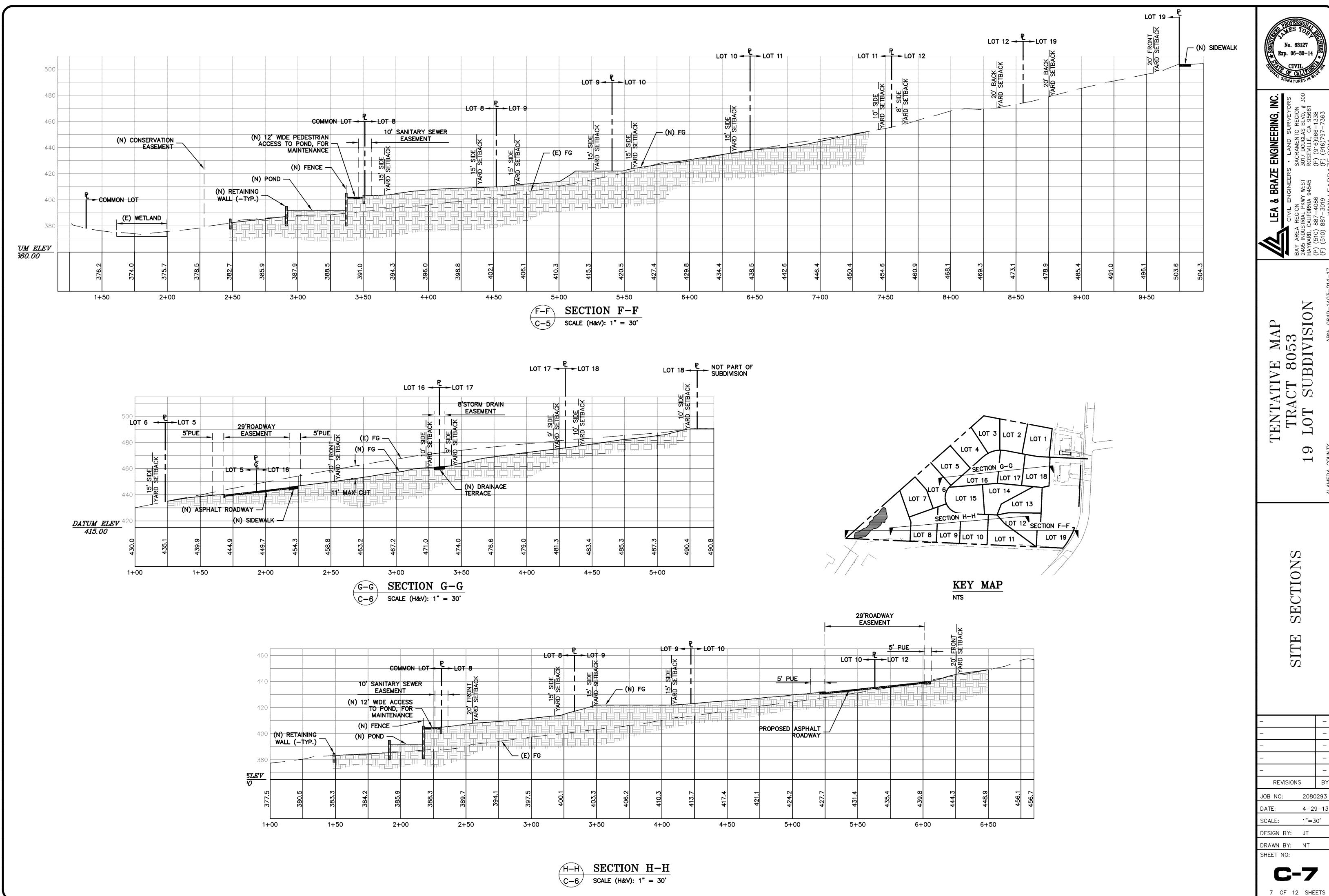












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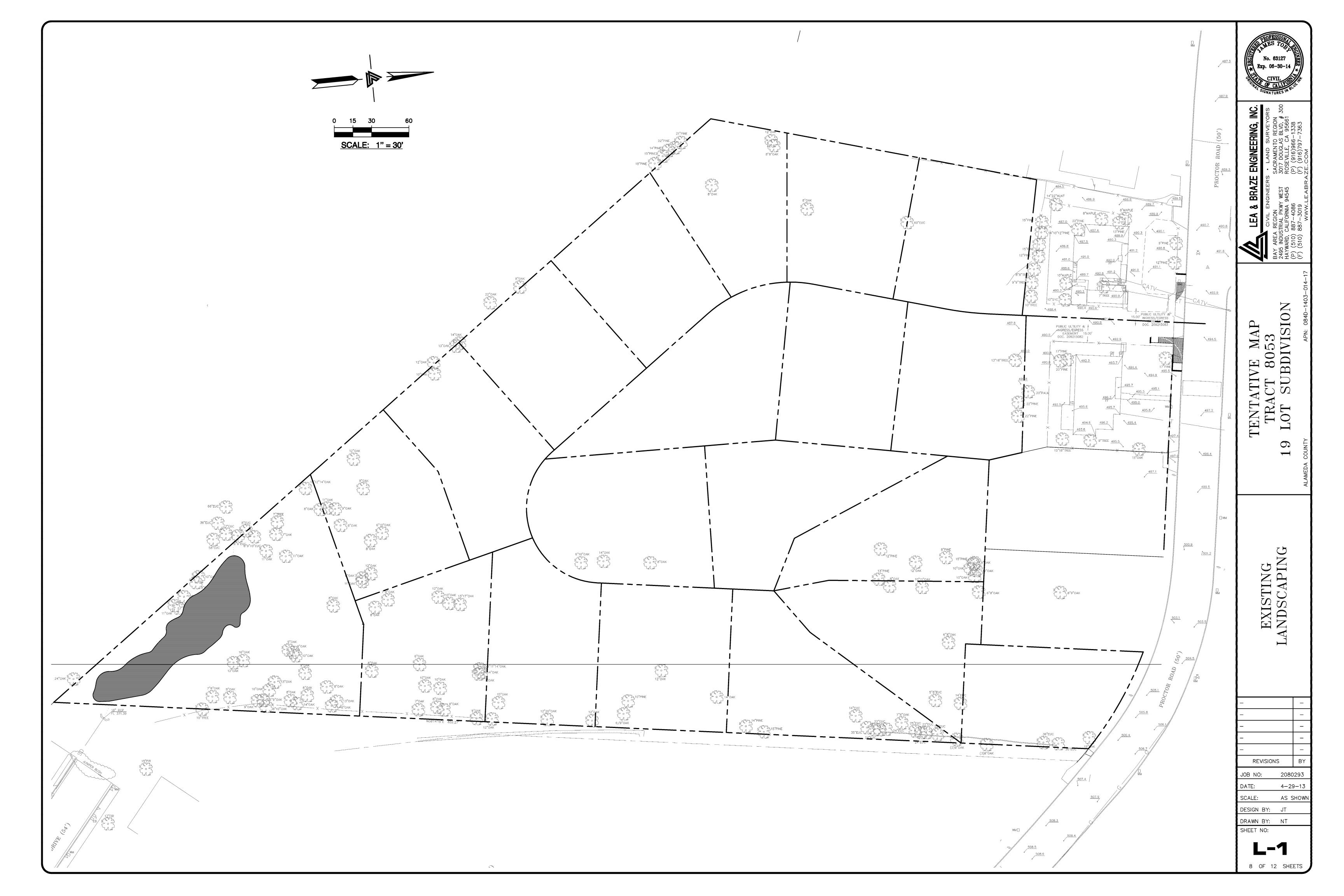
TENTATIVE MAP
TRACT 8053
LOT SUBDIVISION

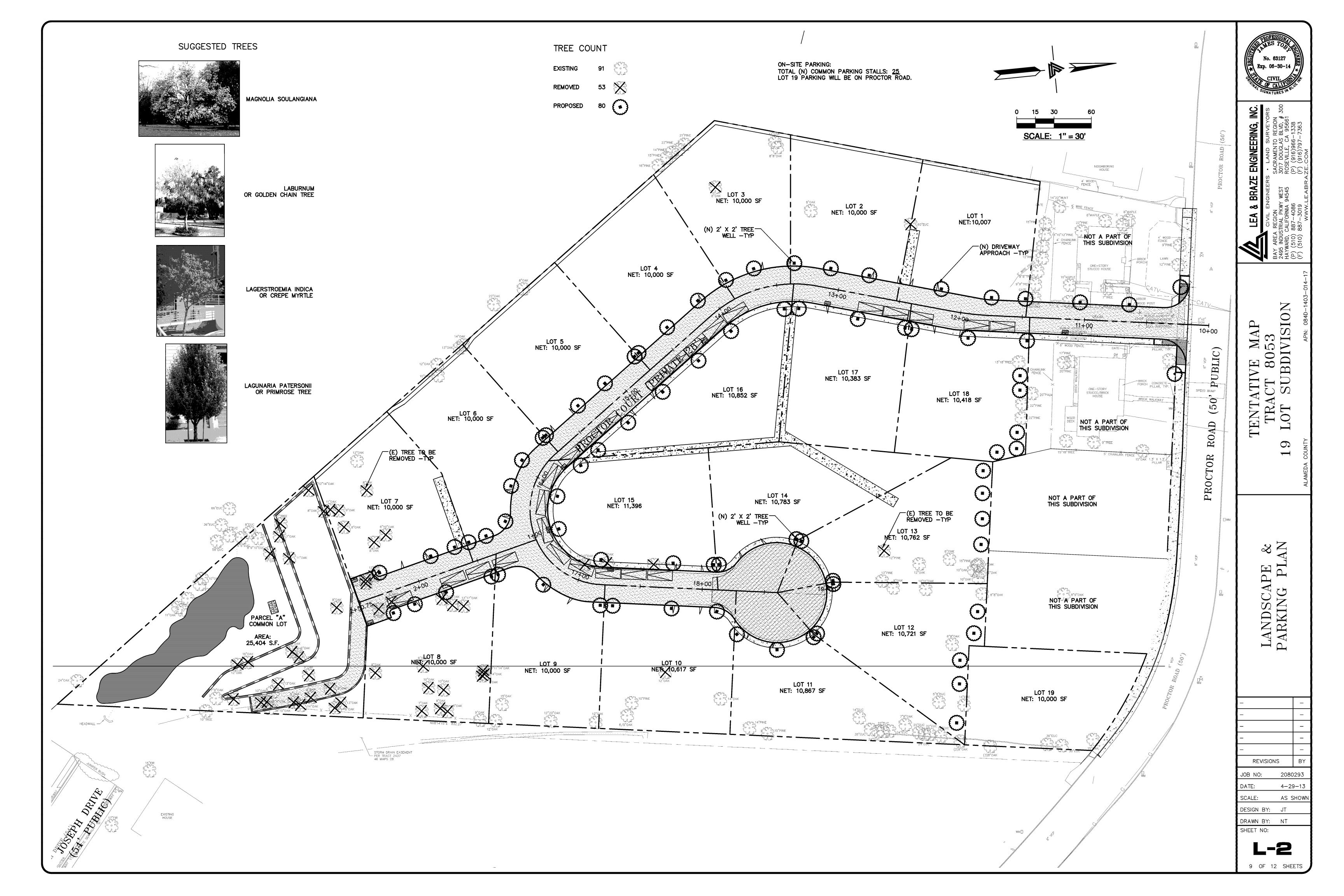
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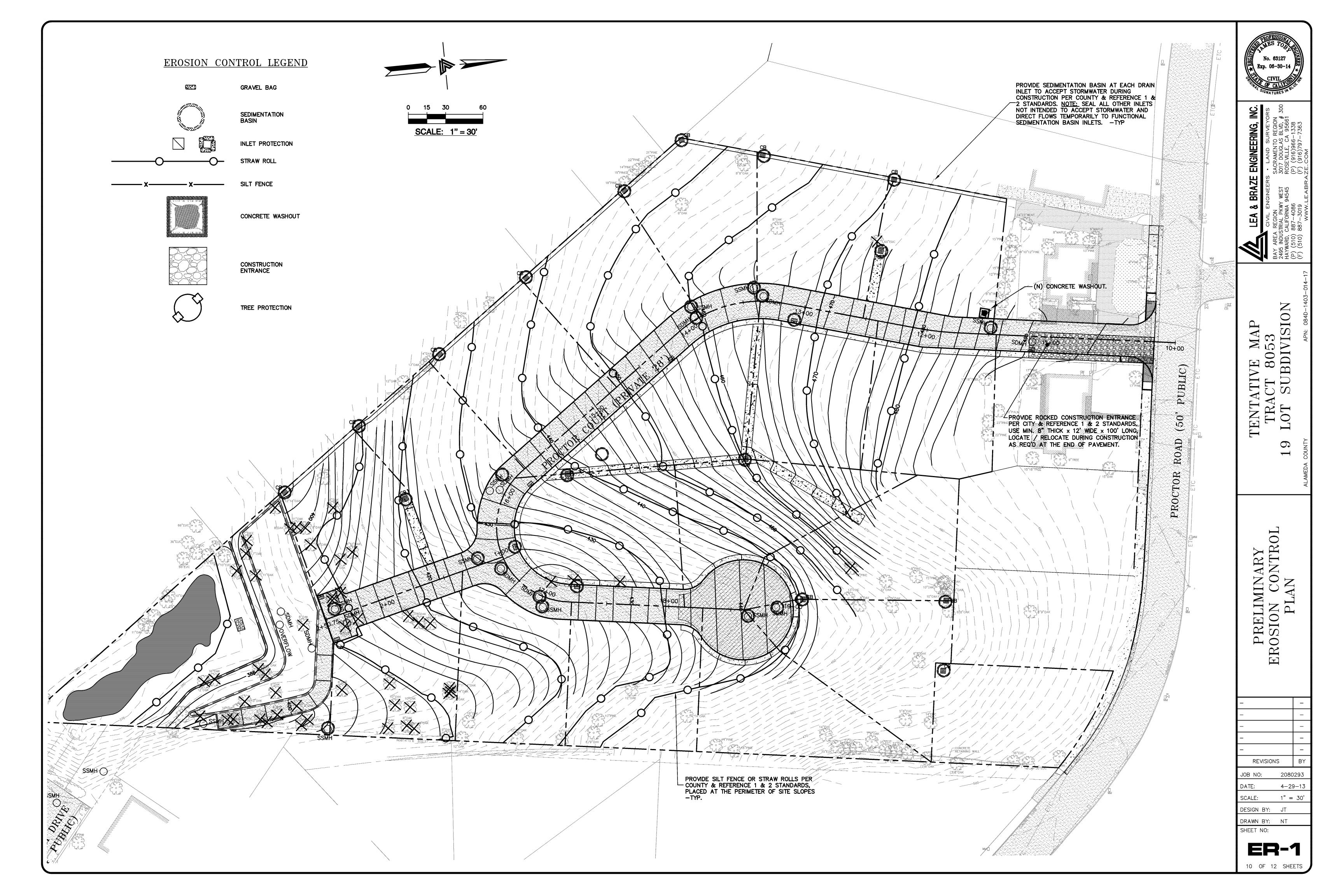
LION SEC SITE

REVISIONS

JOB NO: 2080293 4-29-13 1"=30' DESIGN BY: JT DRAWN BY: NT







PURPOSE:

THE PURPOSE OF THIS PLAN IS TO STABILIZE THE SITE TO PREVENT EROSION OF GRADED AREAS AND TO PREVENT SEDIMENTATION FROM LEAVING THE CONSTRUCTION AREA AND AFFECTING NEIGHBORING SITES, NATURAL AREAS, PUBLIC FACILITIES OR ANY OTHER AREA THAT MIGHT BE AFFECTED BY SEDIMENTATION. ALL MEASURES SHOWN ON THIS PLAN SHOULD BE CONSIDERED THE MINIMUM REQUIREMENTS NECESSARY. SHOULD FIELD CONDITIONS DICTATE ADDITIONAL MEASURES, SUCH MEASURES SHALL BE PER CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL AND THE CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION. LEA & BRAZE ENGINEERING SHOULD BE NOTIFIED IMMEDIATELY SHOULD CONDITIONS CHANGE.

EROSION CONTROL NOTES:

- 1. IT SHALL BE THE OWNER'S/CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CONTROL OF THE ENTIRE CONSTRUCTION OPERATION AND TO KEEP THE ENTIRE SITE IN COMPLIANCE WITH THIS EROSION CONTROL PLAN.
- 2. THE INTENTION OF THIS PLAN IS FOR INTERIM EROSION AND SEDIMENT CONTROL ONLY. ALL EROSION CONTROL MEASURES SHALL CONFORM TO CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL, THE CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION, AND THE LOCAL GOVERNING AGENCY FOR THIS PROJECT.
- 3. OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO, DURING, AND AFTER STORM EVENTS. PERSON IN CHARGE OF MAINTAINING EROSION CONTROL MEASURES SHOULD WATCH LOCAL WEATHER REPORTS AND ACT APPROPRIATELY TO MAKE SURE ALL NECESSARY MEASURES ARE IN PLACE.
- 4. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- 5. DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEM, INCLUDING EXISTING DRAINAGE SWALES AND WATERCOURSES.
- 6. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED. COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS CONCERNING POLLUTION SHALL BE MAINTAINED AT ALL TIMES.
- 7. CONTRACTOR SHALL PROVIDE DUST CONTROL AS REQUIRED BY THE APPROPRIATE FEDERAL, STATE AND LOCAL AGENCY REQUIREMENTS.
- 8. ALL MATERIALS NECESSARY FOR THE APPROVED EROSION CONTROL MEASURES SHALL BE IN PLACE BY OCTOBER 1ST.
- 9. EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE RAINY SEASON, OR FROM OCTOBER 1ST THROUGH APRIL 15TH. WHICHEVER IS LONGER.
- 10. IN THE EVENT OF RAIN, ALL GRADING WORK IS TO CEASE IMMEDIATELY AND THE SITE IS TO BE SEALED IN ACCORDANCE WITH THE APPROVAL EROSION CONTROL MEASURES AND APPROVED EROSION CONTROL PLAN.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND REPAIRING EROSION CONTROL SYSTEMS AFTER EACH STORM.
- 12. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY COUNTY'S ENGINEERING DEPARTMENT OR BUILDING OFFICIALS.
- 13. MEASURES SHALL BE TAKEN TO COLLECT OR CLEAN ANY ACCUMULATION OR DEPOSIT OF DIRT, MUD. SAND. ROCKS, GRAVEL OR DEBRIS ON THE SURFACE OF ANY STREET. ALLEY OR PUBLIC PLACE OR IN ANY PUBLIC STORM DRAIN SYSTEMS. THE REMOVAL OF AFORESAID SHALL BE DONE BY STREET SWEEPING OR HAND SWEEPING. WATER SHALL NOT BE USED TO WASH SEDIMENTS INTO PUBLIC OR PRIVATE DRAINAGE FACILITIES.
- 14. EROSION CONTROL MEASURES SHALL BE ON-SITE FROM SEPTEMBER 15TH THRU APRIL 15TH.
- 15. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE RAINY SEASON OR FROM OCTOBER 1 THRU APRIL 15. WHICHEVER IS GREATER.

PERIODIC MAINTENANCE:

- 1. MAINTENANCE IS TO BE PERFORMED AS FOLLOWS:
- A. DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION SHALL BE REPAIRED AT THE END OF EACH WORKING DAY.
- B. SWALES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED AS NEEDED.
- C. SEDIMENT TRAPS, BERMS, AND SWALES ARE TO BE INSPECTED AFTER EACH STORM AND REPAIRS MADE AS NEEDED.
- D. SEDIMENT SHALL BE REMOVED AND SEDIMENT TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH OF 1' FOOT.
- E. SEDIMENT REMOVED FROM TRAP SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- F. RILLS AND GULLIES MUST BE REPAIRED.
- GRAVEL BAG INLET PROTECTION SHALL BE CLEANED OUT WHENEVER SEDIMENT DEPTH IS ONE HALF THE HEIGHT OF ONE GRAVEL BAG.
- 3. STRAW ROLLS SHALL BE PERIODICALLY CHECKED TO ASSURE PROPER FUNCTION AND CLEANED OUT WHENEVER THE SEDIMENT DEPTH REACHED HALF THE HEIGHT OF THE ROLL
- AND CLEANED OUT WHENEVER THE SEDIMENT DEPTH REACHES ONE FOOT IN HEIGHT.

4. SILT FENCE SHALL BE PERIODICALLY CHECKED TO ASSURE PROPER FUNCTION

- 5. CONSTRUCTION ENTRANCE SHALL BE REGRAVELED AS NECESSARY FOLLOWING SILT/SOIL BUILDUP.
- 6. ANY OTHER EROSION CONTROL MEASURES SHOULD BE CHECKED AT REGULAR INTERVALS TO ASSURE PROPER FUNCTION

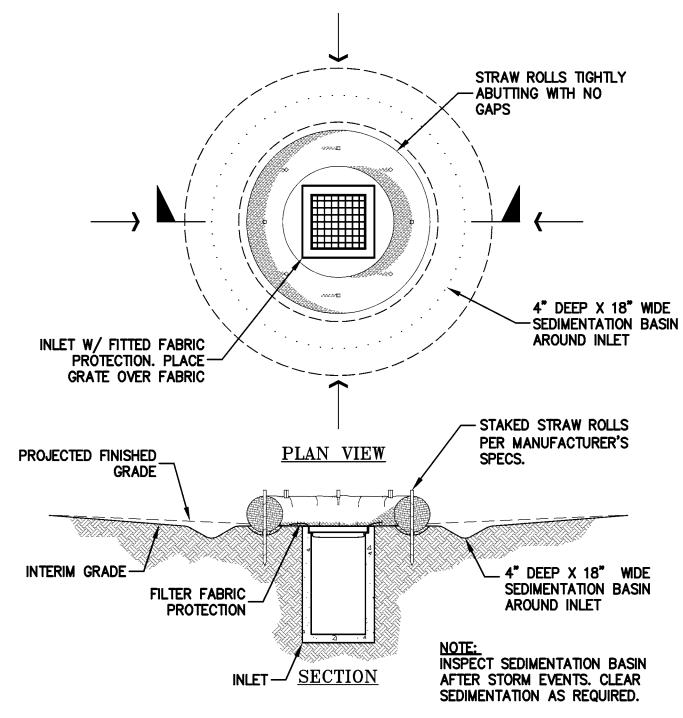
EROSION CONTROL MEASURES:

- 1. THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON. OCTOBER 1ST TO APRIL 15TH. EROSION CONTROL FACILITIES SHALL BE IN PLACE PRIOR TO OCTOBER 1ST OF ANY YEAR. GRADING OPERATIONS DURING THE RAINY SEASON WHICH LEAVE DENUDED SLOPES SHALL BE PROTECTED WITH EROSION CONTROL MEASURES IMMEDIATELY FOLLOWING GRADING ON THE SLOPES.
- 2. SITE CONDITIONS AT TIME OF PLACEMENT OF EROSION CONTROL MEASURES WILL VARY. APPROPRIATE ACTION INCLUDING TEMPORARY SWALES. INLETS. HYDROSEEDING, STRAW BALES, ROCK SACKS, ETC. SHALL BE TAKEN TO PREVENT EROSION AND SEDIMENTATION FROM LEAVING SITE. EROSION CONTROL MEASURES SHALL BE ADJUSTED AS THE CONDITIONS CHANGE AND THE NEED OF CONSTRUCTION SHIFT.
- 3. CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING. ALL CONSTRUCTION TRAFFIC ENTERING ONTO THE PAVED ROADS MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCES. CONTRACTOR SHALL MAINTAIN STABILIZED ENTRANCE AT EACH VEHICLE ACCESS POINT TO EXISTING PAVED STREETS. ANY MUD OR DEBRIS TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED DAILY AND AS REQUIRED BY THE GOVERNING AGENCY.
- 4. ALL EXPOSED SLOPES THAT ARE NOT VEGETATED SHALL BE HYDROSEEDED. IF HYDROSEEDING IS NOT USED OR IS NOT EFFECTIVE BY OCTOBER 1, THEN OTHER IMMEDIATE METHODS SHALL BE IMPLEMENTED, SUCH AS EROSION CONTROL BLANKETS, OR A THREE-STEP APPLICATION OF 1) SEED, MULCH, FERTILIZER 2) BLOWN STRAW 3) TACKIFIER AND MULCH. HYDROSEEDING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF SECTION 20" EROSION CONTROL AND HIGHWAY PLANTING" OF THE STANDARD SPECIFICATION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, AS LAST REVISED. REFER TO THE EROSION CONTROL SECTION OF THE GRADING SPECIFICATIONS THAT ARE A PART OF THIS PLAN SET FOR FURTHER INFORMATION.
- 5. INLET PROTECTION SHALL BE INSTALLED AT OPEN INLETS TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM. INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL ARE TO BE BLOCKED TO PREVENT ENTRY OF SEDIMENT. MINIMUM INLET PROTECTION SHALL CONSIST OF A ROCK SACKS OR AS SHOWN ON THIS PLAN
- 6. THIS EROSION AND SEDIMENT CONTROL PLAN MAY NOT COVER ALL THE SITUATIONS THAT MAY ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS AND ADDITIONS MAY BE MADE TO THIS PLAN IN THE FIELD. A REPRESENTATIVE OF LEA & BRAZE ENGINEERING SHALL PERFORM A FIELD REVIEW AND MAKE RECOMMENDATIONS AS NEEDED. CONTRACTOR IS RESPONSIBLE TO NOTIFY LEA & BRAZE ENGINEERING AND THE GOVERNING AGENCY OF ANY CHANGES.
- 7. THE EROSION CONTROL MEASURES SHALL CONFORM TO THE COUNTY STANDARDS AND THE APPROVAL OF THE COUNTY'S ENGINEERING DEPARTMENT.
- 8. STRAW ROLLS SHALL BE PLACED AT THE TOE OF SLOPES AND ALONG THE DOWNSLOPE PERIMETER OF THE PROJECT. THEY SHALL BE PLACED AT 25 FOOT INTERVALS ON GRADED SLOPES. PLACEMENT SHALL RUN WITH THE CONTOURS AND ROLLS SHALL BE TIGHTLY ENDBUTTED. CONTRACTOR SHALL REFER TO MANUFACTURES SPECIFICATIONS FOR PLACEMENT AND INSTALLATION INSTRUCTIONS.

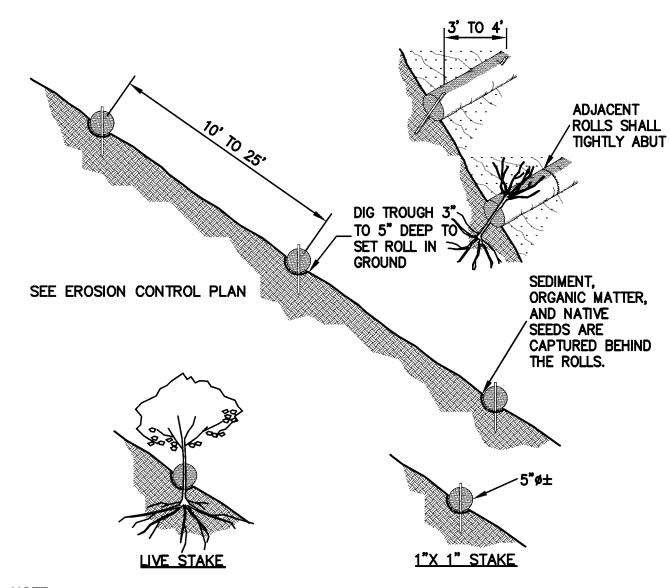
REFERENCES:

ER-2/

- CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL
- 2. CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION



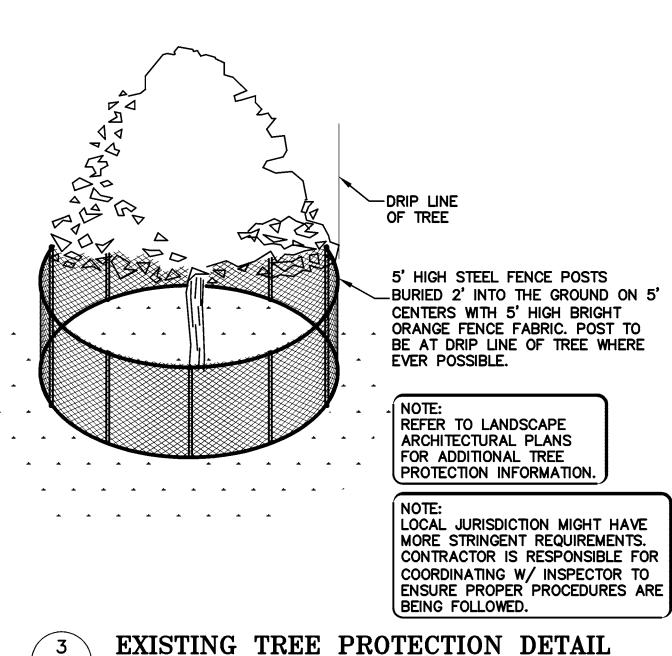


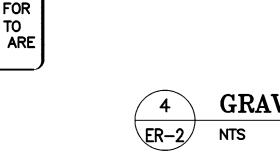


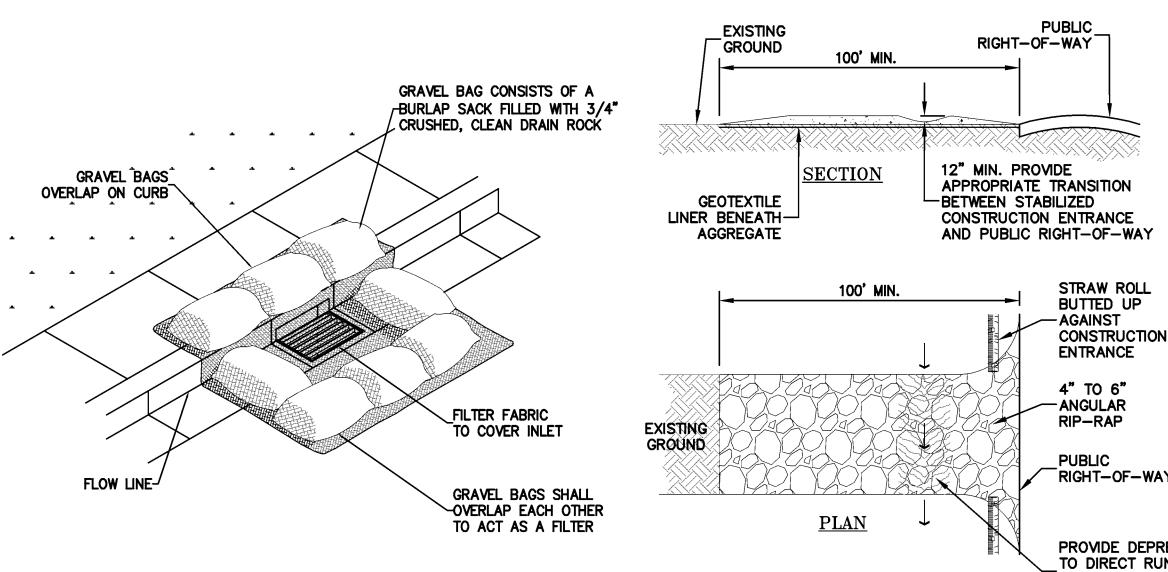
STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3" TO 5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

2. CONTRACTOR IS RESPONSIBLE FOR REGULAR MAINTENANCE AND INSPECTION. THE SILT SHALL BE CLEANED OUT WHEN IT REACHES HALF THE HEIGHT OF THE ROLL.

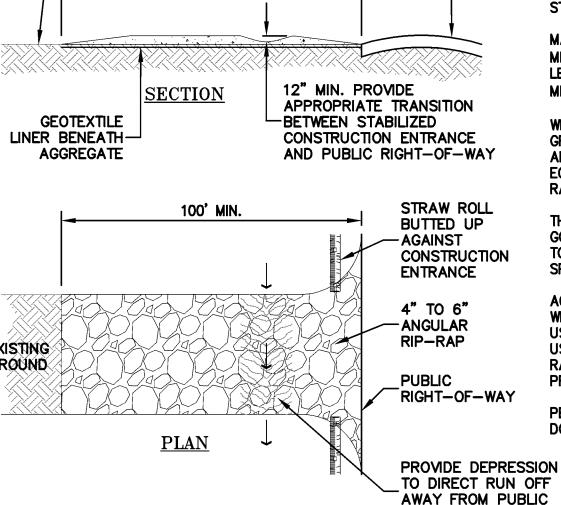








GRAVEL BAG INLET PROTECTION



CONSTRUCTION ENTRANCE ER-2

NOTES:

STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3" TO 4" WASHED, FRACTURED STONE AGGREGATE.

> MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF 12". LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 100'.

WIDTH SHALL BE A MIN. OF 15' OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING

THE ENTRANCE SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH MATERIAL AS SPECIFIED IN ABOVE NOTE.

ACCESSES SHALL BE INSPECTED WEEKLY DURING PERIODS OF HEAVY USAGE, MONTHLY DURING NORMAL USAGE, AND AFTER EACH RAINFALL, WITH MAINTENANCE PROVIDED AS NECESSARY.

PERIODIC TOP DRESSING SHALL BE DONE AS NEEDED.

RIGHT-OF-WAY

JOB NO: DATE:

4-29-13 SCALE: DESIGN BY: JT DRAWN BY: NT

ER-2

11 OF 12 SHEETS

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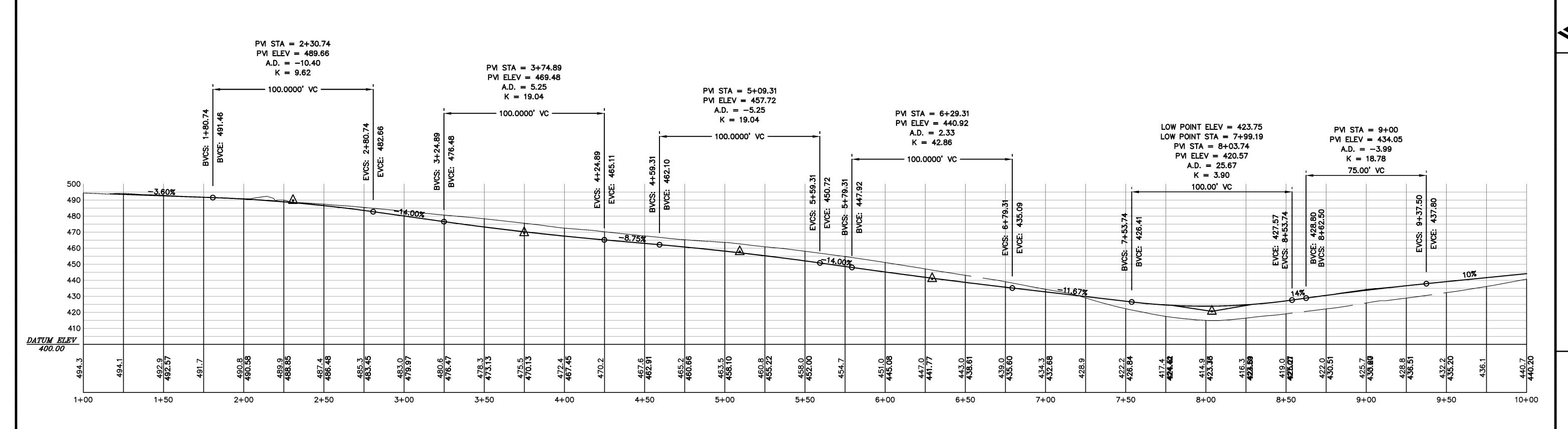
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REVISIONS 2080293

AS NOTED

SHEET NO:



-- ROAD CENTERLINE PROFILE

SCALE (H&V): 1" = 30'

No. 63127
Exp. 06-30-14

CIVIL

CIVIL

SIGNATURES IN BUILDING

SHALE ENGINEERING, INC.

SINEERS · LAND SURVEYORS

SACRAMENTO REGION

WEST 3017 DOUGLAS BLVD, # 300

4545 ROSEVILLE, CA 95661

(P) (916)966-1338

CIVIL ENGINEERS •

BAY AREA REGION

2495 INDUSTRIAL PKWY WEST 3017

HAYWARD, CALIFORNIA 94545 ROS

(P) (510) 887-4086 (P)

(F) (510) 887-3019 (F)

MAL BAY ARE 2495 INDI ATMARD, (P) (510)

TENTATIVE MAP TRACT 8053 19 LOT SUBDIVISION

PRELIMINARY ROAD PROFILE

| | _ | | |
|-----------|---------|--|--|
| | _ | | |
| | _ | | |
| | _ | | |
| | _ | | |
| REVISIONS | BY | | |
| 3 NO: 2 | 2080293 | | |
| TF· 4 | 4-29-13 | | |

JOB NO: 2080293

DATE: 4-29-13

SCALE: AS SHOWN

SCALE: AS SHOODESIGN BY: JT

DRAWN BY: NT

SHEET NO:

EX-1

12 OF 12 SHEETS