



EARTHWORK:

ANALYSIS PERFORMED:
DATE: 01/07/2019

EARTHWORK QUANTITIES:
GROSS CUT = 2,070 CY
GROSS FILL = 3,490 CY
NET (FILL) = 1,420 CY

SECTIONS:

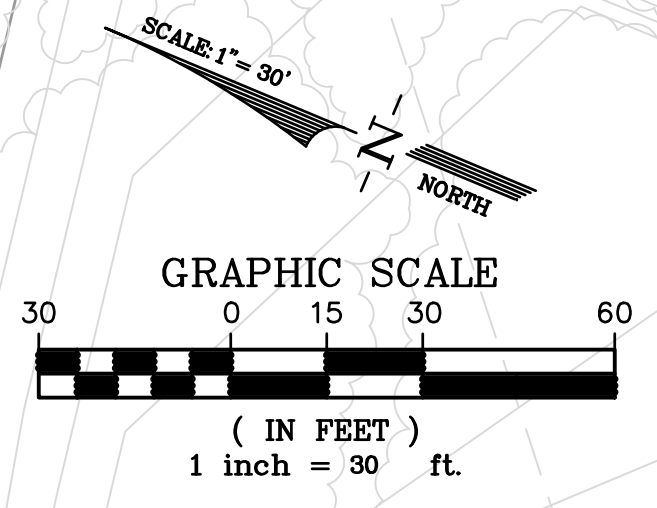
- 1. SEE SHEET C-4.1.3 FOR:
 - SITE SECTIONS
 - CREEK-SETBACK-DETERMINATION TYPICAL SECTION(S).

NOTES:

1. SEE COUNTY GRADING NOTES ON SHEET C-4.1.2
2. SEE BENCHMARK AND BEARING INFORMATION ON SHEET C-4.1.2
3. CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING INDEPENDENT QUANTITY ANALYSIS PRIOR TO BIDDING.
4. ANALYSIS DOES NOT ACCOUNT FOR TRENCH SPOILS, FOOTINGS, SOIL-MITIGATION, OVER-EXCAVATION WORK, OR EXPANSION/CONTRACTION FACTORS.
5. FOUNDATION AND PAVEMENTS SECTIONS ASSUMED TO BE 12" THICK.

LEGEND

SYMBOLS	DESCRIPTION
--- · · ·	INTERIOR PROPERTY BOUNDARY LINE
---	EXTERIOR PROPERTY BOUNDARY LINE
- - - - -	ADJOINERS PROPERTY LINE
- · - · -	STREET CENTERLINE
- - - - -	EASEMENT LINE
- · - · -	GRADE BREAK LINE
- - - - -	DAYLIGHT LIMIT (LIMIT OF WORK)
- · - · -	CONSERVATION EASEMENT
- · - · -	CREEK SETBACK DETERMINATION
- · - · -	FEMA FLOOD PLAIN LIMIT
- · - · -	EDGE OF CREEK TOE
- · - · -	CREEK FLOWLINE
☆	ELECTROLIER
⊠	FIRE HYDRANT
⊞	CATCH BASIN
⊙	AREA DRAIN
⊕	WATER VALVE
⊗	WATER METER
⊖	STORM DRAIN MANHOLE
⊕	SANITARY SEWER CLEANOUT
⊖	SANITARY SEWER MANHOLE
⊗	GAS VALVE
+	SIGN
⊖	ROOF DRAIN
⊕	JOINT POLE
⊖	FENCE
⊕	FINISH FLOOR
⊖	CONCRETE
X 4.85	FINISH GRADE ELEVATION
X GRD 6.13	GROUND ELEVATION
X TP 9.18	TOP OF PAVEMENT ELEV.
X TC 10.82	TOP OF CURB ELEVATION
X BSW 10.82	BACK OF SIDEWALK ELEVATION
X FL 10.31	FLOW LINE ELEVATION
6"W	WATER LINE
12"SD	STORM DRAIN LINE
8"SS	SANITARY SEWER LINE
JT	JOINT UTILITY TRENCH



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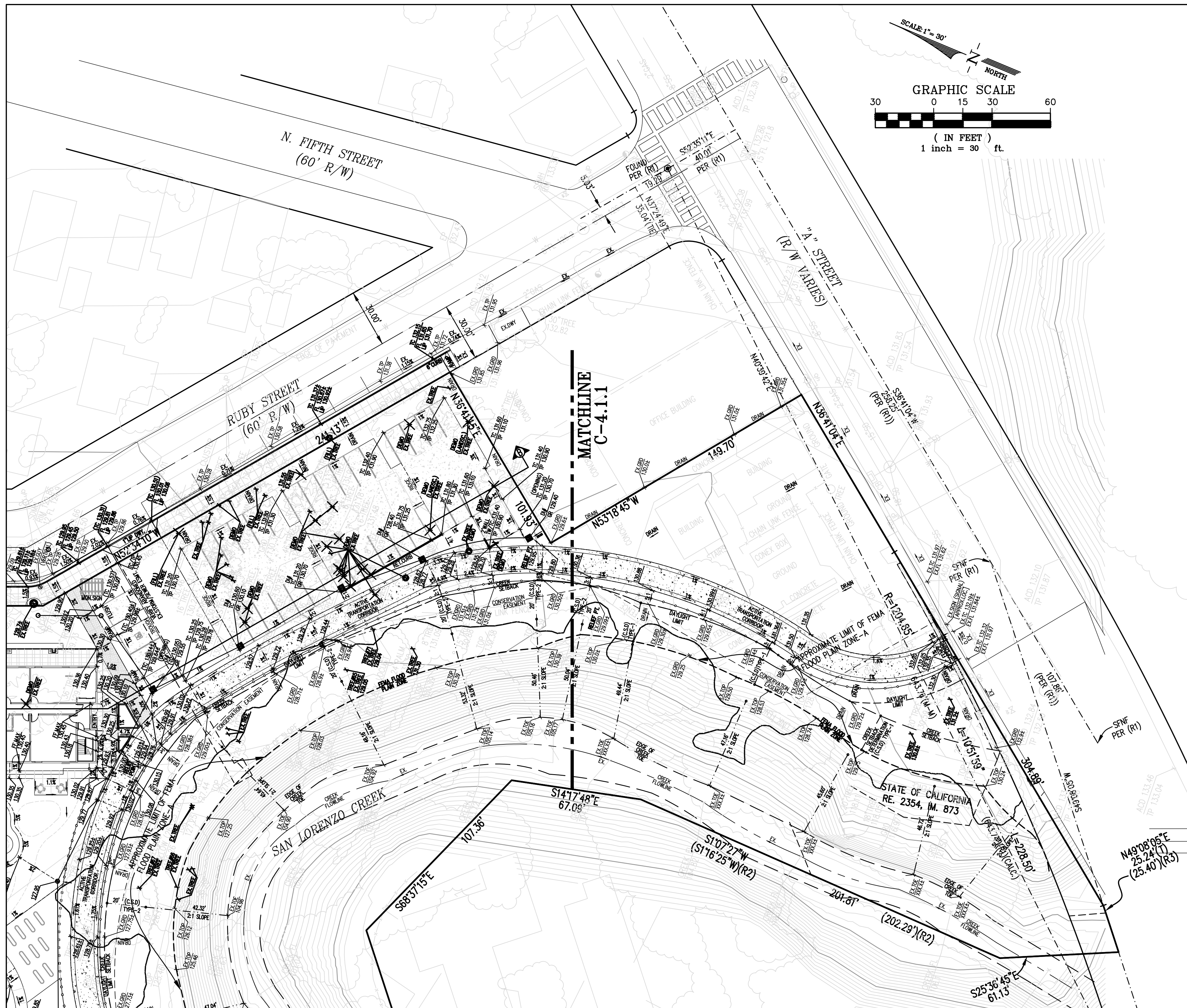
REVISION SCHEDULE

NO.	ISSUE	DATE

JOB NUMBER: 10004410
DRAWN BY: CW
CHECKED BY: JL
DATE: JANUARY 2019
SCALE: 1" = 30'
TITLE: PRELIMINARY GRADING PLAN: ELEVATIONS

SHEET:
C-4.1.1

PRELIMINARY - Not for Construction -



COUNTY GRADING NOTES:

- NO GRADING SHALL BE PERMITTED UNTIL A GRADING PLAN AND EROSION AND SEDIMENTATION CONTROL PLANS HAVE BEEN REVIEWED AND APPROVED BY THE COUNTY AND A GRADING PERMIT OR EXEMPTION IS OBTAINED FROM THE COUNTY OF ALAMEDA PUBLIC WORKS AGENCY IN ACCORDANCE WITH PROVISIONS OF THE ALAMEDA COUNTY GRADING ORDINANCE.
- NO GRADING WORK SHALL BE ALLOWED DURING THE RAINY SEASON, FROM OCTOBER 1 TO APRIL 30 EXCEPT UPON A CLEAR DEMONSTRATION, TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS, THAT AT NO STAGE OF THE WORK WILL THERE BE ANY SUBSTANTIAL RISK OF INCREASED SEDIMENT DISCHARGE FROM THE SITE.
- PRIOR TO ANY WORK WITHIN A WATERCOURSE SETBACK, A WATERCOURSE ENCROACHMENT PERMIT OR A GRADING PERMIT SHALL BE SECURED FROM THE COUNTY OF ALAMEDA PUBLIC WORKS AGENCY IN ACCORDANCE WITH PROVISIONS OF THE ALAMEDA COUNTY WATERCOURSE ORDINANCE. THE WATERCOURSE ORDINANCE ESTABLISHED A SETBACK OF 20 FEET FROM THE TOP OF BANK. HOWEVER, FOR EXISTING BANK SLOPES AT 2:1 OR STEEPER, ESTABLISH THE SETBACK BY DRAWING A LINE AT 2:1 FROM THE TOE OF THE EXISTING BANK TO A POINT WHERE IT INTERCEPTS THE GROUND SURFACE AND THEN ADDING 20 FEET. A SITE GRADING PLAN SHALL DELINEATE THIS WATERCOURSE SETBACK ACCORDINGLY.
- PRIOR TO ANY GRADING WORK NEAR/WITHIN THE WATERCOURSE OR NEAR/WITHIN ANY POTENTIAL RIPARIAN HABITATS FOR THE STATE AND FEDERAL PROTECTED SPECIES, THE OWNER/DEVELOPER SHALL SECURE THE NECESSARY PERMITS OR APPROVALS REQUIRED FROM OTHER REGULATORY STATE AND FEDERAL AGENCIES AS REQUIRED.
- SITES WITH LAND DISTURBANCES GREATER THAN (1) ONE ACRE MUST FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD FOR COVERAGE UNDER THE STATE GENERAL NPDES PERMIT FOR CONSTRUCTION ACTIVITIES. A COPY OF THE NOI MUST BE SUBMITTED TO THE DISTRICT PRIOR TO ISSUANCE OF A GRADING PERMIT FOR THE SITE OR ANY LAND DISTURBANCE ON THE SITE. A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MADE AVAILABLE TO THE DISTRICT PRIOR TO ISSUANCE OF GRADING PERMIT OR ANY LAND DISTURBANCE ON THE SITE.

BASIS OF BEARINGS

THE BASIS OF BEARINGS OF THIS SURVEY IS BASED ON FOUND STREET MONUMENTS ALONG "A" STREET BETWEEN ROCKAWAY LANE AND RUBY STREET AS SHOWN ON THAT CERTAIN RECORD OF SURVEY, FILED AUGUST 7, 1973, IN BOOK 9 OF RECORDS OF SURVEY, AT PAGES 30-31, IN THE OFFICE OF THE COUNTY RECORDER OF ALAMEDA COUNTY, STATE OF CALIFORNIA. THE BEARING IS TAKEN AS NORTH 40°51'45" WEST PER CALIFORNIA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY RECORD MAP R-167.3.

BENCHMARK

ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

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 SCALE: 1" = 30'
 TITLE: PRELIMINARY GRADING PLAN: ELEVATIONS

SHEET:

C-4.1.2

PRELIMINARY - Not for Construction -

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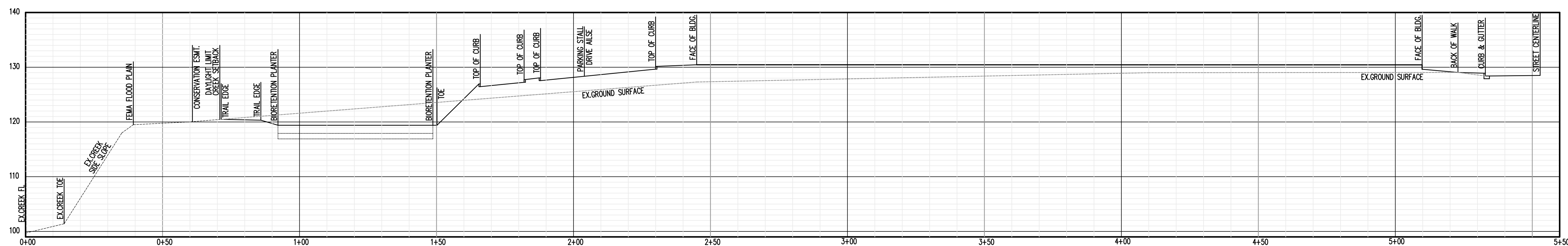
REVISION SCHEDULE
NO. | ISSUE | DATE

JOB NUMBER: 10004A10
DRAWN BY: CW
CHECKED BY: JL
DATE: JANUARY 2019
SCALE: 1" = 30'
TITLE: PRELIMINARY GRADING PLAN - SECTIONS

SHEET:

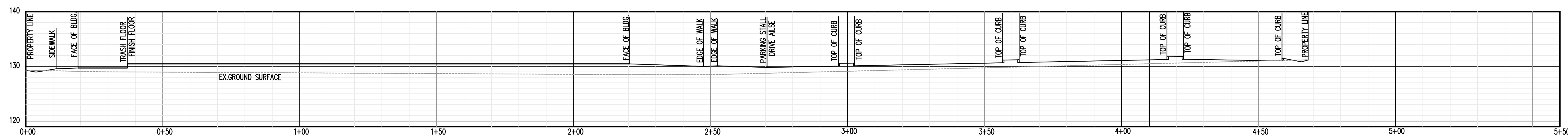
C-4.1.3

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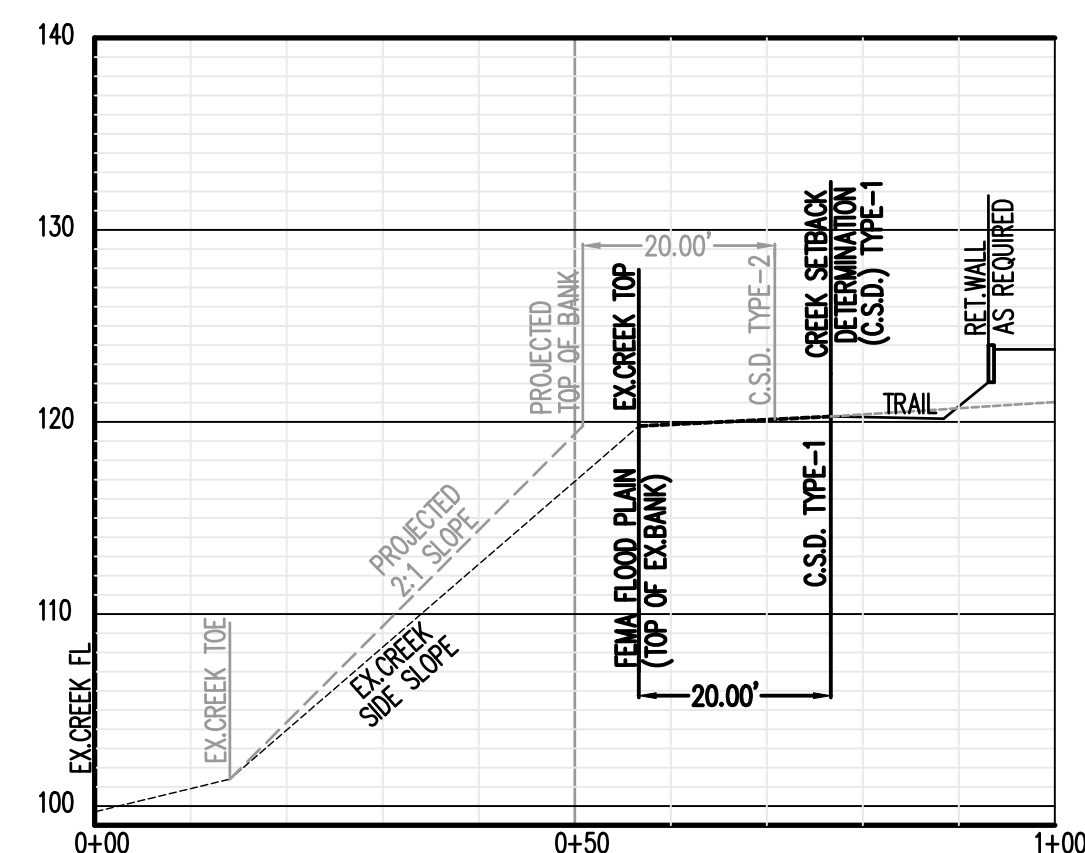
SECTION A-A

HORIZ. 1" = 20'
VERT. 1" = 10'



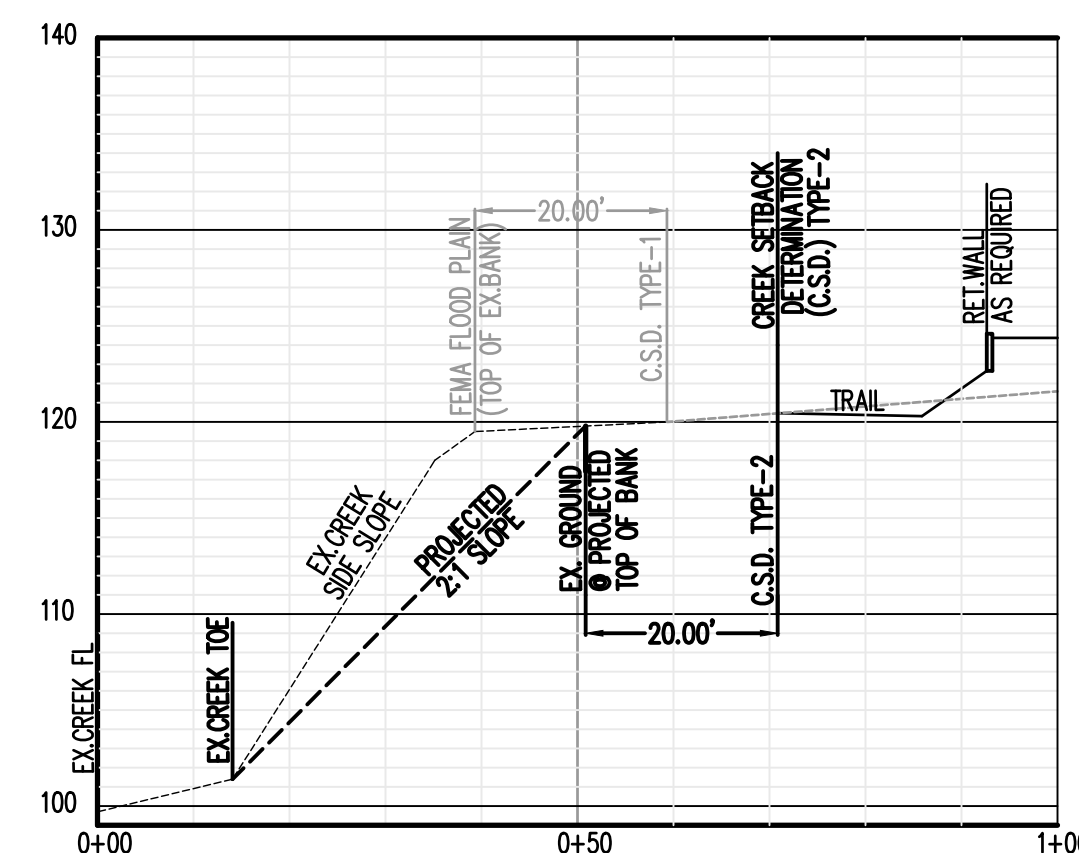
SECTION B-B

HORIZ. 1" = 20'
VERT. 1" = 10'



CREEK SETBACK DETERMINATION TYPE-1

EXAMPLE: FLOOD PLAIN SETBACK
HORIZ. 1" = 20'
VERT. 1" = 10'



CREEK SETBACK DETERMINATION TYPE-2

EXAMPLE: PROJECTED SLOPE SETBACK
HORIZ. 1" = 20'
VERT. 1" = 10'



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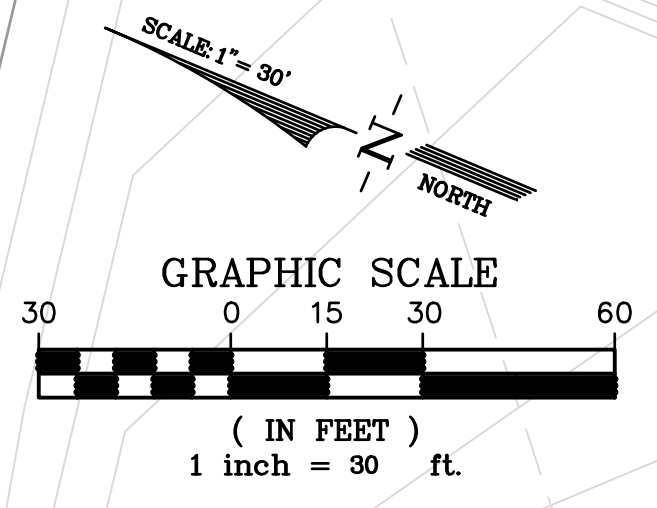
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 NO. | ISSUE | DATE

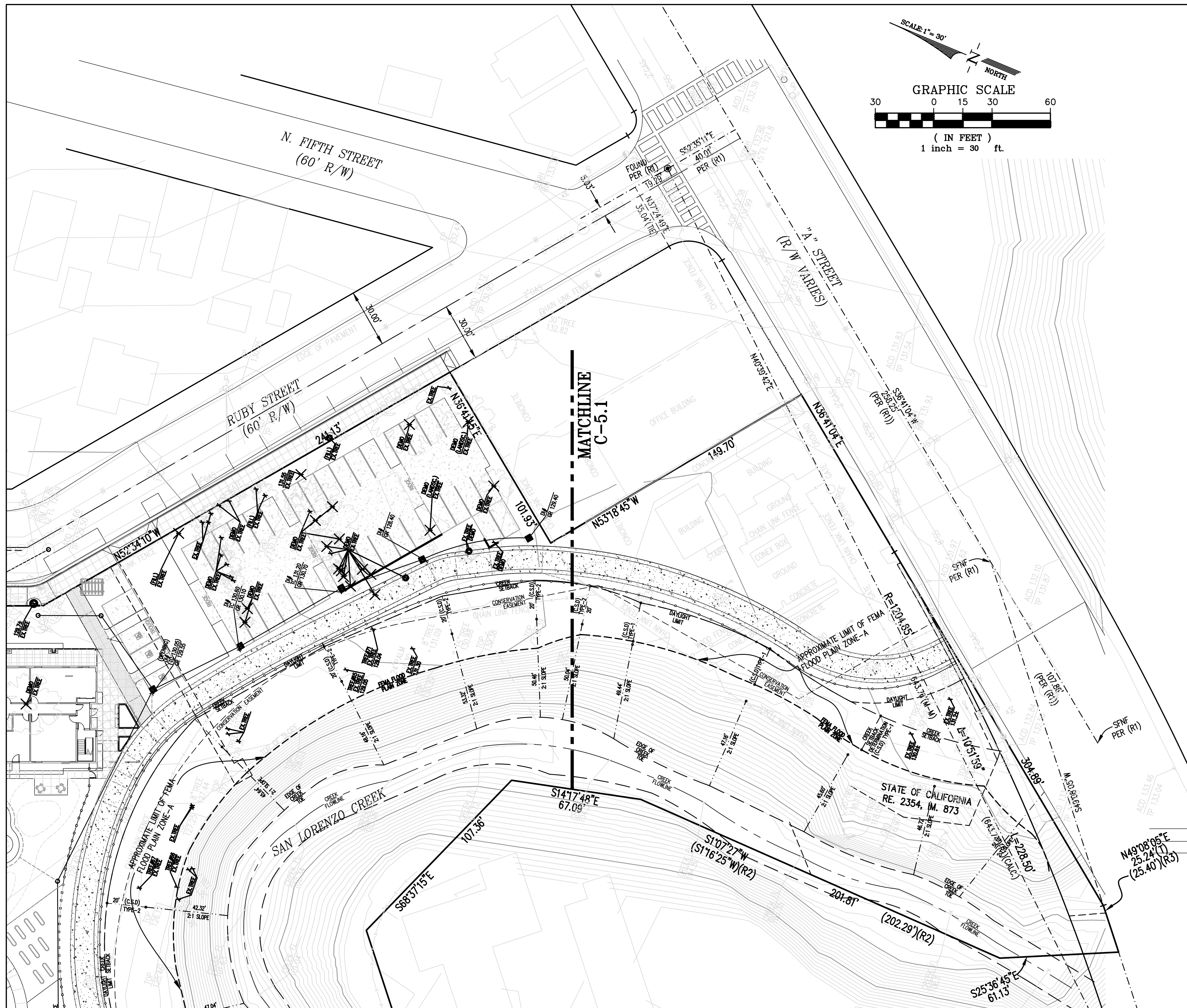
JOB NUMBER: 1000410
 DRAWN BY: CW
 CHECKED BY: JL
 DATE: JANUARY 2019
 SCALE: 1" = 30'
 TITLE: PRELIMINARY UTILITY PLAN

SHEET:
C-5.1

PRELIMINARY - Not for Construction -

Plot Date: 11/13/2019





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JOB NUMBER: 10004410

DRAWN BY: CW

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TITLE: PRELIMINARY UTILITY PLAN

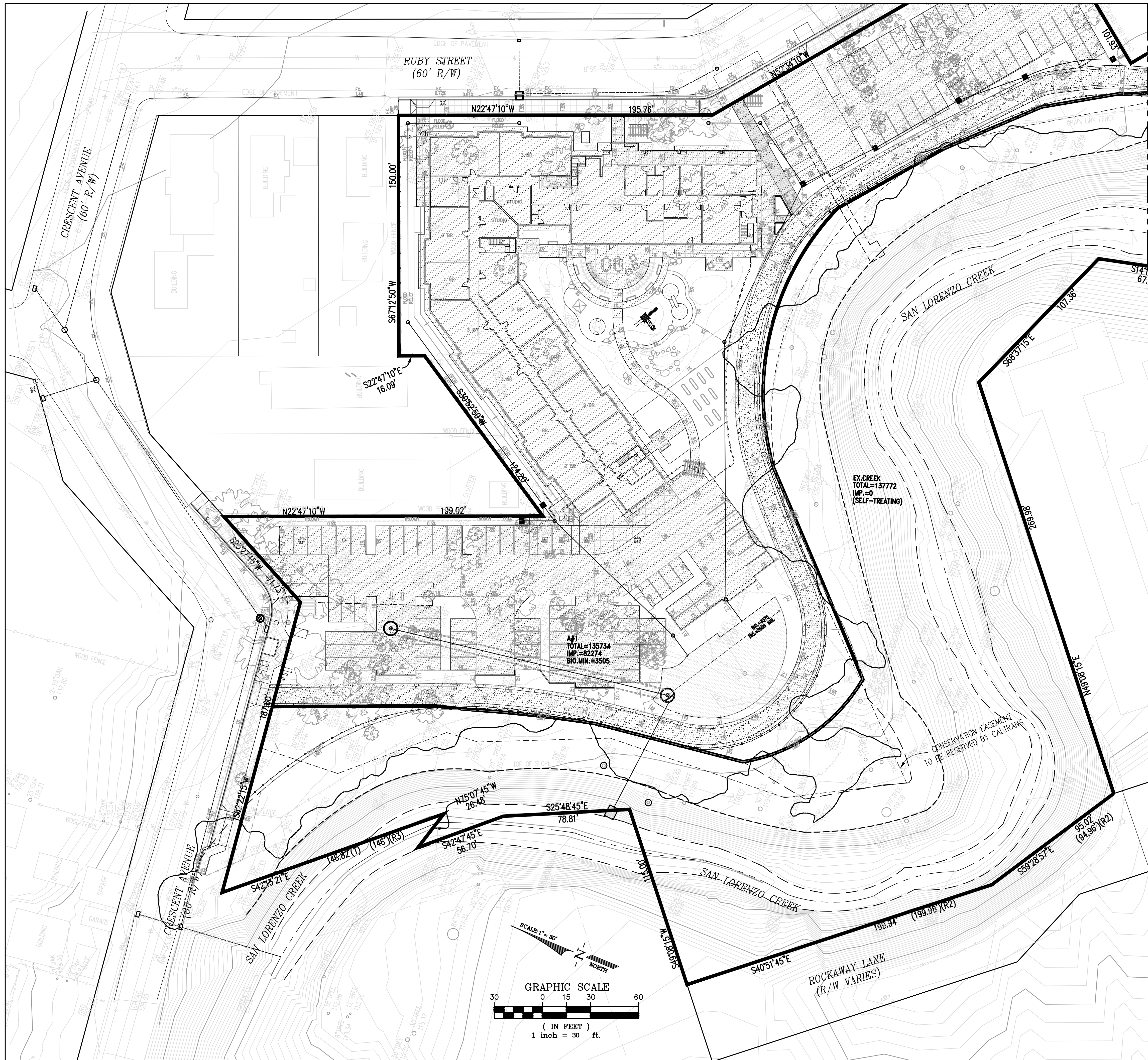
SHEET:

C-5.2

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Plot Date: 11/13/2019



STORM TREATMENT NOTES:

MAR=21"
 SOILS CLASS D (CLAY) [ASSUMED]
 PER ALAMEDA COUNTY CLEAN WATER PROGRAM PUBLICATION:
 "STORMWATER C3 GUIDEBOOK" DATED OCTOBER 31, 2017 (VERSION 6).

- 1) HYDRO-MODIFICATION & STORM TREATMENT:
 A) THE PROJECT CREATES BETWEEN 10,000-SF AND 1-ACRE OF IMPERVIOUS SURFACE AREA FOR THE PROPOSED PRIVATE PROPERTY. THIS PROJECT WILL BE REQUIRED TO SUBMIT A STORMWATER CONTROL PLAN AND INCLUDE LID MEASURES.
 B) AS THE PROJECT PROPOSES MORE THAN 1-ACRE OF IMPERVIOUS SURFACES ON THE SITE AND IS LOCATED WITHIN AN "ATTACHMENT-A: HMP SUSCEPTIBILITY MAP" AREA. THIS, HYDROMODIFICATION (FLOW CONTROL) IS A REQUIREMENT PER THE GUIDEBOOK.
 2) THE PROJECT SITE IS DELINEATED INTO THE MANAGEMENT AREAS SHOWN ON THE CHART ON THIS SHEET.
 3) THE TREATMENT METHOD IS CHOSEN TO BE BIORETENTION FACILITY.
 CRITERIA APPLY TO BIORETENTION FACILITY (FOR TREATMENT AND FLOW CONTROL):
 • SIZING FACTOR (SF) [BIORETENTION FACILITY] = 4%
 • SURFACE RESERVOIR DEPTH = 6 INCHES TYPICAL
 • SOIL MIX DEPTH = 18 INCHES TYPICAL (5 IN/HR MIN.)
 • UNDERDRAIN = 4 INCHES PVC PIPE MINIMUM.
 4) FOR SELF-RETAINING AREAS, THE RATIO OF IMPERVIOUS TO PERVIOUS AREA SHALL BE LESS THAN OR EQUAL TO 2:1 (TREATMENT ONLY) OR 1:1 (TREATMENT & FLOW CONTROL). SELF-RETAINING AREAS SHALL CAPTURE AND FLOW CONTROL A 1" PRECIPITATION DEPTH PER COUNTY DESIGN STANDARDS*.
 5) FOR SELF-TREATING AREAS, THE PERCENTAGE OF IMPERVIOUS AREA MUST BE LESS THAN 5% PER COUNTY DESIGN STANDARDS**.

* TREATMENT SIZING CRITERIA ESTABLISHED BY ALAMEDA COUNTY

STORM TREATMENT DESIGN (PER ALAMEDA COUNTY)							
DMA & IMP NAME	TYPE	A SIZING FACTOR	D.M. AREA (S.F.)	RUNOFF SURFACE TYPE	C-FACTOR ADJUSTMENT VALUE	MIN. SIZE (S.F.)	PLANNED SIZE (S.F.)
A1	BIO-RETENTION AREA	4% *	82274	IMPERVIOUS	N/A	3505	3575
		0.4%	53460	PERVIOUS	N/A		
		0.4%	0	PERM.-PAVERS	N/A		
EX.CREEK	SELF-TREATING AREA	4% *	0	IMPERVIOUS	N/A	N/A	N/A
		0.4%	137772	PERVIOUS	N/A		
		0.4%	0	PERM.-PAVERS	N/A		

LEGEND

- IMPERVIOUS SURFACE
- BIORETENTION AREA
- DRAINAGE MANAGEMENT AREA LIMIT
- AREA#** DRAINAGE MANAGEMENT AREA
- TOTAL =** TOTAL DRAINAGE AREA
- IMP. =** IMPERVIOUS AREA

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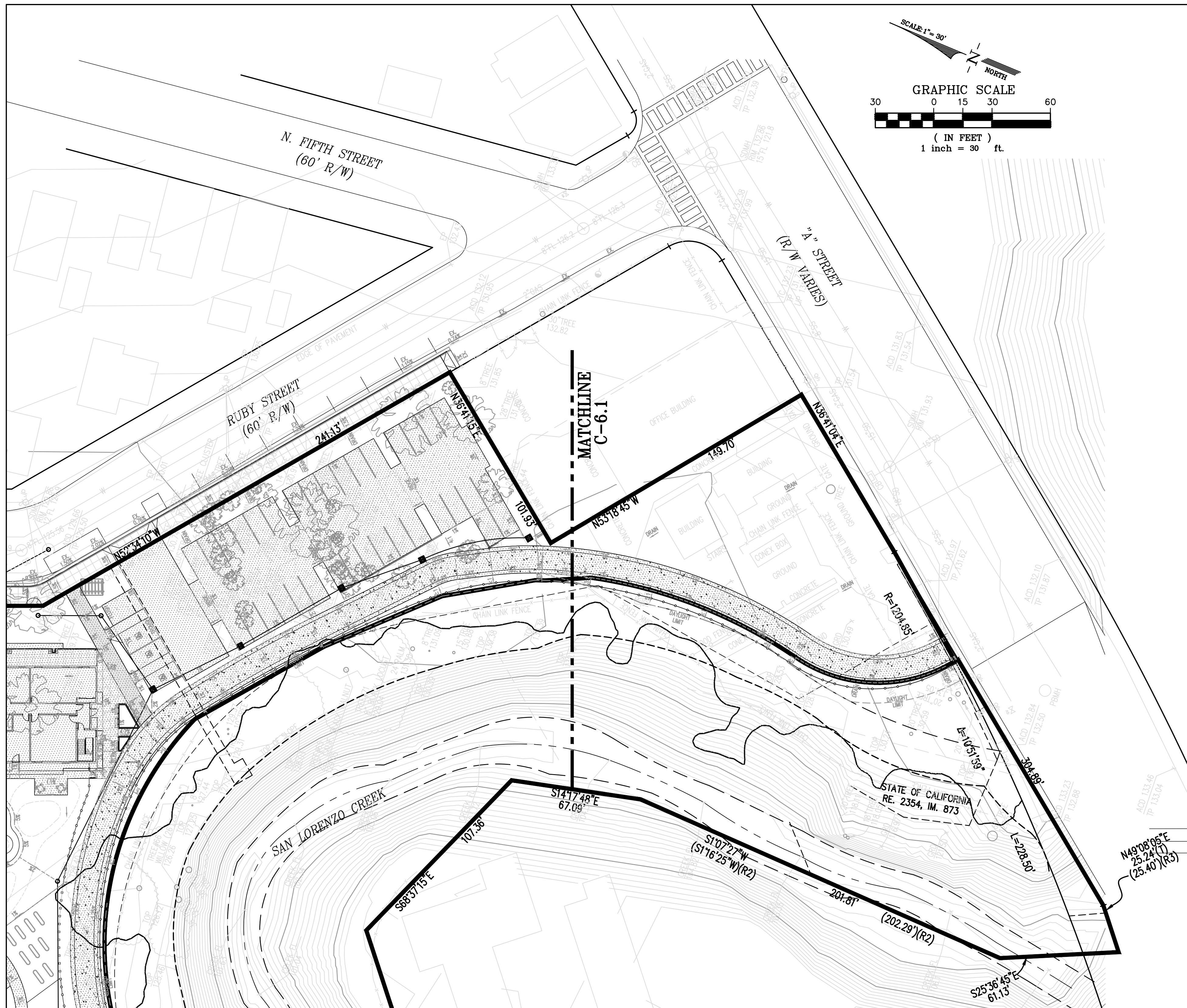
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JOB NUMBER: 10004410
 DRAWN BY: CW
 CHECKED BY: JL
 DATE: JANUARY 2019
 SCALE: 1" = 30'
 TITLE: PRELIMINARY STORMWATER TREATMENT PLAN

SHEET:
C-6.1

PRELIMINARY - Not for Construction -

Plot Date: 11/13/2019



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TITLE: PRELIMINARY
STORMWATER
TREATMENT
PLAN

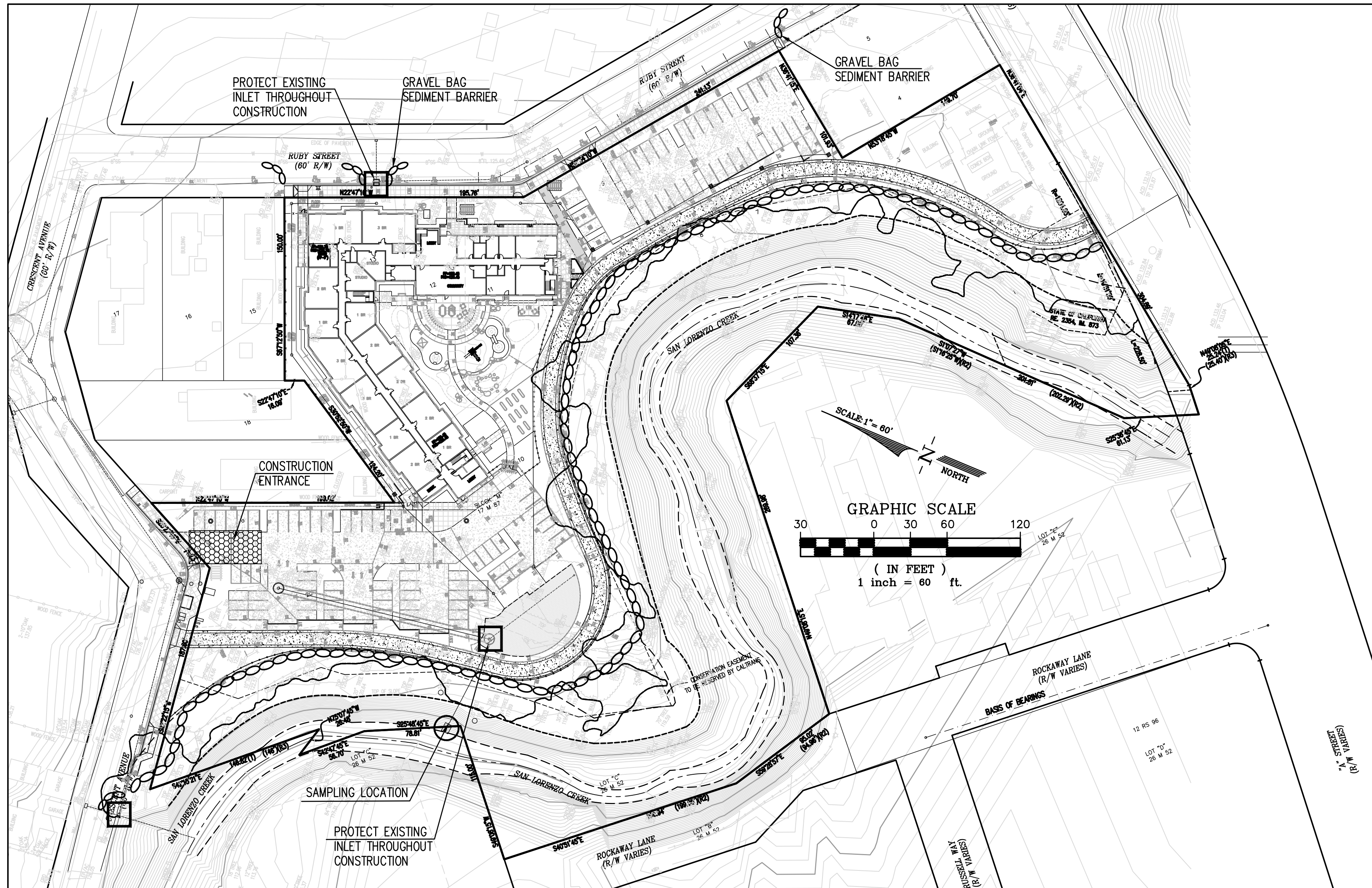
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C-6.2

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Plot Date: 11/13/2019



LEGEND

- COMPOST FILTER SOCK
- GRAVEL CONSTRUCTION ENTRANCE AND WASH AREA
- STORM INLET PROTECTION
- SAMPLING LOCATION

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR ALL ASPECTS OF "EROSION CONTROL" AND SHALL INSTALL AND MAINTAIN ANY DEVICES AND MEASURES NECESSARY TO THE SATISFACTION OF THE COUNTY ENGINEER DURING THE ENTIRE CONSTRUCTION PERIOD.
2. THE CONTRACTOR SHALL PLACE COARSE DRAIN ROCK AS A GRAVEL ROADWAY (8" MIN. THICK FOR THE FULL WIDTH AND 50' LONG) AT EACH ENTRANCE TO THE SITE. ANY MUD THAT IS TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED THAT SAME DAY AND AS REQUIRED BY THE COUNTY INSPECTOR.
3. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED AND CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF THE COUNTY ENGINEER.
4. DURING THE ENTIRE CONSTRUCTION PERIOD, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEM.
5. THIS PLAN COVERS ONLY THE FIRST WINTER FOLLOWING GRADING. PLANS ARE TO BE RE-SUBMITTED FOR COUNTY APPROVAL PRIOR TO SEPTEMBER 1 OF EACH SUBSEQUENT YEAR UNTIL THE SITE IMPROVEMENTS ARE ACCEPTED BY THE COUNTY.
6. ALL EROSION CONTROL FACILITIES MUST BE INSPECTED AND REPAIRED AT THE END OF EACH WORKING DAY OR DAILY DURING THE ENTIRE CONSTRUCTION PERIOD.
7. ANY SEDIMENT BASINS SHALL BE CLEARED OUT WHENEVER SEDIMENT REACHES THE SEDIMENT CLEANOUT LEVEL INDICATED ON THE PLANS.
8. BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES TO THE SATISFACTION OF THE COUNTY ENGINEER.
9. ALL CUT AND FILL SLOPES ARE TO BE PROTECTED TO PREVENT OVERBACK FLOW.
10. THIS PLAN MAY NOT COVER ALL SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO ANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD, SUBJECT TO THE APPROVAL OF THE COUNTY.
11. HYDROSEED ALL CUT AND FILL SLOPES WHICH ARE STEEPER THAN 5% WITH THE FOLLOWING (VOLUMES SHOWN ARE PER ACRE OF SLOPE):

FERTILIZER:	500 LBS. 16-6-8
SEED:	60 LBS. BLANDO BROME GRASS 60 LBS. ANNUAL RYE GRASS 30 LBS. ROSE CLOVER
CHEMICAL TACKIFIER:	2000 LBS. WOOD CELLULOSE 30 LBS. ORGANIC BINDER

12. TO CONTROL EROSION WITHIN THE STREET RIGHT-OF-WAY, FIBER ROLLS, SANDBAGS, EARTH BERMS OR OTHER SUITABLE MATERIALS SHALL BE PLACED WITHIN ALL UNPAVED STREETS DURING THE ENTIRE CONSTRUCTION PERIOD. THESE ROLLS OF FIBER SHALL BE PLACED AS SHOWN ON PLAN OR AS REQUIRED BY THE CITY ENGINEER (SEE FIBER ROLL DETAIL, THIS SHEET). THE ROLLS SHALL BE SECURELY ANCHORED IN PLACED BY STAKES OR REBARS DRIVEN THROUGH THE ROLLS WITH THE FIRST STAKE IN EACH ROLL ANGLED TOWARD THE PREVIOUSLY LAID ROLL TO FORCE THEM TOGETHER. THE ROLLS SHALL BE MAINTAINED IN GOOD CONDITION FOR THE ENTIRE CONSTRUCTION PERIOD UNTIL THE STREET IS PAVED. ROLLS OF FIBER OR OTHER SUITABLE MATERIALS SHALL BE USED TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING ANY PARTIALLY COMPLETED STORM DRAIN SYSTEM.

13. TO MINIMIZE STORM WATER RUNOFF FROM THE SITE, FIBER ROLLS SHALL BE CONSTRUCTED ON EACH PAD AS IT IS GRADED. THE FIBER ROLLS SHALL BE 1-FOOT MINIMUM IN HEIGHT AND PLACED SO THE STORM WATER FALLING ONTO THE PAD AREA AND THE SURROUNDING UPHILL BANKS WILL BE TRAPPED ON THE PAD. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND REPAIRING THE ROLLS ON EACH PAD DURING THE ENTIRE CONSTRUCTION PERIOD AND MAINTAINING THEM IN GOOD CONDITION UNTIL THE BUILDING CONSTRUCTION IS COMPLETED. THE CONTRACTOR SHALL ENSURE COMPLIANCE WITH THE REQUIREMENTS REGARDING PAD MOISTURE CONTENT, COMPACTION, AND ALL OTHER CONDITIONS SET FORTH BY THE GEOTECHNICAL ENGINEER.

14. WHEN TEMPORARY STRUCTURES HAVE SERVED THEIR INTENDED PURPOSE AND THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED, THE ENBANKMENT AND RESULTING SEDIMENT DEPOSITS ARE TO BE LEVELED OR OTHERWISE DISPOSED OF AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

15. CONTRACTOR IS RESPONSIBLE FOR ALL AGENCY EROSION CONTROL PLANS AND PAPERWORK AND IS RESPONSIBLE FOR ALL CLOSURES OF THESE FILINGS.

16. ALL GRADED OR DISTURBED AREAS THAT WILL BE IDLE DURING THE RAINY SEASON SHALL BE MULCHED AT THE MINIMUM RATE OF TWO TONS PER ACRE.

17. CONTRACTOR TO REFER TO STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR EROSION CONTROL MEASURES DURING CONSTRUCTION.

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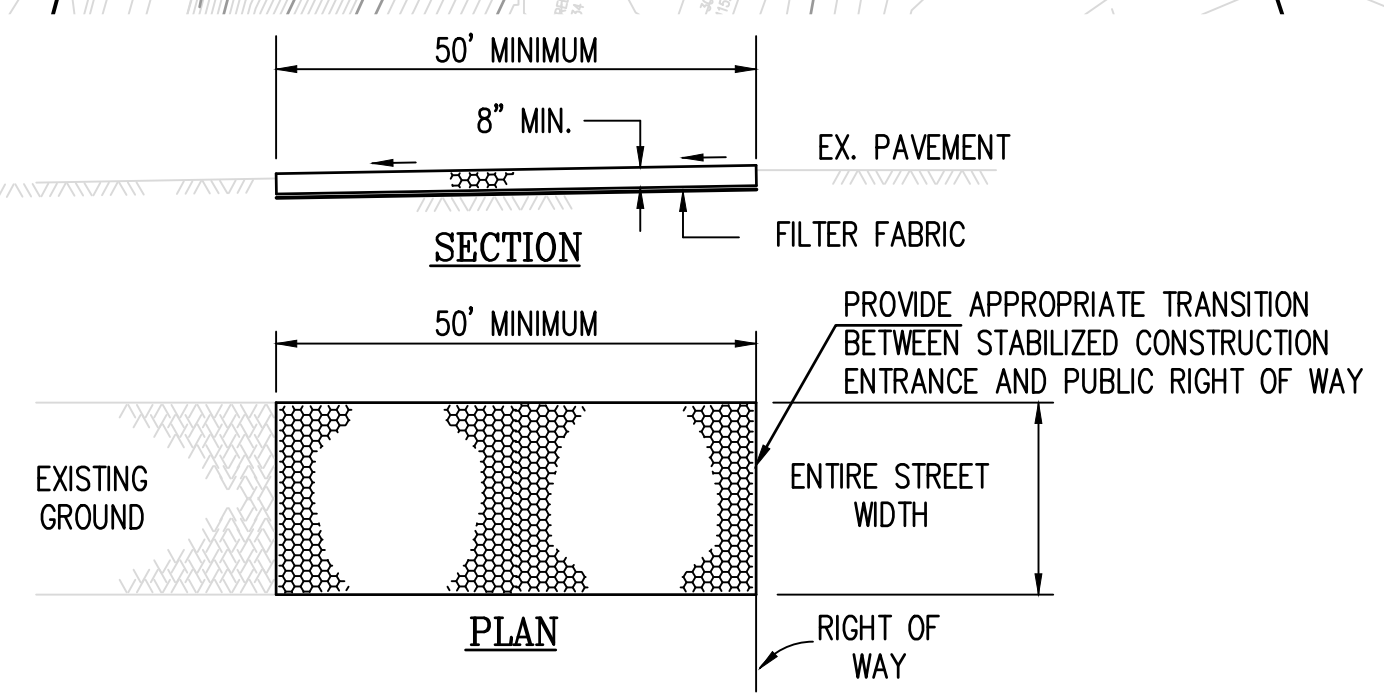
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JOB NUMBER:	10004410
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CHECKED BY:	JL
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SCALE:	1" = 30'
TITLE:	PRELIMINARY EROSION CONTROL PLAN

SHEET:
C-7.1

PRELIMINARY - Not for Construction -

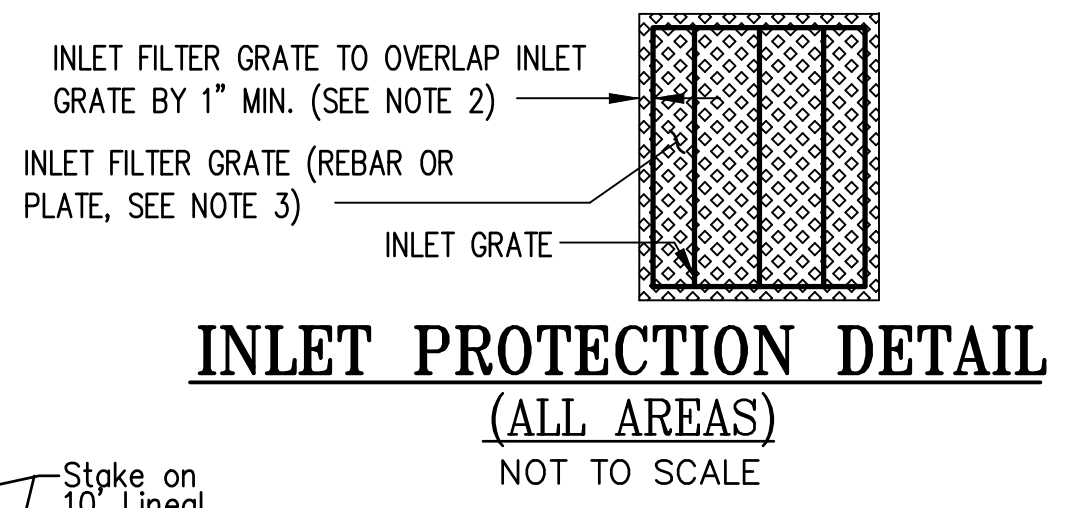


REFER TO STORM WATER POLLUTION PREVENTION PLAN FOR MORE DETAILS. ALSO REFER TO THE RWQCB OR ABAG EROSION CONTROL MEASURE MANUAL.

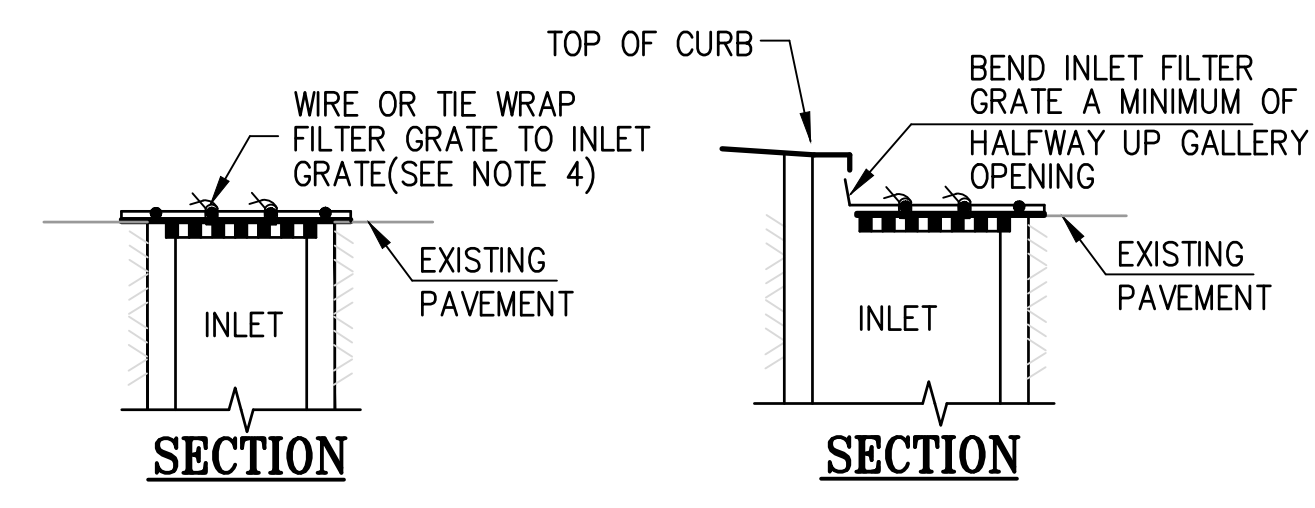
CONSTRUCTION SPECIFICATIONS

1. CONSTRUCTION AND MAINTENANCE OF THE COMPOST FILTER SOCK CAN BE FOUND AT WWW.TOPSPRAY.COM/EROSIONCONTROL/FILTERSOXX153/TABID/155/DEFAULT.ASPX
2. THE MATERIAL FOR CONSTRUCTION SHALL BE 3 TO 4 INCH ROCK.
3. LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 50 FEET.
4. THICKNESS - NOT LESS THAN EIGHT (8) INCHES.
5. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
6. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL BOARDS OR OTHER APPROVED METHODS.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.

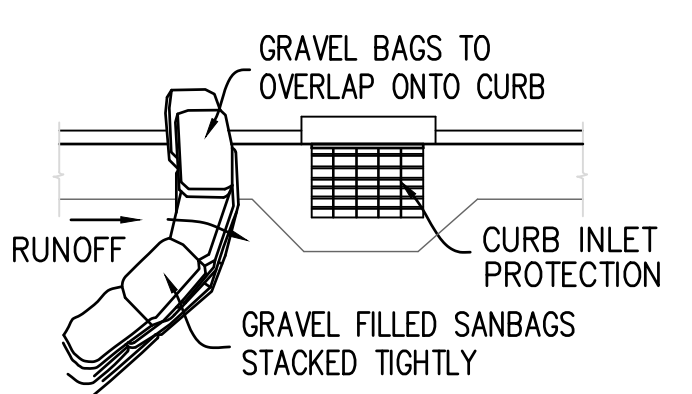
CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE



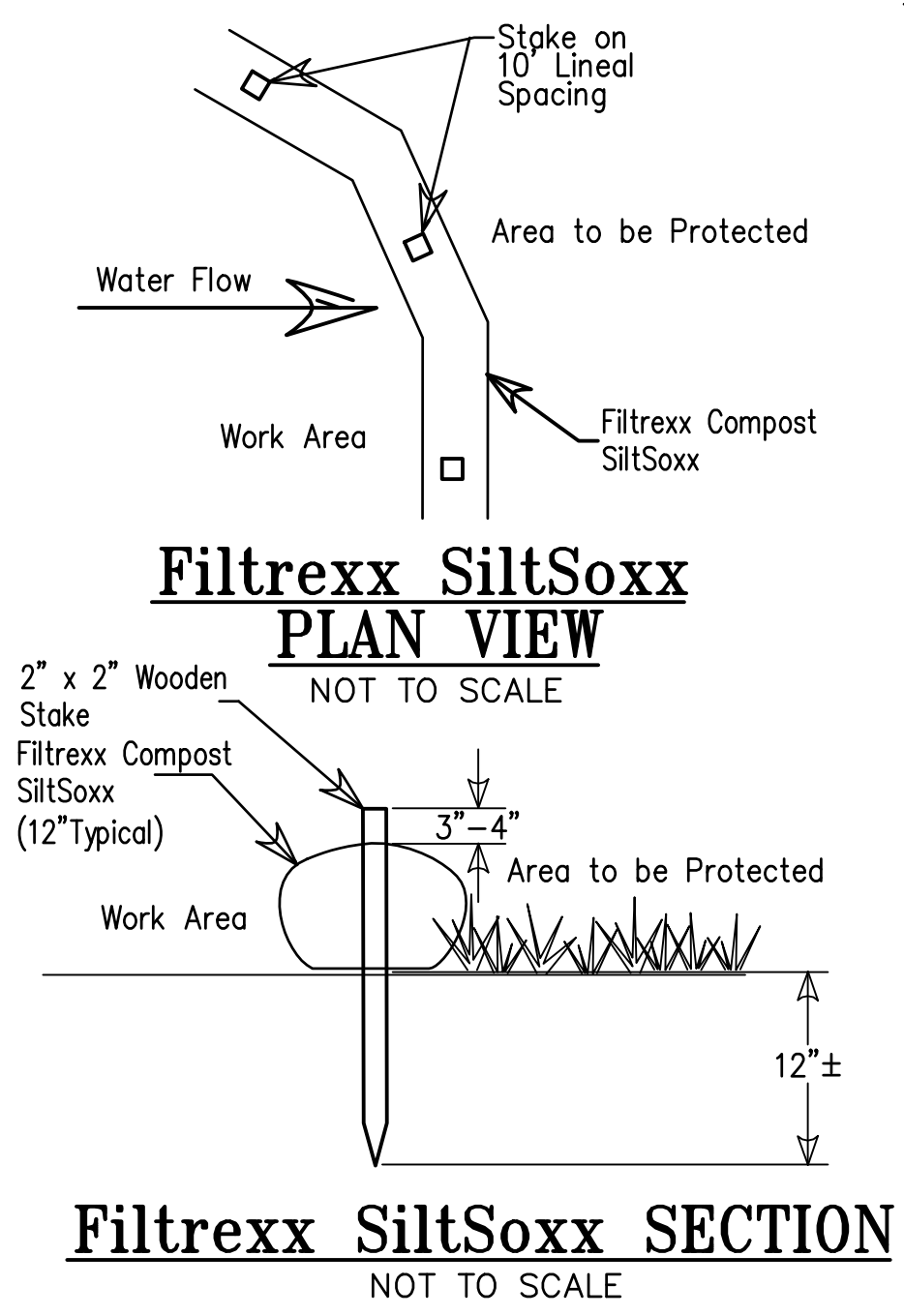
INLET PROTECTION DETAIL (ALL AREAS)
NOT TO SCALE



INLET PROTECTION DETAIL (PAVED AREAS)
NOT TO SCALE



STREET GUTTER BARRIER
NOT TO SCALE



Filtrexx SiltSoxx SECTION
NOT TO SCALE

NOTES:

1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS. SPECIFICATION CAN BE FOUND AT <http://www.filtrexx.com/4.1.1%20SWPPP%20-%20SiltSoxx.pdf>
2. SILTISOXX COMPOST TO MEET APPLICATION REQUIREMENTS.
3. SILTISOXX DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS PER THE ENGINEER.
4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
5. FILTER MATERIAL AND GRATE SHALL OVERLAP INLET ON ALL SIDES BY A MINIMUM OF 1".
6. INLET FILTER GRATE SHALL BE MADE OF #3 RE-BARS, CRISS CROSSED AT 6"(WELDED OR TIED TOGETHER WITH WIRE) OR A PLATE WITH A MINIMUM OF 75% OPEN AREA, BOTH OF SUFFICIENT STRENGTH TO PREVENT BENDING WHEN DRIVEN OVER BY A VEHICLE.
7. INLET FILTER GRATE SHALL BE SECURELY ATTACHED TO DRAIN INLET BY WIRE OR TIE-WRAP(S/BEND OVER).
8. FILTERS SHALL BE INSPECTED WEEKLY AND BEFORE AND AFTER EACH RAINFALL. REPAIRS, SEDIMENT/DEBRIS REMOVAL SHALL BE MADE TO ASSURE EFFICIENCY FUNCTIONING OF FILTER SYSTEM.