

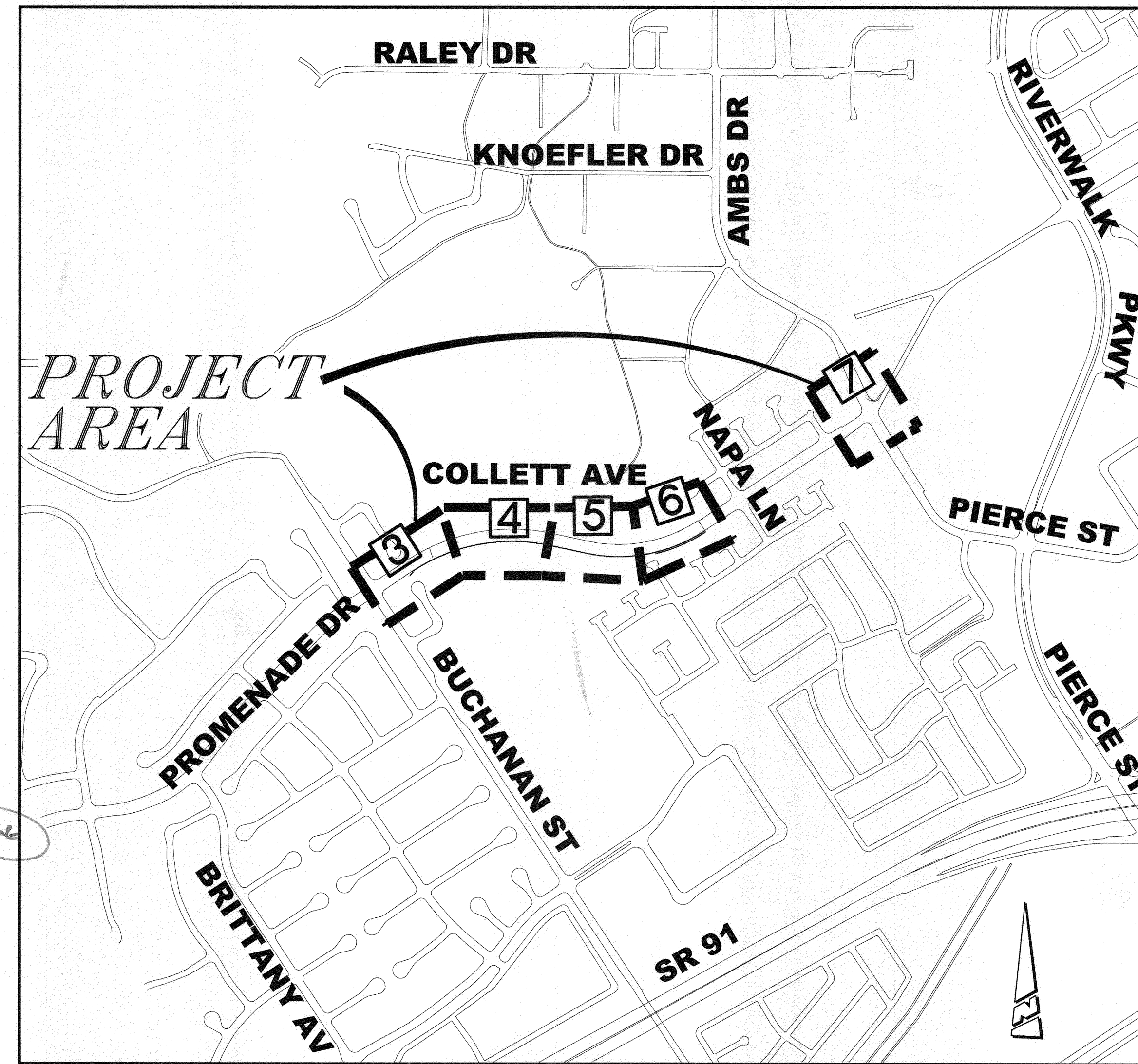
CONSTRUCTION NOTES:

- NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY. UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- ADJ. ADJUST TO GRADE, DESCRIPTION PER PLAN. (MH) SEWER, STORM DRAIN, ELECTRIC OR WATER MANHOLE. (WM) WATER METER OR VAULT. (IRR) IRRIGATION FACILITIES. (GV) GATE VALVE. (PB) PULL BOX.
- REMO. REMOVE &/OR RELOCATE EXIST. SIGN(SEE TRAFFIC PLANS)
- REL. SEE STREET LIGHT PLANS FOR REPLACEMENT OF STREET LIGHT STANDARDS.
- S. CONSTRUCT 0.12" A.R.H.M.-GG AC OVERLAY OVER 0.28' B-PG-64-10 AC PAVEMENT OVER 0.50' CLASS II AGGREGATE BASE.
- IRR. CONTRACTOR TO DESIGN, FURNISH AND INSTALL A NEW DRIP IRRIGATION SYSTEM FOR NEW PARKWAYS WITHIN THE PROJECT LIMITS INCLUDING ALL ELECTRICAL AND WATER SERVICE EQUIPMENT AND MATERIALS. EXISTING IRRIGATION TO BE REMOVED, ABANDONED, RELOCATED AND/OR MODIFIED AS NEEDED TO MAINTAIN SERVICE TO EXISTING LANDSCAPE.
- LS. FURNISH AND INSTALL LANDSCAPE AS SHOWN ON SHEETS 8 THROUGH 10 AND AS DESCRIBED IN SPECIAL PROVISIONS.
- RET. CONSTRUCT 2' TO 6' TALL DECORATIVE SPLIT FACE (TAN CONCRETE BLOCK TO MATCH EXISTING WALLS ON COLLETT) RETAINING WALL PER DETAIL IN SPECIAL PROVISIONS. TOP OF FOOTING SHALL BE AT LEAST 4" BELOW FINISHED SURFACE AND SHOULD BE PLACED AT SAME GRADE AS STREET. WALL HEIGHT IS FROM TOP OF FOOTING. WALL SHALL HAVE MATCHING SPLIT FACE DECORATIVE CAP.
- WALL. SAWCUT AND REMOVE PORTION OF EXISTING DITCH AS NEEDED AND CONSTRUCT CONCRETE DRAIN BEHIND RETAINING WALL PER DETAIL ON SHEET 2.
- CM1. 0.12" DEEP MINIMUM LINEAR COLD MILL OF EXISTING AC PAVEMENT. WIDTH OF LINEAR COLD MILL PER PLAN.
- OL. CONSTRUCT A.R.H.M.-GG AC OVERLAY (0.12" MIN. THICKNESS) FOLLOWING COLD MILLING.
- PIP. PROTECT IN PLACE EXISTING FACILITY. DESCRIPTION (---) PER PLAN. SIG= TRAFFIC SIGNAL, MH= MANHOLE, SL= STREET LIGHT
- ADJ. ADJUST PULL BOX TO GRADE
- TR. FOR RELOCATION OF TRAFFIC FACILITY SEE SIGNAL PLAN.
- REM. SAWCUT AND REMOVE ALL EXISTING IMPROVEMENTS WHICH INTERFERE WITH PROPOSED IMPROVEMENTS.
- R. REMOVE TREES AS NEEDED. DESCRIPTION (---) PER PLAN. (CLASS I 6"-18", CLASS II 18"-36", CLASS III OVER 36").
- DIT. CONSTRUCT 3' WIDE P.C.C. V-DITCH. DITCH SHALL BE CONSTRUCTED AT TOP AND TOE OF SLOPES AS SHOWN ON PLANS AND DETAIL ON SHEET 2. CONTRACTOR SHALL TRANSITION V-DITCH FLOWLINE OVER 10' TO MEET FLOWLINE AT BACK OF UNDERSIDEWALK DRAIN AS CALLED OUT ON PLAN. CONTRACTOR SHALL NOTIFY ENGINEER AFTER COMPLETION OF STAKING AND PRIOR TO FORMING V-DITCH FOR ENGINEER'S EVALUATION.
- REM. REMOVE ALL EXISTING POSTS WHICH INTERFERE WITH PROPOSED IMPROVEMENTS.
- SC. CONSTRUCT 12" TALL DIVERTER WALL AS SHOWN IN V-DITCH DETAIL ON SHEET 2. WALL SHALL BE CONSTRUCTED FOR LAST 10 LINEAR FEET OF V-DITCH AND OTHER LOCATIONS SHOWN ON PLAN.
- AM. ABANDON EXISTING SEWER MANHOLE PER APPROVED GREENBOOK METHODS.
- AP. SAWCUT AND REMOVE ENOUGH OF EXISTING SEWER PIPE FROM MANHOLE IN ORDER TO PLUG OPENING OF MANHOLE PER APPROVED GREENBOOK METHODS. THE REMAINDER OF UPSTREAM SEWER PIPE SHALL BE ABANDONED PER APPROVED GREENBOOK METHODS.
- 405. CONSTRUCT CITY OF RIVERSIDE STANDARD DRAWING NO. 405 (MODIFIED, NO LOCAL DEPRESSION, PIPE EXITS BACK OF CATCH BASIN).
- FNC. CONSTRUCT VINYL FENCE WITH 2 RAILS PER DETAIL ON SHEET 2.
- GRD. CONTRACTOR SHALL GRADE AS NECESSARY TO ENSURE DRAINAGE IS CONVEYED AWAY FROM EXISTING FREESTANDING RETAINING WALL AT 2% MINIMUM AND CONVEYED IN THE DIRECTION OF THE FLOW ARROWS SHOWN ON THE PLAN.
- W1. SEE RIVERSIDE PUBLIC UTILITIES PLAN NO. D5-0913727 FOR PROPOSED WATER LINE AND APPURTENANCES.
- W2. SEE WMWD PLANS FOR RELOCATION OF 30" WATER LINE AND APPURTENANCES.
- G. PROPOSED 3" PVC GAS LINE TO BE CONSTRUCTED BY GAS COMPANY CONTRACTOR. SEE SPECIAL PROVISIONS FOR CONSTRUCTION SCHEDULING AND COORDINATION REQUIREMENTS.
- RC. CONSTRUCT RETAINING CURB MONOLITHIC WITH SIDEWALK. HEIGHT VARIES FROM 4" TO 12".
- MAT. CONSTRUCT WAX POLYMER PAVEMENT FOR MULTI-ACCESS TRAIL, 3.5" DEPTH.
- SLR. CONSTRUCT TYPE 2 SLURRY SEAL FROM GUTTER LIP TO GUTTER LIP ON COLLETT AVENUE FROM END OF NEW STREET IMPROVEMENTS AT STA. 28+75.69 THROUGH THE INTERSECTION OF PIERCE STREET.
- SLP. CONTRACTOR SHALL FURNISH AND INSTALL SLOPE PROTECTION MATTING FOR ALL SLOPES GREATER THAN 2:1 PER DETAIL IN SPECIAL PROVISIONS.

PUBLIC WORKS DEPARTMENT

COLLETT AVENUE EXTENSION

(FROM BUCHANAN STREET TO PIERCE STREET)



LOCATION/ INDEX MAP

N.T.S.

GENERAL NOTES:

1. PRIME CONTRACTOR BIDDING THIS PROJECT SHALL HAVE A CLASS "A" OR CLASS "C-12" LICENSE.
2. EXISTING UTILITIES SHOWN ON THIS PLAN ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WITHIN THE CONSTRUCTION WORK AREAS WHETHER OR NOT SHOWN ON THE PLAN. MH'S & WATER VALVES SHALL BE "TIED OUT" PRIOR TO PAVEMENT WORK FOR SUBSEQUENT ADJUSTMENT WORK. FIRE HYDRANTS MUST BE LOCATED DURING CONSTRUCTION FOR BLUE MARKER INSTALLATIONS.
3. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS AND THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", 2009 EDITION.
4. ALL COLD MILLING SHALL TAKE PLACE PRIOR TO PAVEMENT REMOVAL AND REPLACEMENT.
5. NEW STRUCTURAL SECTION FOR ALL PAVEMENT REMOVALS SHALL BE 0.12" A.R.H.M.-GG AC OVERLAY OVER 0.60' (B-PG-64-10) DGAC OVER 1.0' CRUSHED MISCELLANEOUS BASE.
6. ANY TEMPORARY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN ONE DAY AFTER NOTIFICATION FROM THE CITY INSPECTOR.
7. WHERE NEW PAVEMENT IS TO JOIN THE EXISTING PAVEMENT, THE EDGE OF THE EXISTING PAVEMENT SHALL BE TRIMMED IN A SMOOTH AND STRAIGHT LINE. CONSTRUCT MATCH-UP PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION.
8. SURVEY STAKING REQUESTS AND GRADE SHEETS ARE REQUIRED FOR THE REPLACEMENT OF ALL CURBS AND/OR GUTTER OVER 50' IN LENGTH. SURVEY REQUESTS SHALL BE SUBMITTED AFTER THE EXISTING IMPROVEMENTS HAVE BEEN REMOVED. CONTRACTOR SHALL ALLOW 4 WORKING DAYS AFTER REQUESTING SURVEY TO SCHEDULE SURVEY AND PROCESS GRADE SHEETS. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL FOR ALL REQUIRED CONSTRUCTION SURVEY WORK BY CITY PERSONNEL.
9. A MINIMUM COVER OF 24" SHALL BE MAINTAINED ABOVE ALL WATER LINES DURING ALL EXCAVATION, BACKFILL AND COMPACTION ACTIVITIES DURING STREET IMPROVEMENTS. CONTACT TONI REDMAN @951-826-2126 IF COVER IS REDUCED BEYOND THIS OR FOR ANY OTHER QUESTIONS REGARDING THIS REQUIREMENT.
10. WHERE GRADE IS EQUAL TO OR GREATER THAN 0.4% CURB AND GUTTER SHALL BE STAKED WITH 3' OFFSETS AT 25' INTERVALS. WHERE GRADE IS LESS THAN 0.4% CURB AND GUTTER SHALL BE STAKED WITH 3' OFFSETS AT 12.5' INTERVALS AND 2 ROWS OF #3 RE-BAR SHALL BE PLACED IN GUTTER WITH 3/4" DOWEL PINS AT ALL EXPANSION JOINTS.
11. DESIGN SPEED FOR THE SUPERELEVATED CURVES IS 35 MPH.

SHEET INDEX

STREET IMPROVEMENT PLANS (R-4261) *SEE ATTACHED CROSS SECTIONS. FOR REFERENCE ONLY.*

SHEET NO.	DESCRIPTION
1	TITLE SHEET AND NOTES
2	TYPICAL SECTION AND DETAILS
3	BUCHANAN STREET TO STA. 15+00
4	STA 15+00 TO 20+00
5	STA 20+00 TO 25+00
6	STA 25+00 TO 250' WEST OF NAPA LANE
7	COLLETT AVENUE AND PIERCE STREET INTERSECTION
8	LANDSCAPE, IRRIGATION DETAILS AND NOTES
9	PLANTING PLAN (BUCHANAN STREET TO STA. 23+00)
10	PLANTING PLAN (STA. 23+00 TO 250' WEST OF NAPA LANE)

STORM DRAIN IMPROVEMENT PLANS (D-840)

PLAN NO.	# OF SHEETS	DESCRIPTION
D-840	1	STORM DRAIN PLAN AND PROFILE- COLLETT AVENUE

TRAFFIC SIGNAL PLANS (X-465D)

PLAN NO.	# OF SHEETS	DESCRIPTION
X-465D	1	COLLETT AVENUE AT PIERCE STREET

SIGNING AND STRIPING PLAN (XL-629)

PLAN NO.	# OF SHEETS	DESCRIPTION
XL-629	2	COLLETT AVENUE FROM WEST OF BUCHANAN STREET TO PIERCE STREET

UNDERGROUND STREET LIGHT PLANS (100024-01)

PLAN NO.	# OF SHEETS	DESCRIPTION
100024-01	1	STREET LIGHT DESIGN FOR COLLETT AVENUE

UNDERGROUND ELECTRICAL DISTRIBUTION PLANS (090010-64)

PLAN NO.	# OF SHEETS	DESCRIPTION
090010-64	5	UNDERGROUND ELECTRICAL DISTRIBUTION PLAN FOR COLLETT AVENUE AND LOOP FEED TO MADERA WAY

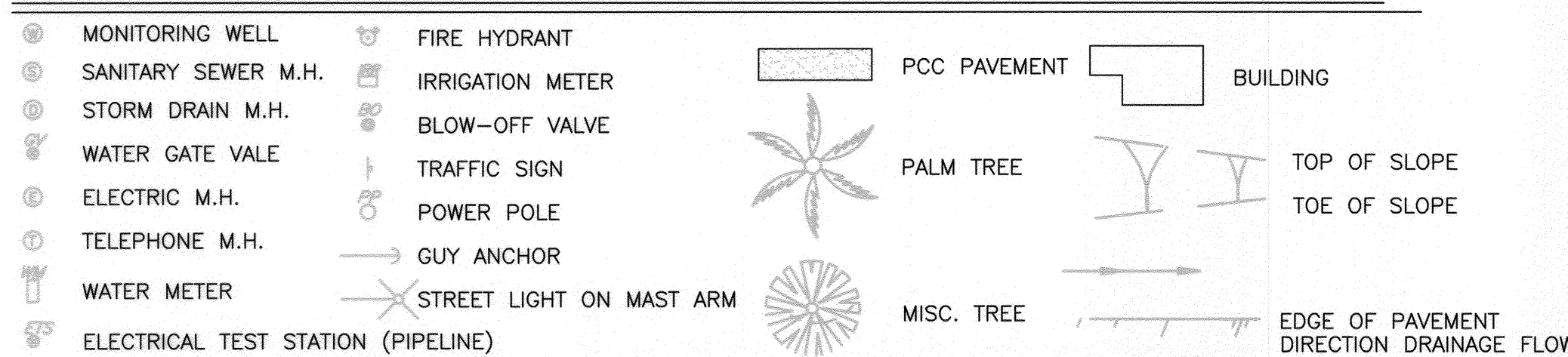
RPU WATER DIVISION 8" & 12" WATER DISTRIBUTION PLANS (D5-0913727)

SHEET NO.	DESCRIPTION
D5-0913727-1	INDEX, BENCHMARK, BASIS OF BEARING, LEGEND, LOCATION AND VICINITY MAPS
D5-0913727-2	CONSTRUCTION NOTES, GENERAL NOTES, AND ABBREVIATIONS
D5-0913727-3	PLAN AND PROFILE - STA. 10+00 TO STA. 16+20 AND STA. 20+00 TO STA. 29+00
D5-0913727-4	PLAN AND PROFILE - STA. 29+00 TO STA. 36+97.70
D5-0913727-5	SYSTEM CONNECTION DETAILS

WMWD 30" PIPELINE PROJECT

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN AND PROFILE - STA. 10+00 TO STA. 18+50
3	PLAN AND PROFILE - STA. 18+50 TO STA. 29+00

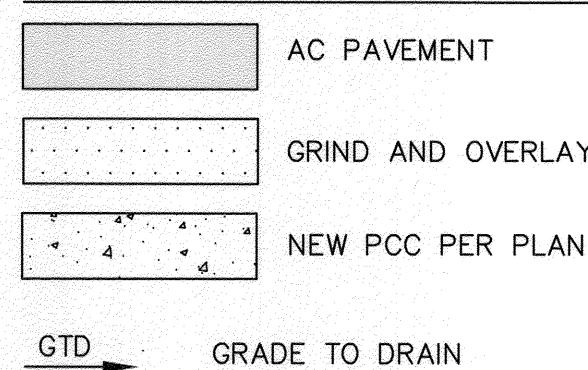
EXISTING TOPOGRAPHY:



EXISTING UNDERGROUND UTILITIES:



LEGEND

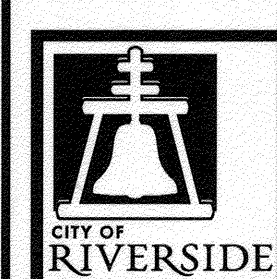


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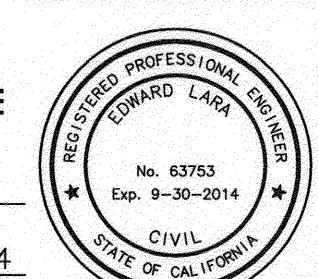
ELEVATION: 716.156
 B.M. TRANSFER - SET PK AND CITY SURVEYOR
 TAG IN TC AT ECR OF NORTHEAST CURB
 RETURN OF PIERCE STREET AND COLLETT
 AVENUE



Under Ground Service Alert of Southern California
 Call: TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG



ENGINEER IN RESPONSIBLE CHARGE
Edward J. ...
 Name: *Edward J. ...*
 R.C.E. No. 63753 EXPIRES: 9-30-14
 DATE: *December 6, 2013*



MARK	REVISIONS	APPR.	DATE
1	Revised Construction Notes	<i>CS</i>	<i>12/11/13</i>

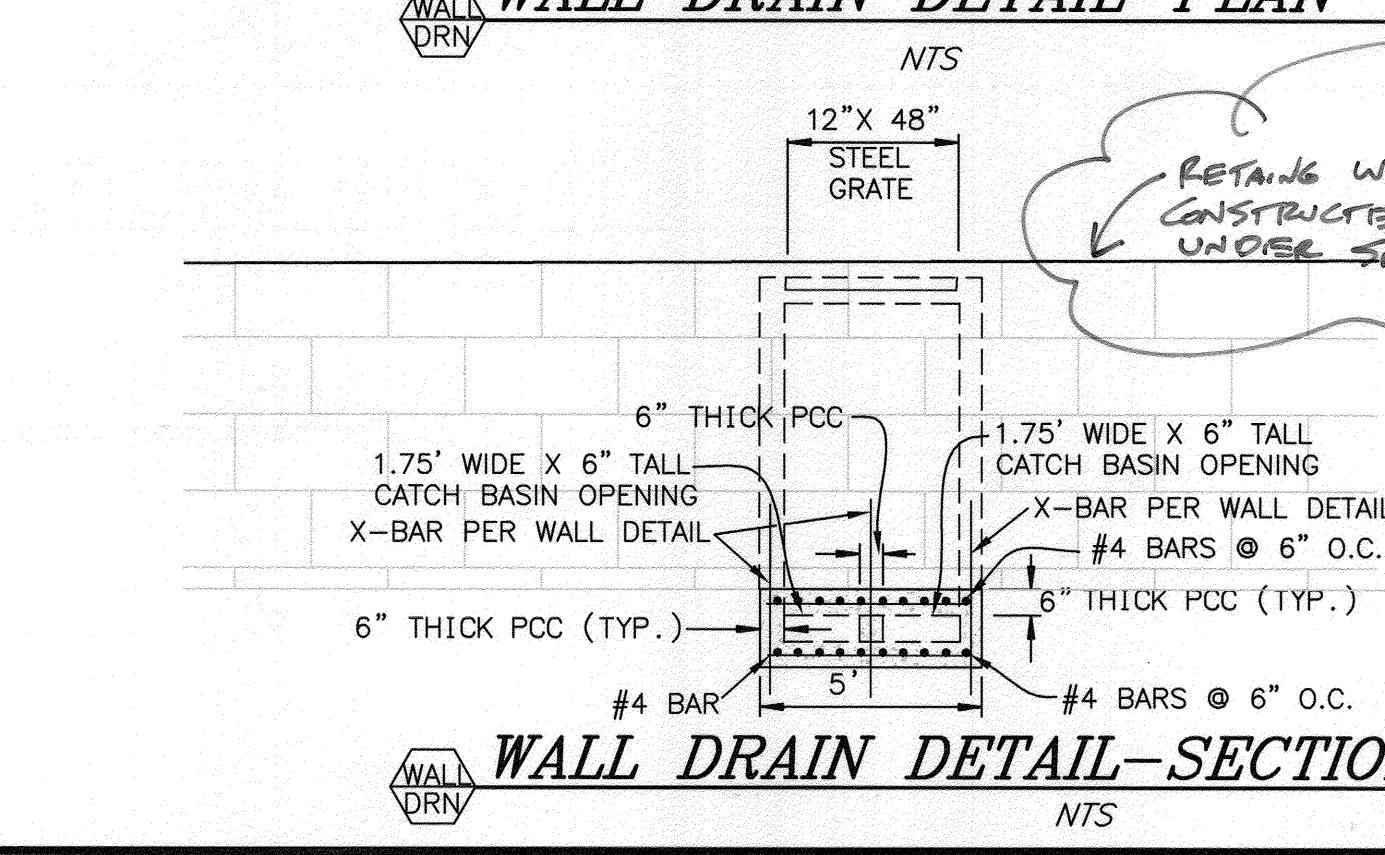
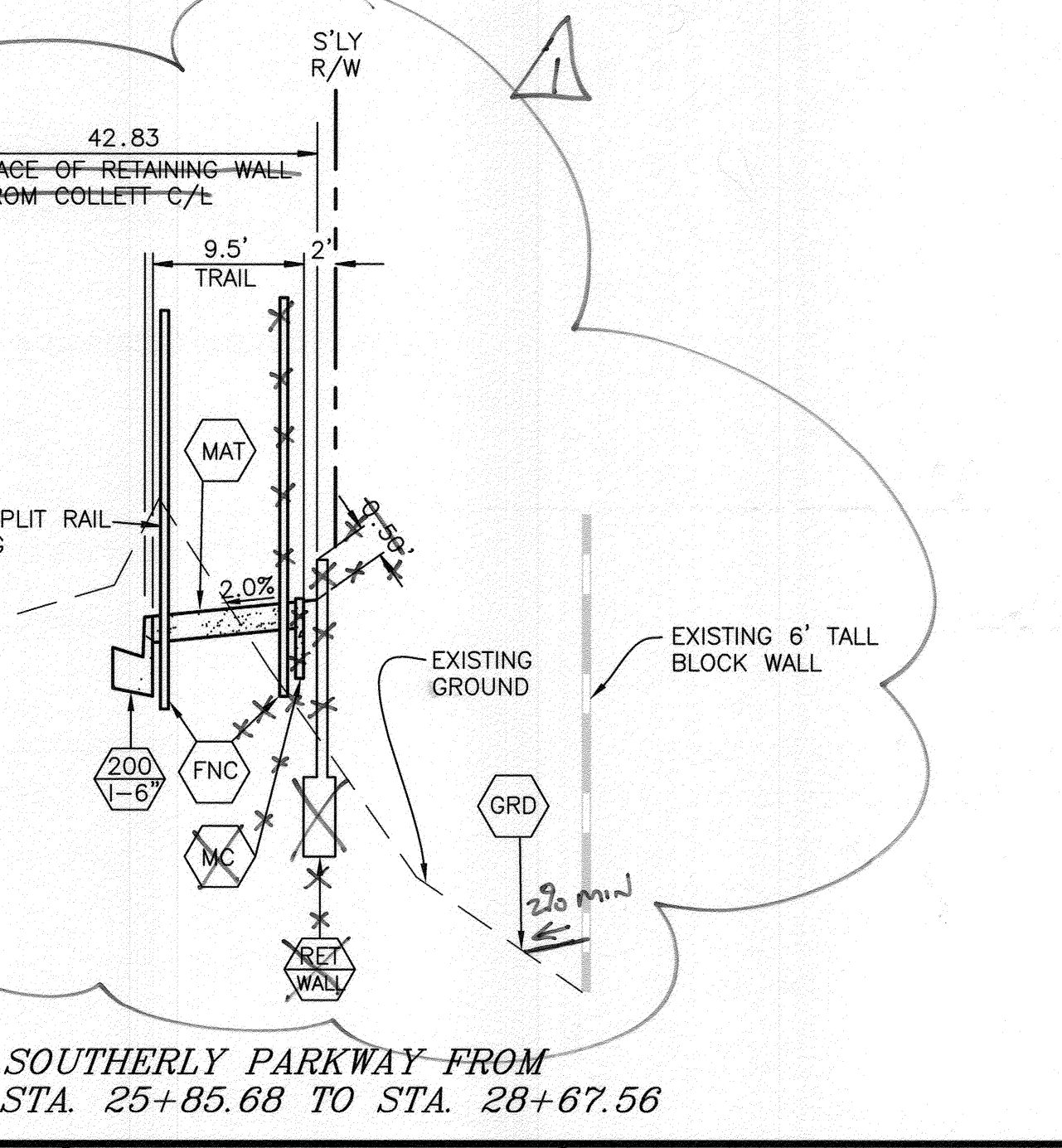
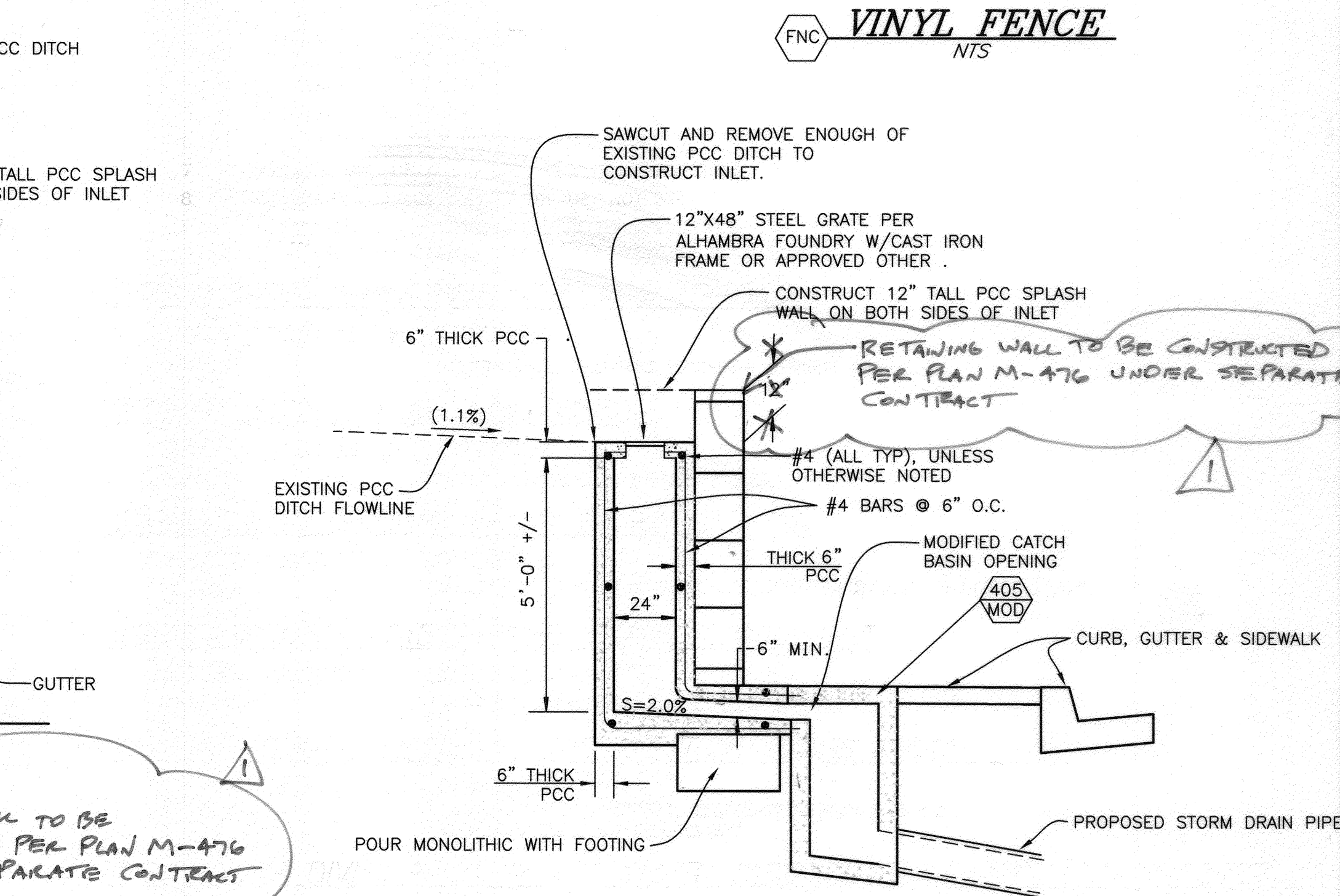
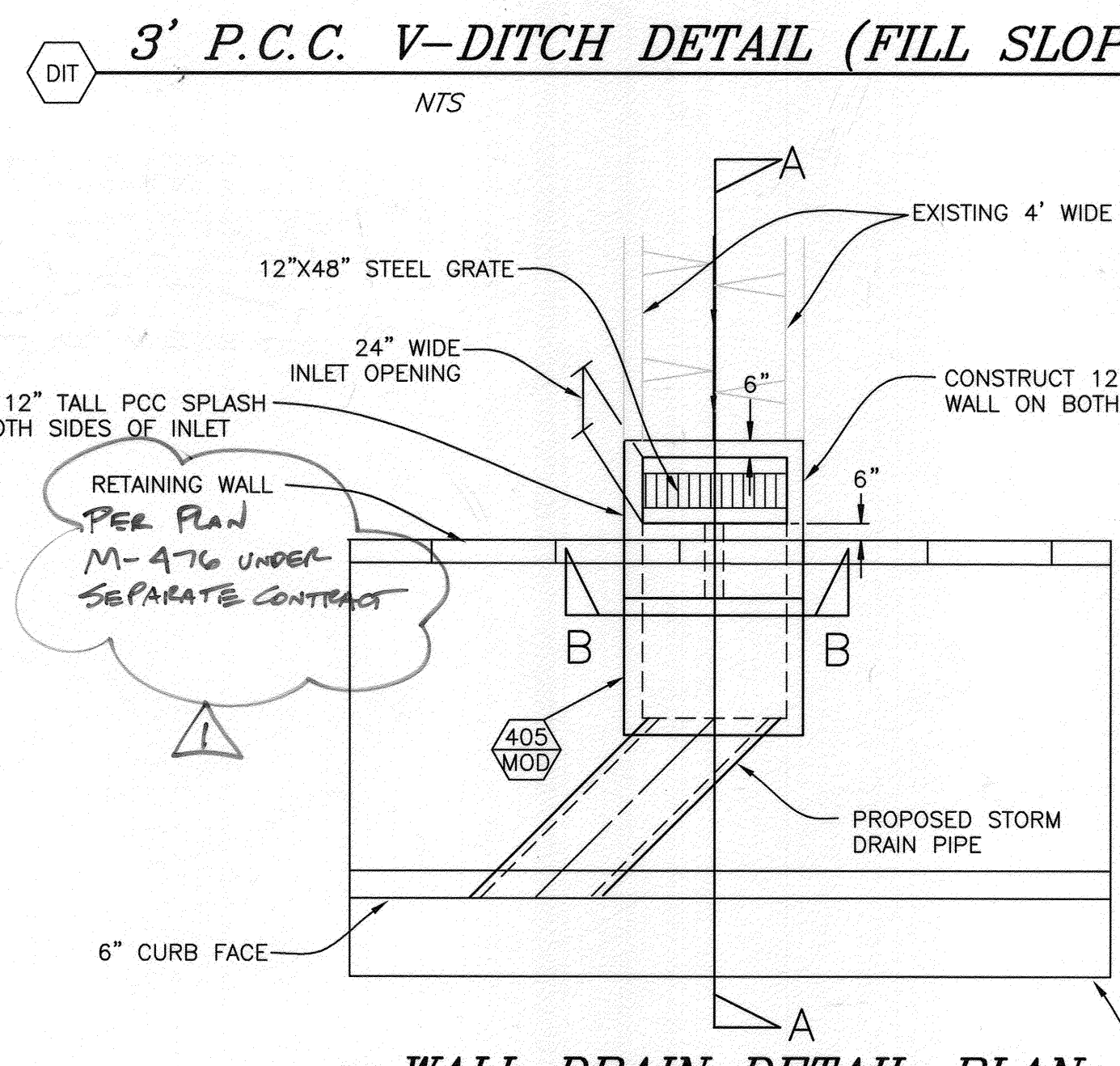
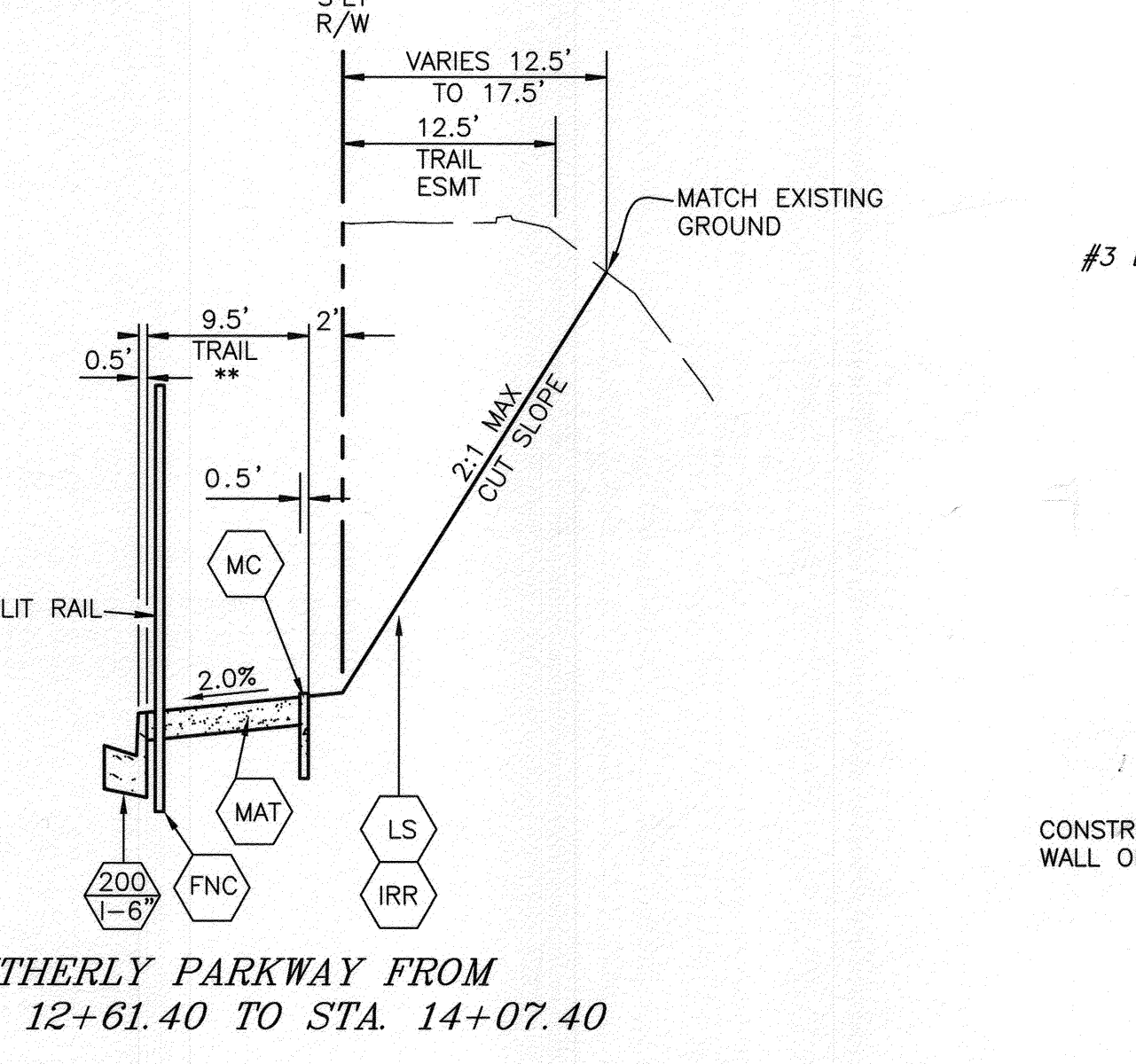
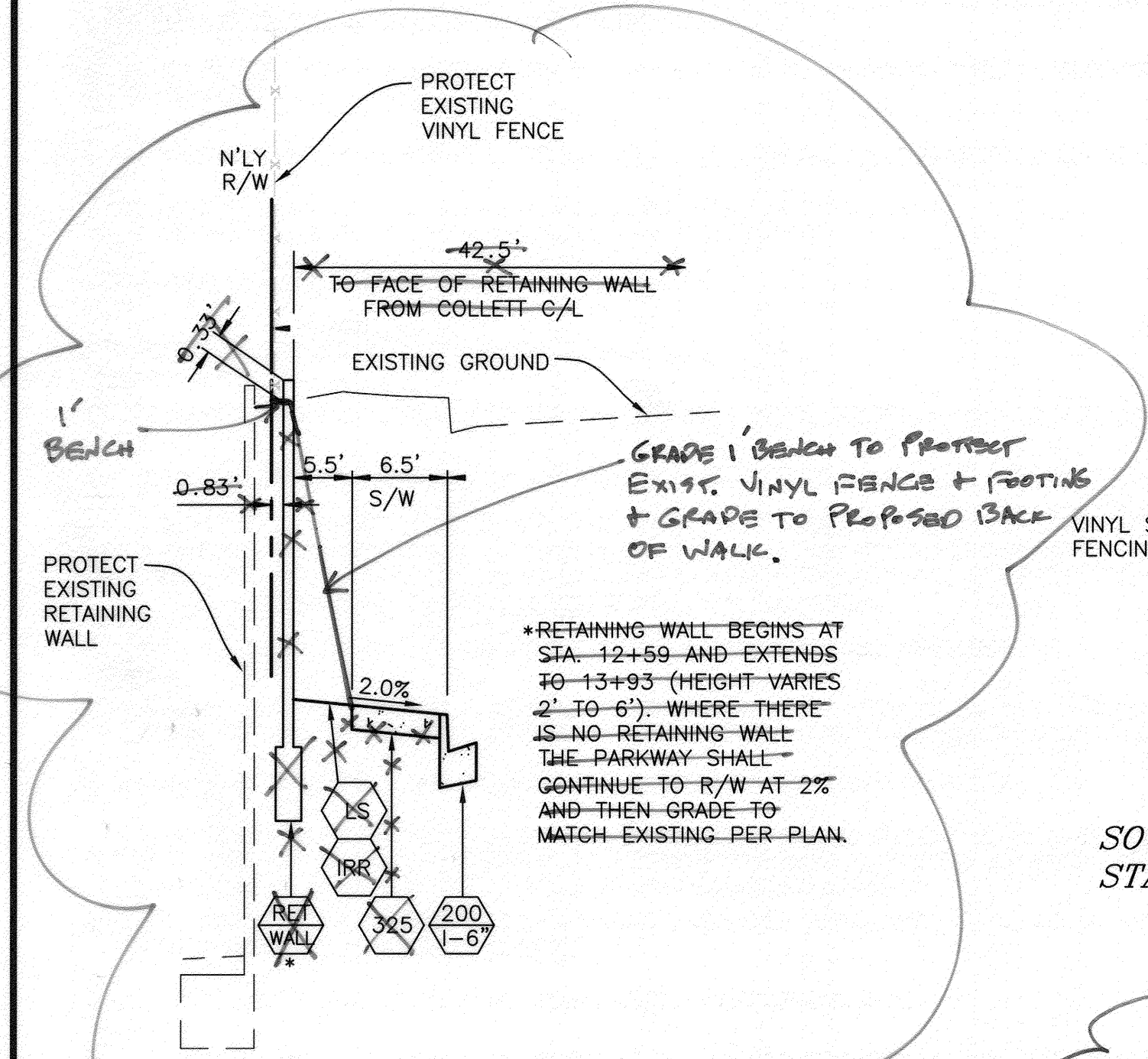
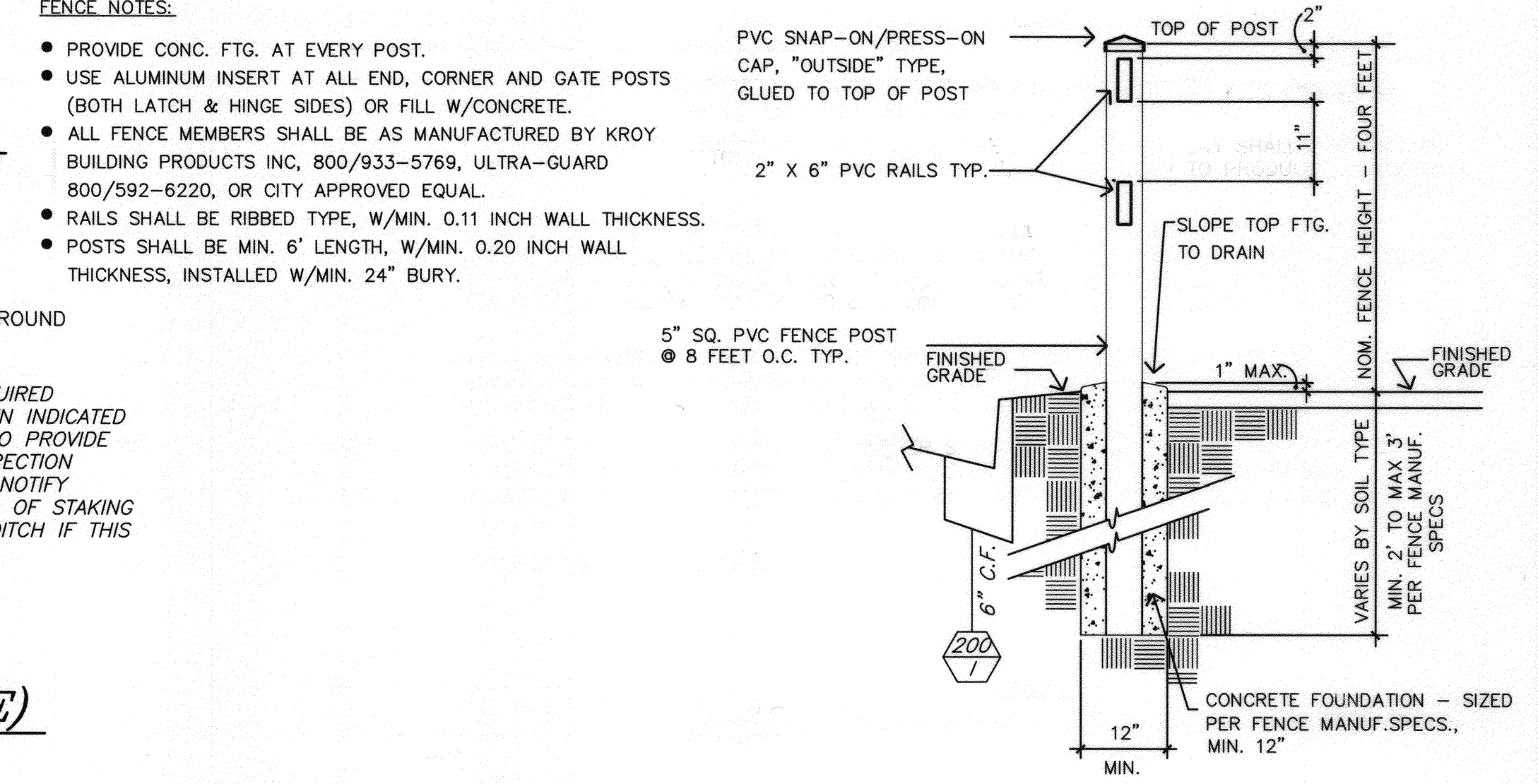
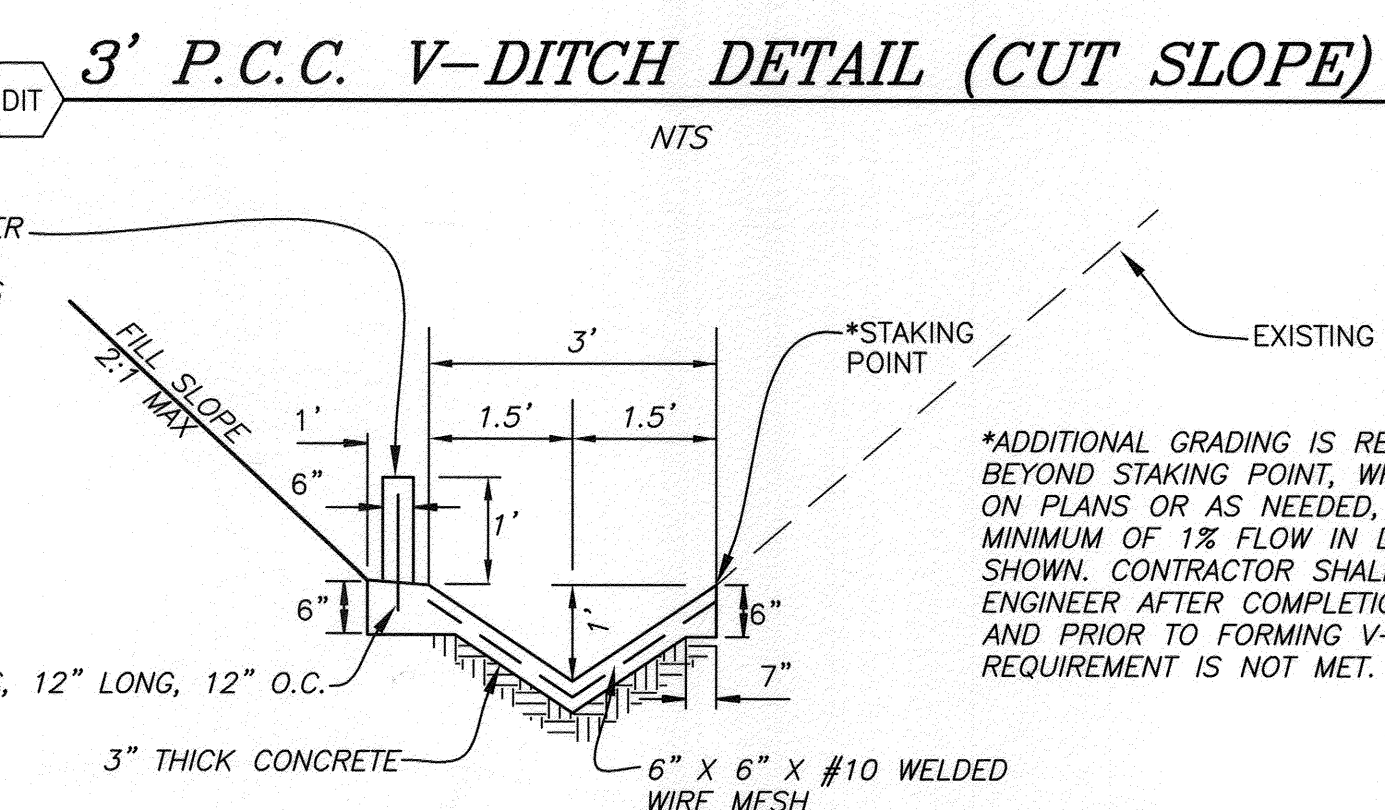
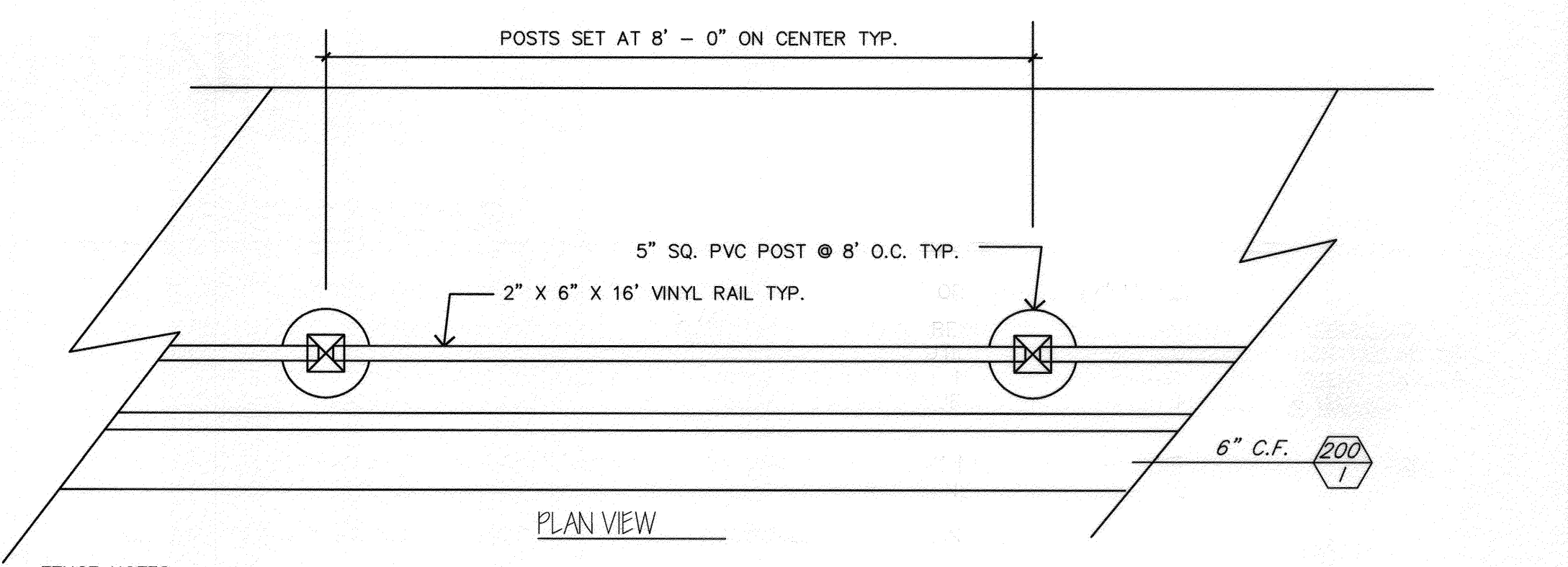
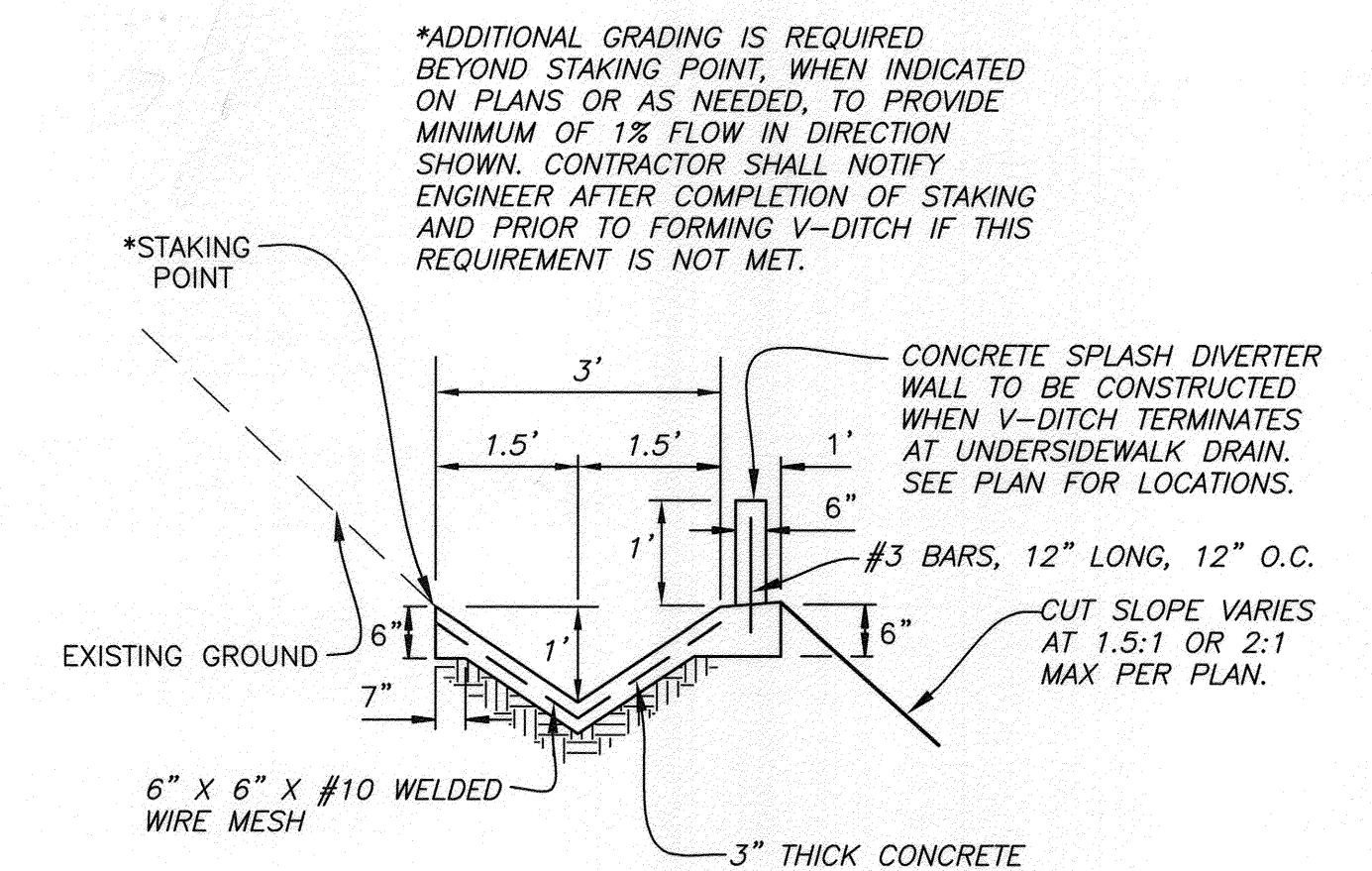
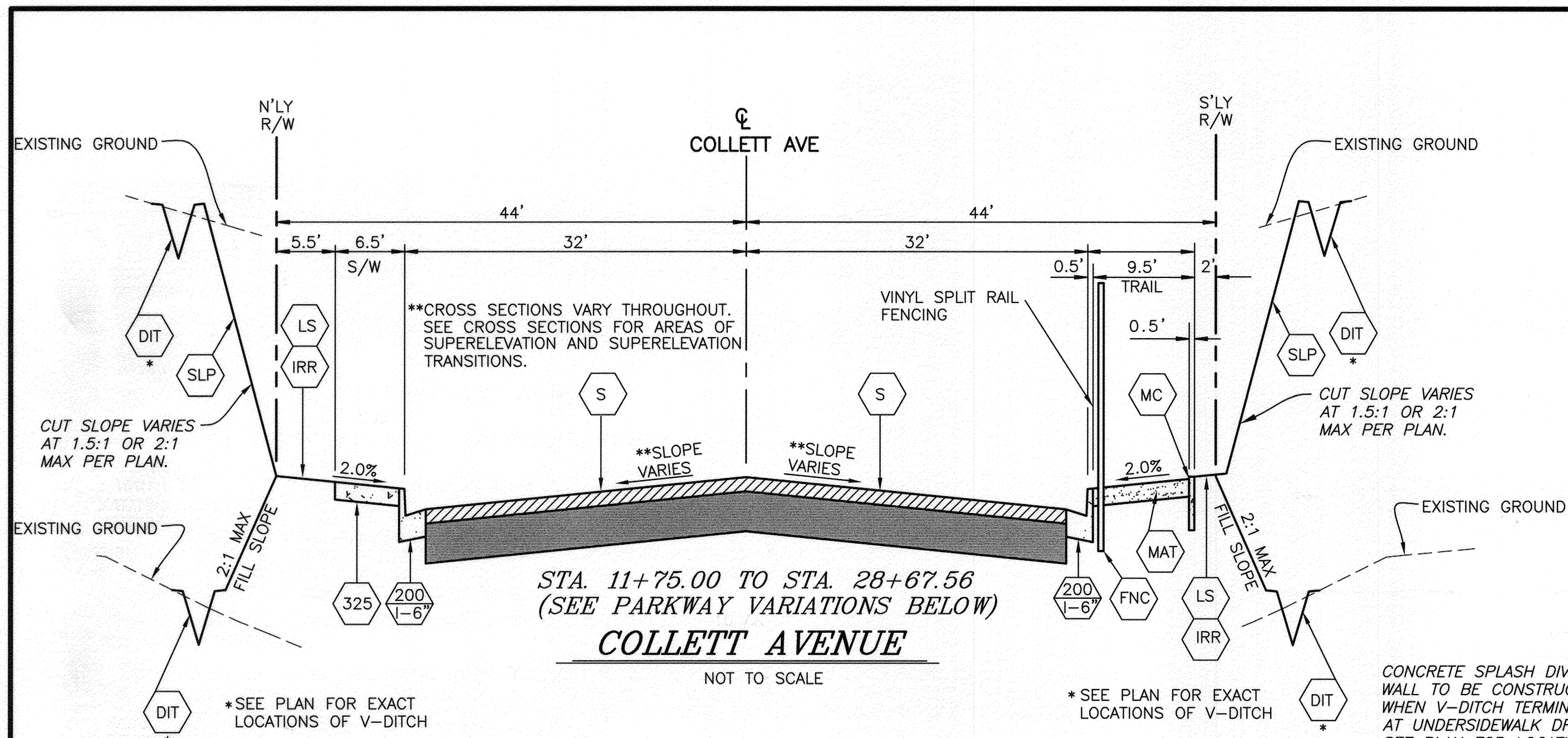
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	<i>Ed ...</i>	<i>12/11/13</i>	<i>...</i>
CONSTRUCTION ADMIN.	<i>...</i>	<i>12/11/13</i>	CITY ENGINEER
TRAFFIC DIVISION	<i>...</i>	<i>12-6-13</i>	
STREETS SERVICES	<i>...</i>		
SURVEYOR	<i>CS</i>	<i>12/11/13</i>	

STREET IMPROVEMENTS	
COLLETT AVENUE FROM BUCHANAN STREET TO PIERCE STREET	
TITLE SHEET AND NOTES	
HORIZ. SCALE: N/A	VERT. SCALE: N/A

DESIGN WORK ORDER NO. 0903325	
CONSTR. WORK ORDER NO. 1410170	
R-4261	
SHEET 1 OF 10	
FILE NAME: R4242-01.DWG	

AS-BUILT 10-27-15 JC

INDEXED 10-27-15 JC



BENCHMARK E2-B2
 ELEVATION: 716.156
 B.M. TRANSFER - SET PK AND CITY SURVEYOR
 TAG IN TC AT ECR OF NORTHEAST CURB
 RETURN OF PIERCE STREET AND COLLETT
 AVENUE

BEFORE YOU DIG
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 Call: TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

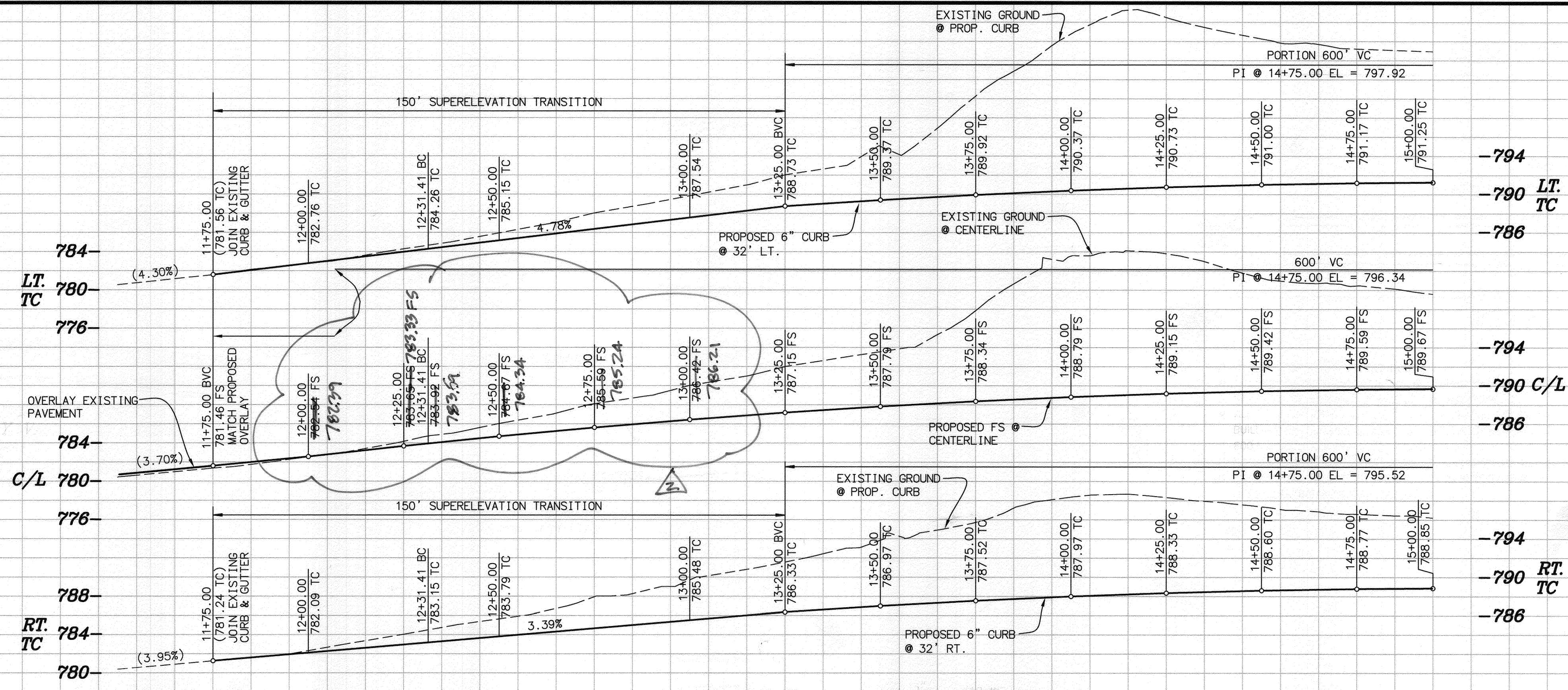
ENGINEER IN RESPONSIBLE CHARGE
 Chad Jan
 No. 63753 Exp. 9-30-2014
 R.C.E. No. 63753 EXPIRES: 9-30-14
 DATE: October 6, 2013

REMOVED WALL FROM DETAILS
 E.L. [Signature]
 MARK REVISIONS APPR. DATE

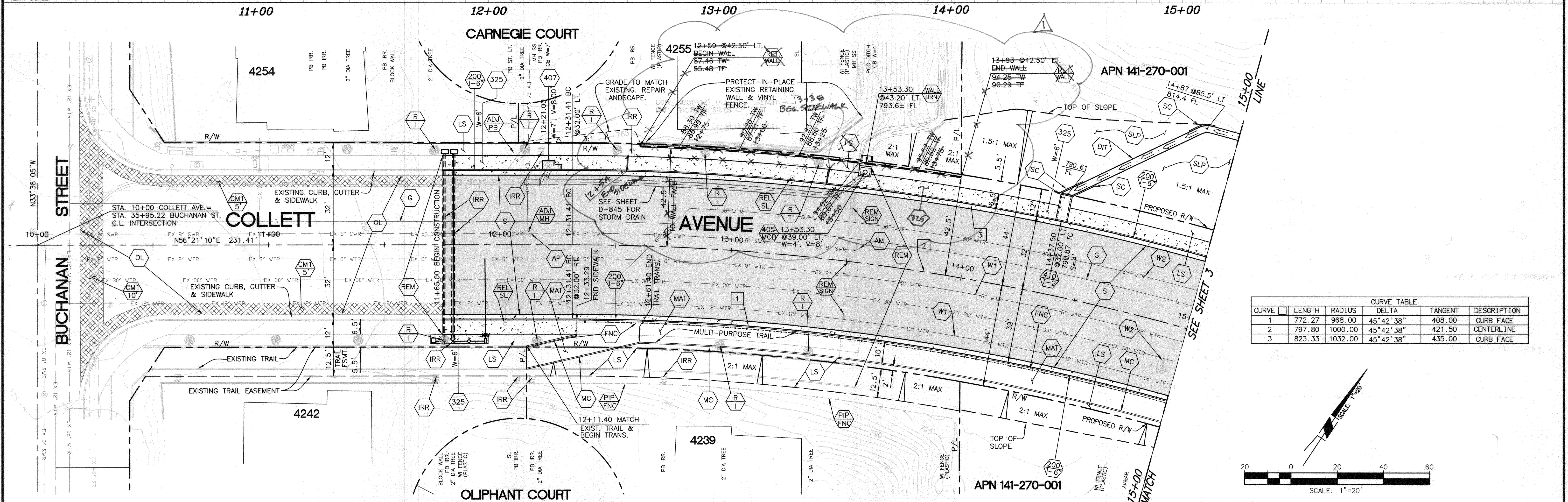
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 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: [Signature] DATE: 12/18/13
 ENGINEERING MANAGER
 CONSTRUCTION ADMIN. [Signature] DATE: 12-6-13
 TRAFFIC DIVISION
 STREETS SERVICES [Signature] DATE: 12/18/13

STREET IMPROVEMENTS
COLLETT AVENUE
 FROM BUCHANAN STREET
 TO PIERCE STREET
 TYPICAL SECTIONS AND DETAILS
 HORIZ. SCALE: N/A VERT. SCALE: N/A

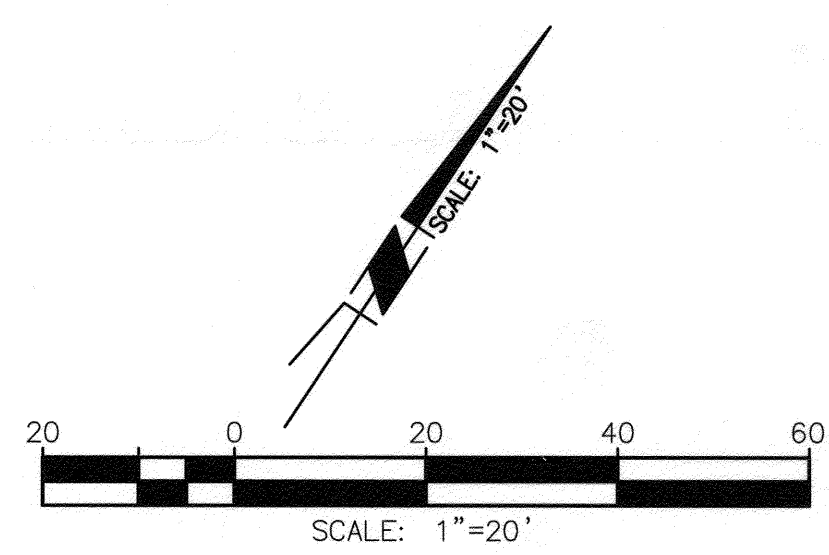
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 CONSTR. WORK ORDER NO.: 1410170
R-4261
 SHEET 2 OF 10
 FILE NAME: R4261-2.DWG



HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 8'



CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	DESCRIPTION
1	772.27	968.00	45°42'38"	408.00	CURB FACE
2	797.80	1000.00	45°42'38"	421.50	CENTERLINE
3	823.33	1032.00	45°42'38"	435.00	CURB FACE



BENCHMARK E2-B2
ELEVATION: 716.156
B.M. TRANSFER - SET PK AND CITY SURVEYOR TAG IN TC AT ECR OF NORTHEAST CURB RETURN OF PIERCE STREET AND COLLETT AVENUE

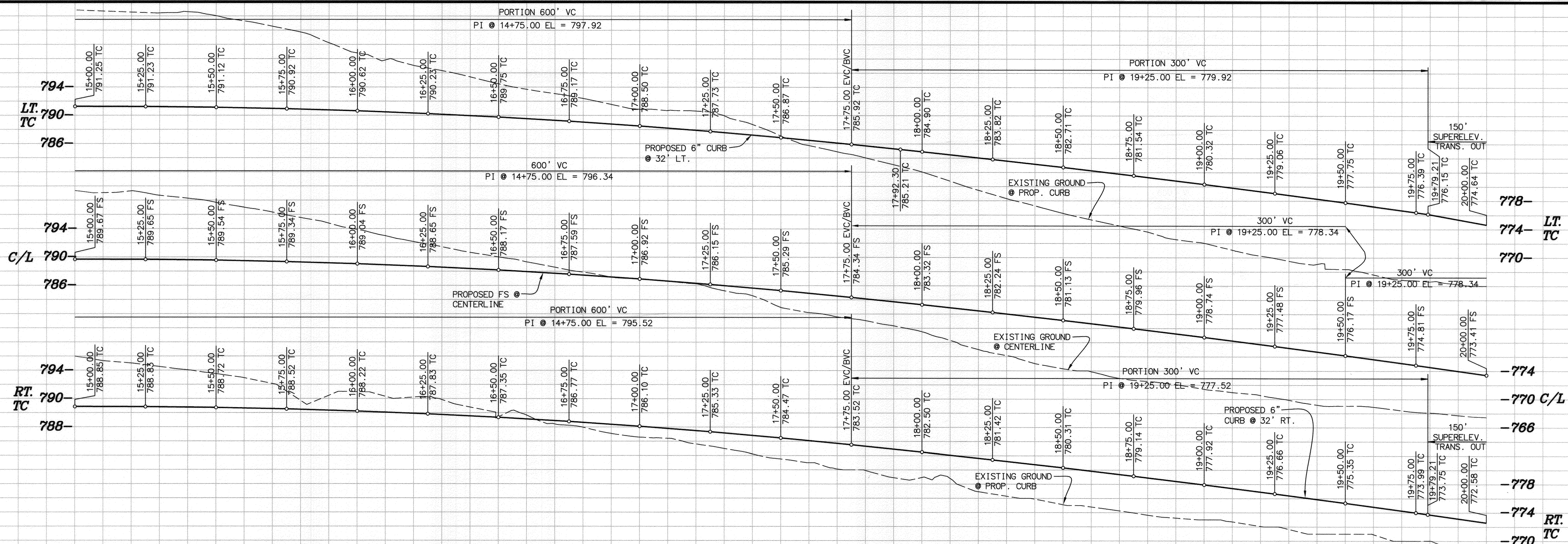
Under Ground Services Alert
of Southern California
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TWO WORKING DAYS BEFORE YOU DIG

ENGINEER IN RESPONSIBLE CHARGE
Edward Lee
Name: Edward Lee
R.C.E. No. 63753 EXPIRES: 9-30-14
DATE: December 6, 2013

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature]
CONSTRUCTION ADMIN. DATE: 12/9/13
TRAFFIC DIVISION DATE: 12-9-13
STREETS SERVICES SURVEYOR DATE: 12/11/13

STREET IMPROVEMENTS
COLLETT AVENUE FROM BUCHANAN STREET TO PIERCE STREET
BUCHANAN STREET TO STA. 15+00
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=8'

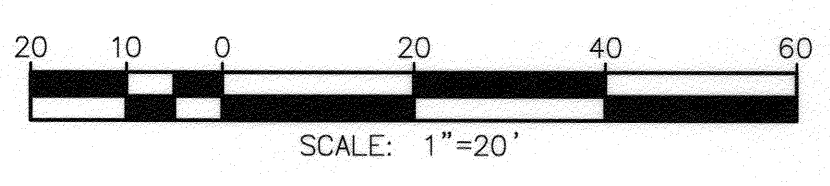
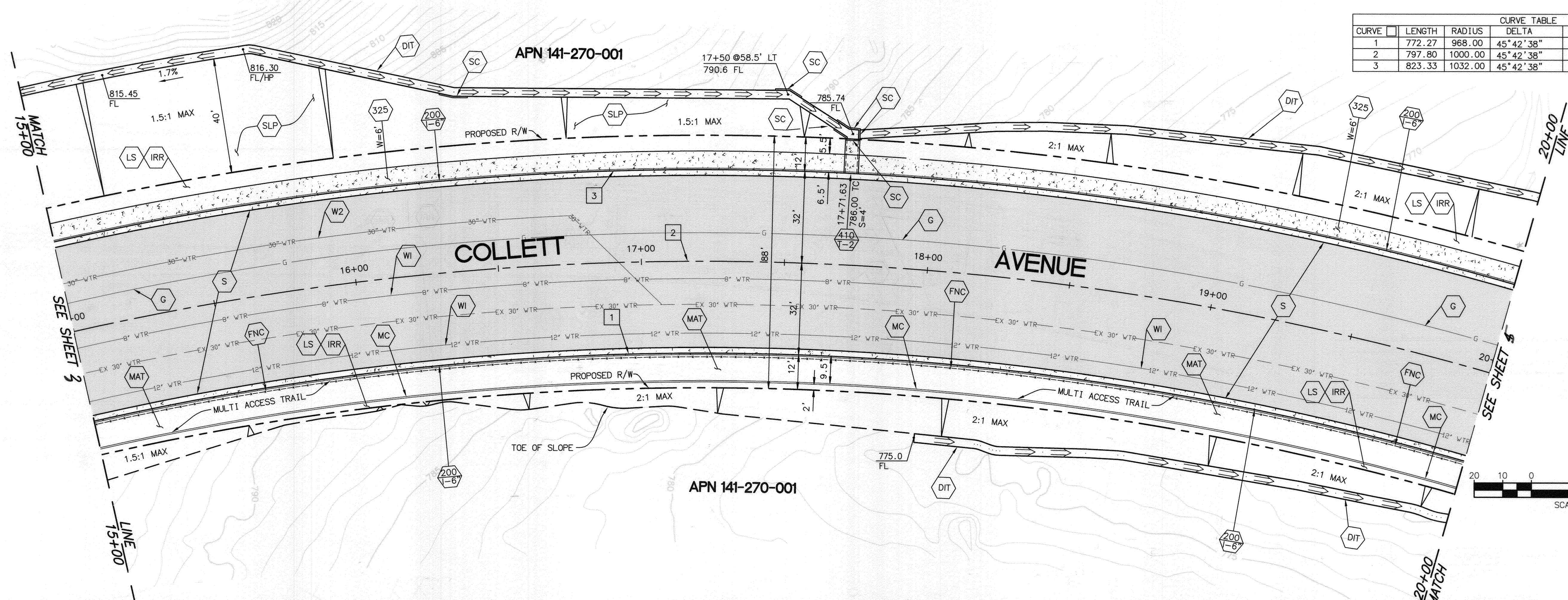
DESIGN WORK ORDER NO.: 0903325
CONSTR. WORK ORDER NO.: 1410170
R-4261
SHEET **3** OF **10**
FILE NAME: R4261-3.DWG



HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 8'

15+00 16+00 17+00 18+00 19+00 20+00

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BENCHMARK E2-B2
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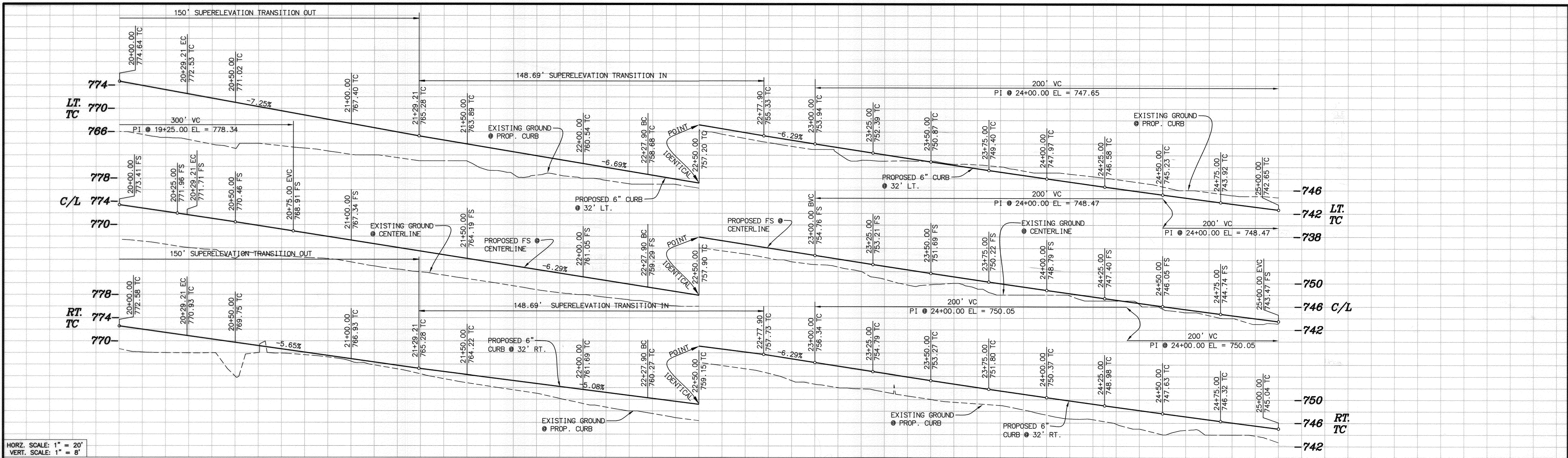
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Edward Lee
Name: Edward Lee
R.C.E. No. 63753 EXPIRES: 9-30-14
DATE: December 6, 2013

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *F.M.* DATE: 12/9/13
ENGINEERING MANAGER
CONSTRUCTION ADMIN. *DE*
TRAFFIC DIVISION *U* DATE: 12-9-13
STREETS SERVICES SURVEYOR *OS* DATE: 12/10/13

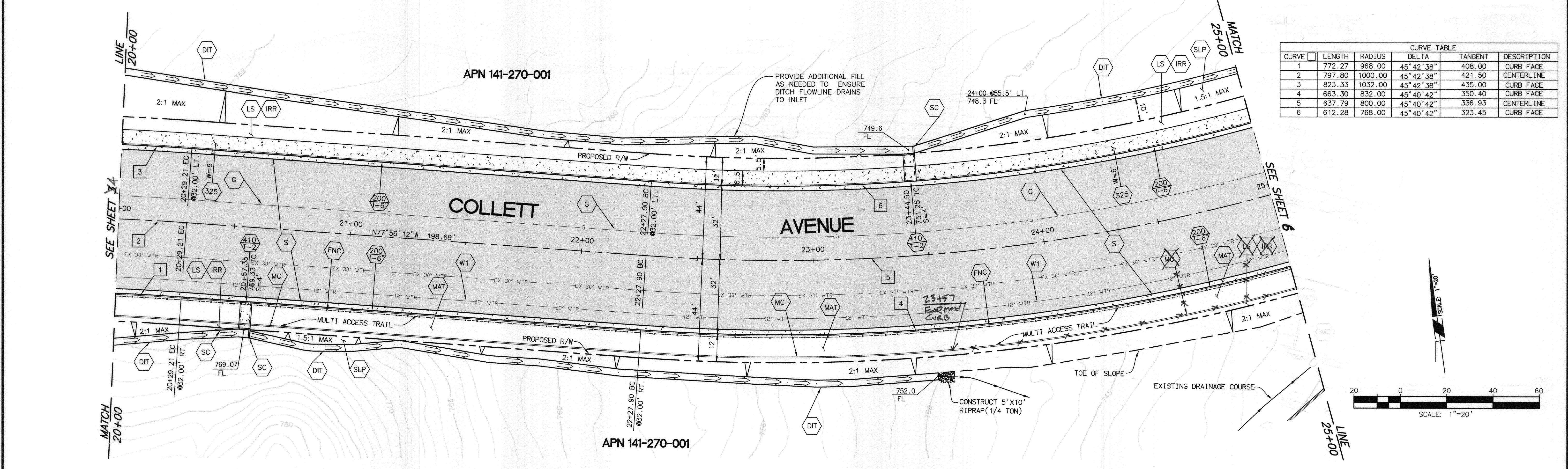
STREET IMPROVEMENTS
COLLETT AVENUE
FROM BUCHANAN STREET TO PIERCE STREET
STA 15+00 TO 20+00
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=8'

DESIGN WORK ORDER NO: 0903325
CONSTR. WORK ORDER NO: 1410170
R-4261
SHEET 4 OF 10
FILE NAME: R4261-4.DWG

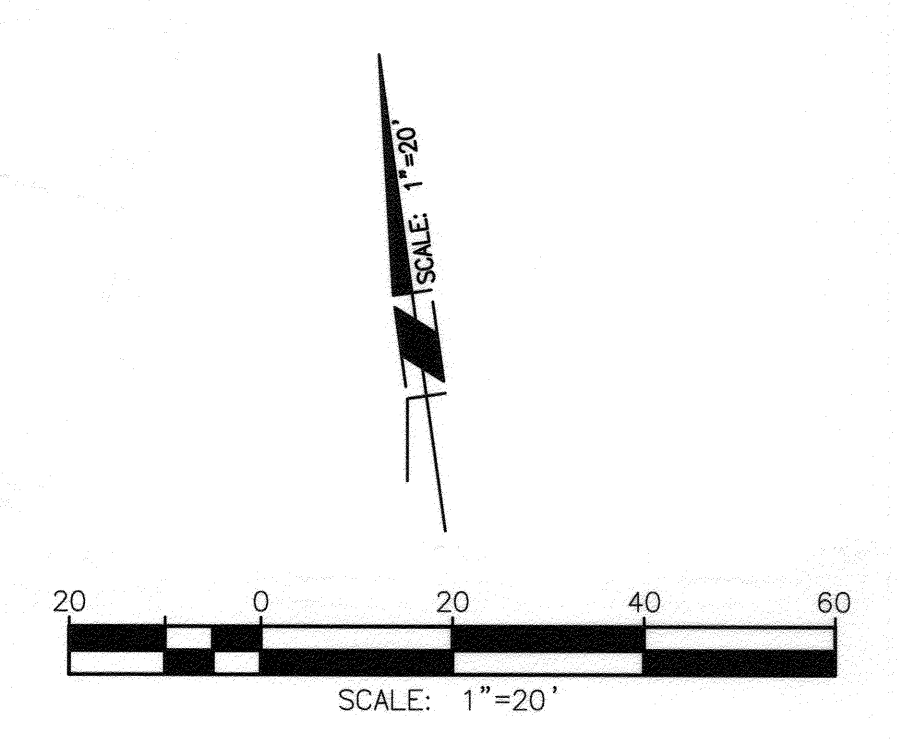


HORZ. SCALE: 1" = 20'
 VERT. SCALE: 1" = 8'

20+00 21+00 22+00 23+00 24+00 25+00



CURVE TABLE					
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4	663.30	832.00	45°40'42"	350.40	CURB FACE
5	637.79	800.00	45°40'42"	336.93	CENTERLINE
6	612.28	768.00	45°40'42"	323.45	CURB FACE



BENCHMARK E2-B2
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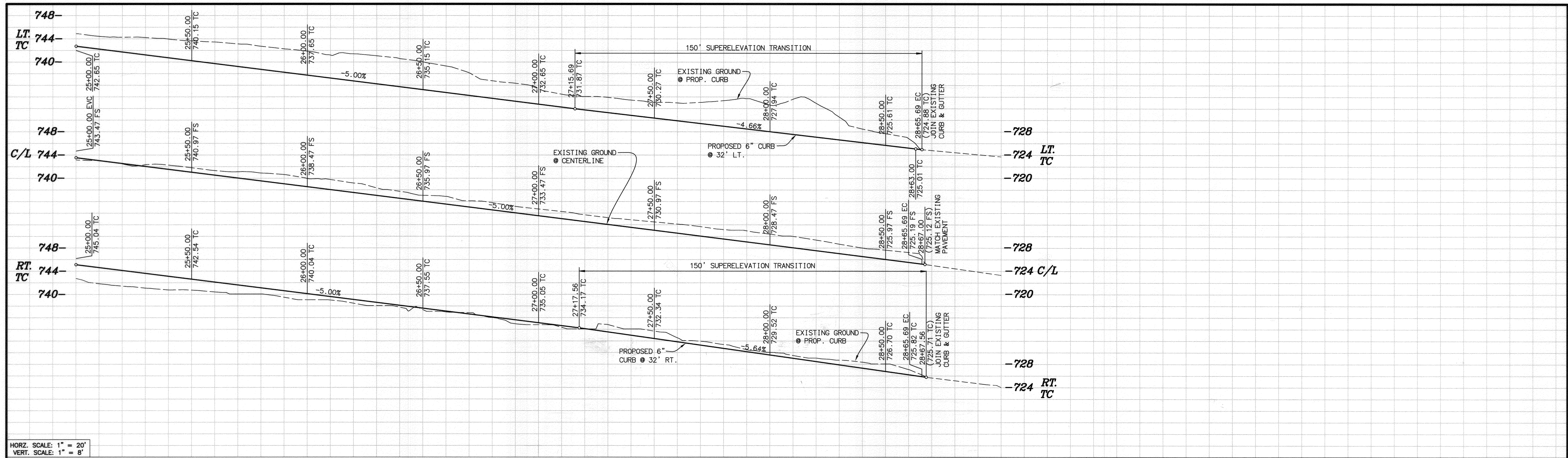
ENGINEER IN RESPONSIBLE CHARGE
 Edward Lee
 Name: Edward Lee
 R.C.E. No. 63753 EXPIRES: 9-30-14
 DATE: December 6, 2013

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: F.P. 12/9/13
 ENGINEERING MANAGER
 CONSTRUCTION ADMIN. DC 12/8/13
 TRAFFIC DIVISION L.H. 12-9-13
 STREETS SERVICES CS 12/10/13
 SURVEYOR

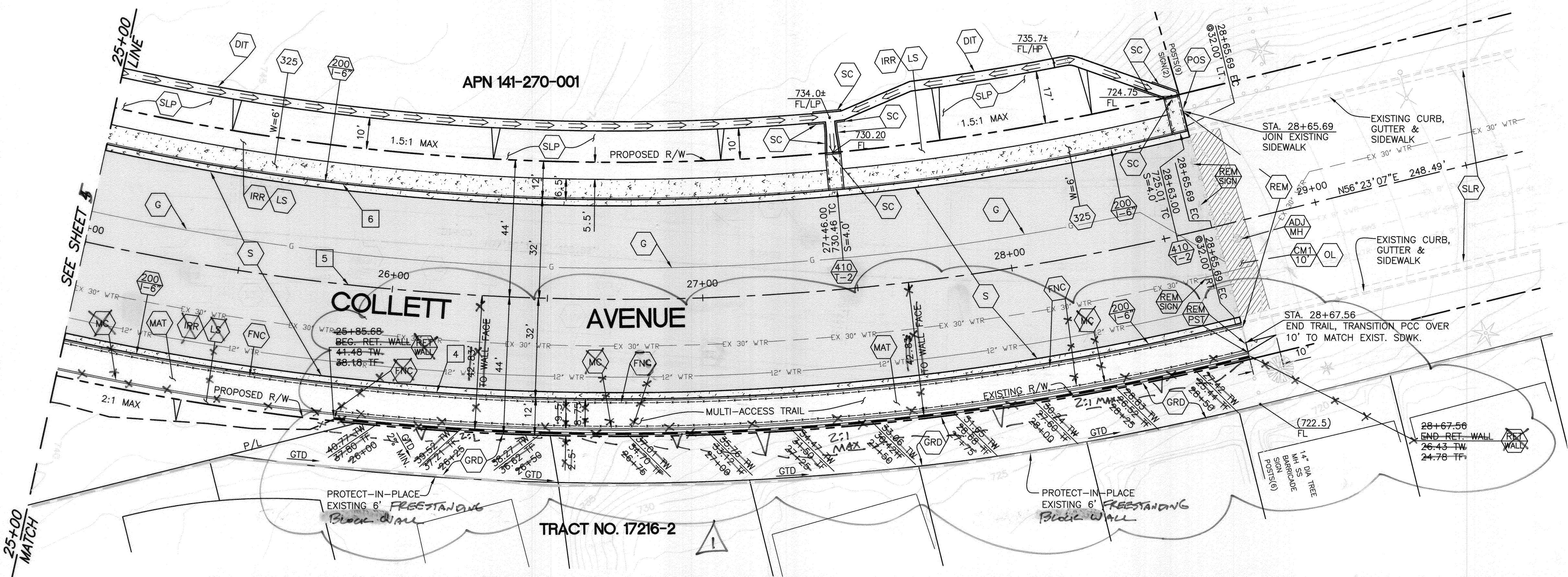
STREET IMPROVEMENTS
COLLETT AVENUE
 FROM BUCHANAN STREET TO PIERCE STREET
 STA 20+00 TO 25+00
 HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=8'

DESIGN WORK ORDER NO: 0903325
 CONSTR. WORK ORDER NO: 1410170
R-4261
 SHEET 5 OF 10
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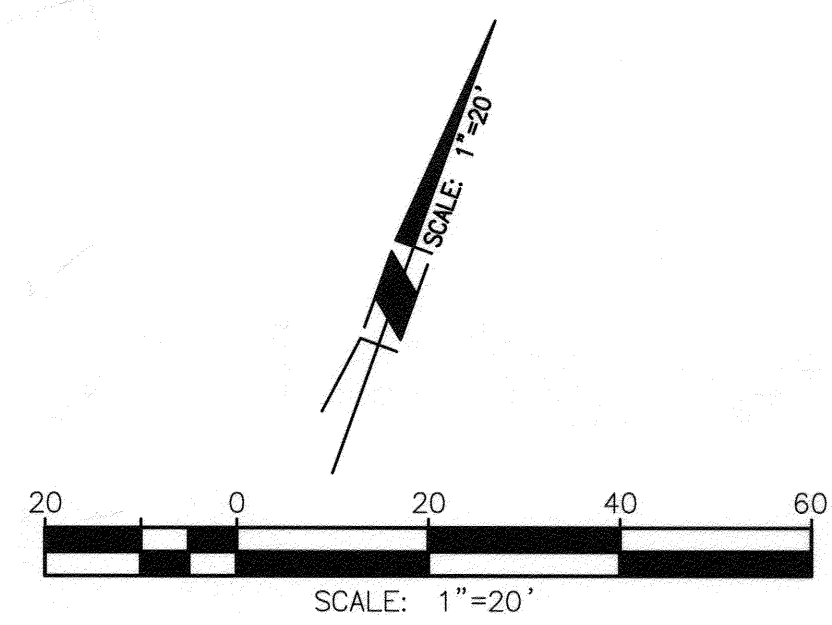


HORZ. SCALE: 1" = 20'
 VERT. SCALE: 1" = 8'

25+00 26+00 27+00 28+00 29+00



CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	DESCRIPTION
4	663.30	832.00	45°40'42"	350.40	CURB FACE
5	637.79	800.00	45°40'42"	336.93	CENTERLINE
6	612.28	768.00	45°40'42"	323.45	CURB FACE



BENCHMARK E2-B2
 ELEVATION: 716.156
 B.M. TRANSFER - SET PK AND CITY SURVEYOR
 TAG IN TC AT ECR OF NORTHEAST CURB
 RETURN OF PIERCE STREET AND COLLETT AVENUE

Under Ground Service Alert
 of Southern California
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ENGINEER IN RESPONSIBLE CHARGE

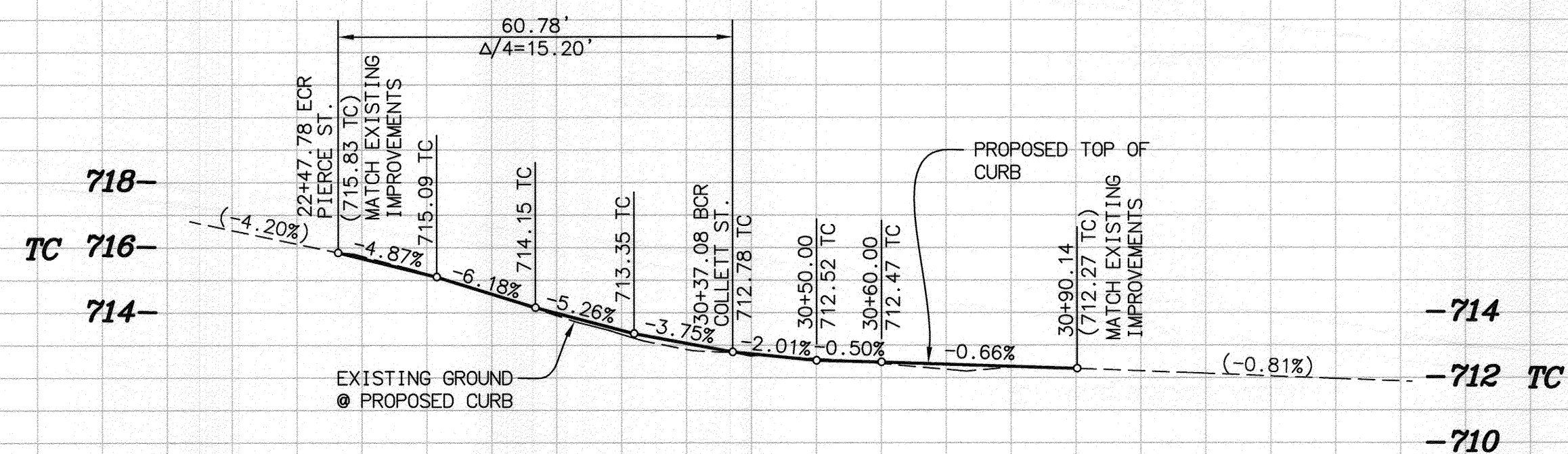
 Name: Edward Lee
 R.C.E. No. 63753 EXPIRES: 9-30-14
 DATE: December 6, 2013

DESIGNED BY: CS DRAWN BY: CS CHECKED BY: EL
 APPROVED BY: E.L. Vacker
 REVISIONS: REMOVE MAIL CLOSURE, FENCE

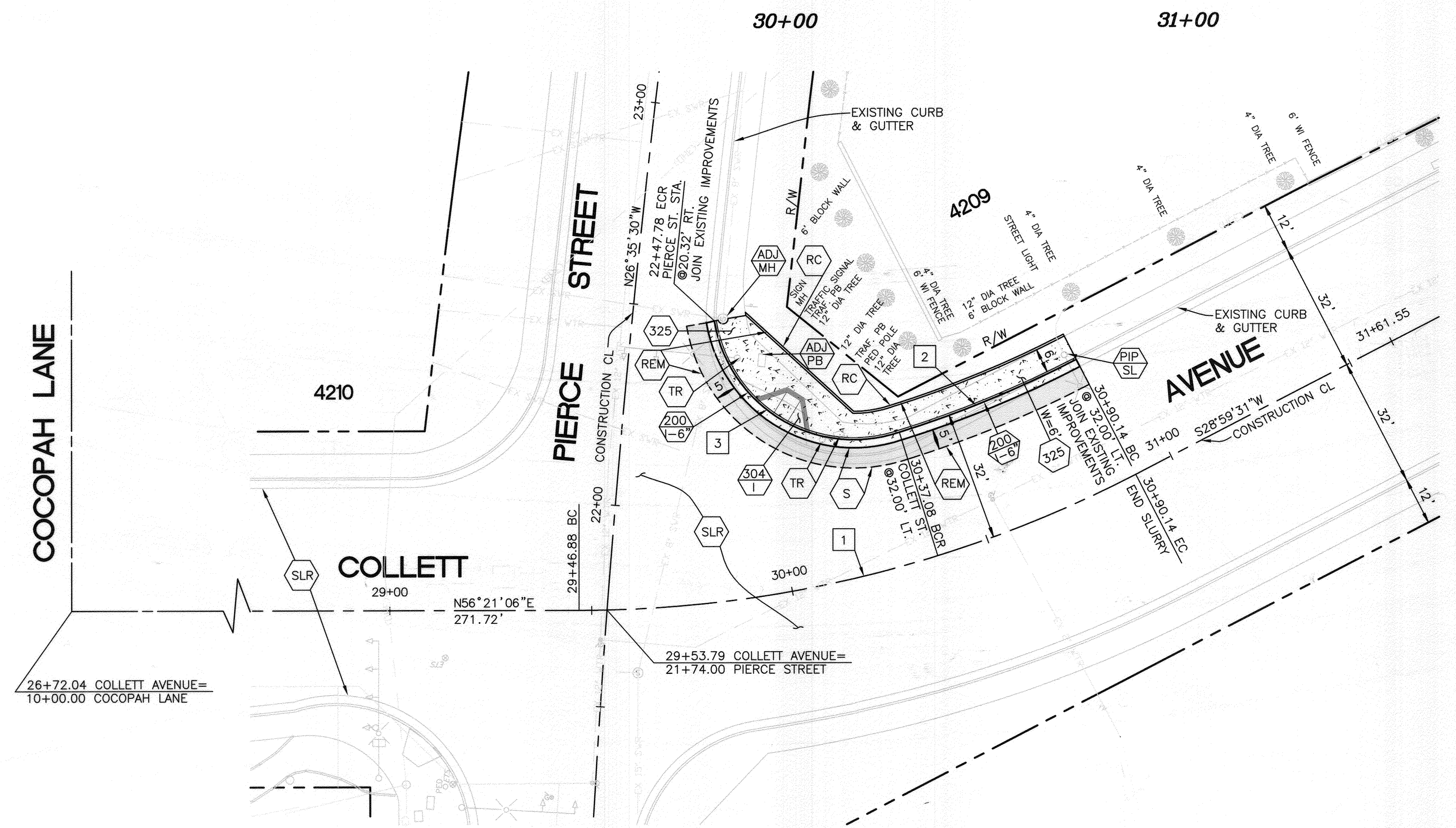
CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: F.M. DATE: 12/9/13
 CONSTRUCTION ADMIN. DATE: 12/9/13
 TRAFFIC DIVISION DATE: 12-9-13
 STREETS SERVICES SURVEYOR DATE: 12/11/13

STREET IMPROVEMENTS
COLLETT AVENUE
 FROM BUCHANAN STREET TO PIERCE STREET
 STA 25+00 TO 28+77
 HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 8'

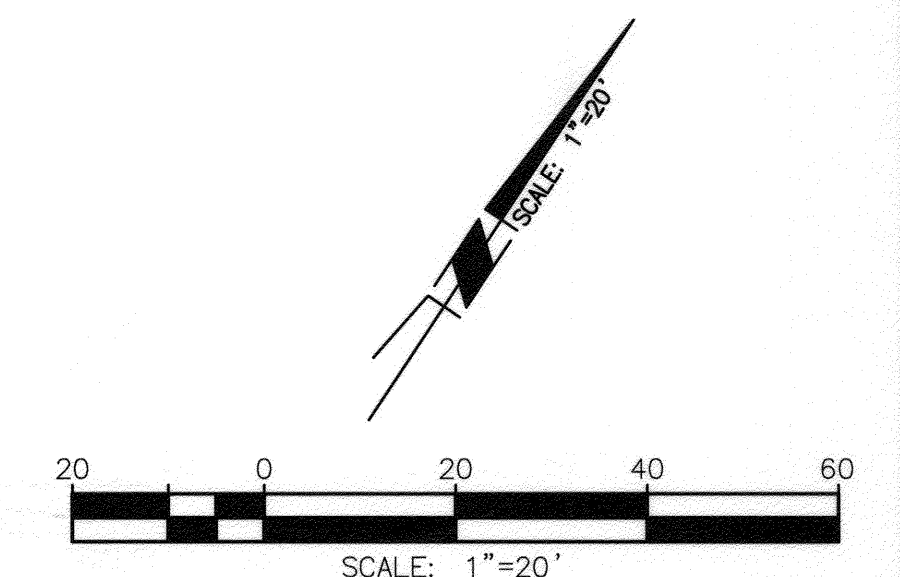
DESIGN WORK ORDER NO.: 0903325
 CONSTR. WORK ORDER NO.: 1410170
R-4261
 SHEET **6** OF **10**
 FILE NAME:



HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 8'



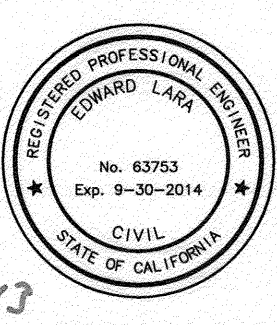
CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	DESCRIPTION
1	143.25	300.00	27°21'35"	73.02	CENTERLINE
2	47.40	268.00	10°08'00"	23.76	CURB FACE
3	60.78	35.00	99°30'22"	41.35	CURB FACE



BENCHMARK E2-B2
ELEVATION: 716.156
B.M. TRANSFER - SET PK AND CITY SURVEYOR TAG IN TC AT ECR OF NORTHEAST CURB RETURN OF PIERCE STREET AND COLLETT AVENUE



ENGINEER IN RESPONSIBLE CHARGE
Edward Lora
Name: Edward Lora
R.C.E. No. 63753 EXPIRES: 9-30-14
DATE: December 6, 2013



MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	F.M.	12/9/13	<i>[Signature]</i>
CONSTRUCTION ADMIN.	D.K.	12/9/13	CITY ENGINEER
TRAFFIC DIVISION	E.H.	12-9-13	
STREETS SERVICES			
SURVEYOR		12/10/13	

STREET IMPROVEMENTS
COLLETT AVENUE
FROM BUCHANAN STREET
TO PIERCE STREET
COLLETT AVE. AND PIERCE ST. INTERSECTION
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=8'

DESIGN WORK ORDER NO.: 0903325
CONSTR. WORK ORDER NO.: 1410170
R-4261
SHEET **7** OF **10**
FILE NAME: R4261-07

POINT OF CONNECTION ELECTRIC NOTES

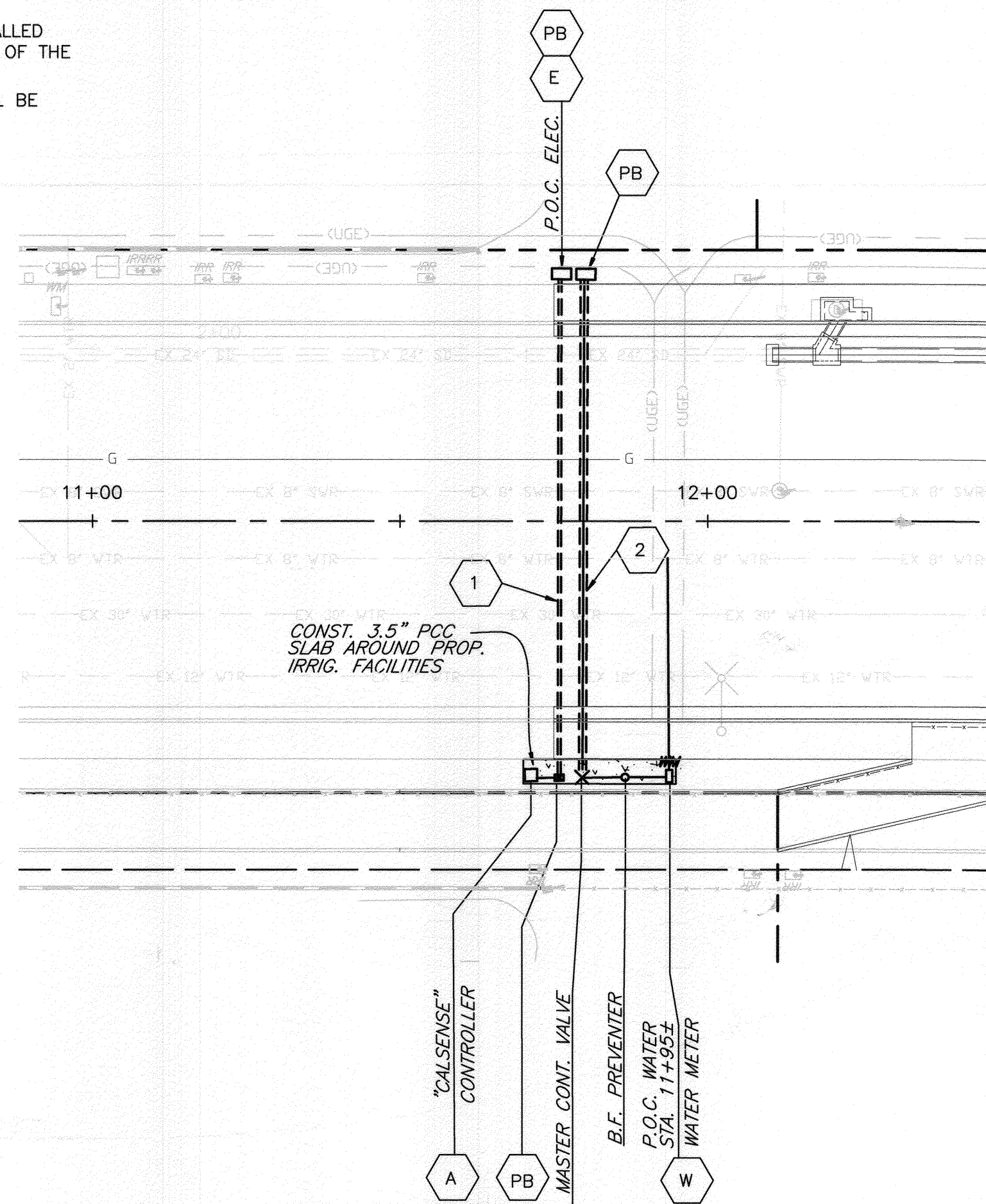
- SIX WEEKS IN ADVANCE OF REQUIRING POWER TO THE IRRIGATION CONTROLLER BOX, THE CONTRACTOR SHALL REQUEST THE RIVERSIDE PUBLIC UTILITIES DEPARTMENT, ELECTRIC DIVISION TO ENERGIZE A HARD WIRED CONNECTION (NO ELECTRIC METER IS REQUIRED AT THIS LOCATION) AT THE CONTROLLER BOX. RPUD'S COST FOR THE WORK SHALL BE CHARGED TO THE WORK ORDER NUMBER SHOWN AT THE BOTTOM RIGHT HAND CORNER OF THE LANDSCAPE DETAILS PLAN.
- ALL FACILITIES INSTALLED BY THE CONTRACTOR SHALL BE INSPECTED AND APPROVED BY THE UTILITIES DEPT. CONSTRUCTION INSPECTOR (PH. ANY CHANGES SHALL BE APPROVED BY R.P.U. ELECTRIC PRIOR TO EXECUTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL PHASES OF CONSTRUCTION WITH THE UTILITIES DEPT. CONSTRUCTION INSPECTOR AND CONSTRUCTION SUPERINTENDENT (PH. 826-2415).
- ALL IRRIGATION CONTROLLER FEED POINTS TO BE CONNECTED BY R.P.U. ELECTRIC AND ENERGIZED WHEN CLEARED BY RPU ELECTRIC INSPECTOR.
- ALL WIRE TO BE #8 CU. THW OR AS SHOWN ON THE PLANS.
- CONDUIT AND FITTINGS TO BE IN CONFORMANCE WITH UGS-100. BACKFILL TO BE TYPE AND COMPACTED AS SPECIFIED IN UGS-100.1.
- PROVIDE RELEASE LETTER AUTHORIZING ENERGIZATION, SIGNED BY RESPONSIBLE PERSON IN CHARGE. OBTAIN FORM LETTER FROM RPU ELECTRIC INSPECTOR.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AS NECESSARY TO THE RIVERSIDE PUBLIC UTILITIES ELECTRIC POINT OF CONNECTION.

IRRIGATION CONSTRUCTION NOTES:

- ALL IRRIGATION SHALL BE DESIGNED AS A TORO DRIP SYSTEM PER SPECIAL PROVISIONS EXCEPT FOR THE HYDROSEEDED SLOPES. THE HYDROSEEDED SLOPES SHALL BE IRRIGATED WITH A TEMPORARY SPRAY SYSTEM SUFFICIENT TO IRRIGATE THE HYDROSEEDED SLOPES FOR THE 1 YEAR PLANT ESTABLISHMENT PERIOD.
- ALL IRRIGATION LINES TO BE INSTALLED UNDER HARDSCAPE AREAS SHALL BE INSTALLED IN SCH. 40 P.V.C. SLEEVES. MINIMUM SLEEVE SIZE SHALL BE TWICE THE DIAMETER OF THE IRRIGATION PIPE SIZE.
- ALL IRRIGATION CONTROL WIRES TO BE INSTALLED UNDER HARDSCAPE AREAS SHALL BE INSTALLED IN A MINIMUM OF 1" SCH. 40 P.V.C. SLEEVE.
- ALL IRRIGATION VALVES, BALL VALVES, QUICK COUPLERS AND BOXES ARE TO BE LOCATED IN PLANTING AREAS.
- BACKFLOW PREVENTER AND PRESSURE REGULATOR ARE REQUIRED.

IRRIGATION CONSTRUCTION LEGEND:

- 1) INSTALL 2" DIA. P.V.C. SCH. 40 SLEEVING, EXTENDING 1' INTO PLANTING AREA OF MEDIAN WITH A MINIMUM OF 24" COVER, TERMINATING IN BROOKS #3 PULLBOX OR CITY APPROVED EQUAL W/TRAFFIC COVER, AT EACH END, FOR IRRIGATION CONTROL WIRES.
- 2) INSTALL 4" DIA. P.V.C. SCH. 40 SLEEVING, EXTENDING 1' INTO PLANTING AREA OF MEDIAN, 24" COVER, FOR IRRIGATION SUPPLY LINE.
- A) SEE IRRIGATION SYSTEM DESIGN CRITERIA NOTE FOR AUTOMATIC IRRIGATION CONTROLLER. CONTROLLER SHALL BE "CALSENSE" APPROVED BY THE CITY.
- E) PROVIDE ELECTRIC SERVICE FROM EXISTING ELECTRIC IRRIGATION BOX ON NORTH SIDE OF THE STREET @ STA. 11+00+/-, SEE SPECIAL PROVISIONS FOR IRRIGATION ELECTRICAL SYSTEM DESIGN CRITERIA.
- W) SEE SPECIAL PROVISIONS FOR IRRIGATION WATER SYSTEM DESIGN CRITERIA.
- PB) FURNISH AND INSTALL PULLBOX PER DETAIL IN STANDARD SPECIFICATIONS.

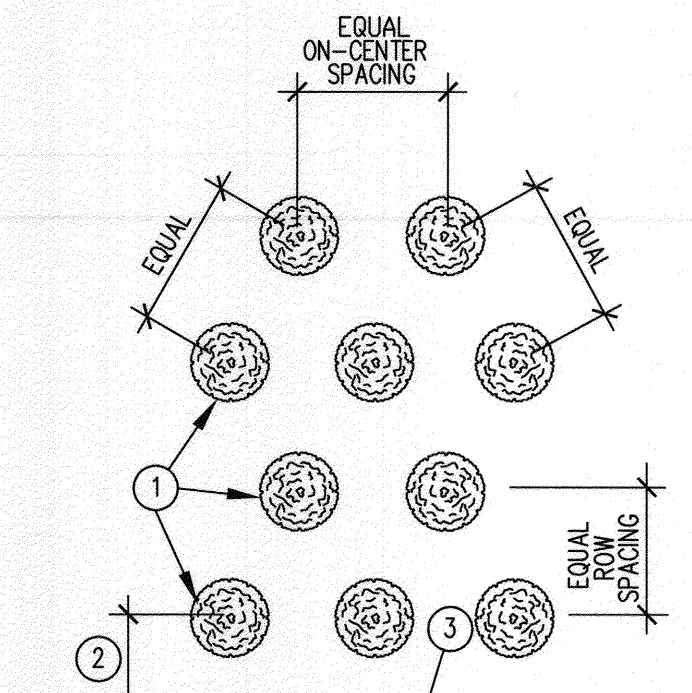


NOTES: 1) A NEW WATER METER AT STATION 11+95± COLLETT AVENUE SHALL BE INSTALLED, WHICH INCLUDES WATER METER, BACKFLOW PREVENTER, CALSENSE CONTROLLER, ELECTRIC P.O.C., AND ALL SLEEVING AND IRRIGATION NECESSARY TO COVER ALL REQUIRED NEWLY LANDSCAPED AREAS INCLUDED WITHIN THESE PROJECT LIMITS. ALL EXISTING LANDSCAPE WHICH IS TO BE REMOVED AND REPLACED SHALL CONTINUE TO BE IRRIGATED WITH THE EXISTING IRRIGATION SYSTEM. THE EXISTING IRRIGATION SYSTEM SHALL BE MODIFIED AND/OR REPAIRED AS NEEDED TO MAINTAIN IRRIGATION TO THIS AREA. ALL THESE ITEMS INCLUDING THE CONCRETE PAVEMENT IS INCLUDED IN THE UNIT PRICE FOR IRRIGATION DESIGN AND INSTALLATION.

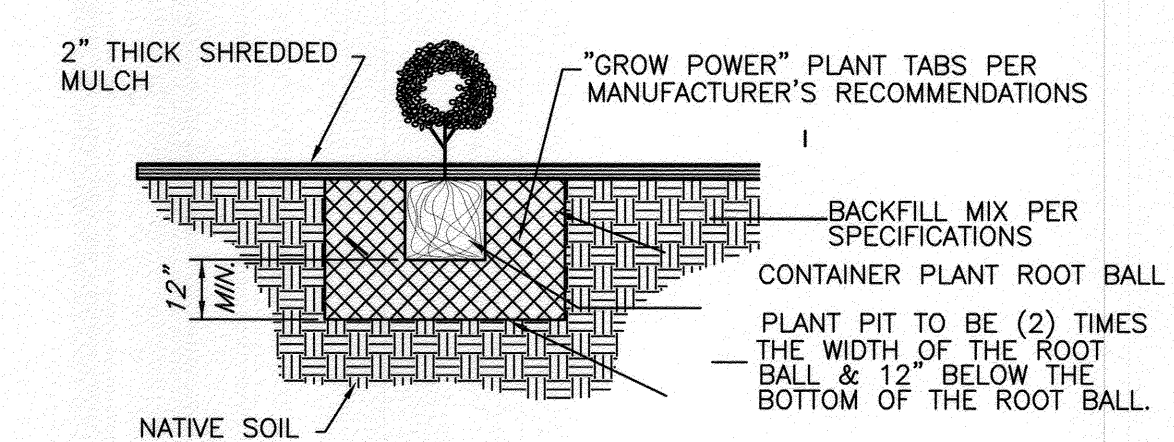
COLLETT AVENUE LANDSCAPE SERVICE DETAILS

SCALE: 1"=20'

PLANTING LEGEND						
CALLOUT	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	QUANTITY
T-1		TABEBUIA CHRYSOTRICHA	GOLDEN TRUMPET TREE	24" BOX	SPACED @ 30' MIN. LOCATIONS SHOWN ARE APPROXIMATE	50 (EA)
S-1		ROSA 'NOARE'	ROSE	5 GAL.	PER PLAN	440 (EA)
S-2		STRELITZIA REGINAE	BIRD OF PARADISE	5 GAL.	PER PLAN	440 (EA)
S-3		TULBAGHIA VIOLACEA	SOCIETY VARIGATED GARLIC	5 GAL.	PER PLAN	440 (EA)
S-4		MYOPORUM PARVIFOLIUM 'PROSTRATUM'	MYOPORUM	1 GAL.	24" O.C. TRIANGULARLY SPACED	700 (EA)
S-5		N/A	NATIVE GRASSLAND AND FLOWERS	HYDROSEED	N/A	25,000 (SF)
M		MULCH	SHREDDED BARK MULCH	BULK	ALL SHRUBS PLANTING AREAS SHOULD BE TOP DRESSED W/ 2" THICK LAYER OF SHREDDED BARK MULCH. (SEE SPECIFICATION)	13,000 (SF)



GROUNDCOVER TRIANGULAR SPACING



CONTAINER PLANTING PARKWAY PLANTER

- NOTES: 1. UNTANGLE MATTED ROOTS BY LOOSENING ALL ROOTS AT EDGE OF ROOT BALL WITH WATER FROM HOSE. DO NOT CRACK ROOT BALL.
2. PLACE "GROW POWER" TABS IN PLANT CONTAINER PRIOR TO PLANTING FOR OBSERVATION PURPOSES.

PLANTING NOTES:

- CONTRACTOR SHALL CALL THE ENGINEER'S ATTENTION TO SITE CONDITIONS WHICH PREVENT HIS INSTALLATION PER PLAN IN A REASONABLE MANNER.
- REPLACEMENT OF DAMAGED OR DESTROYED PLANTINGS SHALL TAKE PLACE WITHIN 48 HOURS OF NOTIFICATION BY THE ENGINEER, OR SAID REPLACEMENT ITEMS SHALL BE DEDUCTED FROM THE CONTRACTOR'S FINAL BILLING.
- REPLACEMENT ITEMS SHALL BE EXACT DUPLICATE OF ORIGINAL WORK OR PLANTS, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- IRRIGATION SYSTEM SHALL BE INSTALLED PRIOR TO PLANT MATERIAL.
- TREES SHALL BE PLANTED AFTER CONCRETE PAVEMENT, BUT NOT BEFORE IRRIGATION COVERAGE HAS BEEN APPROVED.
- PLACE TREES BETWEEN SPRAY HEADS WHEREVER POSSIBLE.
- A SITE SHALL BE PRE-SELECTED BY THE ENGINEER FOR PLANT DELIVERY AND APPROVAL, FOR MIXING OF BACKFILL.
- CLEAN-UP SHALL TAKE PLACE ON A DAILY BASIS UNLESS OTHERWISE APPROVED BY THE CITY'S REPRESENTATIVE.
- MAINTENANCE PERIOD SHALL BE A MINIMUM OF ONE YEAR (365) CONSECUTIVE CALENDAR DAYS FOR STREET TREES AND SLOPE HYDROSEED AND A MINIMUM OF ONE YEAR (365) CONSECUTIVE CALENDAR DAYS FOR SHRUB AND SOD FROM DATE OF ACCEPTANCE. MAINTENANCE SHALL INCLUDE WEEKLY WEED AND RODENT ABATEMENT PROCEDURES INCLUDING FOLIAR APPLICATION OF CHELATED IRON AND TRACE MINERALS 90 DAYS APART.
- ALL PLANTING AND IRRIGATION WORK SHALL BE GUARANTEED AGAINST ANY AND ALL POOR, INADEQUATE, OR INFERIOR MATERIALS AND/OR WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FOLLOWING THE DATE OF PROJECT ACCEPTANCE.

GENERAL NOTES FOR PUBLIC LANDSCAPES:

- ALL RELATED WORK SHALL CONFORM TO THE CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS FOR PLANTING AND IRRIGATION WORK. (SECTIONS 02441 AND 02483).
- A "PUBLIC LANDSCAPE" PERMIT, AS ISSUED BY THE PUBLIC WORKS DEPARTMENT IS REQUIRED. CONTACT THE PUBLIC WORKS LANDSCAPE INSPECTOR AT (951) 351-6313 TO SCHEDULE A PRE-CONSTRUCTION MEETING AND TO OBTAIN THE PERMIT.
- WHEN CALLING FOR INSPECTIONS, CONTACT THE PUBLIC WORKS LANDSCAPE INSPECTOR A MINIMUM OF 48 HOURS IN ADVANCE TO SCHEDULE AN INSPECTION. A WRITTEN APPROVAL WILL BE PROVIDED ON THE PUBLIC LANDSCAPE PERMIT CARD FOR EACH STAGE OF INSPECTION. A VERBAL APPROVAL WILL NOT BE ACCEPTABLE. INSPECTIONS ARE REQUIRED PER THE STANDARD SPECIFICATIONS, AND INCLUDE BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING:
 - a. AFTER COMPLETION OF FINAL GRADING AND WHEN ALL UTILITY SERVICES HAVE BEEN MARKED, BUT PRIOR TO INITIATING ANY LANDSCAPE WORK WITHIN THE PUBLIC RIGHT OF WAY.
 - b. AT TIME OF INSTALLATION OF IRRIGATION SLEEVES AND CONSTANT PRESSURE MAINLINES, BUT PRIOR TO BACKFILL OF TRENCHES FOR SAME (NOTE: MAINLINES MUST BE PRESSURE TESTED IN THE PRESENCE OF THE PUBLIC WORKS LANDSCAPE INSPECTOR).
 - c. AT TIME OF INSTALLATION OF IRRIGATION VALVES, LATERALS AND HEADS.
 - d. FOR SPOTTING OF ALL TREES PRIOR TO DIGGING PLANTING PITS.
 - e. WHILE DIGGING PLANT PITS AND PLANTING/ RELOCATING TREES.
 - f. AFTER PLANTING AND ALL OTHER INDICATED OR SPECIFIED WORK HAS BEEN COMPLETED, FOR START OF MAINTENANCE.
 - g. AT SUBSTANTIAL COMPLETION OF THE PROJECT FOR CITY'S ACCEPTANCE TO START THE REQUIRED MAINTENANCE PERIOD.
 - h. AT THE END OF THE MAINTENANCE PERIOD, THE CONTRACTOR/DEVELOPER SHALL CALL THE PUBLIC WORKS LANDSCAPE INSPECTOR AT THE NUMBER LISTED ABOVE FOR A FINAL ACCEPTANCE INSPECTION IN ORDER TO BE RELEASED FROM MAINTENANCE. CONTRACTOR'S BOND WILL NOT BE RELEASED UNTIL AFTER CITY'S ISSUANCE OF WRITTEN NOTIFICATION THAT THE PROJECT HAS PASSED FINAL INSPECTION AND THE PUBLIC WORKS DEPARTMENT IS ASSUMING MAINTENANCE RESPONSIBILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO ACCEPTABLY MAINTAIN ALL PLANTINGS FOR A MINIMUM OF 1 YEAR AS SPECIFIED IN THE BID DOCUMENTS.
- CONTRACTOR SHALL KEEP EXISTING IRRIGATION SYSTEMS OPERATIONAL AND SHALL BE RESPONSIBLE FOR REPLACING ANY DEAD PLANTS AND TREES AT THE CONTRACTOR'S EXPENSE.
- RECYCLED WATER PIPE SHALL BE PURPLE COLOR CODED INTEGRALLY STAMPED OR MARKED AS "CAUTION-RECYCLED WATER-DO NOT DRINK" AND "PELIGRO: AQUA IMPURA-NO BEBER" OR USE VINYL WRAP OR USE RECYCLED WATER WARNING TAPE.

TECHNICAL SPECIFICATIONS:
CONTRACTOR SHALL REFERENCE CITY OF RIVERSIDE TECHNICAL SPECIFICATIONS SECTION 02441-IRRIGATION & SECTION 02483-PUBLIC LANDSCAPE PLANTING FOR ADDITIONAL GUIDANCE.

BENCHMARK E2-B2
ELEVATION: 716.156
B.M. TRANSFER - SET PK AND CITY SURVEYOR TAG IN TC AT ECR OF NORTHEAST CURB RETURN OF PIERCE STREET AND COLLETT AVENUE

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TWO WORKING DAYS BEFORE YOU DIG

ENGINEER IN RESPONSIBLE CHARGE
Edward Jan
Name: Edward Jan
R.C.E. No. 63753 EXPIRES: 9-30-14
DATE: December 6, 2013

MARK	REVISIONS	APPR.	DATE

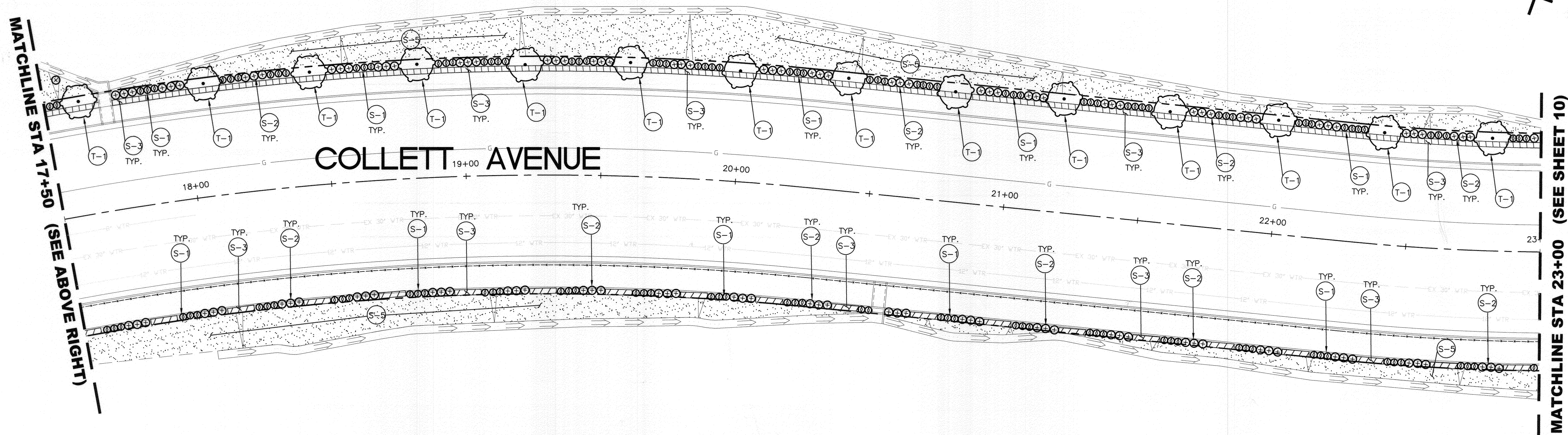
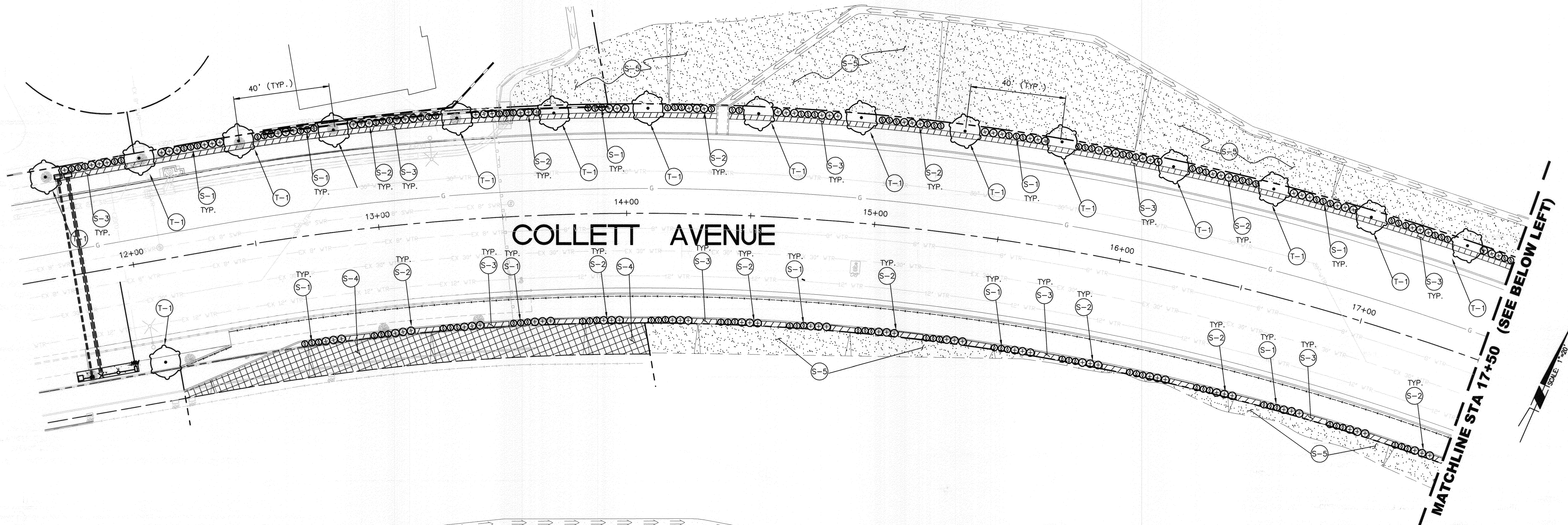
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	F.M.	12/9/13	Edward Jan
CONSTRUCTION ADMIN.	D.C.	12/9/13	CITY ENGINEER
TRAFFIC DIVISION	K.H.	12-9-13	
LANDSCAPE DIVISION	J.S.	12/10/13	
SURVEYOR		12/6/13	

DESIGNED BY CS DRAWN BY CS CHECKED BY EL

STREET IMPROVEMENTS
COLLETT AVENUE FROM BUCHANAN STREET TO PIERCE STREET
LANDSCAPE, IRRIGATION, DETAILS & NOTES
HORIZ. SCALE: N/A VERT. SCALE: N/A

DESIGN WORK ORDER NO: 0903325
CONSTR. WORK ORDER NO: 1410170
R-4261
SHEET 8 OF 10
FILE NAME: R4261-08

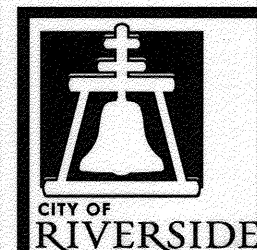


BENCHMARK E2-B2

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 B.M. TRANSFER - SET PK AND CITY SURVEYOR
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 RETURN OF PIERCE STREET AND COLLETT
 AVENUE

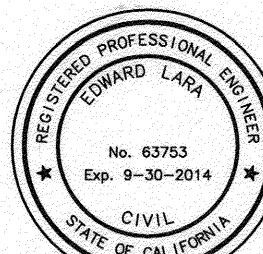


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ENGINEER IN
 RESPONSIBLE CHARGE

Name
Edward Lee
 R.C.E. No. 63753 EXPIRES 9-30-14
 DATE *December 6, 2013*



MARK REVISIONS APPR. DATE
 DESIGNED BY CS DRAWN BY CS CHECKED BY EL

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY	DATE
ENGINEERING MANAGER	<i>F.M.</i>	<i>12/9/13</i>	CITY ENGINEER	<i>12/10/13</i>
CONSTRUCTION ADMIN.	<i>DC</i>	<i>12/9/13</i>		
TRAFFIC DIVISION	<i>KL</i>	<i>12-9-13</i>		
LANDSCAPE DIVISION	<i>KL</i>	<i>12/10/13</i>		
SURVEYOR	<i>KL</i>	<i>12/10/13</i>		

STREET IMPROVEMENTS

COLLETT AVENUE
 FROM BUCHANAN STREET
 TO PIERCE STREET

PLANTING PLAN

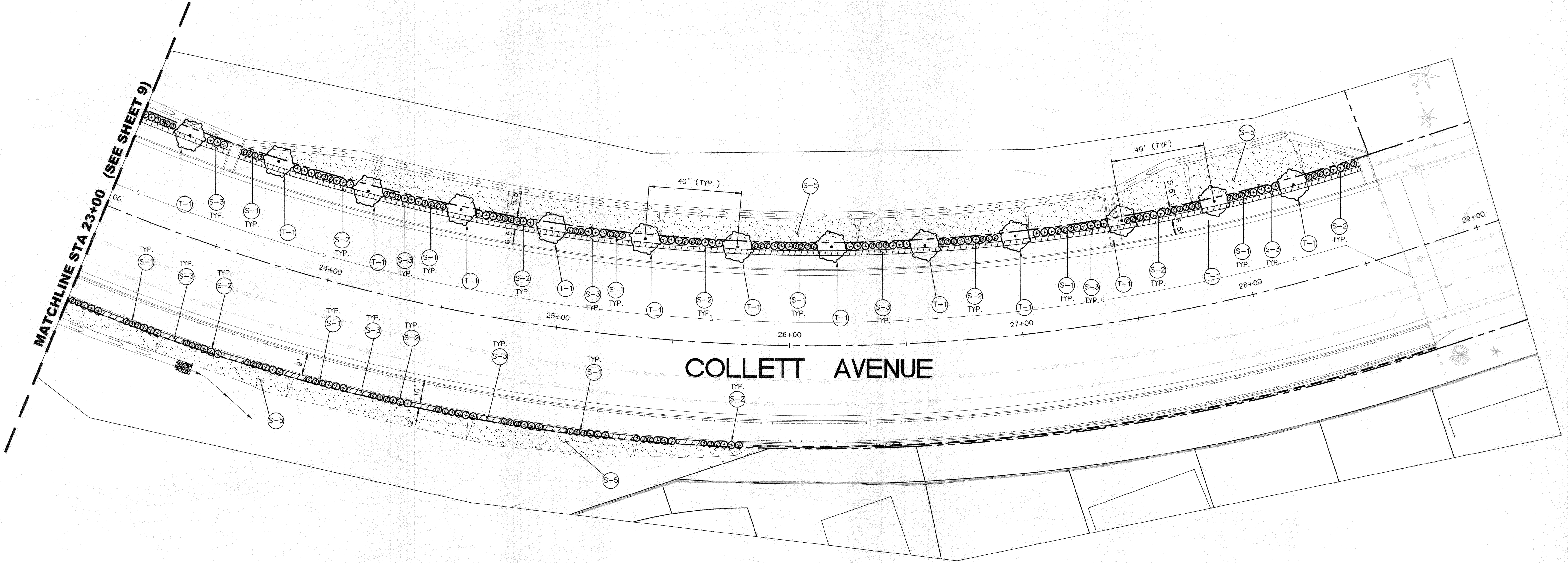
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DESIGN WORK ORDER NO.: 0903325
 CONSTR. WORK ORDER NO.: 1410170

R-4261

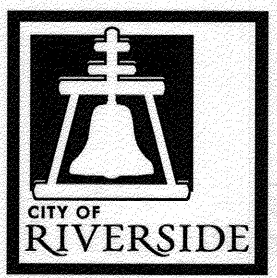
SHEET 9 OF 10

FILE NAME: R4242-09

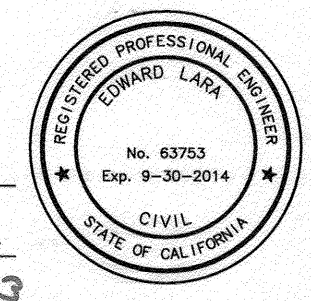


COLLETT AVENUE

BENCHMARK E2-B2
 ELEVATION: 716.156
 B.M. TRANSFER - SET PK AND CITY SURVEYOR
 TAG IN TC AT ECR OF NORTHEAST CURB
 RETURN OF PIERCE STREET AND COLLETT AVENUE



ENGINEER IN RESPONSIBLE CHARGE
Edward Lee
 Name
 R.C.E. No. 63753 EXPIRES: 9-30-14
 DATE: December 6, 2013



MARK	REVISIONS	APPR.	DATE

**CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS**

APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	F.M.	12/9/13	<i>Alan Esd</i>
CONSTRUCTION ADMIN.	DC	12/10/13	CITY ENGINEER
TRAFFIC DIVISION		12-9-13	
LANDSCAPE DIVISION		12/10/13	
SURVEYOR			

DATE: 12/11/2013

STREET IMPROVEMENTS
**COLLETT AVENUE
 FROM BUCHANAN STREET
 TO PIERCE STREET**

PLANTING PLAN
 HORIZ. SCALE: 1"=20' VERT. SCALE: N/A

DESIGN WORK ORDER NO.: 0903325
 CONSTR. WORK ORDER NO.: 1410170

R-4261
 SHEET **10** OF **10**
 FILE NAME: R4242-10