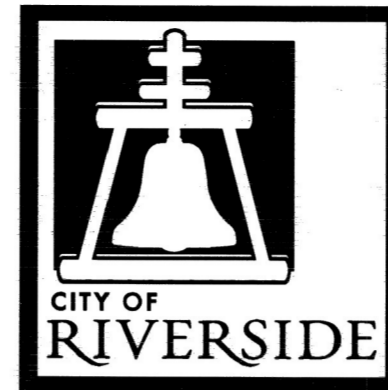


CONSTRUCTION NOTES:

- NUMBERS ABOVE 100 INDICATED WITHIN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE PUBLIC WORKS STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY. ANY NOTE SHOWN BELOW THE STANDARD DRAWING NUMBER WITHIN THE HEXAGON INDICATES THE SPECIFIC TYPE, ACTION, OR MODIFICATION TO BE CONSTRUCTED IN RELATION TO THE ASSOCIATED DETAIL IN AREAS OF NEW CONSTRUCTION. THE ITEM TO BE CONSTRUCTED SHALL BE COMPLETED EXACTLY AS INDICATED. IN AREAS OF MAINTENANCE IMPROVEMENTS, THE ITEM SHALL BE REMOVED AND RECONSTRUCTED IN KIND AND THE DIMENSIONS SHALL BE MODIFIED AS NECESSARY TO MATCH THE EXISTING DIMENSIONS OF THE EXISTING FACILITY, WITH THE EXCEPTION THAT ALL ADA REQUIREMENTS SHALL BE ADHERED TO.
- ADJUST TO GRADE, DESCRIPTION PER PLAN: (MH) MANHOLE, (GV) GATE VALVE, (WM) WATER METER, (PB) PULLBOX, (CO) CLEAN OUT, (VLT) VAULT.
- PROTECT IN PLACE, DESCRIPTION PER PLAN: (CRB) CURB, (C&G) CURB & GUTTER, (FH) FIRE HYDRANT, (GV) GATE VALVE, (WM) WATER METER, (PB) PULLBOX, (SL) STREET LIGHT, (PP) POWER POLE, (GW) GUY WIRE, (SD) STORM DRAIN, (SGN) SIGN, (SP) STANDPIPE, (PP) POWER POLE, (IRR) IRRIGATION LINE AND/OR APPURTENANCE, (TREE) TREE.
- REMOVE EXISTING AND REPLACE, WITH NEW, BEHIND PROPOSED SIDEWALK AND OUT OF PEDESTRIAN PATHWAY: (SGN) SIGN.
- REMOVE EXISTING IMPROVEMENTS, DESCRIPTION PER PLAN: (SGN) SIGN, (CL) CHAIN LINK FENCE, (C&G) CURB & GUTTER, (IRR) IRRIGATION LINE AND/OR APPURTENANCE, (SDWK) SIDEWALK, (TREE) TREE, (SD) STORM DRAIN & INLETS, (CB) CATCH BASIN, (VLT) 8'x4' CONCRETE STORM DRAIN VAULT.
- REMOVE ALL EXISTING IMPROVEMENTS TO A DEPTH NECESSARY TO COMPACT SUBGRADE AND CONSTRUCT ALL PROPOSED IMPROVEMENTS WITHIN THE LIMITS INDICATED ON THE PLANS.
- CONTRACTOR SHALL SCHEDULE AND COORDINATE TELEPHONE FACILITY TO BE RELOCATED OR ADJUSTED TO GRADE BY AT&T.
- REFERENCE TRAFFIC SIGNAL PLANS FOR DISPOSITION OF SIGNAL POLE AND RELATED APPURTENANCES.
- CONTRACTOR SHALL SCHEDULE AND COORDINATE WATER AIR-VALVE, BLOW-OFF, AND IRRIGATION SERVICE & GATE VALVE TO BE EXTENDED AND/OR OFFSET BEHIND CURB IF NEEDED BY RIVERSIDE PUBLIC UTILITIES DEPARTMENT, WATER DIVISION.
- CONTRACTOR SHALL SCHEDULE AND COORDINATE FIRE HYDRANT TO BE EXTENDED BEHIND CURB BY RIVERSIDE PUBLIC UTILITIES DEPARTMENT, WATER DIVISION.
- PROPOSED STREET LIGHTS AND FACILITIES TO BE INSTALLED BY RIVERSIDE PUBLIC UTILITIES DEPARTMENT, ELECTRIC DIVISION, AND PER RPU-ELECTRIC DIVISION PLAN NO. 160002-51.
- EXISTING POWER POLE/STREET LIGHT TO BE REMOVED BY RIVERSIDE PUBLIC UTILITIES DEPARTMENT, ELECTRIC DIVISION, AND PER RPU-ELECTRIC DIVISION PLAN NO. 160002-51.
- FURNISH AND INSTALL METAL HANDRAIL BARRIER PER SPPWC STANDARD NO. 606-3 TYPE A.
- 0.12' MIN. DEPTH LINEAR COLD MILL OF EXISTING AC PAVEMENT OR 0.15' MIN. DEPTH WHEN USED IN CONJUNCTION WITH ARAM TREATMENT. (---) = WIDTH OF LINEAR COLD MILL AS INDICATED ON PLANS.
- VARIABLE AREA COLD MILL OF EXISTING AC PAVEMENT. (VAR) = VARIABLE DEPTH PROFILE GRIND, MINIMUM OF 0.12', TO PROVIDE SMOOTH TRANSITIONS TO MATCH EXISTING AC PAVEMENT SURFACE.
- CONSTRUCT ASPHALT RUBBER AND AGGREGATE MEMBRANE.
- OVERLAY ARHM PAVEMENT, REPLACEMENT DEPTH SHALL MATCH AC THICKNESS TO BE REMOVED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL SUPPLY AND INSTALL REDWOOD HEADER WHERE NECESSARY OR AS INSTRUCTED BY THE ENGINEER.
- CONSTRUCT 1.5" ARHM PAVEMENT CAP OVER 4.5" DGAC PAVEMENT OVER 12" COMPACTED AGGREGATE BASE MATERIAL.
- CONSTRUCT HARDSCAPE AND INSTALL LANDSCAPE AS SHOWN ON SHEETS LP 1-X AND LC 1-X AND AS DESCRIBED IN SPECIAL PROVISIONS. CONTRACTOR TO DESIGN, FURNISH AND INSTALL A NEW DRIP IRRIGATION SYSTEM FOR ALL NEW MEDIANS AND 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.
- CONSTRUCT CURB PER CITY STD 200 WITH THE FOLLOWING MODIFICATION (XX):
 ((6)) = CONSTRUCT TYPE I 6" CURB AND GUTTER.
 ((8)) = CONSTRUCT TYPE II 8" CURB AND GUTTER.
 (I) = CONSTRUCT TYPE II CURB ONLY.
- CONSTRUCT CURB CUT PER DETAIL ON SHEET 5. THE CONCRETE CHANNEL AND ADJOINING CURB & GUTTER SHALL BE POURED MONOLITHIC.
- CONSTRUCT ASPHALT CONCRETE BERM PER CITY STD 250 WITH THE FOLLOWING TYPE AND MODIFICATION:
 (I) = TYPE I TRAPEZOIDAL WITH 4 INCH THICK ASPHALT CONCRETE SPANDREL OVER COMPACTED NATIVE SOIL. SEE SHEET 7 PLAN AND AC BERM DETAIL.
- CONSTRUCT DRIVEWAY PER CITY STD 302 WITH THE FOLLOWING MODIFICATION (XX):
 • PL1 = TYPE PL1; PL2 = TYPE PL2;
 • C1 = TYPE CURB-I; C2 = TYPE CURB-II;
 (M1) = RECONSTRUCT MODIFIED COMMERCIAL DRIVEWAY TO ALIGN WITH PROPOSED STREET WIDENING AND MATCH EXISTING TYPE, CURB RETURN DIMENSIONS, AND GRADE. PROTECT IN PLACE SURROUNDING EXISTING UTILITY APPURTENANCES, LANDSCAPE FEATURES AND HARDSCAPE FEATURES. REPLACE, IN-KIND, STAMPED CONCRETE APPROACH DAMAGED OR REMOVED DURING CONSTRUCTION.
- CONSTRUCT PEDESTRIAN RAMP PER CITY STD 304 WITH THE FOLLOWING TYPE:
 (VI) = TYPE I, (II) = TYPE II, (II-A) = TYPE II-A, (III) = TYPE III, (IV) = TYPE IV, (V) = TYPE V, (VI) = TYPE VI.
 (VII) = CONSTRUCT TYPE VII RAMP PER DETAIL LOCATED IN PART 10 OF THE SPECIAL PROVISIONS.
 (M1) = CONSTRUCT TYPE II-A RAMP AND REMOVE WINGS AND ADD RETAINING CURBS.
 (M2) = CONSTRUCT MODIFIED BICYCLE ACCESS RAMP PER DETAIL ON SHEET 06.
- CONSTRUCT SIDEWALK PER CITY STD 325 WITH THE FOLLOWING MODIFICATION (XX):
 (PL) = PROPERTY LINE SIDEWALK
 (M1) = CONSTRUCT PROPERTY LINE SIDEWALK WITH THICKNESS OF 6".
- FURNISH AND INSTALL CHAIN LINK FENCE PER CITY STD 380, 72" HIGH WITH 3-WIRE ARM & CAP.
- FURNISH AND INSTALL CHAIN LINK FENCE GATE PER CITY STD 380, GATE PANEL LENGTH PER PLAN.
- IRRIGATION STRUCTURE NO. 1: INSTALL 12" STANDPIPE, CAPPED WITH CONCRETE PIPE PLUG AND MORTAR SEALED WITH 1" WEEP HOLES (WEEP HOLES: 6 PER STANDPIPE, ±8" ABOVE FINISHED GRADE, EACH SHALL HAVE SHUT OFF GATES). SEE DETAIL ON SHEET 8 FOR GENERAL DESIGN LAYOUT.
- IRRIGATION STRUCTURE NO. 2: INSTALL 12" PRESSURE-HEAD STANDPIPE. SEE DETAIL ON SHEET 8 FOR GENERAL DESIGN LAYOUT. HEIGHT OF SLIDE GATE/WEIR AND OVERALL HEIGHT SHALL MATCH EXISTING STANDPIPE THAT IS TO BE REPLACED. INSTALL 1" WEEP HOLES (WEEP HOLES: 6 PER STANDPIPE, ±8" ABOVE FINISHED GRADE, EACH SHALL HAVE SHUT OFF GATES).
- IRRIGATION STRUCTURE NO. 3: INSTALL 24" RESERVOIR STANDPIPE. SEE DETAIL ON SHEET 8 FOR GENERAL DESIGN LAYOUT. CONSTRUCT SLIDE GATE/WEIR WHEN APPLICABLE, CONNECTING RESERVOIR TO STRUCTURE NO. 2 STANDPIPE. HEIGHTS MATCH STRUCTURE NO. 2 AND THE EXISTING STRUCTURE THAT IS TO BE REPLACED. SELECTED SLIDE GATE/WEIR SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL.
- FURNISH AND INSTALL IRRIGATION LINE 12 INCH GATE VALVE FOR CONNECTING TO CONCRETE PIPE. FRESNO VALVE, SERIES 4000 - MODEL 40A LINE GATE VALVE, OR APPROVED EQUAL.
- GRADE ACCESS ROAD AND SLOPE TO MATCH EXISTING SURFACE AND PROPOSED STREET IMPROVEMENT LIMITS. SLOPES SHALL BE MAX 2:1, MIN 2%, SLOPES. ACCESS ROAD SHALL BE COMPACTED TO A MINIMUM 90% RELATIVE COMPACTION.
- GRADE ACCESS ROAD TO CONNECT TO EXISTING TEE INTERSECTION. GRADING LIMITS SHALL BE A MAX 2:1, MIN 2%, SLOPES AT LIMITS. EARTHEN DITCH SHALL BE FILLED AS NEEDED TO ACCOMMODATE THE TEE INTERSECTION. ACCESS ROAD SHALL BE COMPACTED TO A MINIMUM 90% RELATIVE COMPACTION.
- CONNECT TO EXISTING IRRIGATION SYSTEM. CUT EXISTING LINE BEFORE OR AFTER THE NEAREST TEE/APPURTENANCE AND JOIN, USING CITY STD 424.
- REMOVE AND DISPOSE OF EXISTING IRRIGATION LINE, STANDPIPE, AND GATE VALVE. EXISTING LINE MAY BE ABANDONED, BASED ON ENGINEER'S DISCRETION. IF ABANDONMENT IS UTILIZED, STANDPIPE AND GATE VALVE SHALL BE REMOVED OR GROUND DOWN A MINIMUM 24 INCHES BELOW GRADE AND LINE SHALL BE SLURRY FILLED PER SPECIFICATIONS.
- FURNISH AND INSTALL 12 INCH DIAMETER RCP FOR IRRIGATION WATER SERVICE. CONSTRUCT PIPE BEDDING PER CITY STD 452, CASE I.

RIVERSIDE CALIFORNIA



PUBLIC WORKS DEPARTMENT IOWA AVENUE IMPROVEMENTS

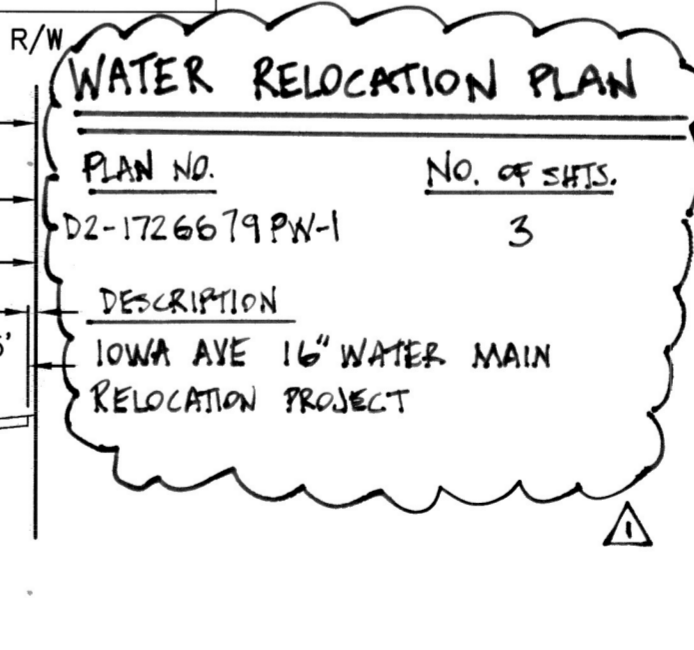
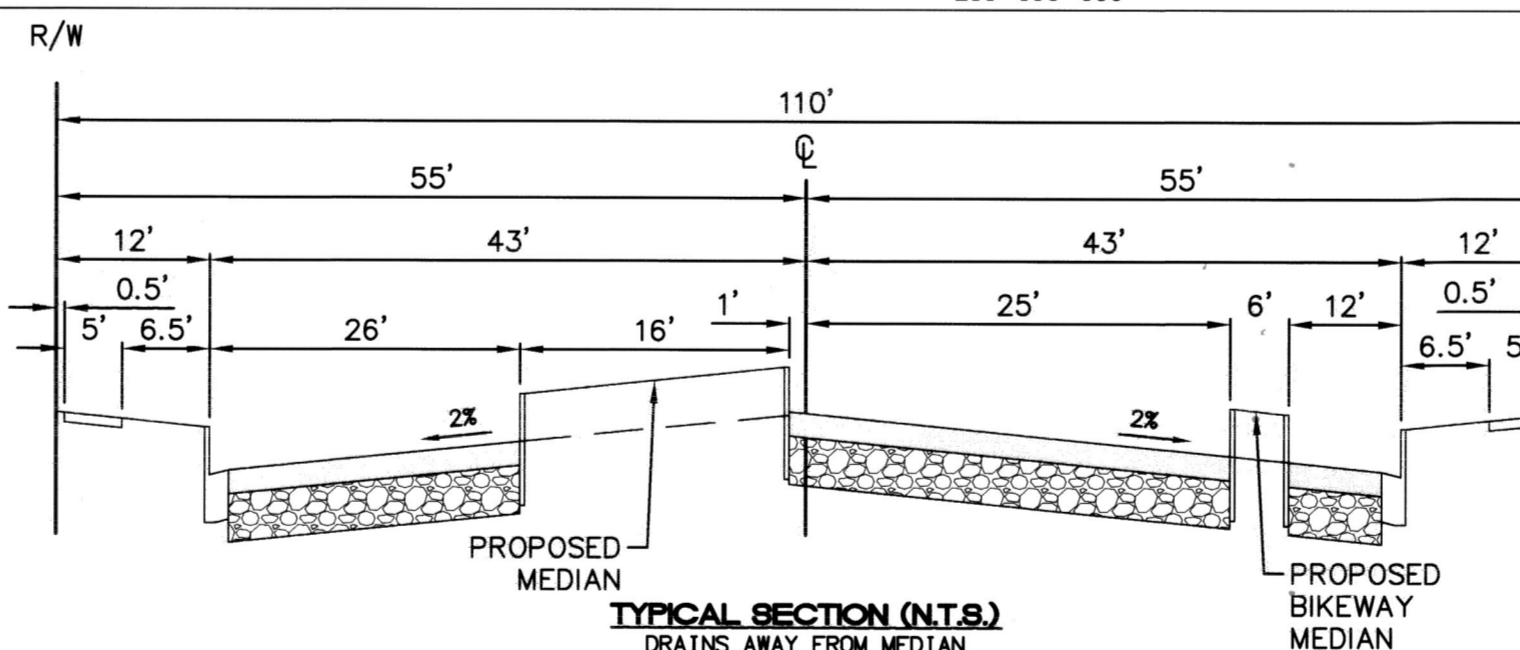
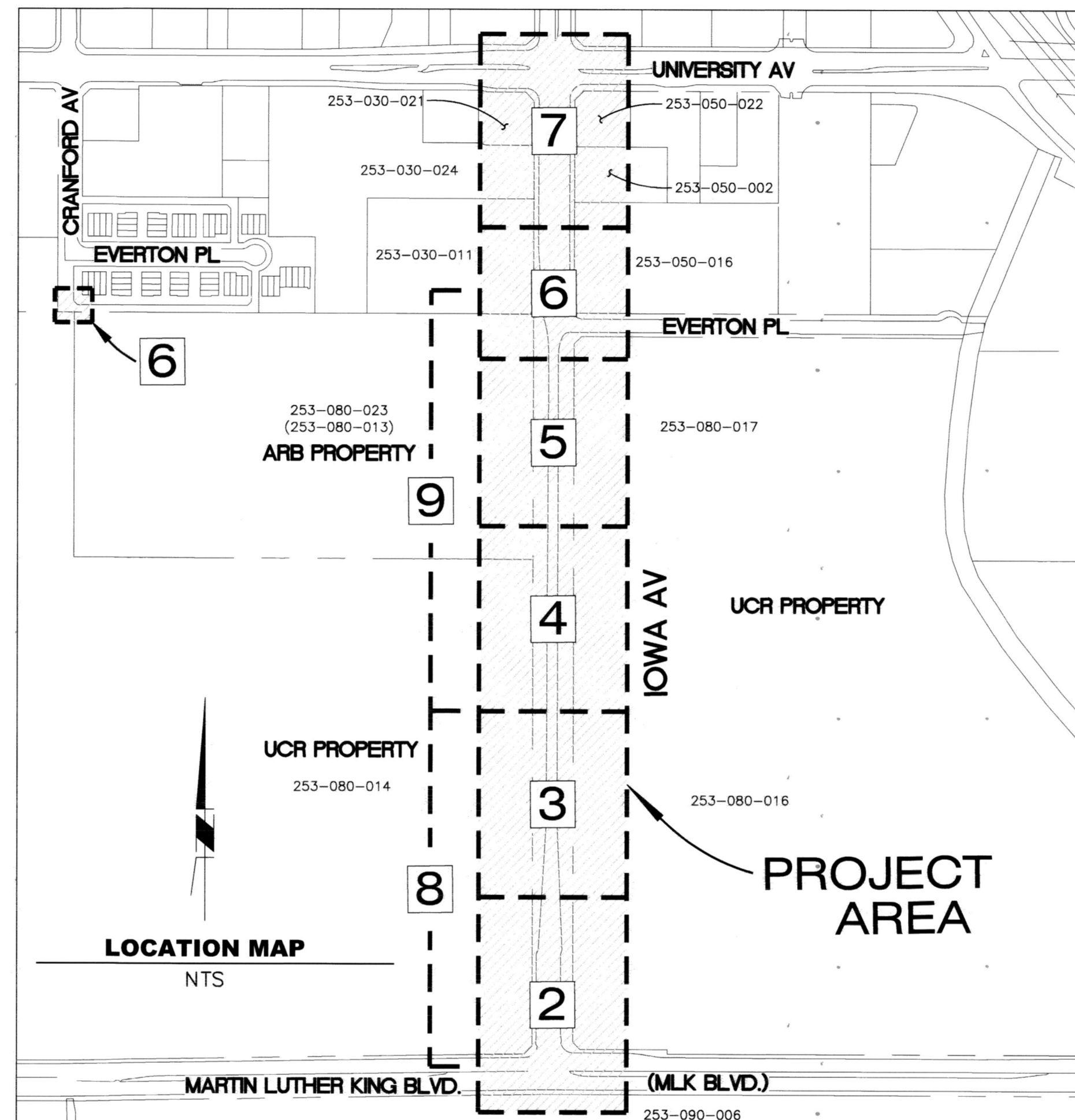
(FROM MARTIN LUTHER KING BLVD. TO UNIVERSITY AVENUE)

LEGEND:

	CM1 + AC TREATMENT AS INDICATED		ARAM + AC TREATMENT AS INDICATED
	CM2 + AC TREATMENT AS INDICATED		PROPOSED PCC
	PROPOSED AC PAVEMENT		CONSTRUCT STRUCTURAL PAVEMENT SECTION AS INDICATED.

GENERAL CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC AS INDICATED IN THE ASSOCIATED PROJECT SPECIAL PROVISIONS.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.
- 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 WHETHER OR NOT SHOWN ON THIS PLAN. MH'S AND 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.
- ALL STREET PULL BOXES, AFFECTED BY CONSTRUCTION, SHALL BE ADJUSTED TO THE PROPOSED GRADE.
- PRIME CONTRACTOR BIDDING THIS WORK SHALL HAVE A CLASS "A" OR "C-12".
- THE SEAM BETWEEN PASSES OF THE AC OVERLAY SHALL COINCIDE, AS CLOSE AS POSSIBLE, TO THE LANE LINES.
- COLD MILLING SHALL BE AS DESCRIBED ON THE PLANS AND SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER. ALL COLD MILLING SHALL TAKE PLACE PRIOR TO PAVEMENT REMOVAL AND REPLACEMENT.
- 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.
- CONTRACTOR SHALL REMOVE ALL VEGETATION AND CLEAR ALL DIRT WITHIN ALL SIDEWALK PANELS AND TREE WELLS WITHIN THE PROJECT LIMITS.
- ALL EXISTING IMPROVEMENTS SHOWN HEREON SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
- EXISTING IRRIGATION SHALL BE PROTECTED OR MODIFIED AS NECESSARY TO CONSTRUCT NEW CONCRETE IMPROVEMENTS.
- SEE STRIPING & TRAFFIC SIGNAL PLANS FOR REMOVAL, REPLACEMENT, AND RELOCATION OF EXISTING SIGNING, STRIPING, LOOPS, AND TRAFFIC EQUIPMENT.
- ADEQUATE FLOW LINES SHALL BE MAINTAINED AT ALL LOCATIONS.
- 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.



EXISTING TOPOGRAPHY:

- ⊙ SANITARY SEWER M.H.
- ⊙ STORM DRAIN M.H.
- ⊙ ELECTRIC M.H.
- ⊙ WATER M.H.
- ⊙ TELEPHONE M.H.
- ⊙ GATE VALVE
- ⊙ FIRE HYDRANT
- ⊙ BLOW-OFF VALVE
- ⊙ WATER METER
- ⊙ STREET LIGHT
- ⊙ TRAFFIC SIGN
- ⊙ CATCH BASIN
- ⊙ POWER POLE
- ⊙ GUY ANCHOR
- ⊙ ELEC TEST STA
- ⊙ PALM TREE
- ⊙ MISC. TREE
- ⊙ EDGE OF PAVEMENT

STREET IMPROVEMENT PLANS (R-4409)

SHEET NO.	DESCRIPTION
1	TITLE SHEET AND NOTES
2	MLK BLVD. TO STA. 15+00
3	STA. 15+00 TO STA. 20+00
4	STA. 20+00 TO STA. 25+00
5	STA. 25+00 TO STA. 29+50
6	STA. 29+50 TO STA. 32+42
7	STA. 32+42 TO UNIVERSITY AVE AND INTERSECTION DETAILS
8	UCR GRADING AND IRRIGATION - MLK BLVD. TO ST. STA. 20+00
9	UCR GRADING AND IRRIGATION - ST. STA. 20+00 TO EVERTON PL.

STREET CROSS SECTIONS (R-4409XS)

PLAN NO.	NO. OF SHEETS	DESCRIPTION
R-4409XS	7	IOWA AVE. - MLK BLVD. TO UNIVERSITY AVE.

LANDSCAPE IMPROVEMENT PLANS (R-4409L)

PLAN NO.	NO. OF SHEETS	DESCRIPTION
R-4409L	5	IOWA AVE. LANDSCAPE AND HARDSCAPE LAYOUT

STORM DRAIN IMPROVEMENT PLANS (D-904)

PLAN NO.	NO. OF SHEETS	DESCRIPTION
D-904	4	STORM DRAIN PLAN AND PROFILE IOWA AVENUE

TRAFFIC PLAN INDEX

PLAN NO.	NO. OF SHEETS	DESCRIPTION
X-491A	1	TRAFFIC SIGNAL PLAN: IOWA AVE. AT MLK BLVD.
X-570	1	TRAFFIC SIGNAL PLAN: IOWA AVE. AT EVERTON PLACE
XL-788	2	SIGNING & STRIPING PLAN: IOWA AVE. - MLK BLVD. TO UNIVERSITY AVE.

ELECTRICAL & STREET LIGHT PLAN (160002-51)

PLAN NO.	NO. OF SHEETS	DESCRIPTION
160002-51	8	OVERHEAD TO UNDERGROUND CONVERSION FOR IOWA AVENUE STREET WIDENING.

Construct 4.5" Diatc over 6" Compacted Aggregate Base Material

BENCHMARK 18-H3

ELEVATION: 1000.223
 DATUM: (NGVD 1929)
 P.K. NAIL AND CITY ENGINEER TAG IN THE TOP OF CURB, 2 FEET NORTHERLY OF THE NORTHEAST CURB RETURN AT IOWA AVENUE AND EVERTON PLACE.

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 Lara
 R.C.E. No. 63753 EXPIRES: 9-30-20
 DATE: November 19, 2019

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature]	BY: [Signature]	DATE: 12/12/19
CONSTRUCTION ADMIN. [Signature]	TRAFFIC DIVISION [Signature]	DATE: 12/12/19

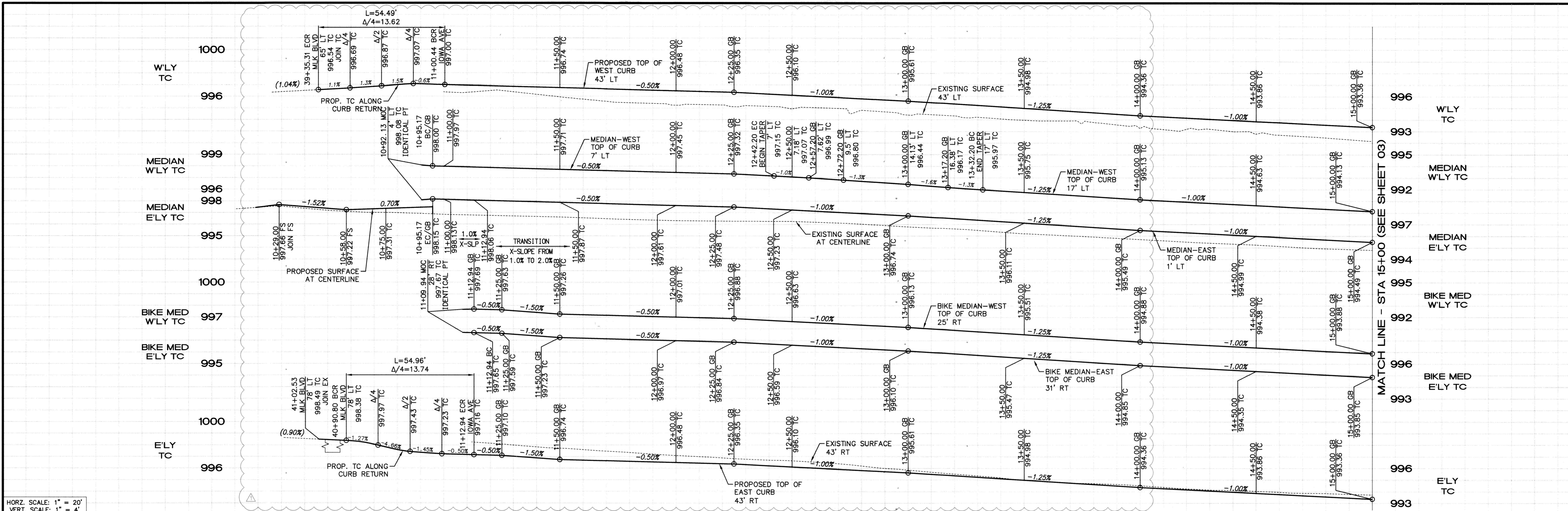
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STREET IMPROVEMENT IOWA AVENUE WIDENING FROM MLK BLVD TO UNIVERSITY AVE

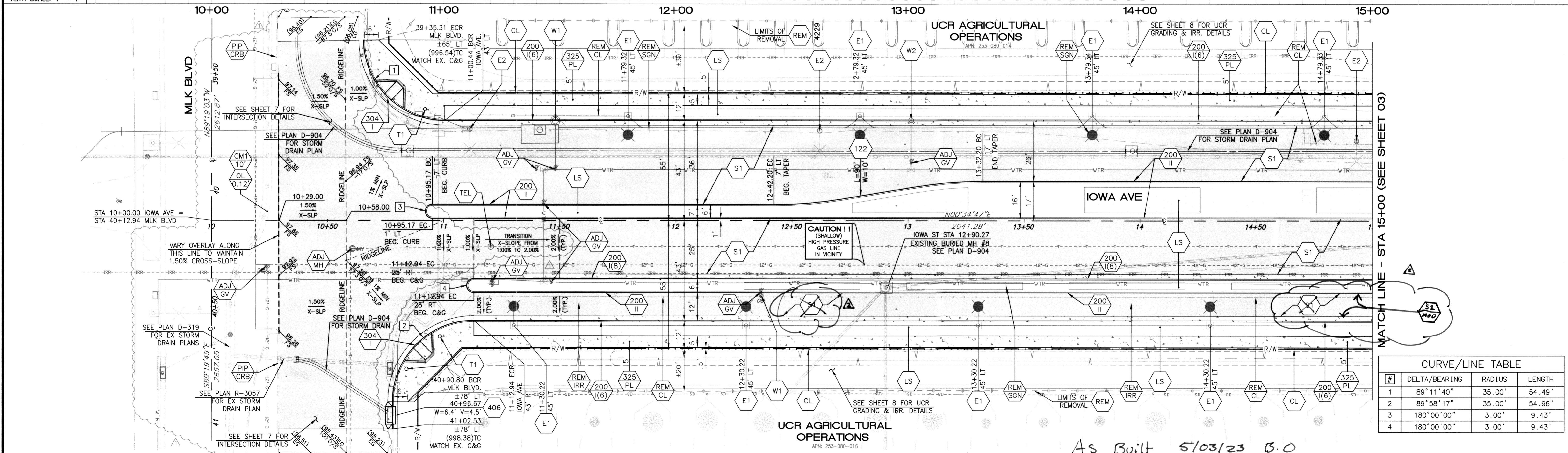
TITLE SHEET AND NOTES

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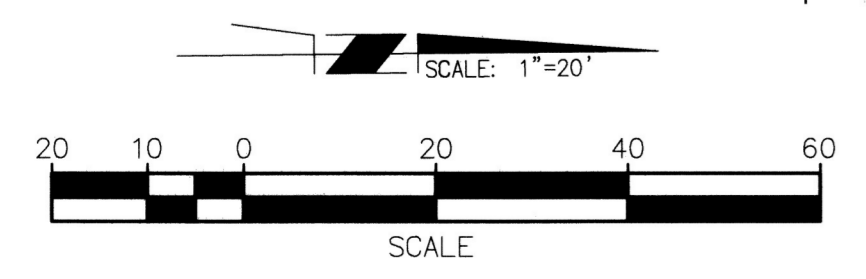
R-4409
 SHEET 01 OF 09
 FILE NAME: R4409-01.DWG



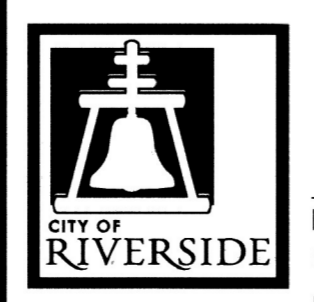
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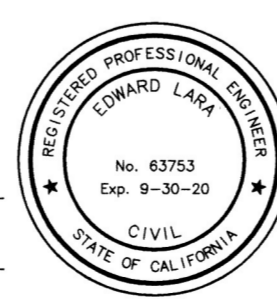
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2	89° 58' 17"	35.00'	54.96'
3	180° 00' 00"	3.00'	9.43'
4	180° 00' 00"	3.00'	9.43'



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TWO WORKING DAYS BEFORE YOU DIG



ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
Edward Lara
R.C.E. No. 63753 EXPIRES: 9-30-20
DATE: September 3, 2020



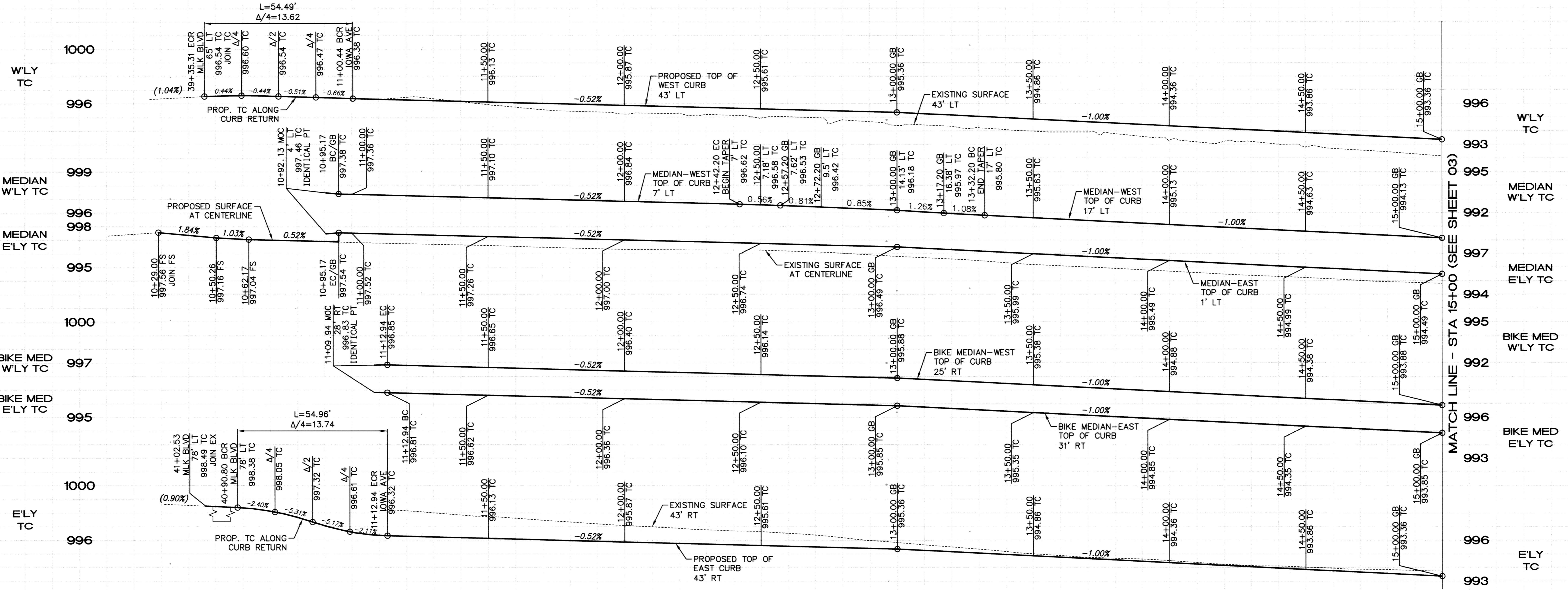
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S1 Mod
PROFILE RAISED FROM 10+00 TO 14+00. PROFILE LABELS UPDATED: X-SLOPE & INTERSEC. LABELLED

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature]
ENGINEERING MANAGER
CONSTRUCTION ADMIN. DC
TRAFFIC DIVISION
SURVEY
STREETS

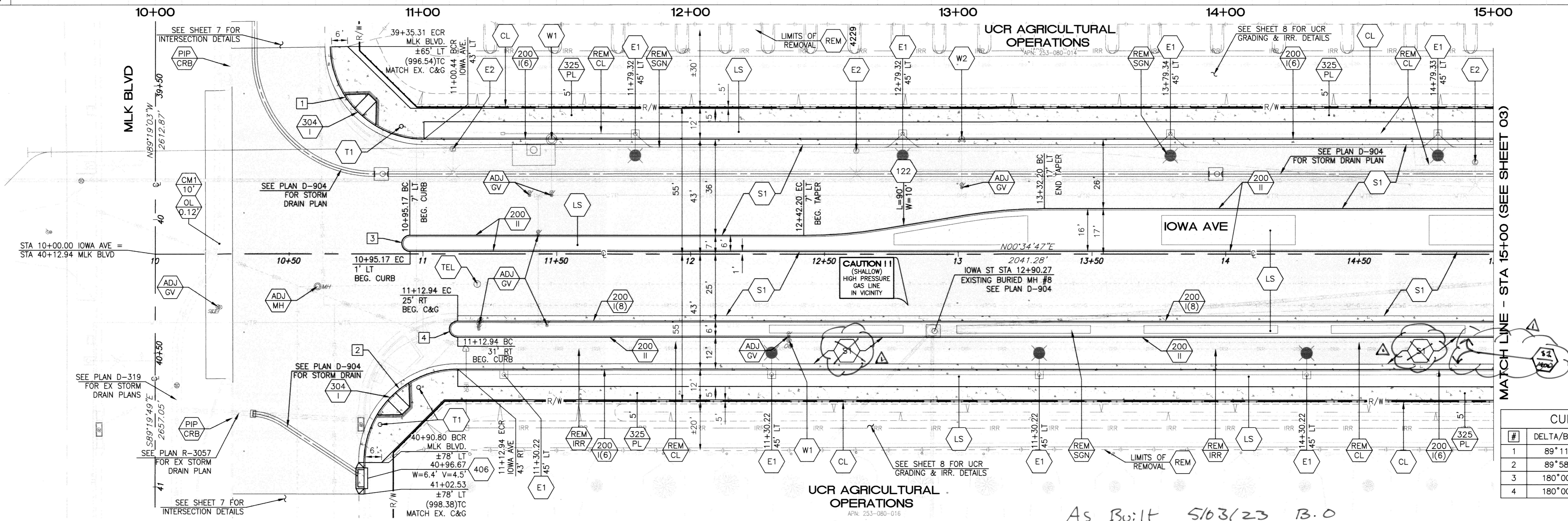
STREET IMPROVEMENT
IOWA AVENUE WIDENING FROM MLK BLVD TO UNIVERSITY AVE
MLK BLVD TO STA 15+00

DESIGN WORK ORDER NO.: 1906545
CONSTR. WORK ORDER NO.: 1906546
R-4409
SHEET 02 OF 09
FILE NAME: R4409-02.DWG

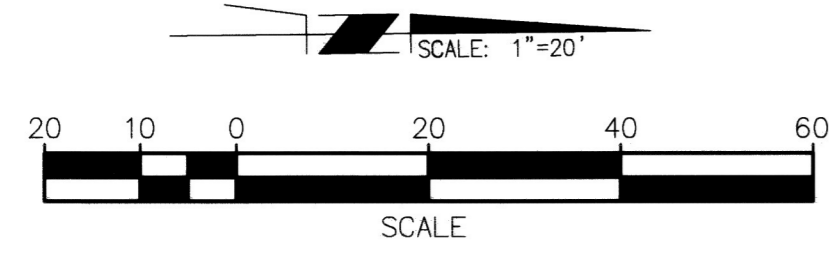
As Built 5/03/23 B.O.



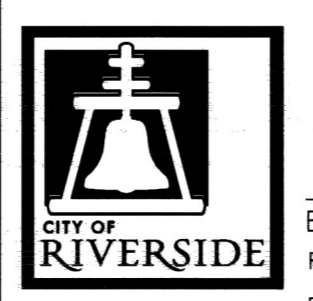
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'



CURVE/LINE TABLE			
#	DELTA/BEARING	RADIUS	LENGTH
1	89°11'40"	35.00'	54.49'
2	89°58'17"	35.00'	54.96'
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Under Ground Service Alert
Call: TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG



ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
R.C.E. No. 63753 EXPIRES: 9-30-20
DATE: November 19, 2019

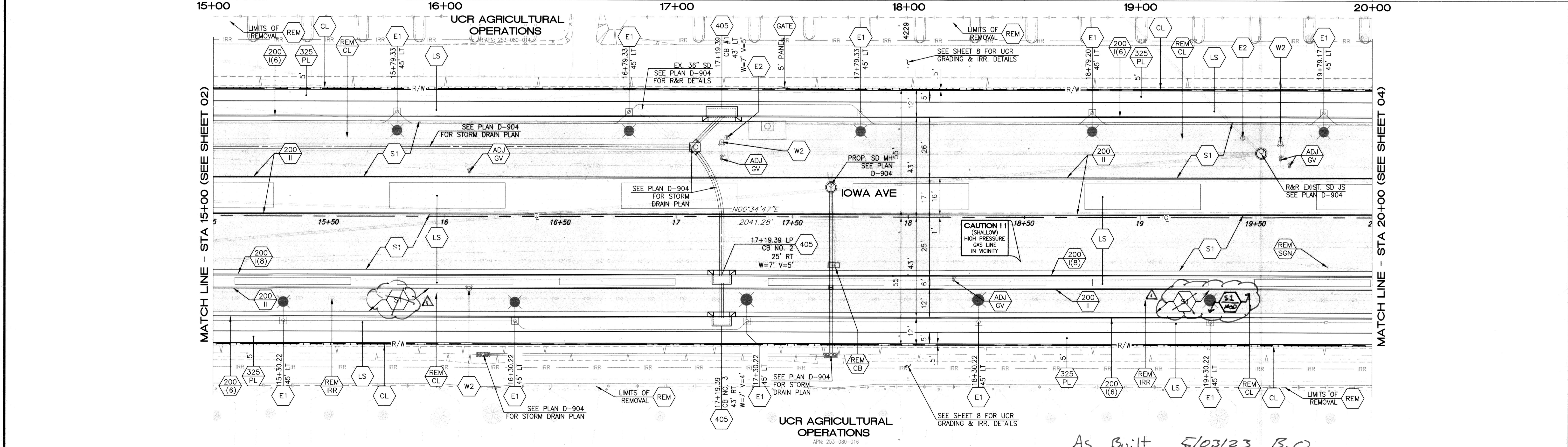
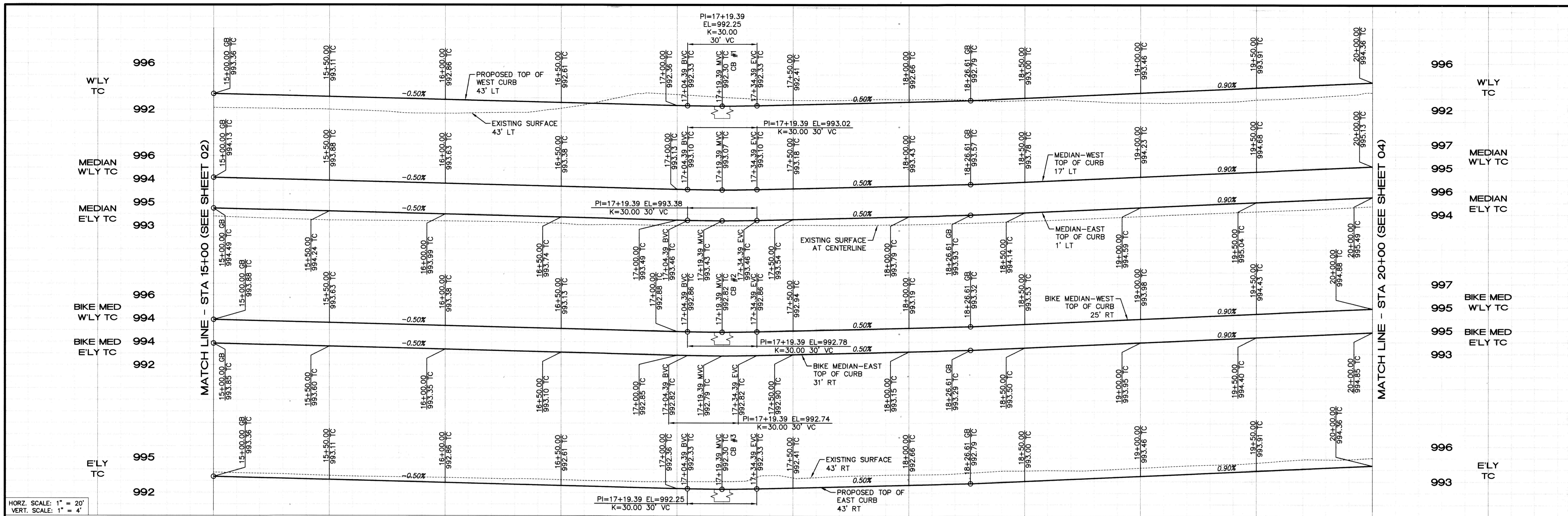
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CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature]
CONSTRUCTION ADMIN. [Signature]
TRAFFIC DIVISION [Signature]
SURVEY [Signature]
STREETS [Signature]

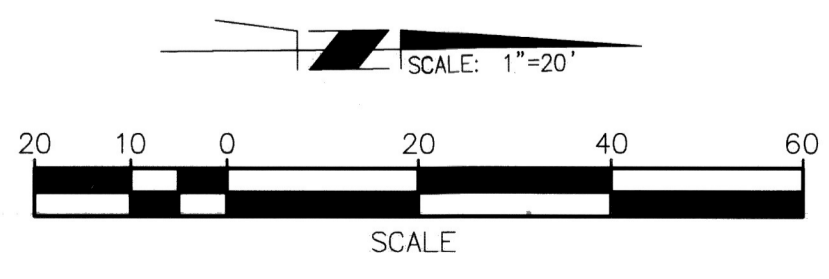
STREET IMPROVEMENT
IOWA AVENUE WIDENING
FROM MLK BLVD
TO UNIVERSITY AVE
MLK BLVD TO STA 15+00

DESIGN WORK ORDER NO.: 1906545
CONSTR. WORK ORDER NO.: 1906546
R-4409
SHEET 02 OF 09
FILE NAME: R4409-02.DWG

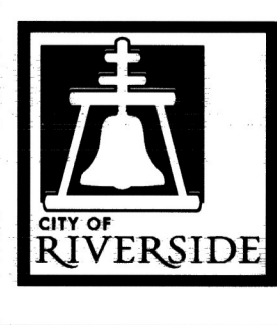
As Built 5/6/23 B.O



HORIZ. SCALE: 1" = 20'
 VERT. SCALE: 1" = 4'



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 Lara
 R.C.E. No. 63753 EXPIRES: 9-30-20
 DATE November 19, 2019



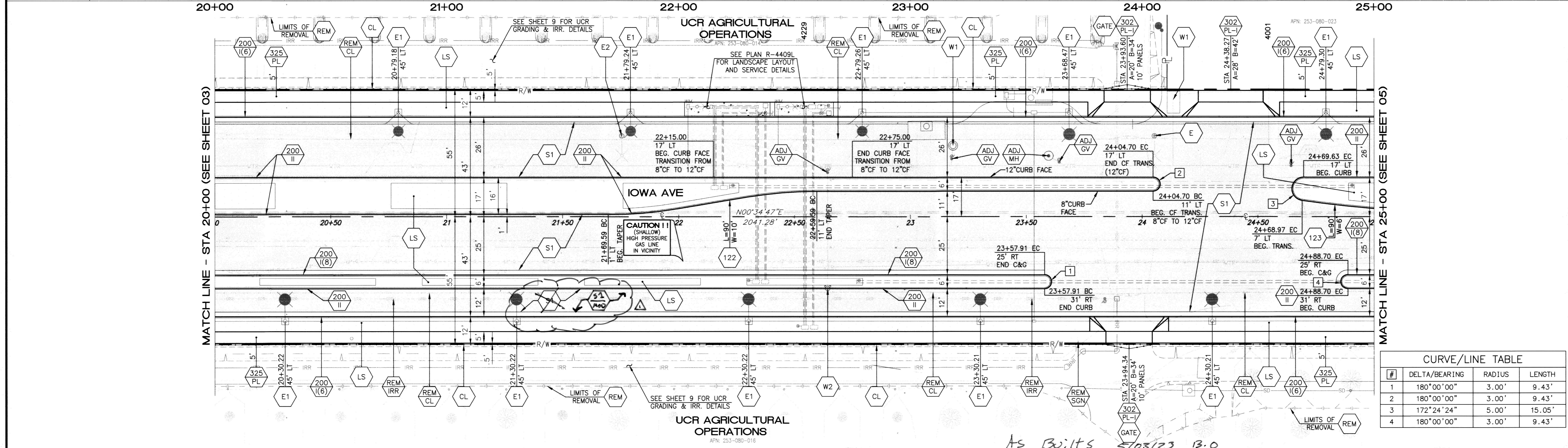
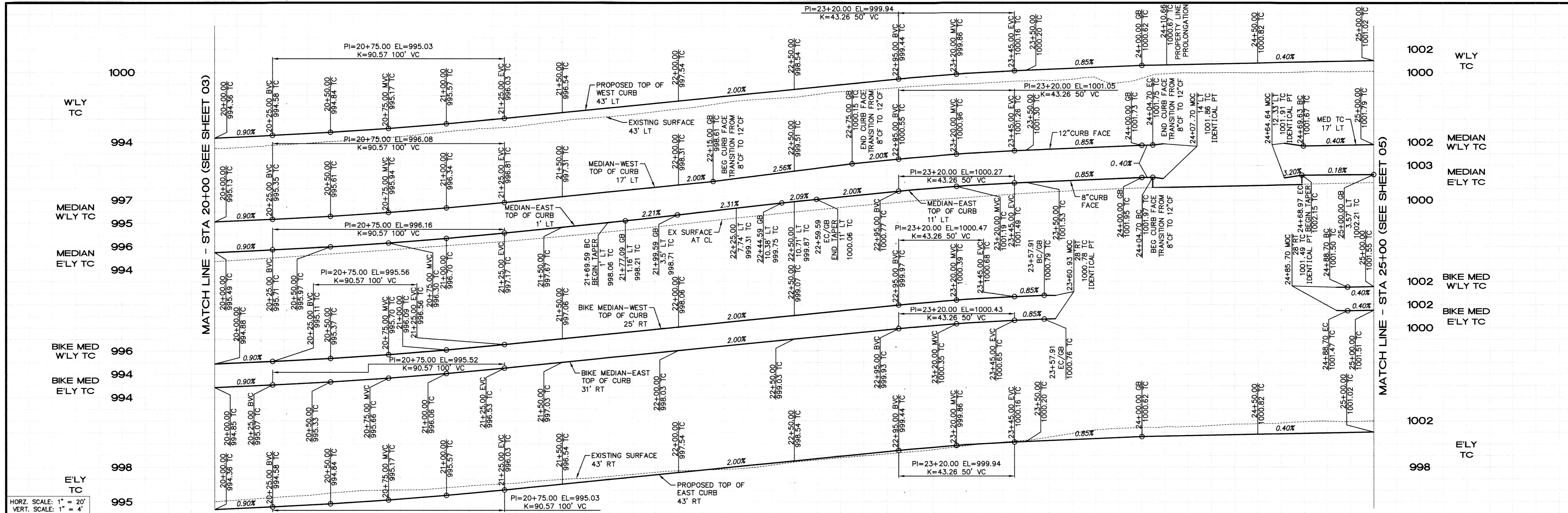
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 REVISIONS: Revised Construction Note
 APPROVED BY: [Signature]
 DATE: 12/12/19

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: [Signature]
 ENGINEERING MANAGER: Fm
 CONSTRUCTION ADMIN.: DC
 TRAFFIC DIVISION: NM
 SURVEY: es
 DATE: 12/12/19

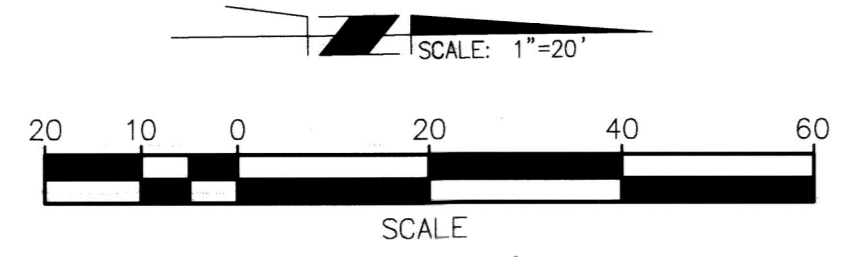
STREET IMPROVEMENT
 IOWA AVENUE WIDENING FROM MLK BLVD TO UNIVERSITY AVE
 STA 15+00 TO STA 20+00
 HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

DESIGN WORK ORDER NO.: 1906545
 CONSTR. WORK ORDER NO.: 1906546
 R-4409
 SHEET 03 OF 09
 FILE NAME: R4409-03.DWG

As Built 5/03/23 B.O



#	DELTA/BEARING	RADIUS	LENGTH
1	180°00'00"	3.00'	9.43'
2	180°00'00"	3.00'	9.43'
3	172°24'24"	5.00'	15.05'
4	180°00'00"	3.00'	9.43'



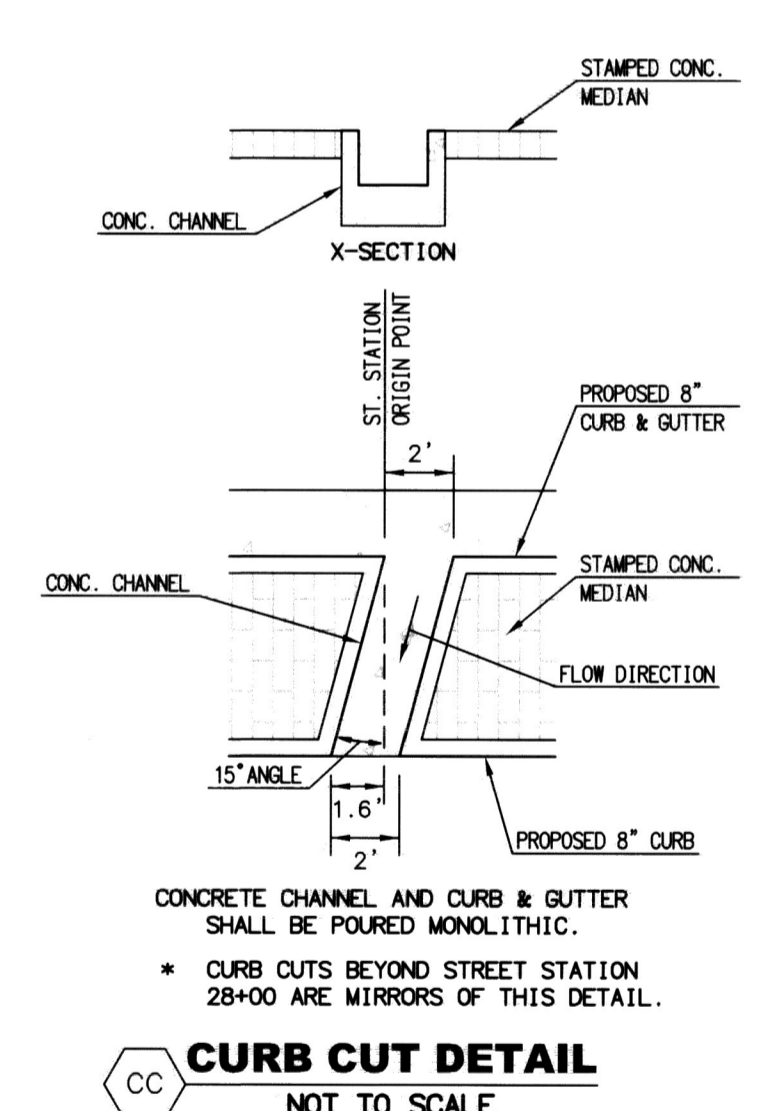
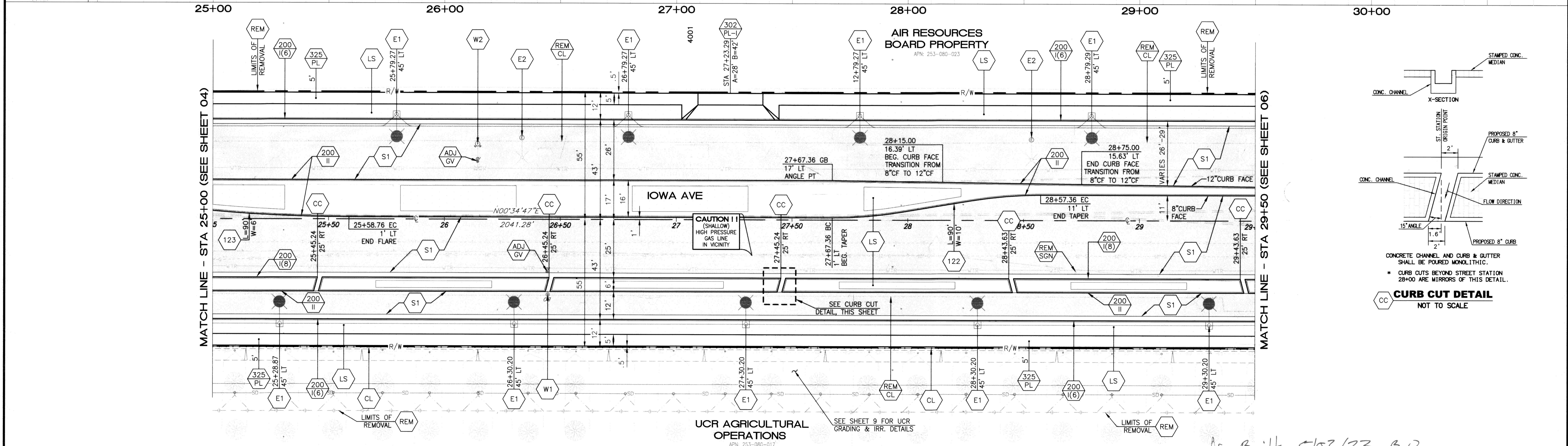
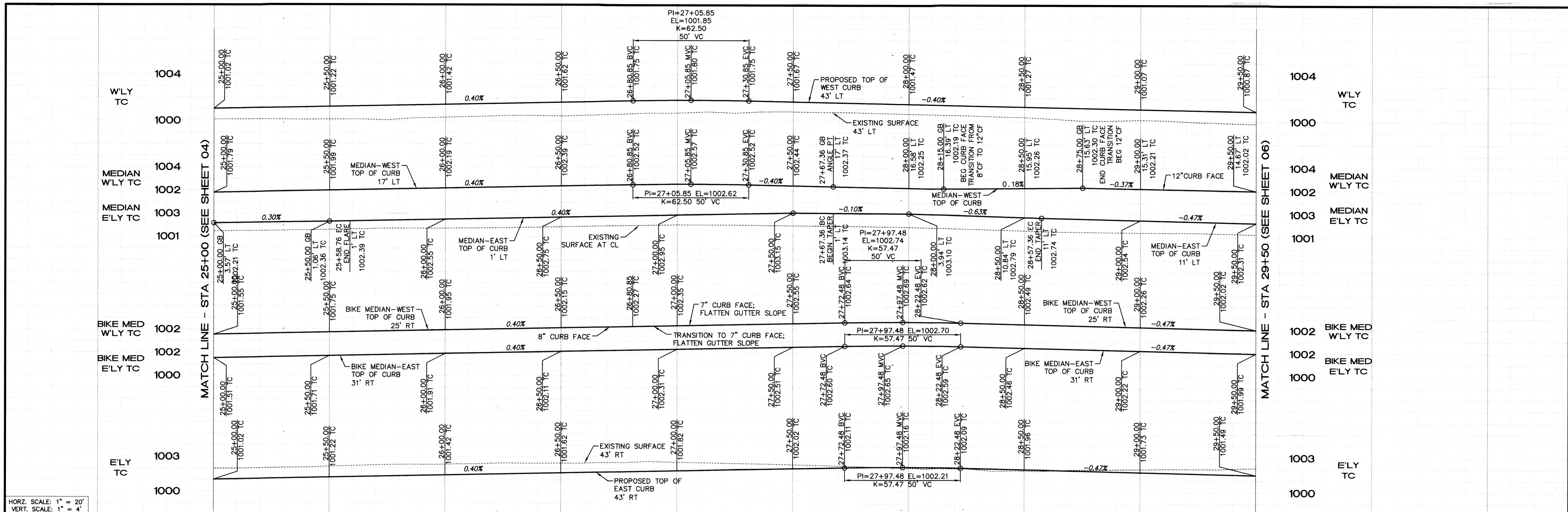
Under Ground Service Alert of Southern California
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
R.C.E. No. 63753 EXPIRES: 9-30-20
DATE: November 19, 2019

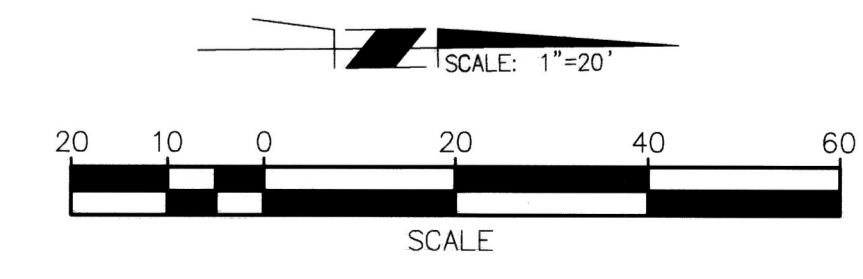
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature]
CONSTRUCTION ADMIN. [Signature]
TRAFFIC DIVISION [Signature]
SURVEY [Signature]

STREET IMPROVEMENT
IOWA AVENUE WIDENING FROM MLK BLVD TO UNIVERSITY AVE
STA 20+00 TO STA 25+00
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

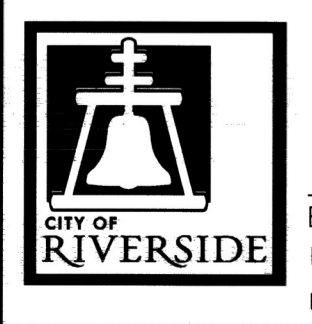
DESIGN WORK ORDER NO.: 1906545
CONSTR. WORK ORDER NO.: 1906546
R-4409
SHEET **04** OF **09**
FILE NAME: R4409-04.DWG



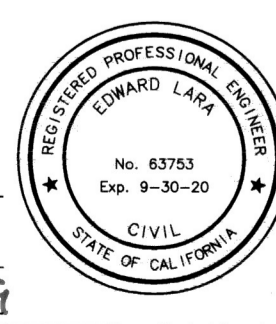
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'



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TWO WORKING DAYS BEFORE YOU DIG



ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
Edward Lara
R.C.E. No. 63753 EXPIRES: 9-30-20
DATE November 19, 2019



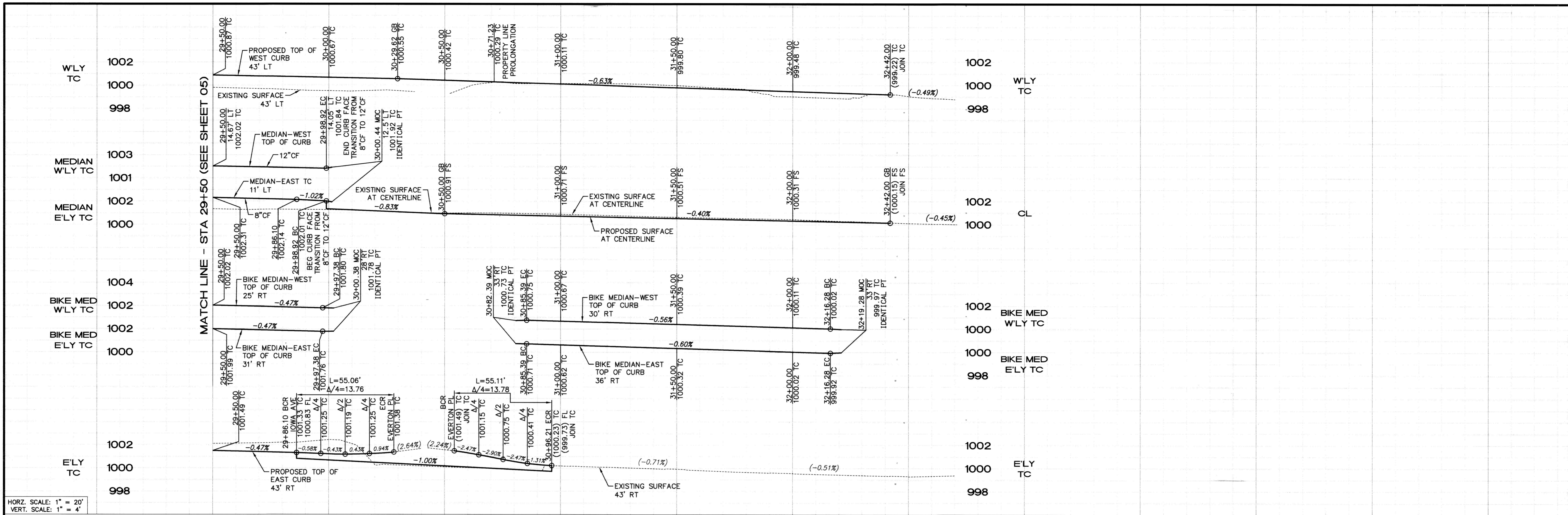
MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	EM	12/21/19	CITY ENGINEER
CONSTRUCTION ADMIN.	DC	12/16/19	
TRAFFIC DIVISION	NM	12/12/19	
SURVEY	SS	12/11/19	
STREETS			

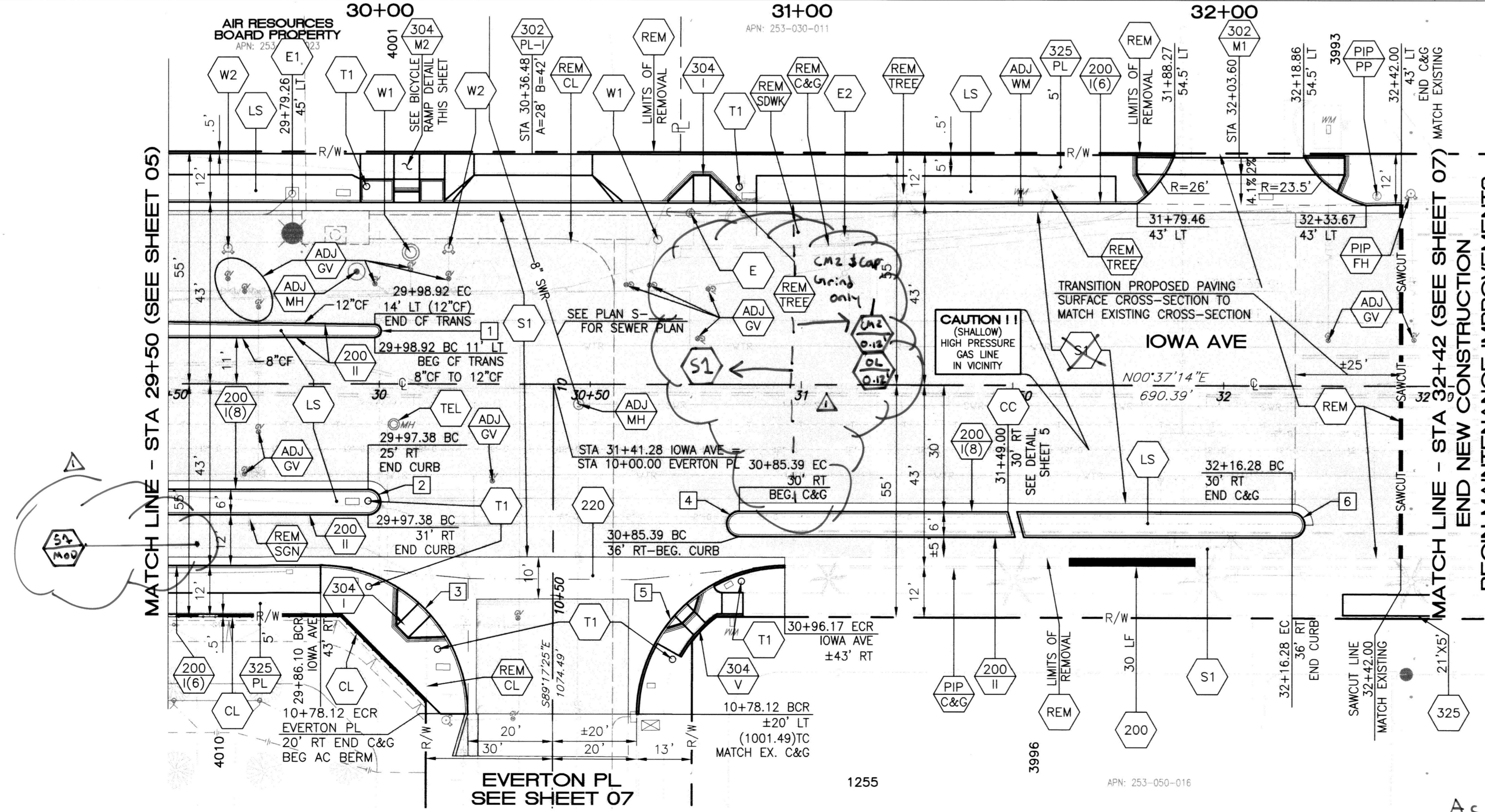
STREET IMPROVEMENT
IOWA AVENUE WIDENING
FROM MLK BLVD
TO UNIVERSITY AVE
STA 25+00 TO STA 29+50

DESIGN WORK ORDER NO.: 1906545
CONSTR. WORK ORDER NO.: 1906546
R-4409
SHEET 05 OF 09
FILE NAME: R4409-05.DWG

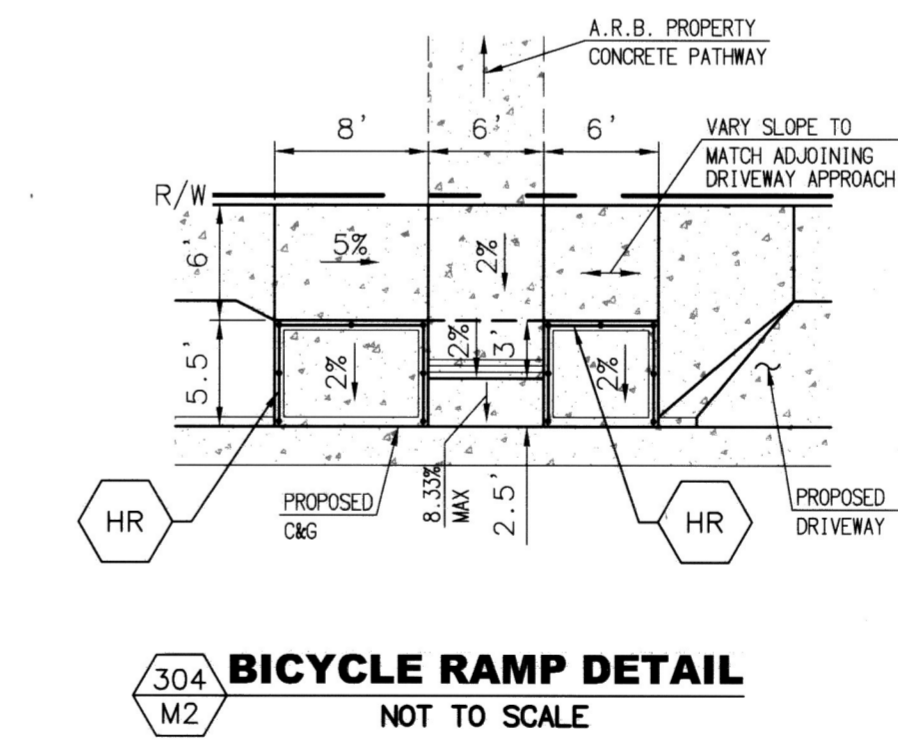
As Built 5/03/23 B.O



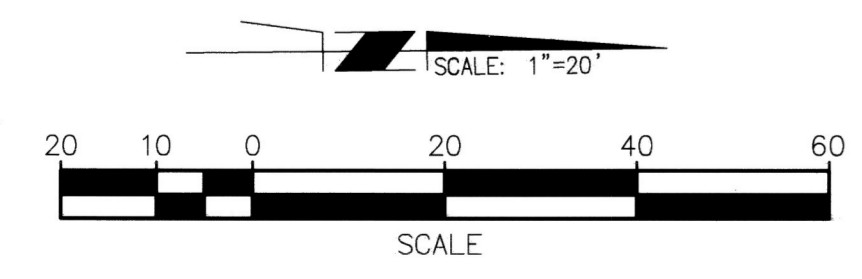
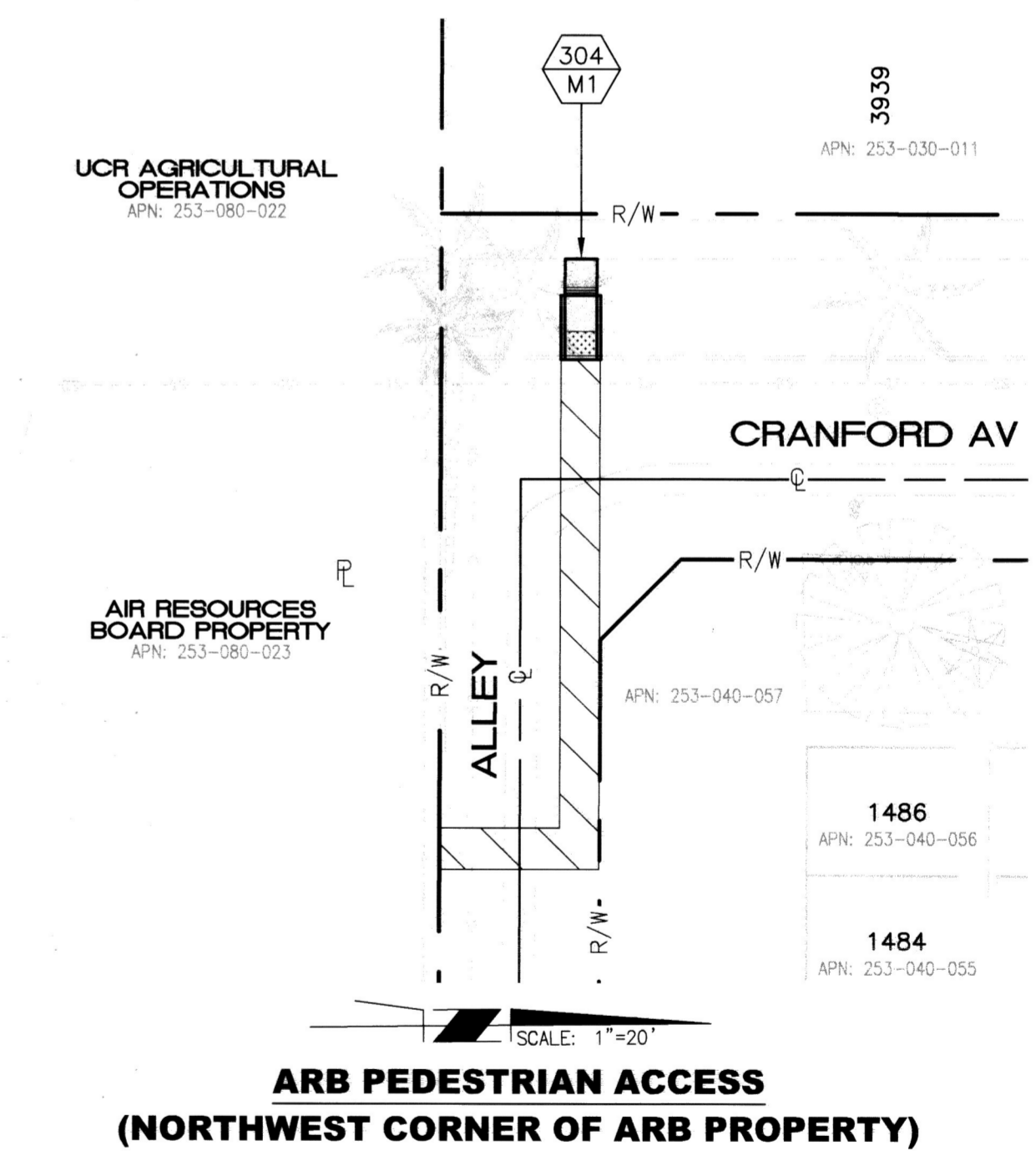
HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'



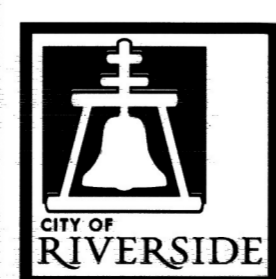
BEGIN MAINTENANCE IMPROVEMENTS I



CURVE/LINE TABLE			
#	DELTA/BEARING	RADIUS	LENGTH
1	179°15'29"	1.50'	4.80'
2	180°00'00"	3.00'	9.43'
3	90°07'48"	35.00'	55.06'
4	180°00'00"	3.00'	9.43'
5	89°08'12"	35.00'	55.11'
6	180°00'00"	3.00'	9.43'



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ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
R.C.E. No. 63753 EXPIRES: 9-30-20
DATE: November 19, 2019



As Built 5/03/23 B.O.

MARK	REVISIONS	APPR.	DATE
Δ	Pavement Revisions	EL	5/3/23

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY	DATE
ENGINEERING MANAGER	EM	12/21/19	CITY ENGINEER	12/16/19
CONSTRUCTION ADMIN.	DC	12/16/19		
TRAFFIC DIVISION	NM	12/12/19		
SURVEY	CS	12/18/19		

DESIGNED BY: CN DRAWN BY: CN CHECKED BY: EL

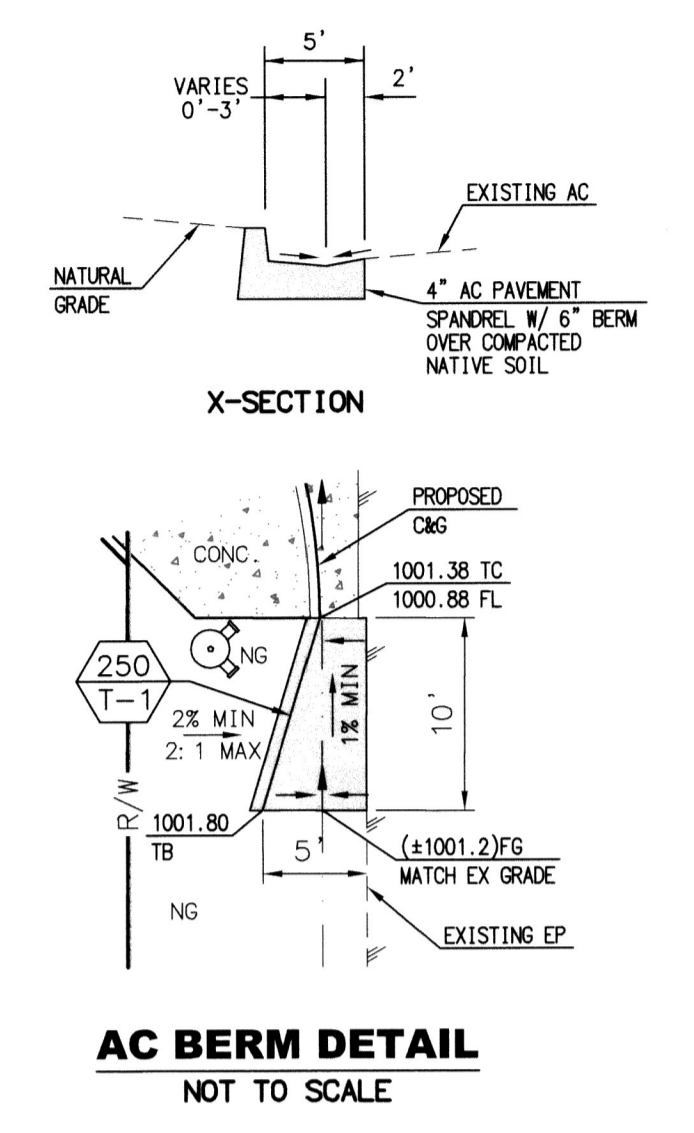
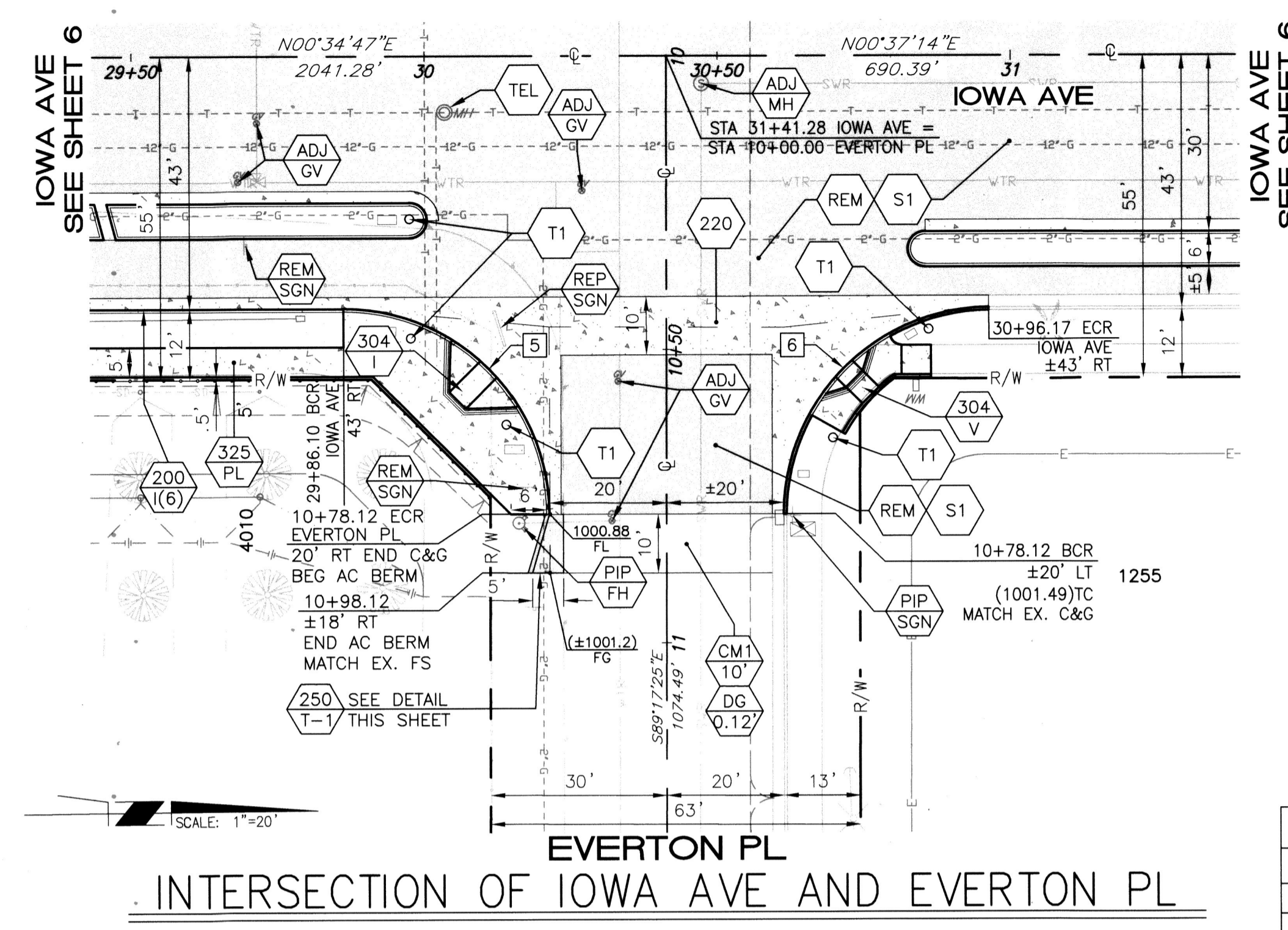
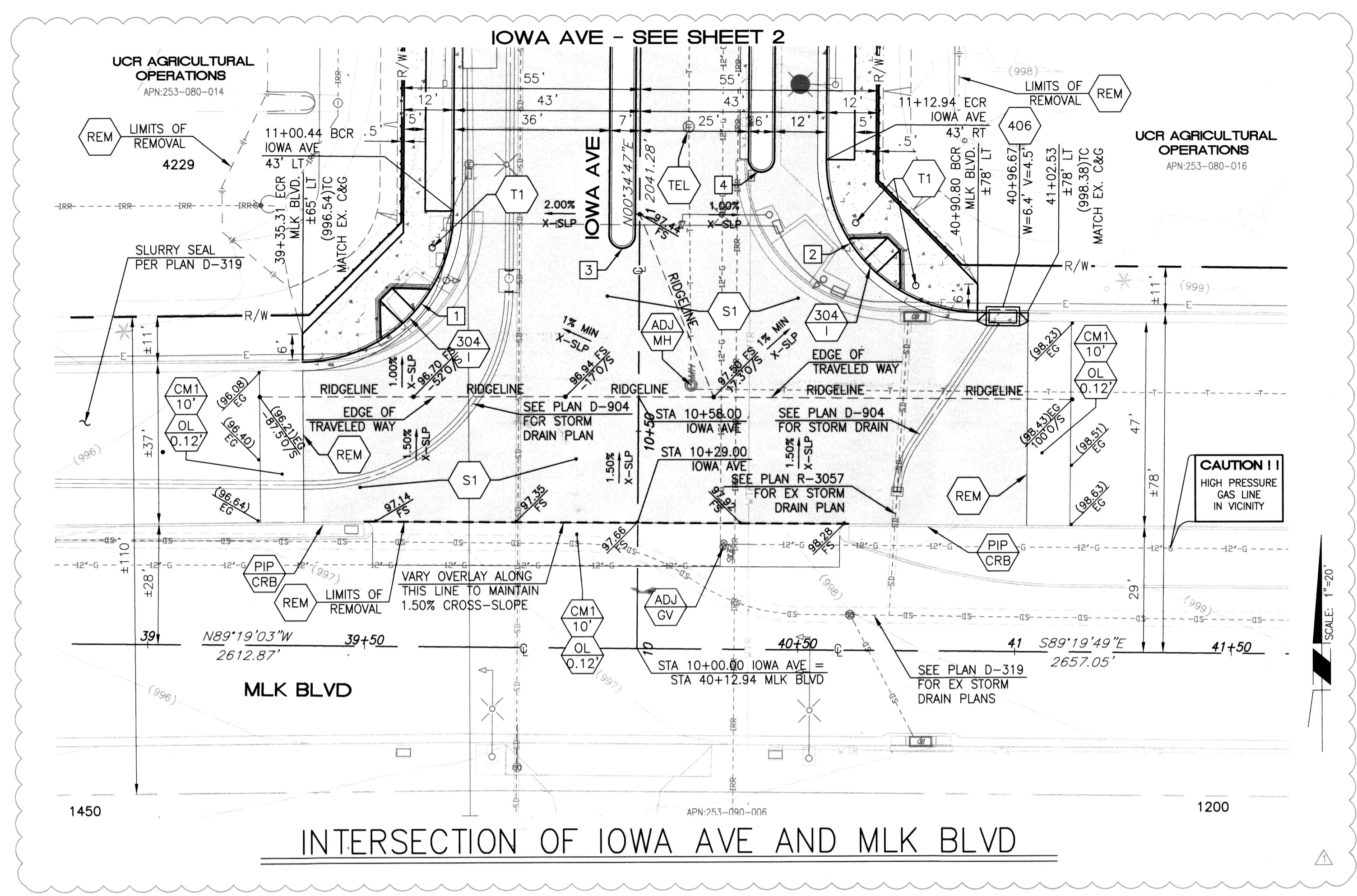
STREET IMPROVEMENT
IOWA AVENUE WIDENING FROM MLK BLVD TO UNIVERSITY AVE
STA 29+50 TO STA 32+42

DESIGN WORK ORDER NO.: 1906545
CONSTR. WORK ORDER NO.: 1906546

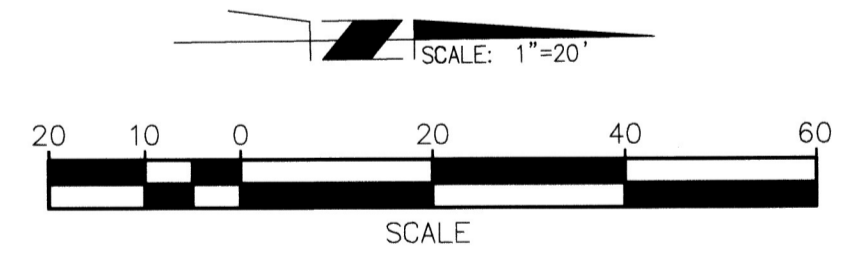
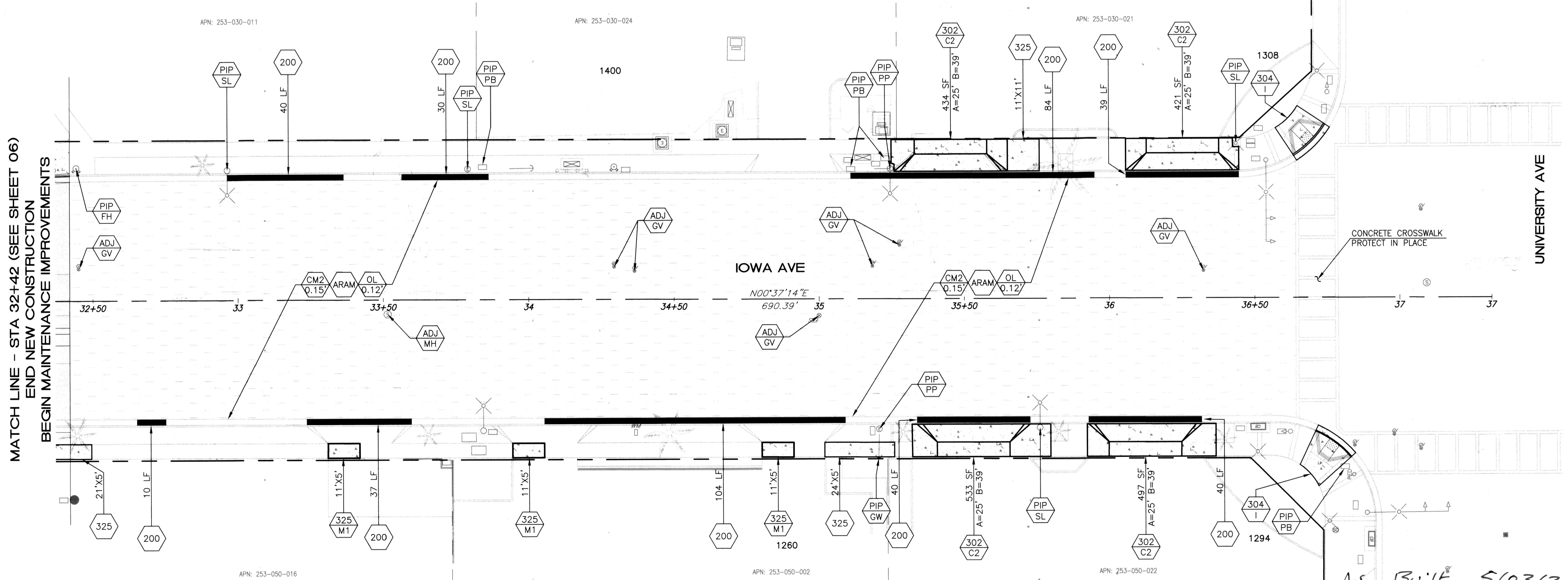
R-4409

SHEET **06** OF **09**

FILE NAME: R4409-06.DWG



CURVE/LINE TABLE			
#	DELTA/BEARING	RADIUS	LENGTH
1	89° 11' 40"	35.00'	54.49'
2	89° 58' 17"	35.00'	54.96'
3	180° 00' 00"	3.00'	9.43'
4	180° 00' 00"	3.00'	9.43'
5	90° 07' 48"	35.00'	55.06'
6	89° 08' 12"	35.00'	55.11'



- LEGEND:**
- CM1 + AC TREATMENT AS INDICATED
 - ARAM + AC TREATMENT AS INDICATED
 - PROPOSED PCC

AS BUILT 5103123 B.O



ENGINEER IN RESPONSIBLE CHARGE
 Edward Lara
 R.C.E. No. 63753 EXPIRES: 9-30-20
 DATE: September 2, 2020

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature] DATE: 9/2/20
 ENGINEERING MANAGER
 CONSTRUCTION ADMIN. DC
 TRAFFIC DIVISION cs
 SURVEY DATE: 9/1/20
 STREETS DATE: Sept. 2, 2020

STREET IMPROVEMENT IOWA AVENUE WIDENING FROM MLK BLVD TO UNIVERSITY AVE

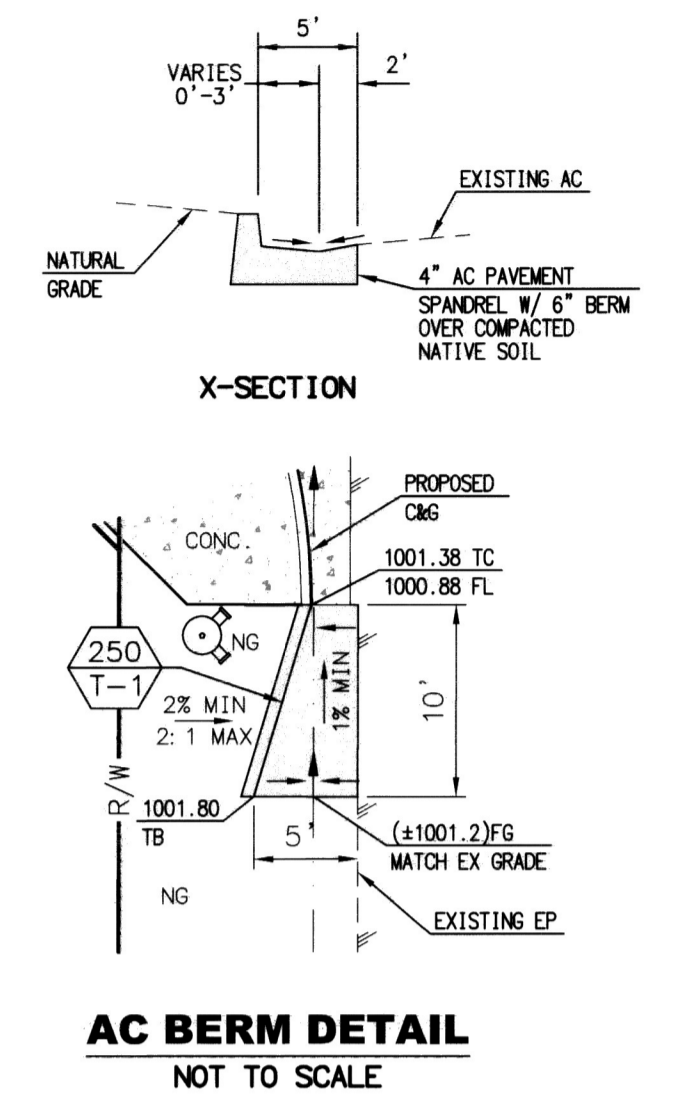
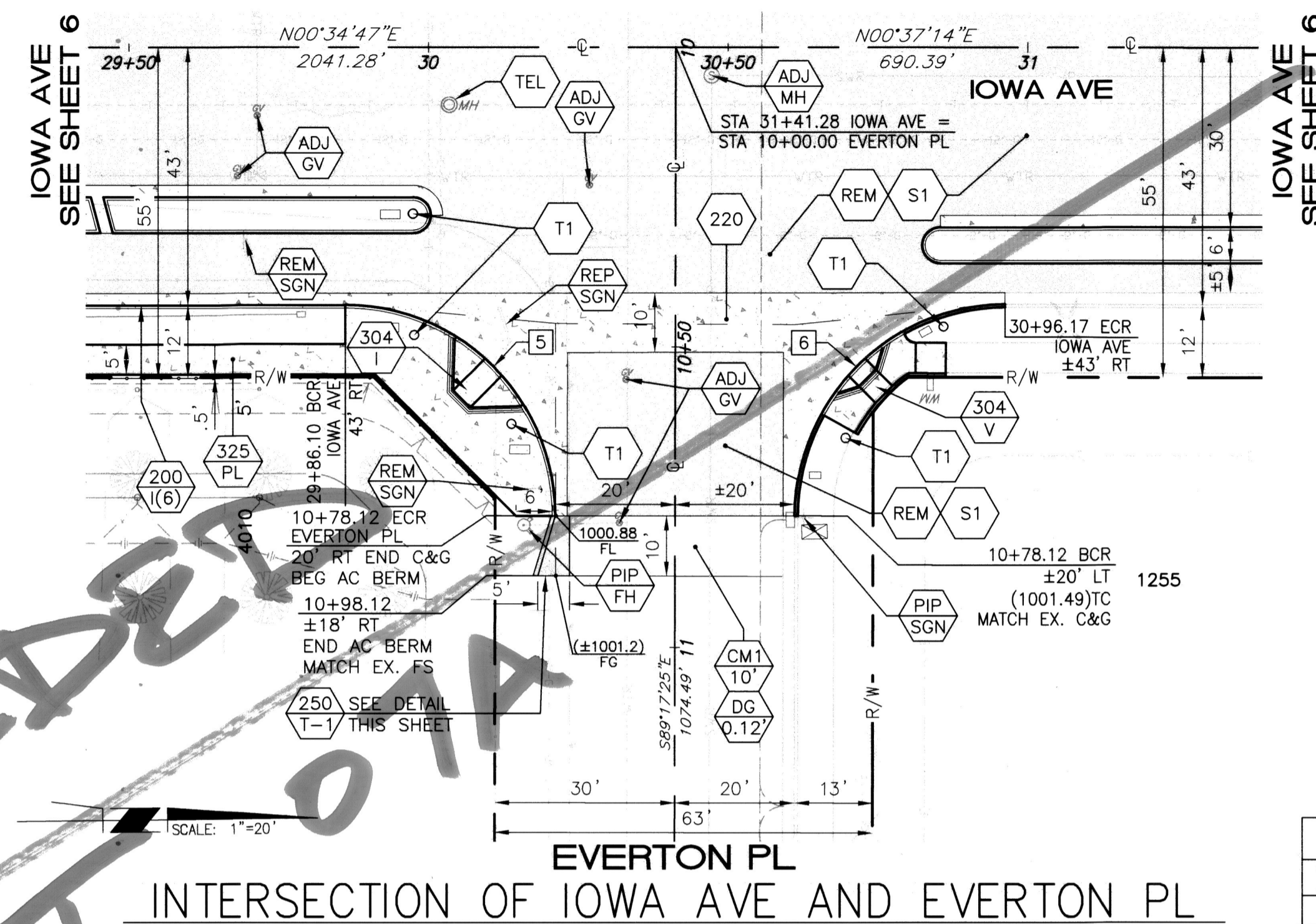
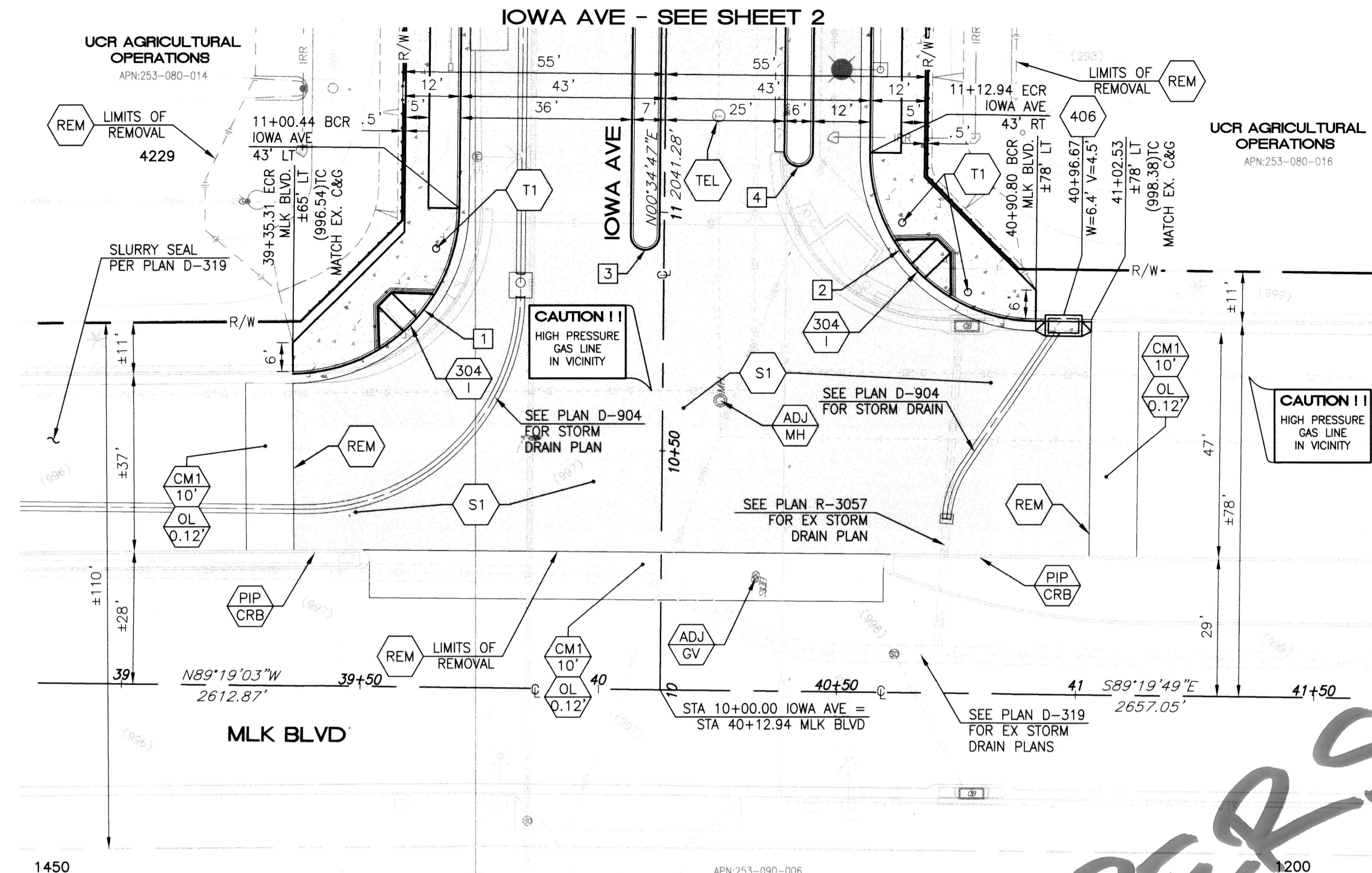
STA 32+42 TO UNIVERSITY AVE AND INTERSECTION DETAILS
 HORIZ. SCALE: 1"=20' VERT. SCALE: N/A

DESIGN WORK ORDER NO.: 1906545
 CONSTR. WORK ORDER NO.: 1906546

R-4409

SHEET **07A** OF **09**

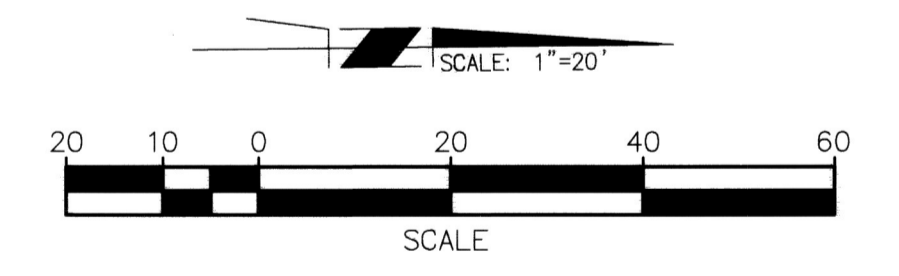
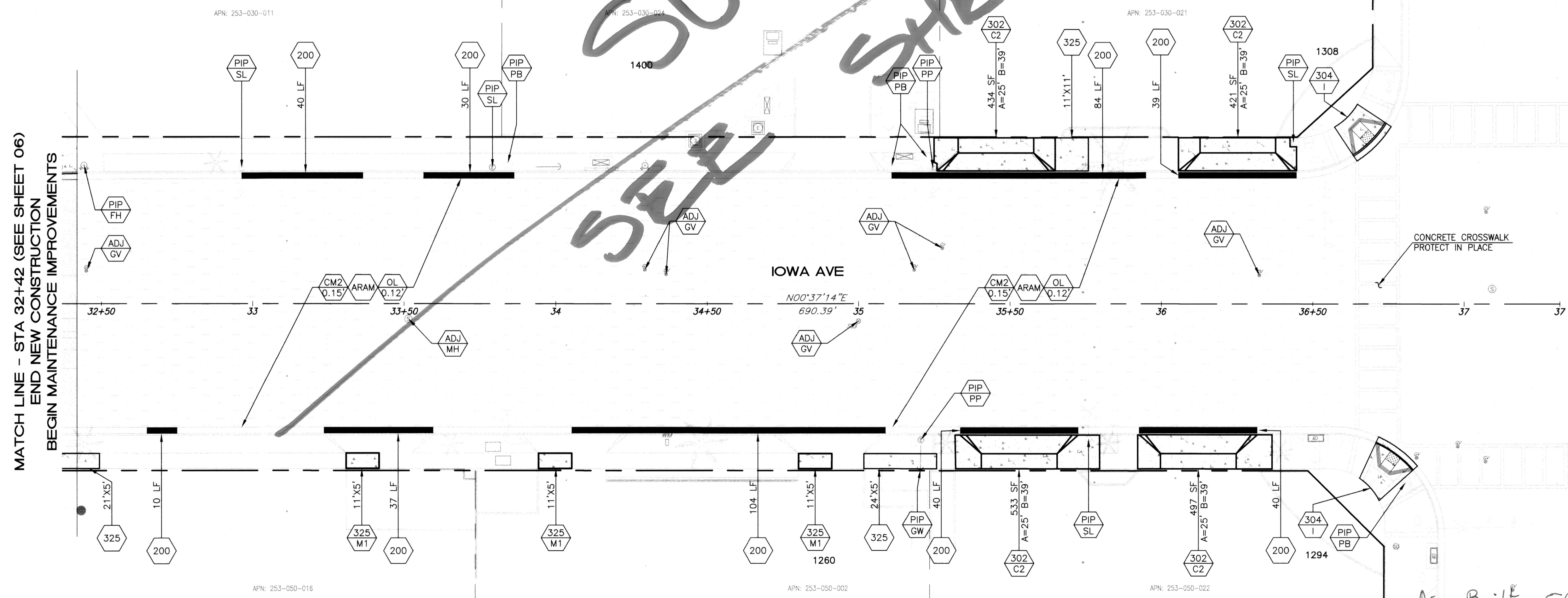
FILE NAME: R4409-07.DWG



CURVE/LINE TABLE			
#	DELTA/BEARING	RADIUS	LENGTH
1	89°11'40"	35.00'	54.49'
2	89°58'17"	35.00'	54.96'
3	180°00'00"	3.00'	9.43'
4	180°00'00"	3.00'	9.43'
5	90°07'48"	35.00'	55.06'
6	89°08'12"	35.00'	55.11'

INTERSECTION OF IOWA AVE AND MLK BLVD

INTERSECTION OF IOWA AVE AND EVERTON PL



- LEGEND:**
- CM1 + AC TREATMENT AS INDICATED
 - ARAM + AC TREATMENT AS INDICATED
 - PROPOSED PCC

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ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
R.C.E. No. 63753 EXPIRES: 9-30-20
DATE: November 19, 2019

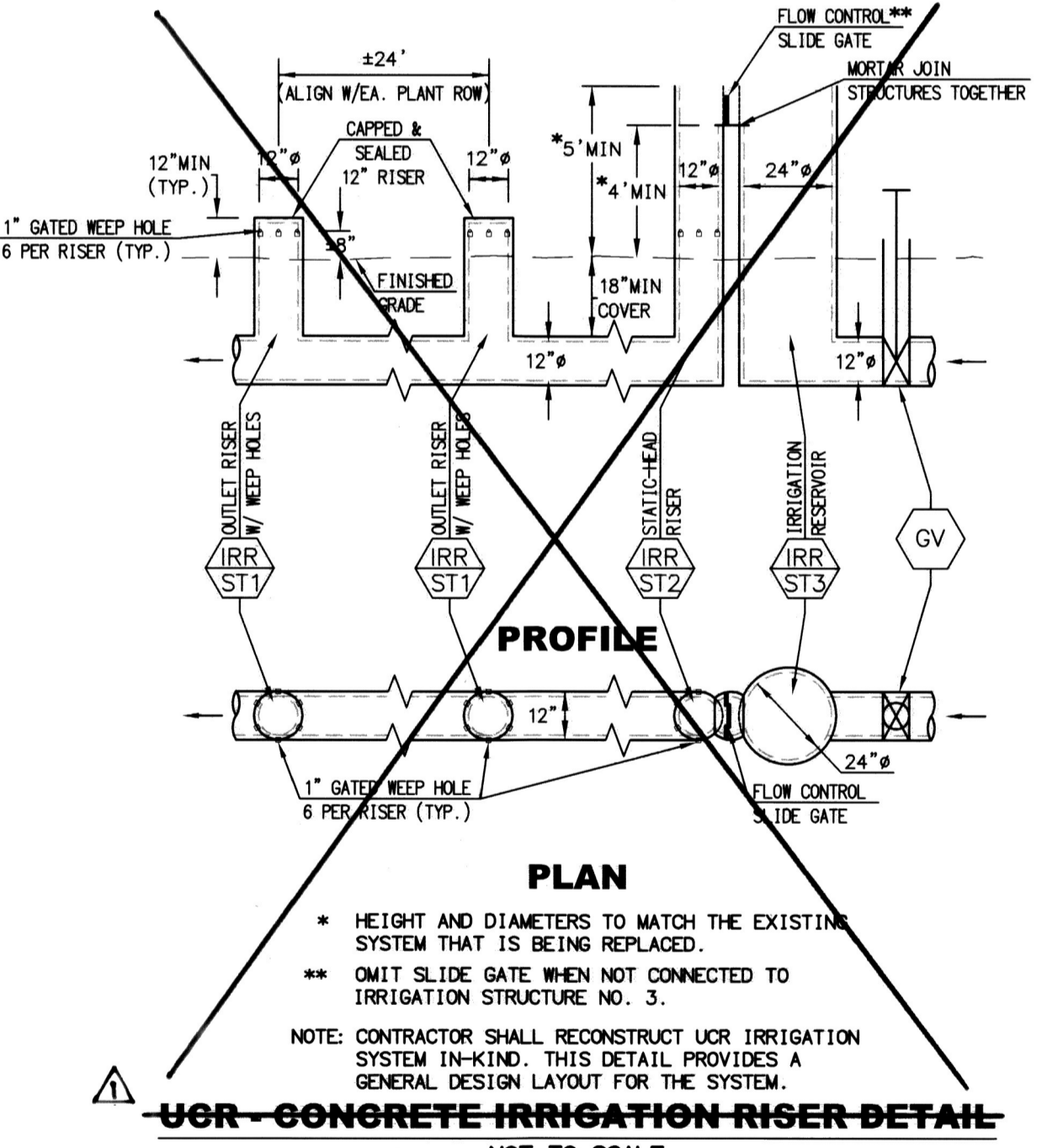
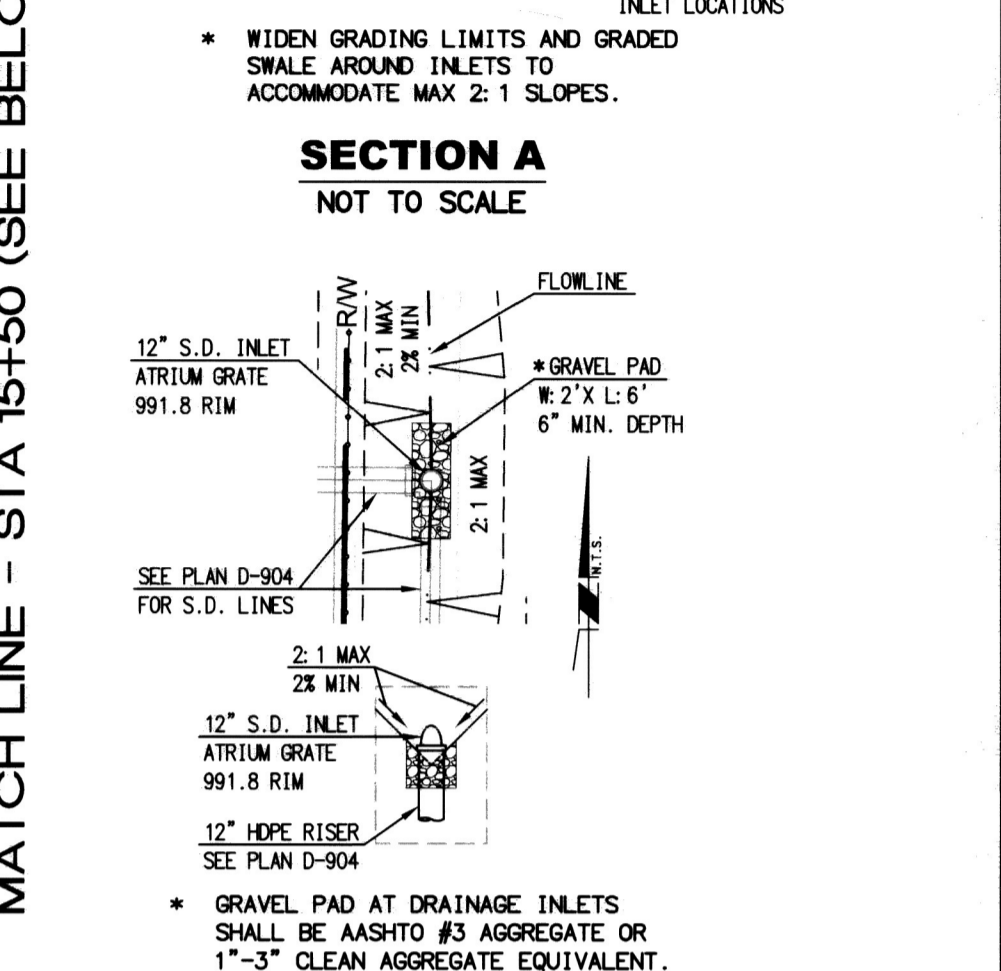
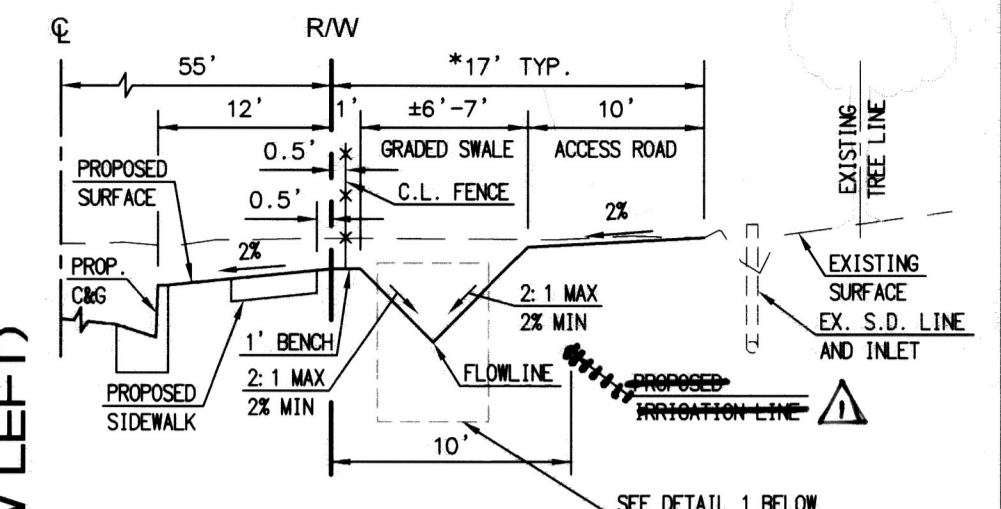
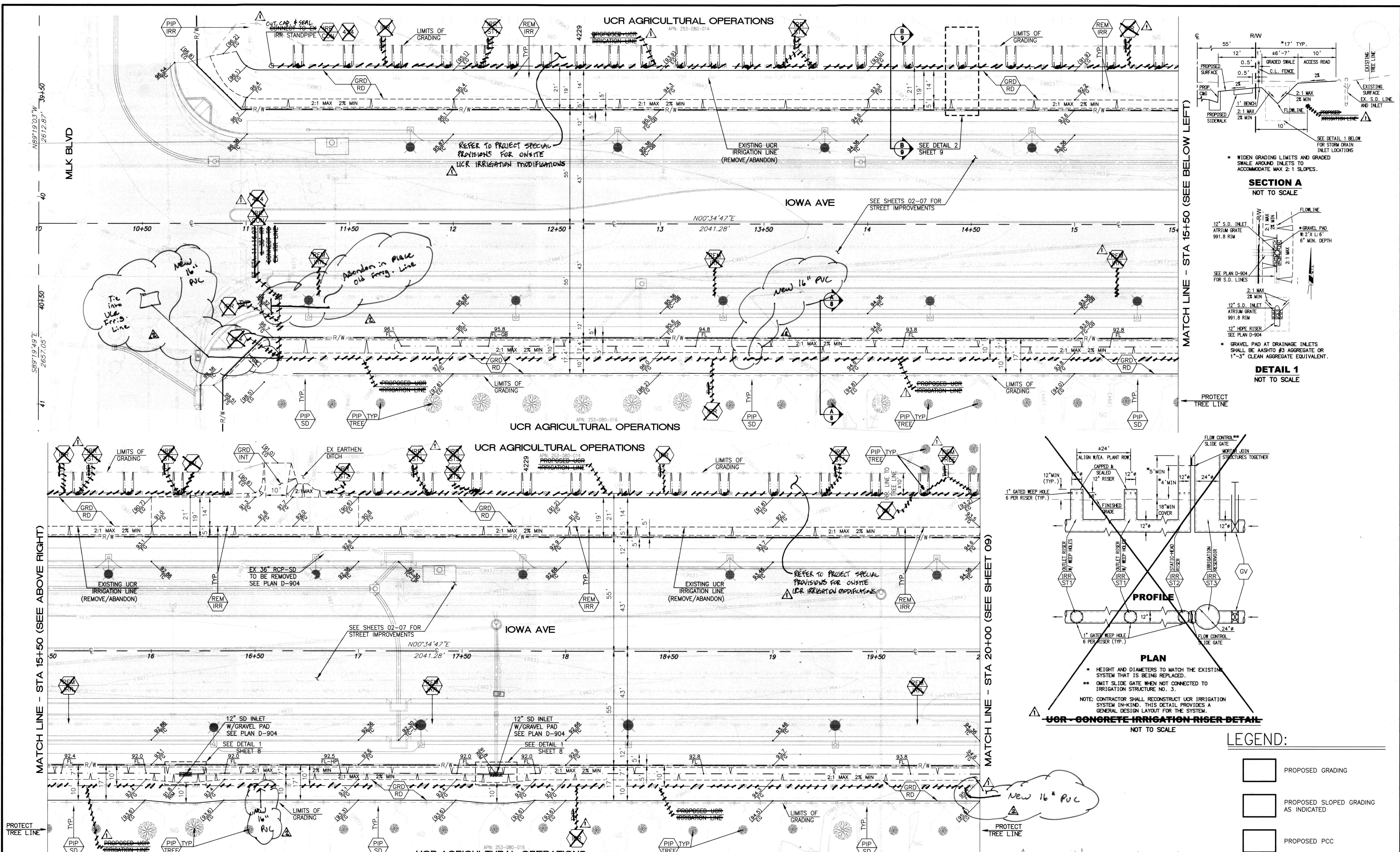
MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

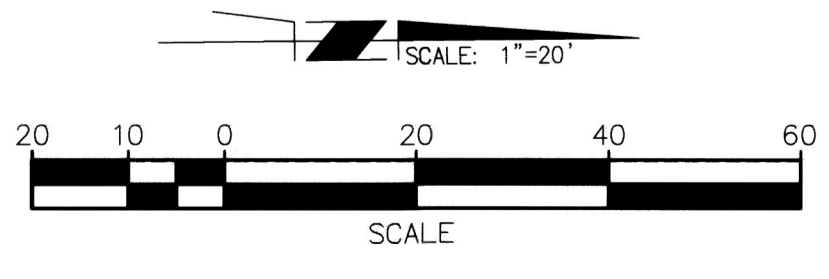
APPROVED BY: *[Signature]* DATE: 12/12/19
CONSTRUCTION ADMIN. DATE: 12/12/19
TRAFFIC DIVISION: *[Signature]* DATE: 12/12/19
SURVEY: *[Signature]* DATE: 12/12/19

STREET IMPROVEMENT
IOWA AVENUE WIDENING
FROM MLK BLVD
TO UNIVERSITY AVE
STA 32+42 TO UNIVERSITY AVE AND INTERSECTION DETAILS
HORIZ. SCALE: 1"=20' VERT. SCALE: N/A

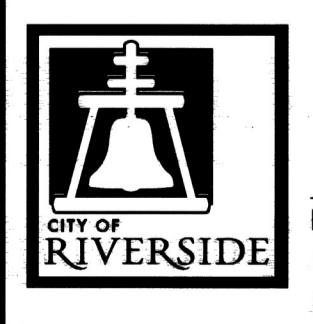
DESIGN WORK ORDER NO.: 1906545
CONSTR. WORK ORDER NO.: 1906546
R-4409
SHEET **07** OF **09**
FILE NAME: R4409-07.DWG



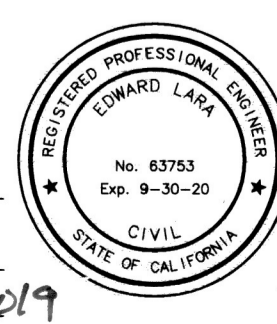
- LEGEND:**
- PROPOSED GRADING
 - PROPOSED SLOPED GRADING AS INDICATED
 - PROPOSED PCC



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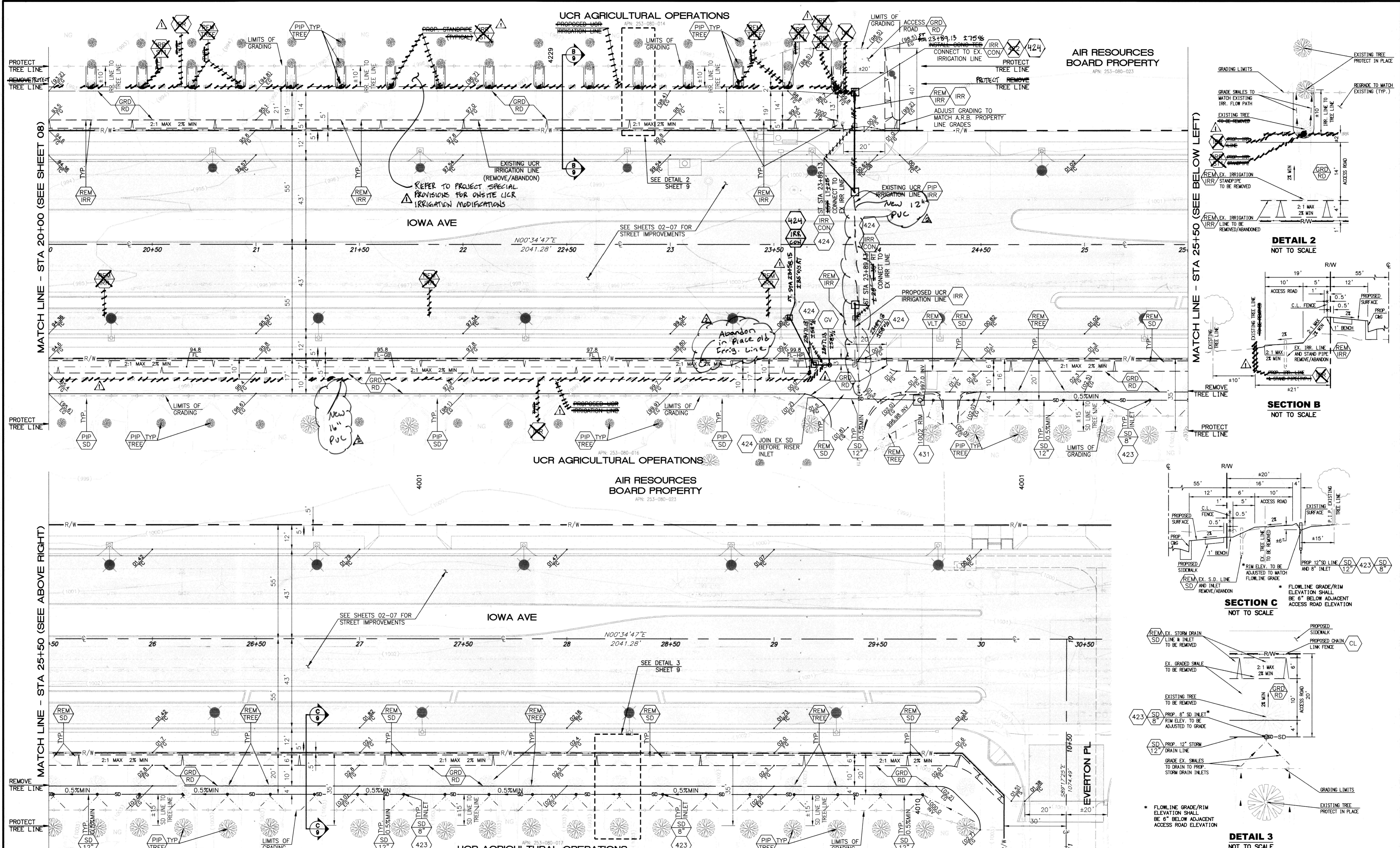
ENGINEER IN RESPONSIBLE CHARGE
 Edward Lara
 Edward Lara
 R.C.E. No. 63753 EXPIRES: 9-30-20
 DATE: November 19, 2019



DESIGNED BY: CN	DRAWN BY: CN	CHECKED BY: EL
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CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		
APPROVED BY: ENGINEERING MANAGER	BY: EM	DATE: 12/2/19
CONSTRUCTION ADMIN.	BY: DC	DATE: 12/16/19
TRAFFIC DIVISION	BY: NM	DATE: 12/12/19
SURVEY	BY: CS	DATE: 12/12/19
STREETS		

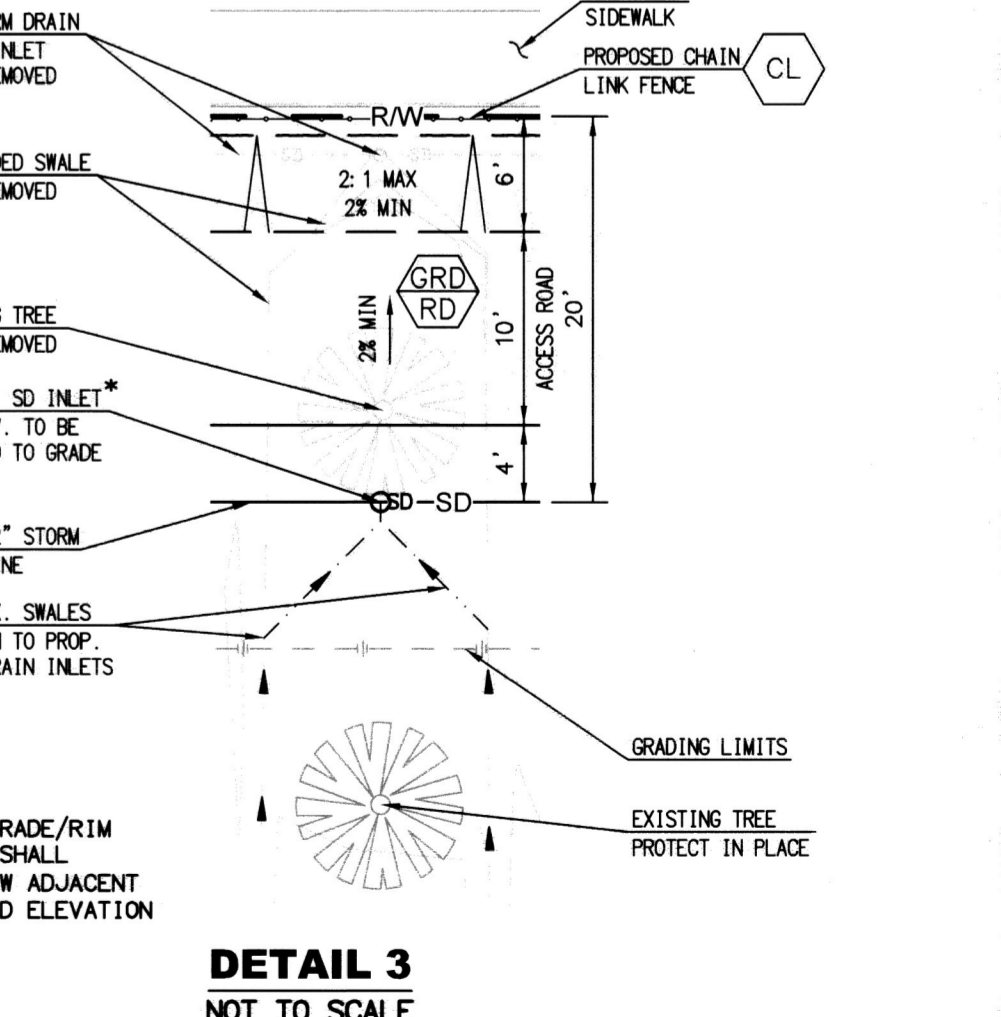
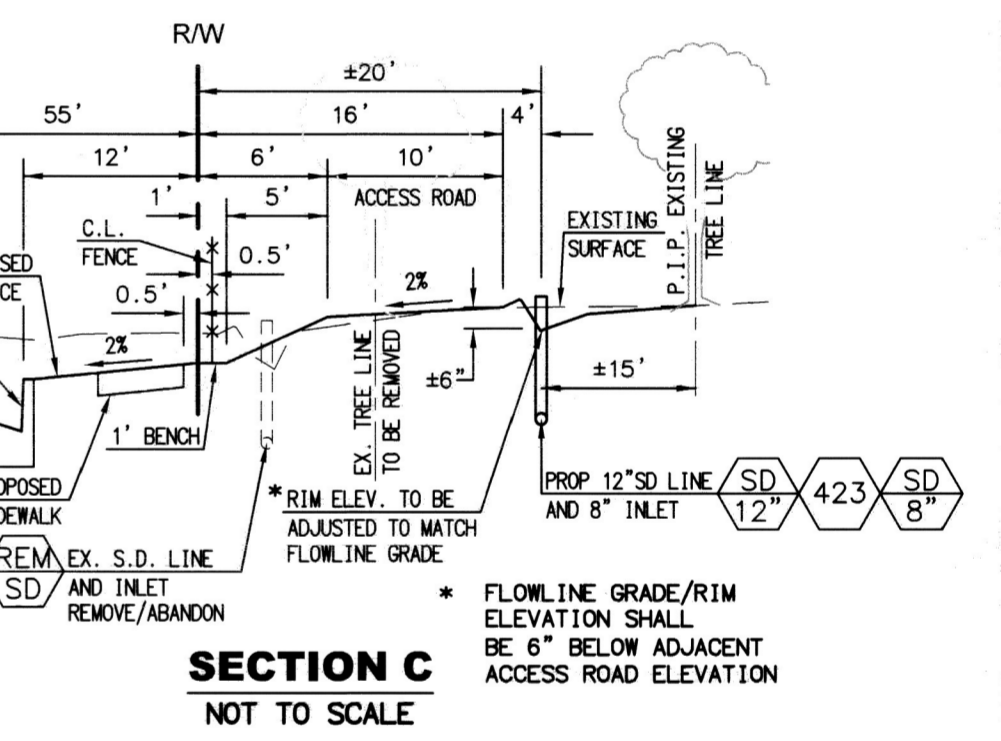
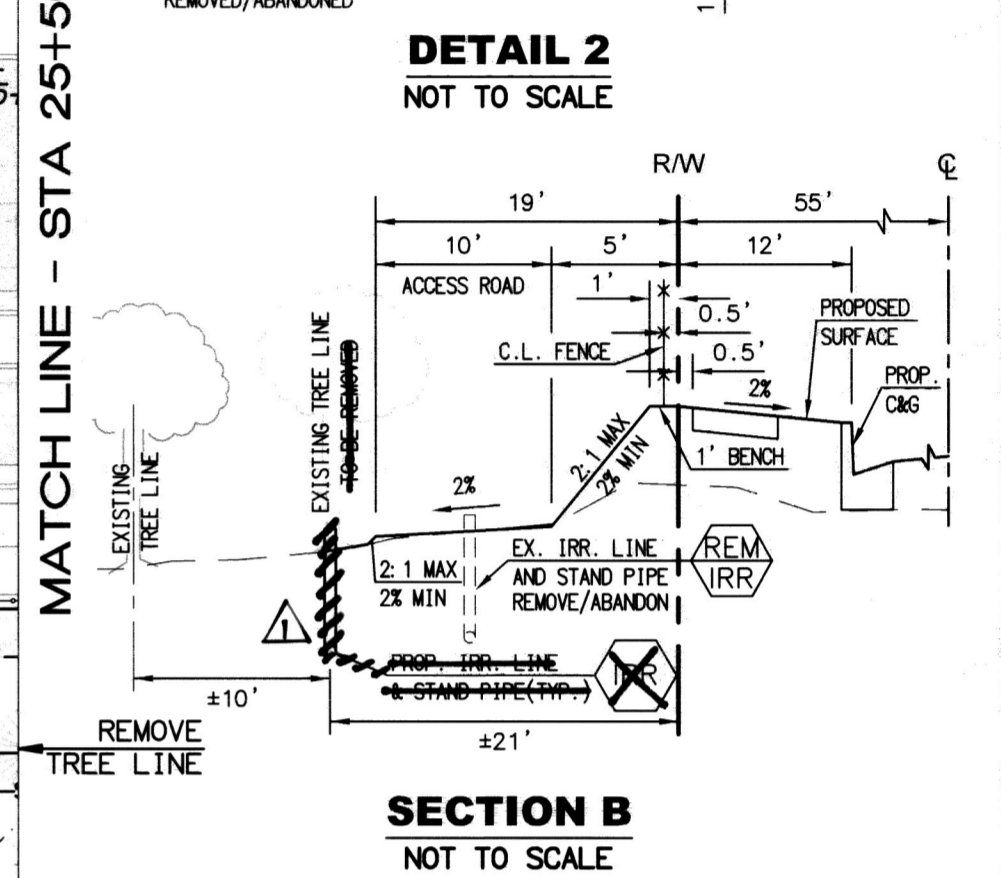
GRADING AND IRRIGATION PLANS
 IOWA AVENUE WIDENING FROM MLK BLVD TO UNIVERSITY AVE
 UCR GRADING AND IRRIGATION MLK BLVD TO STREET STA 20+00
 DESIGN WORK ORDER NO.: 1906545
 CONSTR. WORK ORDER NO.: 1906546
R-4409
 SHEET **08** OF **09**
 FILE NAME: R4409-08.DWG



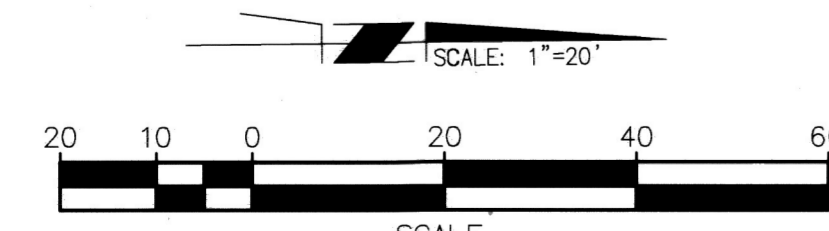
MATCH LINE - STA 20+00 (SEE SHEET 08)

MATCH LINE - STA 25+50 (SEE BELOW LEFT)

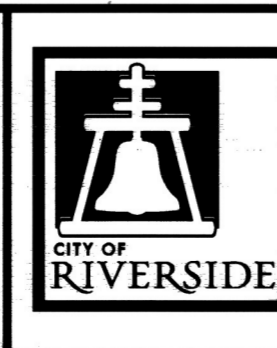
MATCH LINE - STA 25+50 (SEE ABOVE RIGHT)



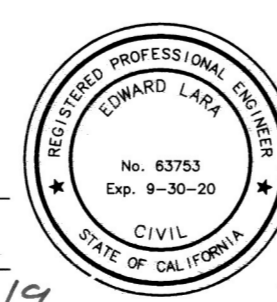
DETAIL 3
NOT TO SCALE



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ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
Edward Lara
R.C.E. No. 63753 EXPIRES: 9-30-20
DATE: November 19, 2019



DESIGNED BY: CN	DRAWN BY: CN	CHECKED BY: EL
REVISIONS: 1. PVC / Eng. Line revisions 2. REVISE CONC. IRRIGATION ALIGNMENT, EC 1312 3. REMOVE IRR. STRUCTURES, REVISE LABELS		

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY:	BY:	DATE:	APPROVED BY:
ENGINEERING MANAGER	EM	12/21/19	CITY ENGINEER
CONSTRUCTION ADMIN.	JC	12/16/19	
TRAFFIC DIVISION	NJM	12/18/19	
SURVEY		12/18/19	
STREETS			

GRADING AND IRRIGATION PLANS		DESIGN WORK ORDER NO.: 1906545
IOWA AVENUE WIDENING FROM MLK BLVD TO UNIVERSITY AVE		CONSTR. WORK ORDER NO.: 1906546
UCR GRADING AND IRRIGATION STREET STA 20+00 TO EVERTON PLACE		R-4409
HORIZ. SCALE: 1"=20' VERT. SCALE: N/A		SHEET 09 OF 09
		FILE NAME: R4409-09.DWG

AS BUILT 5/03/23 P.O.