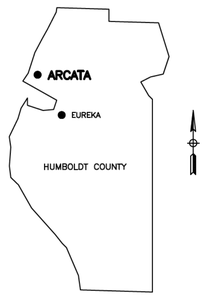
CITY OF ARCATA

RAILS WITH TRAILS

PHASE -1

PROJECT MANAGER: KAREN DIEMER, 1-Hum- EA# 011200277, CITY ENGINEER: DOBY CLASS



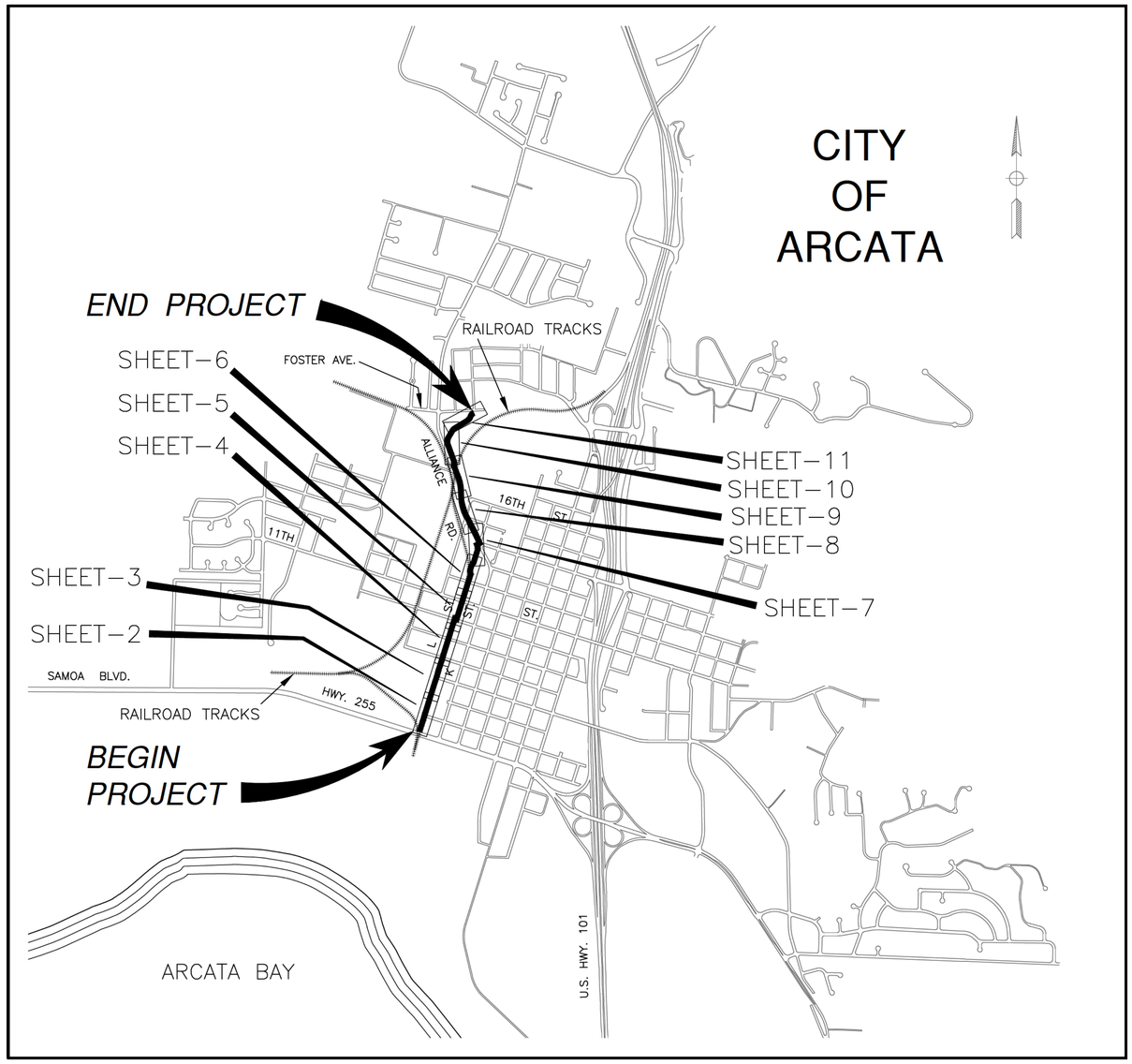
COUNTY MAP

N.T.S.

STATE MAP

N.T.S.

NOTE :
THESE PLANS WERE DEVELOPED USING A PRELIMINARY DESIGN BY GHD INC. AND A TOPOLOGICAL SURVEY BY GUTIERREZ LAND SURVEYING



PROJECT LOCATION MAP

N.T.S.

SHEET INDEX

1. COVER SHEET
2. C101 – PLAN & PROFILE – STA. 170+00 TO STA. 176+00
3. C102 – PLAN & PROFILE – STA. 176+00 TO STA. 181+50
4. C103 – PLAN & PROFILE – STA. 181+50 TO STA. 187+00
5. C104 – PLAN & PROFILE – STA. 187+00 TO STA. 192+50
6. C105 – PLAN & PROFILE – STA. 192+50 TO STA. 198+00
7. C106 – PLAN & PROFILE – STA. 198+00 TO STA. 203+00
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9. C108 – PLAN & PROFILE – STA. 208+50 TO STA. 214+00
10. C109 – PLAN & PROFILE – STA. 214+00 TO STA. 219+00
11. C110 – PLAN & PROFILE – STA. 219+00 TO STA. 223+00
12. C111 – PLAN & PROFILE – ALLAINCE ROAD CROSSING
13. C112 – PLAN & PROFILE – 15th St & AHS TRAIL
14. C301 – CROSS SECTIONS
15. C302 – CROSS SECTIONS
16. C303 – CROSS SECTIONS
17. C304 – CROSS SECTIONS
18. C305 – CROSS SECTIONS
19. C401 – ENLARGED PLANS – 4th, & 5th STREET CROSSINGS
20. C402 – ENLARGED PLANS – 8th & 9th STREET CROSSINGS
21. C403 – ENLARGED PLANS – 10th STREET CROSSINGS & MOUNTABLE CURBS
22. C404 – ENLARGED PLANS – 11th & 12th STREET CROSSINGS
23. C405 – ENLARGED PLANS – ALLIANCE ROAD CROSSING
24. C406 – ENLARGED PLANS – 15th & 17th STREET CROSSINGS
25. C407 – ENLARGED PLANS – ARCATA HIGH TRAIL CONNECTION
26. C501 – DETAIL SHEET
27. C502 – DETAIL SHEET
28. C503 – DETAIL SHEET
29. C504 – DETAIL SHEET
30. E101 – ELECTRICAL PLAN
31. E102 – ELECTRICAL PLAN
32. E103 – ELECTRICAL PLAN
33. E104 – ELECTRICAL PLAN
34. E105 – ELECTRICAL PLAN
35. E106 – ELECTRICAL DETAILS
36. E107 – ELECTRICAL DETAILS

APPROVED BY:

R.C. CLASS R.C.E. 56487

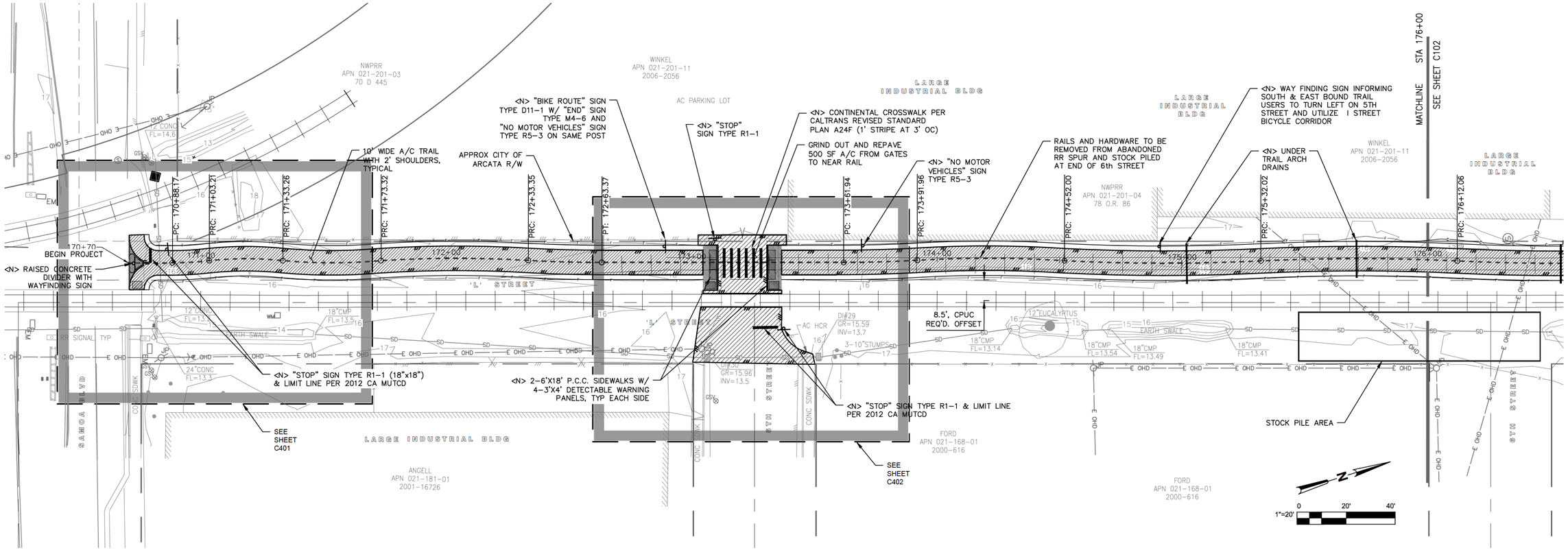
PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

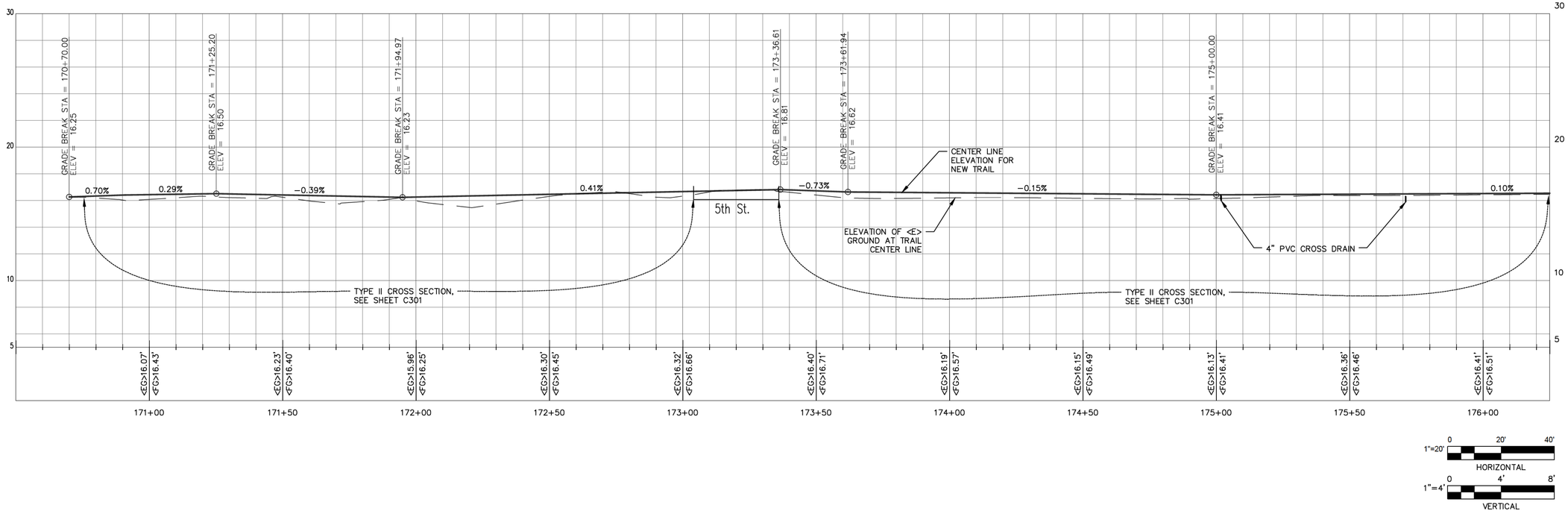
No.	DATE	REVISION	BY
1	12/2/2013	Comments from client.	

COVER SHEET
2014 RAILS WITH TRAILS
PHASE ONE

Date 1/31/2014
Scale NTS
Sheet No. 1 OF 36
Drawing COVER SHEET

Plotted By:Terry Barney Plot Date: 1/31/2014 RWT_SHT_1.dwg





PREPARED BY:

CITY OF ARCATA
ENGINEERING DEPARTMENT

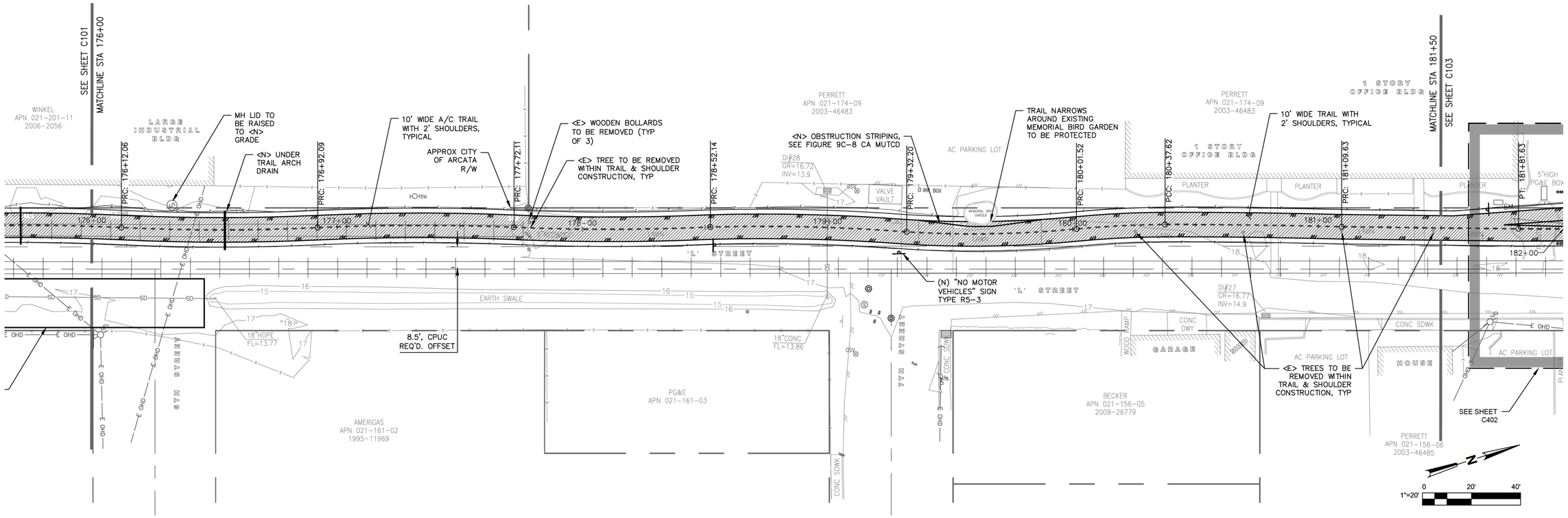
No.	DATE	REVISION
1	1/27/2014	Comments from client.

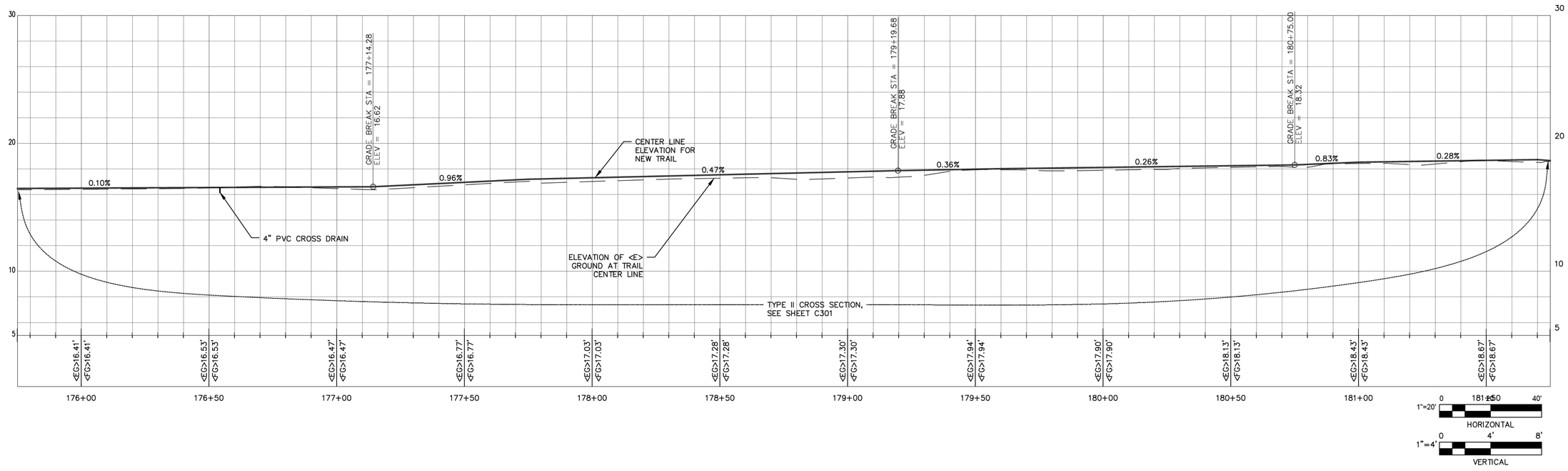
Plan & Profile Sta 170+70 to 176+00

2014 RAILS WITH TRAILS
PHASE ONE

Date	1/27/2014
Scale	1" = 20'
Sheet No.	2 OF 36
Drawing	C101

Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_Main_2014-01-27.dwg





Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_Main_2014-01-27.dwg

PREPARED BY:

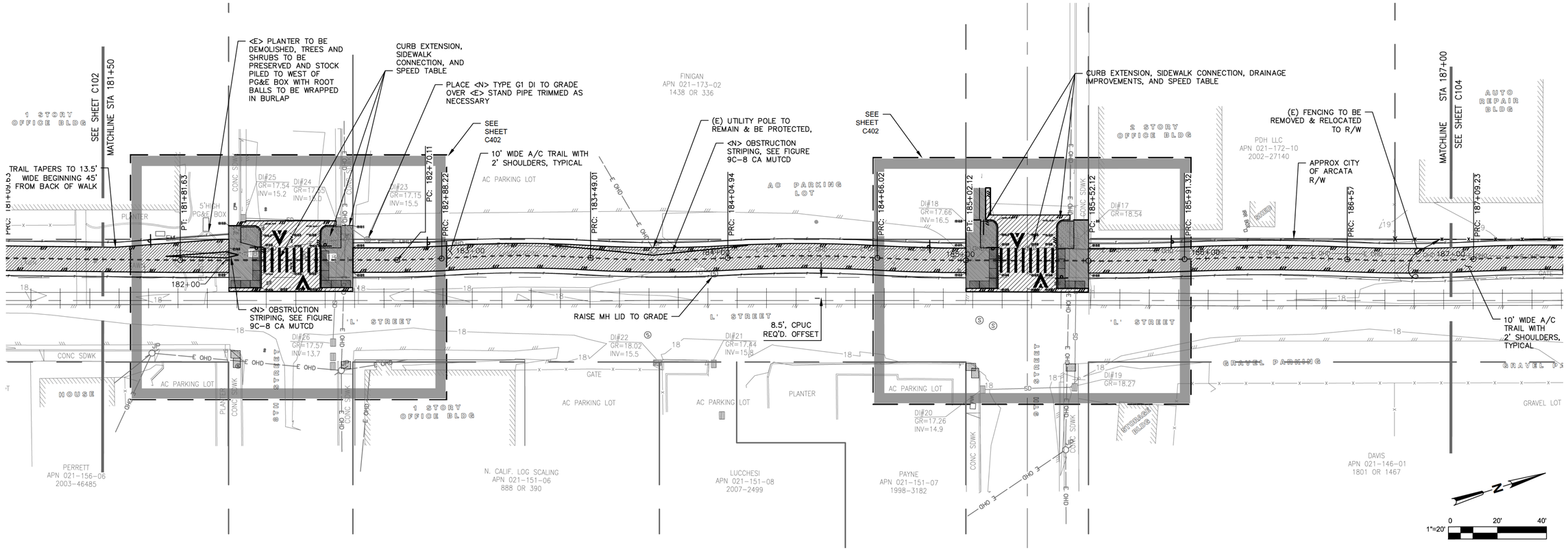
CITY OF ARCATA
ENGINEERING DEPARTMENT

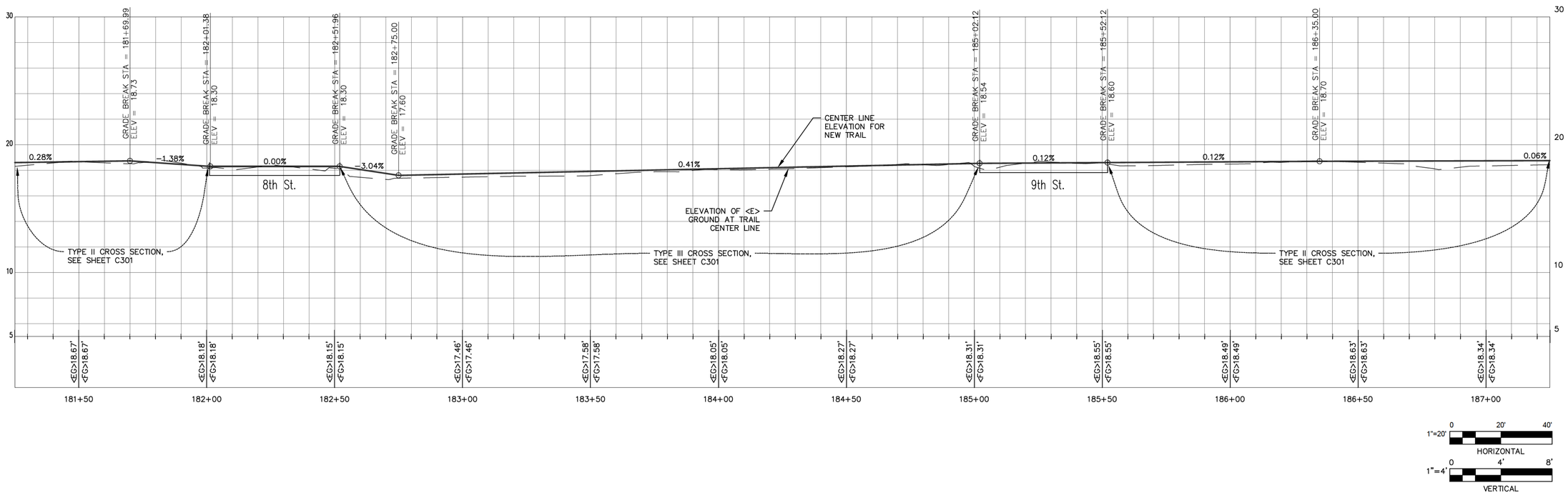
No.	DATE	REVISION
1	1/27/2014	Comments from client.

Plan & Profile Sta 176+00 to 181+50

2014 RAILS WITH TRAILS
PHASE ONE

Date	1/27/2014
Scale	1" = 20'
Sheet No.	3 OF 36
Drawing	C102





CITY OF ARCATA
ENGINEERING DEPARTMENT

PREPARED BY:

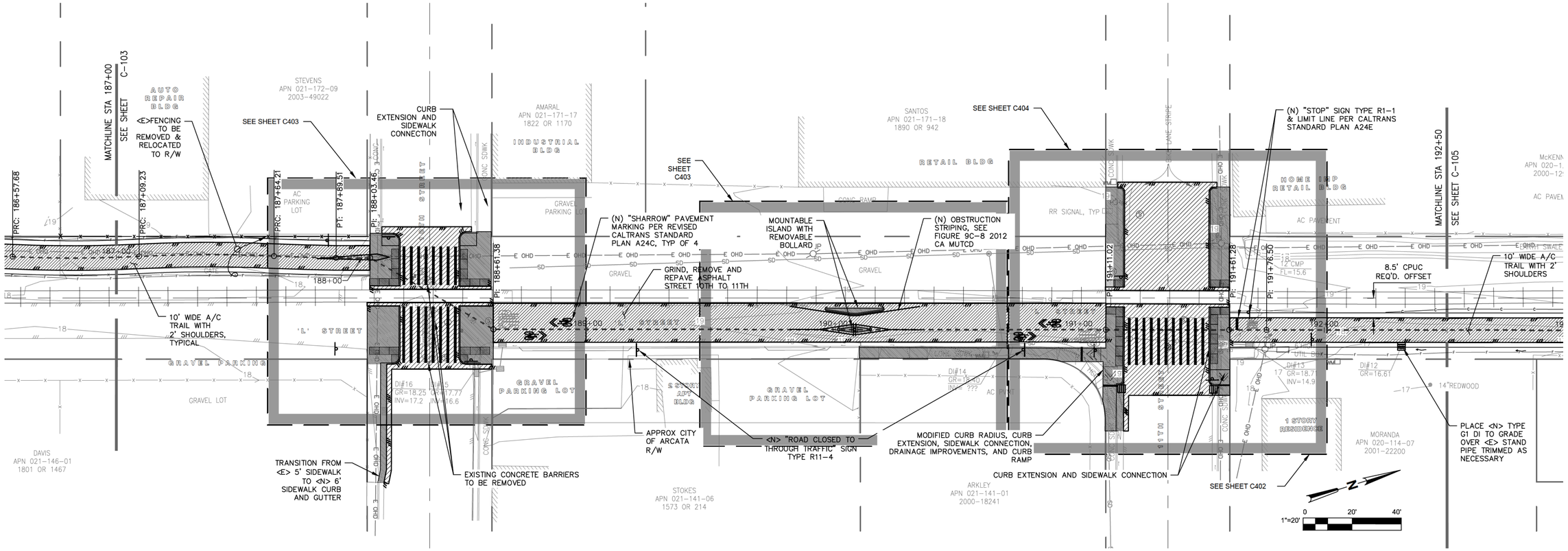
No.	Date	By	Revision
1	1/27/2014	Consuelo Van Gieck	RES/RB/CDV

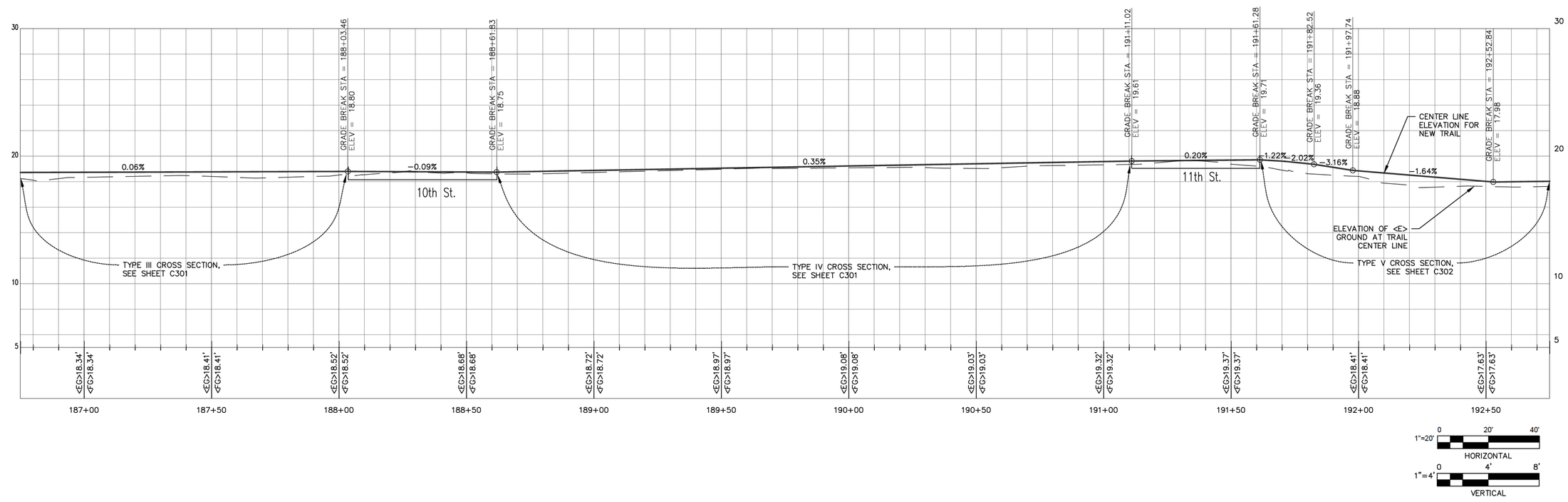
2014 RAILS WITH TRAILS
PHASE ONE

Plan & Profile Sta 181+50 to 187+00

Date 1/27/2014
Scale 1" = 20'
Sheet No. 4 OF 36
Drawing C103

Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_Main_2014-01-27.dwg





CITY OF ARCATA
ENGINEERING DEPARTMENT

PREPARED BY:

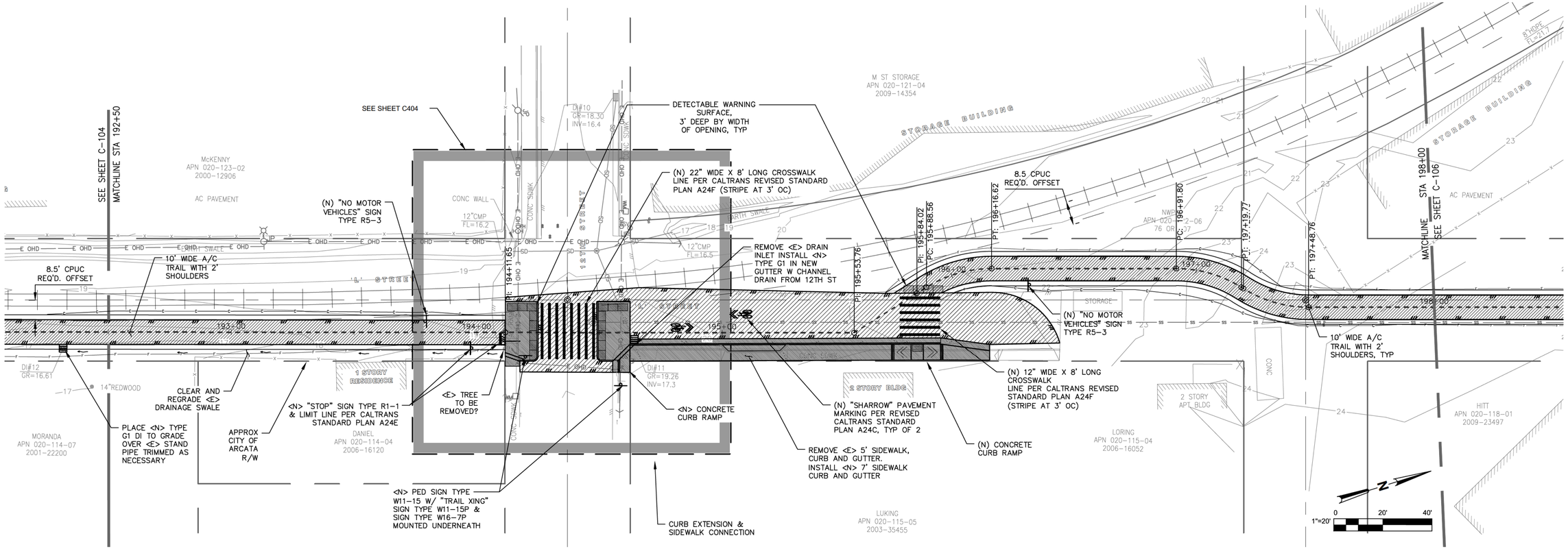
No.	DATE	REVISION
1	1/27/2014	Comments from clients

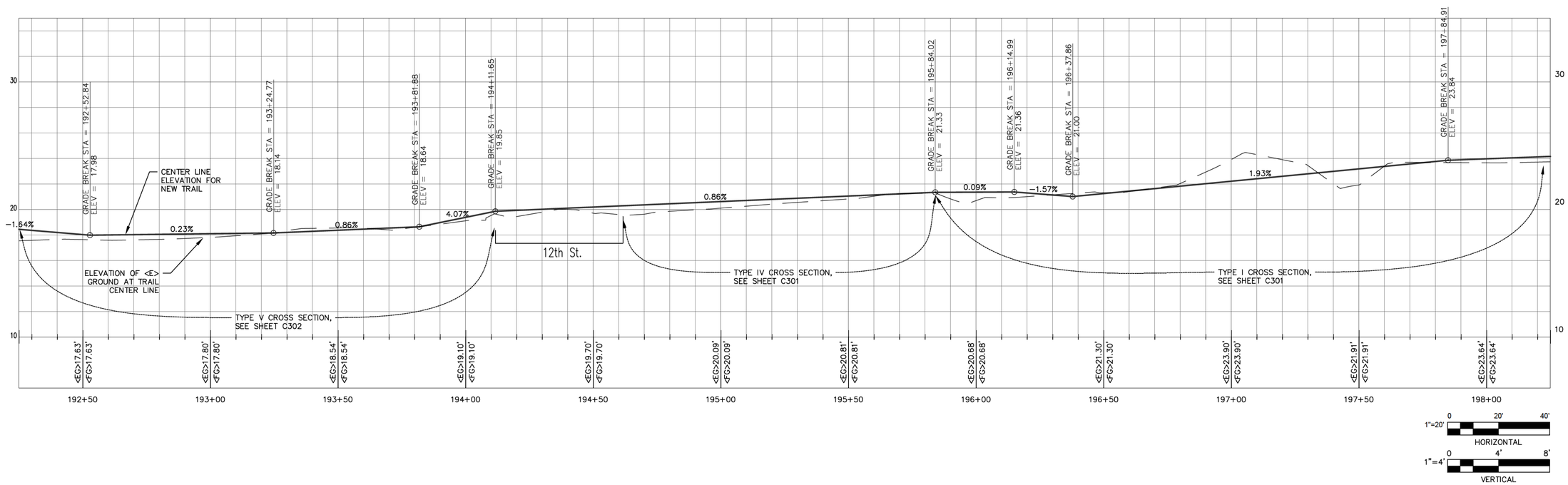
2014 RAILS WITH TRAILS
PHASE ONE

Plan & Profile Sta 187+00 to 192+50

Date	1/27/2014
Scale	1" = 20'
Sheet No.	5 OF 36
Drawing	C104

Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_Main_2014-01-27.dwg





PREPARED BY:

CITY OF ARCATA
ENGINEERING DEPARTMENT

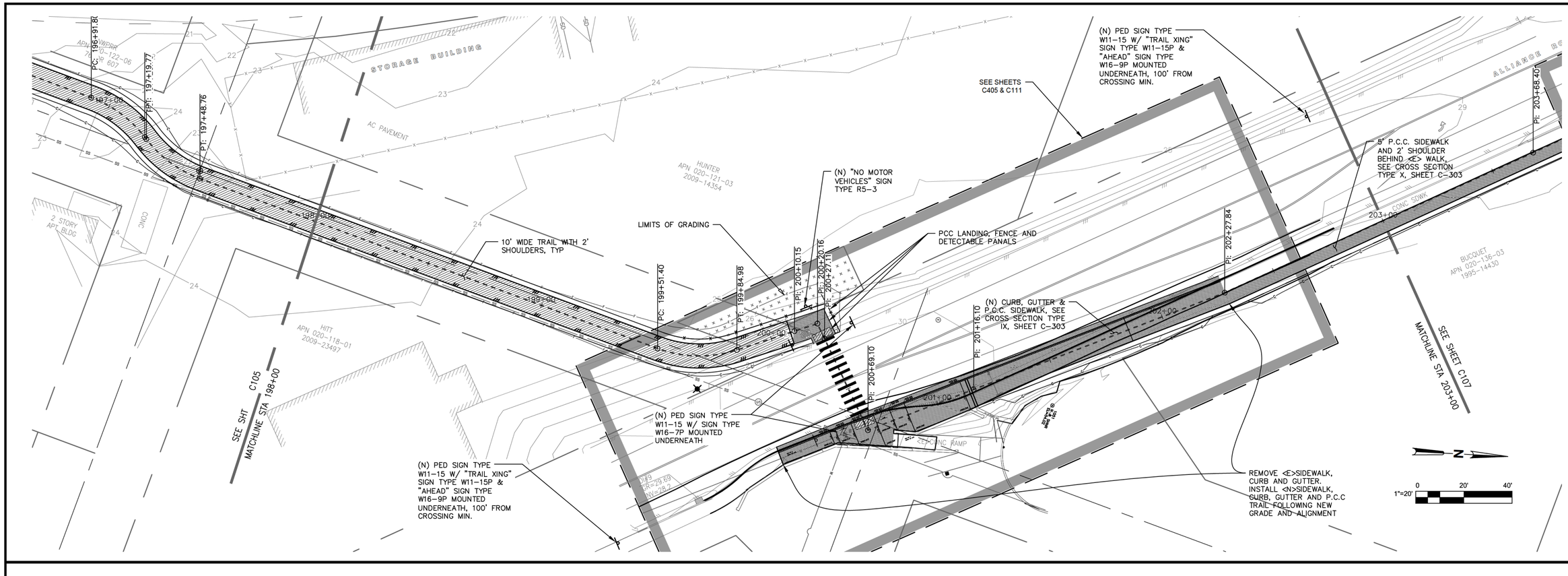
No.	DATE	REVISION
1	1/27/2014	Comments from client.

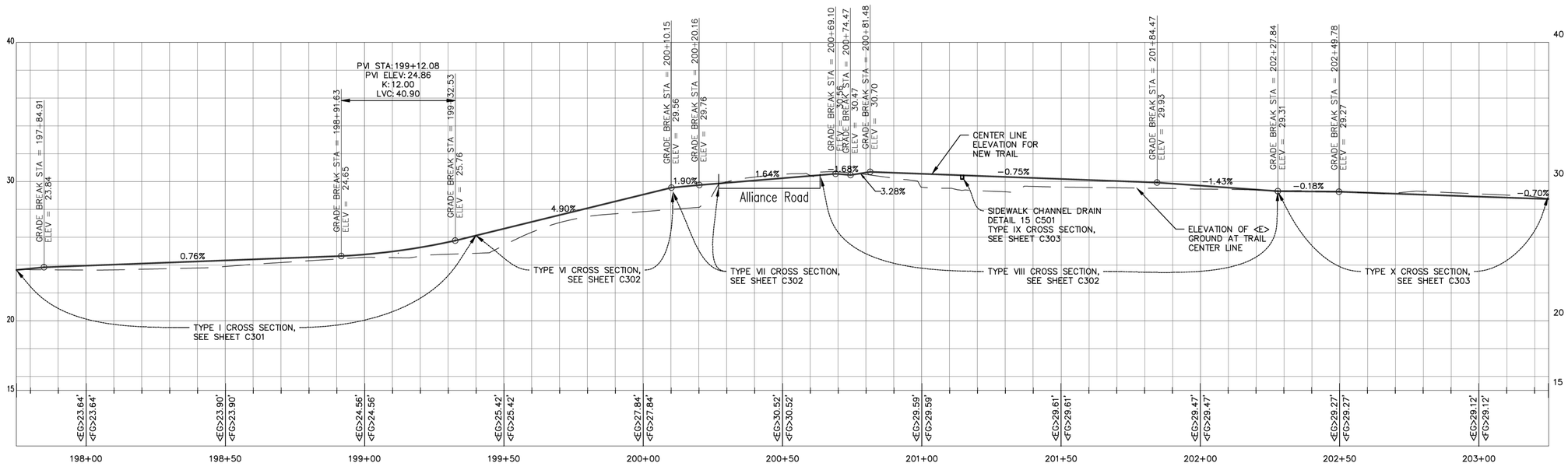
2014 RAILS WITH TRAILS
PHASE ONE

Plan & Profile Sta 192+50 to 198+00

Date 1/27/2014
Scale 1" = 20'
Sheet No. 6 OF 36
Drawing C105

Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_Main_2014-01-27.dwg





PREPARED BY:

CITY OF ARCATA
ENGINEERING DEPARTMENT

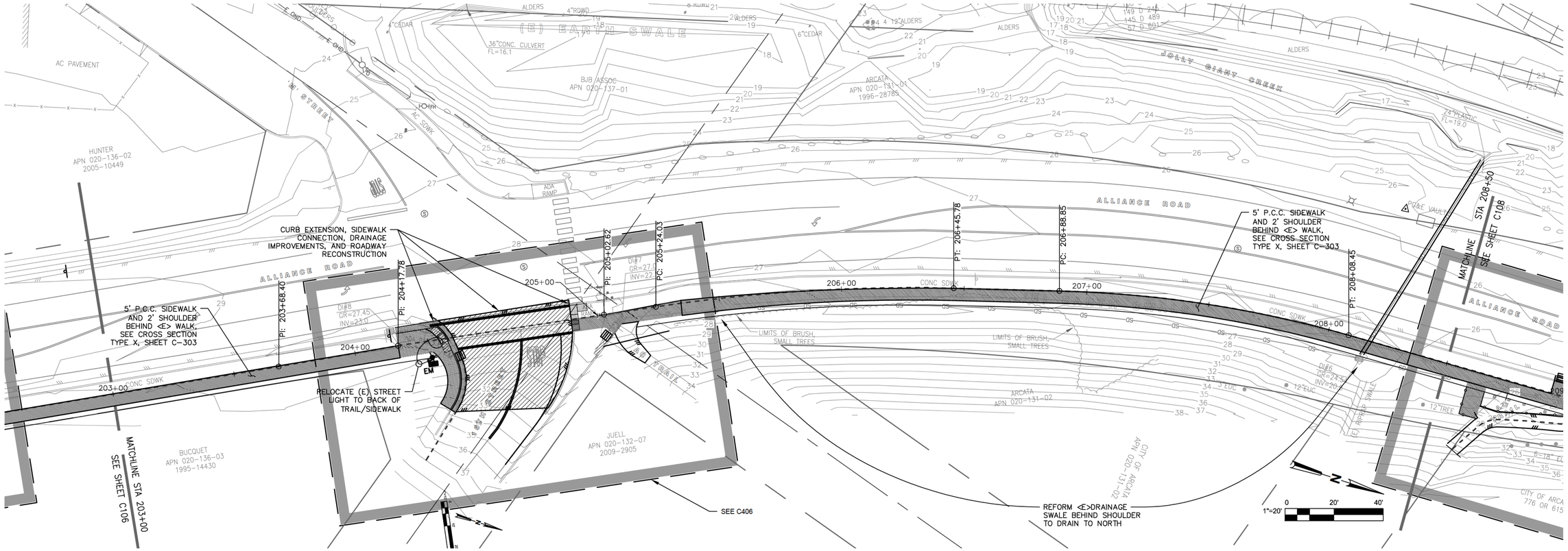
No.	Date	Comments from Users	REVISION
1	1/27/2014		

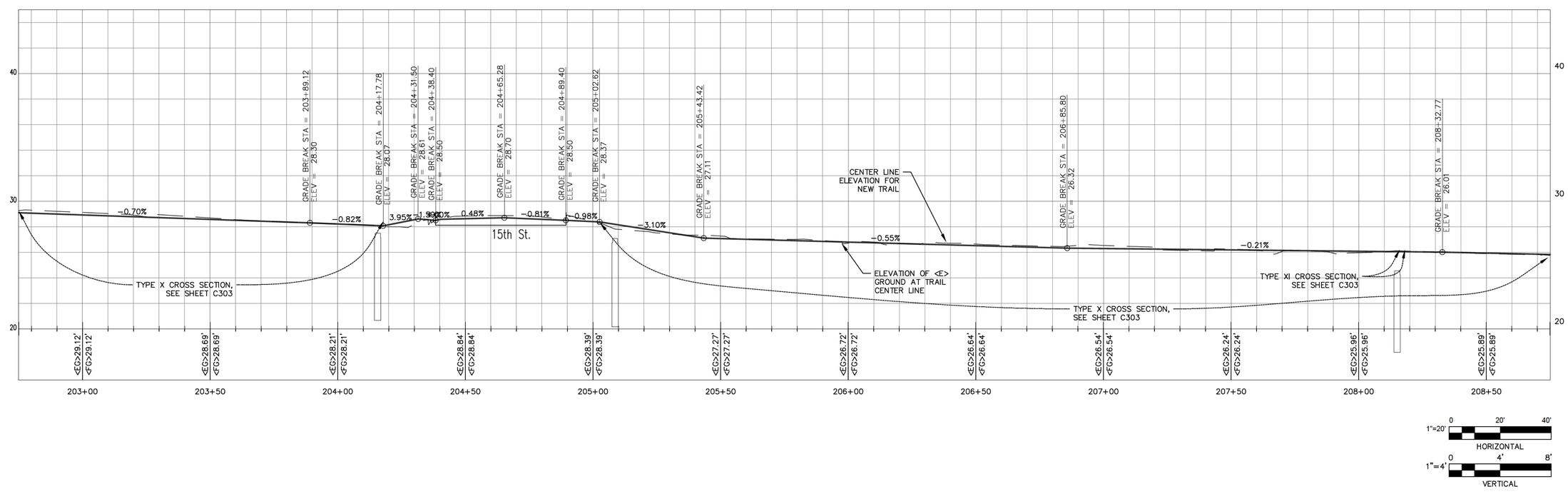
Plan & Profile Sta 198+00 to 203+00

2014 RAILS WITH TRAILS
PHASE ONE

Date	1/27/2014
Scale	1" = 20'
Sheet No.	7 OF 36
Drawing	C106

Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_Main_2014-01-27.dwg





PREPARED BY:

CITY OF ARCATA
ENGINEERING DEPARTMENT

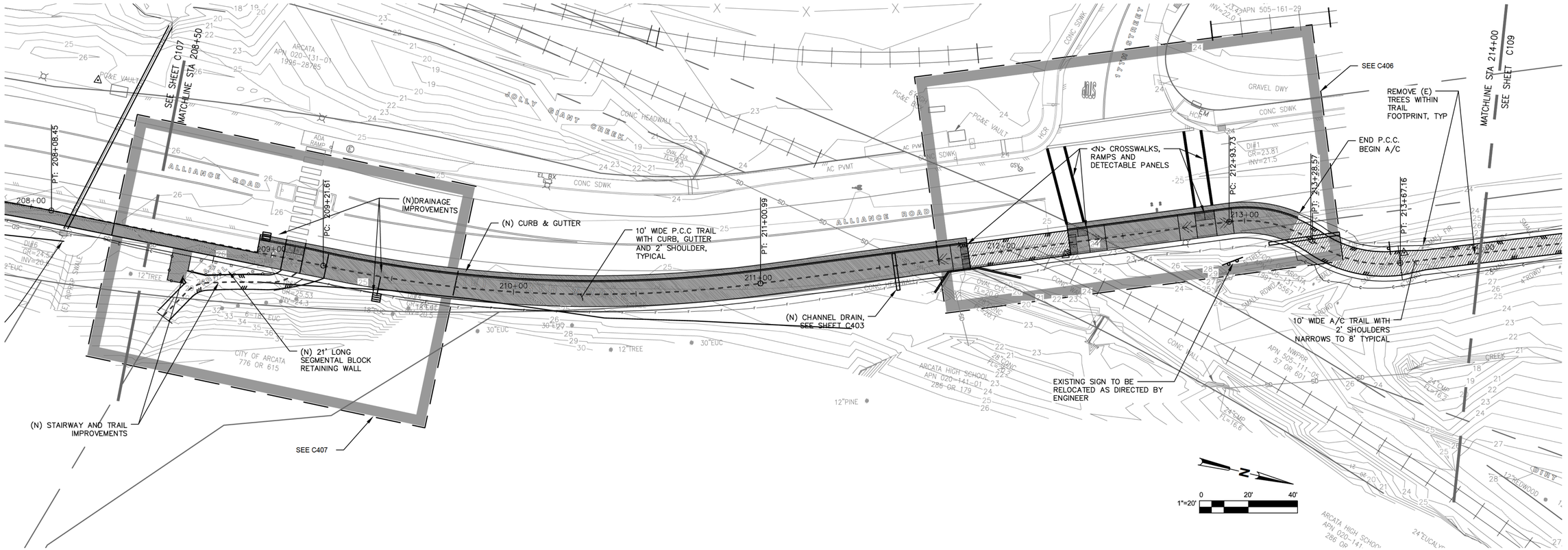
No.	DATE	REVISION
1	1/27/2014	Comments from Caltrans

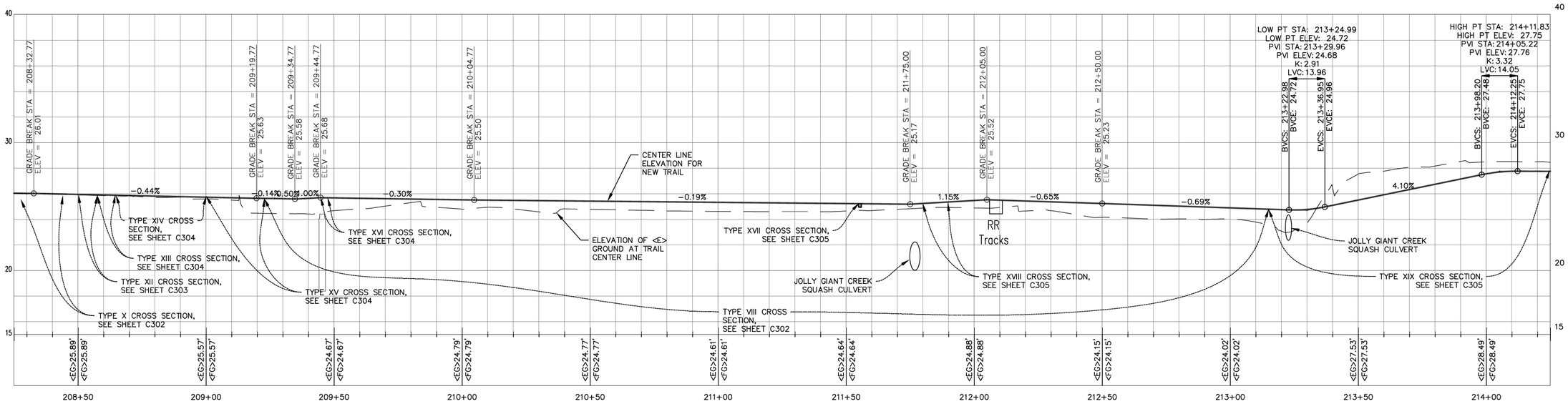
Plan & Profile Sta 203+00 to 208+50

2014 RAILS WITH TRAILS
PHASE ONE

Date	1/27/2014
Scale	1" = 20'
Sheet No.	8 OF 36
Drawing	C107

Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_Main_2014-01-27.dwg





PREPARED BY:

CITY OF ARCATA
ENGINEERING DEPARTMENT

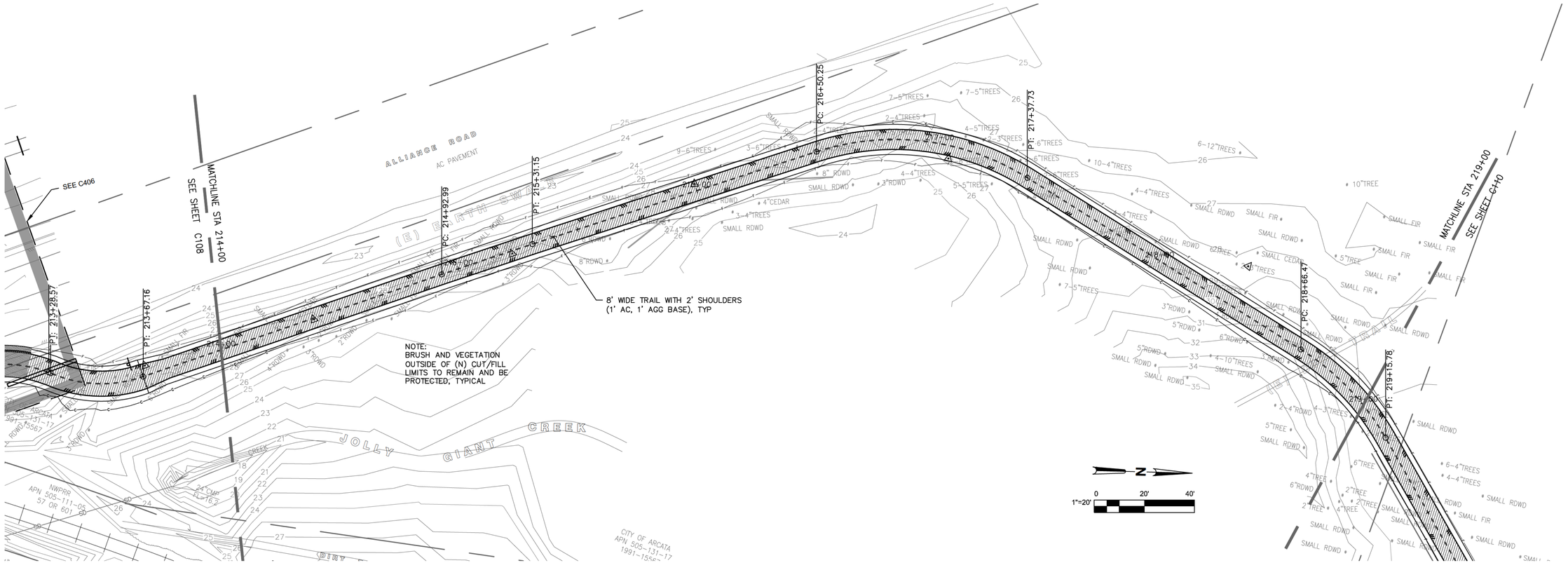
No.	DATE	REVISION
1	1/27/2014	Comments from dept.

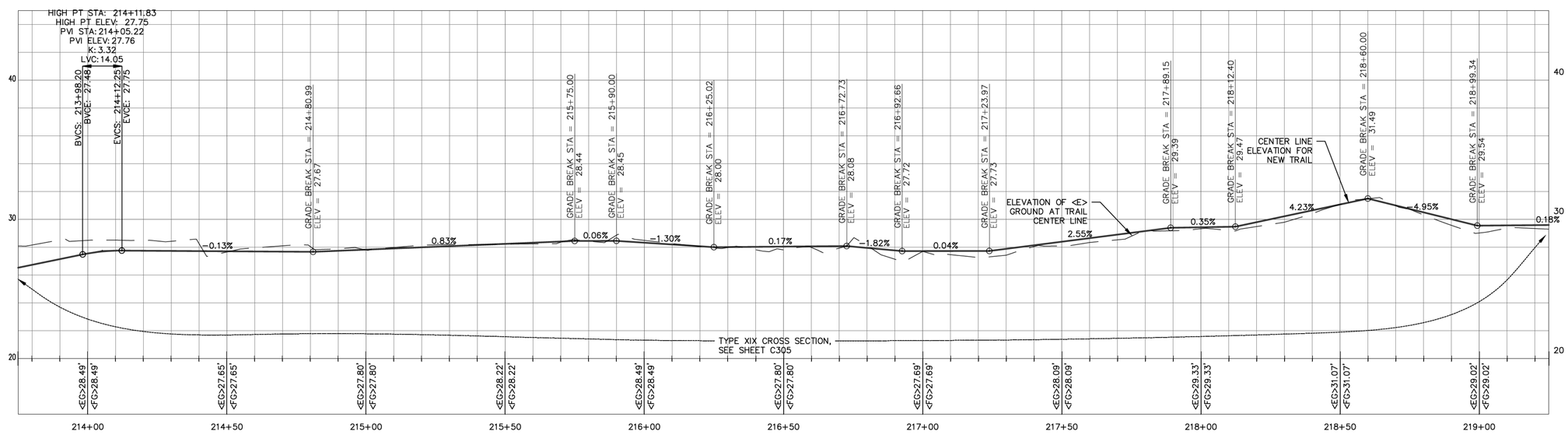
2014 RAILS WITH TRAILS
PHASE ONE

Plan & Profile Sta 208+50 to 214+00

Date 1/27/2014
Scale 1" = 20'
Sheet No. 9 OF 36
Drawing C108

Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_Main_2014-01-27.dwg





PREPARED BY:

CITY OF ARCATA
ENGINEERING DEPARTMENT

No.	Date	Comments from clients	REVISION
1	1/27/2014		

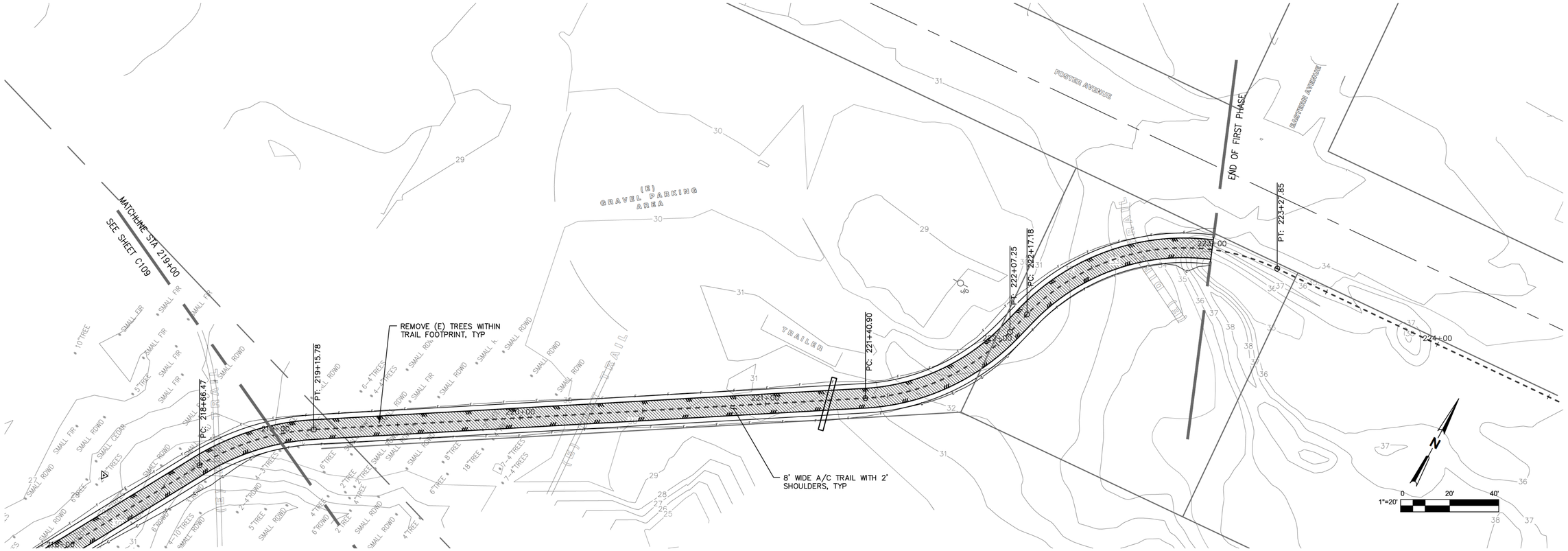
Plan & Profile Sta 214+00 to 219+00

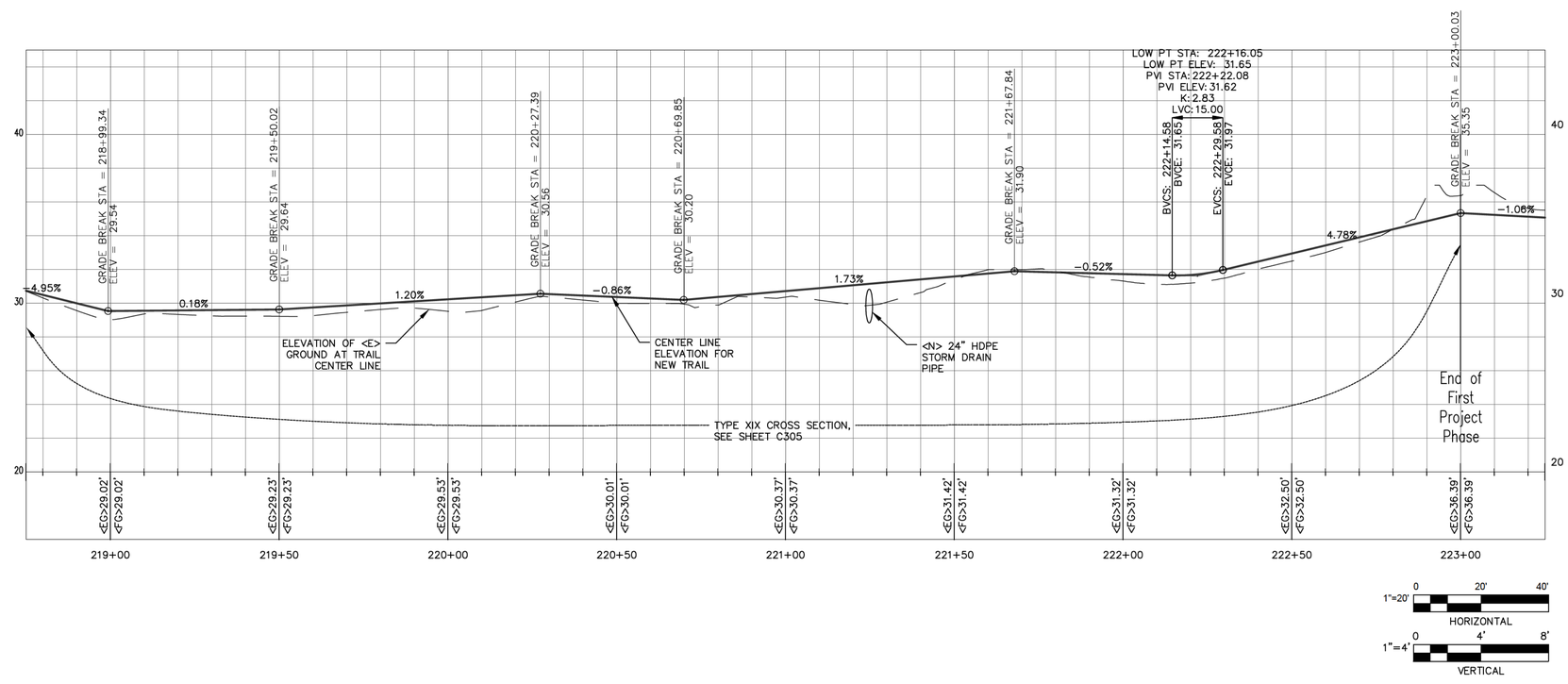
2014 RAILS WITH TRAILS

PHASE ONE

Date	1/27/2014
Scale	1" = 20'
Sheet No.	10 OF 36
Drawing	C109

Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_Main_2014-01-27.dwg





PREPARED BY:

CITY OF ARCATA
ENGINEERING DEPARTMENT

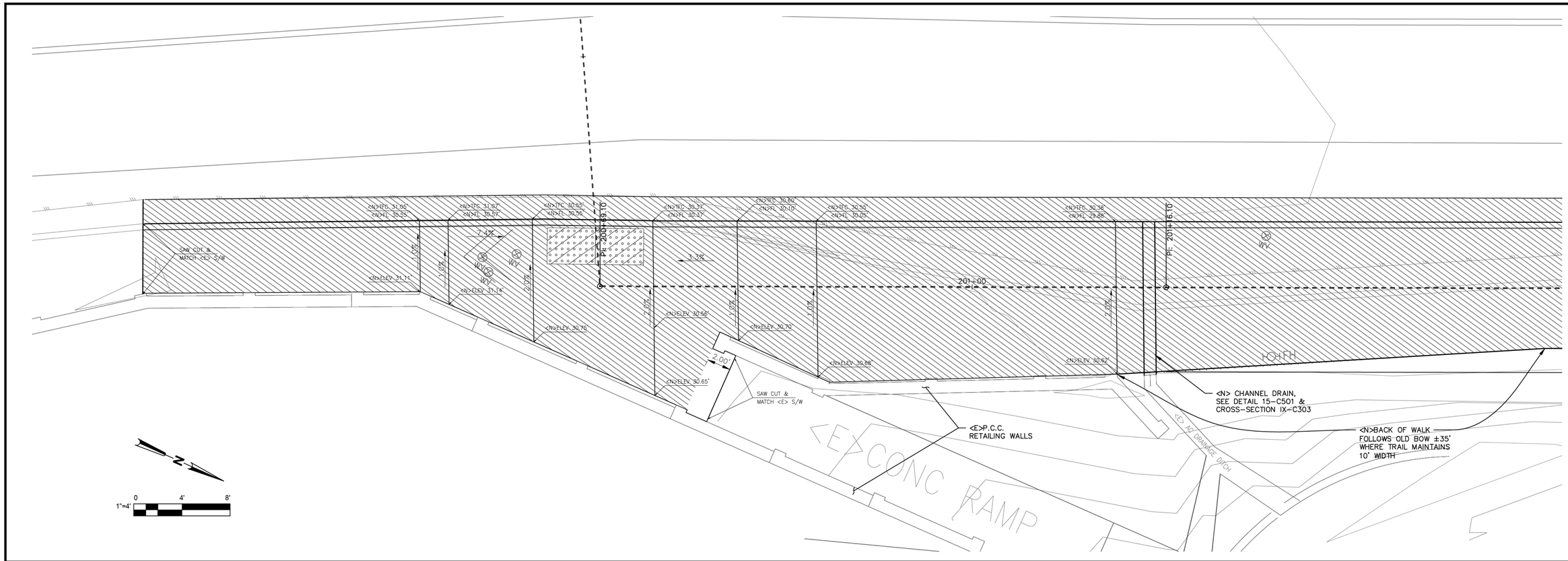
No.	DATE	REVISION
1	1/27/2014	Comments from Caltrans

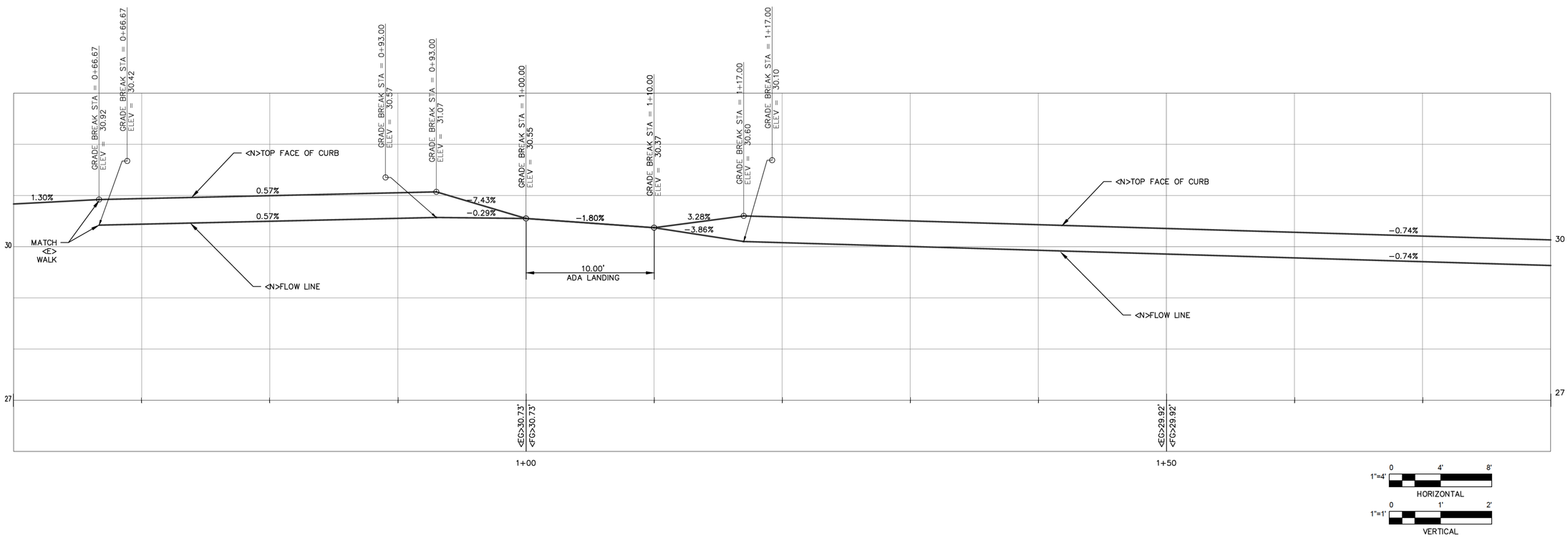
Plan & Profile Sta 219+00 to 223+00

2014 RAILS WITH TRAILS
PHASE ONE

Date	1/27/2014
Scale	1" = 20'
Sheet No.	11 OF 36
Drawing	C110

Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_Main_2014-01-27.dwg





PREPARED BY:

CITY OF ARCATA
ENGINEERING DEPARTMENT

No.	DATE	REVISION
1	1/27/2014	Comments from client.

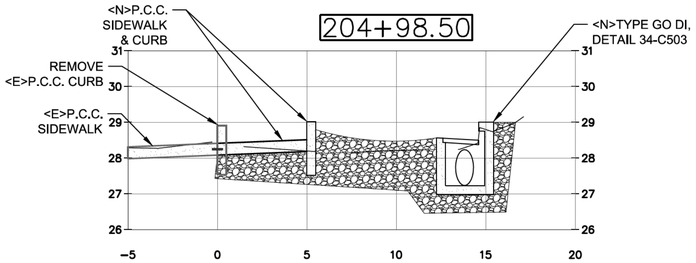
Alliance Road Crossing

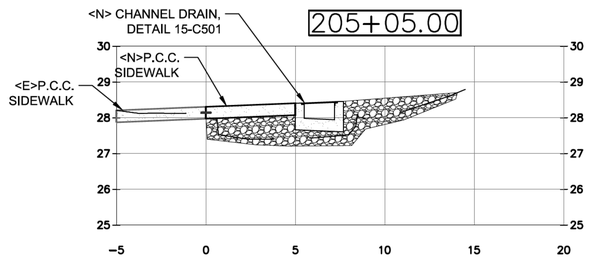
2014 RAILS WITH TRAILS

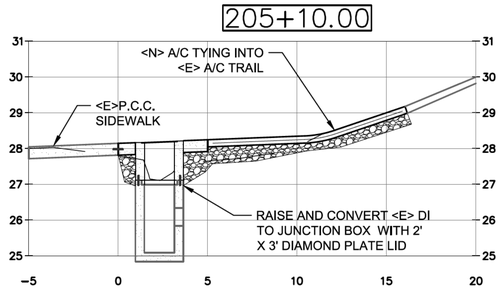
PHASE ONE

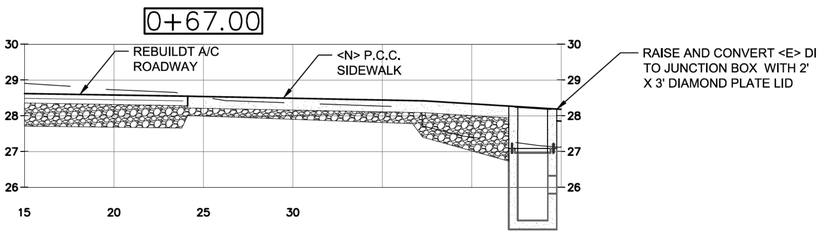
Date	1/27/2014
Scale	1" = 4'
Sheet No.	12 OF 36
Drawing	C111

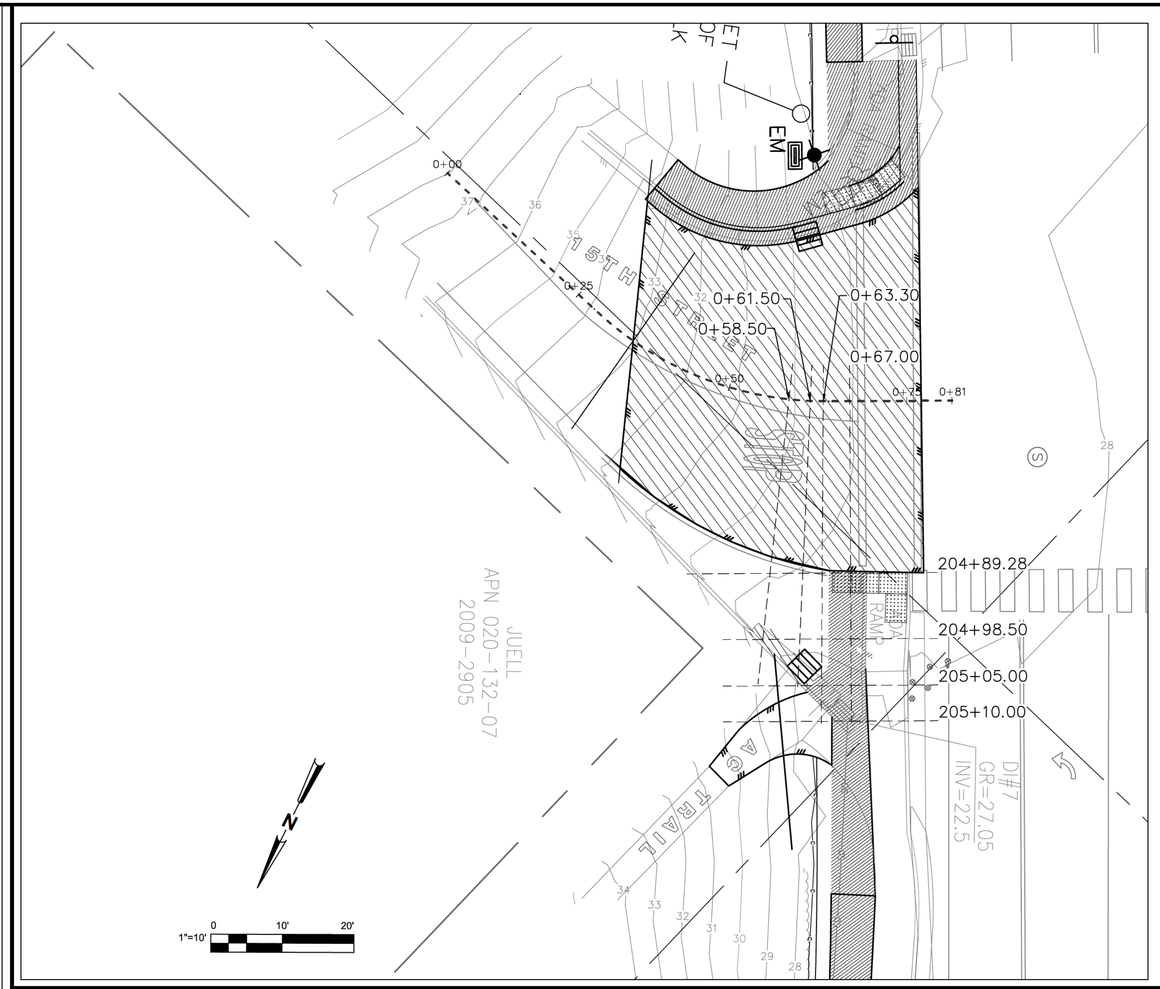
Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_Main_2014-01-27.dwg

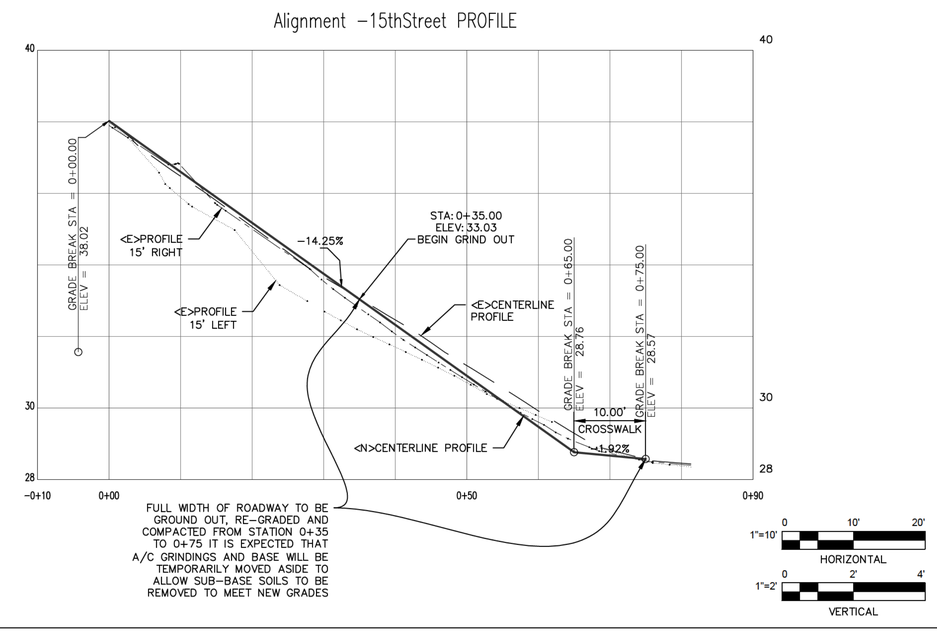












City of Arcata

PREPARED BY:

CITY OF ARCATA
ENGINEERING DEPARTMENT

No.	Date	Comments from dept.	REVISION
1	1/27/2014	DATE	

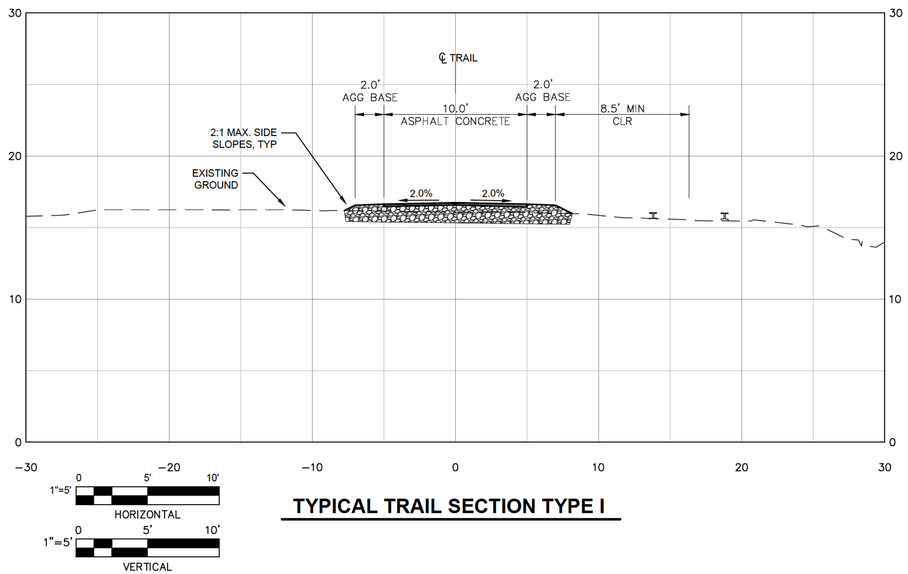
Alliance Road Crossing

2014 RAILS WITH TRAILS
PHASE ONE

Date 1/27/2014
Scale 1" = 10'
Sheet No. 13 OF 36
Drawing C112

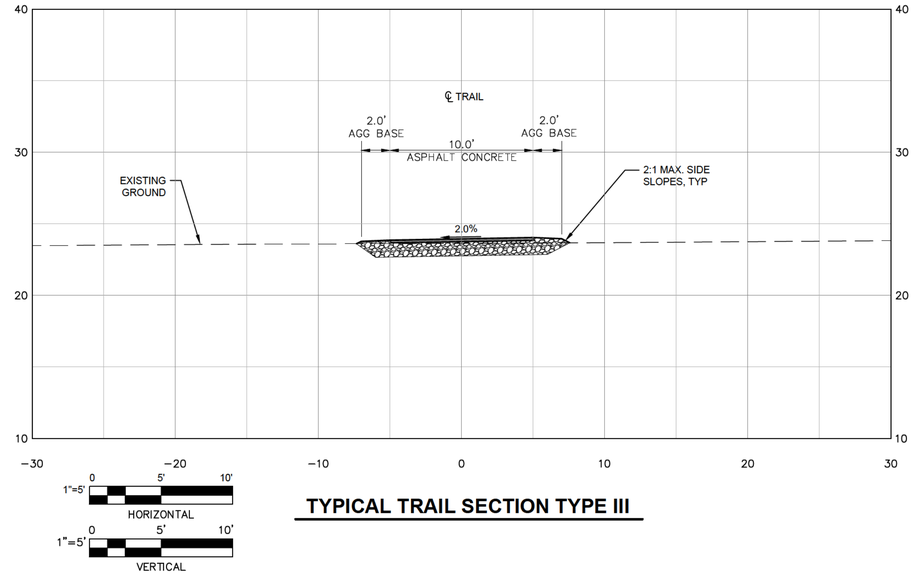
Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_Main_2014-01-27.dwg

2013 RAILS WITH TRAILS
(CUT AT STATION 171+00)



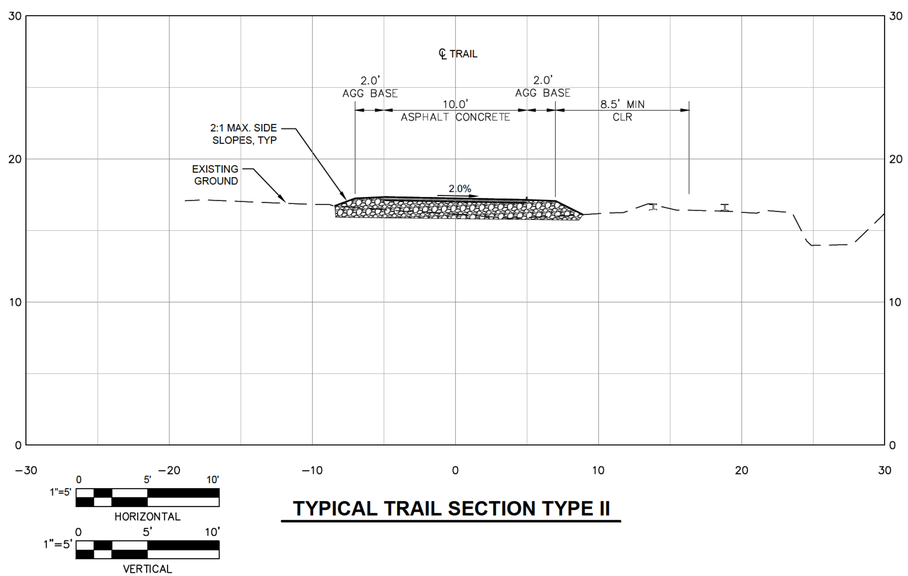
TYPICAL TRAIL SECTION TYPE I

2013 RAILS WITH TRAILS
(CUT AT STATION 198+00)



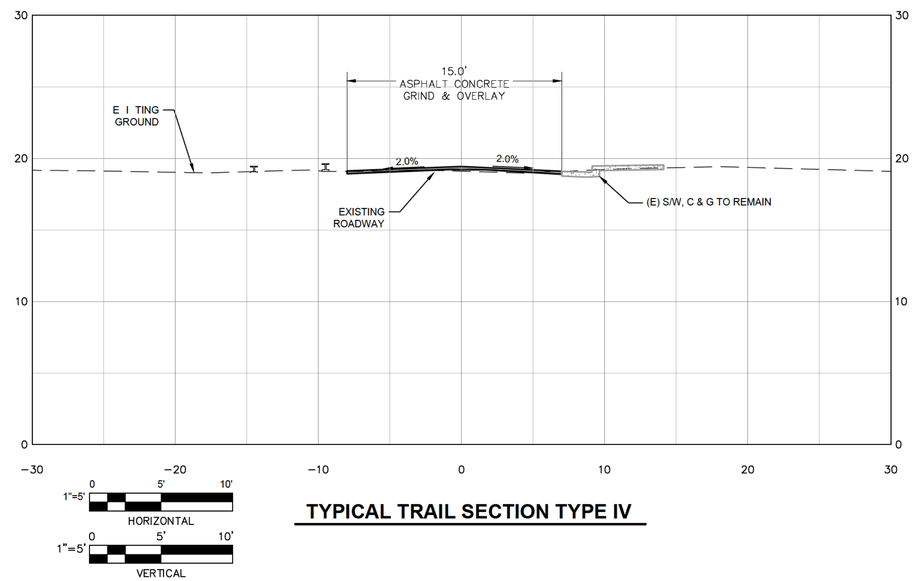
TYPICAL TRAIL SECTION TYPE III

2013 RAILS WITH TRAILS
(CUT AT STATION 175+01)



TYPICAL TRAIL SECTION TYPE II

2013 RAILS WITH TRAILS
(CUT AT STATION 190+08)



TYPICAL TRAIL SECTION TYPE IV

PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

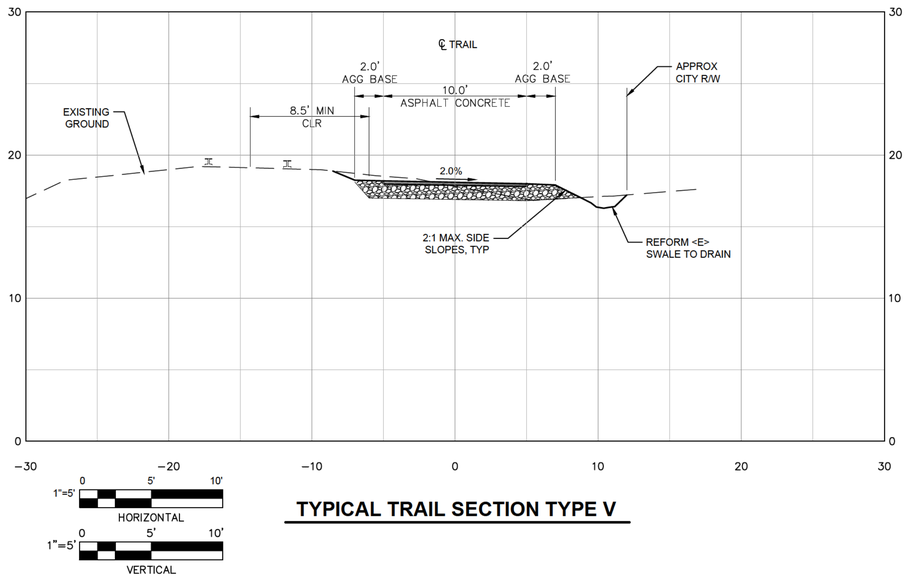
NO.	DATE	REVISION	BY

CROSS SECTIONS
2014 RAILS WITH TRAILS
PHASE ONE

Date	1/27/2014
Scale	1" = 5'
Sheet No.	14 OF 36
Drawing	C301

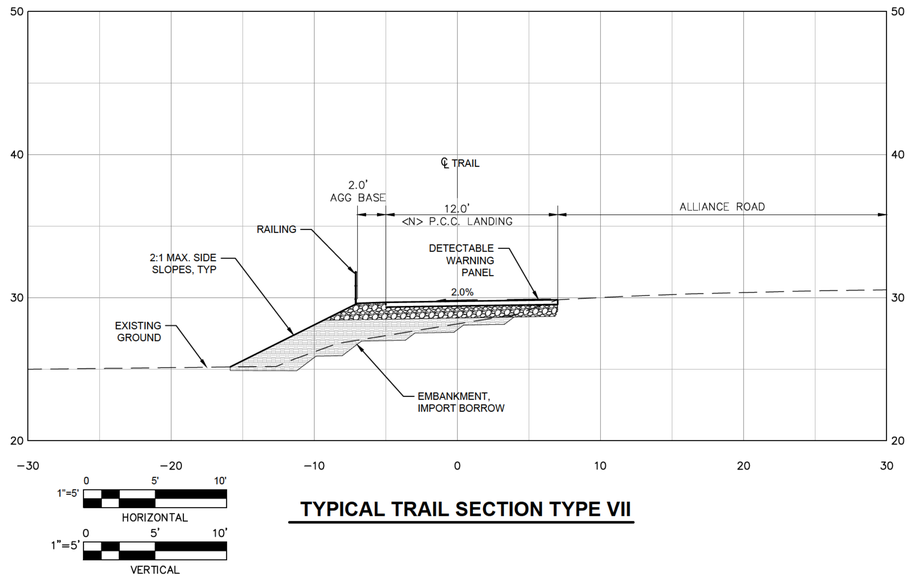
Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_X-Sect_2014-01-27.dwg

2013 RAILS WITH TRAILS
(CUT AT STATION 193+00)



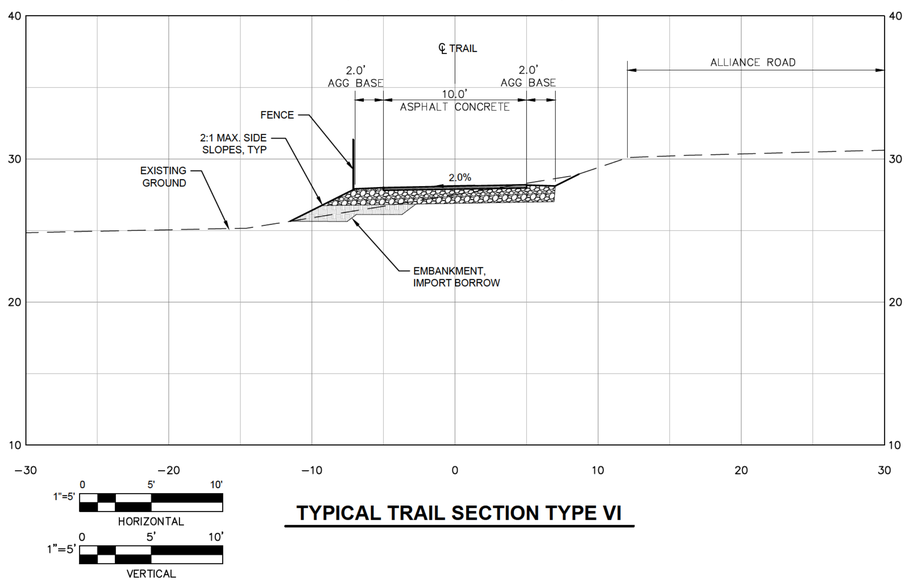
TYPICAL TRAIL SECTION TYPE V

2013 RAILS WITH TRAILS
(CUT AT STATION 200+20)



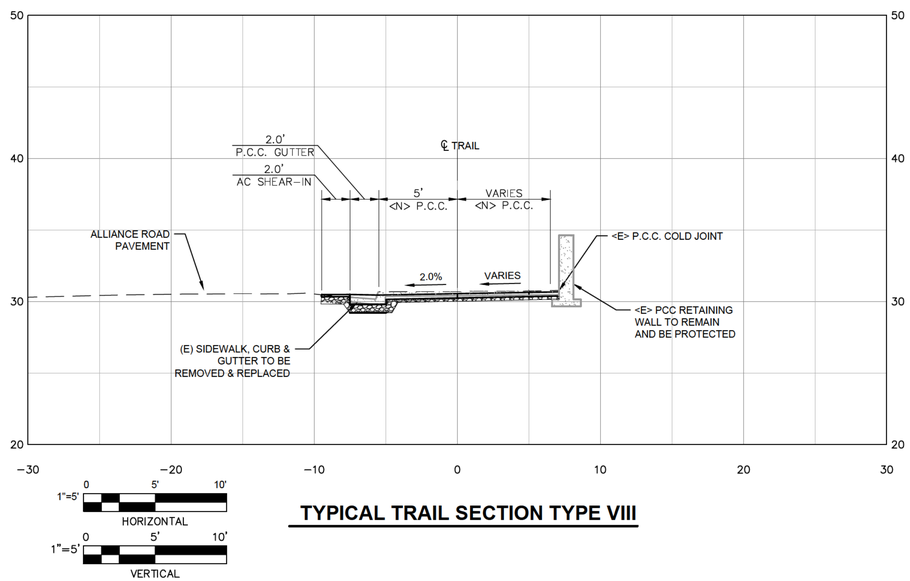
TYPICAL TRAIL SECTION TYPE VII

2013 RAILS WITH TRAILS
(CUT AT STATION 199+80)



TYPICAL TRAIL SECTION TYPE VI

2013 RAILS WITH TRAILS
(CUT AT STATION 200+70)



TYPICAL TRAIL SECTION TYPE VIII

City of Arcata

PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

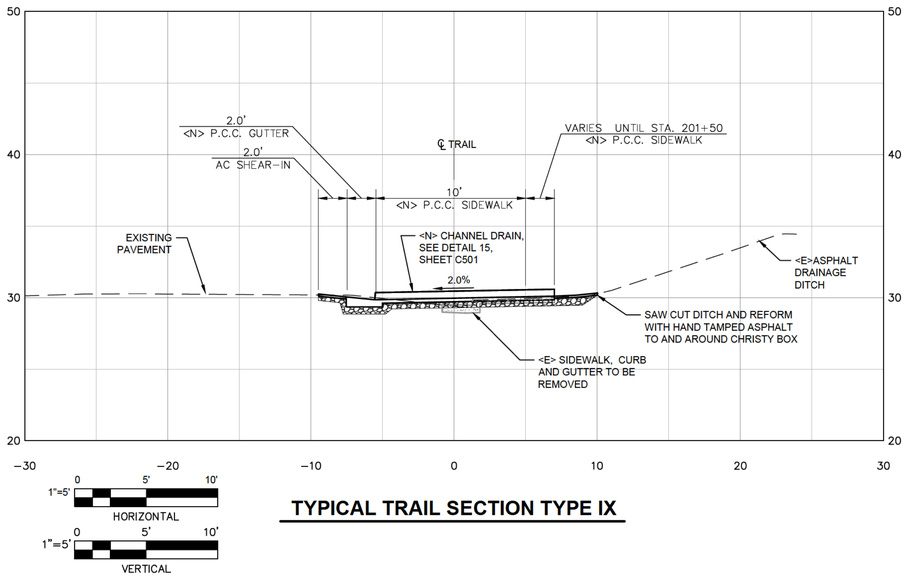
No.	DATE	REVISION	BY

Cross Sections
2014 RAILS WITH TRAILS
PHASE ONE

Date 1/27/2014
Scale 1" = 5'
Sheet No. 15 OF 36
Drawing C302

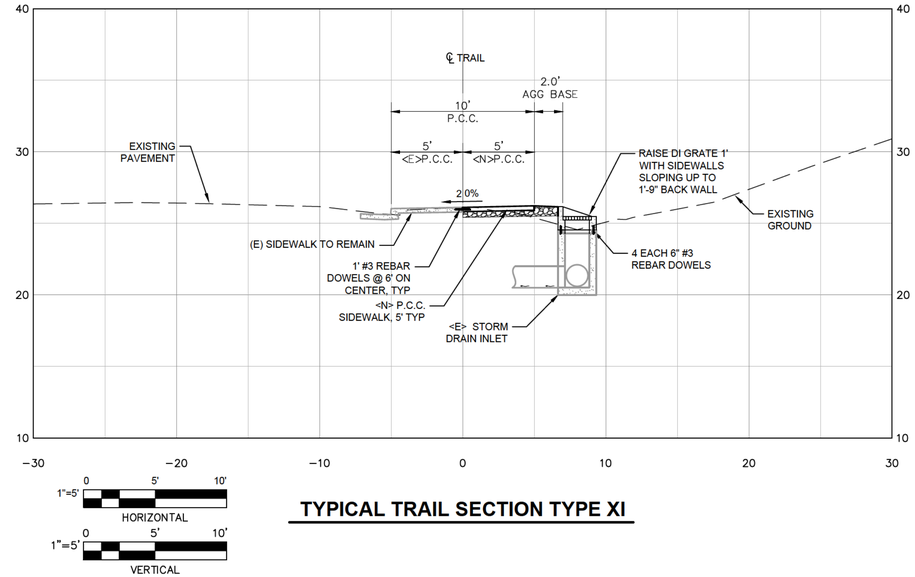
Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_X-Sect_2014-01-27.dwg

2013 RAILS WITH TRAILS
(CUT AT STATION 201+15)



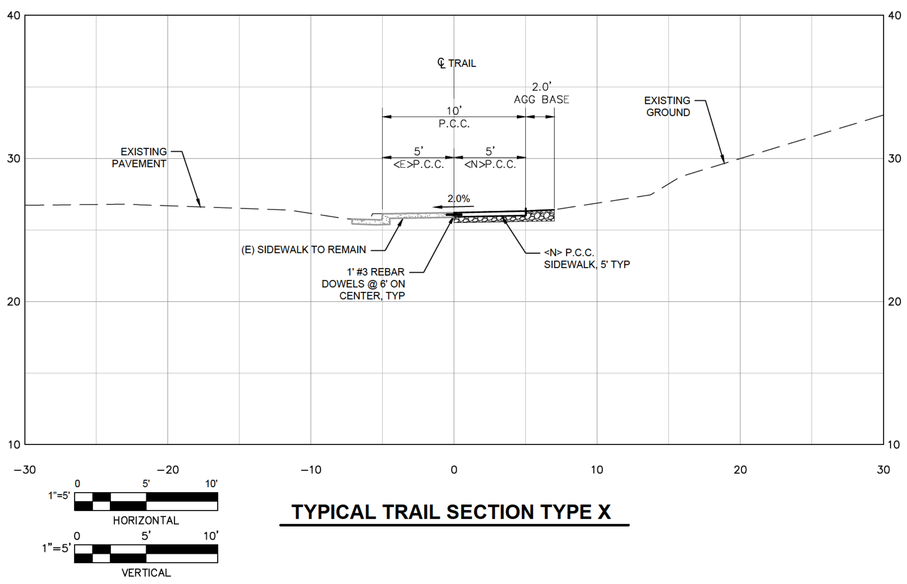
TYPICAL TRAIL SECTION TYPE IX

2013 RAILS WITH TRAILS
(CUT AT STATION 208+15)



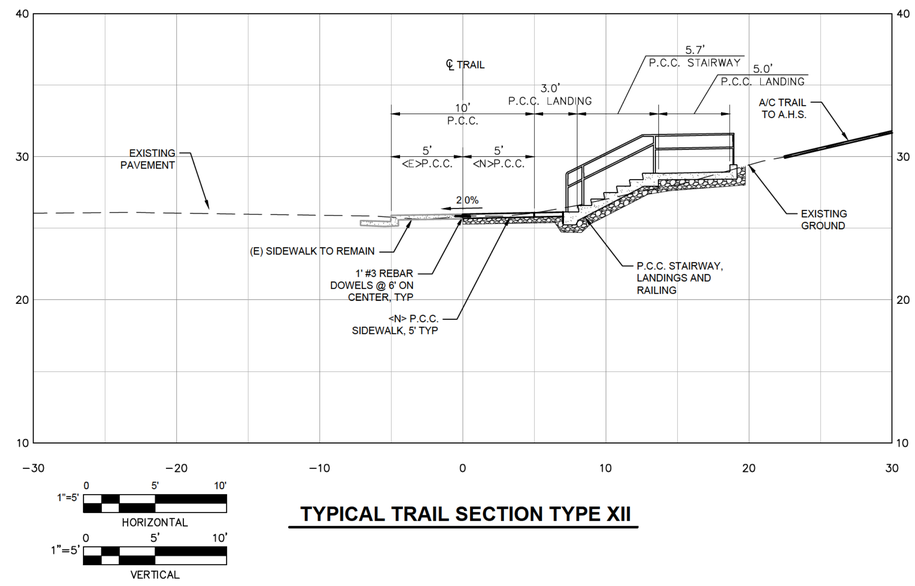
TYPICAL TRAIL SECTION TYPE XI

2013 RAILS WITH TRAILS
(CUT AT STATION 207+55)



TYPICAL TRAIL SECTION TYPE X

2013 RAILS WITH TRAILS
(CUT AT STATION 208+65)



TYPICAL TRAIL SECTION TYPE XII

PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

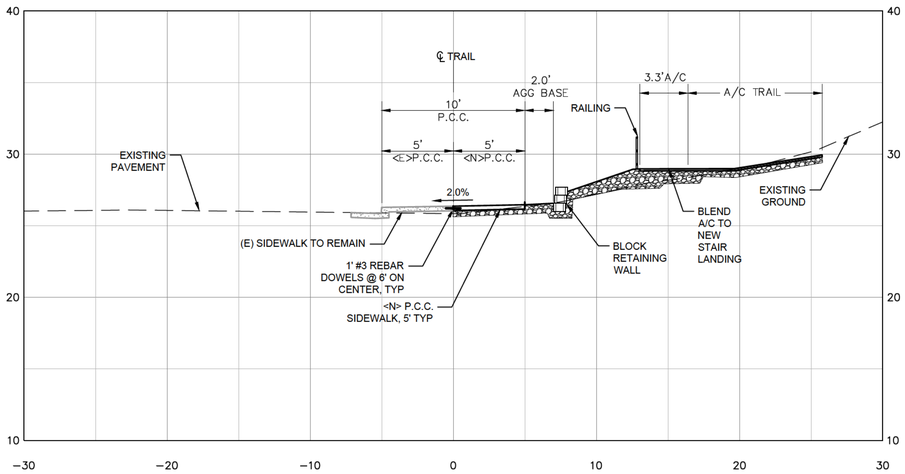
NO.	DATE	REVISION	BY

Cross Sections
2014 RAILS WITH TRAILS
PHASE ONE

Date	1/27/2014
Scale	1" = 5'
Sheet No.	16 OF 36
Drawing	C303

Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_X-Sect_2014-01-27.dwg

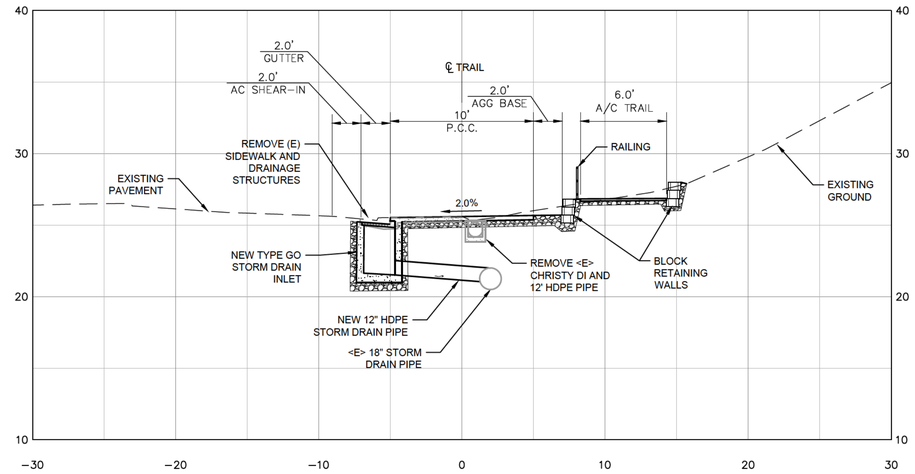
2013 RAILS WITH TRAILS
(CUT AT STATION 208+70)



1"=5' 0 5' 10' HORIZONTAL
1"=5' 0 5' 10' VERTICAL

TYPICAL TRAIL SECTION TYPE XIII

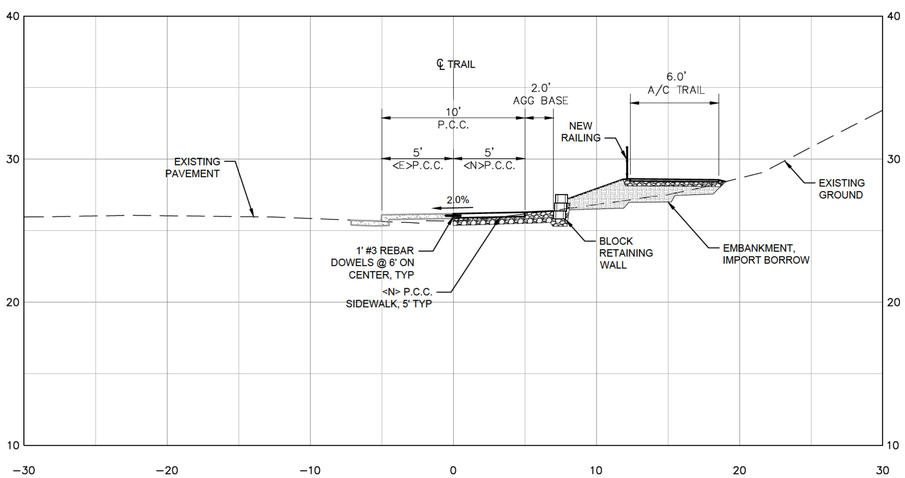
2013 RAILS WITH TRAILS
(CUT AT STATION 209+00)



1"=5' 0 5' 10' HORIZONTAL
1"=5' 0 5' 10' VERTICAL

TYPICAL TRAIL SECTION TYPE XV

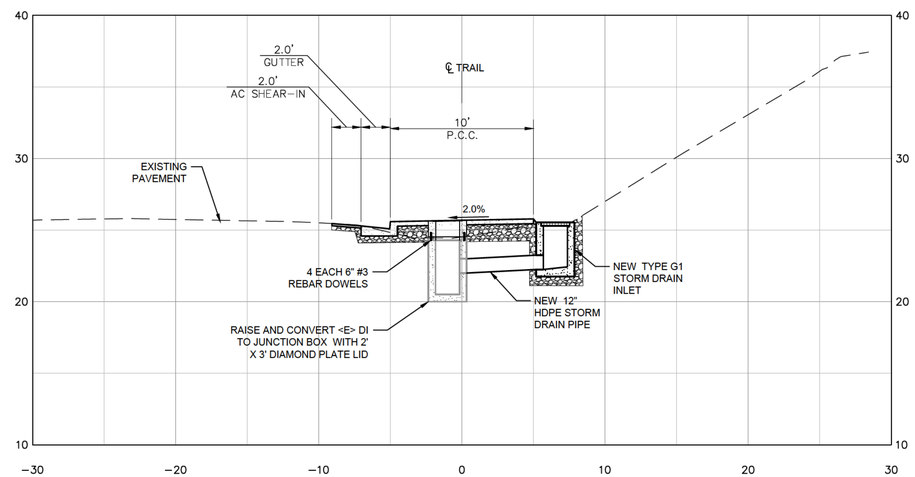
2013 RAILS WITH TRAILS
(CUT AT STATION 208+80)



1"=5' 0 5' 10' HORIZONTAL
1"=5' 0 5' 10' VERTICAL

TYPICAL TRAIL SECTION TYPE XIV

2013 RAILS WITH TRAILS
(CUT AT STATION 209+45)



1"=5' 0 5' 10' HORIZONTAL
1"=5' 0 5' 10' VERTICAL

TYPICAL TRAIL SECTION TYPE XVI

PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

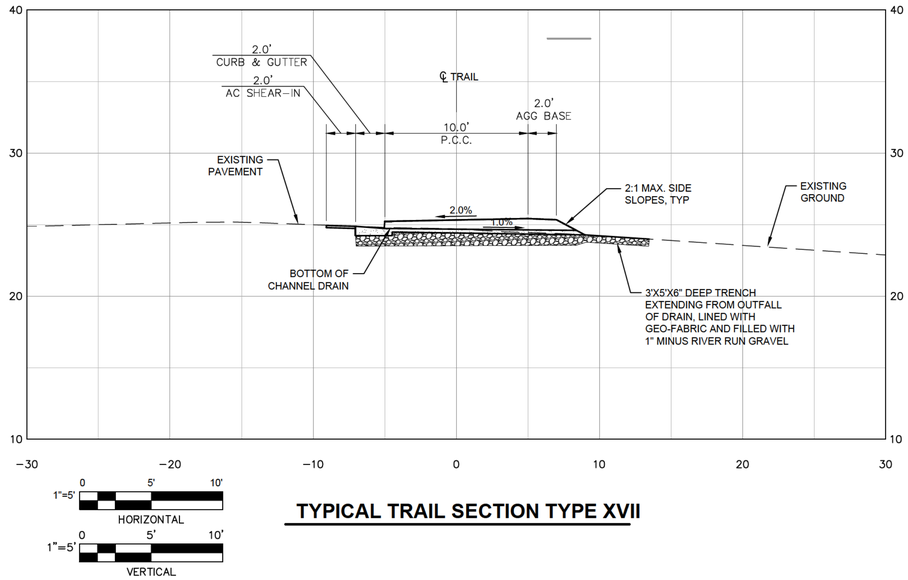
NO.	DATE	REVISION	BY

Cross Sections
2014 RAILS WITH TRAILS
PHASE ONE

Date 1/27/2014
Scale 1" = 5'
Sheet No. 17 OF 36
Drawing C304

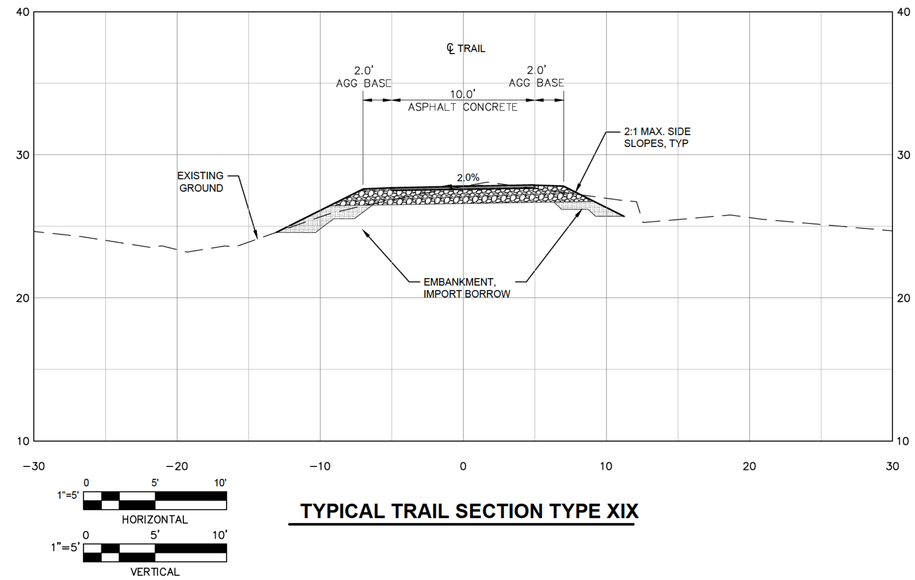
Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_X-Sect_2014-01-27.dwg

2013 RAILS WITH TRAILS
(CUT AT STATION 211+55)



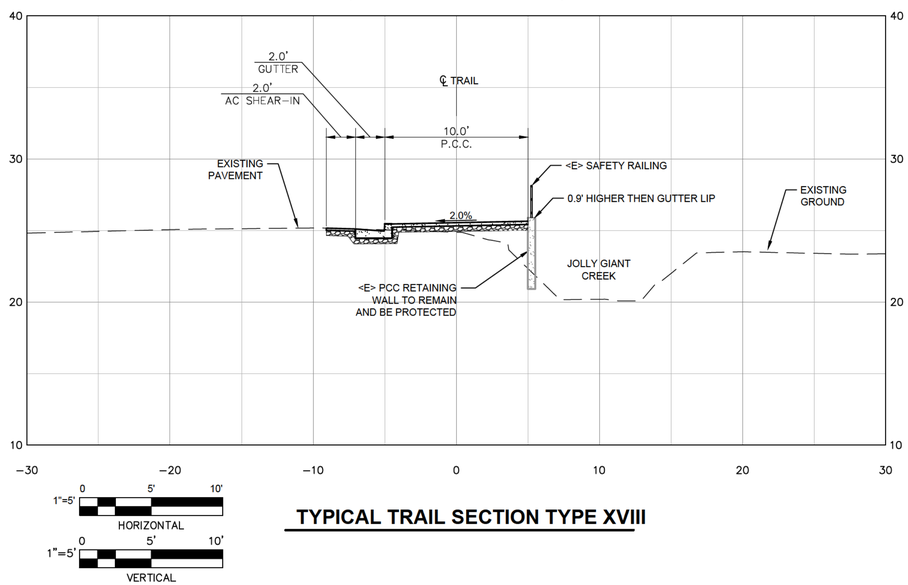
TYPICAL TRAIL SECTION TYPE XVII

2013 RAILS WITH TRAILS
(CUT AT STATION 215+00)

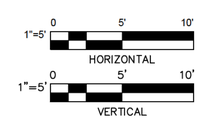


TYPICAL TRAIL SECTION TYPE XIX

2013 RAILS WITH TRAILS
(CUT AT STATION 211+80)



TYPICAL TRAIL SECTION TYPE XVIII



TYPICAL TRAIL SECTION TYPE XX

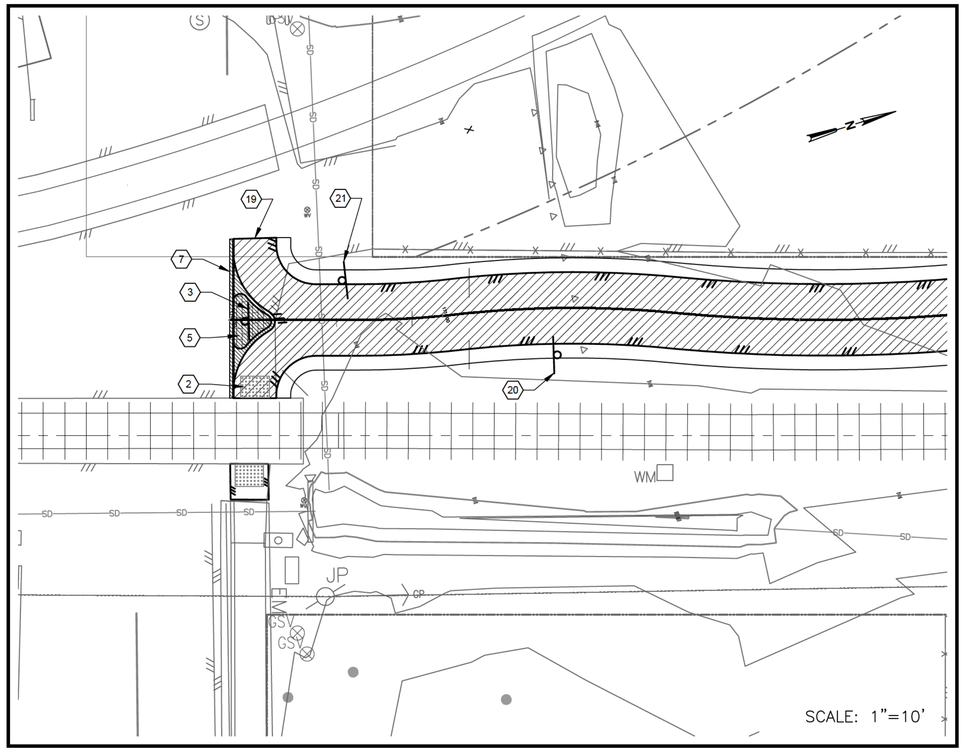
PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

NO.	DATE	REVISION	BY

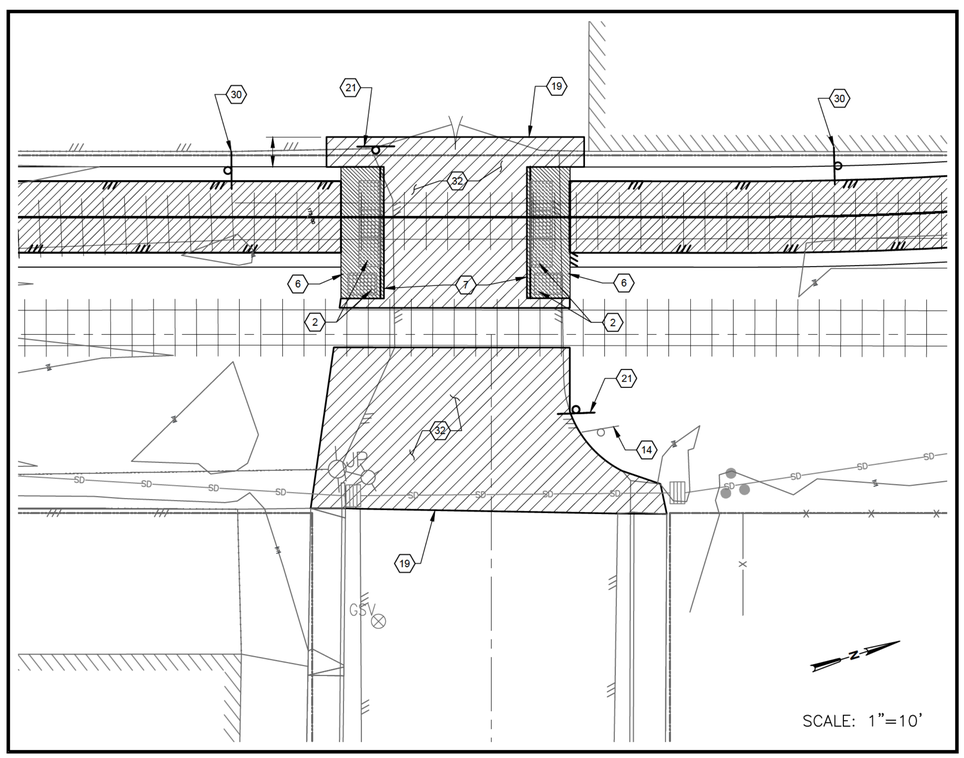
Cross Sections
2014 RAILS WITH TRAILS
PHASE ONE

Date 1/27/2014
Scale 1" = 5'
Sheet No. 18 OF 36
Drawing C305

Plotted By:Terry Barney Plot Date: 1/31/2014 C3D_RwT_X-Sect_2014-01-27.dwg



U.S. 255 & L ST.



5TH ST. & L ST.

KEYNOTES

1. (N) PED SIGN TYPE W11-15 W/ "TRAIL XING" SIGN TYPE W11-15P & SIGN TYPE W16-7P MOUNTED UNDERNEATH.
2. (N) DETECTABLE WARNING SURFACE, 10' WIDE BY 3' DEEP PER DETAIL - 26 / C502.
4. (N) 12" WIDE BY 10' LONG WHITE CROSSWALK LINE PER CALTRANS REVISED STANDARD PLAN A24F (STRIPE AT 3' O.C.), TYP. ACROSS ALLIANCE ROAD.
6. (N) CONCRETE SIDEWALK PER DETAIL - 10 / C501.
7. (N) CURB PER DETAIL - 46 / C505.
10. ADJUST (E) MANHOLE COVER TO GRADE PER DETAIL - 30 / C503.
14. (E) SIGN TO BE REMOVED & SALVAGED TO CITY.
19. CONFORM TO (E) AC PER DETAIL - 45 / C505.
21. (N) "STOP" SIGN, TYPE R1-1.
22. (N) LIMIT LINE PER CALTRANS STANDARD PLAN SHEET A24E.
23. (N) CONCRETE CURB RAMP PER DETAIL -
26. (N) "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
30. (N) "NO MOTOR VEHICLES" SIGN TYPE R5-3.
31. (N) "SHARROW" PAVEMENT MARKING PER REVISED CALTRANS STANDARD PLAN SHEET A24C.
32. (N) TRUCK RATED ASPHALT STRUCTURAL SECTION, DETAIL - 13 / C501.

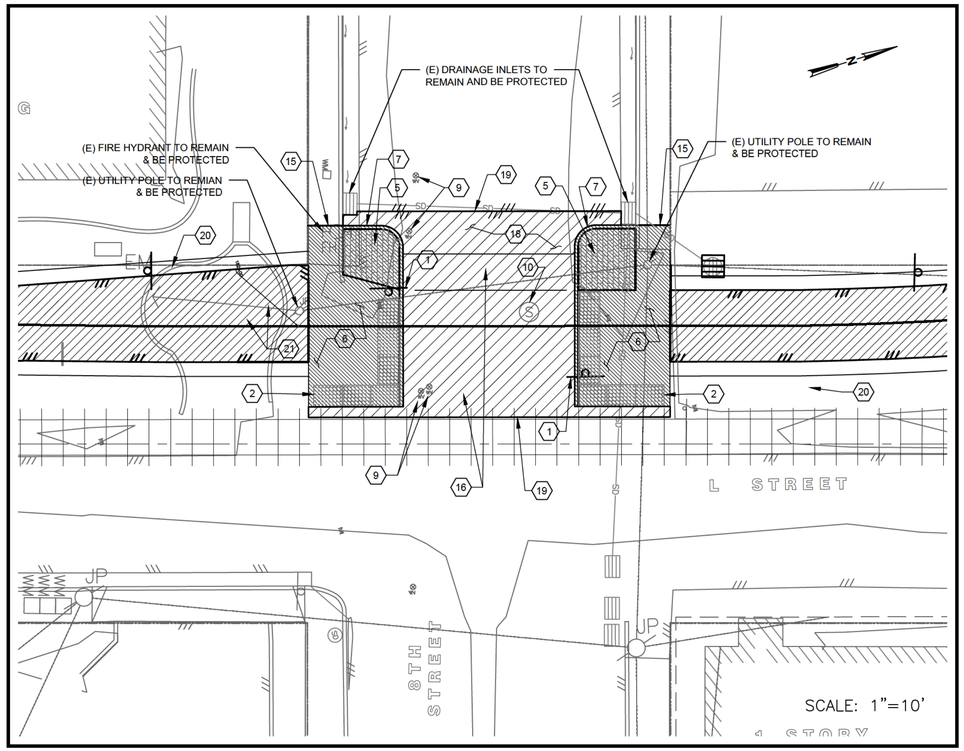
PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

No.	DATE	REVISION	BY
1	1/30/2014	Comments from client	CRB

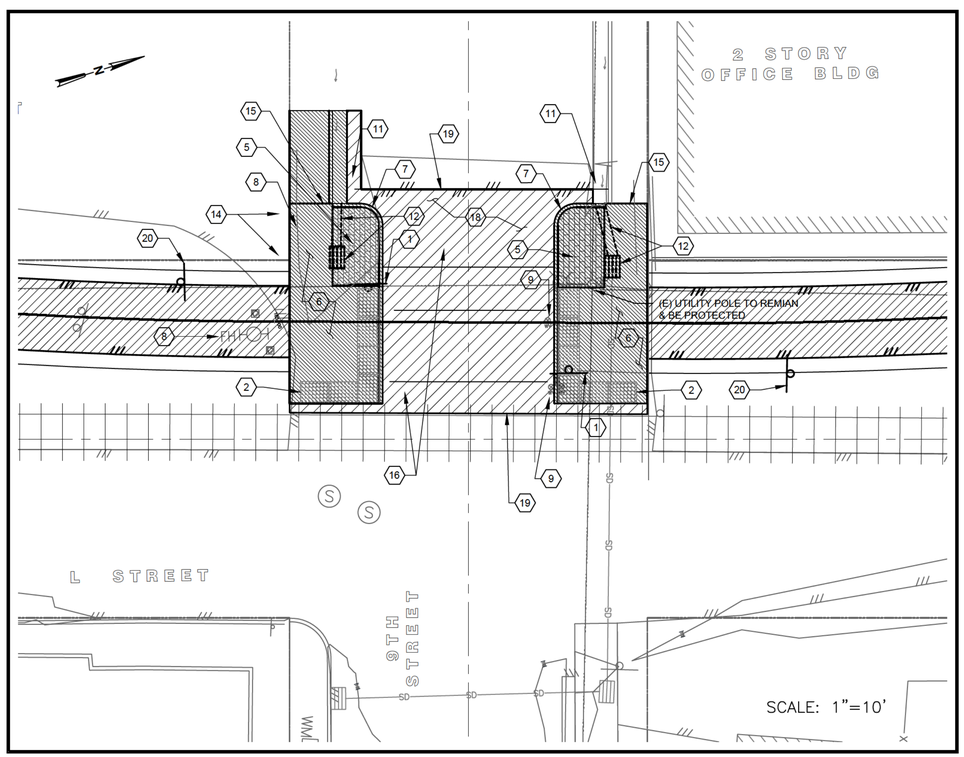
Enlarged Plan 8th, 9th & 10th Streets Crossings
2014 RAILS WITH TRAILS
PHASE ONE

Date 1/31/2014
Scale 1" = 10'
Sheet No. 19 OF 36
Drawing C401

Plotted By:Martin Nelson Plot Date: 1/31/2014 RWT_MEN_2013_INTERSECTIONS_recover.dwg



8TH ST. & L ST.



9TH ST. & L ST.

KEYNOTES

1. (N) PED SIGN TYPE W11-15 W/ "TRAIL XING" SIGN TYPE W11-15P & SIGN TYPE W16-7P MOUNTED UNDERNEATH.
2. (N) DETECTABLE WARNING SURFACE, 10' WIDE BY 3' DEEP PER DETAIL - 26 / C502.
3. (N) CONCRETE SIDEWALK PER DETAIL - 10 / C501.
4. (N) 12" WIDE BY 10' LONG WHITE CROSSWALK LINE PER CALTRANS REVISED STANDARD PLAN A24F (STRIPE AT 3' O.C.) TYP.
5. (N) DECORATIVE CONCRETE SIDEWALK PER DETAIL -
6. (N) CONCRETE SIDEWALK PER DETAIL - 10 / C501.
7. (N) CURB PER DETAIL - 46 / C505.
8. RELOCATE (E) FIRE HYDRANT TO SIDEWALK PER DETAIL -
9. ADJUST (E) WV'S TO GRADE PER DETAIL - 31 / C503.
10. ADJUST (E) MANHOLE COVER TO GRADE PER DETAIL - 30 / C503.
11. INSTALL (N) TYPE G1 DRAINAGE INLET & __" HDPE INTERCONNECTING PIPING.
12. MODIFY (E) DRAINAGE INLET TO STORM DRAIN JUNCTION BOX PER DETAIL -
14. (N) BOLLARDS PER DETAIL - 42 / C504.
15. DRILL, DOWEL, AND EPOXY #3 REBAR AT 18" OC INTO EXISTING SIDEWALK.
16. (N) SPEED HUMP AND MARKINGS PER DETAIL - 40 / C504 & 41 / C504.
17. (N) BOLLARDS PER DETAIL - 42 / C504.
18. GRIND & (N) ASPHALT OVERLAY.
19. CONFORM TO (E) A.C. PER DETAIL - 45 / C505.
20. (N) "NO MOTOR VEHICLES" SIGN TYPE R5-3.
21. (N) 4" WHITE STRIPING AROUND (E) JOINT POLE TO REMAIN.

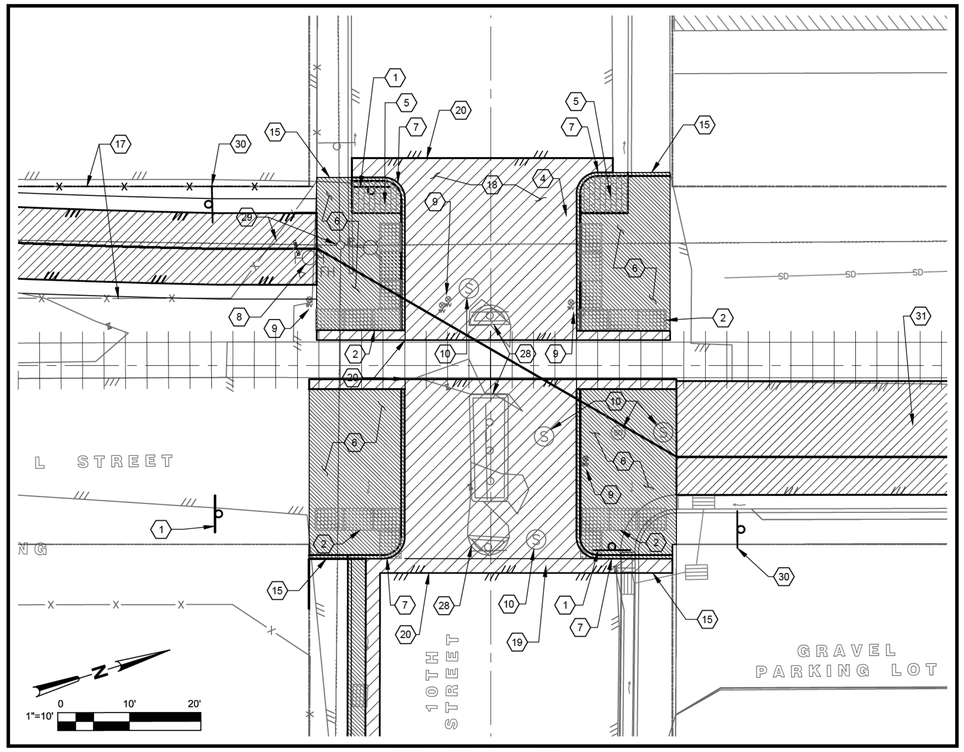
PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

No.	DATE	REVISION	BY
1	1/30/2014	Comments from client.	CRB

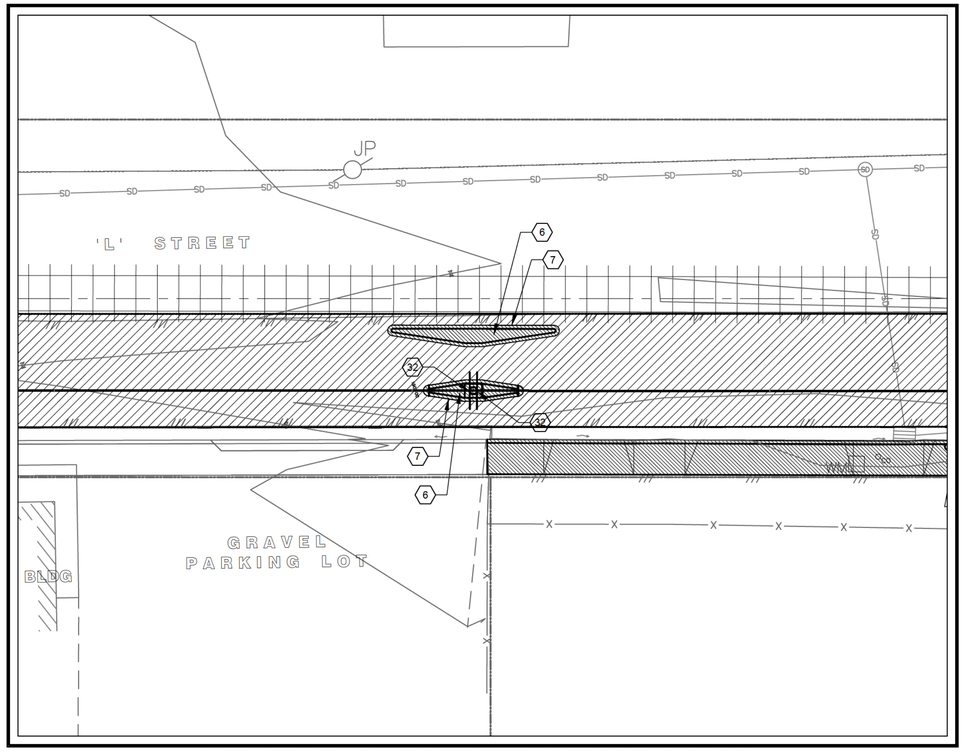
Enlarged Plan 8th, 9th & 10th Streets Crossings
2014 RAILS WITH TRAILS
PHASE ONE

Date 1/31/2014
Scale 1" = 10'
Sheet No. 20 OF 36
Drawing C402

Plotted By:Martin Nelson Plot Date: 1/31/2014 RWT_MEN_2013_INTERSECTIONS_recover.dwg



10TH ST. & L ST.



L ST. (MID-BLOCK) BETWEEN 10TH ST. & 11 ST.

KEYNOTES FOR THE INTERSECTION OF 10TH ST. & L ST. & L ST. (MID-BLOCK) BETWEEN 10TH ST. & 11TH ST.

1. (N) PED SIGN TYPE W11-15 W/ "TRAIL XING" SIGN TYPE W11-15P & SIGN TYPE W16-7P MOUNTED UNDERNEATH.
2. (N) DETECTABLE WARNING SURFACE, 10' WIDE BY 3' DEEP PER DETAIL - 26 / C502.
4. (N) 12" WIDE BY 10' LONG WHITE CROSSWALK LINE PER CALTRANS REVISED STANDARD PLAN A24F (STRIPE AT 3' O.C.), TYP. ACROSS ALLIANCE ROAD.
5. (N) DECORATIVE CONCRETE SIDEWALK PER DETAIL -
6. (N) CONCRETE SIDEWALK PER DETAIL - 10 / C501.
7. (N) CURB PER DETAIL 46 / C505.
8. RELOCATE (E) FIRE HYDRANT TO SIDEWALK PER DETAIL -
9. ADJUST (E) WV TO GRADE PER DETAIL - 31 / C503.
10. ADJUST (E) MANHOLE COVER TO GRADE PER DETAIL - 30 / C503.
14. (E) SIGN TO BE REMOVED & SALVAGED TO CITY.
15. DRILL, DOWEL, AND EPOXY #3 REBAR AT 18" O.C. INTO EXISTING SIDEWALK.
16. (E) JOINT UTILITY POLE & GUY WIRE TO BE RELOCATED TO EDGE OF ROW BY OTHERS.
17. (N) RELOCATED FENCE LINE, SEE DETAIL - 43 / C504.
18. (N) ASPHALT OVERLAY.
19. (N) TRUCK RATED ASPHALT STRUCTURAL SECTION, SEE DETAIL - 13 / C501.
20. CONFORM TO (E) A.C. PER DETAIL - 45 / C505.
21. (N) "STOP" SIGN, TYPE R1-1.
22. (N) LIMIT LINE PER CALTRANS STANDARD PLAN SHEET A24E.
23. (N) CONCRETE CURB RAMP PER DETAIL - XXXX
24. (N) CURB & GUTTER PER DETAIL - 46 / C505.
25. (N) 8' WIDE GREEN PAINT WITH 12" WHITE CROSSWALK STRIPING ON OUTSIDE PER REVISED CALTRANS STANDARD PLAN SHEET A24F (STRIPE AT 8' O.C.).
26. (N) "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
27. (N) SIDEWALK UNDERDRAIN PER DETAIL - 15 / C501.
28. DEMOLISH & REMOVE (E) CONCRETE ISLANDS.
29. (N) 4" WHITE STRIPING AROUND (E) JOINT POLE TO REMAIN.
30. (N) "NO MOTOR VEHICLES" SIGN TYPE R5-3.
31. (N) "SHARROW" PAVEMENT MARKING PER REVISED CALTRANS STANDARD PLAN SHEET A24C.
32. (N) SIGN PER M.U.T.C.D., R4-7 & R4-8.

PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

No.	DATE	REVISION	BY
1	1/30/2014	Comments from client	CRB

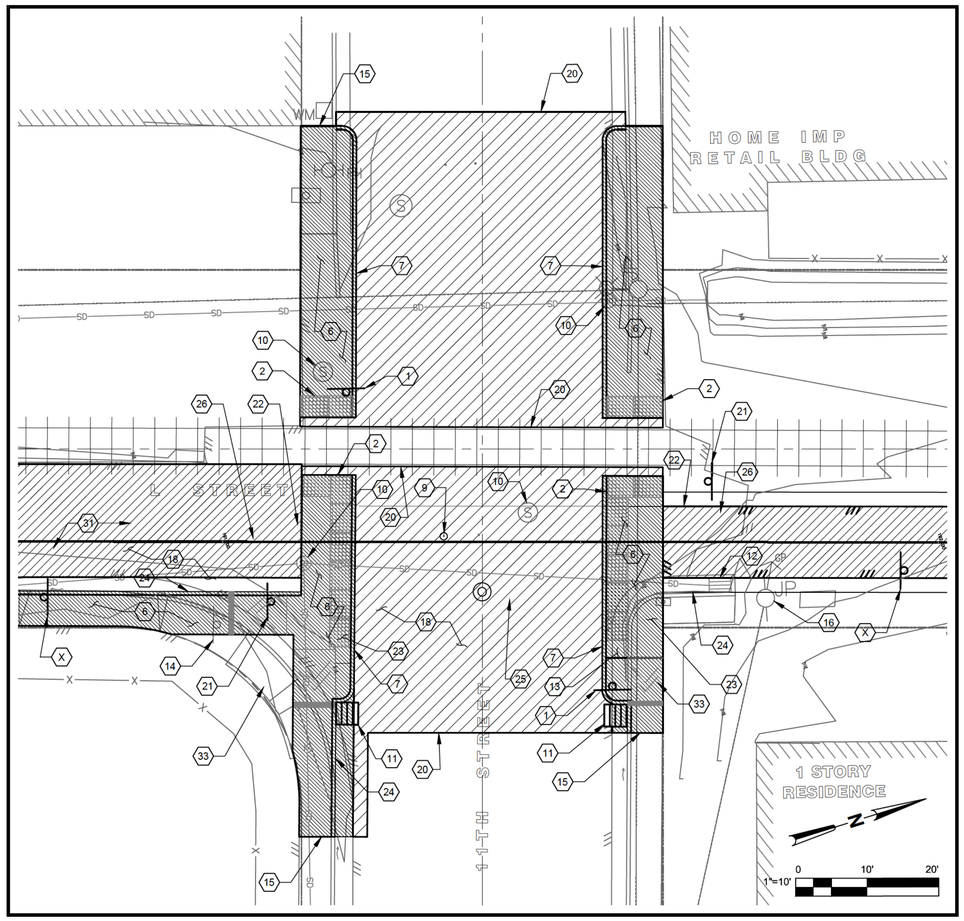
Enlarged Plan 8th, 9th & 10th Streets Crossings
2014 RAILS WITH TRAILS
PHASE ONE

Date 1/31/2014
Scale 1" = 10'
Sheet No. 21 OF 36
Drawing C403

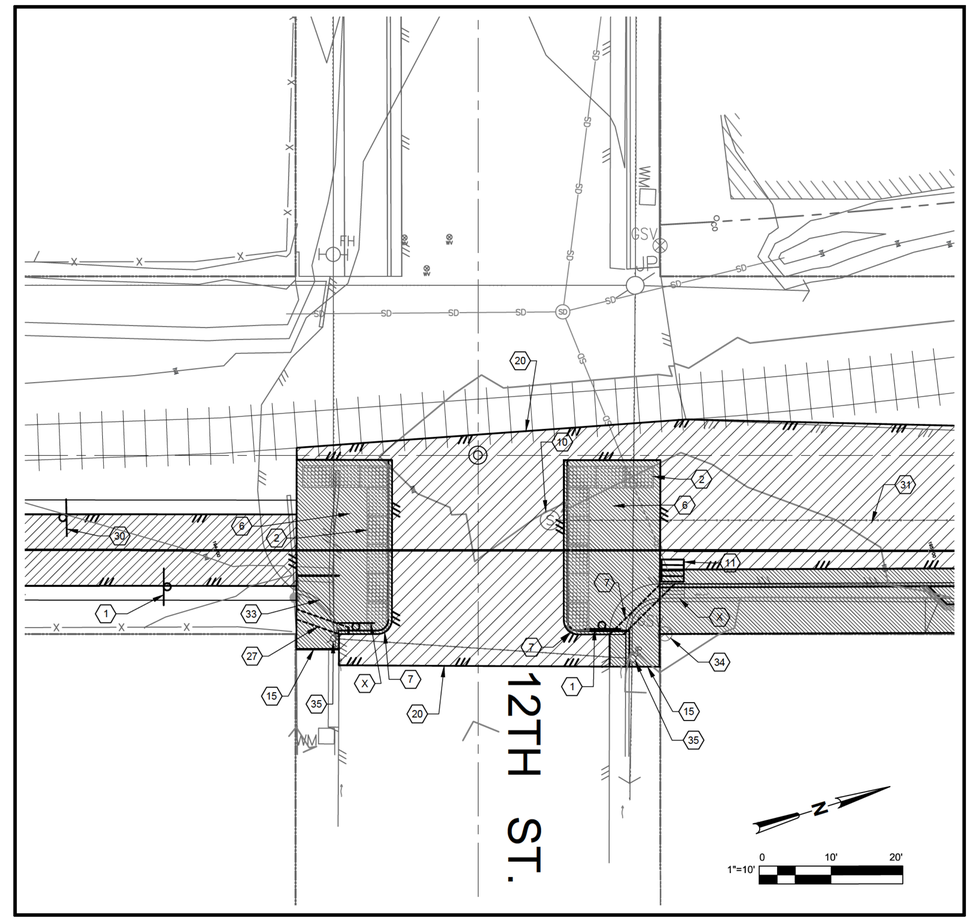
Plotted By:Martin Nelson Plot Date: 1/31/2014 RWT_MEN_2013_INTERSECTIONS_recover.dwg

KEYNOTES FOR THE INTERSECTION OF 11TH ST. & L ST. & 12TH ST. & L ST.

1. (N) PED SIGN TYPE W11-15 W/ "TRAIL XING" SIGN TYPE W11-15P & SIGN TYPE W16-7P MOUNTED UNDERNEATH.
2. (N) DETECTABLE WARNING SURFACE, 10' WIDE BY 3' DEEP PER DETAIL - 26 / C502.
4. (N) 12" WIDE BY 10' LONG WHITE CROSSWALK LINE PER CALTRANS REVISED STANDARD PLAN A24F (STRIPE AT 3' O.C.), TYP. ACROSS ALLIANCE ROAD.
6. (N) CONCRETE SIDEWALK PER DETAIL -
7. (N) CURB PER DETAIL - 46 / C505.
9. ADJUST (E) W.V. TO GRADE PER DETAIL - 31 / C503.
10. ADJUST (E) MANHOLE COVER TO GRADE PER DETAIL - 30 / C503.
11. INSTALL (N) TYPE G1 DRAINAGE INLET & __" HDPE INTERCONNECTING PIPING.
12. (E) DRAINAGE INLET TO REMAIN & BE PROTECTED.
14. (E) SIGN TO BE REMOVED & SALVAGED TO CITY.
15. DRILL, DOWEL, AND EPOXY #3 REBAR AT 18" O.C. INTO EXISTING SIDEWALK.
16. (E) JOINT UTILITY POLE & GUY WIRE TO BE RELOCATED TO EDGE OF ROW BY OTHERS.
18. GRIND & (N) ASPHALT OVERLAY.
19. (N) TRUCK RATED ASPHALT STRUCTURAL SECTION, SEE DETAIL - 13 / C501.
20. CONFORM TO (E) AC PER DETAIL - 45 / C505.
21. (N) "STOP" SIGN, TYPE R1-1.
22. (N) LIMIT LINE PER CALTRANS STANDARD PLAN SHEET A24E.
23. (N) CONCRETE CURB RAMP PER DETAIL -
24. (N) CURB & GUTTER PER DETAIL - 46 / C505.
25. (N) 8' WIDE GREEN PAINT WITH 12" WHITE CROSSWALK STRIPING ON OUTSIDE PER REVISED CALTRANS STANDARD PLAN SHEET A24F (STRIPE AT 8' O.C.)
26. (N) "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
27. (N) SIDEWALK UNDERDRAIN PER DETAIL - 15 / C501.
29. (N) 4" WHITE STRIPING AROUND (E) JOINT POLE TO REMAIN.
31. (N) "SHARROW" PAVEMENT MARKING PER REVISED CALTRANS STANDARD PLAN SHEET A24C.
33. REMOVE (E) CONCRETE SIDEWALK, CURB & GUTTER.
34. (E) GAS VENT TO REMAIN & BE PROTECTED.



11TH ST. & L ST.



12TH ST. & L ST.

PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

No.	DATE	REVISION	BY

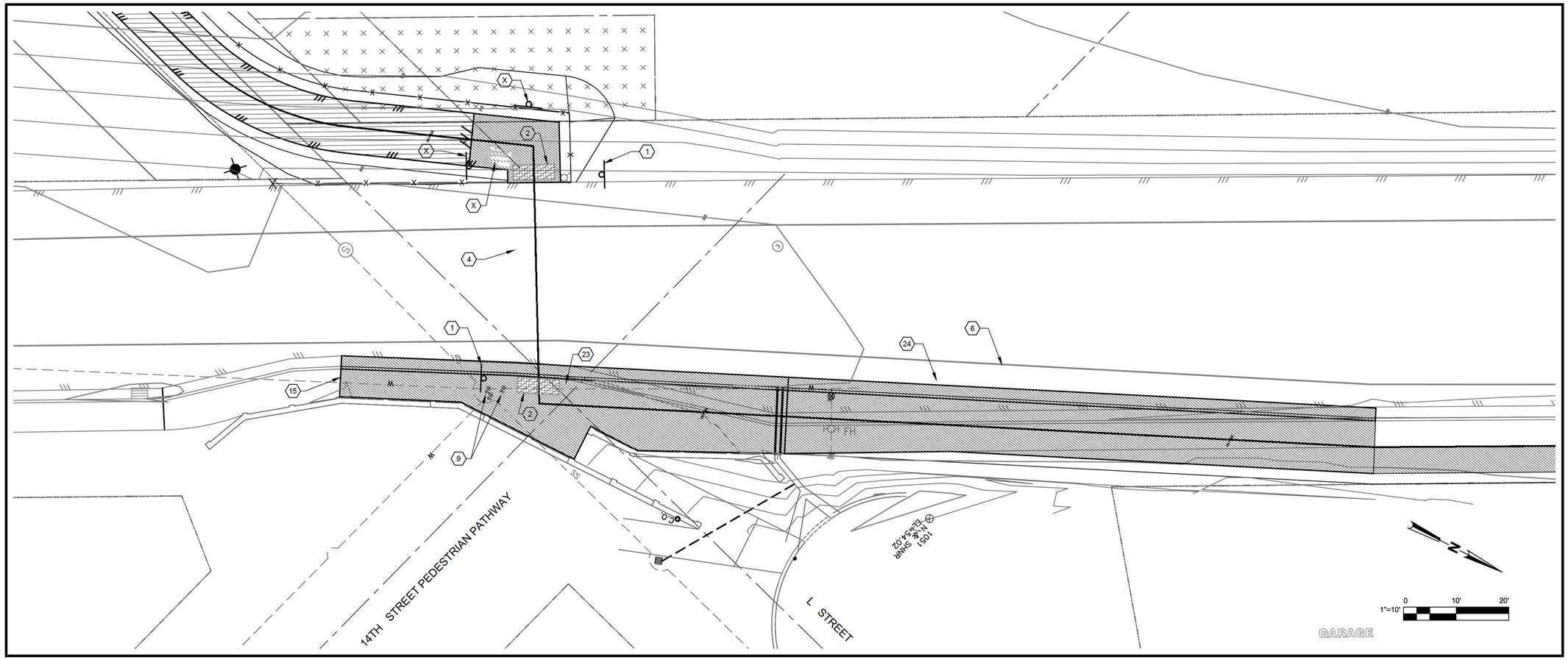
Enlarged Plans 11th & 12th Street Crossings
2014 RAILS WITH TRAILS
PHASE ONE

Date	1/31/2014
Scale	1" = 10'
Sheet No.	22 OF 36
Drawing	C404

Plotted By:Martin Nelson Plot Date: 1/31/2014 RWT_MEN_2013_INTERSECTIONS_recover.dwg

KEYNOTES FOR THE ALLIANCE ROAD CROSSING

1. (N) PED SIGN TYPE W11-15 W/ "TRAIL XING" SIGN TYPE W11-15P & SIGN TYPE W16-7P MOUNTED UNDERNEATH.
2. (N) DETECTABLE WARNING SURFACE, 10' WIDE BY 3' DEEP PER DETAIL - 26 / C502.
3. (N) CONCRETE SIDEWALK PER DETAIL - 10 / C501.
4. (N) 12" WIDE BY 10' LONG WHITE CROSSWALK LINE PER CALTRANS REVISED STANDARD PLAN A24F (STRIPE AT 3' O.C.), TYP. ACROSS ALLIANCE ROAD.
5. (N) DECORATIVE CONCRETE SIDEWALK PER DETAIL - XXXXX.
6. (N) CONCRETE SIDEWALK PER DETAIL - 10 / C501.
7. (N) CURB PER DETAIL - 46 / C505.
8. RELOCATE (E) FIRE HYDRANT TO SIDEWALK PER DETAIL - XXXXX.
9. ADJUST (E) W.V. TO GRADE PER DETAIL - 31 / C503.
10. ADJUST (E) MANHOLE COVER TO GRADE PER DETAIL 30 / C503
11. INSTALL (N) TYPE G1 DRAINAGE INLET & __" HDPE INTERCONNECTING PIPING.
12. (E) DRAINAGE INLET TO REMAIN & BE PROTECTED.
13. LANDSCAPE AREA.
14. (E) SIGN TO BE REMOVED & SALVAGED TO CITY.
15. DRILL, DOWEL, AND EPOXY #3 REBAR AT 18" O.C. INTO EXISTING SIDEWALK.
16. (E) JOINT UTILITY POLE & GUY WIRE TO BE RELOCATED TO EDGE OF ROW BY OTHERS.
17. (N) RELOCATED FENCE LINE, SEE DETAIL - 43 / C504.
18. (N) ASPHALT OVERLAY.
19. (N) TRUCK RATED ASPHALT STRUCTURAL SECTION - 13 / C501.
20. CONFORM TO (E) A.C. PER DETAIL - 45 / C505.
21. (N) "STOP" SIGN, TYPE R1-1.
22. (N) LIMIT LINE PER CALTRANS STANDARD PLAN SHEET A24E.
23. (N) CONCRETE CURB RAMP PER DETAIL
24. (N) CURB & GUTTER PER DETAIL - 46 / C505.
25. (N) 8' WIDE GREEN PAINT WITH 12" WHITE CROSSWALK STRIPING ON OUTSIDE PER REVISED CALTRANS STANDARD PLAN SHEET A24F (STRIPE AT 8' O.C.)
26. (N) "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
27. (N) SIDEWALK UNDERDRAIN PER DETAIL - 15 / C501.
28. DEMOLISH & REMOVE (E) CONCRETE ISLANDS.
29. (N) 4" WHITE STRIPING AROUND (E) JOINT POLE TO REMAIN.
30. (N) "NO MOTOR VEHICLES" SIGN TYPE R5-3.
31. (N) "SHARROW" PAVEMENT MARKING PER REVISED CALTRANS STANDARD PLAN SHEET A24C.



ALLIANCE ROAD CROSSING

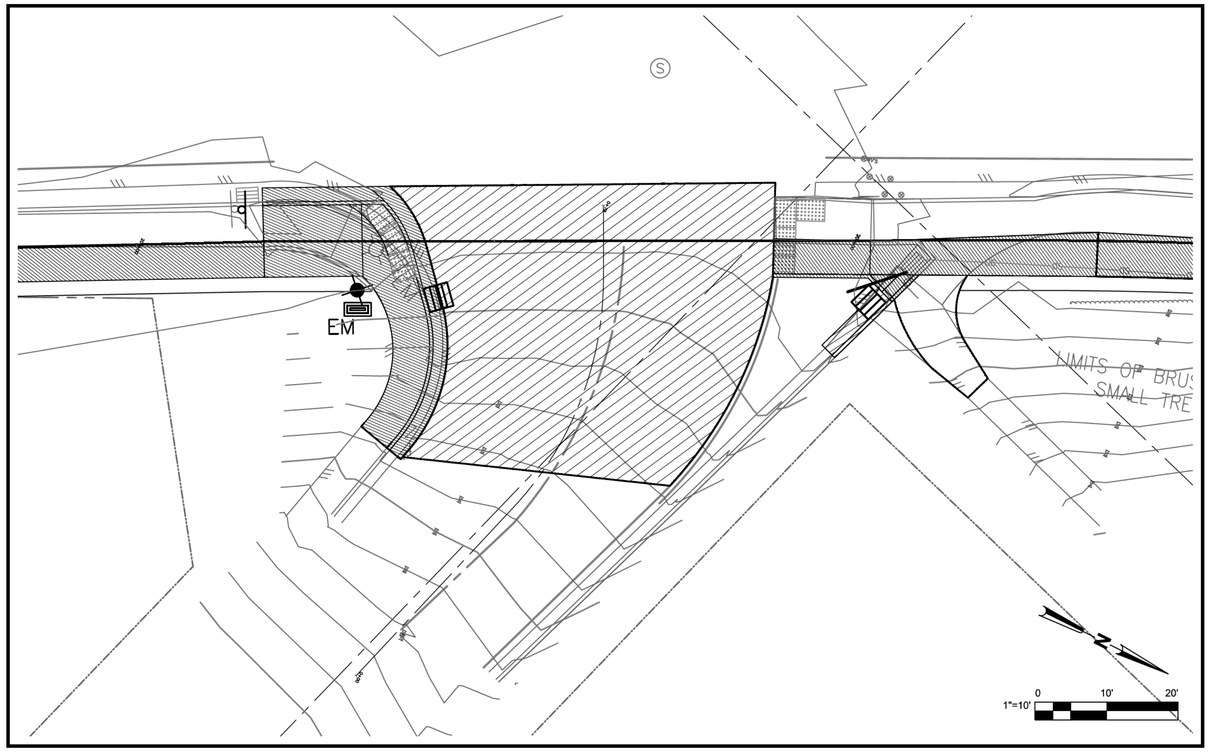
PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

No.	DATE	REVISION	BY
1	1/30/2014	Comments from client.	CRB

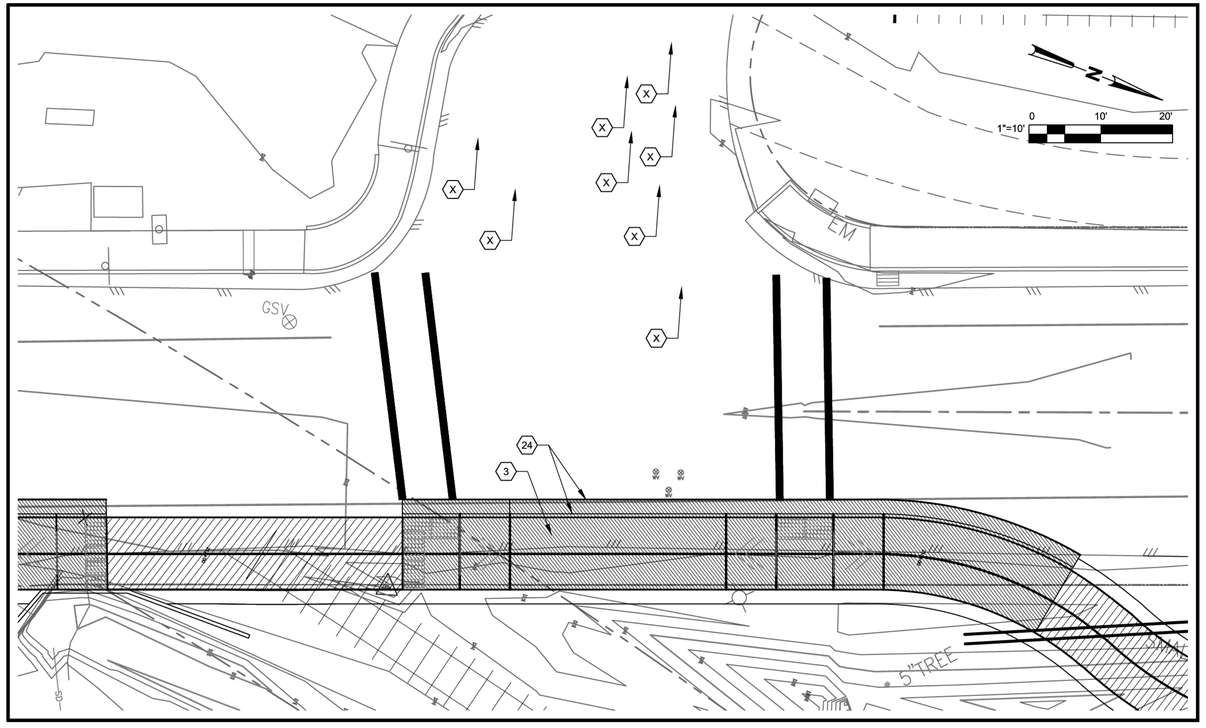
Enlarged Plan Alliance Road Crossing
2014 RAILS WITH TRAILS
PHASE ONE

Date 1/31/2014
Scale 1" = 10'
Sheet No. 23 OF 36
Drawing C405

Plotted By:Martin Nelson Plot Date: 1/31/2014 RWT_MEN_2013_INTERSECTIONS_recover.dwg



15TH ST. & ALLIANCE RD.



17TH ST. & ALLIANCE RD.

KEYNOTES FOR THE INTERSECTION OF 15TH ST. & ALLIANCE RD.

1. (N) PED SIGN TYPE W11-15 W/ "TRAIL XING" SIGN TYPE W11-15P & SIGN TYPE W16-7P MOUNTED UNDERNEATH.
2. (N) DETECTABLE WARNING SURFACE, 10' WIDE BY 3' DEEP PER DETAIL - 26 / C502.
3. (N) CONCRETE SIDEWALK PER DETAIL - 10 / C501.
4. (N) 12" WIDE BY 10' LONG WHITE CROSSWALK LINE PER CALTRANS REVISED STANDARD PLAN A24F (STRIPE AT 3' O.C.), TYP. ACROSS ALLIANCE ROAD.
5. (N) DECORATIVE CONCRETE SIDEWALK PER DETAIL - XXXXX.
6. (N) CONCRETE SIDEWALK PER DETAIL - 10 / C501.
7. (N) CURB PER DETAIL - 46 / C505.
8. RELOCATE (E) FIRE HYDRANT TO SIDEWALK PER DETAIL.
9. ADJUST (E) WV TO GRADE PER DETAIL - 31 / C503.
10. ADJUST (E) MANHOLE COVER TO GRADE PER DETAIL - 30 / C503.
11. INSTALL (N) TYPE G1 DRAINAGE INLET & __" HDPE INTERCONNECTING PIPING.
12. (E) DRAINAGE INLET TO REMAIN & BE PROTECTED.
13. LANDSCAPE AREA.
14. (E) SIGN TO BE REMOVED & SALVAGED TO CITY.
15. DRILL, DOWEL, AND EPOXY #3 REBAR AT 18" O.C. INTO EXISTING SIDEWALK.
16. (E) JOINT UTILITY POLE & GUY WIRE TO BE RELOCATED TO EDGE OF ROW BY OTHERS.
17. (N) RELOCATED FENCE LINE, SEE DETAIL - 43 / C504.
18. (N) ASPHALT OVERLAY.
19. (N) TRUCK RATED ASPHALT STRUCTURAL SECTION, DETAIL - 13 / C501.
20. CONFORM TO (E) AC PER DETAIL - 45 / C505.
21. (N) "STOP" SIGN, TYPE R1-1.
22. (N) LIMIT LINE PER CALTRANS STANDARD PLAN SHEET A24E.
23. (N) CONC. CURB RAMP PER DETAIL - 25 / C502, SIMILAR.
24. (N) CURB & GUTTER PER DETAIL - 46 / C505.
25. (N) 8' WIDE GREEN PAINT WITH 12" WHITE CROSSWALK STRIPING ON OUTSIDE PER REVISED CALTRANS STANDARD PLAN SHEET A24F (STRIPE AT 8' O.C.).
26. (N) "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
27. (N) SIDEWALK UNDERDRAIN PER DETAIL - 15 / C501.
28. DEMOLISH & REMOVE (E) CONCRETE ISLANDS.
29. (N) 4" WHITE STRIPING AROUND (E) JOINT POLE TO REMAIN.
30. (N) "NO MOTOR VEHICLES" SIGN TYPE R5-3.
31. (N) "SHARROW" PAVEMENT MARKING PER REVISED CALTRANS STANDARD PLAN SHEET A24C.
32. (N) CONC. CURB RAMP PER DETAIL - 21 / C502, SIMILAR.

City of Arcata

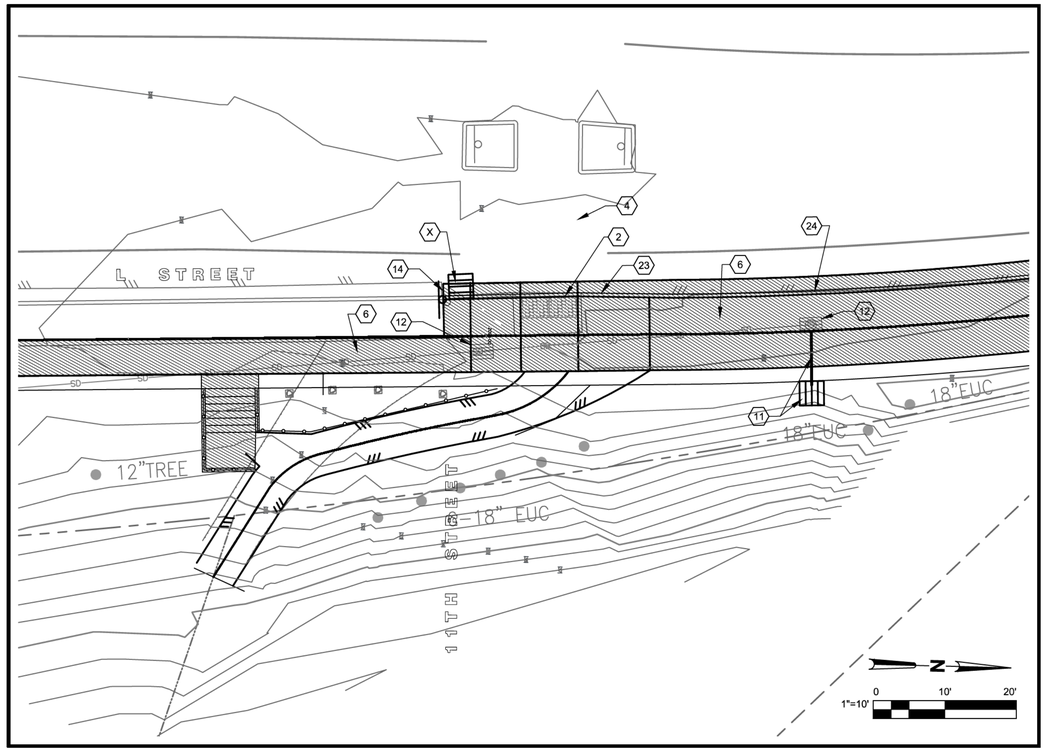
PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

No.	DATE	REVISION	BY
1	1/30/2014	Comments from client	CRB

Enlarged Plans 15th & 17th Street Crossings
2014 RAILS WITH TRAILS
PHASE ONE

Date 1/31/2014
Scale 1" = 10'
Sheet No. 24 OF 36
Drawing C406

Plotted By:Martin Nelson Plot Date: 1/31/2014 RWT_MEN_2013_INTERSECTIONS_recover.dwg



AHS TRAIL & ALLIANCE RD.

KEYNOTES FOR THE INTERSECTION OF AHS TRAIL & ALLIANCE RD.

1. (N) PED SIGN TYPE W11-15 W/ "TRAIL XING" SIGN TYPE W11-15P & SIGN TYPE W16-7P MOUNTED UNDERNEATH
2. (N) DETECTABLE WARNING SURFACE, 10' WIDE BY 3' DEEP PER DETAIL
3 (N) CONCRETE IDEWALK PER DETAIL
4. (N) 12" WIDE BY 10' LONG WHITE CROSSWALK LINE PER CALTRANS REVISED STANDARD PLAN A24F (STRIPE AT 3' OC), TYP ACROSS ALLIANCE ROAD.
5. (N) DECORATIVE CONCRETE SIDEWALK PER DETAIL
6. (N) CONCRETE SIDEWALK PER DETAIL
7. (N) CURB PER DETAIL
8. RELOCATE (E) FIRE HYDRANT TO SIDEWALK PER DETAIL
9. ADJUST (E) WV TO GRADE PER DETAIL
10. ADJUST (E) MANHOLE COVER TO GRADE PER DETAIL
11. INSTALL (N) TYPE G1 DRAINAGE INLET & __" HDPE INTERCONNECTING PIPING
12. (E) DRAINAGE INLET TO REMAIN & BE PROTECTED
13. LANDSCAPE AREA
14. (E) SIGN TO BE REMOVED & SALVAGED TO CITY
15. DRILL, DOWEL, AND EPOXY #3 REBAR AT 18" OC INTO EXISTING SIDEWALK
16. (E) JOINT UTILITY POLE & GUY WIRE TO BE RELOCATED TO EDGE OF ROW BY OTHERS
17. (N) RELOCATED FENCE LINE
18. (N) ASPHALT OVERLAY
19. (N) TRUCK RATED ASPHALT STRUCTURAL SECTION
20 CONFORM TO (E) AC PER DETAIL
21. (N) "STOP" SIGN, TYPE R1-1
22. (N) LIMIT LINE PER CALTRANS STANDARD PLAN SHEET A24E
23. (N) CONCRETE CURB RAMP PER DETAIL
24. (N) CURB & GUTTER PER DETAIL
25. (N) 8' WIDE GREEN PAINT WITH 12" WHITE CROSSWALK STRIPING ON OUTSIDE PER REVISED CALTRANS STANDARD PLAN SHEET A24F (STRIPE AT 8' OC)
26. (N) "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D
27. (N) SIDEWALK UNDERDRAIN PER DETAIL
28. DEMOLISH & REMOVE (E) CONCRETE ISLANDS
29. (N) 4" WHITE STRIPING AROUND (E) JOINT POLE TO REMAIN
30. (N) "NO MOTOR VEHICLES" SIGN TYPE R5-3
31. (N) "SHARROW" PAVEMENT MARKING PER REVISED CALTRANS STANDARD PLAN SHEET A24C

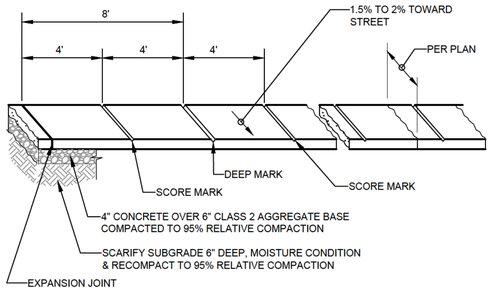
PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

No.	DATE	REVISION	BY
1	1/30/2014	Comments from client.	CRB

Enlarged Plans Arcata High Trail Connection
2014 RAILS WITH TRAILS
PHASE ONE

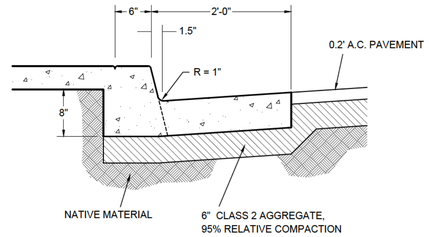
Date 1/31/2014
Scale 1" = 10'
Sheet No. 25 OF 36
Drawing C407

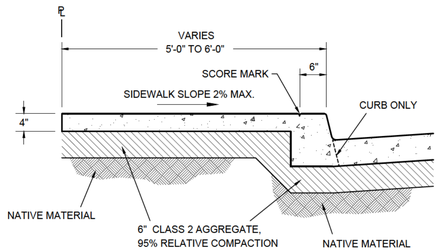
Plotted By:Martin Nelson Plot Date: 1/31/2014 RWT_MEN_2013_INTERSECTIONS_recover.dwg



NOTES:
1. DEEP SCORE MARK OR WEAKENED PLANE-DEPTH EQUAL TO 1/5 OF SLAB THICKNESS.
2. SIDEWALK SHALL BE BROOM FINISHED. DIRECTION OF BROOMING SHALL BE PERPENDICULAR TO DIRECTION OF TRAVEL.
3. CONTRACTOR TO DRILL AND DOWEL #4'S AT 24" O.C. INTO EXISTING SIDEWALK AT JUNCITONS TO EXISTING SIDEWALK.

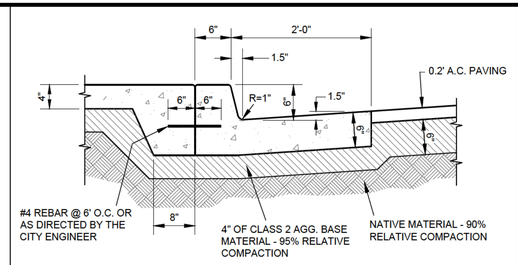
10 / C501 TYPICAL SIDEWALK DETAIL
SCALE: NTS



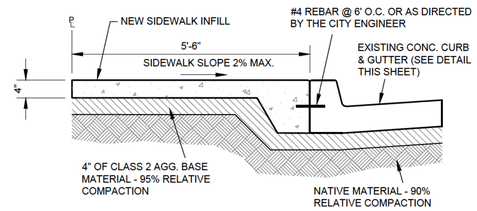


NOTES:
1. SEE STANDARD DETAIL 10 FOR LOCATION OF WEAKENED PLANES
2. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THECITY ENGINEER.
3. CONCRETE SHALL BE 5 SACK MEETING 2500 PSI REQUIREMENTS
4. ALL ROUNDED CORNERS TO BE 1/2" RADIUS UNLESS OTHERWISE SPECIFIED.
5. INSPECTION OF FORMS AND FINISHED WORK REQUIRED. SCHEDULE INSPECTION 24 HOURS IN ADVANCE.

11 / C501 TYPICAL MONOLITHIC SIDEWALK, CURB AND GUTTER DETAIL - TYPE A2-6
SCALE: NTS



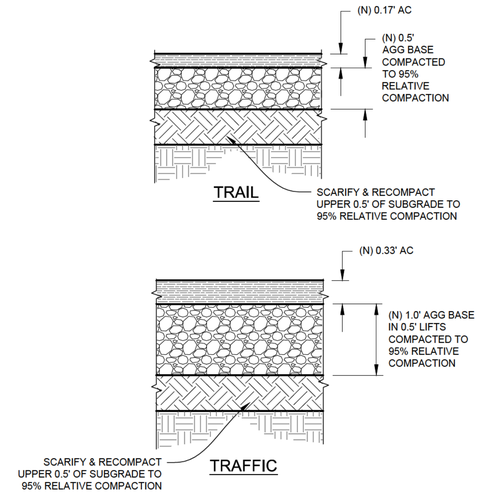
NEW CURB & GUTTER DETAIL
N.T.S.



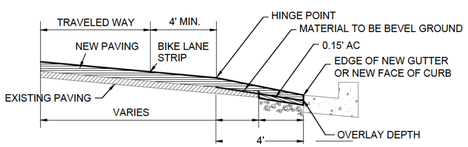
TYPICAL SECTION WHEN NEW SIDEWALK IS ADDED TO EXISTING CURB & GUTTER
N.T.S.

NOTES:
1. SEE STANDARD ST 05 FOR LOCATION OF WEAKENED PLANES.
2. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
3. CONCRETE SHALL BE 5 SACK MEETING 2500 PSI REQUIREMENTS.
4. ALL ROUNDED CORNERS TO BE 1/2" RADIUS UNLESS OTHERWISE SPECIFIED.
5. INSPECTION OF FORMS AND FINISHED WORK REQUIRED. SCHEDULE INSPECTION 24 HOURS IN ADVANCE.
6. CLASS 2 AGGREGATE BASE COMPACTED TO 95% RELATIVE DENSITY.

12 / C501 TYPICAL CURB DETAIL - TYPE A1-6
SCALE: NTS

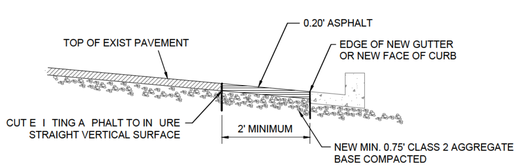


13 / C501 TYPICAL PAVEMENT STRUCTURAL SECTION
SCALE: NTS



NOTES:
1. ASPHALT INFILL ALONG GUTTER LIP SHALL BE A MINIMUM OF 0.15'.
2. VERTICAL LIP SHALL BE SWEPT CLEAN OF DUST AND AC BINDER APPLIED PRIOR TO PAVING.
3. WIDTH OF GRIND MAY VARY AT THE CITY ENGINEERS DISCRETION DUE TO SITE CONDITIONS.
4. COLD JOINT OR HINGE POINT SHALL BE UNDER BIKE LANE STRIP IF WITHIN 4' OF THE CURB SIDE OF BIKE LANE STRIP

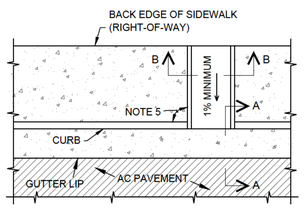
ASPHALT OVERLAY TO NEW GUTTER EDGE

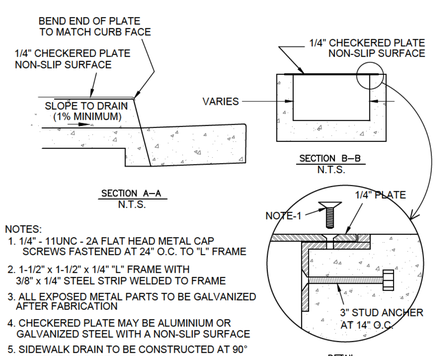


NOTES:
1 AGGREGATE BA E AND A PHALT HALL BE MECHANICALLY COMPACTED AND FIELD VERIFIED BY PUBLIC WORKS.
2. VERTICAL EDGES SHALL BE SWEPT CLEAN OF DUST AND AC BINDER APPLIED PRIOR TO PAVING.
3. SHEAR IN WIDTH MAY BE ALTERED BY THE CITY ENGINEER.
4. NOTIFY CITY PUBLIC WORKS 24 HOURS PRIOR TO PAVING FOR INSPECTION.

ASPHALT SHEAR IN TO NEW GUTTER OR CURB

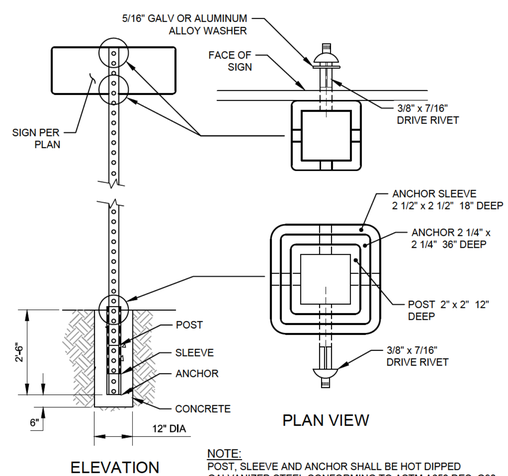
14 / C501 TYPICAL PAVING CONFORM TO GUTTER LIP
SCALE: NTS





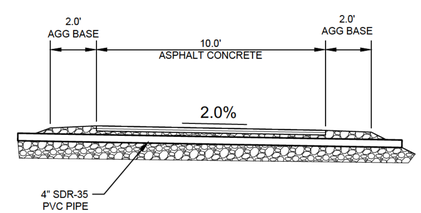
NOTES:
1. 1/4" - 11UNC - 2A FLAT HEAD METAL CAP SCREWS FASTENED AT 24" O.C. TO "L" FRAME
2. 1-1/2" x 1-1/2" x 1/4" "L" FRAME WITH 3/8" x 1/4" STEEL STRIP WELDED TO FRAME
3. ALL EXPOSED METAL PARTS TO BE GALVANIZED AFTER FABRICATION
4. CHECKERED PLATE MAY BE ALUMINIUM OR GALVANIZED STEEL WITH A NON-SLIP SURFACE
5. SIDEWALK DRAIN TO BE CONSTRUCTED AT 90° ANGLE FROM CURB LINE

15 / C501 TYPICAL SIDEWALK CHANNEL DRAIN
SCALE: NTS



NOTE:
POST, SLEEVE AND ANCHOR SHALL BE HOT DIPPED GALVANIZED STEEL CONFORMING TO ASTM A653 DES. G90.

16 / C501 TYPICAL ROADSIDE SIGN, 1-POST DETAIL
SCALE: NTS



NOTES:
1. CROSS TRAIL DRAIN PIPE TO BE SET LEVEL OR AT 1% SLOPE IN DIRECTION OF PREVAILING FLOW.
2. MINIMUM DISTANCE BETWEEN TOP OF PIPE AND HOT MIX ASPHALT SHALL BE 2".
3. PIPE SHALL EXTEND BEYOND 2' AGG. BASE SHOULDERS.

17 / C501 TYPICAL CROSS TRAIL PIPE DRAIN
SCALE: NTS

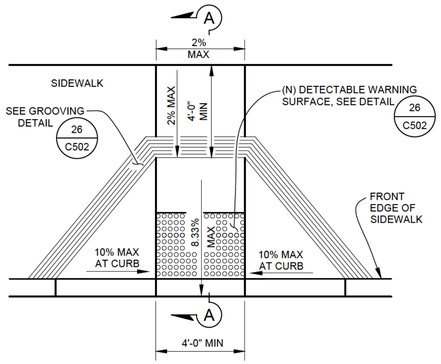
PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT

NO.	DATE	REVISION	BY

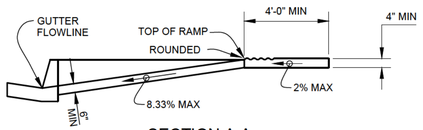
Details
2014 RAILS WITH TRAILS
PHASE ONE

Date 1/10/2014
Scale NTS
Sheet No. 26 OF 36
Drawing C501

Plotted By:Terry Barney Plot Date: 1/31/2014 RwT_Details_2014-01-09.dwg



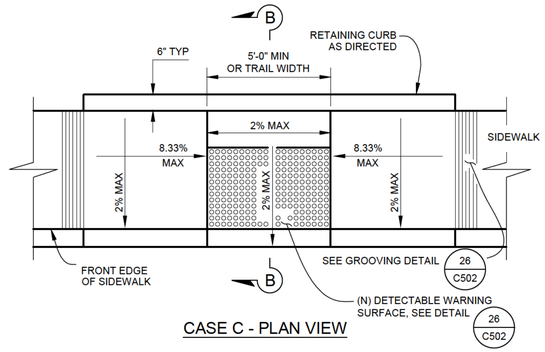
CASE A PLAN VIEW



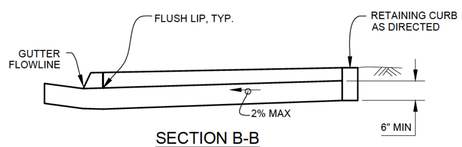
SECTION A-A

20 C502 STANDARD CURB RAMP DETAIL - CASE A

SCALE: NTS



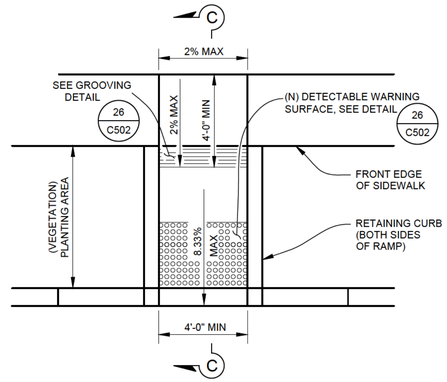
CASE C - PLAN VIEW



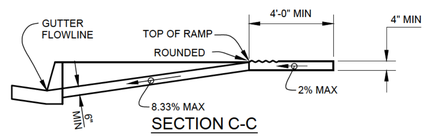
SECTION B-B

21 C502 STANDARD CURB RAMP DETAIL - CASE C

SCALE: NTS



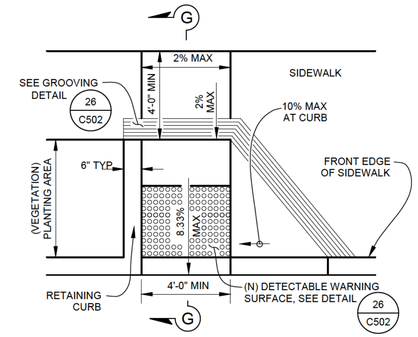
CASE F - PLAN VIEW



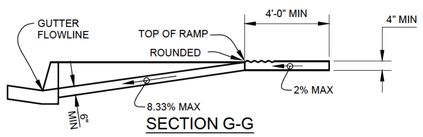
SECTION C-C

22 C502 STANDARD CURB RAMP DETAIL - CASE F

SCALE: NTS



CASE G - PLAN VIEW



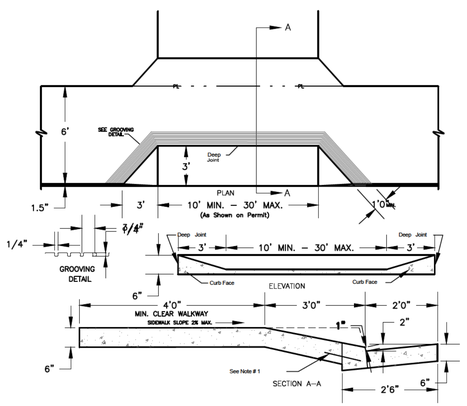
SECTION G-G

23 C502 STANDARD CURB RAMP DETAIL - CASE G

SCALE: NTS

PEDSTRIAN ACCESS NOTES:

1. THE C RB RAMP STANDARDS DEPICTED HERE MAY NOT BE APPROPRIATE FOR ALL LOCATIONS. FIELD CONDITIONS AT INDIVIDUAL LOCATIONS MAY REQUIRE SPECIFIC DESIGNS. DESIGNS MUST BE CONSISTENT WITH THE PROVISIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) 2010 STANDARD PLANS AND /OR CITY OF UKIAH STANDARD PLANS TO THE MAXIMUM EXTENT FEASIBLE.
2. SIDEWALK THICKNESS SHALL BE 4" MINIMUM, RAMP THICKNESS SHALL BE 6" MINIMUM.
3. TRANSITIONS FROM RAMPS AND LANDINGS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES NOT EXCEEDING 1/4" VERTICAL.
4. MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 5% WITHIN 4'-0" OF THE TOP AND BOTTOM OF THE CURB RAMP.
5. CONTRACTOR TO PROVIDE 0.3' AC EDGE PATCH AROUND CURB AND/OR CURB AND GUTTER LINE, AS REQUIRED IN FIELD.
6. A 6" HIGH WARNING CURB IS REQUIRED PER CBC 1133B.8.1 WHENEVER THERE IS AN ABRUPT CHANGE IN GRADE ELEVATION OFF THE EDGE OF A WALKING SURFACE THAT EXCEEDS 4" VERTICAL.
7. CONTRACTOR SHALL PROVIDE CONTINUOUS PATH OF TRAVEL AT ALL TIMES. A CONTINUOUS PATH OF TRAVEL SHALL BE 48 INCHES MINIMUM UNOBSTRUCTED WIDTH WITH RIGID SURFACE MATERIALS AT CROSS SLOPES OF 2% MAXIMUM AND A RUNNING SLOPE OF 5% MAXIMUM IN THE DIRECTION OF TRAVEL OR 8.33% MAXIMUM FOR RAMP (SEE TEMPORARY PEDESTRIAN RAMP DETAIL THIS SHEET). PLASTIC MESH FENCING SHALL BE INSTALLED ADJACENT TO THE TEMPORARY PEDESTRIAN RAMP TO PROVIDE VISUAL WARNING AND CONTROL FOR PEDESTRIANS. THE PLASTIC MESH SHALL BE 3 FOOT HIGH MINIMUM IN SAFETY ORANGE COLOR AND SECURELY WIRE TIED TO TYPE II BARRICADES OR EQUAL BARRICADES SHALL BE PROPERLY SPACED AND ADEQUATELY WEIGHTED WITH SAND BAGS OR APPROVED EQUAL TO ENSURE MESH REMAINS VERTICAL AND AT PROPER HEIGHT AT ALL TIMES.
8. WHEN AN EXISTING PATH OF TRAVEL IS TO BE BLOCKED OR REMOVED, THE CONTRACTOR SHALL SUBMIT AN ACCESS PLAN FOR CITY APPROVAL. NO WORK SHALL COMMENCE UNTIL AN APPROVED ACCESS PLAN HAS BEEN OBTAINED FROM THE CITY. THE ACCESS PLAN SHALL CONSIST OF TEMPORARY RAMPS AS SHOW ON THIS SHEET OR AN APPROVED EQUAL.
9. IF THE CONSTRUCTION WORK AREA IS WITHIN AN EXISTING FACILITY (E.G. BUS STOPS, CROSSWALKS, ETC.), CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCE NOTICE TO OWNERS OF THE FACILITY INDICATING THE AFFECTED LOCATION AND DURATION OF WORK. NO TWO FACILITIES OR PROGRAMS IN SEQUENCE SHALL BE BLOCKED OR CLOSED FOR PUBLIC USE.
10. PAYMENT FOR PROVIDING A CONTINUOUS PATH OF TRAVEL SHALL BE CONSIDERED AS INCLUDED IN VARIOUS ITEMS OF WORK AND NO SEPARATE PAYMENT SHALL BE MADE. PROVISIONS FOR CONTINUOUS PATH OF TRAVEL SHALL INCLUDE INSTALLATION AND MAINTENANCE OF TEMPORARY RAMPS, POTHOLING OF UTILITIES, RESTORATION OF EXISTING STREET IMPROVEMENTS, COORDINATION OF WORK, TRAFFIC CONTROLS AND ALL ASSOCIATED WORK NEEDED TO COMPLETE THIS REQUIREMENT. HOWEVER, THE CONTRACTOR WILL BE ENTITLED FOR ADDITIONAL WORKING DAYS TO THE CONTRACT PERIOD FOR RIGHT-OF-WAY DELAYS AT NO FAULT BY THE CONTRACTOR.

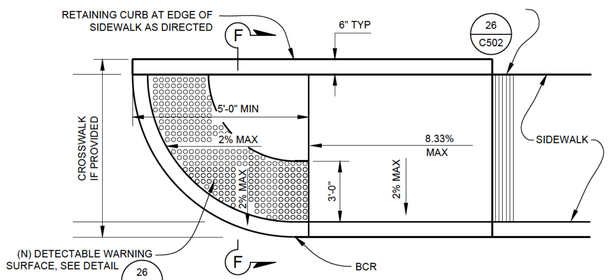


NOTES

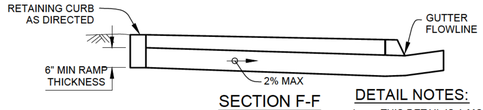
1) 12" #3 REBAR DOWELS @ 30" OR REQUIRED IF EXISTING GUTTER PAN IS USED
2) INSTALL DEEP JOINTS AT EACH END OF DRIVEWAY APPROACH AT EACH END OF CURB RETURNS AND AT 50' MAXIMUM SPACING IN INTERVENING CURBS.
3) AGGREGATE BASE MAY BE REQUIRED UNDER CURB, GUTTER AND SIDEWALK AREAS. (6" MIN.)
4) VERIFY AMERICAN'S WITH DISABILITY ACT (ADA) REQUIREMENTS WITH PUBLIC WORKS DEPARTMENT.
5) 95% COMPACTION REQUIRED ON ALL BASE MATERIAL.
6) INSPECTION OF FORMS AND FINISHED WORK REQUIRES SCHEDULE INSPECTION 24 HOURS IN ADVANCE.
7) COMMERCIAL DRIVEWAYS: #3 REBAR @ 30" O.C. REQUIRED.

24 C502 TYPICAL WALK AROUND DRIVEWAY

SCALE: NTS



CASE CM (MODIFIED) - PLAN VIEW



SECTION F-F

DETAIL NOTES:

1. THIS DETAIL IS A MODIFIED CASE CM.

25 C502 STANDARD CURB RAMP DETAIL CASE CM (MODIFIED)

SCALE: NTS

NOTES:

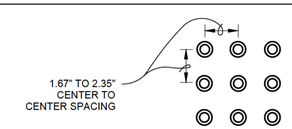
1. CURB RAMPS SHALL BE OUTLINED, AS SHOWN ON THE RAMP DETAILS, WITH A 1'-0" WIDE BORDER WITH 1/4" GROOVES APPROXIMATELY 3/4" ON CENTER.
2. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF RAMP. SEE RAMP DETAILS ON THIS SHEET FOR DETECTABLE WARNING TRUNCATED DOME LAYOUT.
3. THE EDGE OF THE DETECTABLE WARNING SHALL BETWEEN 6" AND 8" AWAY FROM THE STREET GUTTER FLOWLINE.
4. DETECTABLE WARNING SHALL BE A PREFORMED MATERIAL AS APPROVED BY THE ENGINEER. THE USE OF CONCRETE STAMPING IS NOT PERMITTED. APPROVED DETECTABLE WARNING PRODUCTS ARE:

   NEW RAMPS

   ARMORTILE CAST-IN-PLACE SYSTEM - BY ENGINEERED PLASTICS INC.,
   300 INTERNATIONAL DRIVE,
   SUITE 100, WILLIAMSVILLE, NY 14421
   OR APPROVED EQUAL.

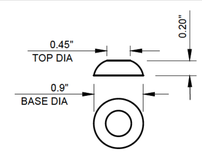
   EXISTING RAMPS

   ARMORTILE SURFACE-APPLIED SYSTEM - BY ENGINEERED PLASTICS INC.,
   300 INTERNATIONAL DRIVE, SUITE 100,
   WILLIAMSVILLE, NY 14421
   OR APPROVED EQUAL.
5. DETECTABLE WARNING SURFACE SHALL BE BRICK RED.

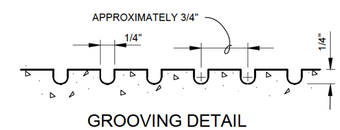


RAISED TRUNCATED DOME PATTERN (IN-LINE)

DETECTABLE WARNING SURFACE



RAISED TRUNCATED DOME



GROOVING DETAIL

26 C502 CURB RAMP - TYPICAL DETAILS

SCALE: NTS

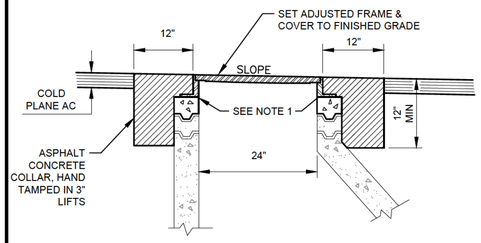
PREPARED BY: CITY OF ARCATA ENGINEERING DEPARTMENT

NO.	DATE	REVISION	BY

Details 2014 RAILS WITH TRAILS PHASE ONE

Date 1/10/2014
Scale NTS
Sheet No. 27 OF 36
Drawing C502

Plotted By:Terry Barney Plot Date: 1/31/2014 RwT_Details_2014-01-09.dwg

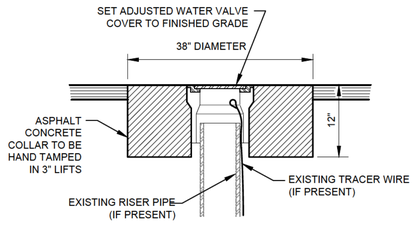


NOTES:

1. SHIMS SHALL BE PLACED UNDER THE MANHOLE FRAME & LID ON TOP OF THE HIGHEST GRADE RING AS NEEDED SUCH THAT THE FRAME & LID ARE FLUSH WITH THE FINISHED GRADE OF THE STREET. THE MINIMUM SHIM HEIGHT IS ONE INCH. CONCRETE SHALL BE PLACED IN BETWEEN THE HIGHEST GRADE RING AND THE SHIMMED FRAME & LID WHEN THE CONCRETE COLLAR IS CONSTRUCTED, IN EFFECT CREATING A 'CAST-IN-PLACE' GRADE RING OF VARYING THICKNESS.
2. ALL GRADE RINGS SHALL BE SEALED WITH NON-SHRINK GROUT ON BOTH INNER AND OUTER FACES OF EACH JOINT.

TYPICAL ADJUST MANHOLE TO GRADE DETAIL

30 / C-503 SCALE: NTS

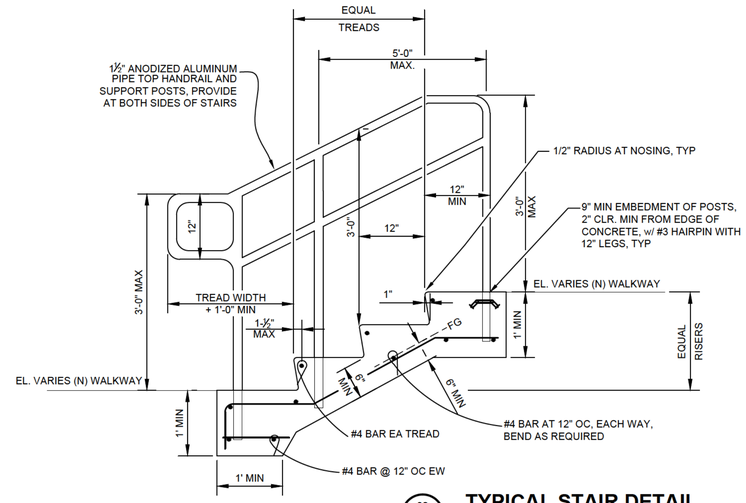


NOTES:

1. INSURE POT SLIDES FREELY OVER SLEEVE PIPE.
2. HOT MIX ASPHALT SHALL BE PLACED IN LIFTS AND COMPACTED.
3. LID OF POT SHOULD MATCH HEIGHT OF ADJACENT ASPHALT.
4. EDGES OF EXISTING PAVEMENT SHALL BE CLEAN AND FREE OF DUST WITH A TACK COAT APPLIED BEFORE PAVING.
5. IF CLEAN OUT IS PLACED IN GRASS OR DIRT, RAISE POT 2 INCHES ABOVE GROUND LEVEL, AND POUR A 1 FOOT WIDE P.C.C. RING AROUND VALVE POT, 8 INCHES DEEP.

TYPICAL ADJUST WATER VALVE COVER TO GRADE DETAIL

31 / C-503 SCALE: NTS

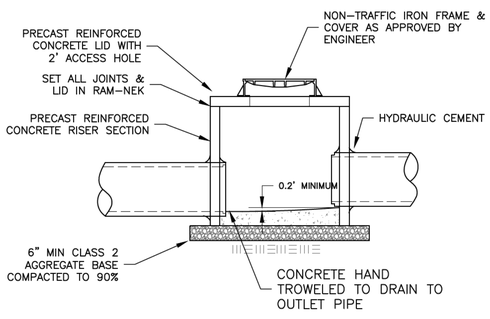


NOTES:

1. CONCRETE SHALL BE A LIGHT BROOM FINISH.
2. RISERS SHALL BE NO LESS THAN 4" TALL AND NO GREATER THAN 7" TALL.
3. ALL EXTERIOR STAIR THREADS SHALL HAVE 2" WIDE MIN. WARNING STRIPES PER CBC 1133B.4.4
4. CONCRETE TO BE 2,500 PSI MIN.
5. POUR CONCRETE OVER COMPACTED SUBGRADE.
6. STAIR RISE & TREAD TO BE DETERMINED FOR SITE CONDITIONS BASED ON REQUIREMENTS.
7. THE TOP AND BOTTOM LANDINGS SHALL SLOPE NO MORE THAN 2% IN ANY DIRECTION.
8. BASE OF CONCRETE TO BE 6" MIN BELOW FINISHED GRADE
9. STAIRS WITH INTERMEDIATE LANDINGS SHALL BE POURED CONTINUOUS THROUGH THE LANDING WITH NO JOINTS.
10. STAIRS WITH INTERMEDIATE LANDINGS SHALL HAVE A CONTINUOUS RAILING THROUGH THE LANDING WITH NO GAPS.

TYPICAL STAIR DETAIL

32 / C 503 SCALE: NTS

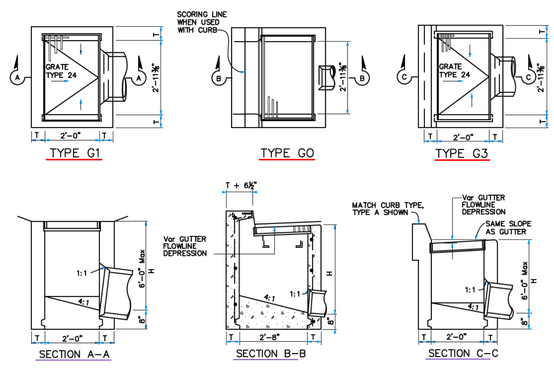


NOTES:

1. BED RISER ON CLASS 2 AGGREGATE BASE
2. PACK AROUND PIPES WITH HYDRAULIC CEMENT
3. SHAPE CONCRETE FLOOR TO ELIMINATE STANDING WATER

TYPICAL NON-TRAFFIC AREA STORM DRAIN MAN HOLE DETAIL

33 / C503 SCALE: NTS

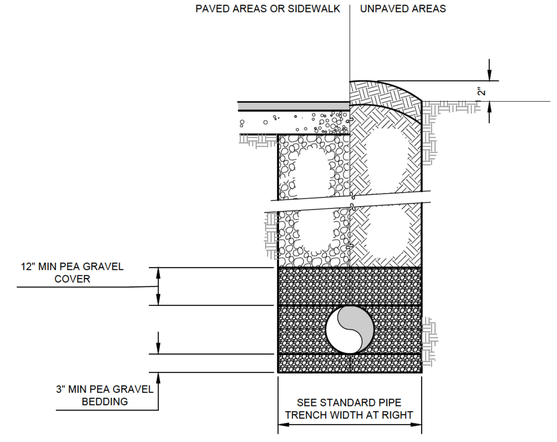


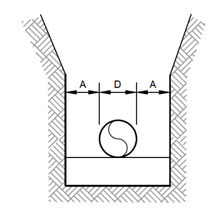
NOTES:

1. "H" IS THE DIFFERENCE IN ELEVATION BETWEEN THE OUTLET PIPE FLOW LINE AND THE NORMAL GUTTER GRADE LINE UNDEPRESSED.
2. WALL REINFORCING NOT REQUIRED WHEN "H" IS 8'-0" OR LESS AND THE UNSUPPORTED WIDTH OR LENGTH IS 7'-0" OR LESS. WALLS EXCEEDING THESE LIMITS SHALL BE REINFORCED WITH #4 BARS @ 1'-6" ℄ CENTERS PLACED 1" CLEAR TO INSIDE OF BOX UNLESS OTHERWISE SHOWN.
3. DETAILS SHOWN APPLY TO BOTH METAL AND CONCRETE PIPE.
4. PIPE(S) CAN BE PLACED IN ANY WALL OR FLOOR.
5. CURB SECTION SHALL MATCH ADJACENT CURB.
7. BASIN FLOORS SHALL HAVE WOOD TROWEL FINISH AND SHALL SLOPE TOWARD THE OUTLET PIPE AS SHOWN.
8. SET INLET SO THAT GRATE BARS ARE PARALLEL TO DIRECTION OF PRINCIPAL SURFACE FLOW.
9. CAST-IN-PLACE OR PRECAST ALTERNATIVE IS OPTIONAL WITH CONTRACTOR. SEE STANDARD SPECIFICATIONS.

TYPICAL DRAIN INLET DETAILS

34 / C503 SCALE: NTS





PIPE DIA "D"	MINIMUM "A"	MAXIMUM "A"
< 4"	3"	6"
4" TO 6"	6"	12"
6" TO 15"	8"	14"
16" TO 21"	10"	16"
24" TO 30"	12"	18"
33" TO 42"	15"	21"
48" & LARGER	18"	24"

NOTES:

1. WIDER TRENCHES MAY REQUIRE HIGHER STRENGTH PIPE AND/OR SPECIAL BEDDING.
2. FOR MULTIPLE PIPE TRENCHES SEPARATE PIPES BY 12". FOR CONDUITS IN PIPE TRENCH SEPARATE BY 6".
3. DIFFERING TRENCH WIDTHS REQUIRE PRIOR APPROVAL OF ENGINEER.
4. IN UNSTABLE SOILS INCREASE THE TRENCH WIDTH TO 5 PIPE DIAMETERS FOR PVC PIPE.
5. IN MAKING EXCAVATIONS FOR THIS PROJECT, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PROVIDING & INSTALLING ADEQUATE SHEETING, SHORING & BRACING AS MAY BE NECESSARY AS A PRECAUTION AGAINST SLIDES OR CAVE-INS, AND TO PROTECT ALL (E) IMPROVEMENTS OF ANY KIND, EITHER ON PUBLIC OR PRIVATE PROPERTY, FULLY FROM DAMAGE.
6. PLACEMENT OF 2-SACK SLURRY BACKFILL IN TRENCH WHEN MINIMUM PIPE COVER NOT POSSIBLE SHALL BE SUBJECT TO APPROVAL BY CITY ENGINEER.
7. NATIVE TOPSOIL SHALL BE STOCKPILED SEPARATELY FROM NATIVE SUBSOIL.
8. TRENCHES IN ROADWAY SHALL BE CAPPED WITH 1" OF ASPHALT COLD MIX IF HOT MIX ASPHALT WILL NOT BE PLACED WITHIN 24 HOURS.

TYPICAL TRENCH DETAIL

35 / C503 SCALE: NTS

PREPARED BY: CITY OF ARCATA ENGINEERING DEPARTMENT

No.	DATE	REVISION	BY

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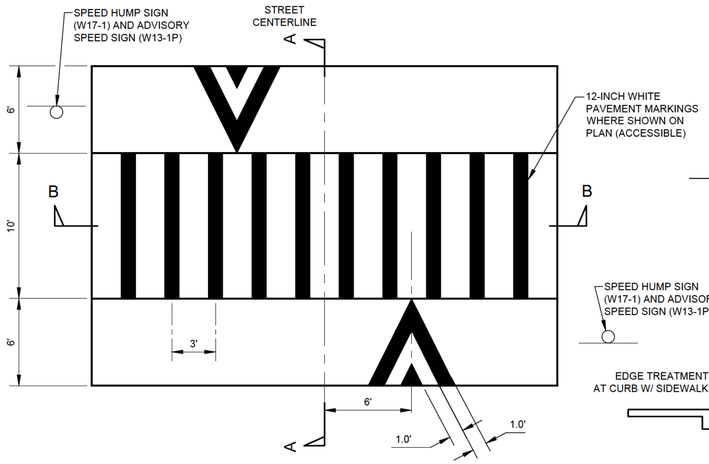
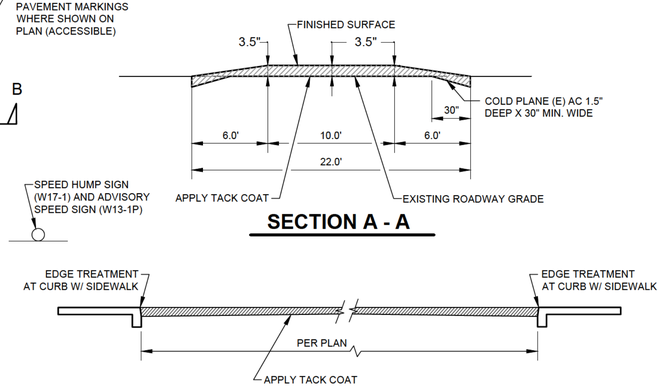
Plotted By:Terry Barney Plot Date: 1/31/2014 RwT_Details_2014-01-09.dwg



PLAN

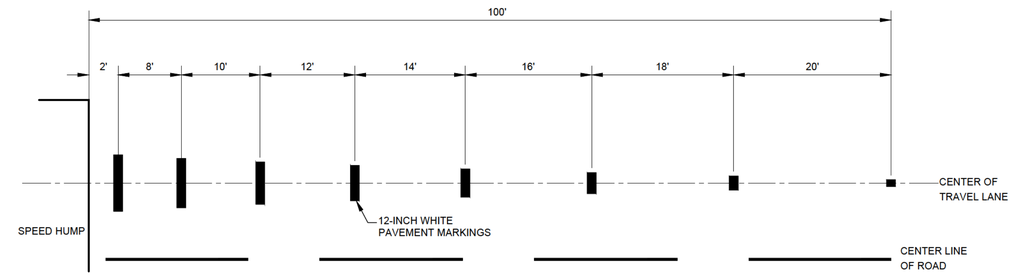


SECTION A - A

SECTION B - B (ACCESSIBLE)

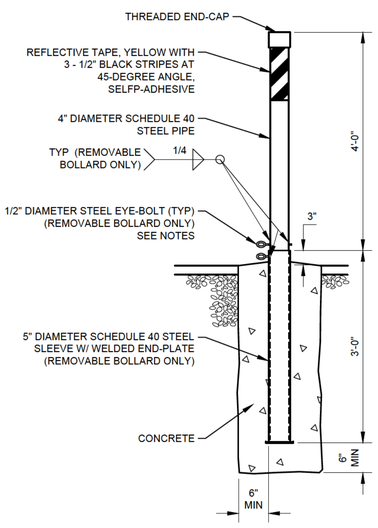
40 / C504 **TYPICAL SPEED HUMP DETAILS**

SCALE: NTS



41 / C504 **SPEED HUMP ADVANCE WARNING MARKINGS DETAIL**

SCALE: NTS

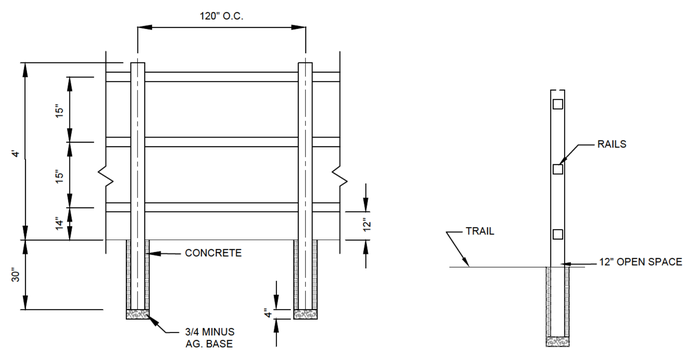


NOTES:

1. DRILL 5/8" DIAMETER HOLE THROUGH 4" DIAMETER PIPE AND INSERT EYE-BOLT. WELD EYE-BOLT IN PLACE ON BOTH SIDES OF PIPE (REMOVABLE TRAIL-CENTER BOLLARD ONLY).
2. CUT SECOND EYE-BOLT AND WELD EYE TO 5" DIAMETER SLEEVE (REMOVABLE TRAIL-CENTER BOLLARD ONLY).
3. EYE-BOLTS SHALL BE NO MORE THAN 1/2" APART TO PERMIT PAD LOCKING (REMOVABLE TRAIL-CENTER BOLLARD ONLY).
4. HOT DIP GALVANIZE ALL STEEL AFTER FABRICATION.

42 / C504 **TYPICAL BOLLARD DETAIL**

SCALE: NTS

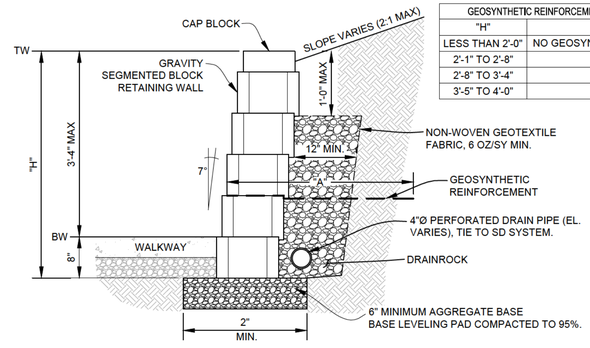


ELEVATION

SECTION

NOTE: ALL WOOD FOR RAIL FENCE TO BE FSC CERTIFIED, SEE PROJECT SPECIFICATIONS FOR MORE INFORMATION INCLUDING DIMENSIONS.

43 / C504 **TYPICAL WOOD FENCE DETAIL**



GEOSYNTHETIC REINFORCEMENT DIMENSIONS	
"H"	"A"
LESS THAN 2'-0"	NO GEOSYNTHETIC REQUIRED
2'-1" TO 2'-8"	24"
2'-8" TO 3'-4"	34"
3'-5" TO 4'-0"	42"

NOTES:

1. DRAINROCK SHALL BE DURABLE GRANULAR MATERIAL, 100% PASSING THE 1½" SIEVE, AND NOT OVER 3% PASSING THE NO. 10 SIEVE. WASHED PEA GRAVEL, OR DRAINROCK AS COMMONLY USED FOR SEPTIC LEACHFIELD OR HIGHWAY APPLICATIONS SHOULD QUALIFY AS PERMEABLE MATERIAL. DRAINROCK SHOULD BE PLACED TO APPROXIMATELY THREE-QUARTERS THE HEIGHT OF THE RETAINING WALL.
2. PIPE SHOULD CONFORM TO THE REQUIREMENTS OF SECTION 68 OF THE CALTRANS STANDARDS SPECIFICATIONS, PERFORATIONS PLACED DOWN, SLOPED AT 1% FOR GRAVITY FLOW TO OUTLET. THE PIPE INVERT SHOULD BE LOCATED AT LEAST 8 INCHES BELOW THE FINISHED GRADE.
3. DURING COMPACTION THE CONTRACTOR SHOULD USE APPROPRIATE METHODS SUCH AS TEMPORARY BRACING AND/OR LIGHT COMPACTION EQUIPMENT TO AVOID OVERSTRESSING THE WALLS. NON-EXPANSIVE SOILS SHALL BE USED AS BACKFILL.
4. SLOPE EXCAVATION BACK AT A 1:1 GRADIENT FROM THE BACK OF FOOTING WHERE EXPANSIVE MATERIALS ARE EXPOSED.

44 / C504 **TYPICAL GRAVITY RETAINING WALL DETAIL**

SCALE: NTS

PREPARED BY:

CITY OF ARCATA
ENGINEERING DEPARTMENT

NO.	DATE	REVISION	BY

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PHASE ONE

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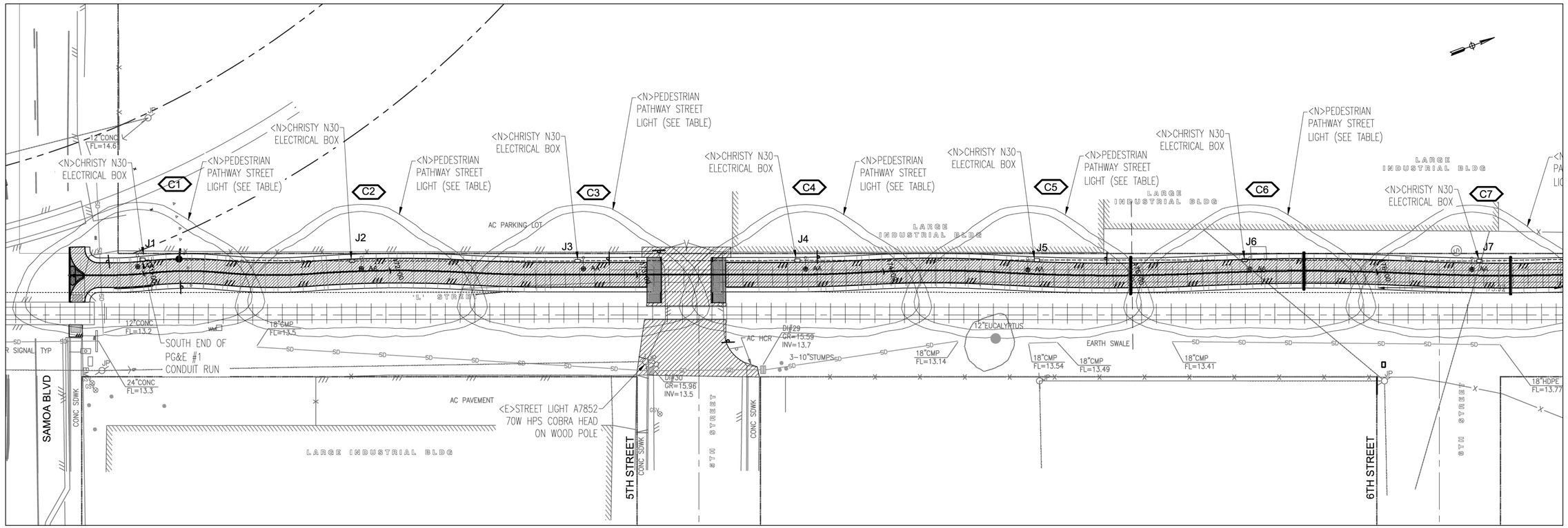
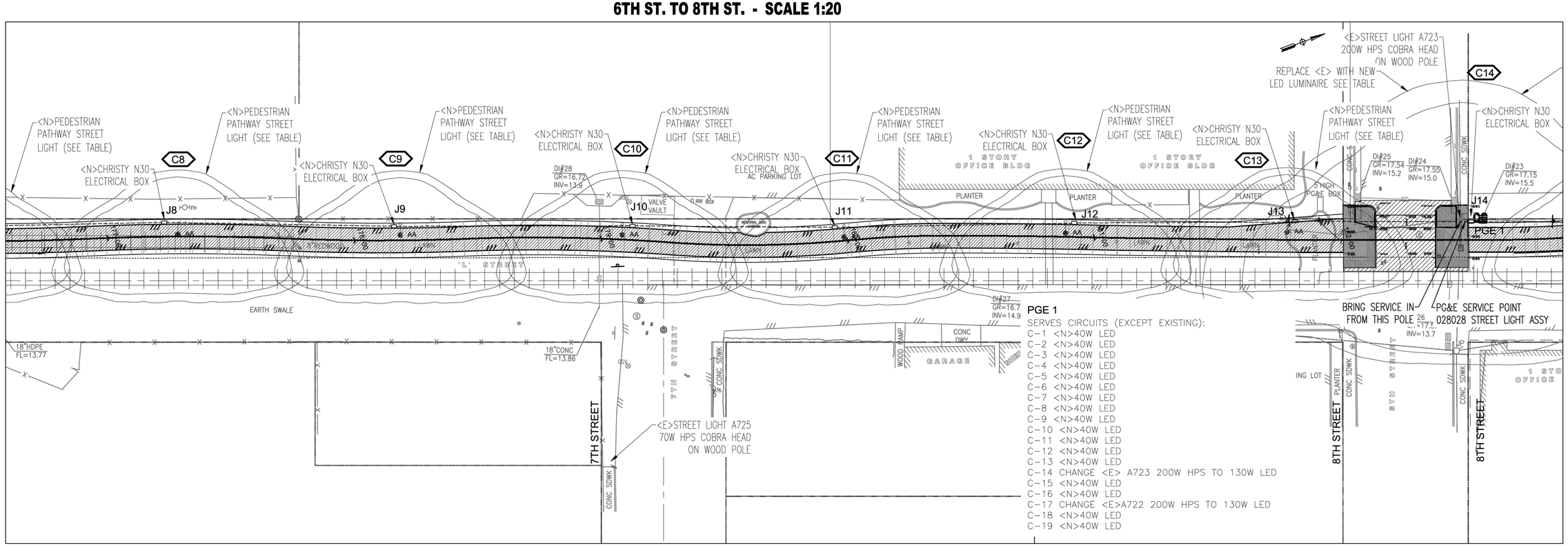
SAMOA BLVD TO 6TH ST. - SCALE 1:20



6TH ST. TO 8TH ST. - SCALE 1:20



PGE 1

SERVES CIRCUITS (EXCEPT EXISTING):

C-1 <N>40W LED
C-2 <N>40W LED
C-3 <N>40W LED
C-4 <N>40W LED
C-5 <N>40W LED
C-6 <N>40W LED
C-7 <N>40W LED
C-8 <N>40W LED
C-9 <N>40W LED
C-10 <N>40W LED
C-11 <N>40W LED
C-12 <N>40W LED
C-13 <N>40W LED
C-14 CHANGE <E> A723 200W HPS TO 130W LED
C-15 <N>40W LED
C-16 <N>40W LED
C-17 CHANGE <E>A722 200W HPS TO 130W LED
C-18 <N>40W LED
C-19 <N>40W LED

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2/11/2013

City of ARCATA

REGISTERED PROFESSIONAL ENGINEER RICHARD G. ROHLES No. 56487 CIVIL STATE OF CALIFORNIA EXP. 6-30-2015

PREPARED BY: CITY OF ARCATA ENGINEERING DEPARTMENT

ARCATA PUBLIC WORKS

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No.	DATE	REVISION	BY
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RAILS WITH TRAILS PHASE 1

ARCATA, CALIFORNIA

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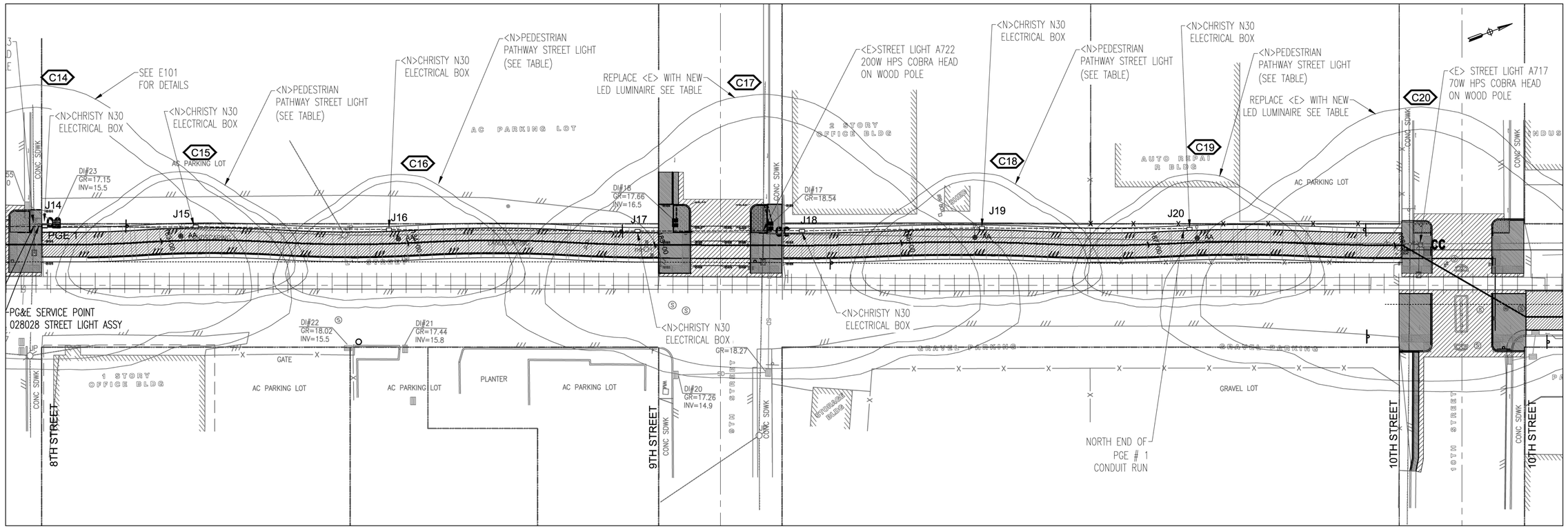
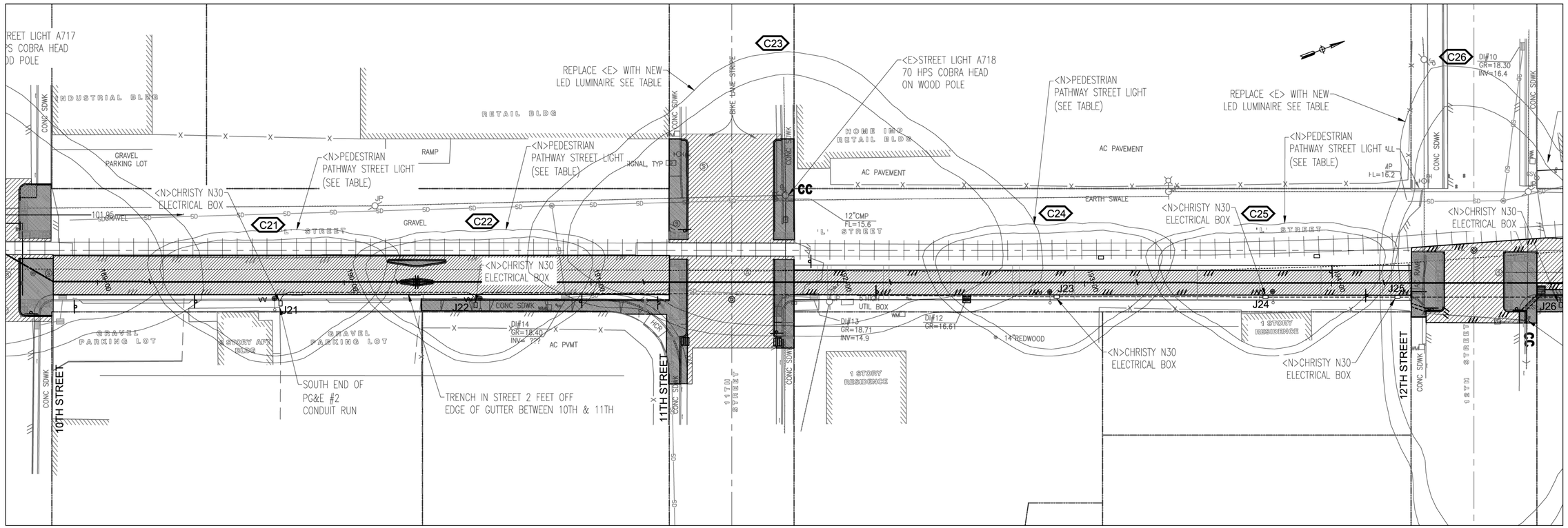
8TH ST. TO 10TH ST. - SCALE 1:20



10TH ST. TO 12TH ST. - SCALE 1:20



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2/11/2013

CITY OF ARCATA

REGISTERED PROFESSIONAL ENGINEER
RICHARD E. CHARLES
EXP. 6-30-2015
No. 56487
CIVIL
STATE OF CALIFORNIA

PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT
ARCATA PUBLIC WORKS

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RAILS WITH TRAILS PHASE 1
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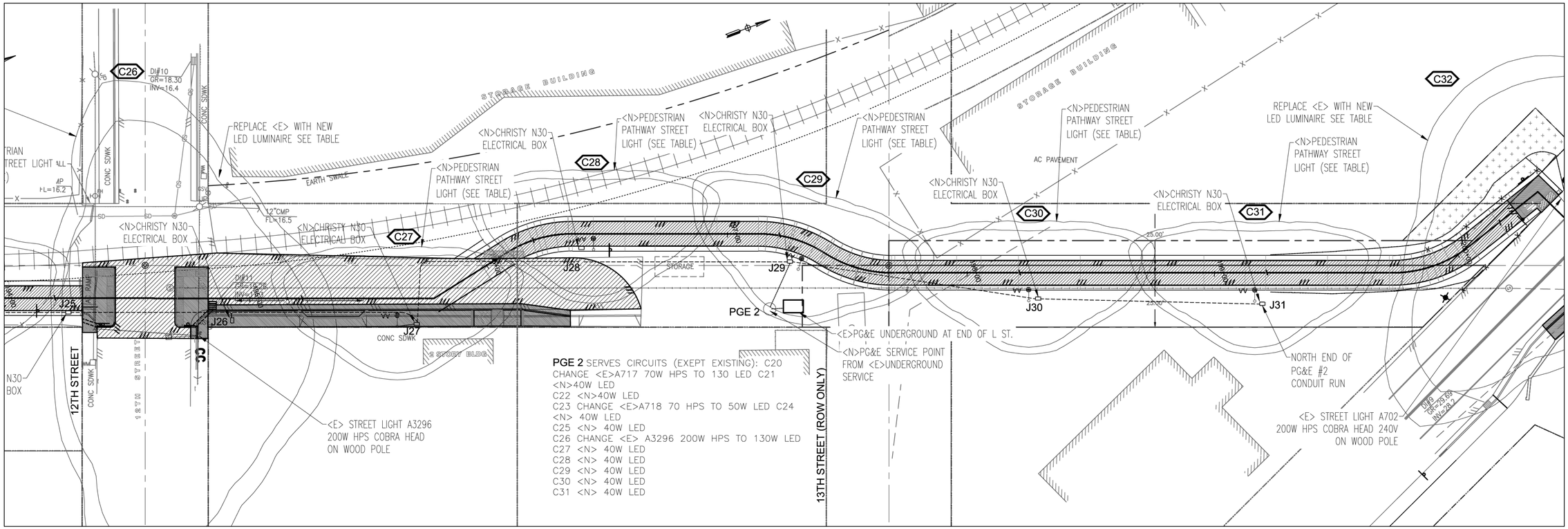
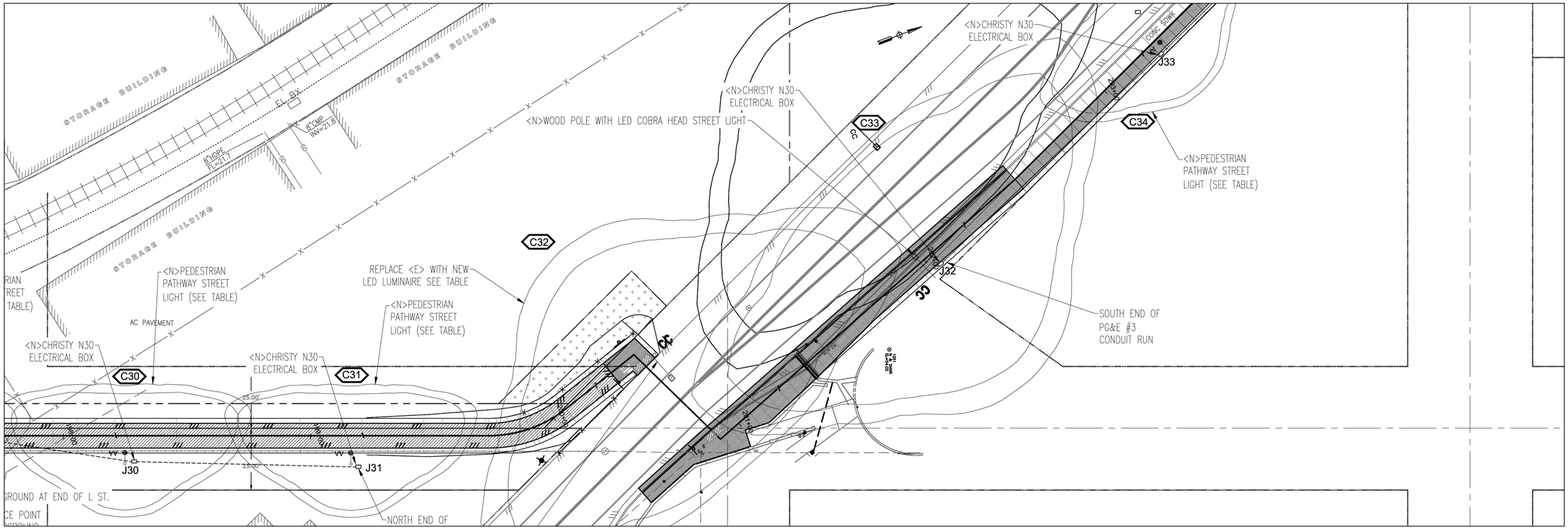
12TH ST. TO ALLIANCE RD. STA 194+00 TO 200+00 - SCALE 1:20



PGE 2 SERVES CIRCUITS (EXEPT EXISTING): C20
CHANGE <E>A717 70W HPS TO 130 LED C21
<N>40W LED
C22 <N>40W LED
C23 CHANGE <E>A718 70 HPS TO 50W LED C24
<N> 40W LED
C25 <N> 40W LED
C26 CHANGE <E> A3296 200W HPS TO 130W LED
C27 <N> 40W LED
C28 <N> 40W LED
C29 <N> 40W LED
C30 <N> 40W LED
C31 <N> 40W LED

ALLIANCE RD. STA 200+00 TO 203+00 - SCALE 1:20



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2/11/2013

City of ARCATA

REGISTERED PROFESSIONAL ENGINEER
RICHARD G. LOS
EXP. 6-30-2015
No. 56487
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PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT
ARCATA PUBLIC WORKS

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RAILS WITH TRAILS PHASE 1
ARCATA, CALIFORNIA

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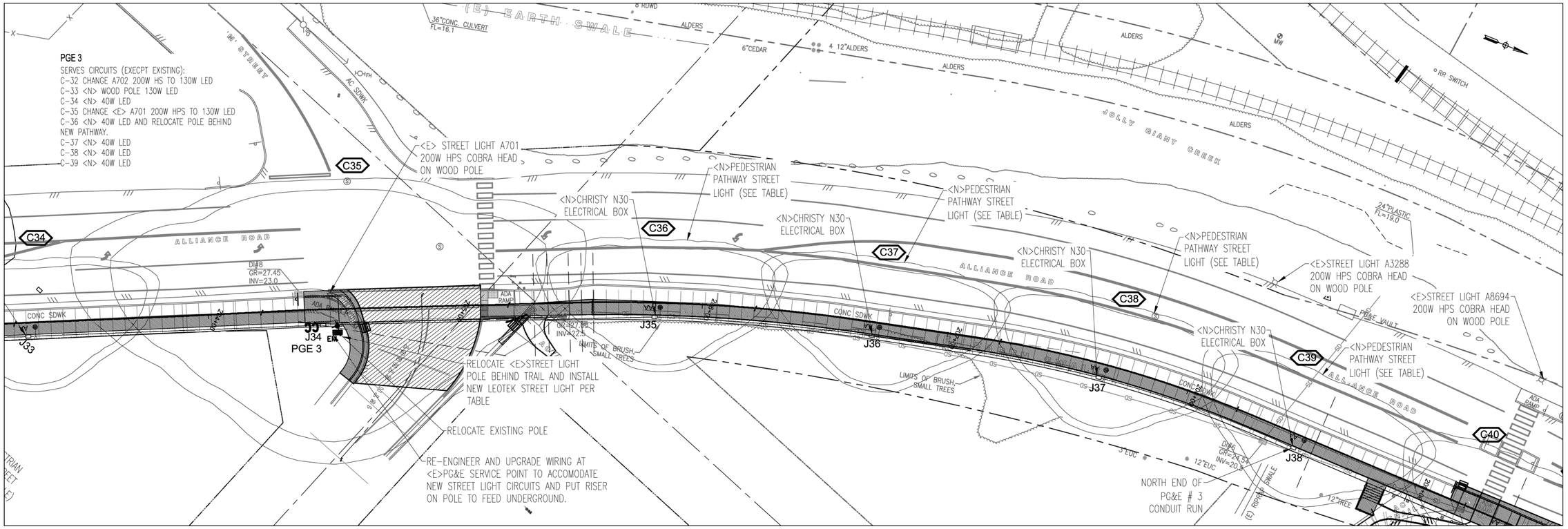
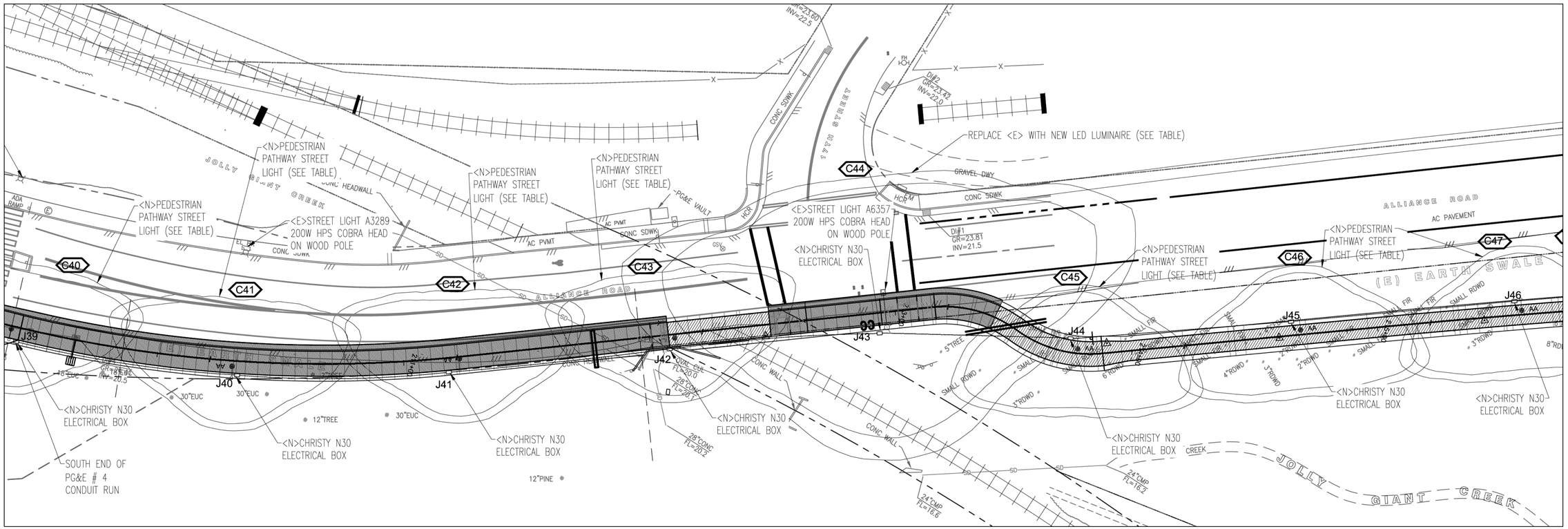
ALLIANCE RD. STA 203+00 - STA 209+00 - SCALE 1:20



ALLIANCE RD. ENTERING SHAY PARK AT 17TH ST. STA 209+17 TO STA 215+60 - SCALE 1:20



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2/11/2013

City of ARCATA

REGISTERED PROFESSIONAL ENGINEER
RICHARD G. ARIS
EXP. 6-30-2015
No. 56487
CIVIL
STATE OF CALIFORNIA

PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT
ARCATA PUBLIC WORKS

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RAILS WITH TRAILS PHASE 1
ARCATA, CALIFORNIA

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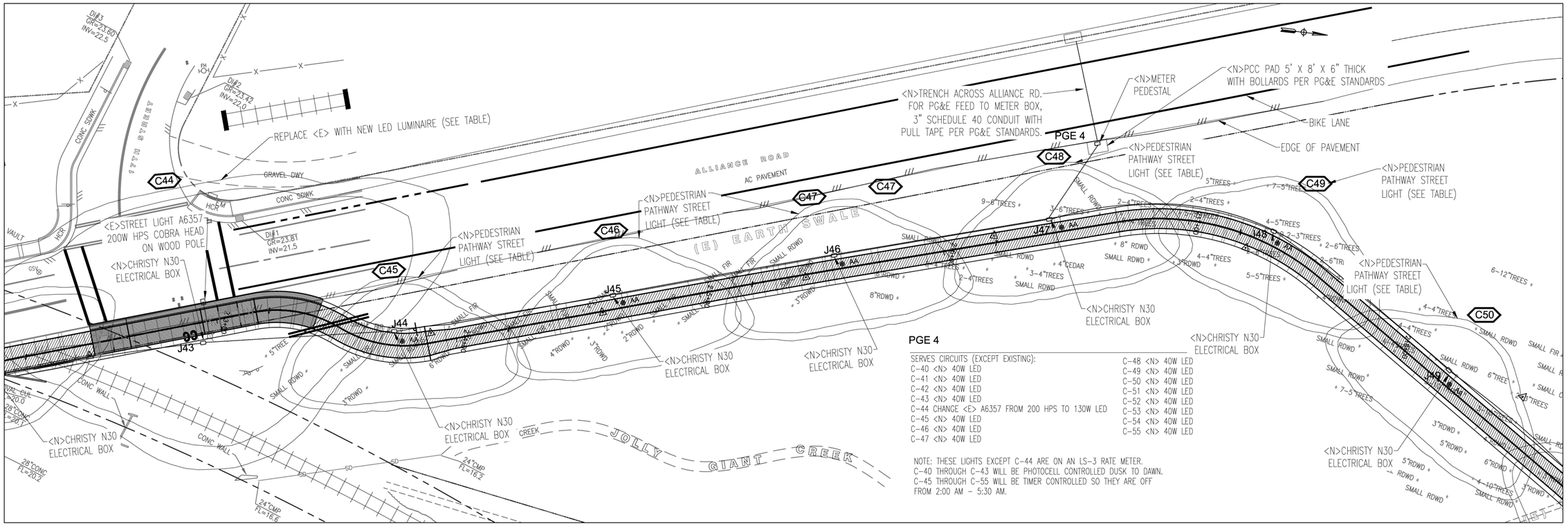
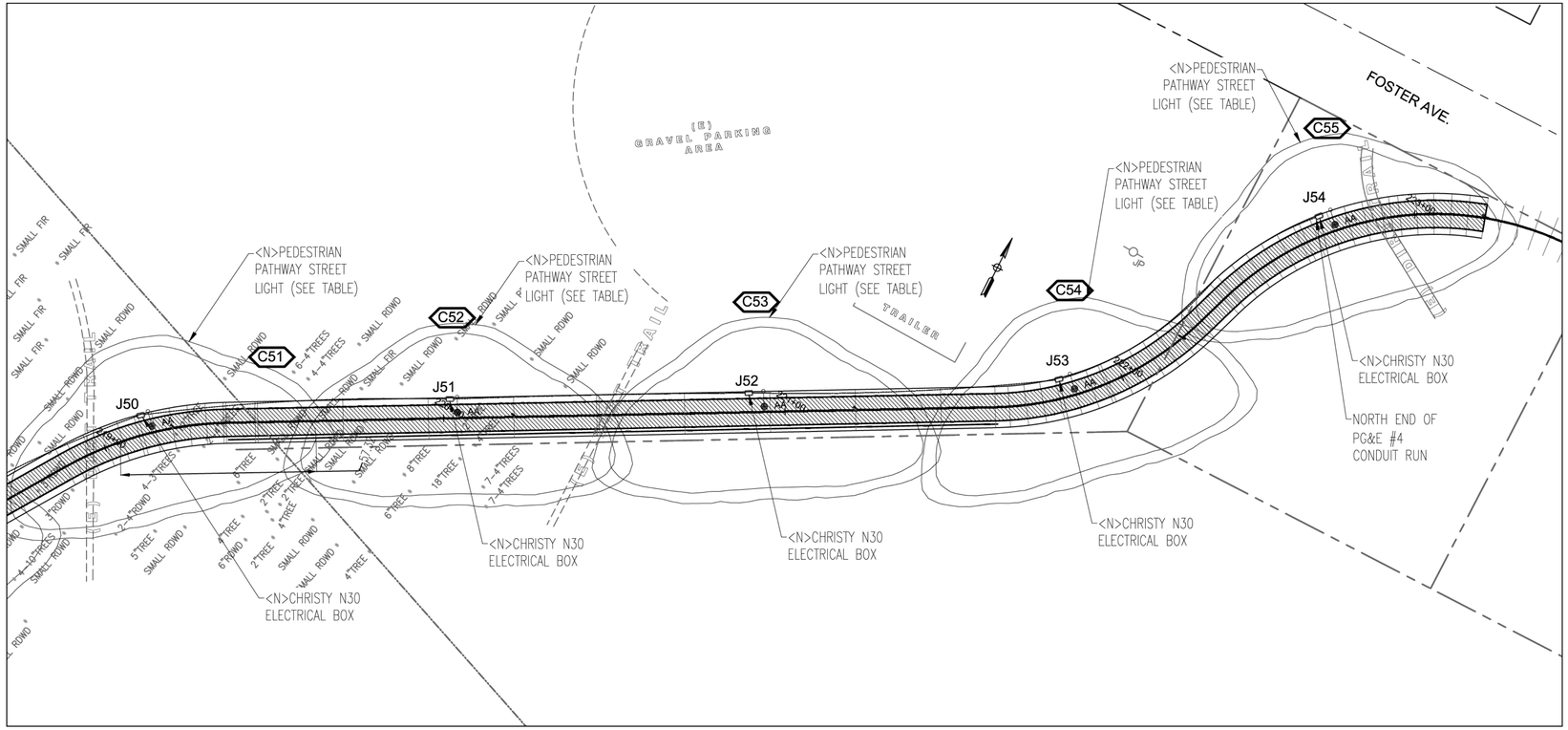
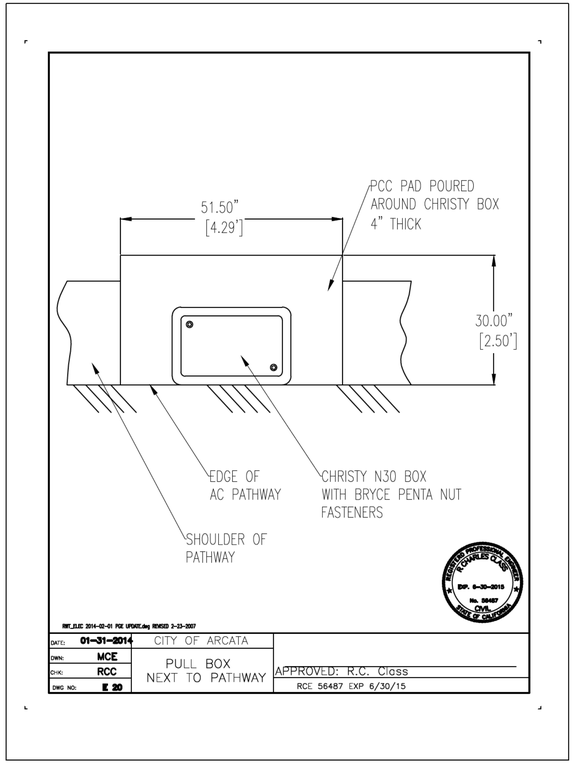
17TH & ALLIANCE TO SHAY PARK STA 212 - STA 218 - SCALE 1:20



SHAY PARK STA 219+57 - STA 225+82 - SCALE 1:20





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2/11/2013

PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT
ARCATA PUBLIC WORKS

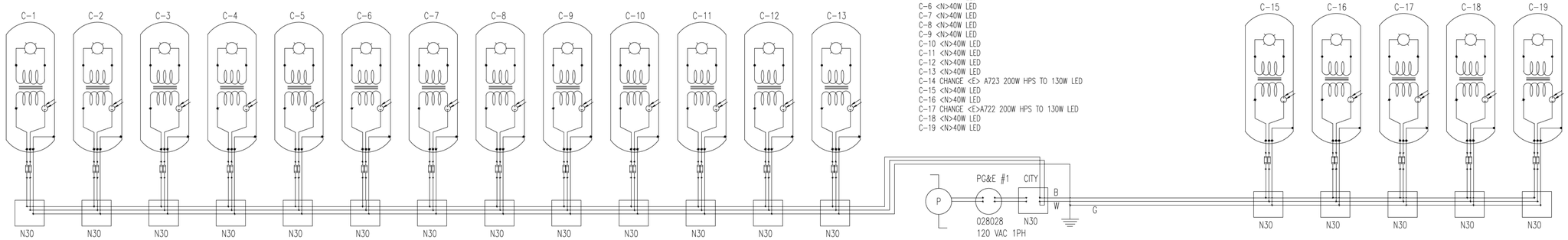
ELECTRICAL

No.	DATE	REVISION	BY
	01/31/14	DRAWN BY: M. EARLY	

RAILS WITH TRAILS PHASE 1
ARCATA, CALIFORNIA

Date 01/31/2014
Scale 1: 20
Sheet No. 34 OF 36
File No. E105

CIRCUIT DIAGRAM FOR NEW LIGHTS



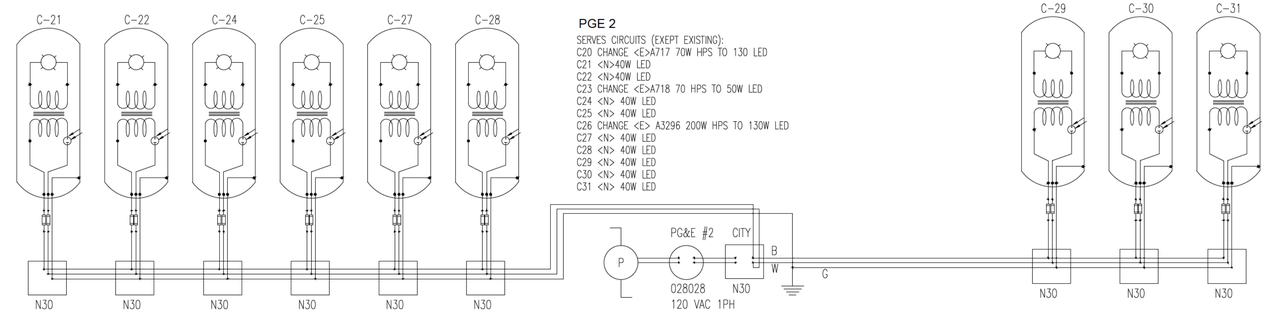
PGE 1
SERVES CIRCUITS (EXCEPT EXISTING):

C-1 <N>40W LED
C-2 <N>40W LED
C-3 <N>40W LED
C-4 <N>40W LED
C-5 <N>40W LED
C-6 <N>40W LED
C-7 <N>40W LED
C-8 <N>40W LED
C-9 <N>40W LED
C-10 <N>40W LED
C-11 <N>40W LED
C-12 <N>40W LED
C-13 <N>40W LED
C-14 CHANGE <E> A723 200W HPS TO 130W LED
C-15 <N>40W LED
C-16 <N>40W LED
C-17 CHANGE <E>A722 200W HPS TO 130W LED
C-18 <N>40W LED
C-19 <N>40W LED

SCHEMATIC FOR PG&E SERVICE POINT 1 - PATHWAY LIGHTING BETWEEN SAMOA BLVD. AND 10TH ST.

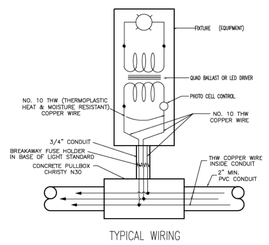
ELECTRICAL SYMBOLS AND LEGEND

- LED 40W LUMINAIRE
- LED DRIVER
- PHOTOCELL
- BUSS KTK-R 0.5 AMP FUSE IN BREAKAWAY FUSE HOLDER: BUSS HEY-AW-DRLC-A
- LUMINAIRE HOUSING – BONDED AND GROUNDED
- N30 — CHRISTY N30 ELECTRICAL ENCLOSURE 18' X 27 1/2" X 12" DP LID SECURED WITH BRYCE FASTENER PENTA BOLT
- PG&E UNDER-GROUND BOX — PG&E #3 — 028028 — PG&E SERVICE POINT USING 028028 STREETLIGHT BOX FROM RISER OR UNDERGROUND FEED.
- P — UTILITY POLE WITH PG&E POWER

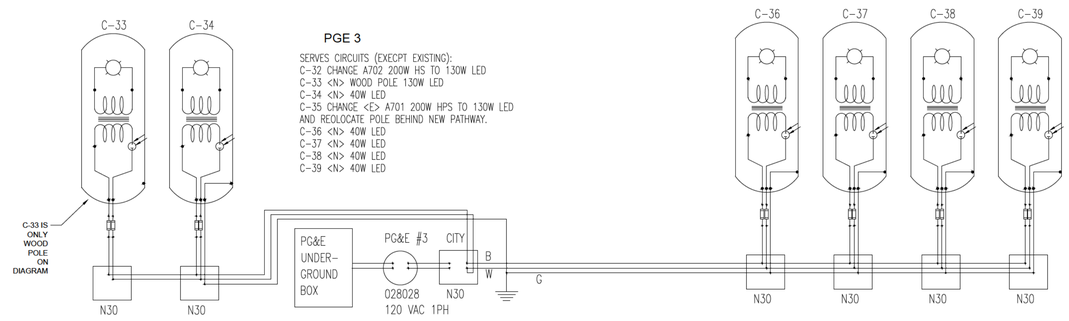


PGE 2
SERVES CIRCUITS (EXEPT EXISTING):
C20 CHANGE <E>A717 70W HPS TO 130 LED
C21 <N>40W LED
C22 <N>40W LED
C23 CHANGE <E>A718 70 HPS TO 50W LED
C24 <N> 40W LED
C25 <N> 40W LED
C26 CHANGE <E> A3296 200W HPS TO 130W LED
C27 <N> 40W LED
C28 <N> 40W LED
C29 <N> 40W LED
C30 <N> 40W LED
C31 <N> 40W LED

SCHEMATIC FOR PG&E SERVICE POINT 2 - PATHWAY LIGHTING 10TH ST. TO ALLIANCE RD.



TYPICAL WIRING



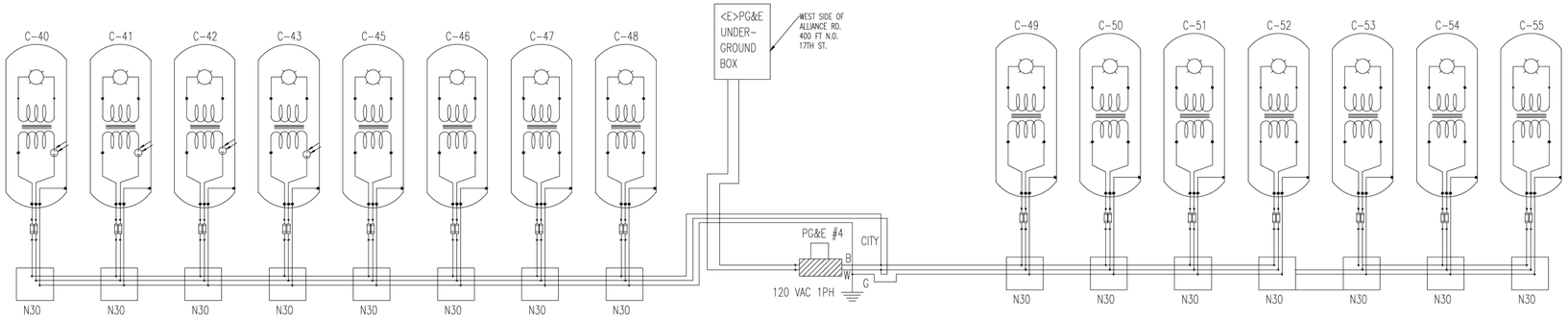
PGE 3
SERVES CIRCUITS (EXECPT EXISTING):
C-32 CHANGE A702 200W HS TO 130W LED
C-33 <N> WOOD POLE 130W LED
C-34 <N> 40W LED
C-35 CHANGE <E> A701 200W HPS TO 130W LED
AND REOLOCATE POLE BEHIND NEW PATHWAY.
C-36 <N> 40W LED
C-37 <N> 40W LED
C-38 <N> 40W LED
C-39 <N> 40W LED

SCHEMATIC FOR PG&E SERVICE POINT 3 - PATHWAY LIGHTING ALLIANCE RD. FROM CROSSING TO NORTH OF 15TH ST.

PGE 4

SERVES CIRCUITS (EXCEPT EXISTING):
C-40 <N> 40W LED
C-41 <N> 40W LED
C-42 <N> 40W LED
C-43 <N> 40W LED
C-44 CHANGE <E> A6357 FROM 200 HPS TO 130W LED
C-45 <N> 40W LED
C-46 <N> 40W LED
C-47 <N> 40W LED
C-48 <N> 40W LED
C-49 <N> 40W LED
C-50 <N> 40W LED
C-51 <N> 40W LED
C-52 <N> 40W LED
C-53 <N> 40W LED
C-54 <N> 40W LED
C-55 <N> 40W LED

NOTE: THESE LIGHTS EXCEPT C-44 ARE ON AN LS-3 RATE METER.
C-40 THROUGH C-43 WILL BE PHOTOCELL CONTROLLED DUSK TO DAWN.
C-45 THROUGH C-55 WILL BE TIMER CONTROLLED SO THEY ARE OFF FROM 2:00 AM – 5:30 AM.



SCHEMATIC FOR PG&E SERVICE POINT 4 - PATHWAY LIGHTING BETWEEN ALLIANCE RD. AND FOSTER AVE.

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2/11/2013

PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT
ARCATA PUBLIC WORKS

ELECTRICAL

No.	DATE	REVISION	BY
	01/31/14	DRAWN BY: M. EARLY	

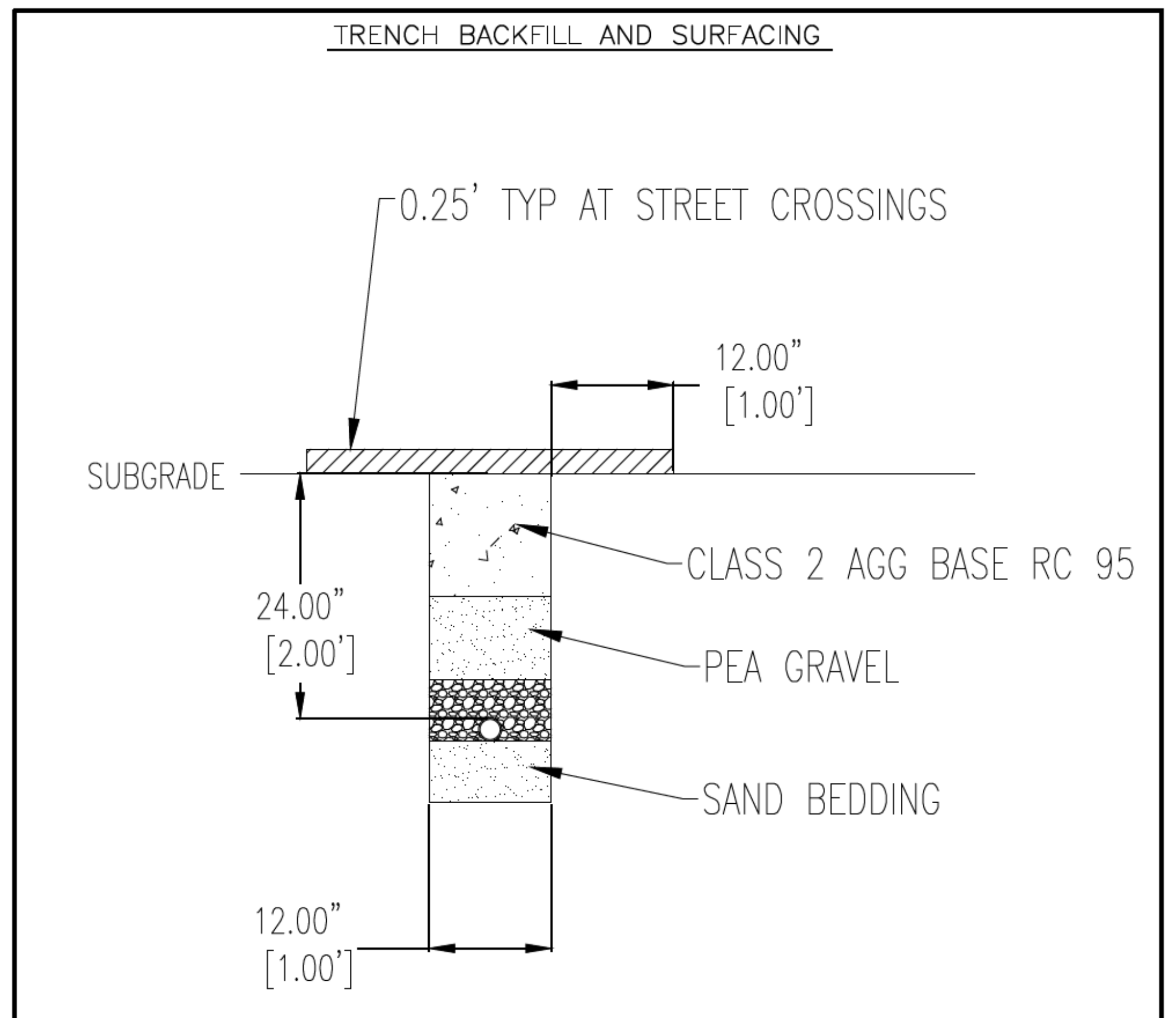
RAILS WITH TRAILS PHASE 1
ARCATA, CALIFORNIA

Date 01/31/2014
Scale NTS
Sheet No. 35 OF 36
File No. E106

STREETLIGHT ELECTRICAL SCHEDULE

CIRCUIT ID	PG&E BADGE #	SERVICE POINT #	CAD BLOCK ID	JUNCTION BOX	WIRE RUN FT	WIRE SIZE	CONDUIT SIZE IN	NEW POLE	LUMINAIRE	MFG PART NUMBER	VOLTAGE	WATTAGE	AMPS	LS-2	POLE TYPE	POLE HEIGHT	FOOTING
C-1	TBA	PGE1	AA	J1	END	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-2	TBA	PGE1	AA	J2	91	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-3	TBA	PGE1	AA	J3	95	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-4	TBA	PGE1	AA	J4	93	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-5	TBA	PGE1	AA	J5	102	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-6	TBA	PGE1	AA	J6	89	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-7	TBA	PGE1	AA	J7	102	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-8	TBA	PGE1	AA	J8	85	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-9	TBA	PGE1	AA	J9	97	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-10	TBA	PGE1	AA	J10	101	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-11	TBA	PGE1	AA	J11	84	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-12	TBA	PGE1	AA	J12	104	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-13	TBA	PGE1	AA	J13	79	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-14	A723	EXISTING	CC	J14	76	6	N/A	NO	LEOTEK	GC1-60E-MV-NW-2-GY-FDC-700-WL	120	131.6	1.1	YES	WOOD	30	NO
C-15	TBA	PGE1	AA	J15	66	6	N/A	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-16	TBA	PGE1	AA	J16	82	6	N/A	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-17	A722	EXISTING	CC	J17, J18	177	6	2	NO	LEOTEK	GC1-60E-MV-NW-2-GY-FDC-700-WL	120	131.6	1.1	YES	WOOD	30	NO
C-18	TBA	PGE1	AA	J19	79	6	N/A	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-19	TBA	PGE1	AA	J20	90	6	N/A	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-20	A717	EXISTING	CC	N/A	N/A	6	N/A	NO	LEOTEK	GC1-60E-MV-NW-2-GY-FDC-700-WL	120	131.6	1.1	YES	WOOD	30	NO
C-21	TBA	PGE2	AA	J21	N/A	6	N/A	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-22	TBA	PGE2	AA	J22	86	6	N/A	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-23	A718	EXISTING	CC	N/A	N/A	6	2	NO	LEOTEK	GC1-60E-MV-NW-2-GY-FDC-700-WL	120	131.6	1.1	YES	WOOD	30	NO
C-24	TBA	PGE2	AA	J23	236	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-25	TBA	PGE2	AA	J24	88	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-26	A3296	EXISTING	CC	J25, J26	127	6	2	YES	LEOTEK	GC1-60E-MV-NW-2-GY-FDC-700-WL	120	131.6	1.1	YES	WOOD	30	NO
C-27	TBA	PGE2	AA	J27	95	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-28	TBA	PGE2	AA	J28	94	6	N/A	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-29	TBA	PGE2	AA	J29	88	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-30	TBA	PGE2	AA	J30	106	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-31	TBA	PGE2	AA	J31	95	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-32	A702	EXISTING	CC	N/A	N/A	6	2	NO	LEOTEK	GC1-60E-MV-NW-2-GY-FDC-700-WL	120	131.6	1.1	YES	WOOD	30	NO
C-33	TBA	PGE3	CC	J32	END	6	2	YES	LEOTEK	GC1-60E-MV-NW-2-GY-FDC-700-WL	120	131.6	1.1	YES	WOOD	30	NO
C-34	TBA	PGE3	AA	J33	131	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-35	A701	EXISTING	CC	J34	127	6	2	NO	LEOTEK	GC1-60E-MV-NW-2-GY-FDC-700-WL	120	131.6	1.1	YES	WOOD	30	NO
C-36	TBA	PGE3	AA	J35	136	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-37	TBA	PGE3	AA	J36	95	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-38	TBA	PGE3	AA	J37	96	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-39	TBA	PGE3	AA	J38	88	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-40	TBA	PGE4	AA	J39	88	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-41	TBA	PGE4	AA	J40	94	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-42	TBA	PGE4	AA	J41	90	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-43	TBA	PGE4	AA	J42	94	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-44	A6357	EXISTING	CC	J43	89	6	2	NO	LEOTEK	GC1-60E-MV-NW-2-GY-FDC-700-WL	120	131.6	1.1	YES	WOOD	30	NO
C-45	TBA	PGE4	AA	J44	81	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-46	TBA	PGE4	AA	J45	94	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-47	TBA	PGE4	AA	J46	92	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-48	TBA	PGE4	AA	J47	92	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-49	TBA	PGE4	AA	J48	96	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-50	TBA	PGE4	AA	J49	94	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-51	TBA	PGE4	AA	J50	96	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-52	TBA	PGE4	AA	J51	94	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-53	TBA	PGE4	AA	J52	91	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-54	TBA	PGE4	AA	J53	95	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES
C-55	TBA	PGE4	AA	J54	100	6	2	YES	LUMEC DOMUS	DOS-40W30LED4K-ES-LE2F-VOLT-DBA-1A-DS53V-14.5-3/4X20-G-8 1/2-DEC-BKTX	120	41.82	0.35	YES	STEEL	14.5'	YES

TRENCH BACKFILL AND SURFACING



NOTES:

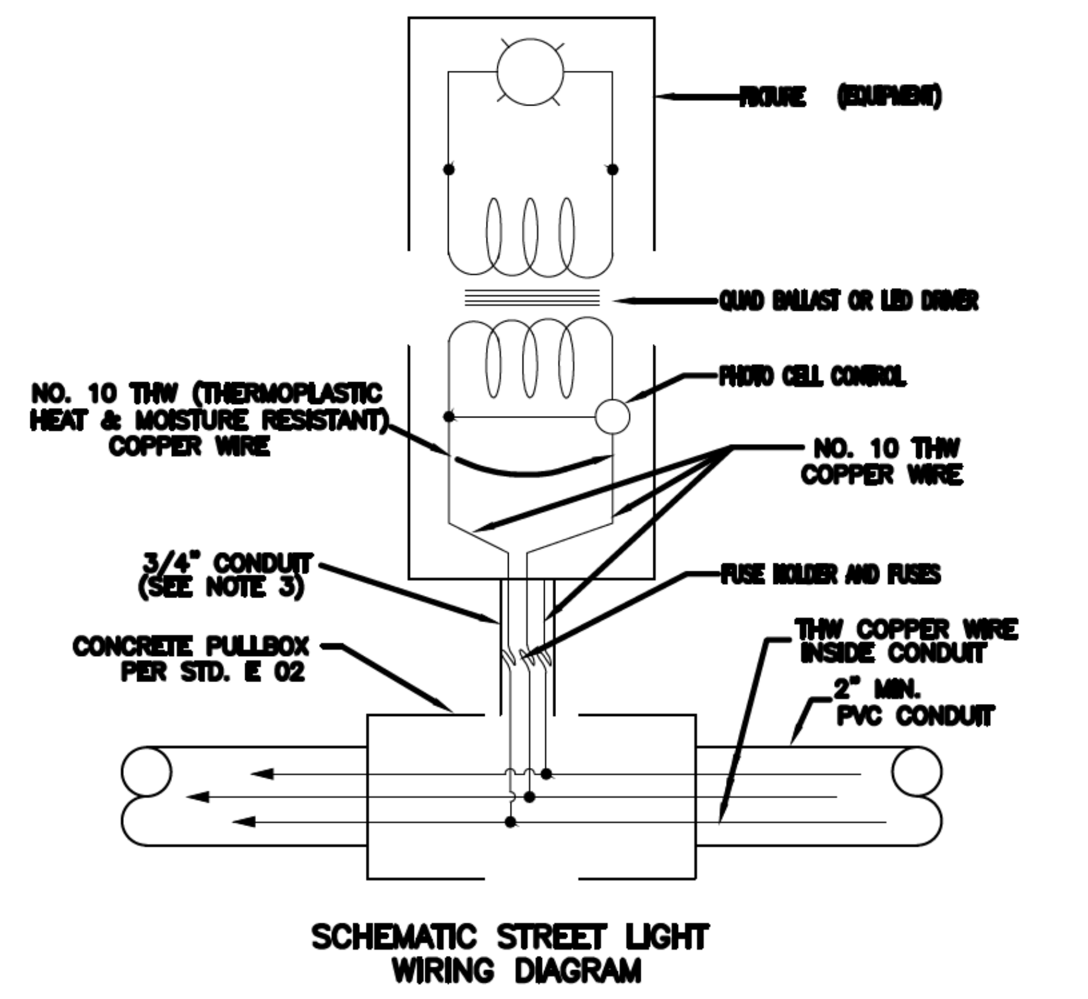
1. 2" SCHED 40 CONDUIT
2. SAW CUT AC PAVEMENT 12" FROM EDGE OF TRENCH AFTER TRENCH IS BACKFILLED.
3. RELATIVE COMPACTION DESIGNATED R.C.
4. THE STREET STRUCTURAL SECTION SHALL BE 3" A.C. ON 12" A.B. OR AS SPECIFIED ON PLANS.

RWT_ELEC 2014-02-01 PGE UPDATE.dwg REVISED 2-23-2007

DATE:	01-17-14	CITY OF ARCATA	
DWN:	MCE	ELECTRICAL TRENCH BACKFILL	APPROVED: R. C. CLASS
CHK:	RCC		R.C.E. 56487 EXP 6/30/2015
DWG NO:	E 04		

R. CHARLES CLASS EXP. 6-30-2015 No. 56487

SCHEMATIC STREET LIGHT WIRING DIAGRAM



NOTES:

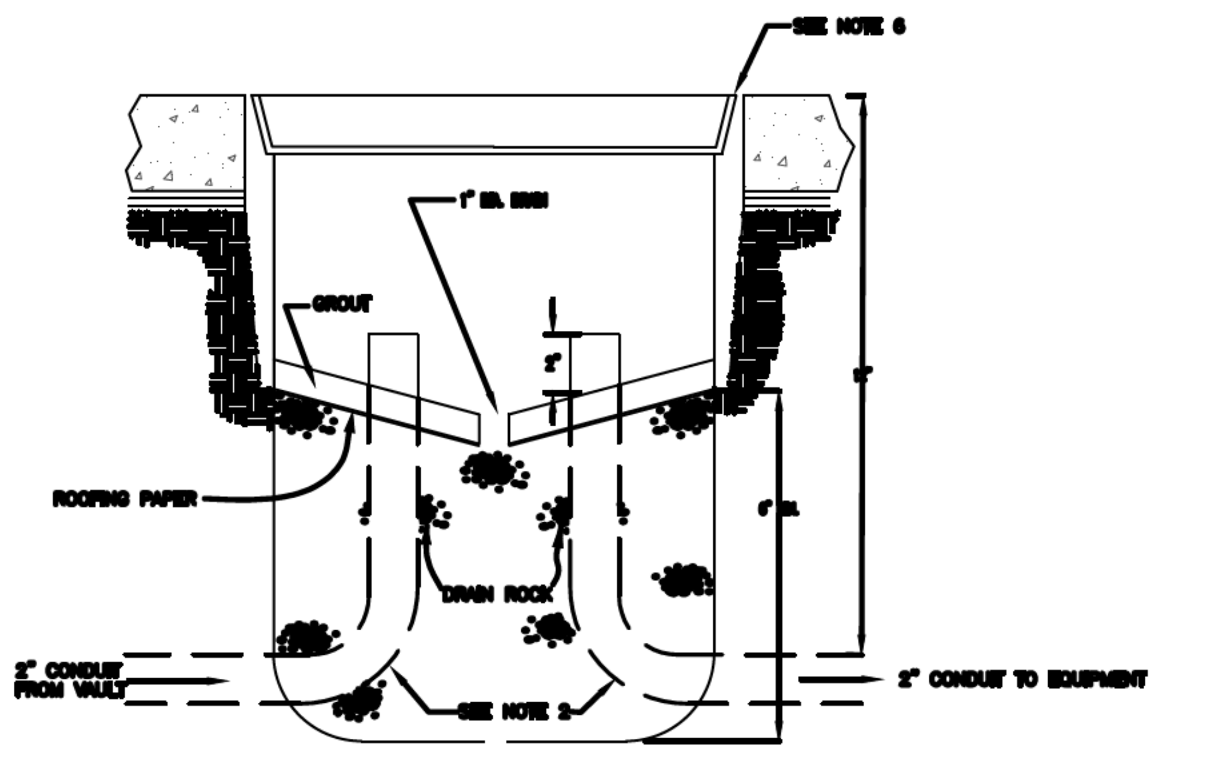
1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. FUSE TO BE USED AS SPECIFIED BY FIXTURE MANUFACTURER AND SHALL BE INSTALLED AT EACH PULL BOX SERVING A STREET LIGHT.
3. SEE STREET LIGHT STANDARDS SPECIFICATIONS (E 00)

RWT_ELEC 2014-02-01 PGE UPDATE.dwg REVISED 2-23-2007

DATE:	09-21-00	CITY OF ARCATA	
DWN:	JEE	STREET LIGHT STANDARD WIRING DIAGRAM	APPROVED R.C. CLASS:
CHK:	DEH		R.C.E. 56487 EXP. 06/30/11
DWG NO:	E 01		

R. CHARLES CLASS EXP. 6-30-2011 No. 56487

CONCRETE PULLBOX



NOTES:

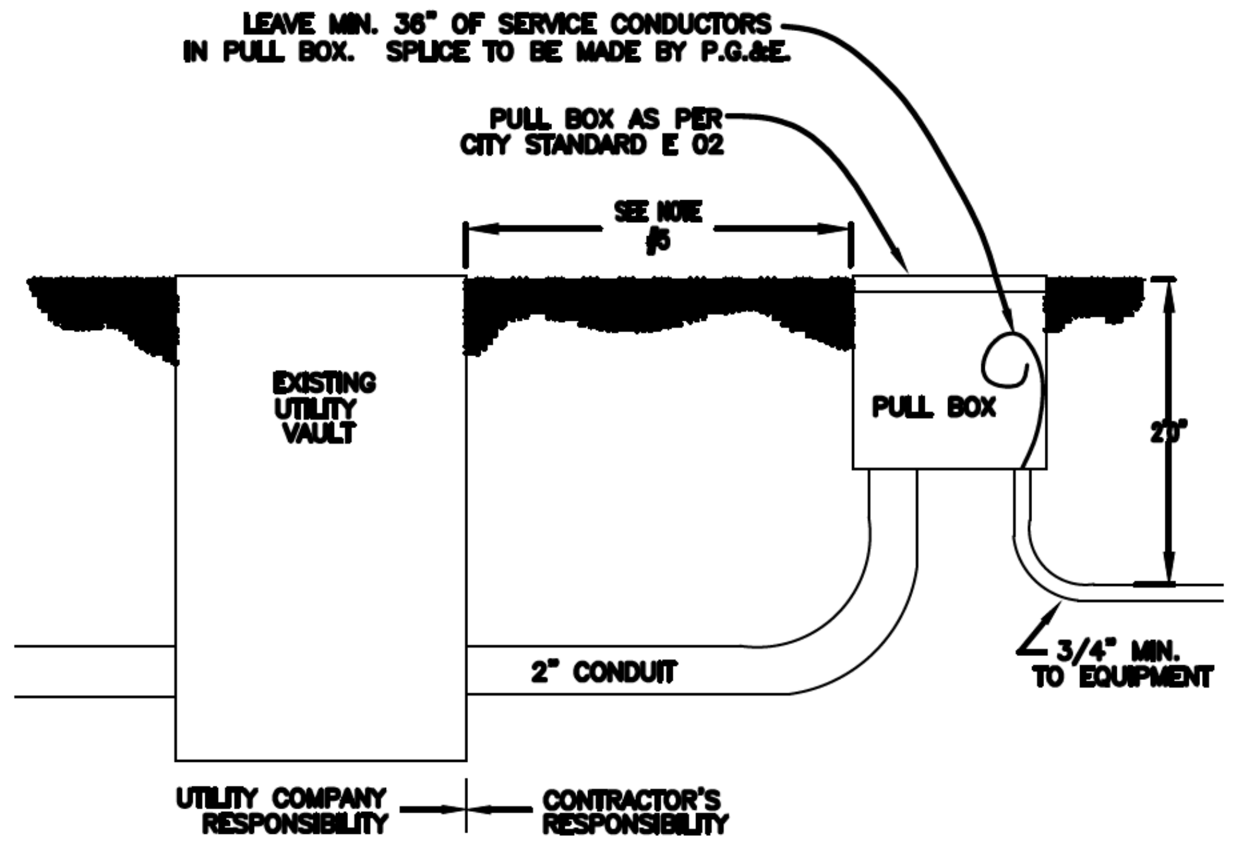
1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. 90° FACTORY-MANUFACTURED LONG RADIUS BEND, TYPICAL.
3. PULLBOX COVERS SHALL BE BOLTED AND INSCRIBED "STREET LIGHTING".
4. A STANDARD BOX AND LID SHALL BE "CHRISTY N-30" OR EQUAL, AS APPROVED BY THE CITY ENGINEER.
5. WITHIN EACH PULL BOX, SUFFICIENT SLACK SHALL BE LEFT TO EXTEND WIRE 18 INCHES ABOVE THE TOP OF PULL BOX GRADE.
6. TOP OF BOX SHALL BE SET AT NEW CURB HEIGHT IN PLANTER AREAS
7. PULL BOX SHALL BE WIRED PER STD PLAN E 01.

RWT_ELEC 2014-02-01 PGE UPDATE.dwg REVISED 2-23-2007

DATE:	09-21-00	CITY OF ARCATA	
DWN:	JEE	PULL BOX INSTALLATION	APPROVED: R.C. Class
CHK:	DEH		RCE 56487 EXP 6/30/11
DWG NO:	E 02		

R. CHARLES CLASS EXP. 6-30-2015 No. 56487

UNDERGROUND SERVICE



NOTES:

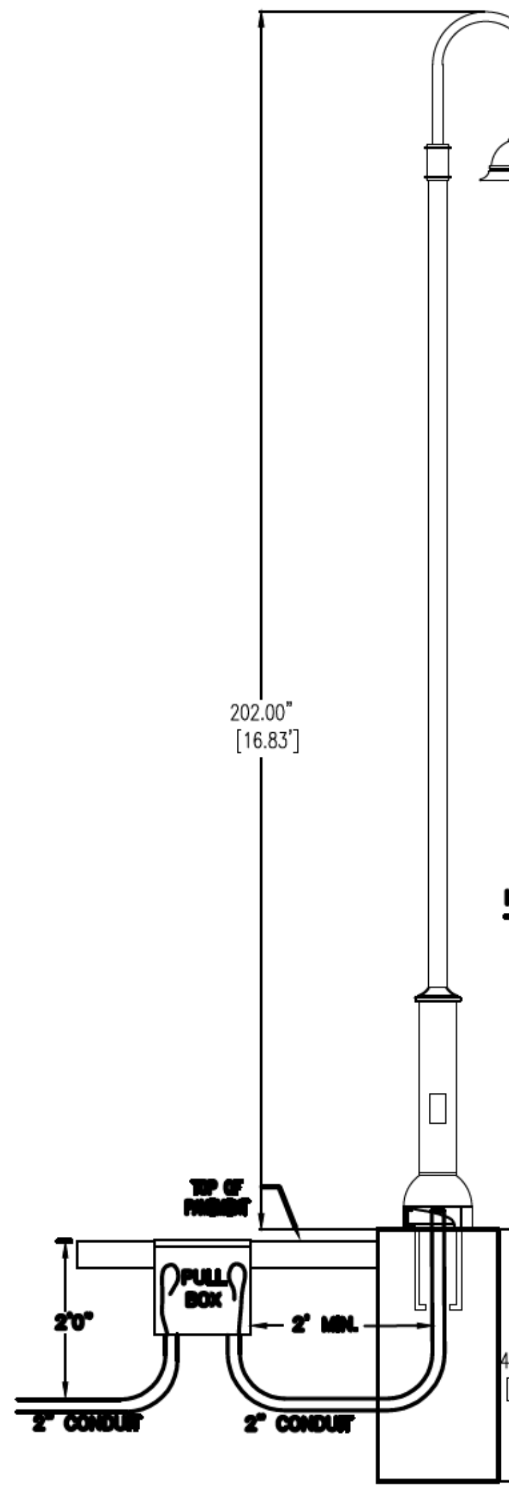
1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. CONTRACTOR TO INSTALL CONDUIT INTO UTILITY CO. VAULT WITH UTILITY CO. REPRESENTATIVE IN ATTENDANCE.
3. CONTRACTOR TO INSTALL PULL BOX AND 2" SERVICE CONDUIT TO UTILITY VAULT, AND 3/4" MIN. CONDUIT AND CONDUCTORS FROM PULL BOX TO EQUIPMENT.
4. CONDUIT AND CONDUCTOR PULL BOX ON SHORT SIDE OF UTILITY VAULT. NO LONG SIDE OR BOTTOM ENTRY TO UTILITY VAULT PERMITTED.
5. 3' MIN. FOR SUBSURFACE TRANSFORMER & 2' MIN. FOR PAD MOUNTED TRANSFORMER.
6. FUSE AND FUSE HOLDER REQUIRED PER STD PLAN E 01.

RWT_ELEC 2014-02-01 PGE UPDATE.dwg REVISED 2-23-2007

DATE:	09-21-00	CITY OF ARCATA	
DWN:	JEE	UNDERGROUND ELECTRIC SERVICE	APPROVED R.C. CLASS:
CHK:	DEH		R.C.E. 56487 EXP. 06/30/2011
DWG NO:	E 03		

R. CHARLES CLASS EXP. 6-30-2011 No. 56487

ARCHITECTURAL STREET LIGHT



NOTES:

1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. CONTRACTOR TO INSTALL CONDUIT INTO UTILITY CO. VAULT WITH UTILITY CO. REPRESENTIVE IN ATTENDANCE.
3. CONTRACTOR TO INSTALL PULL BOX AND A MINIMUM 3/4" SERVICE CONDUIT TO EQUIPMENT, AND A 2" CONDUIT AND CONDUCTORS FROM PULL BOX TO UTILITY VAULT.
4. CONDUIT AND CONDUCTOR PULL BOX ON SHORT SIDE OF UTILITY VAULT. NO LONG SIDE OR BOTTOM ENTRY TO UTILITY CO. VAULT PERMITTED.
5. LEAVE MINIMUM 36" OF SERVICE CONDUCTORS IN PULL BOX. SPLICE TO BE MADE BY THE UTILITY CO.

MANUFACTURER'S NOTES FOR P/N [illegible]:

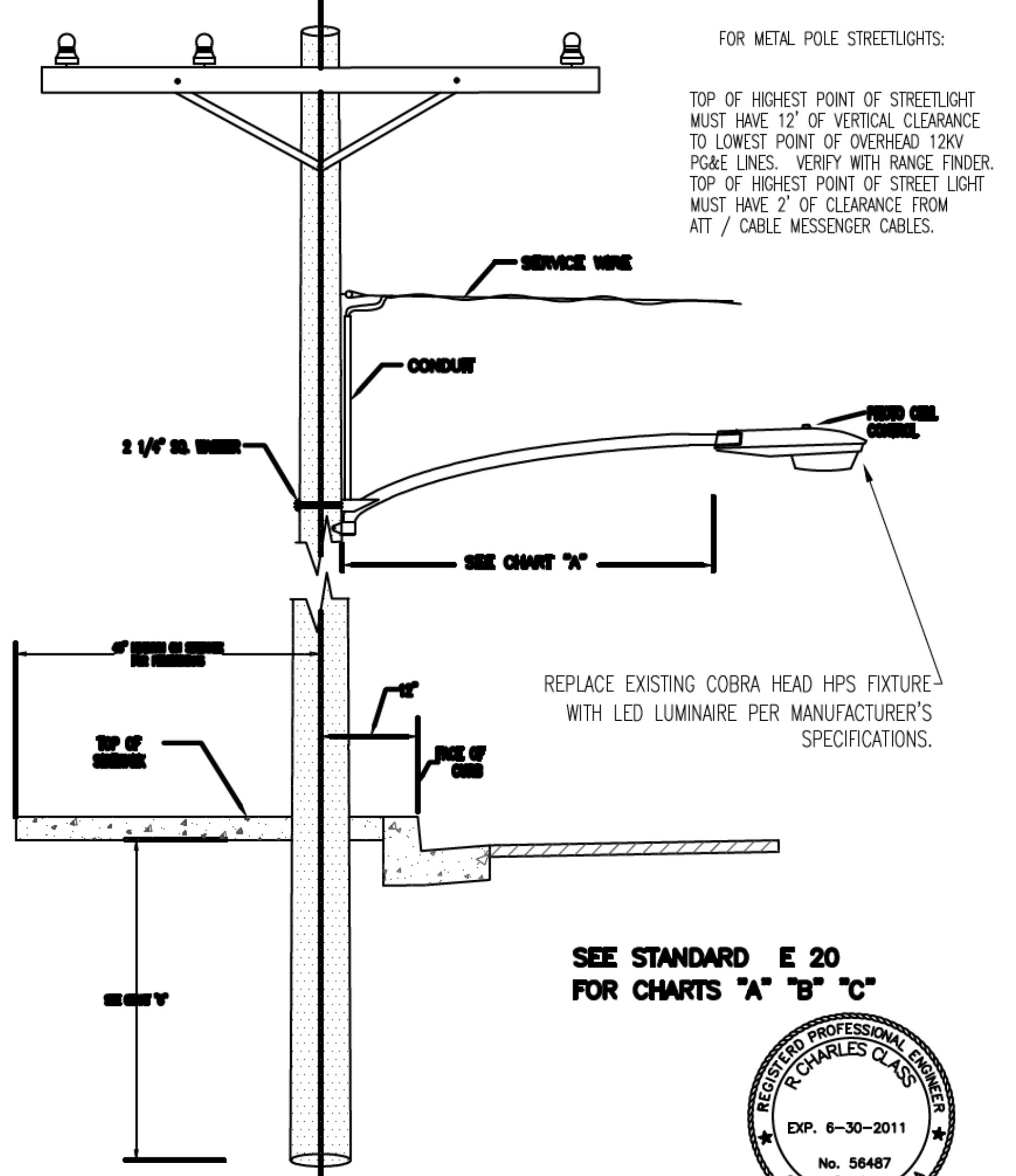
[illegible] A 0.[illegible]" WALL THICKNESS, WELDED TO THE POLE BASE.
2. JOINT COVER: TWO-PIECE ROUND JOINT COVER MADE FROM CAST 356 ALUMINUM, MECHANICALLY FASTENED WITH STAINLESS STEEL SCREWS.
3. POLE BASE: SHALL BE MADE FROM A 5" ROUND [illegible] CARBON STEEL TUBING BASE HAVING A 0.[illegible]" WALL THICKNESS, WELDED TO BOTH THE BOTTOM AND TOP OF THE ANCHOR PLATE.
4. MAINTENANCE OPENING: THE POLE SHALL HAVE A 2" X 4 1/2" MAINTENANCE OPENING CENTERED [illegible] FROM THE BOTTOM OF THE ANCHOR PLATE, COMPLETE WITH A WEATHERPROOF ALUMINUM COVER AND A COPPER GROUND LUG.
5. BASE COVER: TWO PIECE ROUND BASE COVER MADE FROM CAST 356 ALUMINUM, MECHANICALLY FASTENED WITH STAINLESS STEEL SCREWS.
6. TENON: A TENON WILL BE PROVIDED WHEN THE LUMINAIRE OR BRACKET DOES NOT FIT DIRECTLY ON THE POLE SHAFT. TENON NOT SHOWN ON THE DRAWING.
7. MANUFACTURER STRONGLY RECOMMENDS THE INSTALLATION OF THE COMPLETE LIGHTING ASSEMBLY WITH ALL OF ITS ACCESSORIES UPON THE ANCHORING OF THE POLE. THIS WILL ENSURE THAT THE STRUCTURAL INTEGRITY OF THE PRODUCT IS MAINTAINED THROUGHOUT ITS LIFETIME.
8. ANCHOR BOLTS: USE 4 EACH 3/4" X 17" + 3" FULLY HOT DIP GALVANIZED J BOLTS. MANUFACTURER SUPPLIES 8 NUTS & WASHERS. IMPORTANT: DO NOT OBSTRUCT SPACE BETWEEN ANCHOR PLATE AND CONCRETE BASE.
9. BOLT CIRCLE: 8 1/2"
10. FOOTING: 18" SONOTUBE X 4 FOOT DEEP PORTLAND CONCRETE CEMENT. CURED 7 DAYS MINIMUM BEFORE INSTALLING STREETLIGHT.

RWT_ELEC 2014-02-01 PGE UPDATE.dwg REVISED 2-23-2007

DATE:	01-17-2014	CITY OF ARCATA	
DWN:	MCE	ARCHITECTURAL STREET LIGHT LUMEC DOMUS DOS	APPROVED R.C. CLASS:
CHK:	RCC		R.C.E. 56487 EXP. 06/30/2015
DWG NO:	E23		

R. CHARLES CLASS EXP. 6-30-2015 No. 56487

WOOD POLE OVERHEAD SERVICE



FOR METAL POLE STREETLIGHTS:

TOP OF HIGHEST POINT OF STREETLIGHT MUST HAVE 12' OF VERTICAL CLEARANCE TO LOWEST POINT OF OVERHEAD 12KV PG&E LINES. VERIFY WITH RANGE FINDER. TOP OF HIGHEST POINT OF STREET LIGHT MUST HAVE 2' OF CLEARANCE FROM ATT / CABLE MESSENGER CABLES.

REPLACE EXISTING COBRA HEAD HPS FIXTURE WITH LED LUMINAIRE PER MANUFACTURER'S SPECIFICATIONS.

SEE STANDARD E 20 FOR CHARTS "A" "B" "C"

RWT_ELEC 2014-02-01 PGE UPDATE.dwg REVISED 2-23-2007

DATE:	11-05-98	CITY OF ARCATA	
DWN:	JEE	WOOD POLE OVERHEAD SERVICE	APPROVED R.C. CLASS:
CHK:	DEH		R.C.E. 56487 EXP. 06/30/2011
DWG NO:	E 16		

R. CHARLES CLASS EXP. 6-30-2011 No. 56487

PREPARED BY:
CITY OF ARCATA
ENGINEERING DEPARTMENT
ARCATA PUBLIC WORKS

R. CHARLES CLASS EXP. 6-30-2015 No. 56487

ELECTRICAL

No.		BY
01/31/14	DRAWN BY:M. EARLY	

RAILS WITH TRAILS PHASE 1
ARCATA, CALIFORNIA

Date 01/31/2014
Scale 1:20
Sheet No. 36 OF 36
File No. E107

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2/11/2013