

CITY OF ALBANY

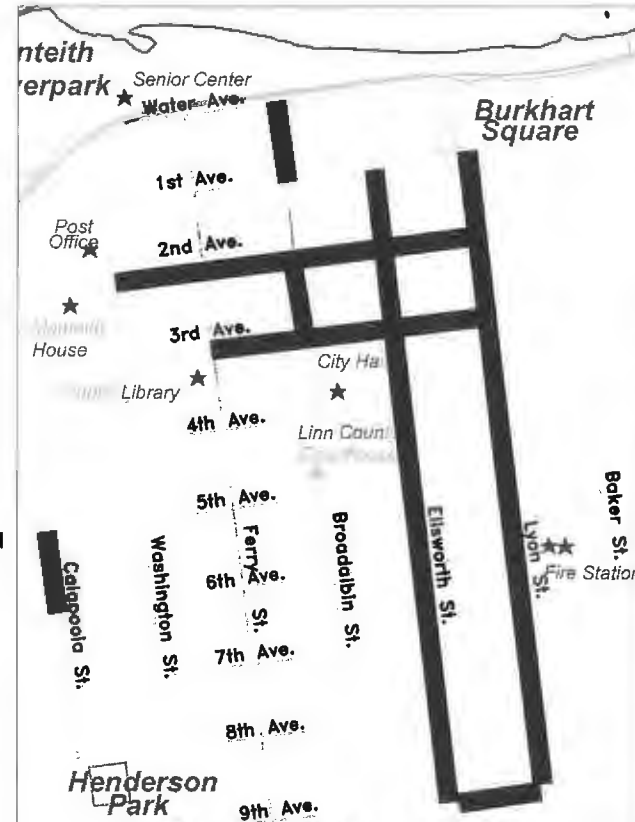
ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2

SHEET INDEX

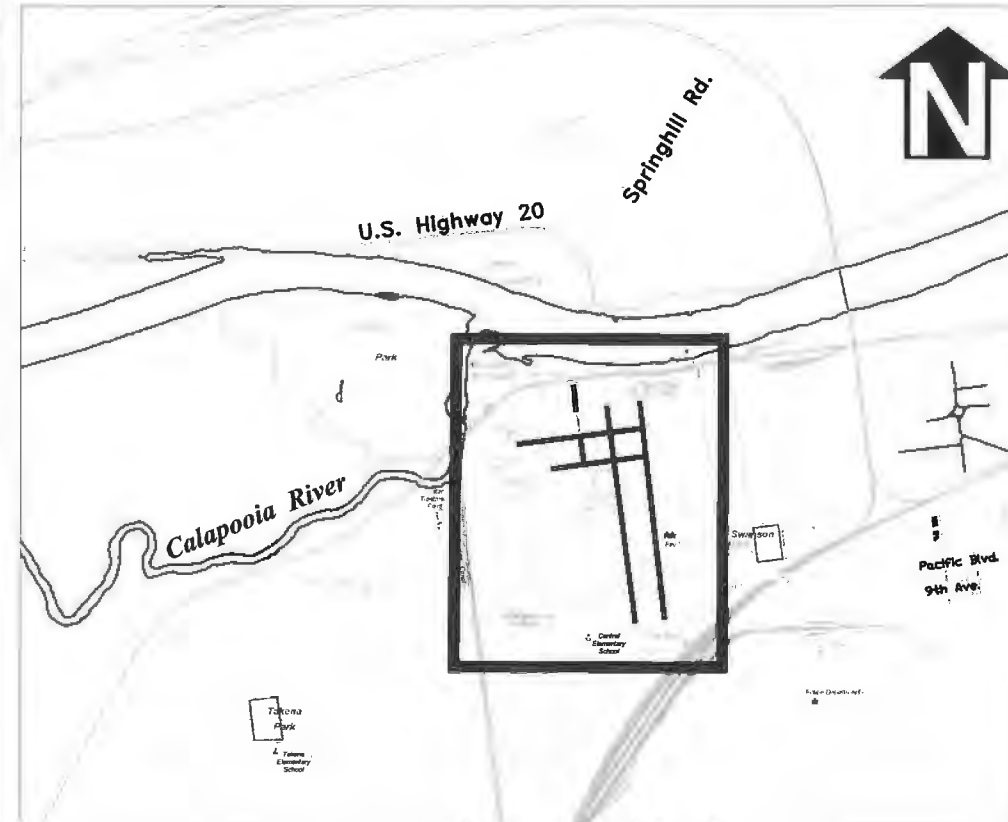
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LEGEND

	EXISTING WATER SERVICE		EXISTING POWER POLE
	RECONNECT EXISTING METER		EXISTING STORM MANHOLE
	EXISTING WATER VALVE		NEW CURB INLET
	NEW WATER VALVE		EXISTING STREET LIGHT
	EXISTING WATER LINE		EXISTING TRAFFIC SIGN
	EXISTING GAS LINE		NEW TRAFFIC SIGN
	EXISTING STORM LINE		EXISTING HYDRANT
	EXISTING SANITARY SEWER LINE		NEW HYDRANT
	EXISTING QLN DUCT		REDUCER
	EXISTING POWER LINES		DIRECTION OF GUTTER FLOW
	NEW WATER LINE		NEW SINGLE ACORN LIGHT
	NEW STORM LINE		NEW DOUBLE ACORN LIGHT
	NEW STREET TREE AND WELL		NEW BANNER POLE
	NEW CATENARY LIGHT AND WIRE		
	EXISTING DECORATIVE LIGHT		



PROJECT LOCATION
Not to Scale



VICINITY MAP
Not to Scale

GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF ALBANY STANDARD CONSTRUCTION SPECIFICATIONS AND ASSOCIATED STANDARD DRAWINGS. THE CURRENT VERSION OF THE CITY OF ALBANY STANDARD CONSTRUCTION SPECIFICATIONS CAN BE FOUND ON THE CITY'S WEBSITE AT WWW.CITYOFALBANY.NET.
2. UTILITIES SHOWN ARE FOR REFERENCE ONLY. FOR A FIELD LOCATE, CALL THE UTILITIES NOTIFICATIONS CENTER AT 1-800-332-2344.
3. OPERATING ACCESS FOR CITY MAINTENANCE PERSONNEL TO EXISTING AND NEW WATER VALVES AND MANHOLES SHALL BE CONTINUOUSLY MAINTAINED BY THE CONTRACTOR DURING ALL CONSTRUCTION ACTIVITIES.
4. CONTRACTOR SHALL VERIFY ALL EXISTING PIPE ELEVATIONS, PIPE DIAMETERS, AND PIPE MATERIALS AT CONNECTION AND ABANDONMENT LOCATIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO ENGINEER PRIOR TO BEGINNING WORK.
5. ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1987).
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION PREVENTION SEDIMENT CONTROL (EPSC) MEASURES IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED BY THE CITY OF ALBANY, AND VEGETATION/LANDSCAPING IS ESTABLISHED. FOR GUIDANCE, REFER TO THE CITY OF ALBANY EPSC MANUAL WHICH CAN BE FOUND AT www.cityofalbany.net.
7. ALL UTILITY AND DEMOLITION WORK SHALL TAKE PLACE AT NIGHT BETWEEN 7PM AND 6AM UNLESS OTHERWISE APPROVED BY THE ENGINEER. SEE SPECIAL PROVISIONS.
8. EXISTING STREET SECTION FOR LYON STREET AND ELLSWORTH STREET IS APPROXIMATELY 4" AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.
9. CONTRACTOR SHALL COORDINATE WITH PACIFIC POWER TO REMOVE EXISTING UTILITY POLES AND STREET LIGHTS WITHIN THE PROJECT AREA. NEW STREET LIGHTING MUST BE OPERATIONAL BEFORE EXISTING STREET LIGHTING CAN BE REMOVED.
10. CONTRACTOR SHALL REMOVE OR GRIND EXISTING TREE STUMPS AND METAL BARRELS FOUND UNDER ASPHALT PATCHES IN SIDEWALK TO A MINIMUM OF 12 INCHES BELOW FINISHED GRADE.
11. ALL PAVEMENT MARKINGS ON LYON AND ELLSWORTH SHALL BE REPLACED USING TEMPORARY PAINTED STRIPING. PERMANENT STRIPING SHALL BE INSTALLED BY ODOT AT A FUTURE DATE.

APPROVED FOR CONSTRUCTION

DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO:
CHECKED: C. CERKLEWSKI	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2

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ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2

EXPIRATION DATE: 12/31/2017

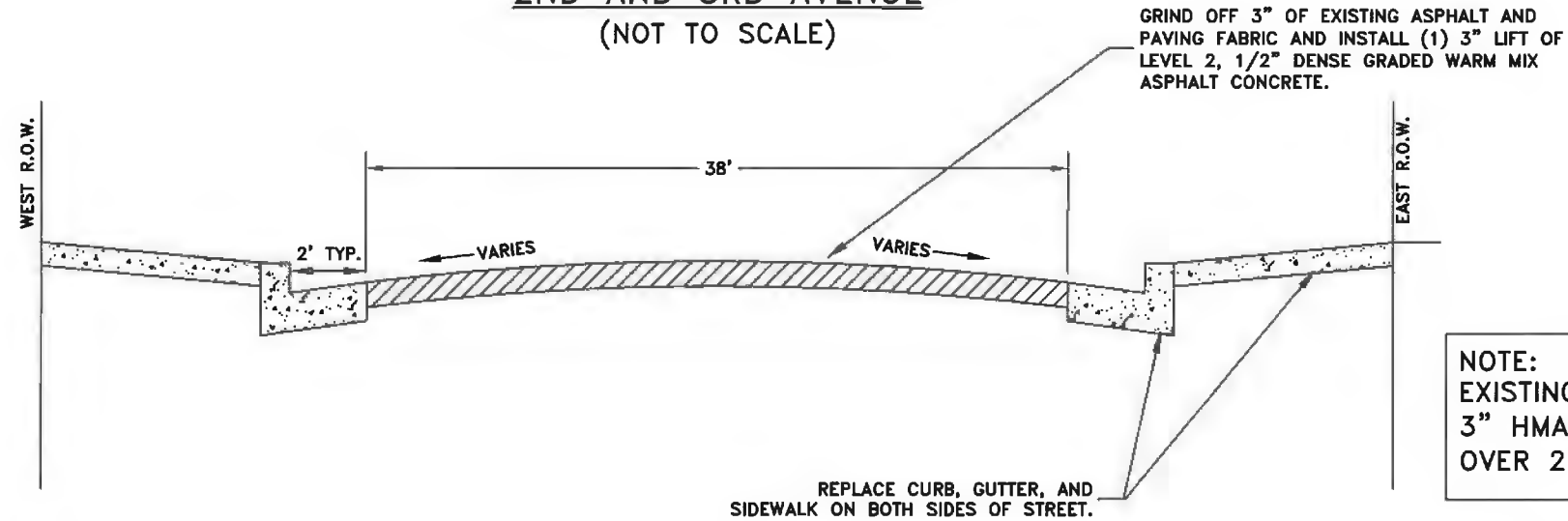
SHEET NO. 1 OF 192

PROJECT NO: ST-15-03-B

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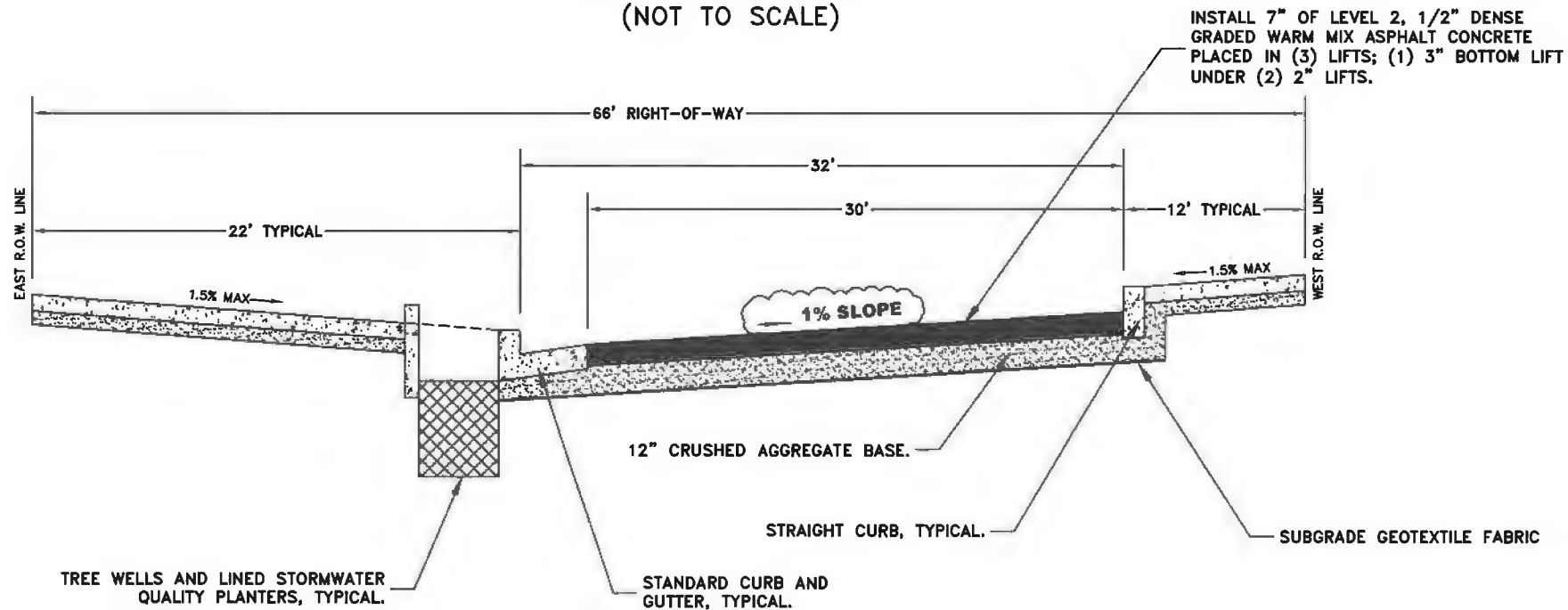
APPROVED FOR CONSTRUCTION

TYPICAL STREET CROSS SECTION 2ND AND 3RD AVENUE (NOT TO SCALE)



NOTE:
EXISTING PAVEMENT SECTION IS
3" HMAc ON PAVING FABRIC
OVER 2" HMAc, TYPICAL.

TYPICAL STREET CROSS SECTION BROADALBIN STREET (NOT TO SCALE)



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	REV 1 LLS
DATE: 4/11/2017	ODDT REV 1 LLS

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**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
TYPICAL STREET CROSS SECTION**

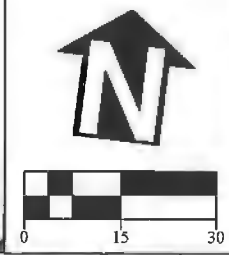
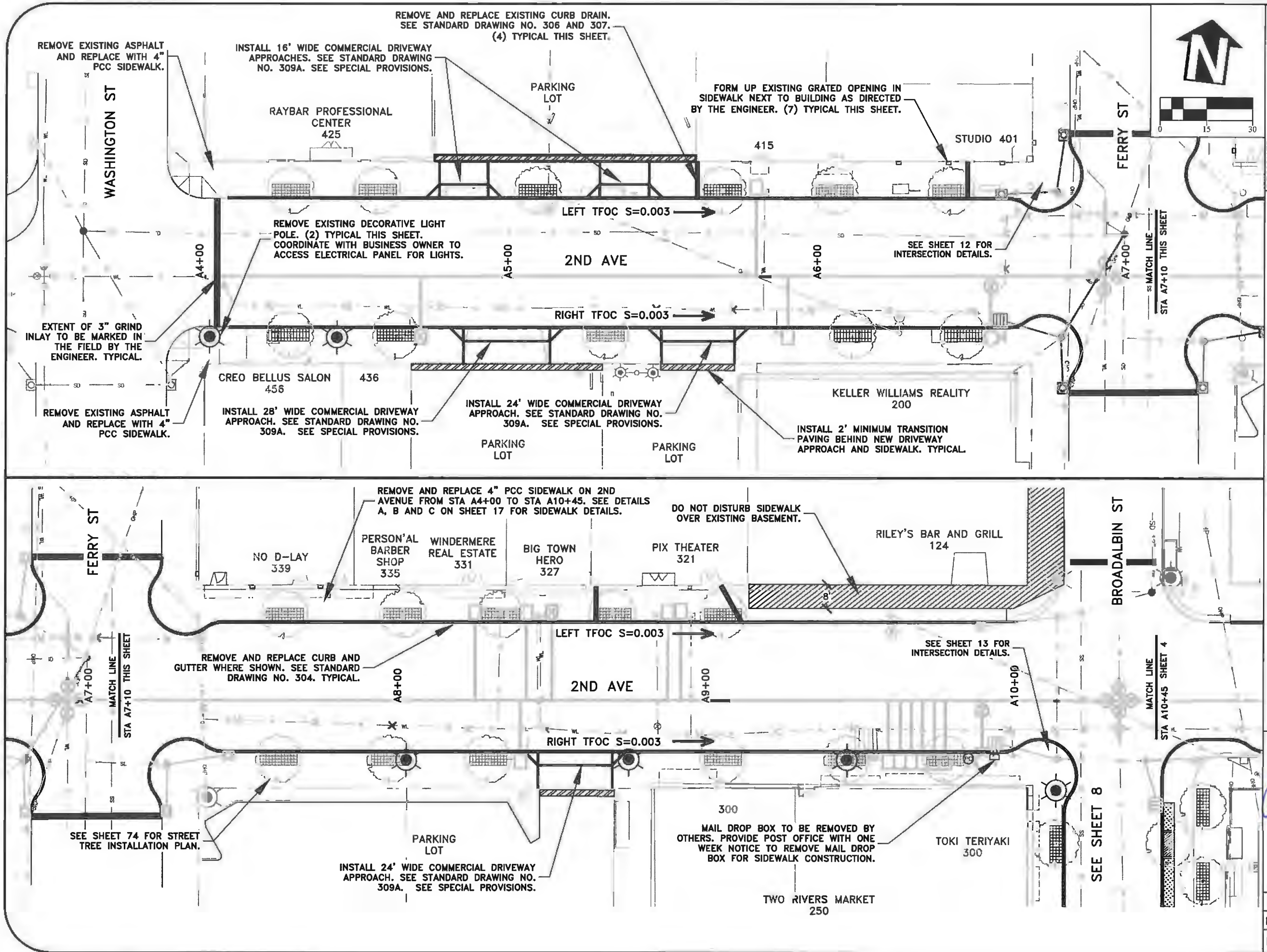


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SHEET NO. 2 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG



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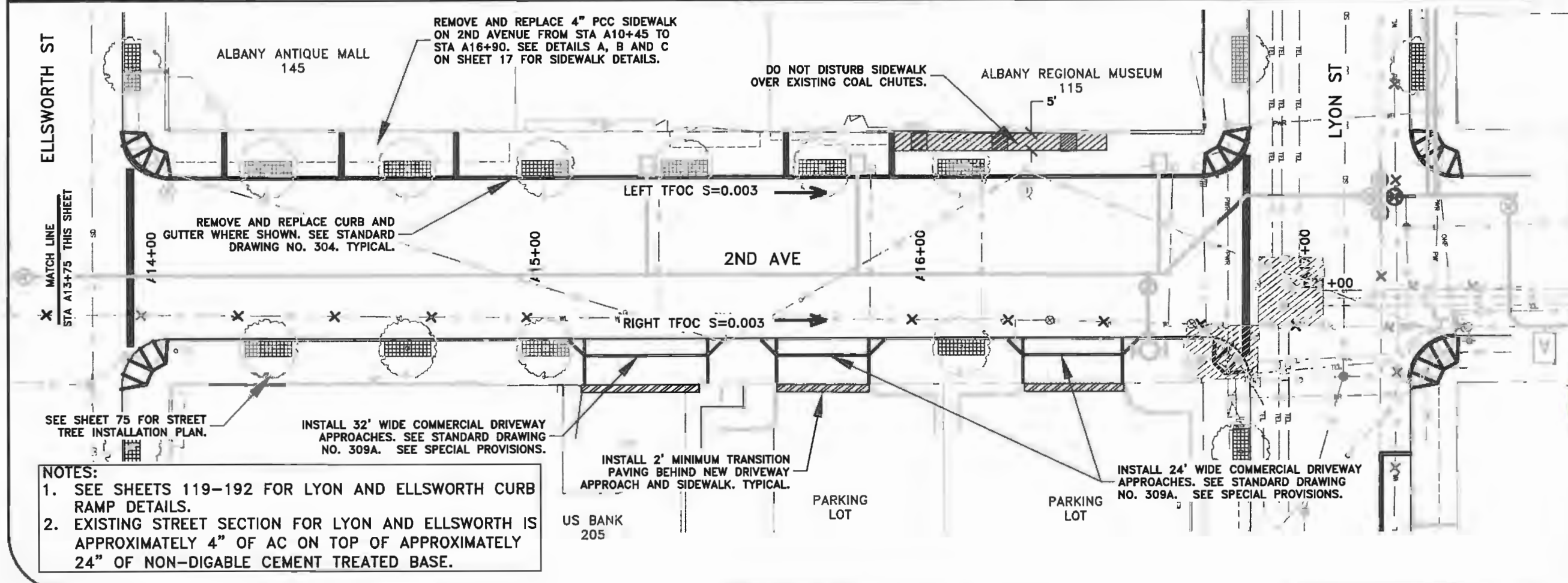
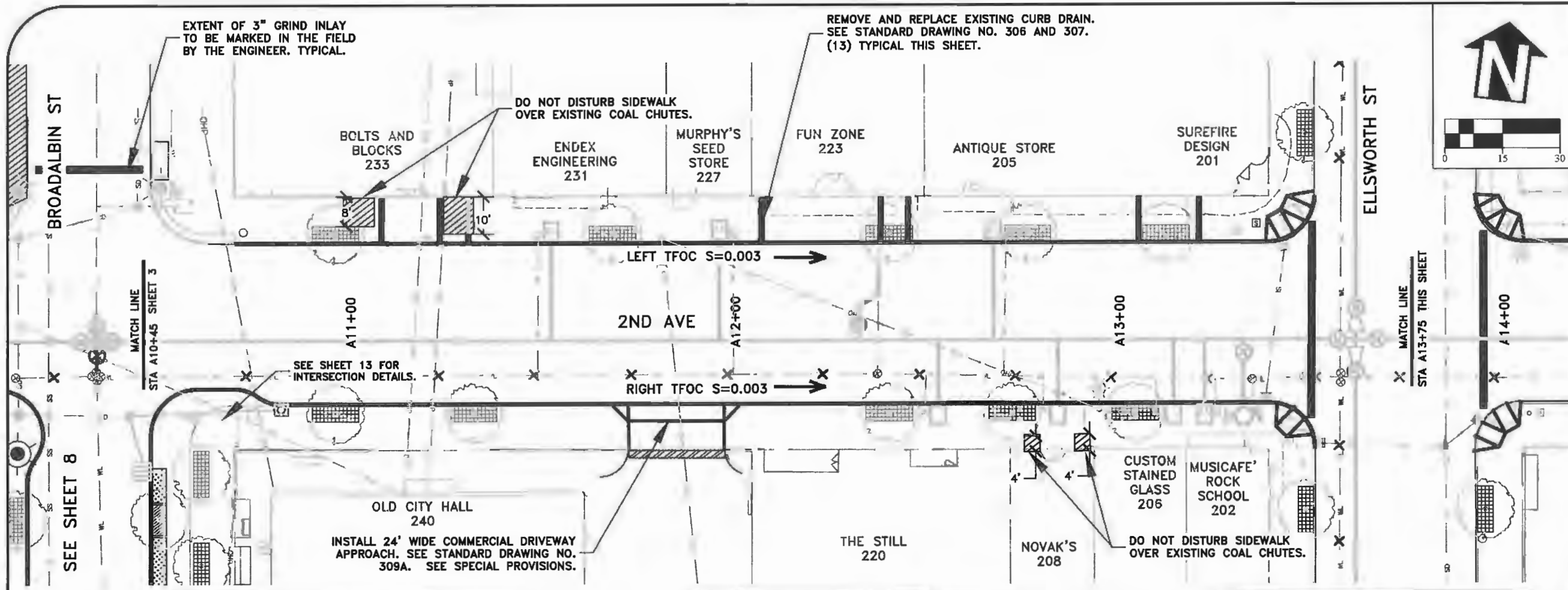
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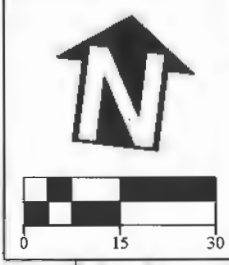
ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 2ND AVENUE STREET CONSTRUCTION



EXPIRATION DATE: 12/31/2017
 SHEET NO. 3 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG



- NOTES:**
- SEE SHEETS 119-192 FOR LYON AND ELLSWORTH CURB RAMP DETAILS.
 - EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.



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DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

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ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
2ND AVENUE STREET CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
 56,471PE
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

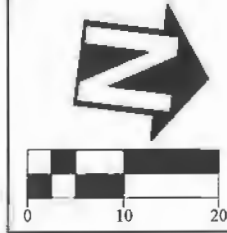
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SHEET NO. 4 OF 192

PROJECT NO: ST-15-03-B

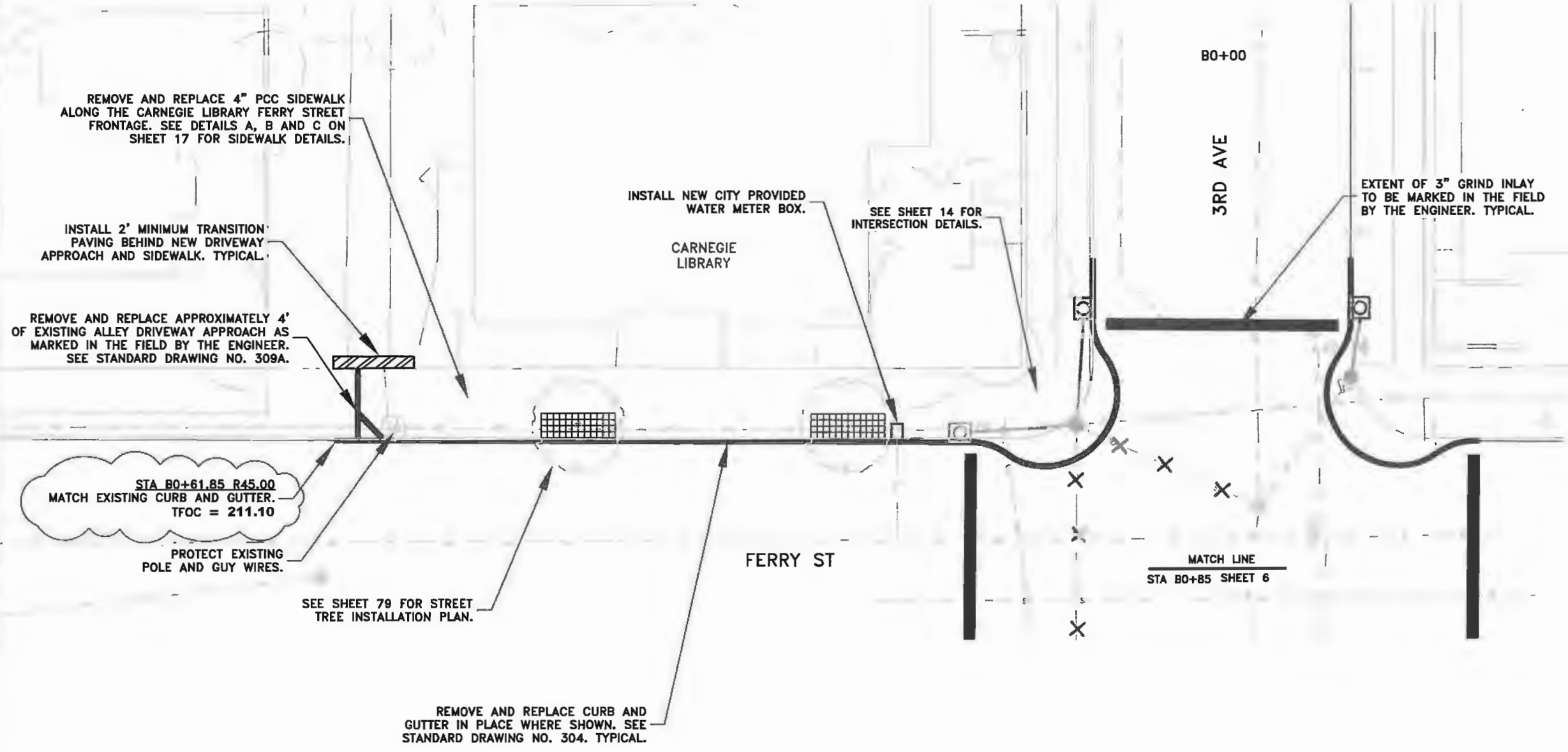
FILE: BASE.DWG

ITEMS ON THIS SHEET
SHALL BE PAID FOR
UNDER SCHEDULE C



DESIGNED: L. SCHUMACHER
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CHECKED: C. CERKLEWSKI
DATE: 4/11/2017

REVISIONS	
NO.	BY:
REV 1	LLS



REMOVE AND REPLACE 4" PCC SIDEWALK
ALONG THE CARNEGIE LIBRARY FERRY STREET
FRONTAGE. SEE DETAILS A, B AND C ON
SHEET 17 FOR SIDEWALK DETAILS.

INSTALL 2' MINIMUM TRANSITION
PAVING BEHIND NEW DRIVEWAY
APPROACH AND SIDEWALK. TYPICAL.

REMOVE AND REPLACE APPROXIMATELY 4'
OF EXISTING ALLEY DRIVEWAY APPROACH AS
MARKED IN THE FIELD BY THE ENGINEER.
SEE STANDARD DRAWING NO. 309A.

STA 80+61.85 R45.00
MATCH EXISTING CURB AND GUTTER.
TFOC = 211.10

PROTECT EXISTING
POLE AND GUY WIRES.

SEE SHEET 79 FOR STREET
TREE INSTALLATION PLAN.

REMOVE AND REPLACE CURB AND
GUTTER IN PLACE WHERE SHOWN. SEE
STANDARD DRAWING NO. 304. TYPICAL.

INSTALL NEW CITY PROVIDED
WATER METER BOX.

CARNEGIE
LIBRARY

SEE SHEET 14 FOR
INTERSECTION DETAILS.

80+00

3RD AVE

EXTENT OF 3" GRIND INLAY
TO BE MARKED IN THE FIELD
BY THE ENGINEER. TYPICAL.

FERRY ST

MATCH LINE
STA 80+85 SHEET 6

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ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
CARNEGIE LIBRARY STREET CONSTRUCTION

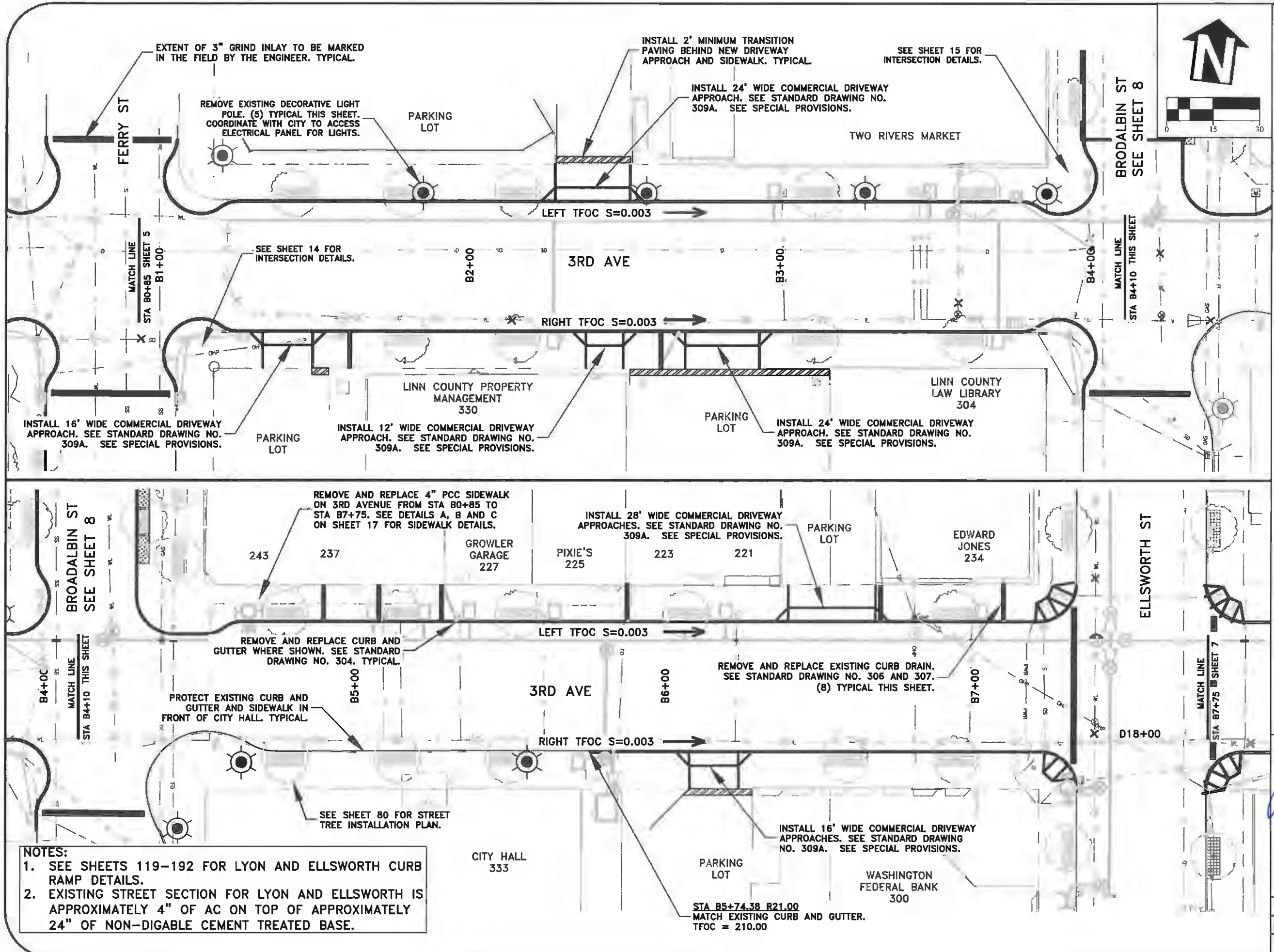


EXPIRATION DATE: 12/31/2017

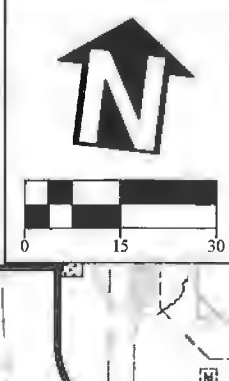
SHEET NO. 5 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG




NOTES:
 1. SEE SHEETS 119-192 FOR LYON AND ELLSWORTH CURB RAMP DETAILS.
 2. EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.



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 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

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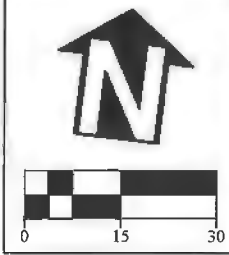
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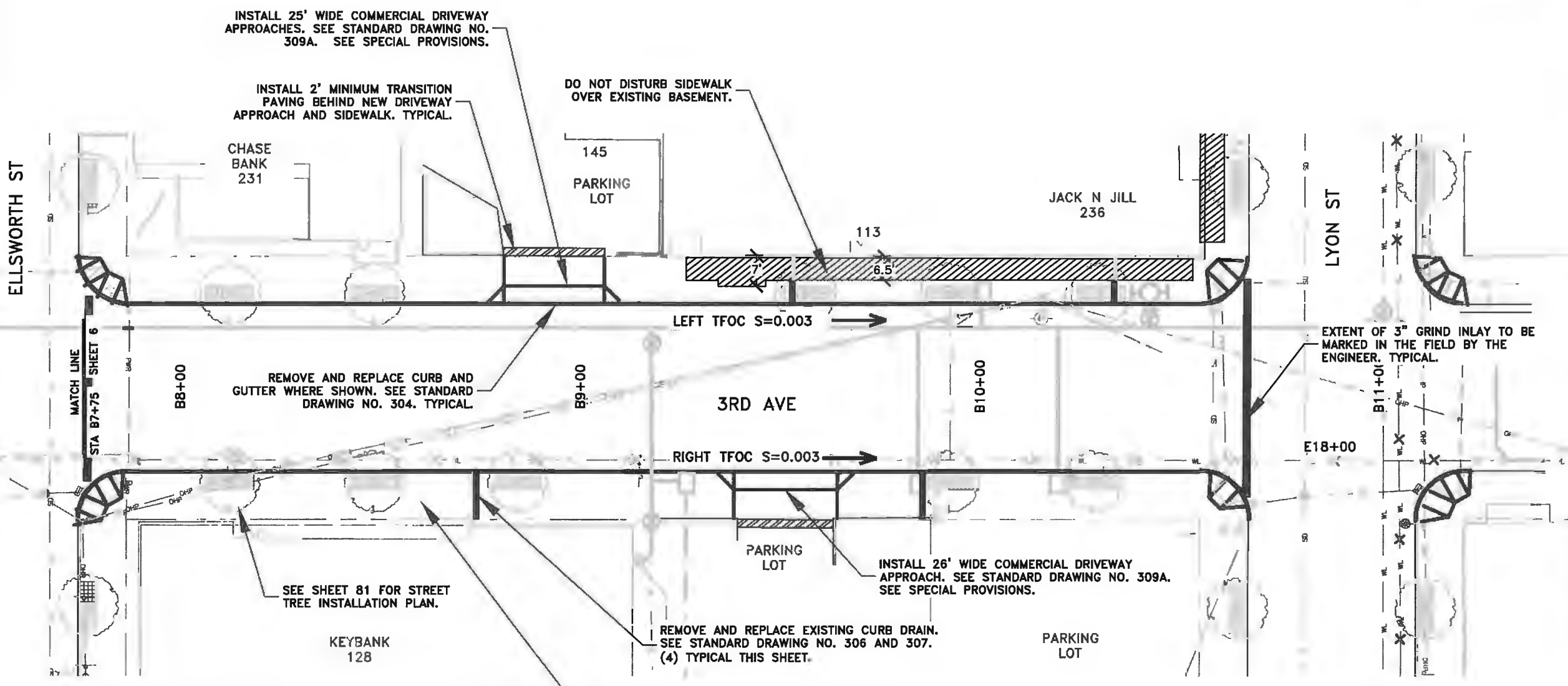
ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
3RD AVENUE STREET CONSTRUCTION

REGISTERED PROFESSIONAL
 ENGINEER
 56,471PE
Christopher L. Cerklewski
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017
 SHEET NO. 6 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG




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DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --



NOTES:
 1. SEE SHEETS 119-192 FOR LYON AND ELLSWORTH CURB RAMP DETAILS.
 2. EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

REMOVE AND REPLACE 4" PCC SIDEWALK ON 3RD AVENUE FROM STA B7+75 TO B10+80 SEE DETAILS A, B AND C ON SHEET 17 FOR SIDEWALK DETAILS.

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ENGINEERING SERVICES**

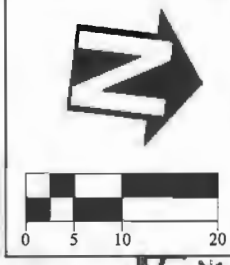
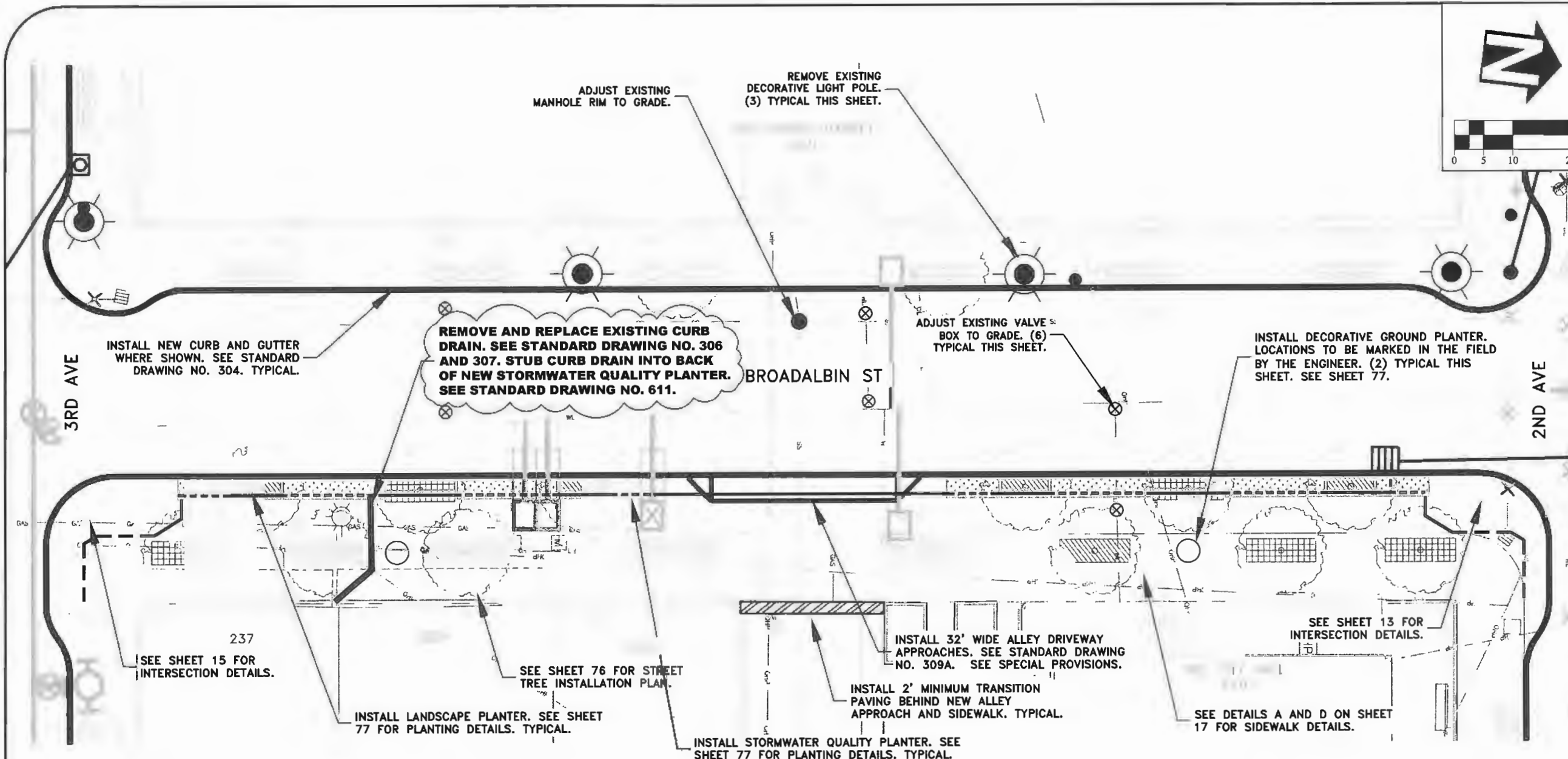


**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
3RD AVENUE STREET CONSTRUCTION**



EXPIRATION DATE: 12/31/2017
 SHEET NO. 7 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

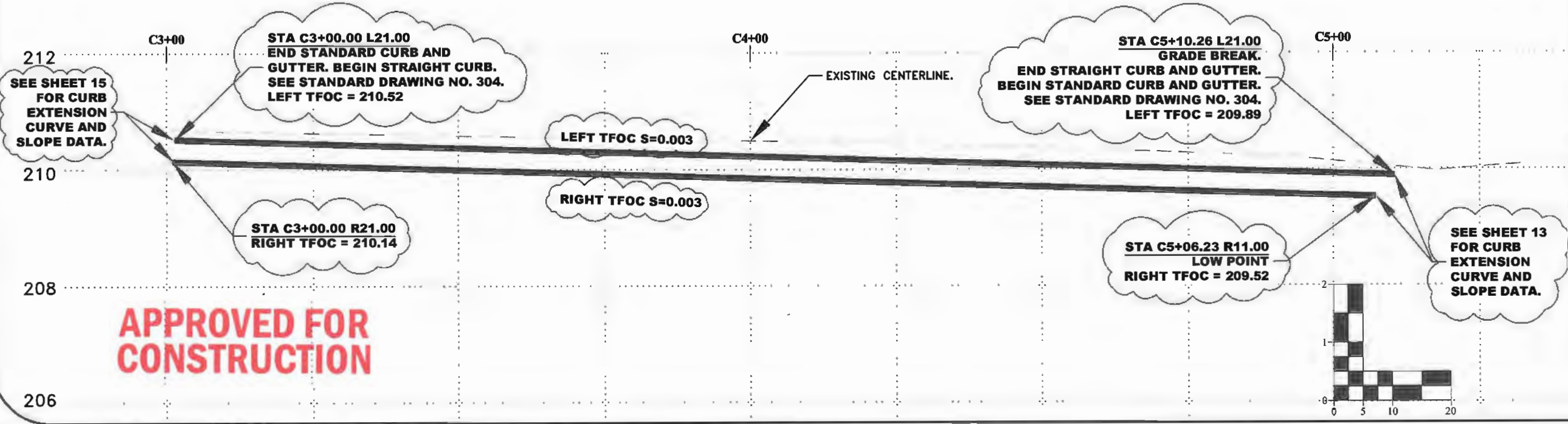
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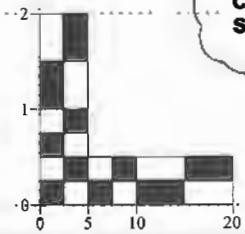
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DATE: 4/11/2017	7/21/2017 ODOT REV 1 LLS

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ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
BROADALBIN STREET CONSTRUCTION



APPROVED FOR CONSTRUCTION



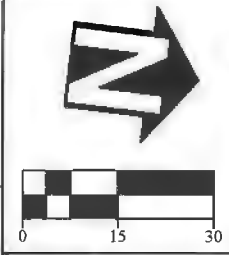
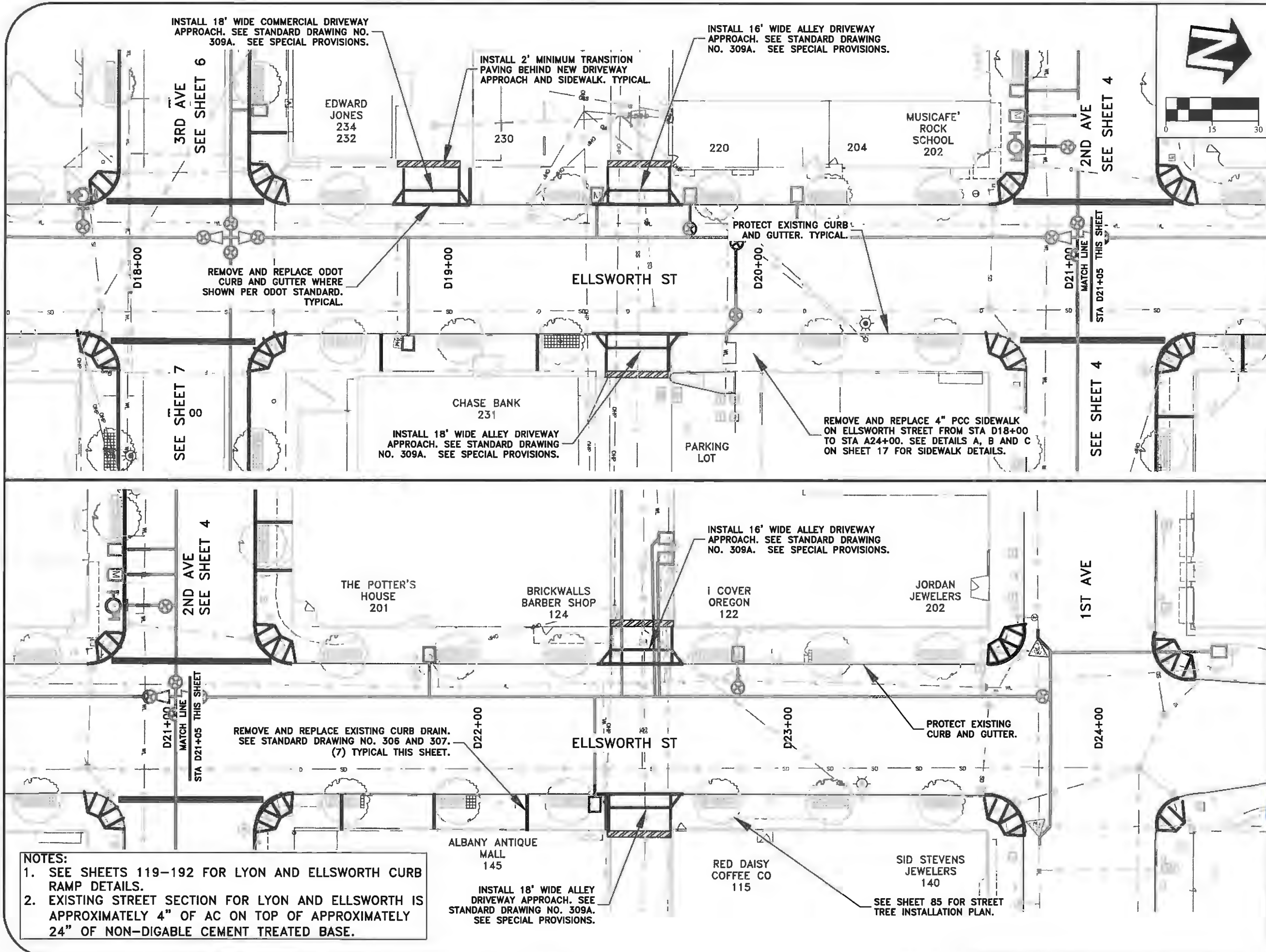
REGISTERED PROFESSIONAL ENGINEER
 56,471PE
Christopher L. Cerkowski
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 8 OF 192


PROJECT NO: ST-15-03-B

FILE: BASE.DWG



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PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET CONSTRUCTION

REGISTERED PROFESSIONAL
ENGINEER
56,471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

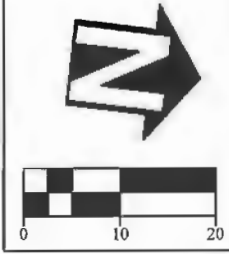
SHEET NO. 9 OF 192

PROJECT NO: ST-15-03-B

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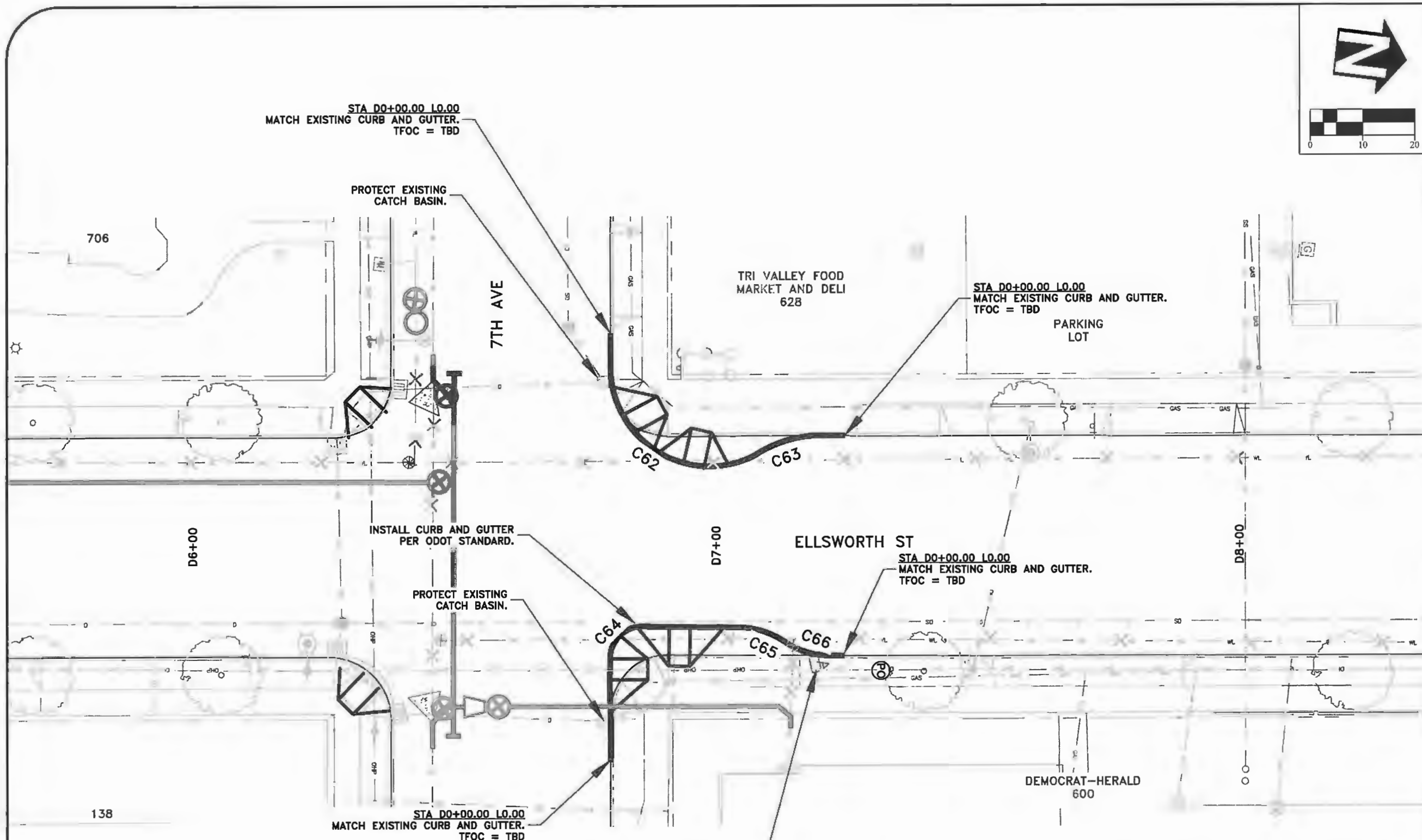
NOTES:

- SEE SHEETS 119-192 FOR LYON AND ELLSWORTH CURB RAMP DETAILS.
- EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.



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 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:



PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 ELLSWORTH CURB EXTENSIONS AT 7TH AVE

- NOTES:**
1. SEE SHEETS 119-192 FOR LYON AND ELLSWORTH CURB RAMP DETAILS.
 2. SEE SHEET 21 FOR HORIZONTAL CURVE DATA.
 3. STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY OF 4" AC ON TOP OF APPROXIMATELY 24" OF CEMENT TREATED BASE.

PROVIDE POST OFFICE WITH ONE WEEKS NOTICE TO REMOVE MAIL DROP BOX FOR SIDEWALK CONSTRUCTION.

OMITTED STATIONING AND ELEVATIONS WILL BE PROVIDED BY THE ENGINEER.

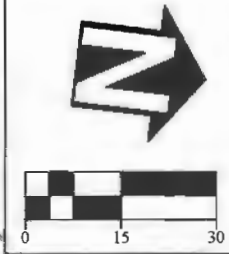
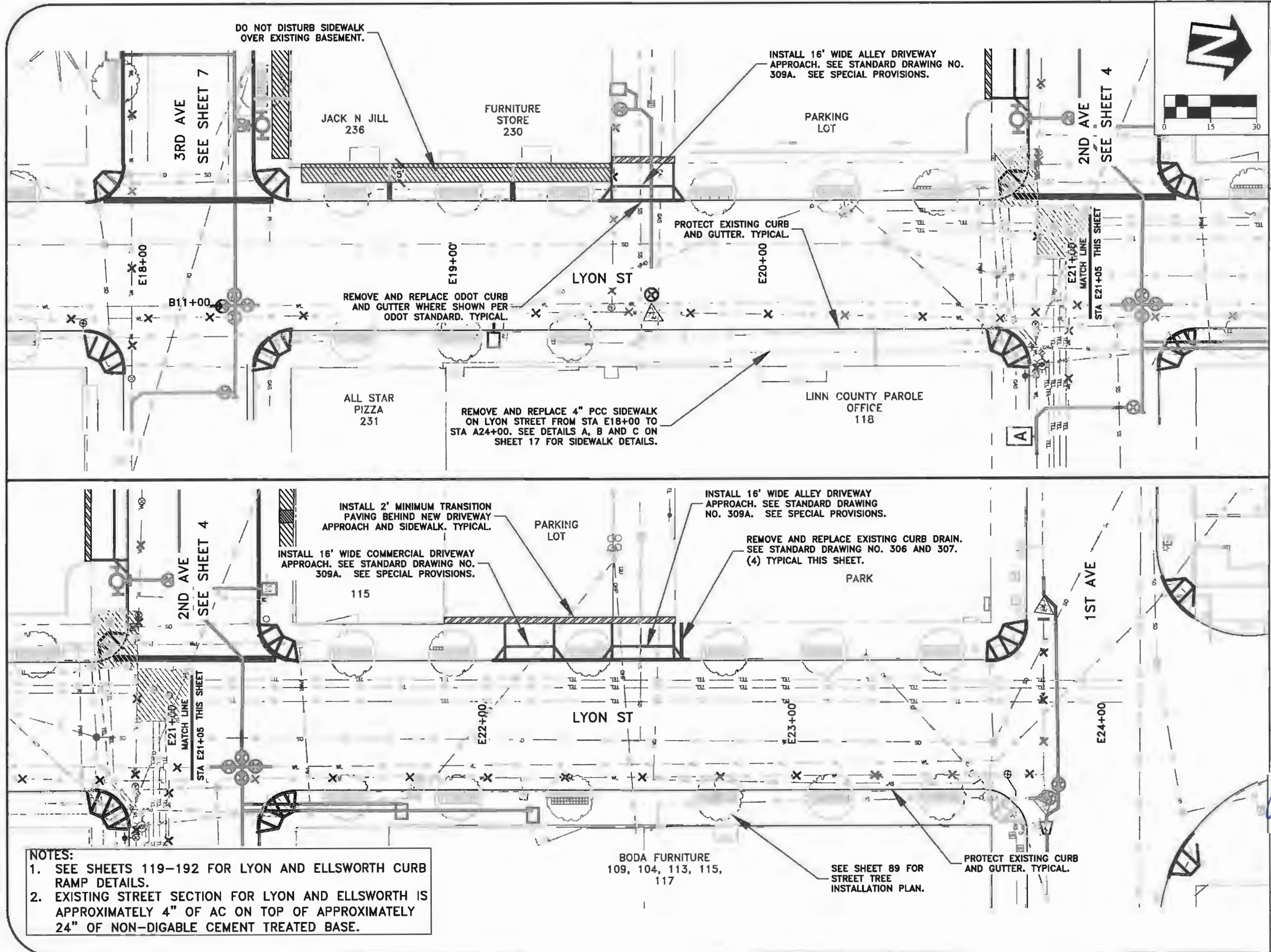


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SHEET NO. 10 OF 192


PROJECT NO: ST-15-03-B

FILE: BASE.DWG



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DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET CONSTRUCTION

REGISTERED PROFESSIONAL
ENGINEER
56,471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 11 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

NOTES:

- SEE SHEETS 119-192 FOR LYON AND ELLSWORTH CURB RAMP DETAILS.
- EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

STA A6+80.34 L41.68
MATCH EXISTING CURB AND GUTTER.
TFOC = 210.30

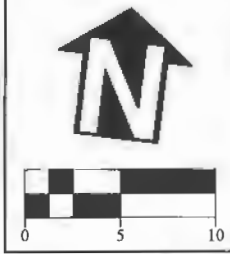
STA A6+83.49.69 L32.97
TO **STA A6+80.40 L39.38**
TRANSITION FROM 0"
TO 6" CURB HEIGHT.

STA A7+22.27 L42.05
MATCH EXISTING CURB AND GUTTER.
TFOC = 210.51

STA A7+19.08 L32.99 TO
STA A7+22.27 L41.02
TRANSITION FROM 0"
TO 6" CURB HEIGHT.

STA A6+76.20 L23.31
SDMH-1
REMOVE EXISTING CATCH BASIN AND
CONSTRUCT 24" DIAMETER MANHOLE.
RIM = 210.28
NEW IE 10" PVC (W) = 207.60
EX IE 10" PVC (SE) = 207.40

SEE DETAIL B ON SHEET 17 FOR
CURB EXTENSION SIDEWALK DETAILS.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY: LLS
CHECKED: C. CERKLEWSKI	DATE: 4/11/2017
DATE: 4/25/2017	REV 1

SEE SHEET 3 FOR
CURB DRAIN DETAILS.

STA A6+58.35 L21.00
SDCB-1
CONSTRUCT CURB INLET. SEE
STANDARD DRAWING NO. 412 & 413.
RIM = 210.62
NEW IE 10" PVC (E) = 207.68

STA A6+60.69 L21.00 TO
STA A6+68.29 L17.82
TRANSITION FROM 0" TO
6" CURB HEIGHT.

STA A6+98.18 L9.41
EX SDMH-1
REPLACE 12" RCP PIPE.
EX RIM = 211.08
NEW IE 12" PVC (SW) = 204.98
EX IE 10" PVC (NW) = 207.38
EX IE 12" CONC. (W) = 191.68
EX IE 12" CONC. (S) = 191.66

STA A7+34.21 L17.83 TO
STA A7+42.20 L21.00
TRANSITION FROM 0"
TO 6" CURB HEIGHT.

2ND AVE

STA A6+68.26 R17.83 TO
STA A6+60.27 R21.00
TRANSITION FROM 0" TO
6" CURB HEIGHT.

REMOVE EXISTING 12" RCP STORM
DRAIN AND REPLACE WITH 12" PVC
S=0.004. SET NEW PIPE INVERT TO
EXISTING INVERT AT EX SDMH-1.

STA A7+24.08 R25.47
SDMH-3
REMOVE EXISTING CATCH BASIN AND
CONSTRUCT SHALLOW PRECAST MANHOLE.
SEE STANDARD DRAWING NO. 402.
EX RIM = 210.36
NEW IE 10" PVC (S) = 204.65
EX IE 10" CONC (W) = 204.45

STA A6+58.02 R20.96
SDCB-2
CONSTRUCT CATCH BASIN. SEE
STANDARD DRAWING NO. 414.
RIM = 210.18
NEW IE 10" PVC (E) = 207.18

STA A6+77.52 R24.22
SDMH-2
REMOVE EXISTING CATCH BASIN AND
CONSTRUCT SHALLOW PRECAST MANHOLE.
SEE STANDARD DRAWING NO. 402.
RIM = 210.37
EX IE 6" PVC (SE) = 208.70
NEW IE 10" PVC (W) = 207.09
NEW IE 10" PVC (S) = 206.34
NEW IE 12" PVC (NE) = 205.14

STA A7+34.18 L17.83 TO
STA A7+42.20 L21.00
TRANSITION FROM 0"
TO 6" CURB HEIGHT.

STA A6+80.24 R42.66
SDCB-3
CONSTRUCT CURB INLET. SEE STANDARD
DRAWING NO. 412 & 413.
RIM = 210.53
NEW IE 10" PVC (N) = 206.42

STA A7+18.98 R32.97 TO
STA A7+22.30 R40.98
TRANSITION FROM 0" TO
6" CURB HEIGHT.

STA A7+22.26 R42.75
SDCB-4
CONSTRUCT CURB INLET. SEE STANDARD
DRAWING NO. 412 & 413.
RIM = 210.46
NEW IE 10" PVC (N) = 204.73

NOTE:
SEE SHEET 18 FOR
HORIZONTAL CURVE DATA.

STA A6+83.41 R32.91 TO
STA A6+80.24 R40.93
TRANSITION FROM 0" TO
6" CURB HEIGHT.

FERRY ST

STA A7+22.30 R40.98
MATCH EXISTING CURB AND GUTTER.
TFOC = 210.43

STA A6+80.24 R40.93
MATCH EXISTING CURB AND GUTTER.
TFOC = 210.33

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

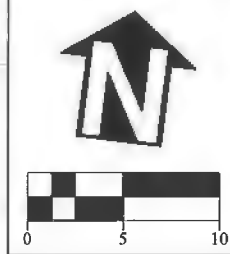
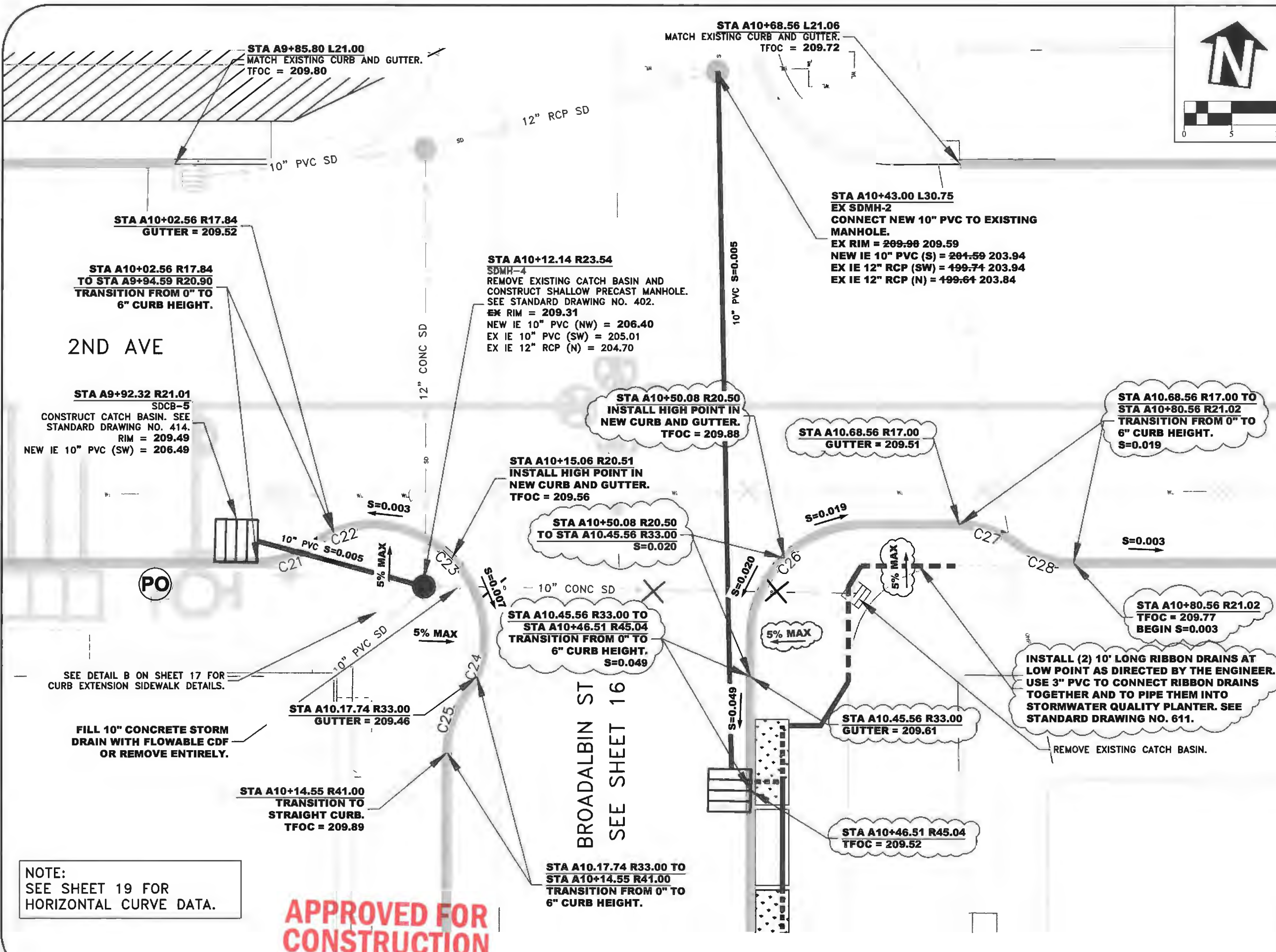


ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
2ND & FERRY STREET AND STORM CONSTRUCTION



EXPIRATION DATE: 12/31/2017
SHEET NO. 12 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

CURVE DATA FOR SE CORNER UPDATED ON 9/18/2017
 CURVE DATA FOR SW CORNER UPDATED ON 8/23/2017



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 REV. 1 ILS
DATE: 4/11/2017	0007 REV 1 ILS

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ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
2ND & BROADALBIN STREET AND STORM CONSTRUCTION



EXPIRATION DATE: 12/31/2017
 SHEET NO. 13 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

NOTE:
 SEE SHEET 19 FOR
 HORIZONTAL CURVE DATA.

**APPROVED FOR
 CONSTRUCTION**

BROADALBIN ST
 SEE SHEET 16

STA A9+92.32 R21.01
 SDCB-5
 CONSTRUCT CATCH BASIN. SEE
 STANDARD DRAWING NO. 414.
 RIM = 209.49
 NEW IE 10" PVC (SW) = 206.49

STA A10+02.56 R17.84
 TO STA A9+94.59 R20.90
 TRANSITION FROM 0" TO
 6" CURB HEIGHT.

STA A10+02.56 R17.84
 GUTTER = 209.52

STA A10+12.14 R23.54
 SDMH-4
 REMOVE EXISTING CATCH BASIN AND
 CONSTRUCT SHALLOW PRECAST MANHOLE.
 SEE STANDARD DRAWING NO. 402.
 EX RIM = 209.31
 NEW IE 10" PVC (NW) = 206.40
 EX IE 10" PVC (SW) = 205.01
 EX IE 12" RCP (N) = 204.70

STA A10+50.08 R20.50
 INSTALL HIGH POINT IN
 NEW CURB AND GUTTER.
 TFOC = 209.88

STA A10+15.06 R20.51
 INSTALL HIGH POINT IN
 NEW CURB AND GUTTER.
 TFOC = 209.56

STA A10+50.08 R20.50
 TO STA A10.45.56 R33.00
 S=0.020

STA A10.45.56 R33.00 TO
 STA A10+46.51 R45.04
 TRANSITION FROM 0" TO
 6" CURB HEIGHT.
 S=0.049

STA A10.17.74 R33.00 TO
 STA A10+14.55 R41.00
 TRANSITION FROM 0" TO
 6" CURB HEIGHT.

STA A10+43.00 L30.75
 EX SDMH-2
 CONNECT NEW 10" PVC TO EXISTING
 MANHOLE.
 EX RIM = 209.98 209.59
 NEW IE 10" PVC (S) = 204.59 203.94
 EX IE 12" RCP (SW) = 199.74 203.94
 EX IE 12" RCP (N) = 199.64 203.84

STA A10.68.56 R17.00
 GUTTER = 209.51

STA A10.68.56 R17.00 TO
 STA A10+80.56 R21.02
 TRANSITION FROM 0" TO
 6" CURB HEIGHT.
 S=0.019

STA A10+80.56 R21.02
 TFOC = 209.77
 BEGIN S=0.003

INSTALL (2) 10' LONG RIBBON DRAINS AT
 LOW POINT AS DIRECTED BY THE ENGINEER.
 USE 3" PVC TO CONNECT RIBBON DRAINS
 TOGETHER AND TO PIPE THEM INTO
 STORMWATER QUALITY PLANTER. SEE
 STANDARD DRAWING NO. 611.

REMOVE EXISTING CATCH BASIN.

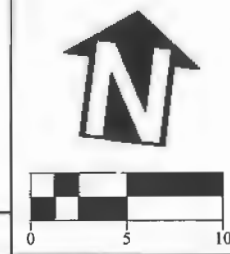
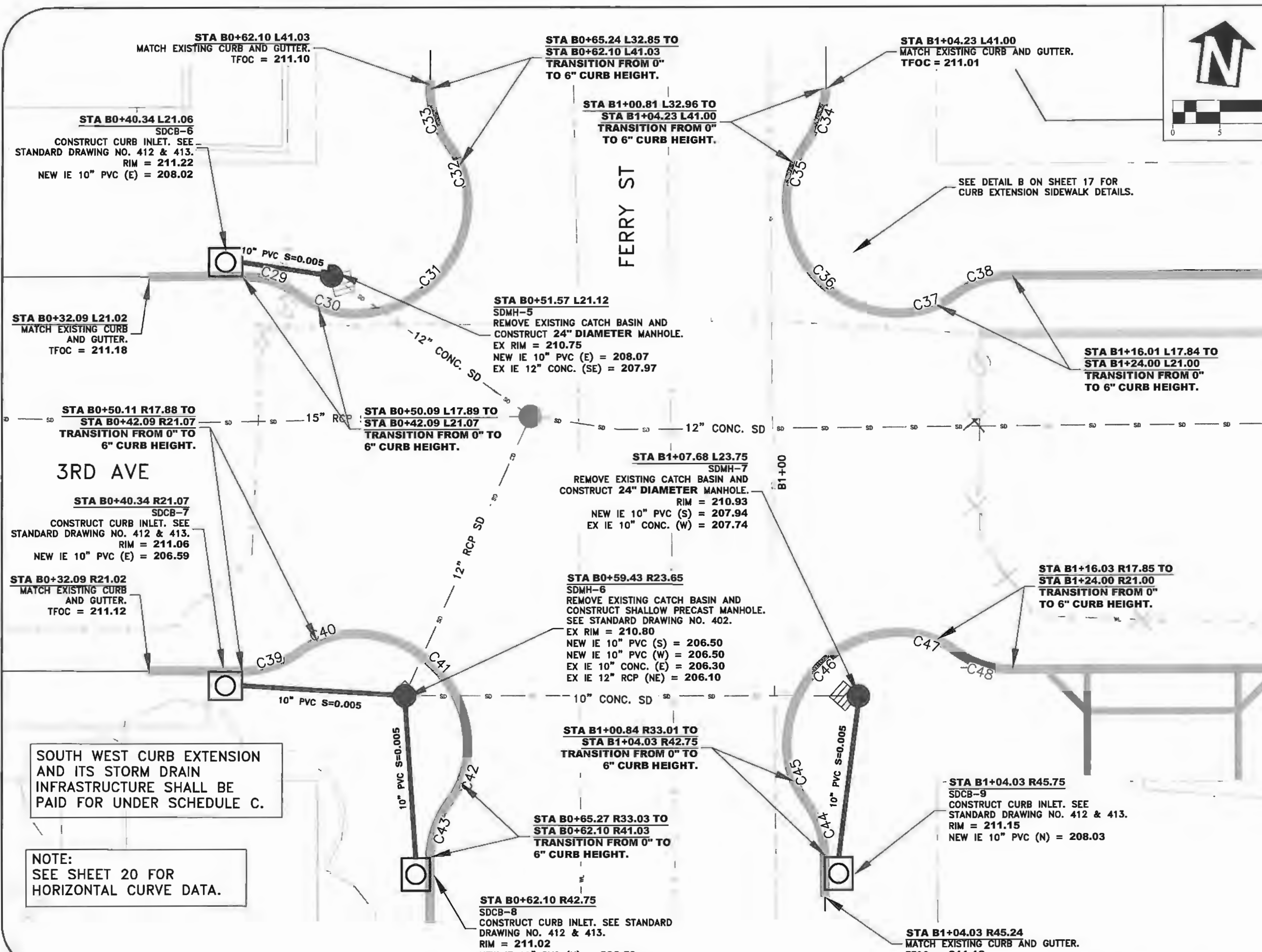
STA A10.45.56 R33.00
 GUTTER = 209.61

STA A10+46.51 R45.04
 TFOC = 209.52

SEE DETAIL B ON SHEET 17 FOR
 CURB EXTENSION SIDEWALK DETAILS.

FILL 10" CONCRETE STORM
 DRAIN WITH FLOWABLE CDF
 OR REMOVE ENTIRELY.

STA A10+14.55 R41.00
 TRANSITION TO
 STRAIGHT CURB.
 TFOC = 209.89

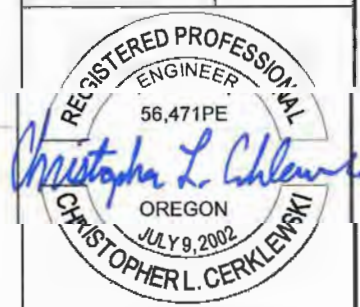


DESIGNED: L. SCHUMACHER	REVISIONS:
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 REV 1
DATE: 4/11/2017	---

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
3RD & FERRY STREET AND STORM CONSTRUCTION



EXPIRATION DATE: 12/31/2017
SHEET NO. 14 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

STA B0+40.34 L21.06
SDCB-6
CONSTRUCT CURB INLET. SEE STANDARD DRAWING NO. 412 & 413.
RIM = 211.22
NEW IE 10" PVC (E) = 208.02

STA B0+62.10 L41.03
MATCH EXISTING CURB AND GUTTER.
TFOC = 211.10

STA B0+65.24 L32.85 TO STA B0+62.10 L41.03
TRANSITION FROM 0" TO 6" CURB HEIGHT.

STA B1+04.23 L41.00
MATCH EXISTING CURB AND GUTTER.
TFOC = 211.01

STA B1+00.81 L32.96 TO STA B1+04.23 L41.00
TRANSITION FROM 0" TO 6" CURB HEIGHT.

STA B0+32.09 L21.02
MATCH EXISTING CURB AND GUTTER.
TFOC = 211.18

STA B0+51.57 L21.12
SDMH-5
REMOVE EXISTING CATCH BASIN AND CONSTRUCT 24" DIAMETER MANHOLE.
EX RIM = 210.75
NEW IE 10" PVC (E) = 208.07
EX IE 12" CONC. (SE) = 207.97

SEE DETAIL B ON SHEET 17 FOR CURB EXTENSION SIDEWALK DETAILS.

STA B1+16.01 L17.84 TO STA B1+24.00 L21.00
TRANSITION FROM 0" TO 6" CURB HEIGHT.

STA B0+50.11 R17.88 TO STA B0+42.09 R21.07
TRANSITION FROM 0" TO 6" CURB HEIGHT.

STA B0+50.09 L17.89 TO STA B0+42.09 L21.07
TRANSITION FROM 0" TO 6" CURB HEIGHT.

STA B1+07.68 L23.75
SDMH-7
REMOVE EXISTING CATCH BASIN AND CONSTRUCT 24" DIAMETER MANHOLE.
RIM = 210.93
NEW IE 10" PVC (S) = 207.94
EX IE 10" CONC. (W) = 207.74

3RD AVE

STA B0+40.34 R21.07
SDCB-7
CONSTRUCT CURB INLET. SEE STANDARD DRAWING NO. 412 & 413.
RIM = 211.06
NEW IE 10" PVC (E) = 206.59

STA B0+32.09 R21.02
MATCH EXISTING CURB AND GUTTER.
TFOC = 211.12

STA B0+59.43 R23.65
SDMH-6
REMOVE EXISTING CATCH BASIN AND CONSTRUCT SHALLOW PRECAST MANHOLE. SEE STANDARD DRAWING NO. 402.
EX RIM = 210.80
NEW IE 10" PVC (S) = 206.50
NEW IE 10" PVC (W) = 206.50
EX IE 10" CONC. (E) = 206.30
EX IE 12" RCP (NE) = 206.10

STA B1+16.03 R17.85 TO STA B1+24.00 R21.00
TRANSITION FROM 0" TO 6" CURB HEIGHT.

SOUTH WEST CURB EXTENSION AND ITS STORM DRAIN INFRASTRUCTURE SHALL BE PAID FOR UNDER SCHEDULE C.

NOTE: SEE SHEET 20 FOR HORIZONTAL CURVE DATA.

STA B1+00.84 R33.01 TO STA B1+04.03 R42.75
TRANSITION FROM 0" TO 6" CURB HEIGHT.

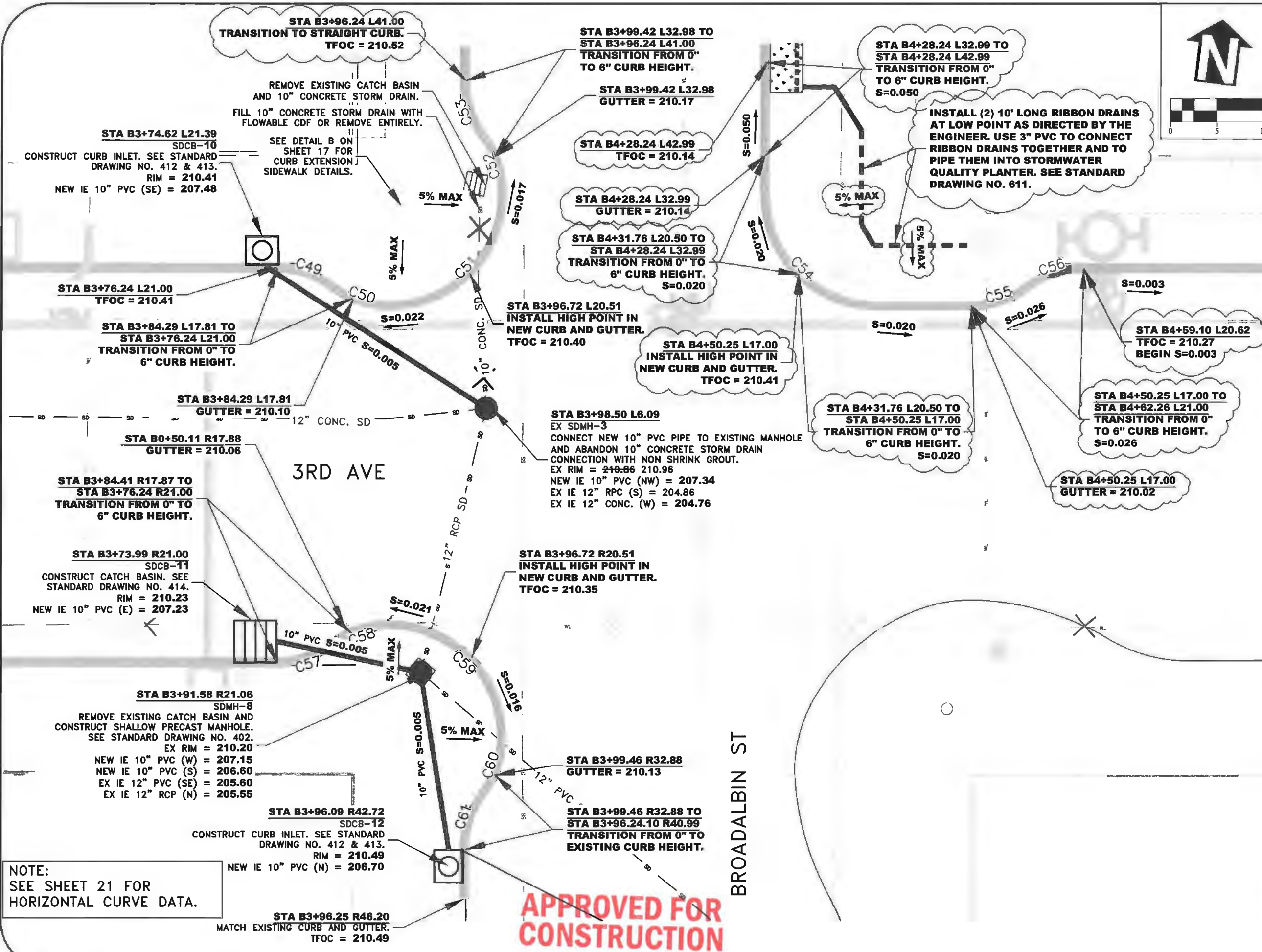
STA B0+65.27 R33.03 TO STA B0+62.10 R41.03
TRANSITION FROM 0" TO 6" CURB HEIGHT.

STA B0+62.10 R42.75
SDCB-8
CONSTRUCT CURB INLET. SEE STANDARD DRAWING NO. 412 & 413.
RIM = 211.02
NEW IE 10" PVC (N) = 206.59

STA B1+04.03 R45.75
SDCB-9
CONSTRUCT CURB INLET. SEE STANDARD DRAWING NO. 412 & 413.
RIM = 211.15
NEW IE 10" PVC (N) = 208.03

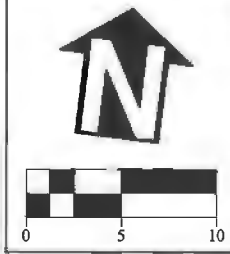
STA B1+04.03 R45.24
MATCH EXISTING CURB AND GUTTER.
TFOC = 211.12

CURVE DATA FOR NE CORNER UPDATED ON 9/18/2017
 CURVE DATA FOR NW AND SW CORNERS UPDATED ON 9/5/2017



NOTE:
 SEE SHEET 21 FOR
 HORIZONTAL CURVE DATA.

**APPROVED FOR
 CONSTRUCTION**

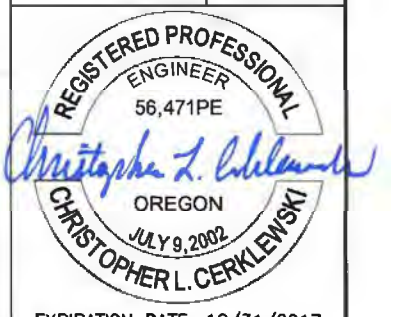


DESIGNED: L. SCHUMACHER	REVISIONS:
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 REV 1 LLS
DATE: 4/11/2017	7/21/2017 ODOT REV 1 LLS

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 ENGINEERING SERVICES**



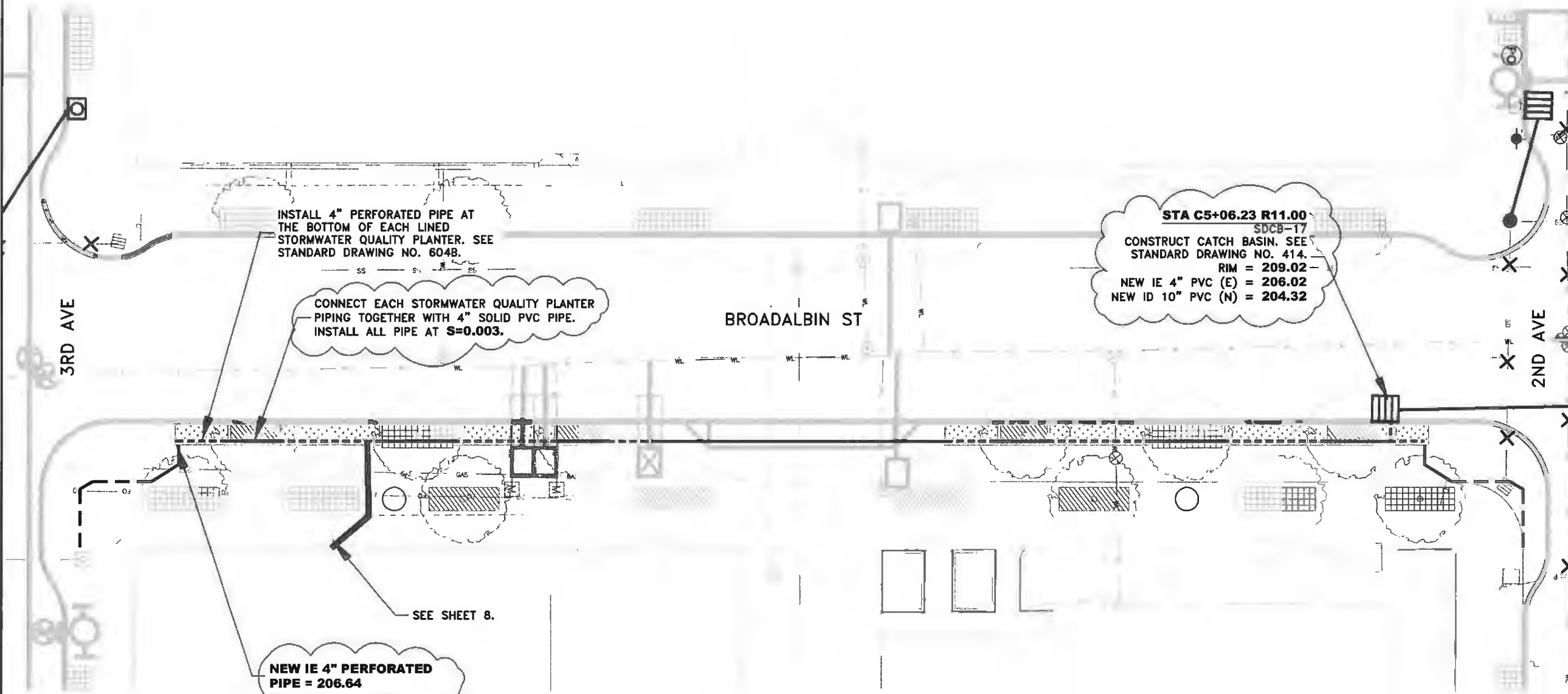
**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 3RD & BROADALBIN STREET AND STORM CONSTRUCTION**



EXPIRATION DATE: 12/31/2017
 SHEET NO. 15 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

OMITTED ELEVATIONS UPDATED 9/18/2017

**APPROVED FOR
CONSTRUCTION**



DESIGNED:	L. SCHUMACHER
DRAWN:	L. SCHUMACHER
CHECKED:	C. CERKLEWSKI
DATE:	4/11/2017
REVISIONS	
NO:	BY:
4/25/2017	LLS
7/21/2017	ODOT REV 1 LLS

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
BROADALBIN STORM LINE CONSTRUCTION**

OMITTED STATIONING AND
ELEVATIONS WILL BE
PROVIDED BY THE ENGINEER.

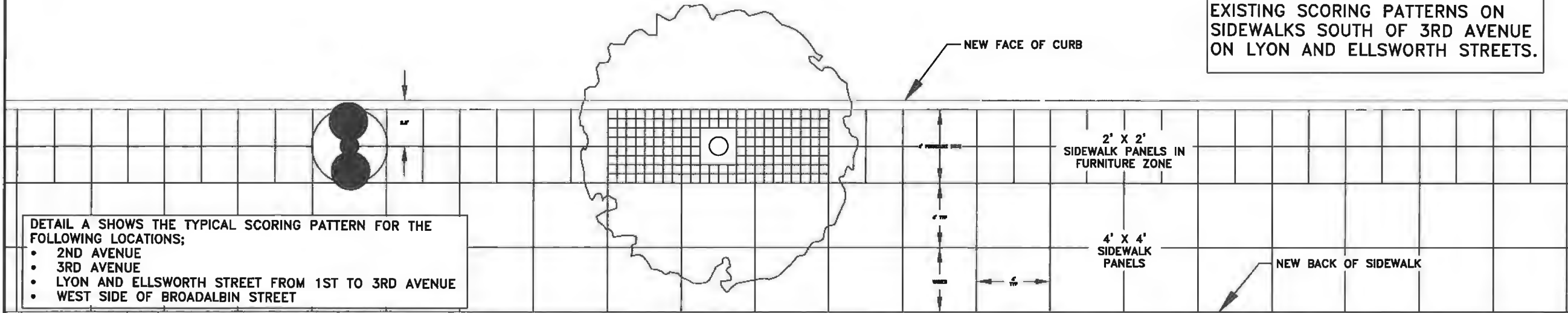


EXPIRATION DATE: 12/31/2017
SHEET NO. 16 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

DETAIL A: TYPICAL NEW SIDEWALK SCORING PATTERN

(NOT TO SCALE)

NOTE:
CONTRACTOR SHALL MATCH
EXISTING SCORING PATTERNS ON
SIDEWALKS SOUTH OF 3RD AVENUE
ON LYON AND ELLSWORTH STREETS.

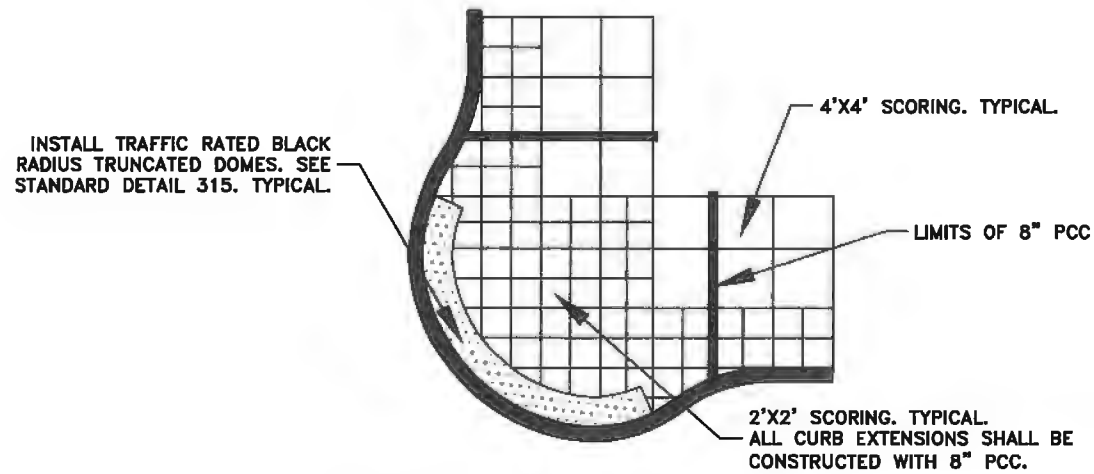


DETAIL A SHOWS THE TYPICAL SCORING PATTERN FOR THE FOLLOWING LOCATIONS;
 • 2ND AVENUE
 • 3RD AVENUE
 • LYON AND ELLSWORTH STREET FROM 1ST TO 3RD AVENUE
 • WEST SIDE OF BROADALBIN STREET

DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

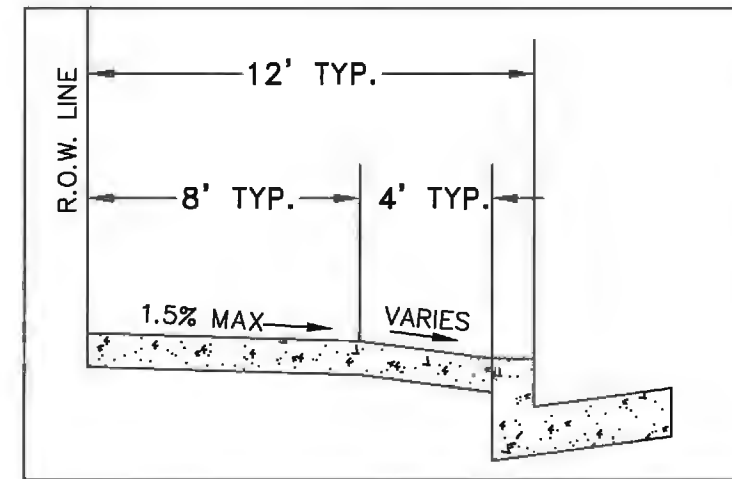
DETAIL B: TYPICAL CURB EXTENSION SCORING PATTERN

(NOT TO SCALE)



DETAIL C: TYPICAL SIDEWALK CROSS SECTION

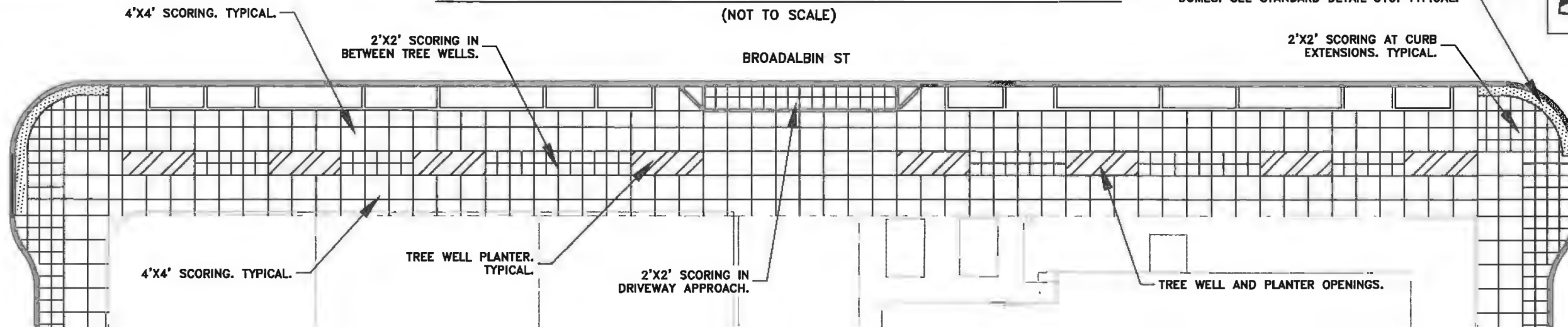
(NOT TO SCALE)



DETAIL D: BROADALBIN EAST SIDEWALK SCORING PATTERN

(NOT TO SCALE)

INSTALL TRAFFIC RATED BLACK RADIUS TRUNCATED DOMES. SEE STANDARD DETAIL 315. TYPICAL



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ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
SIDEWALK SCORING DETAIL



EXPIRATION DATE: 12/31/2017

SHEET NO. 17 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

HORIZONTAL CURVE DATA CORRESPONDING TO SHEET 12

CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH	START STATION	START TFOC	END STATION	END TFOC
C1									
C2									
C3									
C4									
C5									
C6									
C7									
C8									
C9									
C10									
C11									
C12									
C13									
C14									
C15									
C16									
C17									
C18									
C19									
C20									

CURVE DATA WILL BE PROVIDED BY THE ENGINEER.

DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
HORIZONTAL CURVE TABLE



EXPIRATION DATE: 12/31/2017

SHEET NO. 18 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

HORIZONTAL CURVE DATA CORRESPONDING TO SHEET 13

CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH	START STATION	START TFOC	END STATION	END TFOC
C21									
C22			<p>CURVE DATA WILL BE PROVIDED BY THE ENGINEER.</p>						
C23									
C24									
C25									
C26									
C27									
C28									

DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
DATE	BY


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ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 HORIZONTAL CURVE TABLE



EXPIRATION DATE: 12/31/2017

SHEET NO. 19 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

HORIZONTAL CURVE DATA CORRESPONDING TO SHEET 14

CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH	START STATION	START TFOC	END STATION	END TFOC
C29									
C30									
C31									
C32									
C33									
C34									
C35									
C36									
C37									
C38									
C39									
C40									
C41									
C42									
C43									
C44									
C45									
C46									
C47									
C48									

CURVE DATA WILL BE PROVIDED BY THE ENGINEER.

DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

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ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
HORIZONTAL CURVE TABLE



EXPIRATION DATE: 12/31/2017

SHEET NO. 20 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

HORIZONTAL CURVE DATA CORRESPONDING TO SHEET 15

CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH	START STATION	START TFOC	END STATION	END TFOC
C49									
C50									
C51									
C52									
C53									
C54									
C55									
C56									
C57									
C58									
C59									
C60									
C61									

CURVE DATA WILL BE PROVIDED BY THE ENGINEER.

HORIZONTAL CURVE DATA CORRESPONDING TO SHEET 10

CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH	START STATION	START TFOC	END STATION	END TFOC
C62									
C63									
C64									
C65									
C66									

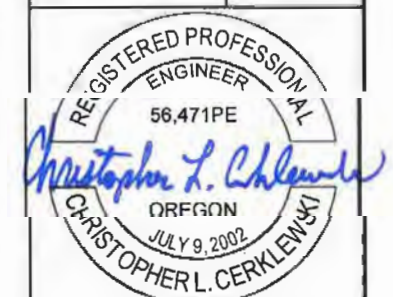
CURVE DATA WILL BE PROVIDED BY THE ENGINEER.

DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
HORIZONTAL CURVE TABLE

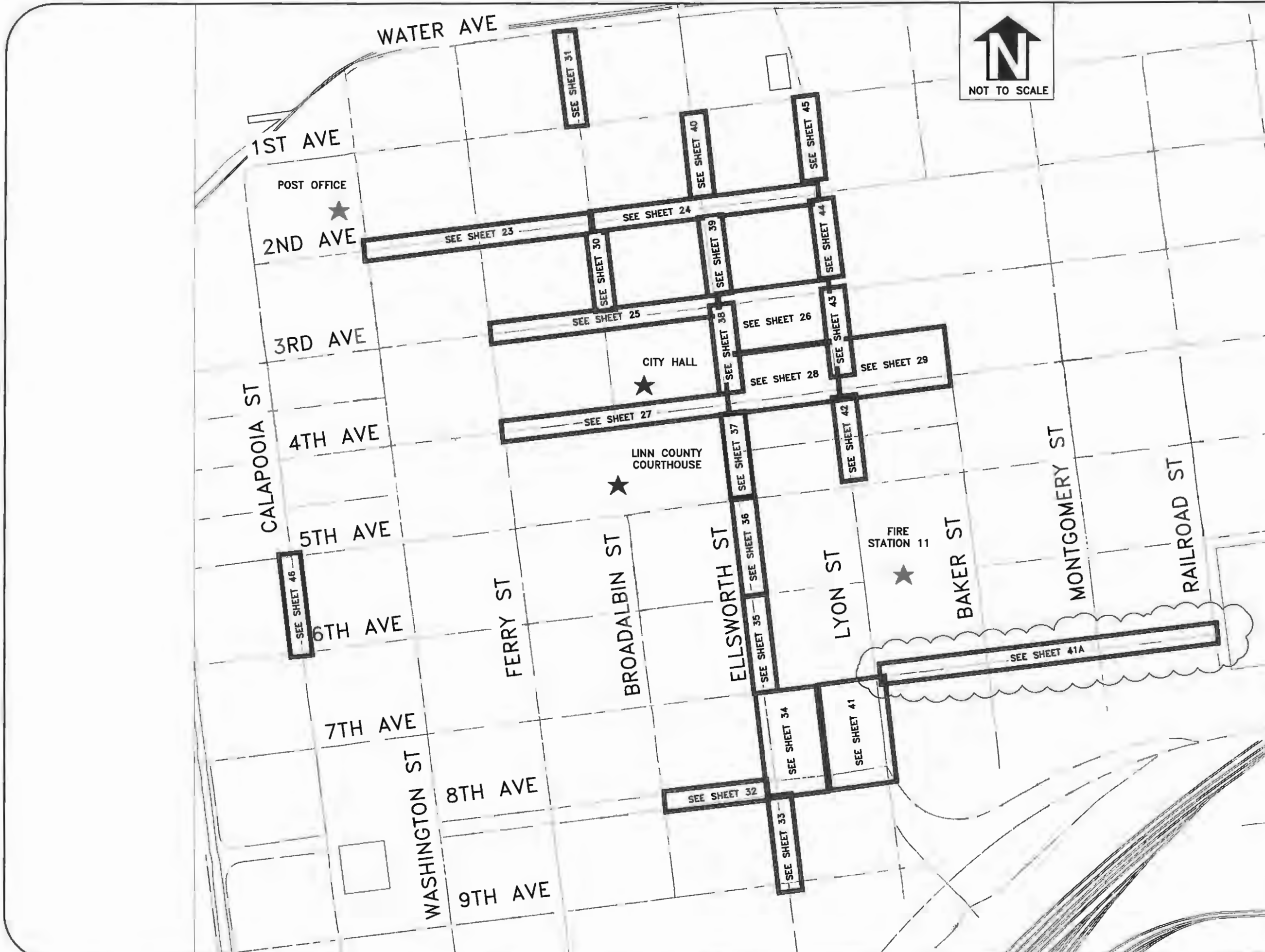


EXPIRATION DATE: 12/31/2017

SHEET NO. 21 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 REV 1 ULS
DATE: 4/11/2017	

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ENGINEERING SERVICES

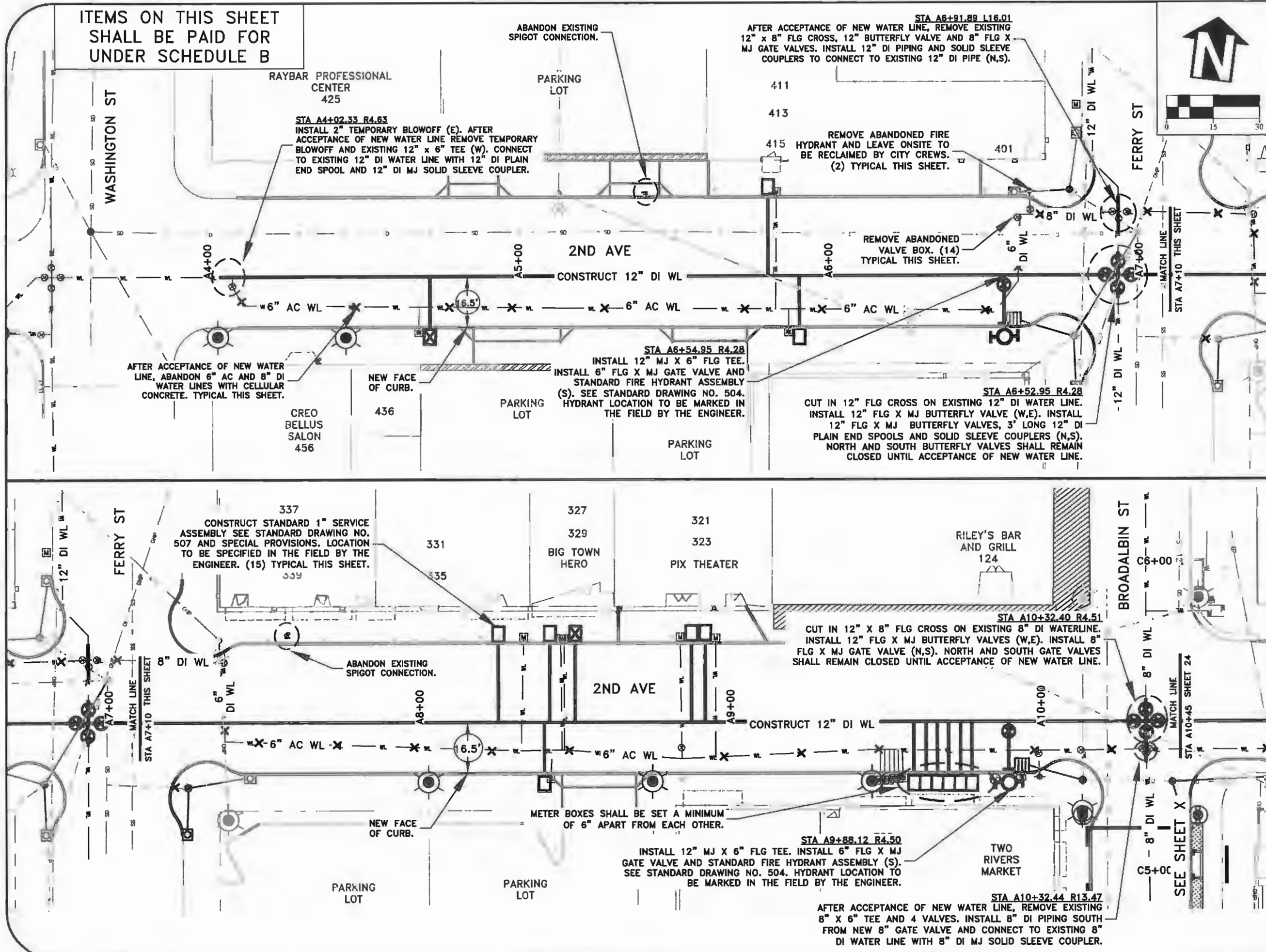


ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
WATER LINE COVER SHEET



EXPIRATION DATE: 12/31/2017
 SHEET NO. 22 OF 192
 PROJECT NO: ST-15-03-B
 FILE: FILENAME.DWG

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE B



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 4/11/2017	DATE: ---

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Albany

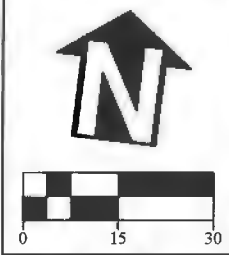
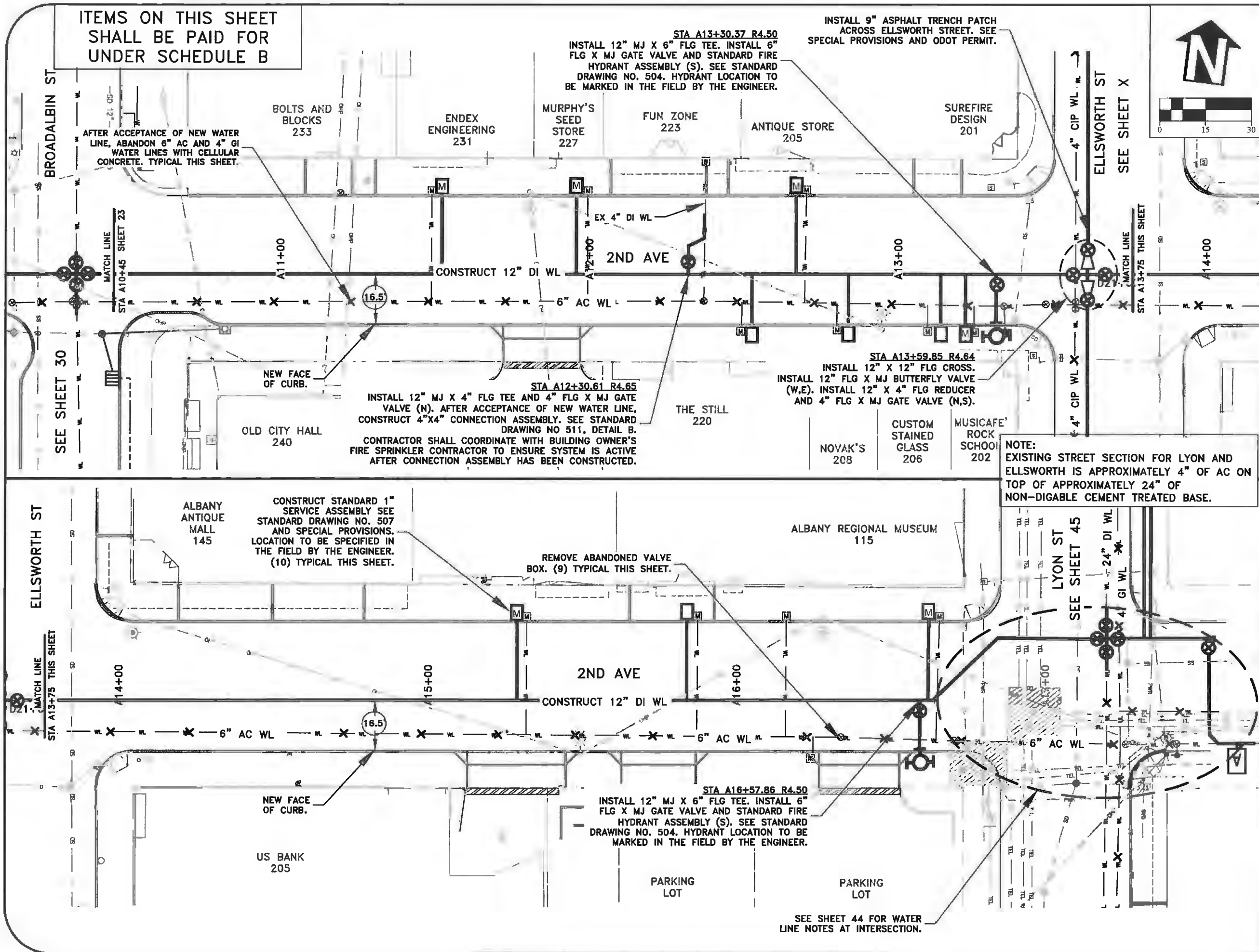
ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
2ND AVENUE WATER LINE

REGISTERED PROFESSIONAL ENGINEER
56,471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 23 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE B

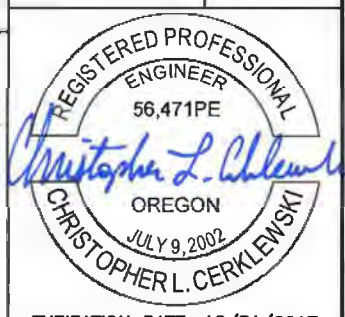


DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 2ND AVENUE WATER LINE

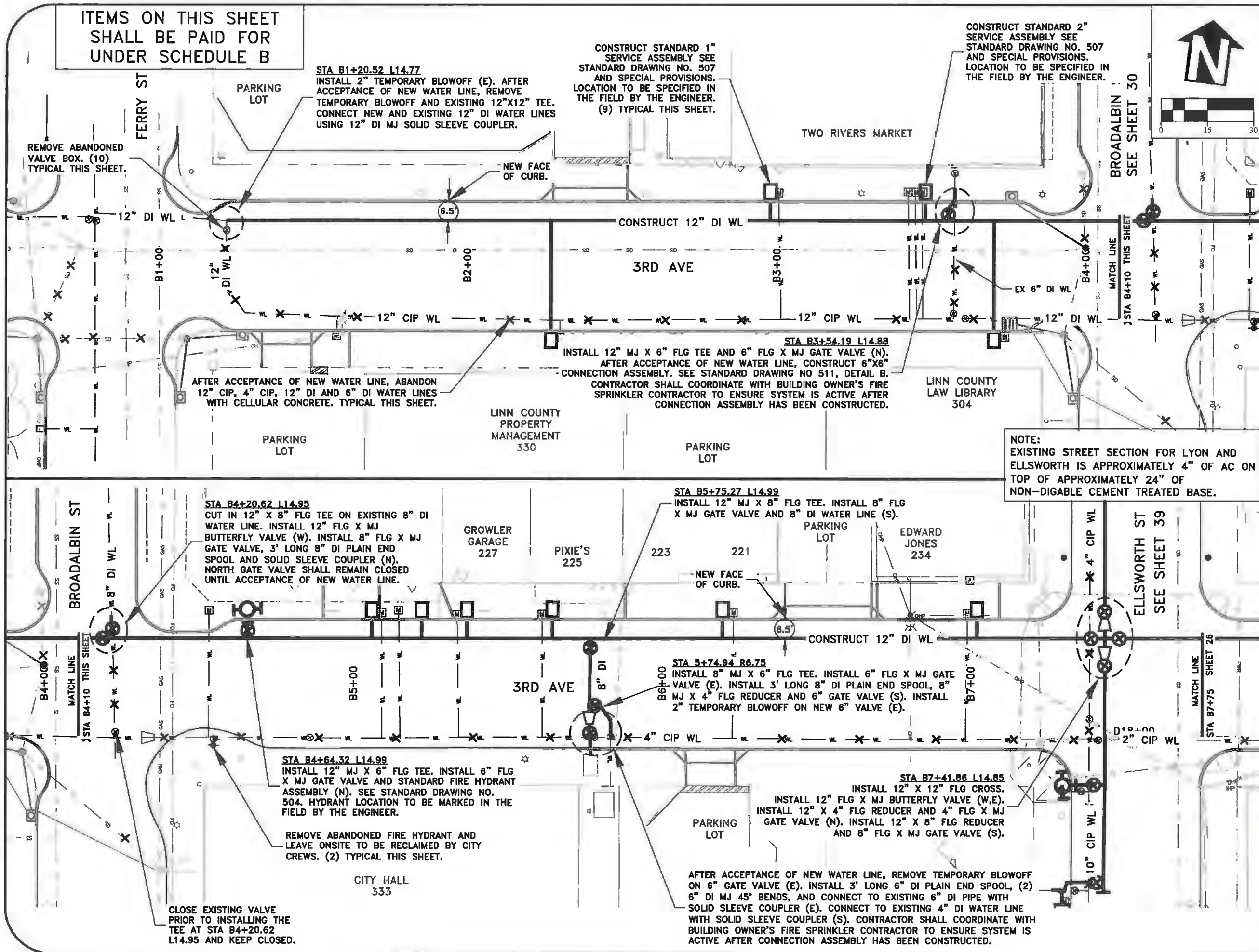
NOTE:
 EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.



EXPIRATION DATE: 12/31/2017
 SHEET NO. 24 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

SEE SHEET 44 FOR WATER LINE NOTES AT INTERSECTION.

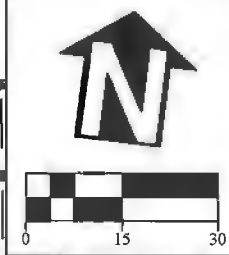
ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE B



STA B1+20.52 L14.77
 INSTALL 2" TEMPORARY BLOWOFF (E). AFTER ACCEPTANCE OF NEW WATER LINE, REMOVE TEMPORARY BLOWOFF AND EXISTING 12"x12" TEE. CONNECT NEW AND EXISTING 12" DI WATER LINES USING 12" DI MJ SOLID SLEEVE COUPLER.

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. (9) TYPICAL THIS SHEET.

CONSTRUCT STANDARD 2" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 3RD AVENUE WATER LINE

REGISTERED PROFESSIONAL ENGINEER
 56.471PE
Christopher L. Chlan
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017
 SHEET NO. 25 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

AFTER ACCEPTANCE OF NEW WATER LINE, ABANDON 12" CIP, 4" CIP, 12" DI AND 6" DI WATER LINES WITH CELLULAR CONCRETE. TYPICAL THIS SHEET.

STA B3+54.19 L14.88
 INSTALL 12" MJ X 6" FLG TEE AND 6" FLG X MJ GATE VALVE (N). AFTER ACCEPTANCE OF NEW WATER LINE, CONSTRUCT 6"x6" CONNECTION ASSEMBLY. SEE STANDARD DRAWING NO 511, DETAIL B. CONTRACTOR SHALL COORDINATE WITH BUILDING OWNER'S FIRE SPRINKLER CONTRACTOR TO ENSURE SYSTEM IS ACTIVE AFTER CONNECTION ASSEMBLY HAS BEEN CONSTRUCTED.

NOTE:
 EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

STA B4+20.62 L14.95
 CUT IN 12" X 8" FLG TEE ON EXISTING 8" DI WATER LINE. INSTALL 12" FLG X MJ BUTTERFLY VALVE (W). INSTALL 8" FLG X MJ GATE VALVE, 3' LONG 8" DI PLAIN END SPOOL AND SOLID SLEEVE COUPLER (N). NORTH GATE VALVE SHALL REMAIN CLOSED UNTIL ACCEPTANCE OF NEW WATER LINE.

STA B5+75.27 L14.99
 INSTALL 12" MJ X 8" FLG TEE. INSTALL 8" FLG X MJ GATE VALVE AND 8" DI WATER LINE (S).

STA 5+74.94 R6.75
 INSTALL 8" MJ X 6" FLG TEE. INSTALL 6" FLG X MJ GATE VALVE (E). INSTALL 3' LONG 8" DI PLAIN END SPOOL, 8" MJ X 4" FLG REDUCER AND 6" GATE VALVE (S). INSTALL 2" TEMPORARY BLOWOFF ON NEW 6" VALVE (E).

STA B4+64.32 L14.99
 INSTALL 12" MJ X 6" FLG TEE. INSTALL 6" FLG X MJ GATE VALVE AND STANDARD FIRE HYDRANT ASSEMBLY (N). SEE STANDARD DRAWING NO. 504. HYDRANT LOCATION TO BE MARKED IN THE FIELD BY THE ENGINEER.

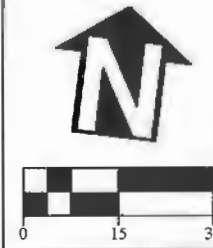
STA B7+41.86 L14.85
 INSTALL 12" X 12" FLG CROSS. INSTALL 12" FLG X MJ BUTTERFLY VALVE (W,E). INSTALL 12" X 4" FLG REDUCER AND 4" FLG X MJ GATE VALVE (N). INSTALL 12" X 8" FLG REDUCER AND 8" FLG X MJ GATE VALVE (S).

REMOVE ABANDONED FIRE HYDRANT AND LEAVE ONSITE TO BE RECLAIMED BY CITY CREWS. (2) TYPICAL THIS SHEET.

AFTER ACCEPTANCE OF NEW WATER LINE, REMOVE TEMPORARY BLOWOFF ON 6" GATE VALVE (E). INSTALL 3' LONG 6" DI PLAIN END SPOOL, (2) 6" DI MJ 45° BENDS, AND CONNECT TO EXISTING 6" DI PIPE WITH SOLID SLEEVE COUPLER (E). CONNECT TO EXISTING 4" DI WATER LINE WITH SOLID SLEEVE COUPLER (S). CONTRACTOR SHALL COORDINATE WITH BUILDING OWNER'S FIRE SPRINKLER CONTRACTOR TO ENSURE SYSTEM IS ACTIVE AFTER CONNECTION ASSEMBLY HAS BEEN CONSTRUCTED.

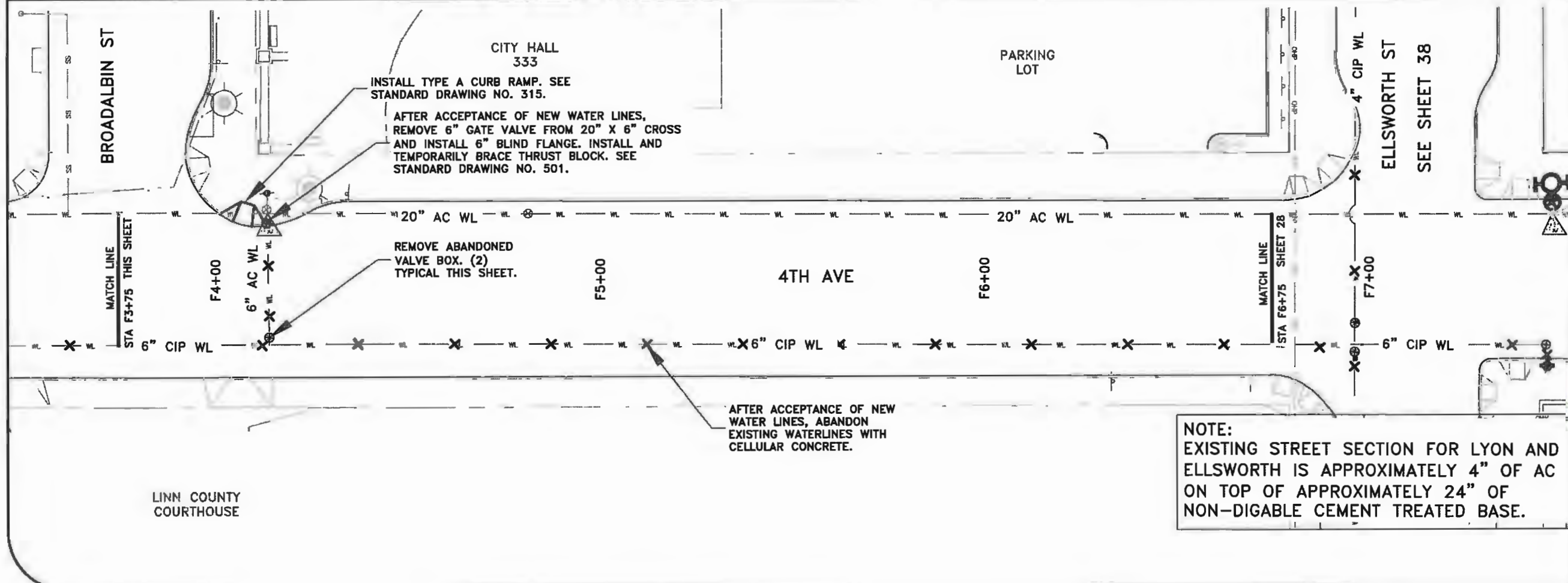
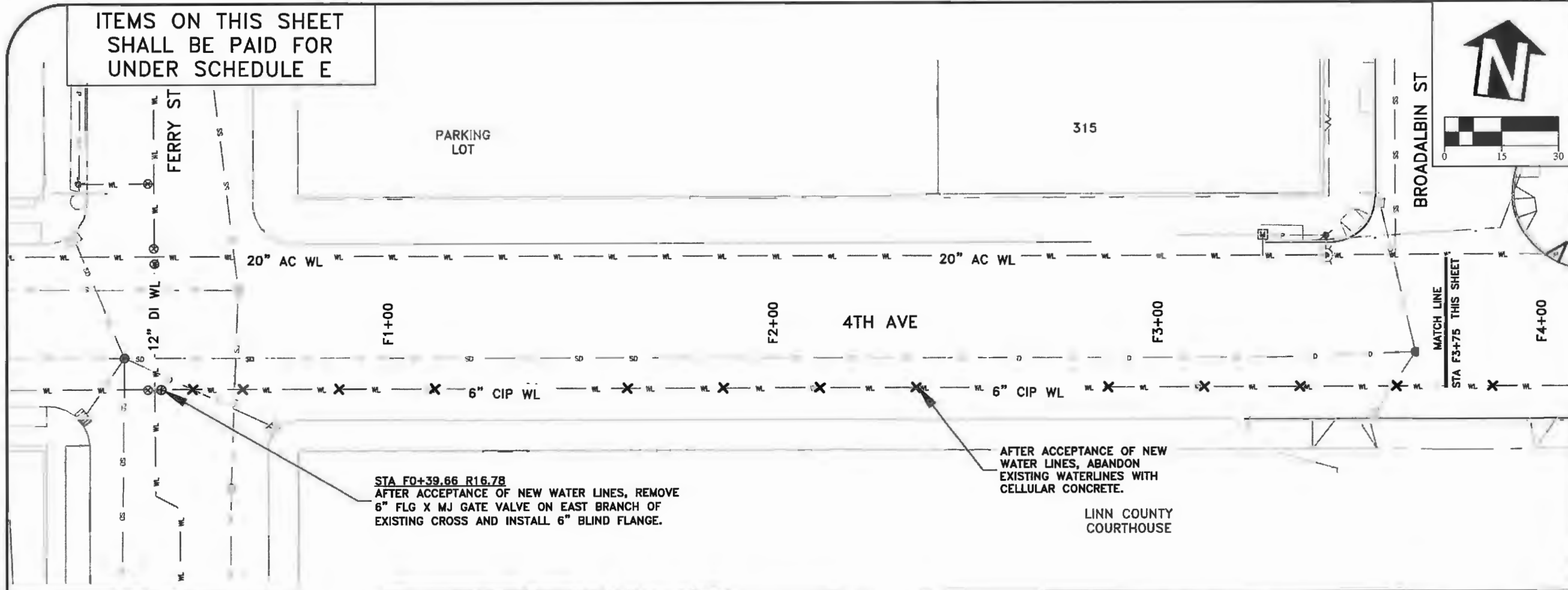
CLOSE EXISTING VALVE PRIOR TO INSTALLING THE TEE AT STA B4+20.62 L14.95 AND KEEP CLOSED.

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO:	BY:



NOTE:
 EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

Alvarado

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 4TH AVENUE WATER LINE



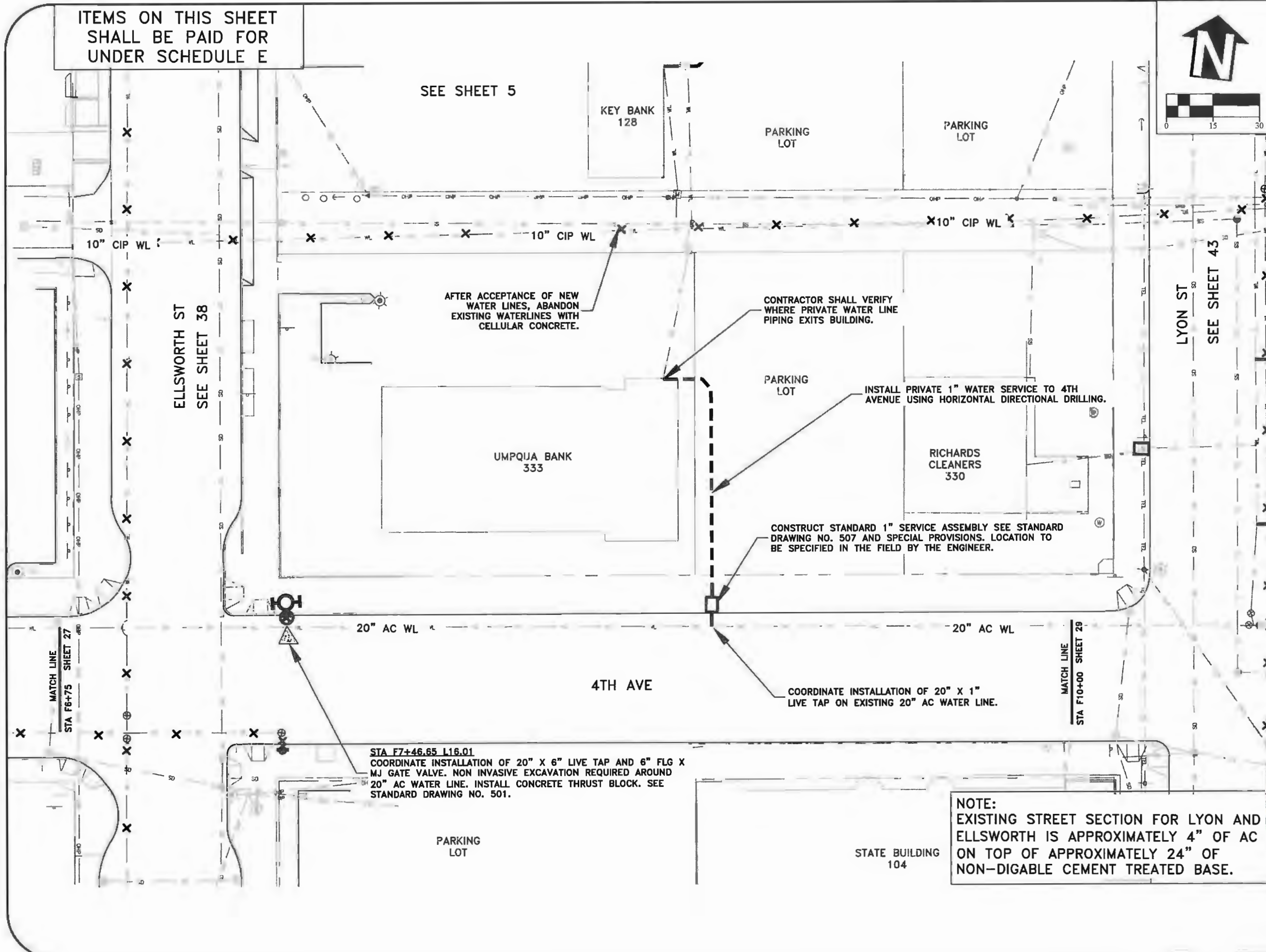
EXPIRATION DATE: 12/31/2017
 SHEET NO. 27 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E

SEE SHEET 5



DESIGNED:	L. SCHUMACHER
DRAWN:	L. SCHUMACHER
CHECKED:	C. CERKLEWSKI
DATE:	4/11/2017
REVISIONS	
NO:	BY:
DATE:	



AFTER ACCEPTANCE OF NEW WATER LINES, ABANDON EXISTING WATERLINES WITH CELLULAR CONCRETE.

CONTRACTOR SHALL VERIFY WHERE PRIVATE WATER LINE PIPING EXITS BUILDING.

INSTALL PRIVATE 1" WATER SERVICE TO 4TH AVENUE USING HORIZONTAL DIRECTIONAL DRILLING.

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER.

COORDINATE INSTALLATION OF 20" X 1" LIVE TAP ON EXISTING 20" AC WATER LINE.

STA F7+46.65 L16.01
COORDINATE INSTALLATION OF 20" X 6" LIVE TAP AND 6" FLG X MJ GATE VALVE. NON INVASIVE EXCAVATION REQUIRED AROUND 20" AC WATER LINE. INSTALL CONCRETE THRUST BLOCK. SEE STANDARD DRAWING NO. 501.

NOTE:
EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



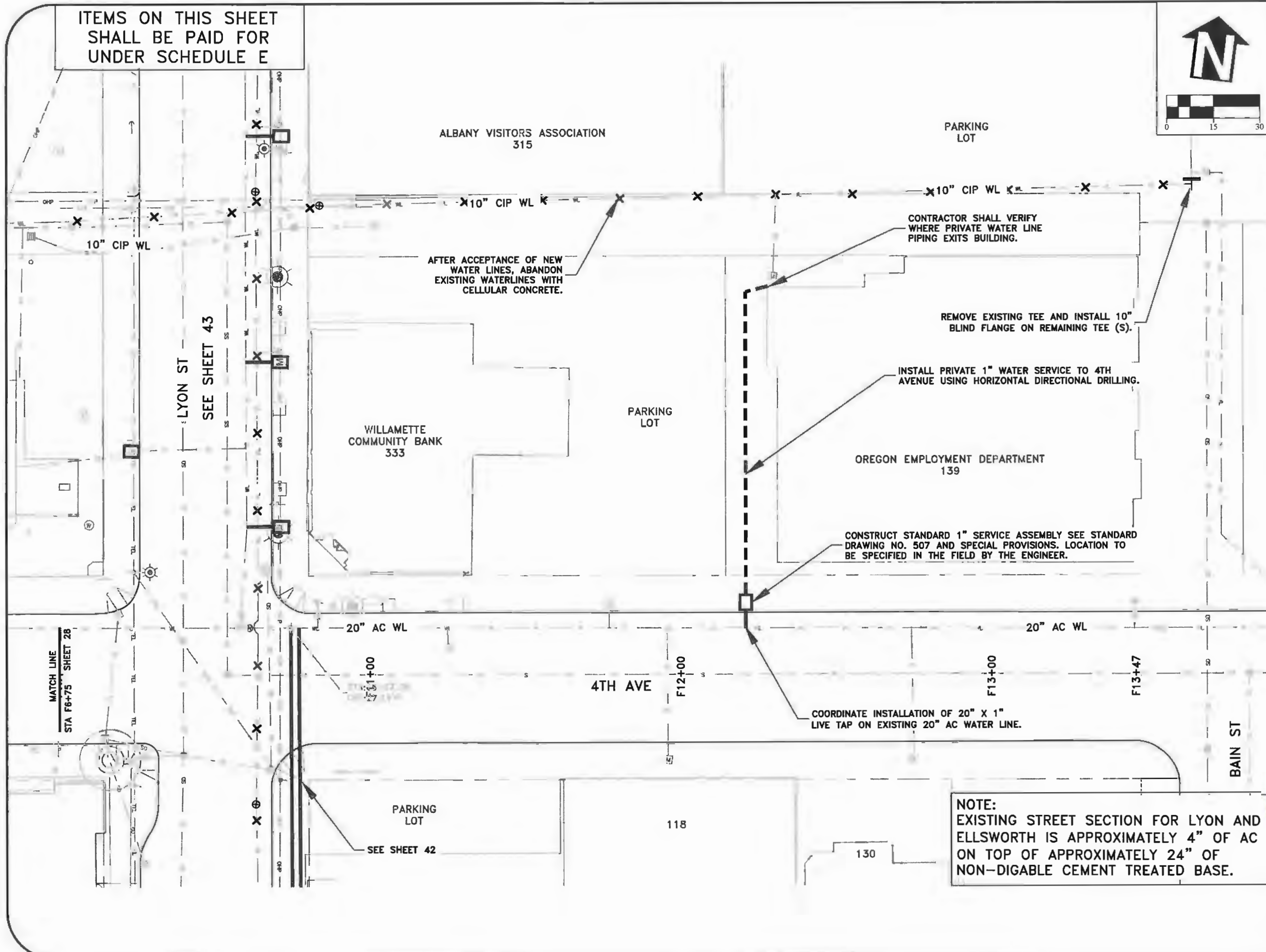
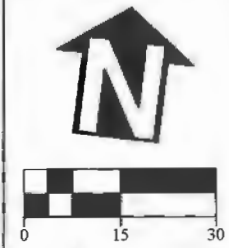
ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
4TH AVENUE WATER LINE



EXPIRATION DATE: 12/31/2017

SHEET NO. 28 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

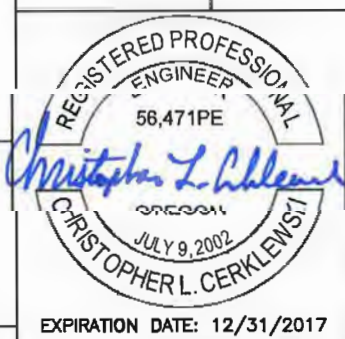
ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
4TH AVENUE WATER LINE**



EXPIRATION DATE: 12/31/2017

SHEET NO. 29 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

NOTE:
EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

AFTER ACCEPTANCE OF NEW WATER LINES, ABANDON EXISTING WATERLINES WITH CELLULAR CONCRETE.

CONTRACTOR SHALL VERIFY WHERE PRIVATE WATER LINE PIPING EXITS BUILDING.

REMOVE EXISTING TEE AND INSTALL 10" BLIND FLANGE ON REMAINING TEE (S).

INSTALL PRIVATE 1" WATER SERVICE TO 4TH AVENUE USING HORIZONTAL DIRECTIONAL DRILLING.

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER.

COORDINATE INSTALLATION OF 20" X 1" LIVE TAP ON EXISTING 20" AC WATER LINE.

MATCH LINE
STA F6+75 SEE SHEET 28

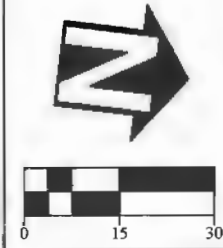
LYON ST
SEE SHEET 43

PARKING LOT
SEE SHEET 42

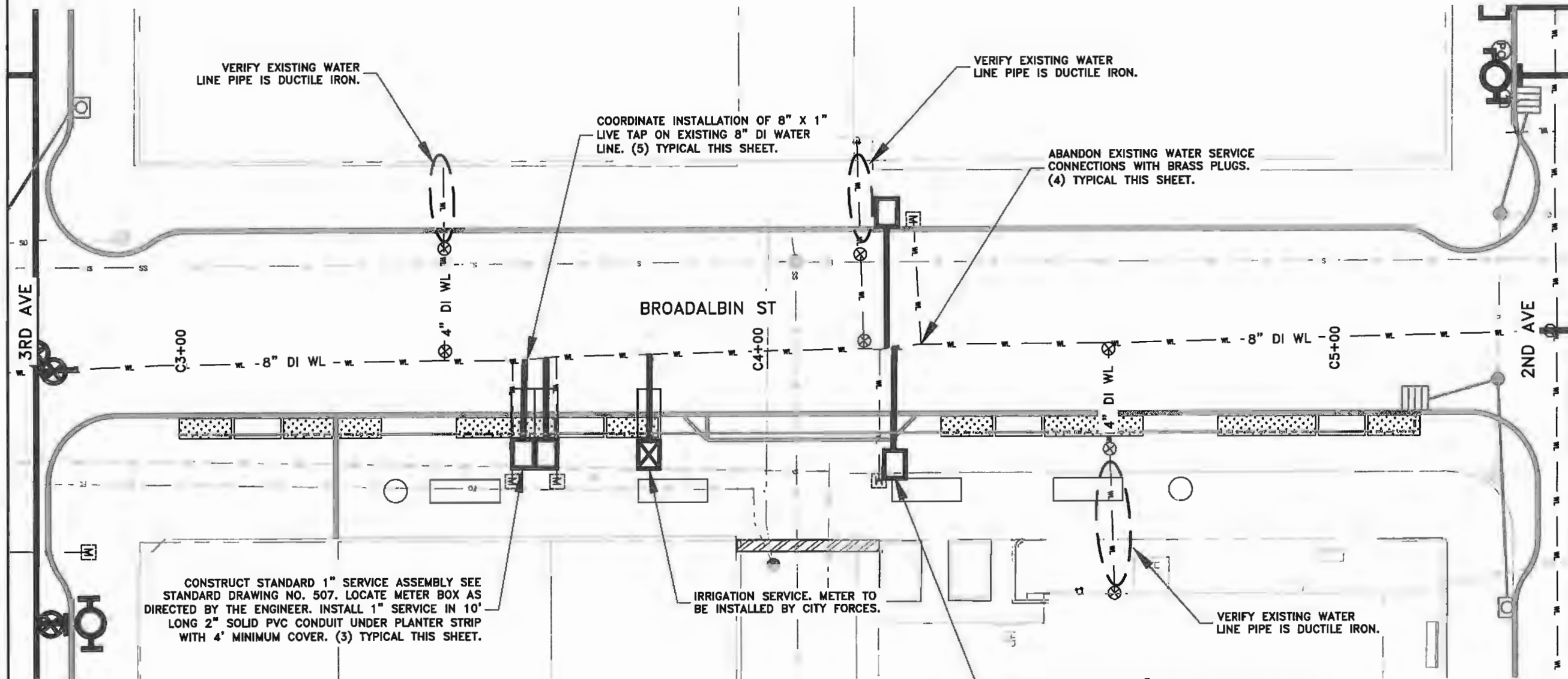
118

130

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE B



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --



VERIFY EXISTING WATER LINE PIPE IS DUCTILE IRON.

COORDINATE INSTALLATION OF 8" X 1" LIVE TAP ON EXISTING 8" DI WATER LINE. (5) TYPICAL THIS SHEET.

VERIFY EXISTING WATER LINE PIPE IS DUCTILE IRON.

ABANDON EXISTING WATER SERVICE CONNECTIONS WITH BRASS PLUGS. (4) TYPICAL THIS SHEET.

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507. LOCATE METER BOX AS DIRECTED BY THE ENGINEER. INSTALL 1" SERVICE IN 10' LONG 2" SOLID PVC CONDUIT UNDER PLANTER STRIP WITH 4' MINIMUM COVER. (3) TYPICAL THIS SHEET.

IRRIGATION SERVICE. METER TO BE INSTALLED BY CITY FORCES.

VERIFY EXISTING WATER LINE PIPE IS DUCTILE IRON.

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507. LOCATE METER BOX AS DIRECTED BY THE ENGINEER. (2) TYPICAL THIS SHEET.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
BROADALBIN WATER LINE



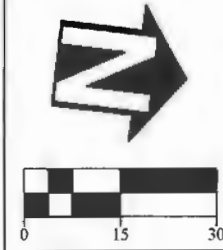
EXPIRATION DATE: 12/31/2017

SHEET NO. 30 OF 192

PROJECT NO: ST-15-03-B

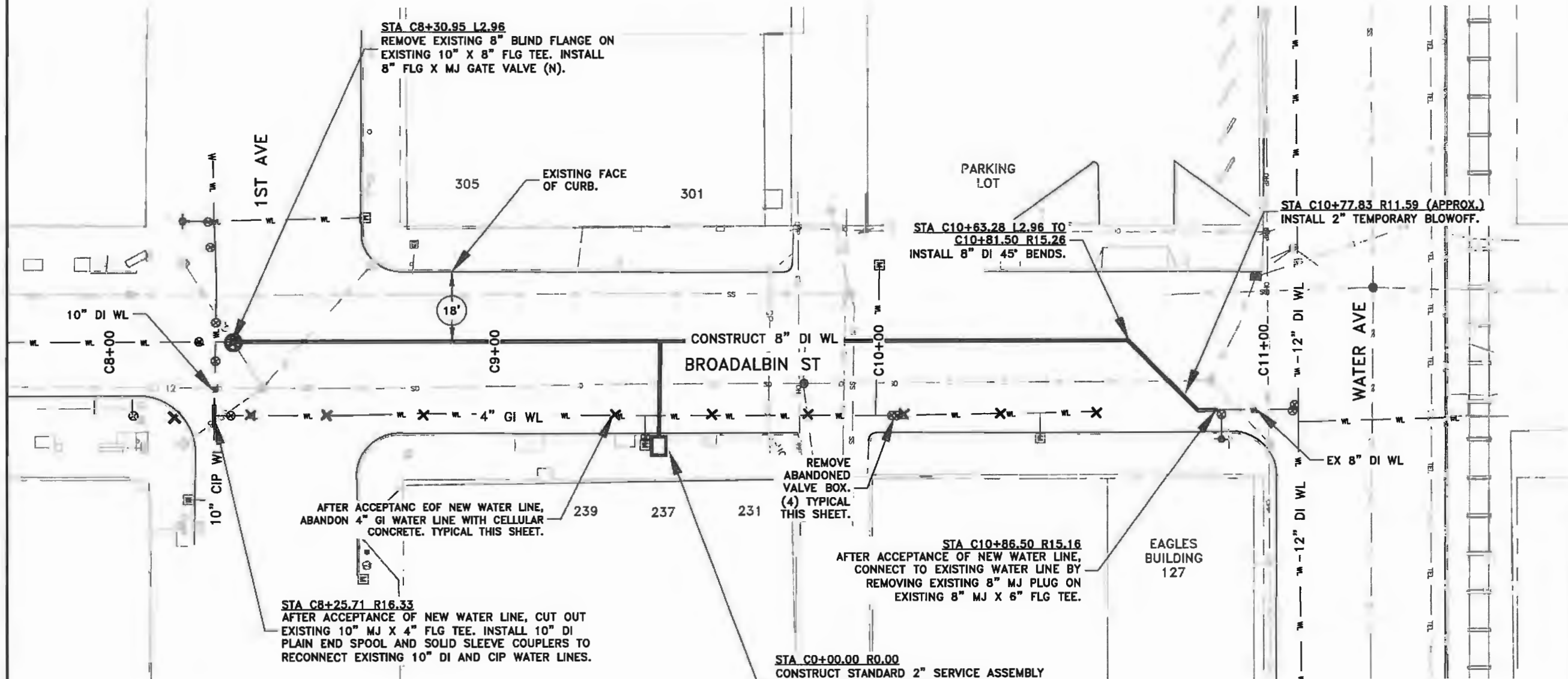
FILE: BASE.DWG

ITEMS ON THIS SHEET
SHALL BE PAID FOR
UNDER SCHEDULE B



DESIGNED: L. SCHUMACHER
DRAWN: L. SCHUMACHER
CHECKED: C. CERKLEWSKI
DATE: 4/11/2017

REVISIONS	
NO.	BY:



NOTE:
INSTALL 4" MIN AC TRENCH PATCHING OVER NEW WATER LINE TRENCHES OR MATCH EXISTING AC THICKNESS, WHICHEVER IS GREATER.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



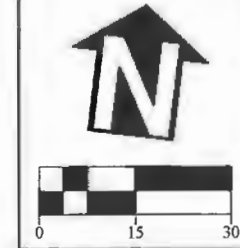
ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
BROADALBIN WATER LINE



EXPIRATION DATE: 12/31/2017

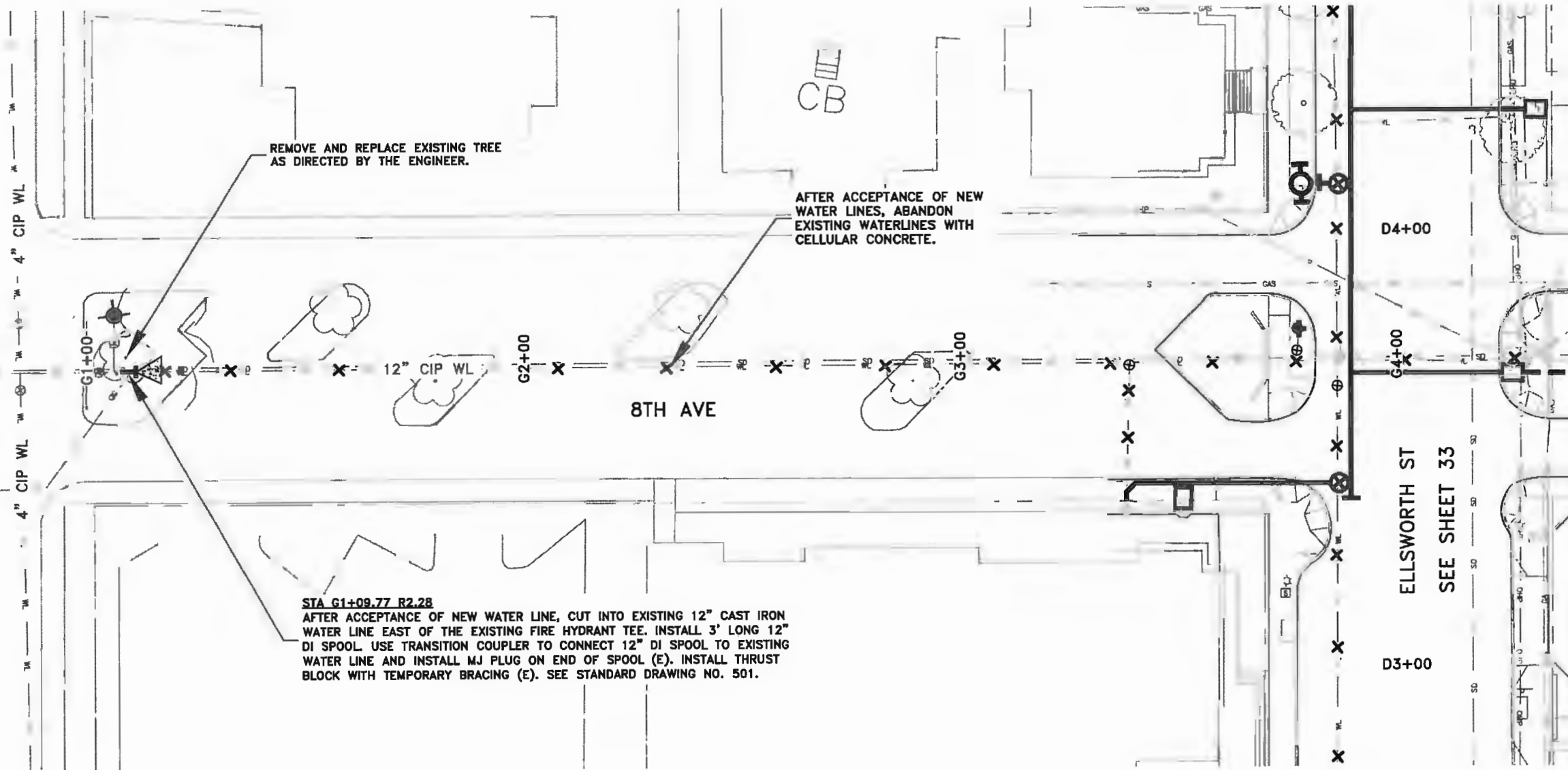
SHEET NO. 31 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

BROADALBIN ST



REMOVE AND REPLACE EXISTING TREE AS DIRECTED BY THE ENGINEER.

AFTER ACCEPTANCE OF NEW WATER LINES, ABANDON EXISTING WATERLINES WITH CELLULAR CONCRETE.

STA G1+09.77 R2.28
 AFTER ACCEPTANCE OF NEW WATER LINE, CUT INTO EXISTING 12" CAST IRON WATER LINE EAST OF THE EXISTING FIRE HYDRANT TEE. INSTALL 3' LONG 12" DI SPOOL USE TRANSITION COUPLER TO CONNECT 12" DI SPOOL TO EXISTING WATER LINE AND INSTALL MJ PLUG ON END OF SPOOL (E). INSTALL THRUST BLOCK WITH TEMPORARY BRACING (E). SEE STANDARD DRAWING NO. 501.

8TH AVE

ELLSWORTH ST
 SEE SHEET 33

NOTE:
 EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.



PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 8TH AVENUE WATER LINE



EXPIRATION DATE: 12/31/2017
 SHEET NO. 32 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E

STA D3+38.28 L64.65
 AFTER ACCEPTANCE OF NEW WATER LINE, REMOVE TEMPORARY BLOWOFF AND CONSTRUCT 4"x4" CONNECTION ASSEMBLY. SEE STANDARD DRAWING NO 511, DETAIL B. CONTRACTOR SHALL COORDINATE WITH BUILDING OWNER'S FIRE SPRINKLER CONTRACTOR TO ENSURE SYSTEM IS ACTIVE AFTER CONNECTION ASSEMBLY HAS BEEN CONSTRUCTED.

STA D3+38.28 L60.00 (APPROX)
 INSTALL 2" TEMPORARY BLOWOFF.

CONSTRUCT STANDARD 2" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER.

STA D0+98.06 L16.55
 AFTER ACCEPTANCE OF NEW WATER LINE, REMOVE EXISTING 4" GATE VALVE ON EXISTING TEE AND INSTALL 4" BLIND FLANGE (N).. INSTALL THRUST BLOCK AND TEMPORARY BRACING (N). SEE STANDARD DRAWING NO. 501. INSTALL 9" TRENCH PATCHING AND PERFORM A 4" GRIND INLAY OF INTERSECTION. LIMITS OF GRIND INLAY TO BE MARKED IN THE FIELD BY THE ENGINEER. SEE ODOT PERMIT AND SPECIAL PROVISIONS.

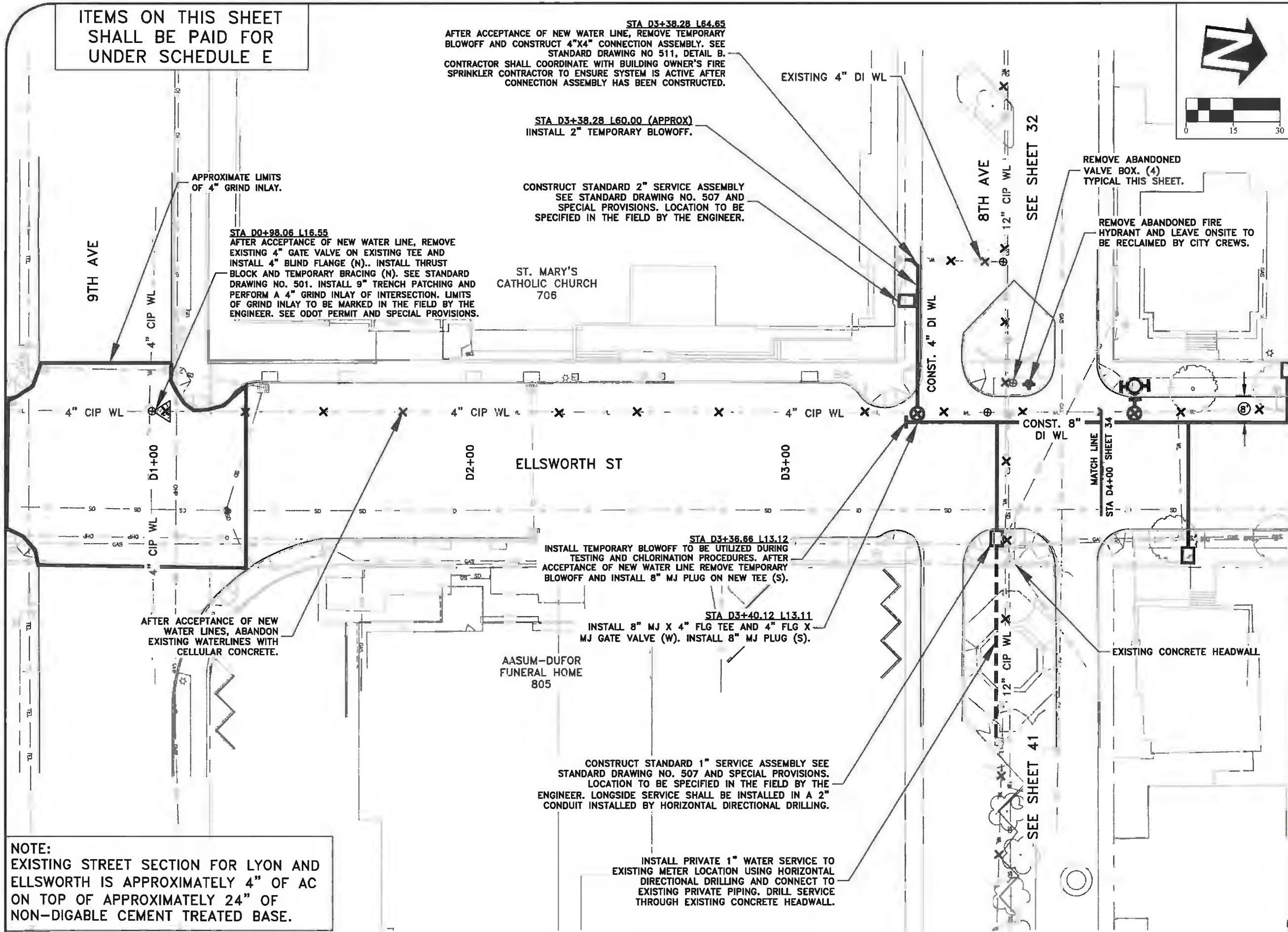
AFTER ACCEPTANCE OF NEW WATER LINES, ABANDON EXISTING WATERLINES WITH CELLULAR CONCRETE.

STA D3+36.66 L13.12
 INSTALL TEMPORARY BLOWOFF TO BE UTILIZED DURING TESTING AND CHLORINATION PROCEDURES. AFTER ACCEPTANCE OF NEW WATER LINE REMOVE TEMPORARY BLOWOFF AND INSTALL 8" MJ PLUG ON NEW TEE (S).

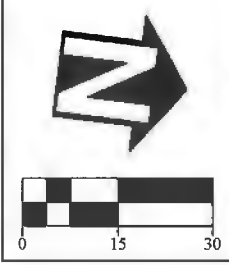
STA D3+40.12 L13.11
 INSTALL 8" MJ X 4" FLG TEE AND 4" FLG X MJ GATE VALVE (W). INSTALL 8" MJ PLUG (S).

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. LONGSIDE SERVICE SHALL BE INSTALLED IN A 2" CONDUIT INSTALLED BY HORIZONTAL DIRECTIONAL DRILLING.

INSTALL PRIVATE 1" WATER SERVICE TO EXISTING METER LOCATION USING HORIZONTAL DIRECTIONAL DRILLING AND CONNECT TO EXISTING PRIVATE PIPING. DRILL SERVICE THROUGH EXISTING CONCRETE HEADWALL.




NOTE:
 EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 4/11/2017	DATE: ---

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET WATER LINE

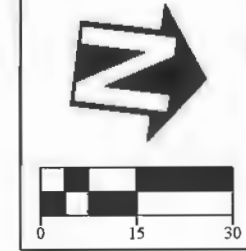
REGISTERED PROFESSIONAL
 ENGINEER
 56,471PE
Christopher L. Cerkowski
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017
 SHEET NO. 33 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

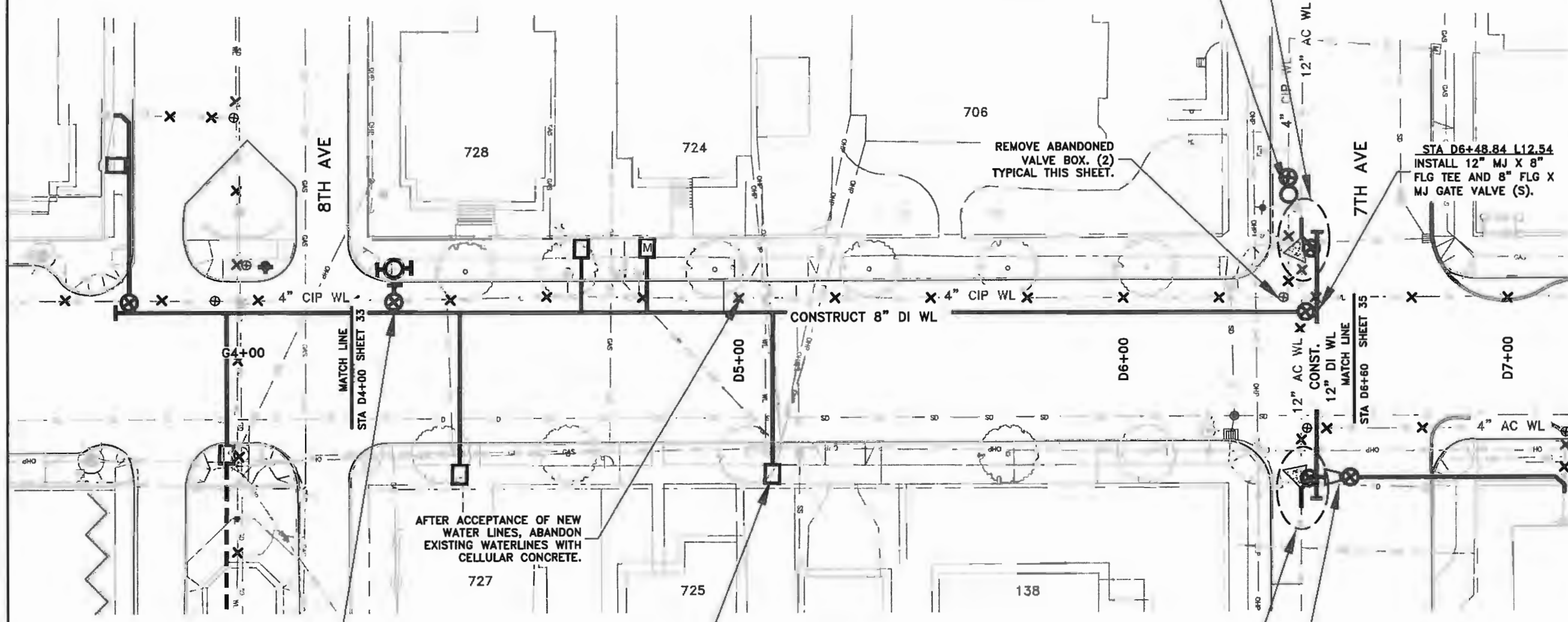
ITEMS ON THIS SHEET
SHALL BE PAID FOR
UNDER SCHEDULE E

STA D6+48.93 L29.03
INSTALL STANDARD 12"x12" CONNECTION ASSEMBLY SEE
STANDARD DRAWING NO. 511 DETAIL A. INSTALL CONCRETE
THRUST BLOCK ON 45° BEND. SEE STANDARD DRAWING NO. 501.

STA D6+41.67 L43.16
CUT IN 2" BLOWOFF ASSEMBLY ONTO 4" CIP
WATERLINE 4' EAST OF THE LAST SERVICE.
SEE STANDARD DRAWING NO. 506.



DESIGNED: L. SCHUMACHER	REVISIONS
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CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --



STA D6+48.84 L12.54
INSTALL 12" MJ X 8"
FLG TEE AND 8" FLG X
MJ GATE VALVE (S).

REMOVE ABANDONED
VALVE BOX. (2)
TYPICAL THIS SHEET.

AFTER ACCEPTANCE OF NEW
WATER LINES, ABANDON
EXISTING WATERLINES WITH
CELLULAR CONCRETE.

(APPROX) STA D4+08.57 L13.00
INSTALL 8" MJ X 6" FLG TEE. INSTALL 6" FLG
X MJ GATE VALVE AND STANDARD FIRE
HYDRANT ASSEMBLY (W). SEE STANDARD
DRAWING NO. 504. HYDRANT LOCATION TO BE
MARKED IN THE FIELD BY THE ENGINEER.

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE
STANDARD DRAWING NO. 507 AND SPECIAL
PROVISIONS. LOCATION TO BE SPECIFIED IN THE
FIELD BY THE ENGINEER.
(4) TYPICAL THIS SHEET. LONGSIDE SERVICES
SHALL BE INSTALLED IN A 2" CONDUIT INSTALLED
BY HORIZONTAL DIRECTIONAL DRILLING.

STA D6+48.68 R30.54
INSTALL STANDARD 12"x12" CONNECTION ASSEMBLY WITH 12"x12" FLG
CROSS. SEE STANDARD DRAWING NO. 511 DETAIL A. INSTALL CONCRETE
THRUST BLOCK ON 45° BEND. SEE STANDARD DRAWING NO. 501.

STA D6+48.68 R30.54
INSTALL 12" X 4" FLG REDUCER AND 4"
FLG X MJ GATE VALVE (N).

NOTE:
EXISTING STREET SECTION FOR LYON AND
ELLSWORTH IS APPROXIMATELY 4" OF AC
ON TOP OF APPROXIMATELY 24" OF
NON-DIGABLE CEMENT TREATED BASE.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET WATER LINE



EXPIRATION DATE: 12/31/2017
SHEET NO. 34 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E

COORDINATE INSTALLATION OF 8" X 1" LIVE TAP ON EXISTING 8" DI WATER LINE. (2) TYPICAL THIS SHEET.

STA D9+35.37 L16.37
AFTER ACCEPTANCE OF NEW WATER LINES, REMOVE 4" FLG X MJ GATE VALVES AND 8" X 4" FLG REDUCERS ON EXISTING 12" MJ X 8" FLG CROSS. INSTALL 8" BLIND FLANGES ON EXISTING CROSS (N,S).

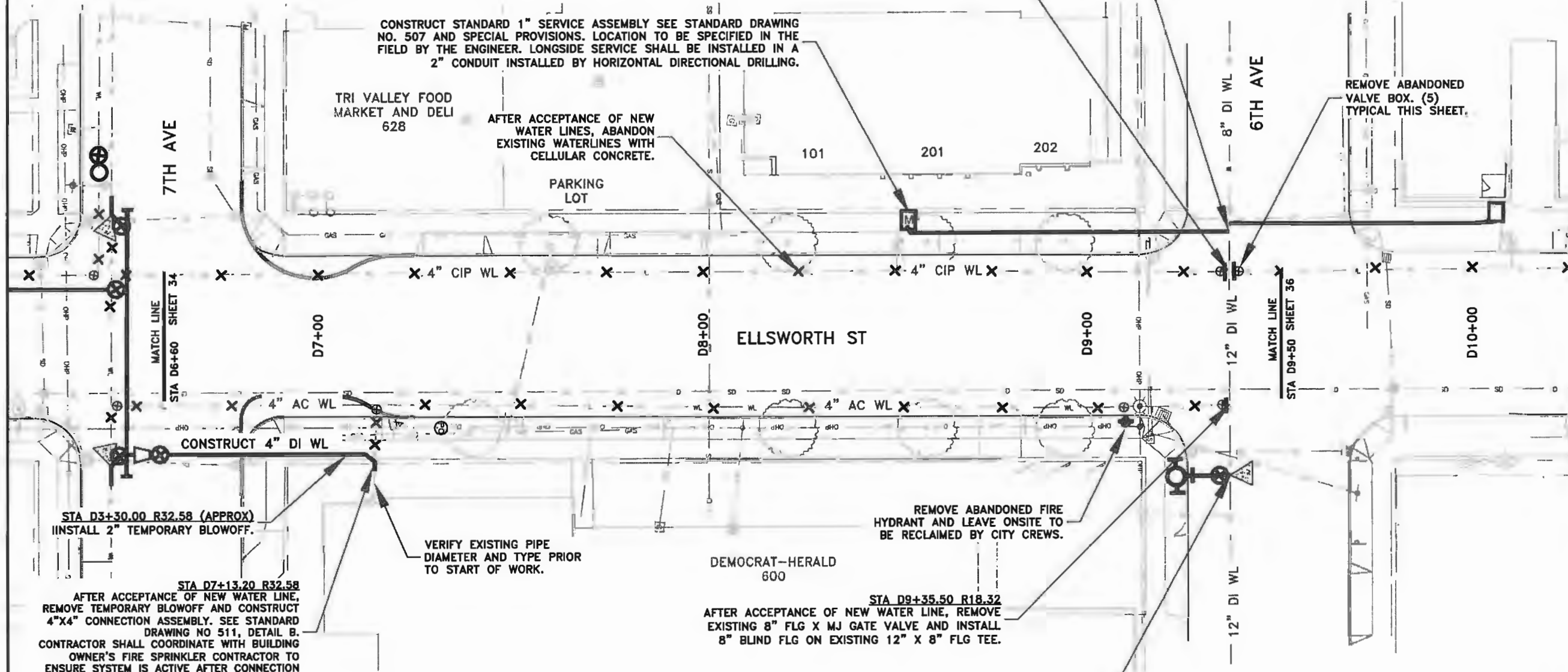
CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. LONGSIDE SERVICE SHALL BE INSTALLED IN A 2" CONDUIT INSTALLED BY HORIZONTAL DIRECTIONAL DRILLING.

TRI VALLEY FOOD MARKET AND DELI 628

AFTER ACCEPTANCE OF NEW WATER LINES, ABANDON EXISTING WATERLINES WITH CELLULAR CONCRETE.

PARKING LOT

REMOVE ABANDONED VALVE BOX. (5) TYPICAL THIS SHEET.



STA D3+30.00 R32.58 (APPROX)
INSTALL 2" TEMPORARY BLOWOFF.

STA D7+13.20 R32.58
AFTER ACCEPTANCE OF NEW WATER LINE, REMOVE TEMPORARY BLOWOFF AND CONSTRUCT 4"X4" CONNECTION ASSEMBLY. SEE STANDARD DRAWING NO 511, DETAIL B. CONTRACTOR SHALL COORDINATE WITH BUILDING OWNER'S FIRE SPRINKLER CONTRACTOR TO ENSURE SYSTEM IS ACTIVE AFTER CONNECTION ASSEMBLY HAS BEEN CONSTRUCTED.

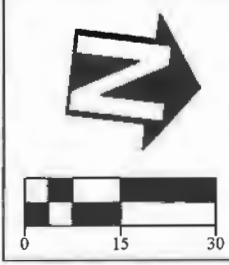
VERIFY EXISTING PIPE DIAMETER AND TYPE PRIOR TO START OF WORK.

REMOVE ABANDONED FIRE HYDRANT AND LEAVE ONSITE TO BE RECLAIMED BY CITY CREWS.

DEMOCRAT-HERALD 600


STA D9+35.50 R18.32
AFTER ACCEPTANCE OF NEW WATER LINE, REMOVE EXISTING 8" FLG X MJ GATE VALVE AND INSTALL 8" BLIND FLG ON EXISTING 12" X 8" FLG TEE.

(APPROX) STA D9+35.56 R36.71
COORDINATE INSTALLATION OF 12" X 6" LIVE TAP AND 6" FLG X MJ GATE VALVE. INSTALL CONCRETE THRUST BLOCK. SEE STANDARD DRAWING NO. 501. INSTALL STANDARD FIRE HYDRANT ASSEMBLY (S). SEE STANDARD DRAWING NO. 504. HYDRANT LOCATION TO BE MARKED IN THE FIELD BY THE ENGINEER.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET WATER LINE

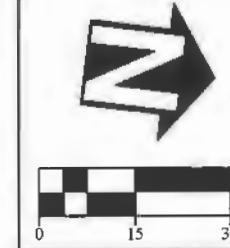
REGISTERED PROFESSIONAL ENGINEER
56,471PE
Christopher L. Chelms
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

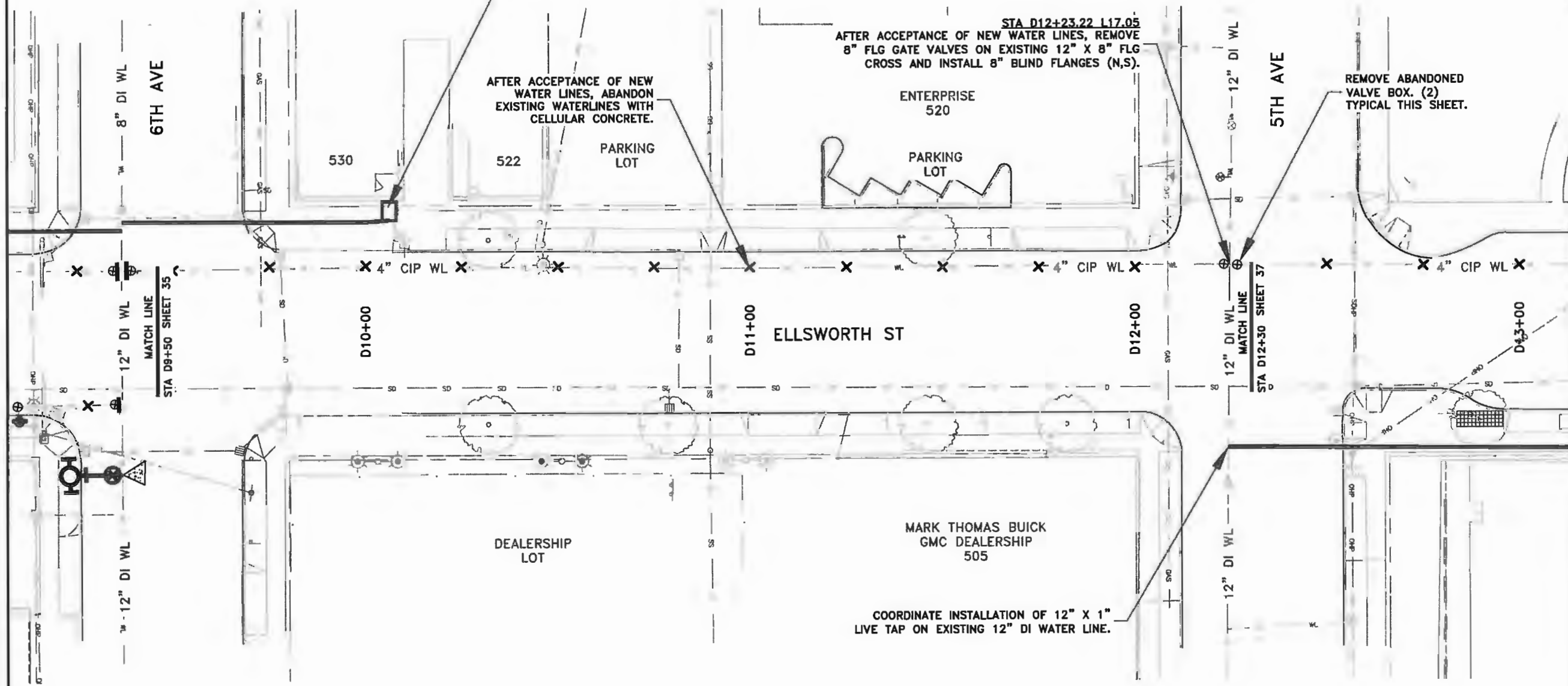
SHEET NO. 35 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

NOTE:
EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E



CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. LONGSIDE SERVICE SHALL BE INSTALLED IN A 2" CONDUIT INSTALLED BY HORIZONTAL DIRECTIONAL DRILLING. RECONNECT PRIVATE IRRIGATION SYSTEM TO NEW SERVICE.



STA D12+23.22 L17.05
AFTER ACCEPTANCE OF NEW WATER LINES, REMOVE 8" FLG GATE VALVES ON EXISTING 12" X 8" FLG CROSS AND INSTALL 8" BLIND FLANGES (N,S).


AFTER ACCEPTANCE OF NEW WATER LINES, ABANDON EXISTING WATERLINES WITH CELLULAR CONCRETE.

REMOVE ABANDONED VALVE BOX. (2) TYPICAL THIS SHEET.

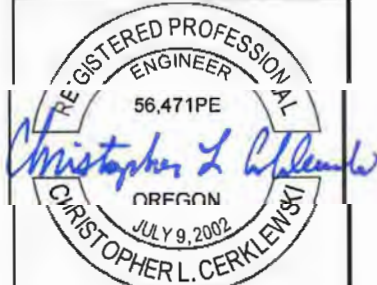
COORDINATE INSTALLATION OF 12" X 1" LIVE TAP ON EXISTING 12" DI WATER LINE.

DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET WATER LINE



EXPIRATION DATE: 12/31/2017

SHEET NO. 36 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

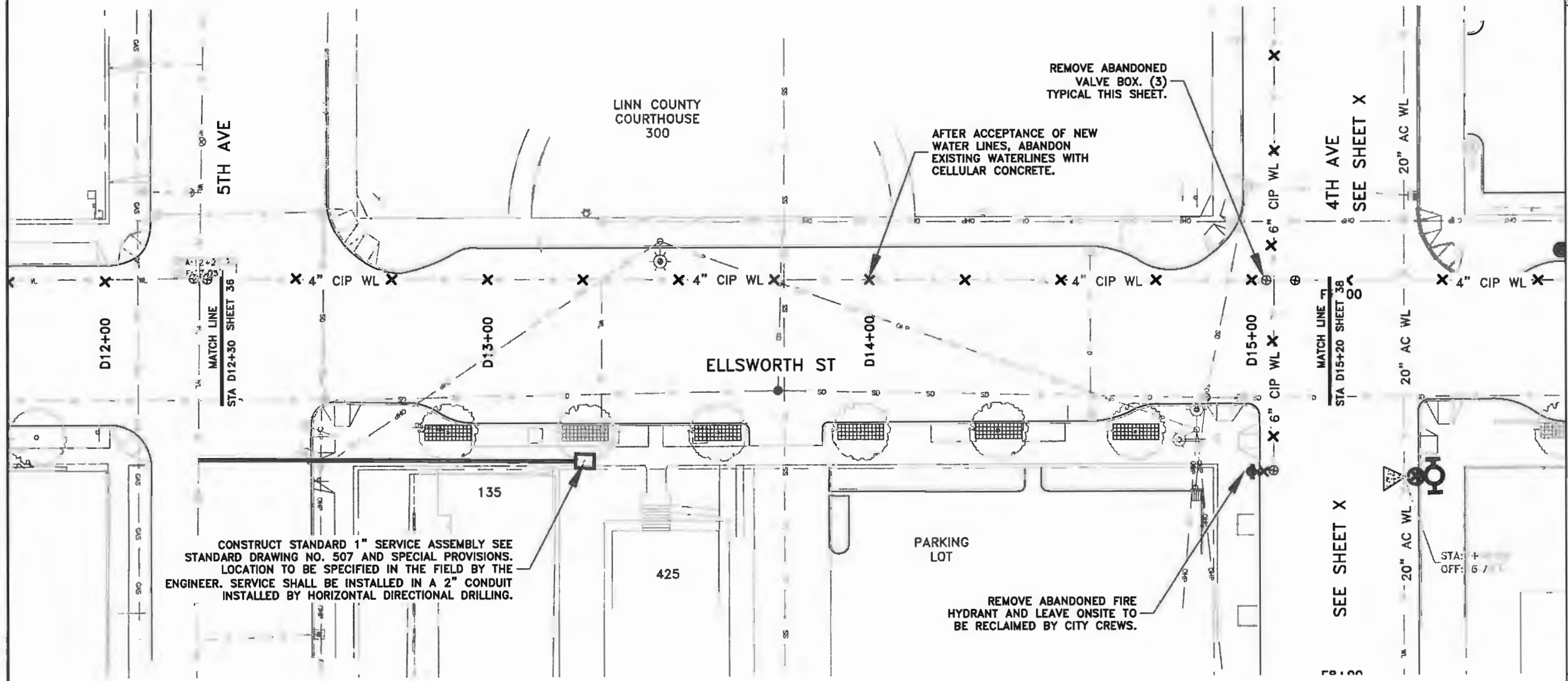
NOTE:
EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

ITEMS ON THIS SHEET
SHALL BE PAID FOR
UNDER SCHEDULE E



DESIGNED: L. SCHUMACHER
DRAWN: L. SCHUMACHER
CHECKED: C. CERKLEWSKI
DATE: 4/11/2017

REVISIONS	
NO:	BY:



CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. SERVICE SHALL BE INSTALLED IN A 2" CONDUIT INSTALLED BY HORIZONTAL DIRECTIONAL DRILLING.

NOTE:
EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET WATER LINE



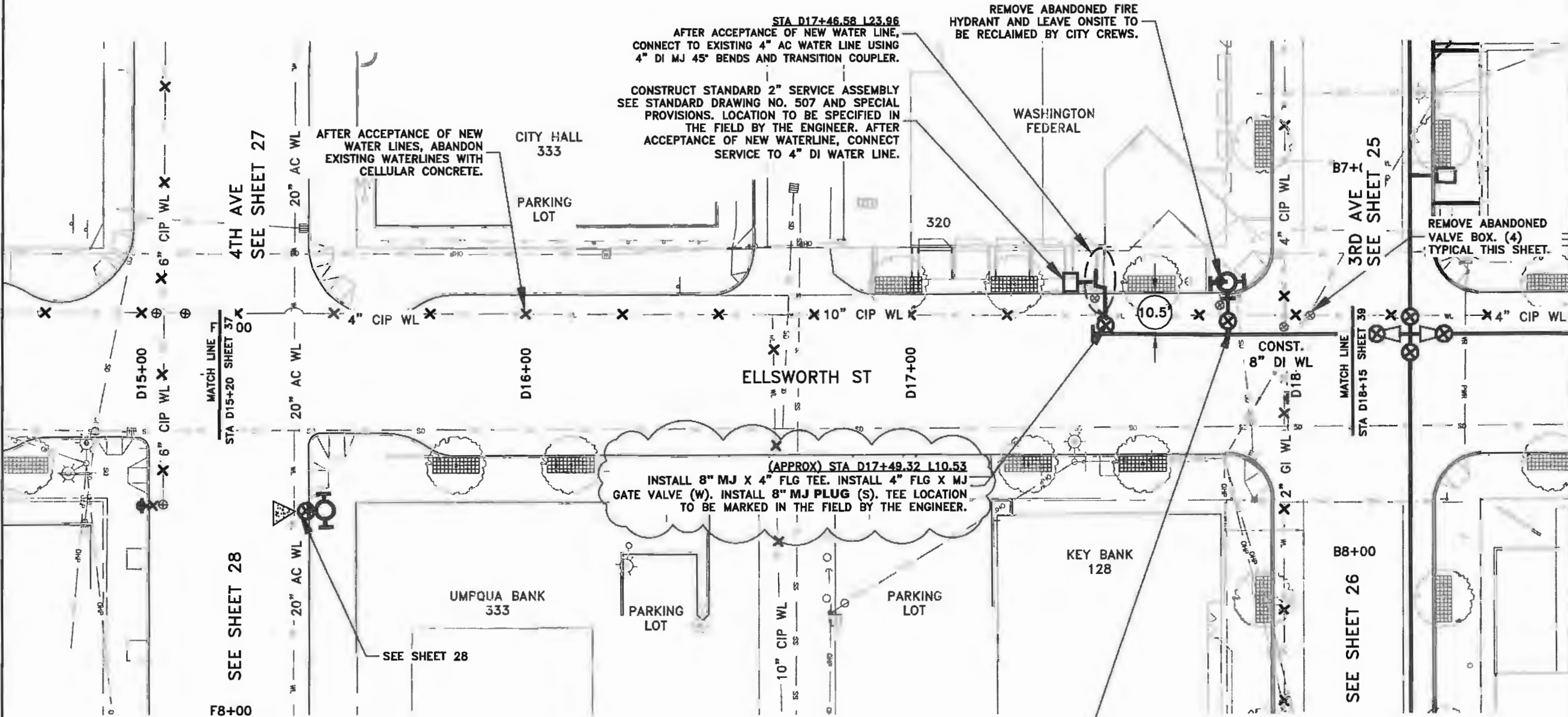
EXPIRATION DATE: 12/31/2017

SHEET NO. 37 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO:
CHECKED: C. CERKLEWSKI	BY: LL
DATE: 4/11/2017	DATE: 4/25/2017
	REV: 1



STA D17+46.58 L23.96
 AFTER ACCEPTANCE OF NEW WATER LINE, CONNECT TO EXISTING 4" AC WATER LINE USING 4" DI MJ 45° BENDS AND TRANSITION COUPLER.

CONSTRUCT STANDARD 2" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. AFTER ACCEPTANCE OF NEW WATERLINE, CONNECT SERVICE TO 4" DI WATER LINE.

(APPROX) STA D17+49.32 L10.53
 INSTALL 8" MJ X 4" FLG TEE. INSTALL 4" FLG X MJ GATE VALVE (W). INSTALL 8" MJ PLUG (S). TEE LOCATION TO BE MARKED IN THE FIELD BY THE ENGINEER.

(APPROX) STA D17+80.94 L10.13
 INSTALL 8" MJ X 6" FLG TEE. INSTALL 6" FLG X MJ GATE VALVE AND STANDARD FIRE HYDRANT ASSEMBLY (W). SEE STANDARD DRAWING NO. 504. HYDRANT LOCATION TO BE MARKED IN THE FIELD BY THE ENGINEER.

NOTE:
 EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 ELLSWORTH STREET WATER LINE

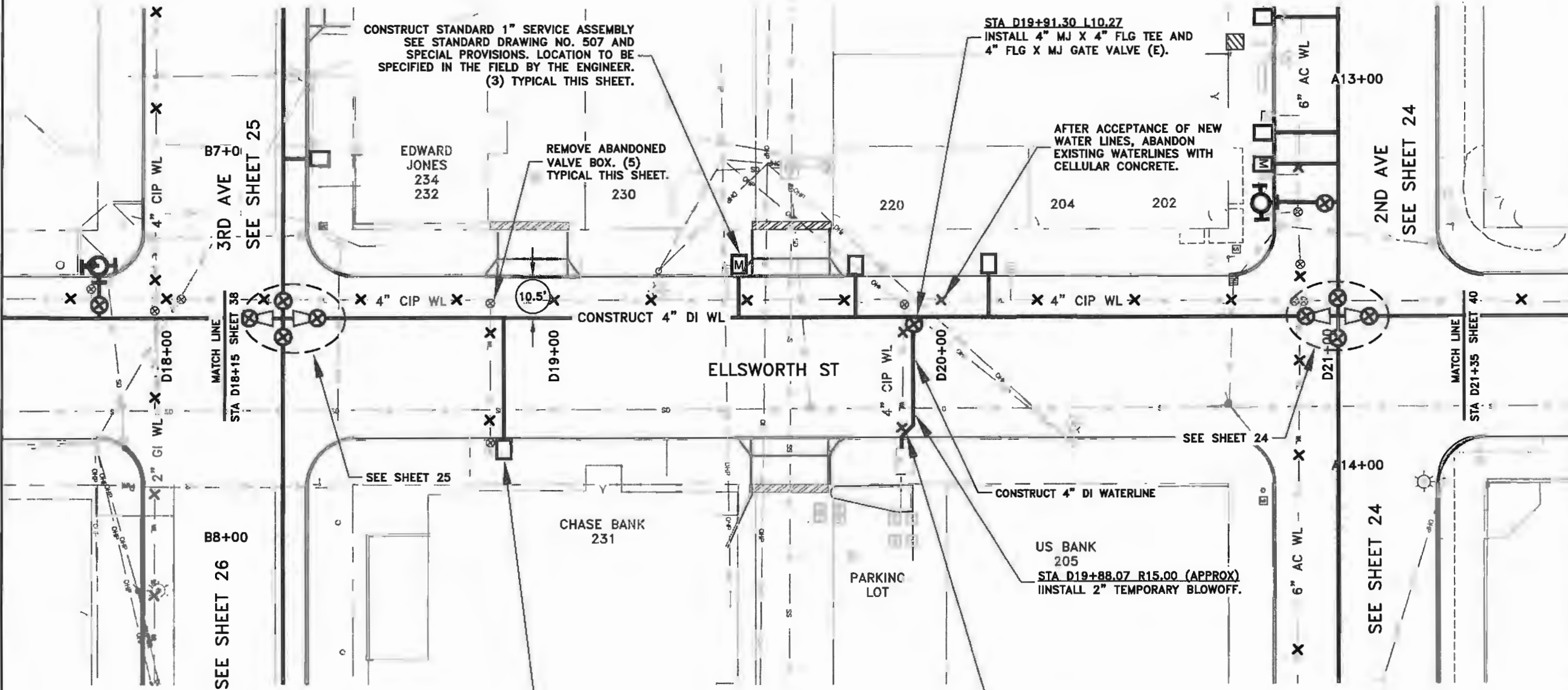


EXPIRATION DATE: 12/31/2017
 SHEET NO. 38 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 REV 1 ULS
DATE: 4/11/2017	



NOTE:
EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

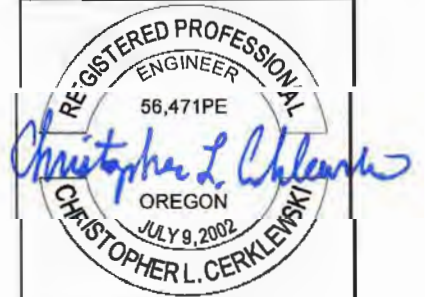
CONSTRUCT STANDARD 2" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. LONGSIDE SERVICE SHALL BE INSTALLED IN A 4" CONDUIT INSTALLED BY HORIZONTAL DIRECTIONAL DRILLING.

STA D19+88.09 R22.64
AFTER ACCEPTANCE OF NEW WATER LINE, REMOVE TEMPORARY BLOWOFF AND CONSTRUCT 4"x4" CONNECTION ASSEMBLY. SEE STANDARD DRAWING NO 511, DETAIL B.
CONTRACTOR SHALL COORDINATE WITH BUILDING OWNER'S FIRE SPRINKLER CONTRACTOR TO ENSURE SYSTEM IS ACTIVE AFTER CONNECTION ASSEMBLY HAS BEEN CONSTRUCTED.

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

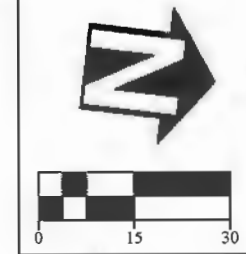


**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET WATER LINE**

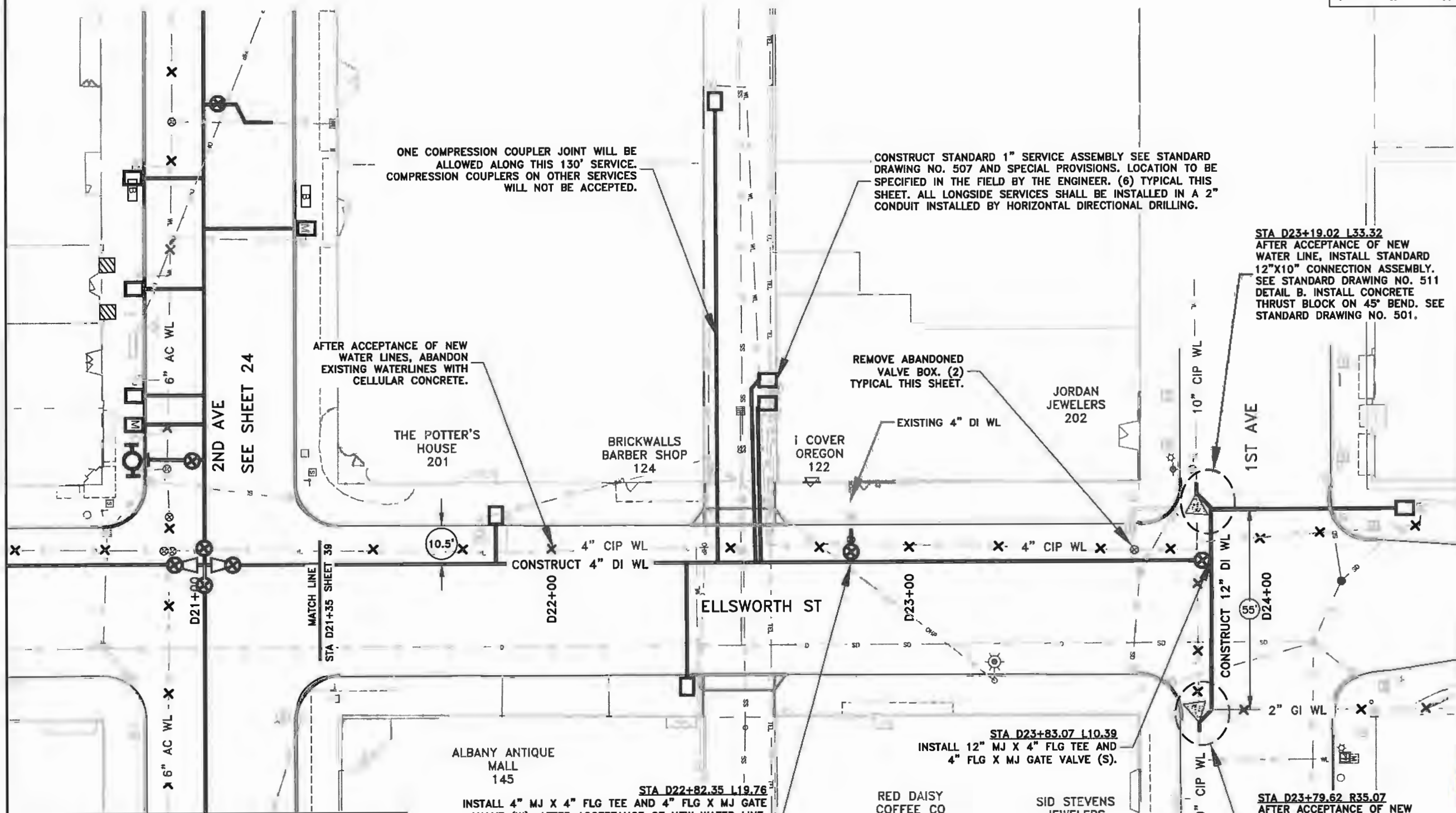


EXPIRATION DATE: 12/31/2017
SHEET NO. 39 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --



ONE COMPRESSION COUPLER JOINT WILL BE ALLOWED ALONG THIS 130' SERVICE. COMPRESSION COUPLERS ON OTHER SERVICES WILL NOT BE ACCEPTED.

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. (6) TYPICAL THIS SHEET. ALL LONGSIDE SERVICES SHALL BE INSTALLED IN A 2" CONDUIT INSTALLED BY HORIZONTAL DIRECTIONAL DRILLING.

STA D23+19.02 L33.32
AFTER ACCEPTANCE OF NEW WATER LINE, INSTALL STANDARD 12"X10" CONNECTION ASSEMBLY. SEE STANDARD DRAWING NO. 511 DETAIL B. INSTALL CONCRETE THRUST BLOCK ON 45° BEND. SEE STANDARD DRAWING NO. 501.

AFTER ACCEPTANCE OF NEW WATER LINES, ABANDON EXISTING WATERLINES WITH CELLULAR CONCRETE.

REMOVE ABANDONED VALVE BOX. (2) TYPICAL THIS SHEET.

EXISTING 4" DI WL

CONSTRUCT 4" DI WL

CONSTRUCT 12" DI WL

STA D23+83.07 L10.39
INSTALL 12" MJ X 4" FLG TEE AND 4" FLG X MJ GATE VALVE (S).

STA D22+82.35 L19.76
INSTALL 4" MJ X 4" FLG TEE AND 4" FLG X MJ GATE VALVE (W). AFTER ACCEPTANCE OF NEW WATER LINE, CONNECT NEW 4" DI WATER LINE TO EXISTING 4" DI WATER LINE WITH SOLID SLEEVE COUPLER.

STA D23+79.62 R35.07
AFTER ACCEPTANCE OF NEW WATER LINE, INSTALL STANDARD 12"X10" CONNECTION ASSEMBLY. SEE STANDARD DRAWING NO. 511 DETAIL B. INSTALL CONCRETE THRUST BLOCK ON 45° BEND. SEE STANDARD DRAWING NO. 501.

NOTE:
EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

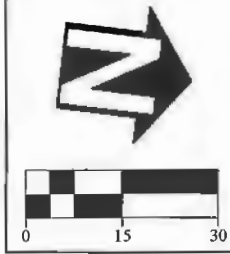
ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET WATER LINE



EXPIRATION DATE: 12/31/2017
SHEET NO. 40 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E

STA E6+48.20 L29.07
INSTALL STANDARD 12"x12" CONNECTION ASSEMBLY SEE STANDARD DRAWING NO. 511 DETAIL A. INSTALL CONCRETE THRUST BLOCK ON 45° BEND. SEE STANDARD DRAWING NO. 501.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 ULS
DATE: 4/11/2017	REV 1

SEE SHEET 34

8TH AVE

REMOVE ABANDONED FIRE HYDRANT AND LEAVE ONSITE TO BE RECLAIMED BY CITY CREWS.

AFTER ACCEPTANCE OF NEW WATER LINE, REMOVE 12" BUTTERFLY VALVE ON WEST BRANCH OF EXISTING CROSS AND INSTALL 12" BLIND FLANGE.

STA E4+05.40 R16.54
AFTER ACCEPTANCE OF NEW WATER LINE, CONNECT TO EXISTING 4" DI WATER LINE WITH SOLID SLEEVE COUPLER AND 3' LONG 4" DI PLAIN END SPOOL.

STA E4+15.93 R12.47 (APPROX.)
INSTALL TEMPORARY BLOWOFF.

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. (7) TYPICAL THIS SHEET. LONGSIDE SERVICES SHALL BE INSTALLED IN A 2" CONDUIT INSTALLED BY HORIZONTAL DIRECTIONAL DRILLING.

PRIVATE PARKING LOT

STA E6+48.07 L10.69
INSTALL 12" MJ X 4" FLG TEE AND 4" FLG X MJ GATE VALVE (S).

G7+00

E4+00

CONST. 4" DI WL

LYON ST

E5+00

E6+00

E7+00

EXISTING 4" CIP WL

4" CIP WL

CONST. 12" DI WL

EXISTING 4" DI WL

STA E4+11.96 R16.48 AND
STA E4+37.79 L11.16
INSTALL 4" DI 45° MJ BENDS.

REMOVE ABANDONED VALVE BOX. (4) TYPICAL THIS SHEET.

EXISTING 12" DI WL

AFTER ACCEPTANCE OF NEW WATER LINES, ABANDON EXISTING WATERLINES WITH CELLULAR CONCRETE.

(APPROX) STA E3+60.00 R13.84
AFTER THE 12" CAST IRON WATER LINE HAS BEEN ABANDONED, REMOVE 12" BLIND FLANGE FROM EAST BRANCH OF EXISTING CROSS. INSTALL 12" FLG X 6" MJ REDUCER, 6" FLG X MJ GATE VALVE AND STANDARD FIRE HYDRANT ASSEMBLY (E). SEE STANDARD DRAWING NO. 504. HYDRANT LOCATION TO BE MARKED IN THE FIELD BY THE ENGINEER.

STA E6+47.99 R36.65
INSTALL STANDARD 12"x12" CONNECTION ASSEMBLY SEE STANDARD DRAWING NO. 511 DETAIL A. INSTALL CONCRETE THRUST BLOCK ON 45° BEND. SEE STANDARD DRAWING NO. 501.

~~STA E4+30.65 R135.09
CUT IN 5' LONG 4" DI PLAIN END SPOOL AND EXISTING 4" CAST IRON WATER LINE 4' WEST OF THE LAST WATER SERVICE. INSTALL 2" BLOWOFF ASSEMBLY ON 4" DI PLAIN END SPOOL. SEE STANDARD DRAWING NO. 506. INSTALL THRUST BLOCK AND TEMPORARY BRACING ON 4" DI PLAIN END SPOOL. SEE STANDARD DRAWING NO. 501.~~

7TH AVE

SEE SHEET 41A

NOTE:
EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET WATER LINE



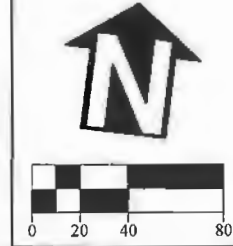
EXPIRATION DATE: 12/31/2017

SHEET NO. 41 OF 192

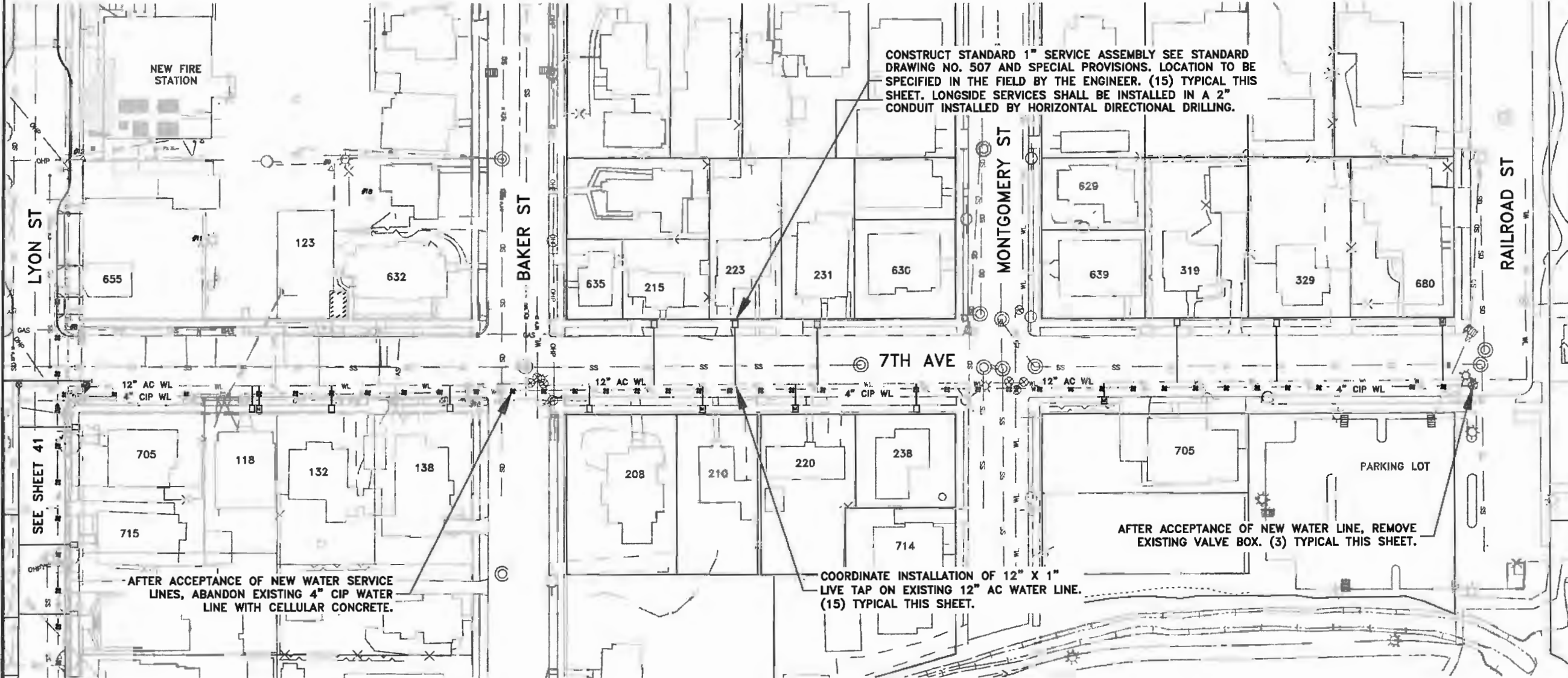
PROJECT NO: ST-15-03-B

FILE: BASE.DWG

ITEMS ON THIS SHEET
SHALL BE PAID FOR
UNDER SCHEDULE E



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 LLS
DATE: 4/11/2017	---



CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. (15) TYPICAL THIS SHEET. LONGSIDE SERVICES SHALL BE INSTALLED IN A 2" CONDUIT INSTALLED BY HORIZONTAL DIRECTIONAL DRILLING.

AFTER ACCEPTANCE OF NEW WATER LINE, REMOVE EXISTING VALVE BOX. (3) TYPICAL THIS SHEET.

COORDINATE INSTALLATION OF 12" X 1" LIVE TAP ON EXISTING 12" AC WATER LINE. (15) TYPICAL THIS SHEET.

AFTER ACCEPTANCE OF NEW WATER SERVICE LINES, ABANDON EXISTING 4" CIP WATER LINE WITH CELLULAR CONCRETE.

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
7TH AVENUE WATER LINE**



EXPIRATION DATE: 12/31/2017

SHEET NO. 41A OF 192

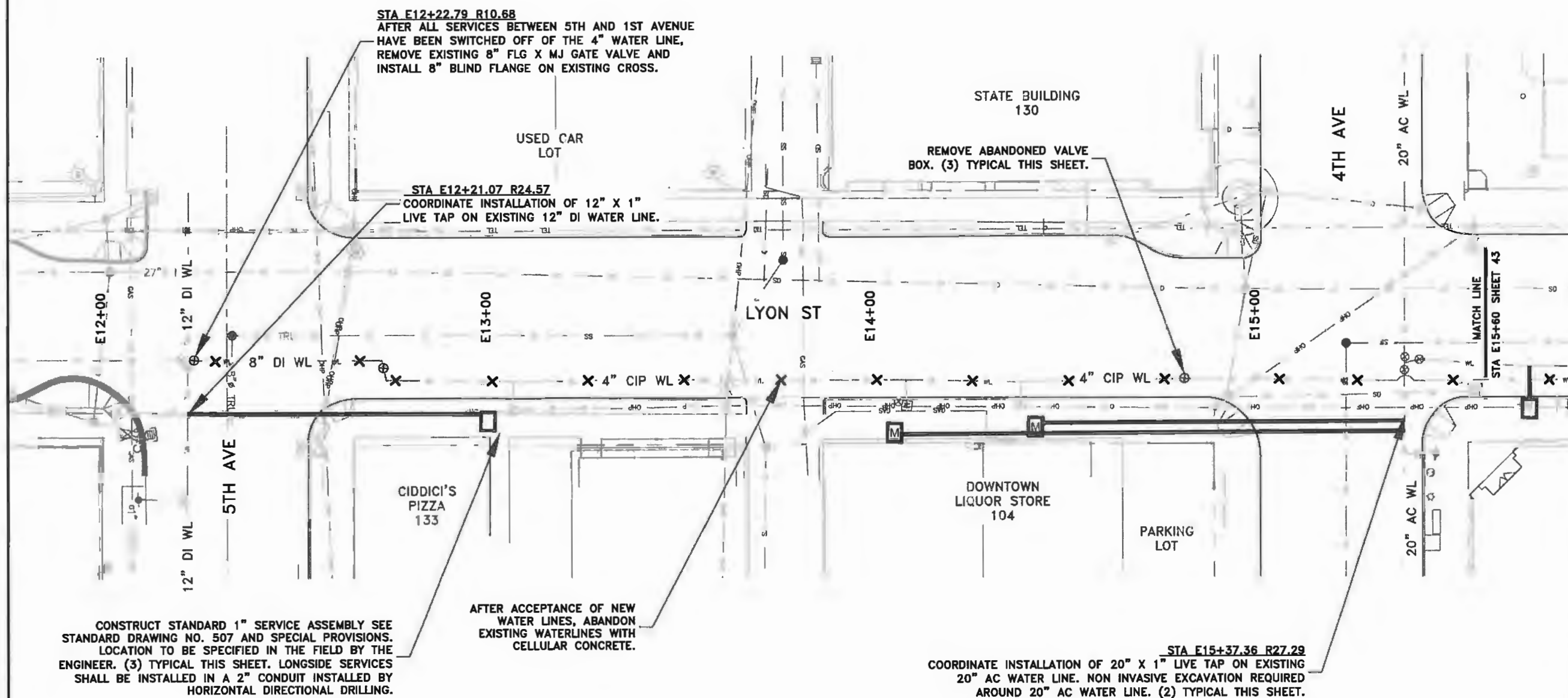
PROJECT NO: ST-15-03-B

FILE: BASE.DWG

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E



DESIGNED:	L. SCHUMACHER
DRAWN:	L. SCHUMACHER
CHECKED:	C. CERKLEWSKI
DATE:	4/11/2017
REVISIONS	
NO:	BY:



STA E12+22.79 R10.68
 AFTER ALL SERVICES BETWEEN 5TH AND 1ST AVENUE HAVE BEEN SWITCHED OFF OF THE 4" WATER LINE, REMOVE EXISTING 8" FLG X MJ GATE VALVE AND INSTALL 8" BLIND FLANGE ON EXISTING CROSS.

STA E12+21.07 R24.57
 COORDINATE INSTALLATION OF 12" X 1" LIVE TAP ON EXISTING 12" DI WATER LINE.

REMOVE ABANDONED VALVE BOX. (3) TYPICAL THIS SHEET.

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. (3) TYPICAL THIS SHEET. LONGSIDE SERVICES SHALL BE INSTALLED IN A 2" CONDUIT INSTALLED BY HORIZONTAL DIRECTIONAL DRILLING.

AFTER ACCEPTANCE OF NEW WATER LINES, ABANDON EXISTING WATERLINES WITH CELLULAR CONCRETE.

STA E15+37.36 R27.29
 COORDINATE INSTALLATION OF 20" X 1" LIVE TAP ON EXISTING 20" AC WATER LINE. NON INVASIVE EXCAVATION REQUIRED AROUND 20" AC WATER LINE. (2) TYPICAL THIS SHEET.

NOTE:
 EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 LYON STREET WATER LINE

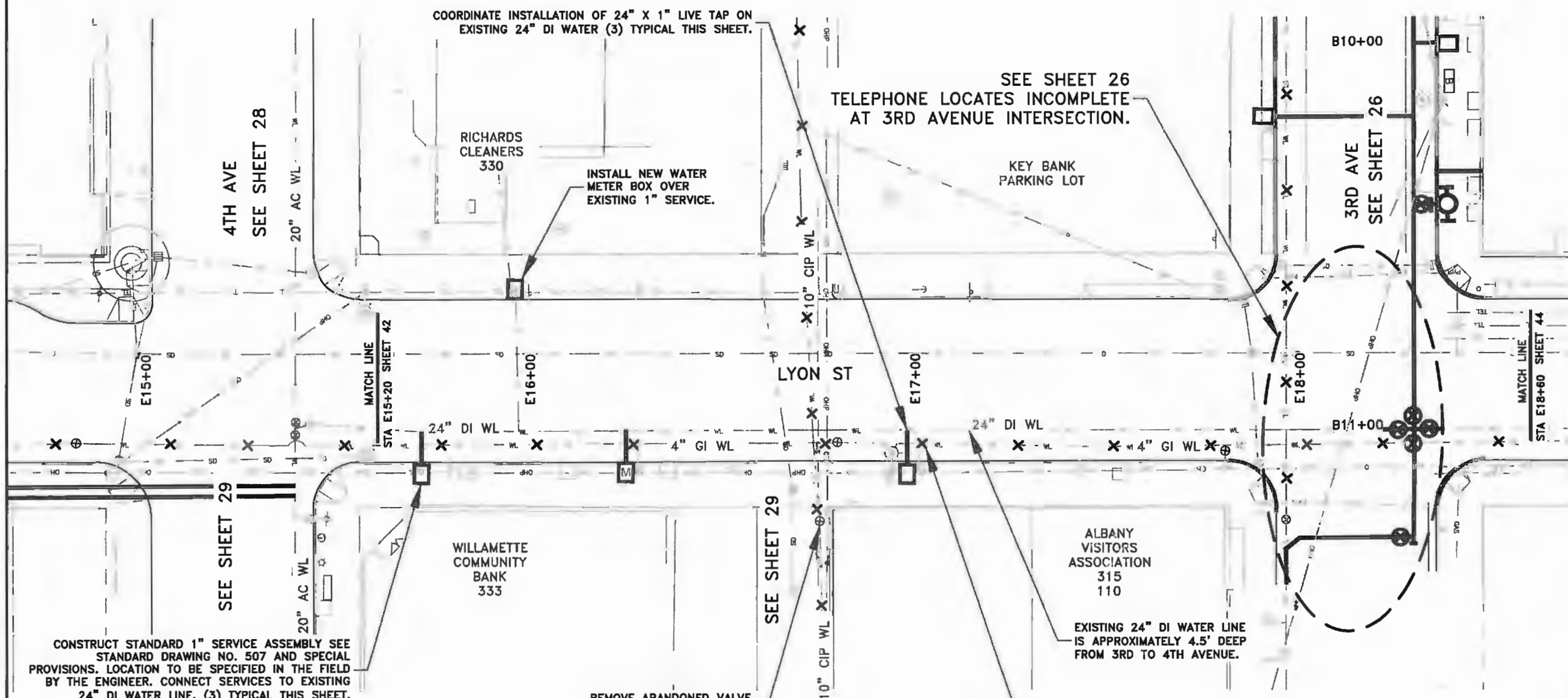


EXPIRATION DATE: 12/31/2017
 SHEET NO. 42 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 4/11/2017	DATE: ---




CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. CONNECT SERVICES TO EXISTING 24" DI WATER LINE. (3) TYPICAL THIS SHEET.

REMOVE ABANDONED VALVE BOX. (3) TYPICAL THIS SHEET.

AFTER ACCEPTANCE OF NEW WATER LINES, ABANDON EXISTING WATERLINES WITH CELLULAR CONCRETE.

- NOTE:
- EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.
 - EXISTING 24" DI WATER LINE TRANSITIONS FROM APPROXIMATELY 4.5' DEEP TO 11.5' DEEP FROM 3RD AVENUE TO 2ND AVENUE.
 - CONTRACTOR SHALL NOTIFY WATER TREATMENT PLANT ONE WEEK PRIOR TO ALL WATER SHUTDOWNS ON 24" DI WATER LINE.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET WATER LINE



EXPIRATION DATE: 12/31/2017

SHEET NO. 43 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

ITEMS ON THIS SHEET SHALL BE PAID FOR UNDER SCHEDULE E UNLESS OTHERWISE NOTED

CONSTRUCTING TO THE SOUTH, INSTALL 4" DI 45° MJ BEND, 3' LONG 4" DI PLAIN END SPOOL, 4" DI 45° FLG X MJ BEND AND 4" FLG X MJ GATE VALVE.

CONSTRUCT STANDARD 2" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER.

STA A16+62.04 R4.50 TO STA A16+83.28 L15.85
INSTALL (2) 12" DI 45° MJ BENDS TO TRANSITION TO HORIZONTAL ALIGNMENT SHOWN. ROTATE 45° BENDS AS NECESSARY TO TRANSITION TO THE DEPTH OF THE EXISTING 24" DI WATER LINE (APPROXIMATELY 11.5' DEEP). CONTRACTOR SHALL POTHOLE EXISTING 24" DI WATER LINE IN ADVANCE OF TIE IN WORK TO DETERMINE EXACT DEPTH.

STA A17+18.00 L15.56
REMOVE APPROXIMATELY 10' OF EXISTING 24" DI WATERLINE. INSTALL 24" X 12" FLG CROSS. INSTALL 24" FLG X MJ BUTTERFLY VALVE (N). INSTALL 24" FLG X MJ ADAPTER (S). INSTALL 12" FLG X MJ BUTTERFLY VALVE (E,W). CONNECT TO EXISTING 24" DI WATER LINE USING 24" DI PLAIN END SPOOLS AND 24" DI SOLID SLEEVE MJ COUPLERS (N,S). EXISTING 24" DI WATER LINE IS APPROXIMATELY 11.5' DEEP TO TOP OF PIPE.

ITEMS WITHIN BUBBLE TO BE PAID FOR UNDER SCHEDULE B.

TELEPHONE LOCATES INCOMPLETE.

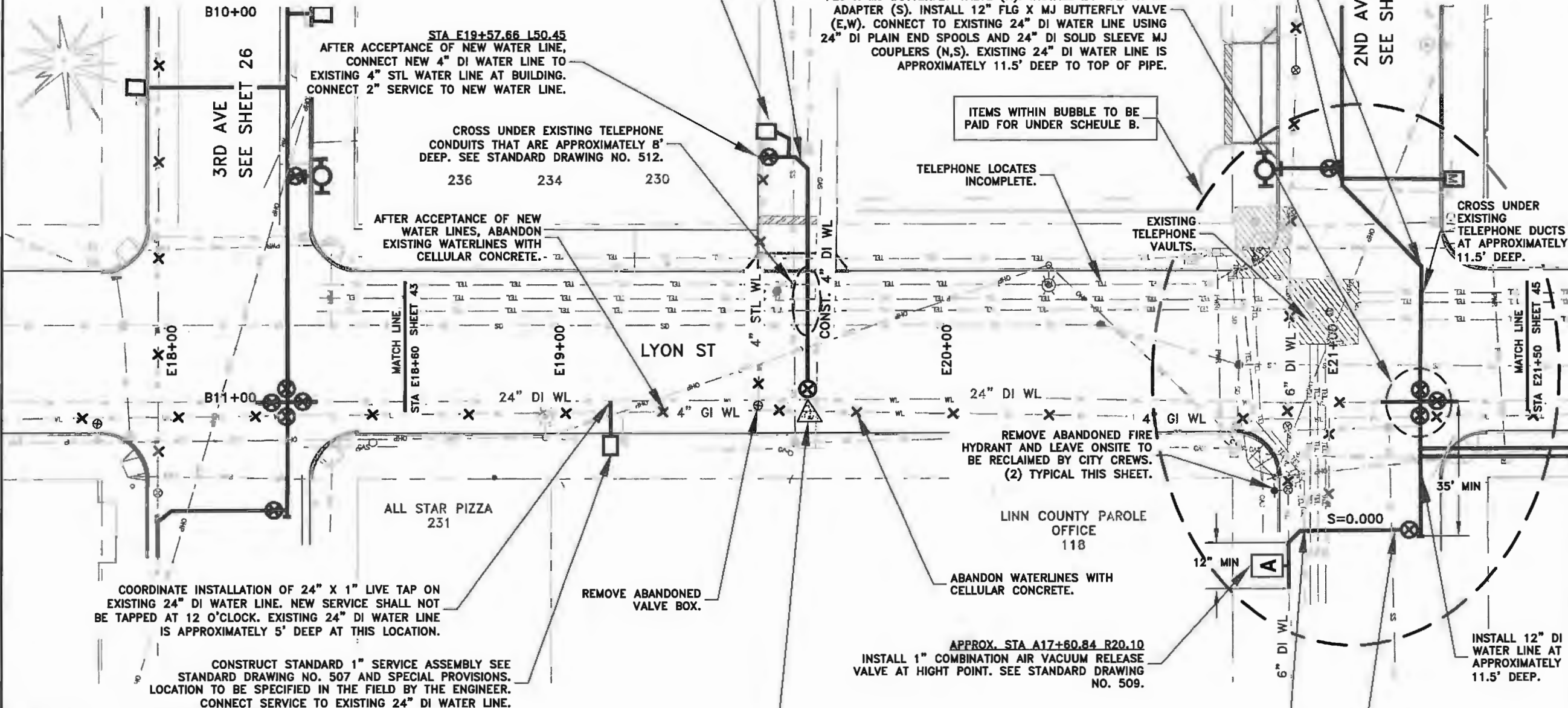
STA E19+57.66 L50.45
AFTER ACCEPTANCE OF NEW WATER LINE, CONNECT NEW 4" DI WATER LINE TO EXISTING 4" STL WATER LINE AT BUILDING. CONNECT 2" SERVICE TO NEW WATER LINE.

CROSS UNDER EXISTING TELEPHONE CONDUITS THAT ARE APPROXIMATELY 8' DEEP. SEE STANDARD DRAWING NO. 512.

AFTER ACCEPTANCE OF NEW WATER LINES, ABANDON EXISTING WATERLINES WITH CELLULAR CONCRETE.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO:
CHECKED: C. CERKLEWSKI	BY: ULS
DATE: 4/11/2017	NO:
	REV 1
	DATE: 4/29/2017



COORDINATE INSTALLATION OF 24" X 1" LIVE TAP ON EXISTING 24" DI WATER LINE. NEW SERVICE SHALL NOT BE TAPPED AT 12 O'CLOCK. EXISTING 24" DI WATER LINE IS APPROXIMATELY 5' DEEP AT THIS LOCATION.

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. CONNECT SERVICE TO EXISTING 24" DI WATER LINE.

NOTE:

- EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.
- EXISTING 24" DI WATER LINE TRANSITIONS FROM APPROXIMATELY 4.5' DEEP TO 11.5' DEEP FROM 3RD AVENUE TO 2ND AVENUE.
- CONTRACTOR SHALL NOTIFY WATER TREATMENT PLANT ONE WEEK PRIOR TO ALL WATER SHUTDOWNS ON 24" DI WATER LINE.

STA E19+62.71 R12.44
COORDINATE INSTALLATION OF 24" X 4" LIVE TAP AND 4" FLG X MJ GATE VALVE. INSTALL CONCRETE THRUST BLOCK. SEE STANDARD DRAWING NO. 501. 24" DI WATER LINE IS APPROXIMATELY 6' DEEP AT THIS LOCATION.

APPROX. STA A17+60.84 R20.10
INSTALL 1" COMBINATION AIR VACUUM RELEASE VALVE AT HIGHT POINT. SEE STANDARD DRAWING NO. 509.

CROSS UNDER EXISTING TELEPHONE DUCTS. CONNECT TO EXISTING 6" AC WATER LINE USING (4) 6" DI 45° BENDS TO TRANSITION TO THE PROPER HORIZONTAL AND VERTICAL ALIGNMENT.

AFTER ACCEPTANCE OF NEW WATER LINE, CONSTRUCT 12"X6" CONNECTION ASSEMBLY. SEE STANDARD DRAWING NO. 511, DETAIL A. LAY 6" DI PIPE FLAT AT APPROXIMATELY 11.5' DEEP.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET WATER LINE



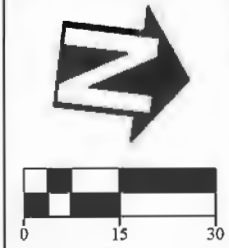
EXPIRATION DATE: 12/31/2017

SHEET NO. 44 OF 192

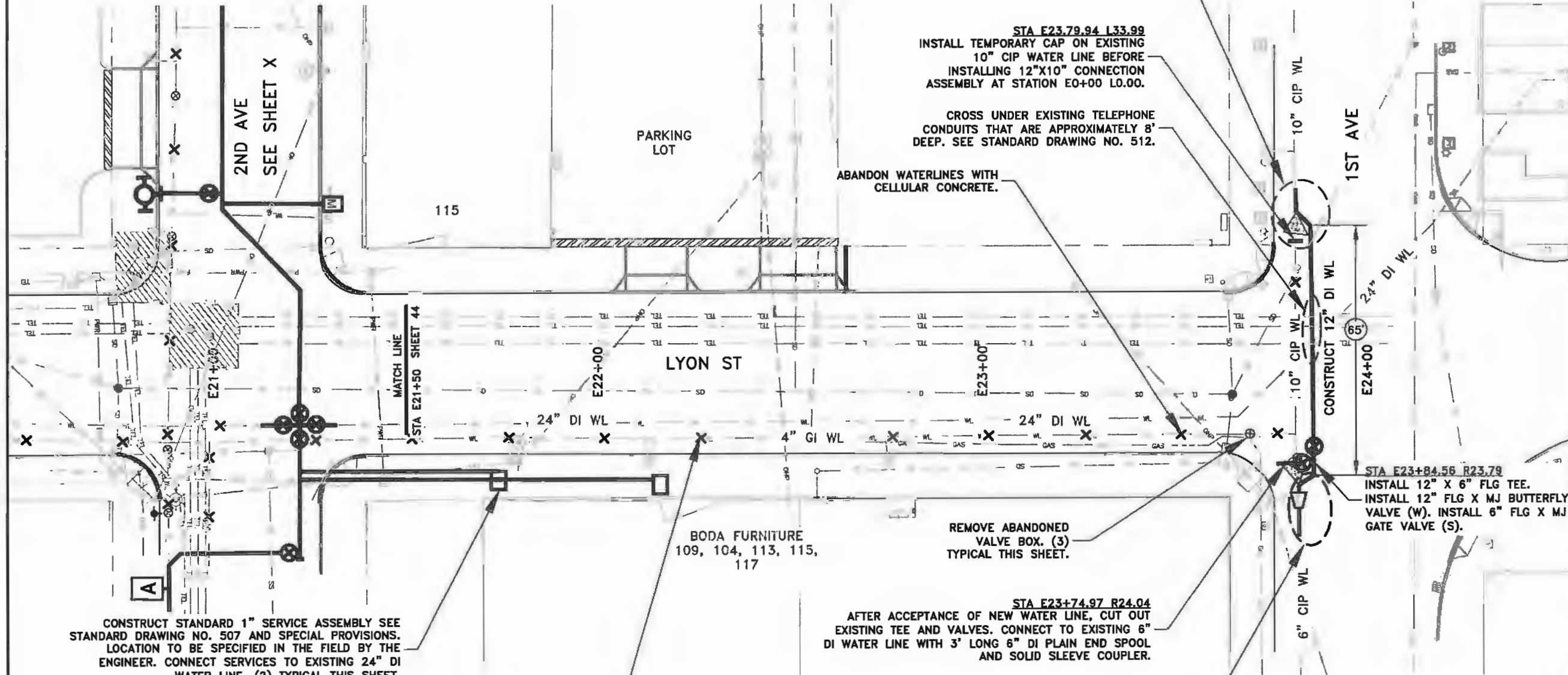
PROJECT NO: ST-15-03-B

FILE: BASE.DWG

ITEMS ON THIS SHEET
SHALL BE PAID FOR
UNDER SCHEDULE E



DESIGNED:	L. SCHUMACHER	REVISIONS	
DRAWN:	L. SCHUMACHER	NO:	---
CHECKED:	C. CERKLEWSKI	BY:	---
DATE:	4/11/2017	DATE:	---



STA E23+80.19 L41.63
INSTALL STANDARD 12"x10" CONNECTION ASSEMBLY. SEE STANDARD DRAWING NO. 511 DETAIL B. INSTALL CONCRETE THRUST BLOCK ON 45° BEND. SEE STANDARD DRAWING NO. 501.

STA E23.79.94 L33.99
INSTALL TEMPORARY CAP ON EXISTING 10" CIP WATER LINE BEFORE INSTALLING 12"x10" CONNECTION ASSEMBLY AT STATION E0+00 L0.00.

CROSS UNDER EXISTING TELEPHONE CONDUITS THAT ARE APPROXIMATELY 8' DEEP. SEE STANDARD DRAWING NO. 512.

ABANDON WATERLINES WITH CELLULAR CONCRETE.

STA E23+84.56 R23.79
INSTALL 12" X 6" FLG TEE. INSTALL 12" FLG X MJ BUTTERFLY VALVE (W). INSTALL 6" FLG X MJ GATE VALVE (S).

REMOVE ABANDONED VALVE BOX. (3) TYPICAL THIS SHEET.

STA E23+74.97 R24.04
AFTER ACCEPTANCE OF NEW WATER LINE, CUT OUT EXISTING TEE AND VALVES. CONNECT TO EXISTING 6" DI WATER LINE WITH 3' LONG 6" DI PLAIN END SPOOL AND SOLID SLEEVE COUPLER.

STA E23+84.62 R27.10
AFTER ACCEPTANCE OF NEW WATER LINE, INSTALL STANDARD 12"x6" CONNECTION ASSEMBLY. SEE STANDARD DRAWING NO. 511 DETAIL B. INSTALL CONCRETE THRUST BLOCK ON 45° BEND. SEE STANDARD DRAWING NO. 501.

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. CONNECT SERVICES TO EXISTING 24" DI WATER LINE. (2) TYPICAL THIS SHEET.

AFTER ACCEPTANCE OF NEW WATER LINES, ABANDON EXISTING WATERLINES WITH CELLULAR CONCRETE.

BODA FURNITURE
109, 104, 113, 115,
117

NOTE:
EXISTING STREET SECTION FOR LYON AND ELLSWORTH IS APPROXIMATELY 4" OF AC ON TOP OF APPROXIMATELY 24" OF NON-DIGABLE CEMENT TREATED BASE.



PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET WATER LINE



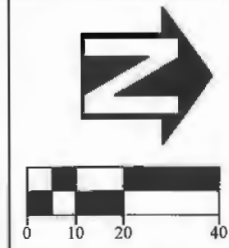
EXPIRATION DATE: 12/31/2017

SHEET NO. 45 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

ITEMS ON THIS SHEET
SHALL BE PAID FOR
UNDER SCHEDULE D



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. (9) TYPICAL THIS SHEET.

AFTER ACCEPTANCE OF NEW WATER LINE, ABANDON 6" STL WATER LINE WITH CELLULAR CONCRETE.

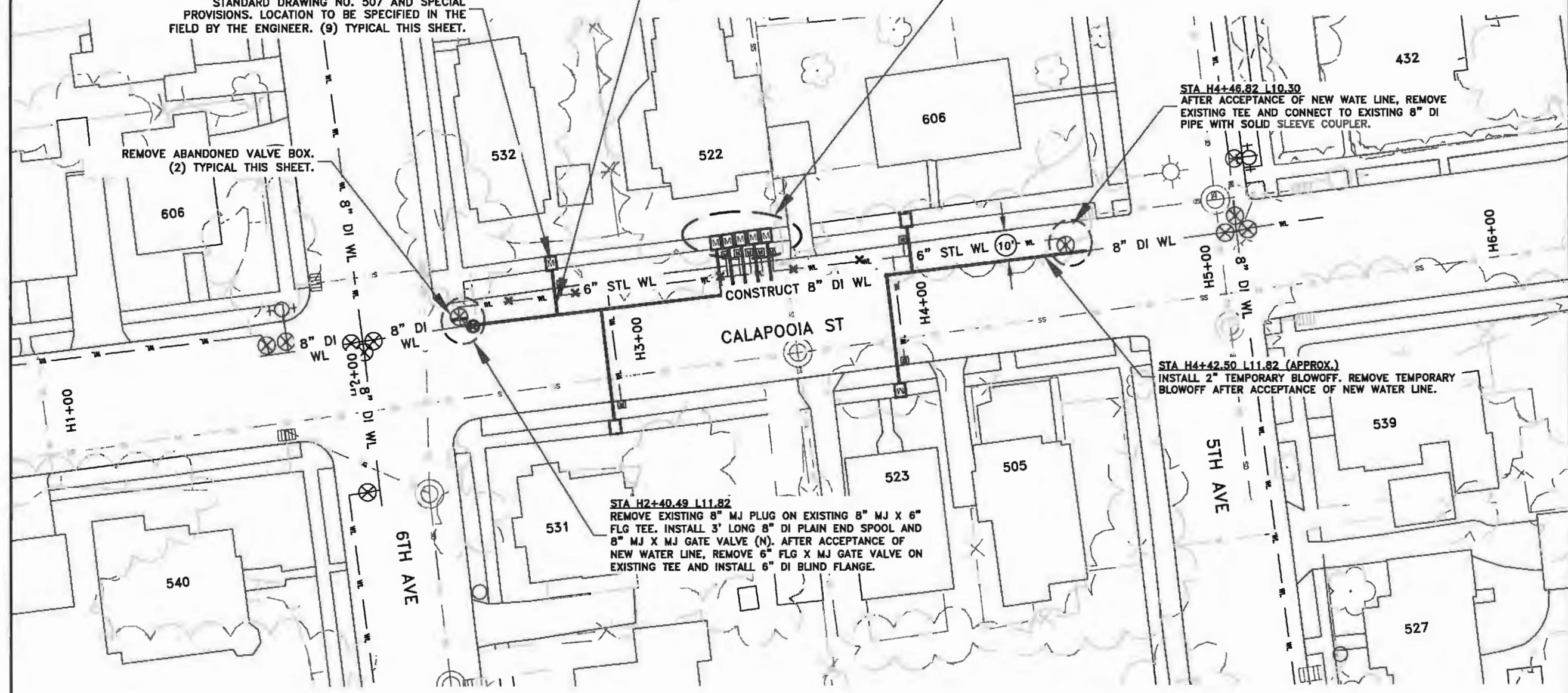
METER BOXES SHALL BE SET A MINIMUM OF 6" APART FROM EACH OTHER.

REMOVE ABANDONED VALVE BOX. (2) TYPICAL THIS SHEET.

STA H4+46.82 L10.30
AFTER ACCEPTANCE OF NEW WATER LINE, REMOVE EXISTING TEE AND CONNECT TO EXISTING 8" DI PIPE WITH SOLID SLEEVE COUPLER.

STA H4+42.50 L11.82 (APPROX.)
INSTALL 2" TEMPORARY BLOWOFF. REMOVE TEMPORARY BLOWOFF AFTER ACCEPTANCE OF NEW WATER LINE.

STA H2+40.49 L11.82
REMOVE EXISTING 8" MJ PLUG ON EXISTING 8" MJ X 6" FLG TEE. INSTALL 3' LONG 8" DI PLAIN END SPOOL AND 8" MJ X MJ GATE VALVE (N). AFTER ACCEPTANCE OF NEW WATER LINE, REMOVE 6" FLG X MJ GATE VALVE ON EXISTING TEE AND INSTALL 6" DI BLIND FLANGE.



PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
CALAPOOIA ST WATER LINE

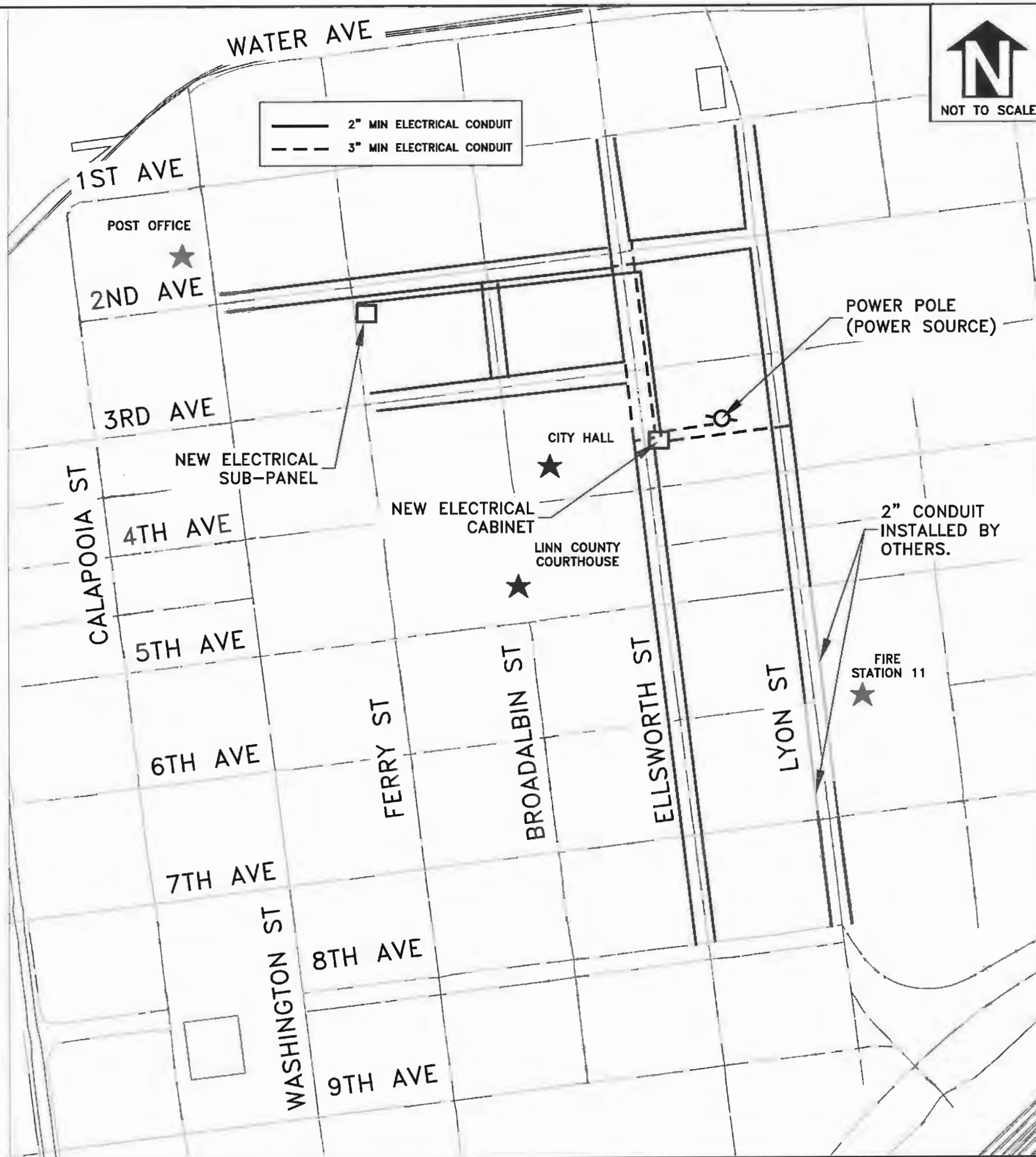
NOTE:
INSTALL 4" MIN AC TRENCH PATCHING OVER NEW WATER LINE TRENCHES OR MATCH EXISTING AC THICKNESS, WHICHEVER IS GREATER.



EXPIRATION DATE: 12/31/2017
SHEET NO. 46 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

GENERAL NOTES FOR STREET LIGHTING AND ELECTRICAL SHEETS:

1. CONTRACTOR SHALL PROVIDE THE DESIGN FOR WIRING AS NEEDED TO MEET THE NATIONAL ELECTRIC CODE.
2. CONTRACTOR SHALL CALCULATE APPROPRIATE CONDUCTOR SIZE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
3. CONTRACTOR SHALL SUBMIT STREET LIGHT FOOTING DESIGN THAT MEETS LOCAL BUILDING CODE TO THE ENGINEER FOR APPROVAL. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING WHERE SPREAD FOOTINGS MAY BE REQUIRED WHEN LIGHT POLES ARE LOCATED OVER EXISTING UTILITIES.
4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED ELECTRICAL AND BUILDING PERMITS.
5. SEE ODOT STANDARD DRAWING TM472 FOR JUNCTION BOX DETAILS.
6. CONTRACTOR SHALL VERIFY THE MINIMUM SIZE JUNCTION BOX TO BE USED AT EACH LOCATION.
7. FIBERGLASS OR GALVANIZED RIGID STEEL ELBOWS SHALL BE USED ON ALL CONCRETE FOOTINGS.
8. ALUMINUM CONDUCTORS SHALL NOT BE USED.
9. CONDUCTORS FOR WIRING USED SHALL BE XHHW.



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 CONDUIT LAYOUT**



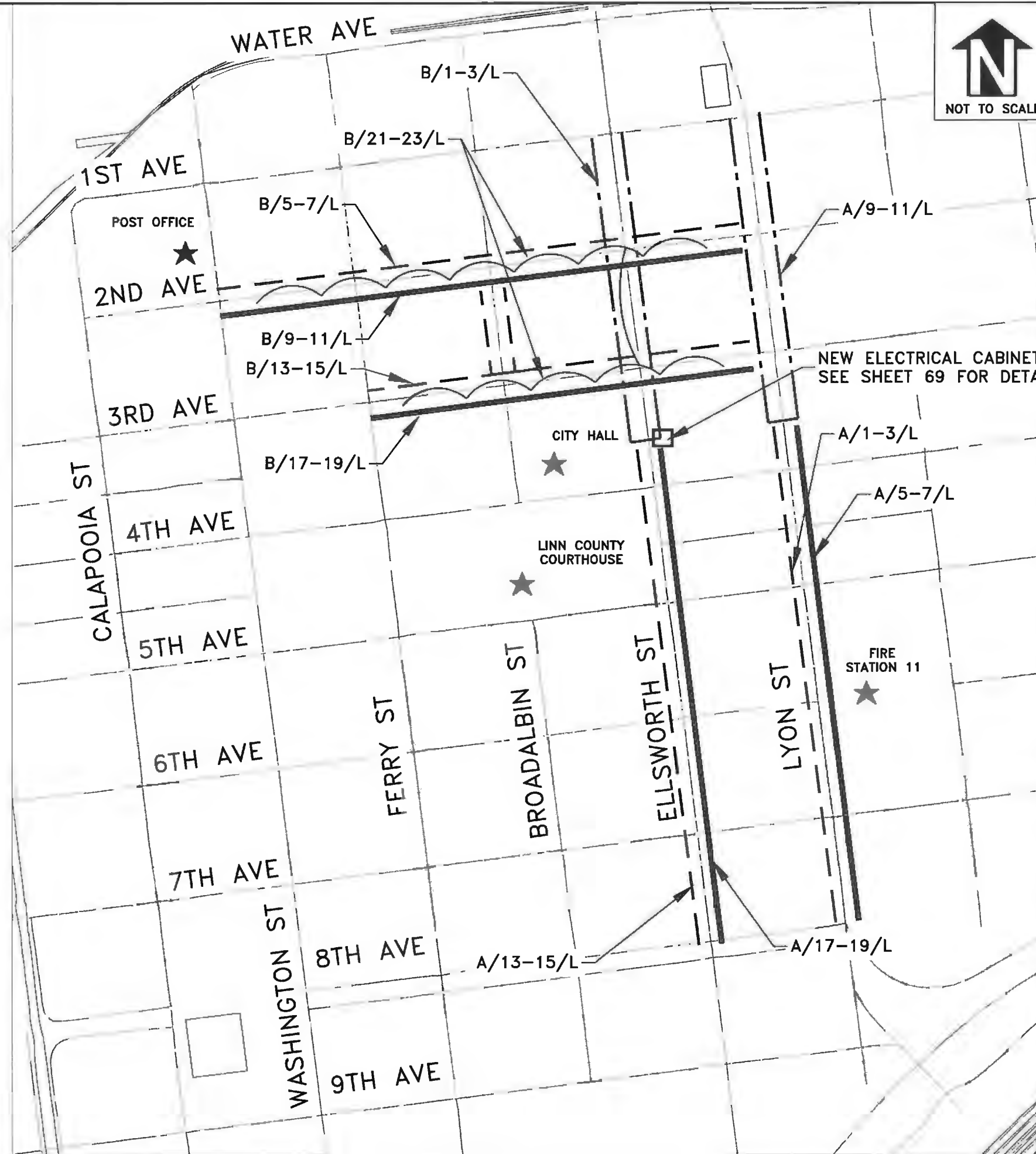
EXPIRATION DATE: 12/31/2017
 SHEET NO. 47 OF 192
 PROJECT NO: ST-15-03-B
 FILE: FILENAME.DWG

NOTATION KEY

PANEL(A OR B)/CIRCUITS/LIGHTING

NOTES:

- INDIVIDUAL LINES REPRESENT THE AREA EACH CIRCUIT WILL SERVE. THEY DO NOT REPRESENT THE CONDUIT IN WHICH THE WIRES WILL BE INSTALLED.
- SEE SHEET 70 FOR CIRCUIT SCHEDULE.



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
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 ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 LIGHTING CIRCUIT LAYOUT**



EXPIRATION DATE: 12/31/2017

SHEET NO. 48 OF 192

PROJECT NO: ST-15-03-B

FILE: FILENAME.DWG

NOTATION KEY

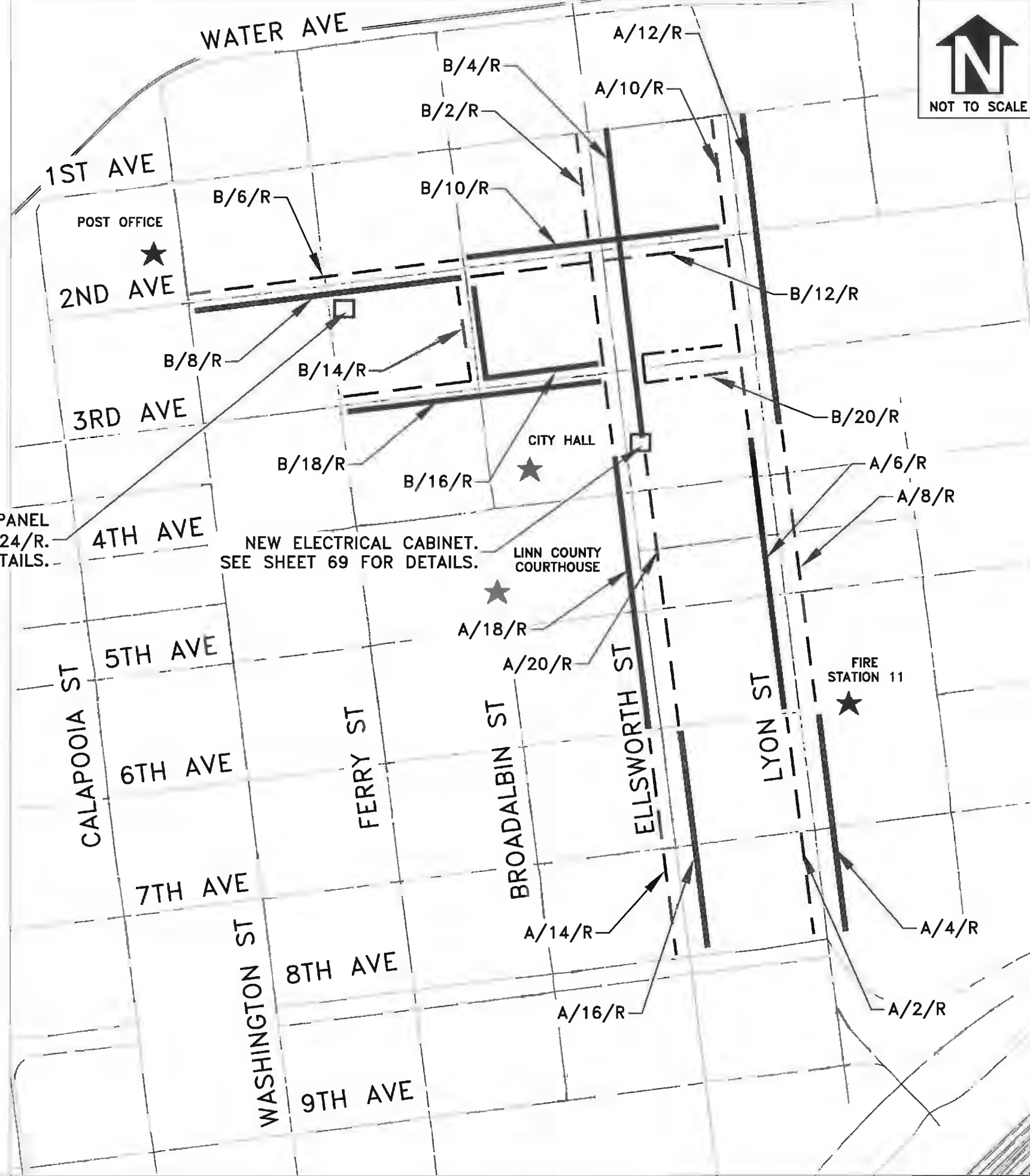
PANEL(A OR B)/CIRCUITS/RECEPTACLES

NOTES:

- INDIVIDUAL LINES REPRESENT THE AREA EACH CIRCUIT WILL SERVE. THEY DO NOT REPRESENT THE CONDUIT IN WHICH THE WIRES WILL BE INSTALLED.
- SEE SHEET 70 FOR CIRCUIT SCHEDULE.

NEW ELECTRICAL SUB-PANEL
SERVING B/22-24/R.
SEE SHEET 71 AND 72 FOR DETAILS.

NEW ELECTRICAL CABINET.
SEE SHEET 69 FOR DETAILS.

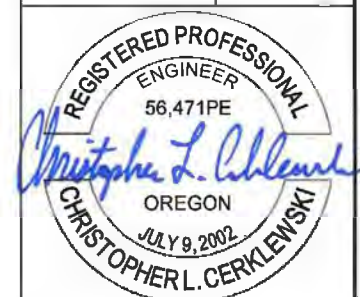


DESIGNED: L. SCHUMACHER	REVISIONS	BY:
DRAWN: L. SCHUMACHER	NO:	---
CHECKED: C. CERKLEWSKI	DATE:	---
DATE: 4/11/2017		

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
RECEPTACLE CIRCUIT LAYOUT**



EXPIRATION DATE: 12/31/2017
SHEET NO. 49 OF 192
PROJECT NO: ST-15-03-B
FILE: FILENAME.DWG

- ③ TYPE 3 LIGHTING DISTRIBUTION
- ⑤ TYPE 5 LIGHTING DISTRIBUTION
- TAMPER-RESISTANT JB1 JUNCTION BOX
- 2" MIN ELECTRICAL CONDUIT
- DOUBLE ACORN LIGHT
- BANNER POLE
- CATENARY LIGHT

INSTALL ELECTRICAL CONDUIT WITH 2' MINIMUM COVER. ALL WIRING AND CONDUIT SHALL MEET NATIONAL ELECTRICAL CODE.

INSTALL DOUBLE ACORN LIGHT POLE AND FIXTURE. (12) TYPICAL THIS SHEET. LOCATIONS FOR EACH POLE SHALL BE MARKED IN THE FIELD BY THE ENGINEER. SEE SPECIFICATIONS ON SHEET 65.

INSTALL TAMPER-RESISTANT JB1 JUNCTION BOX WHERE SHOWN. INSTALL 110 OUTDOOR RATED GFI OUTLET IN EACH JUNCTION BOX NEXT TO A TREE WELL. SEE DETAILS E AND F ON SHEET 68.

INSTALL STERNBERG BANNER POLE. (8) TYPICAL THIS SHEET. BANNER POLES WITH JUNCTION BOXES SHALL BE INSTALLED ON THE SOUTH SIDE OF THE STREET. LOCATIONS FOR EACH POLE SHALL BE MARKED IN THE FIELD BY THE ENGINEER. SEE SPECIFICATIONS ON SHEET 66.

DO NOT DISTURB SIDEWALK OVER EXISTING BASEMENT.

INSTALL CATENARY LIGHT AND SUSPENSION WIRING. (4) TYPICAL THIS SHEET. SEE SPECIFICATIONS ON SHEET 67.

INSTALL 2" CONDUIT WITH (4) #1 WIRES TO SUB-PANEL.

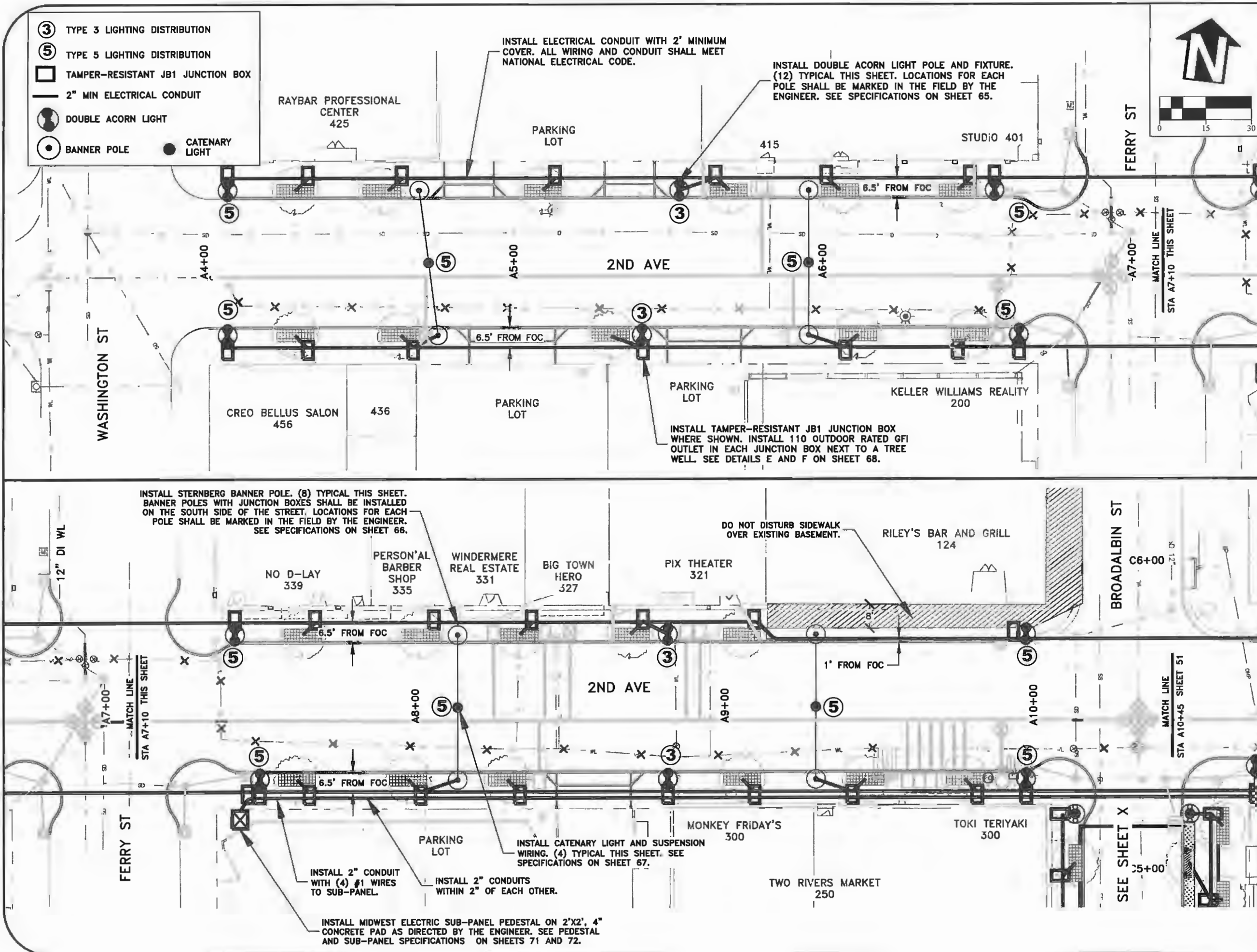
INSTALL 2" CONDUITS WITHIN 2" OF EACH OTHER.

INSTALL MIDWEST ELECTRIC SUB-PANEL PEDESTAL ON 2'X2', 4" CONCRETE PAD AS DIRECTED BY THE ENGINEER. SEE PEDESTAL AND SUB-PANEL SPECIFICATIONS ON SHEETS 71 AND 72.



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

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 ENGINEERING SERVICES

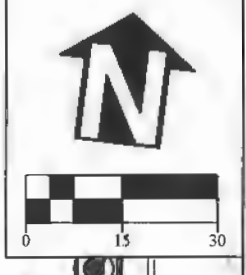
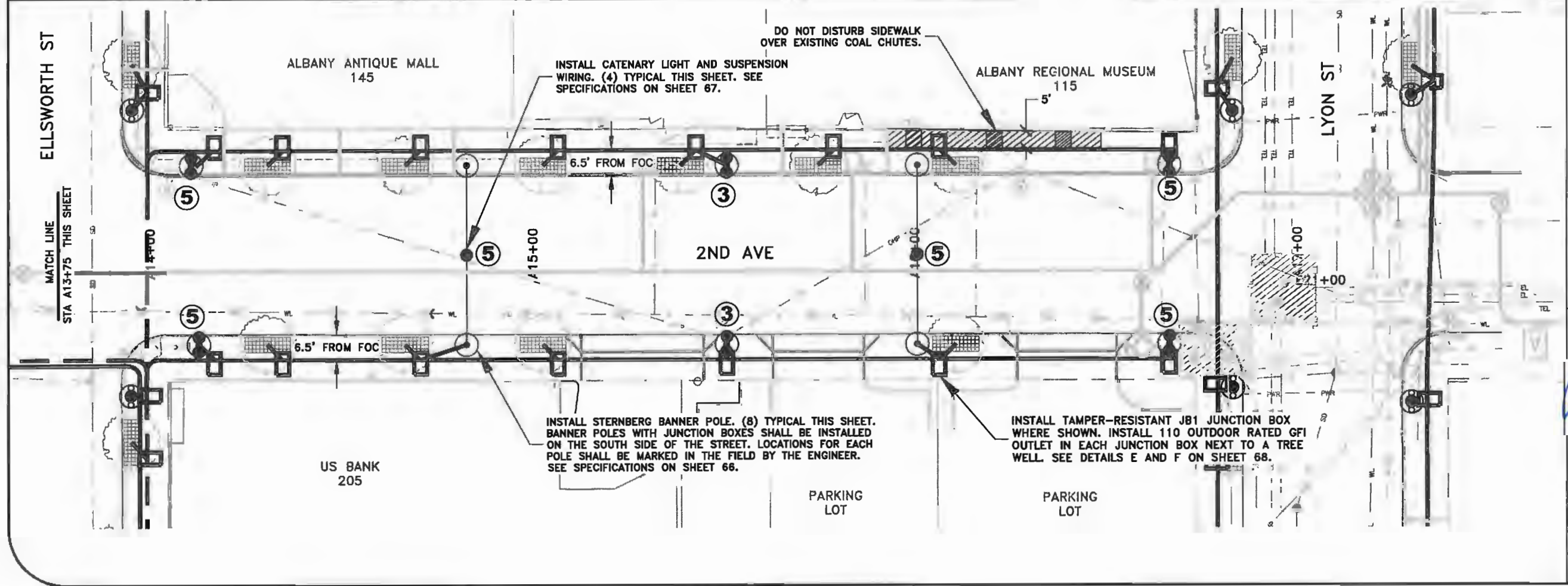
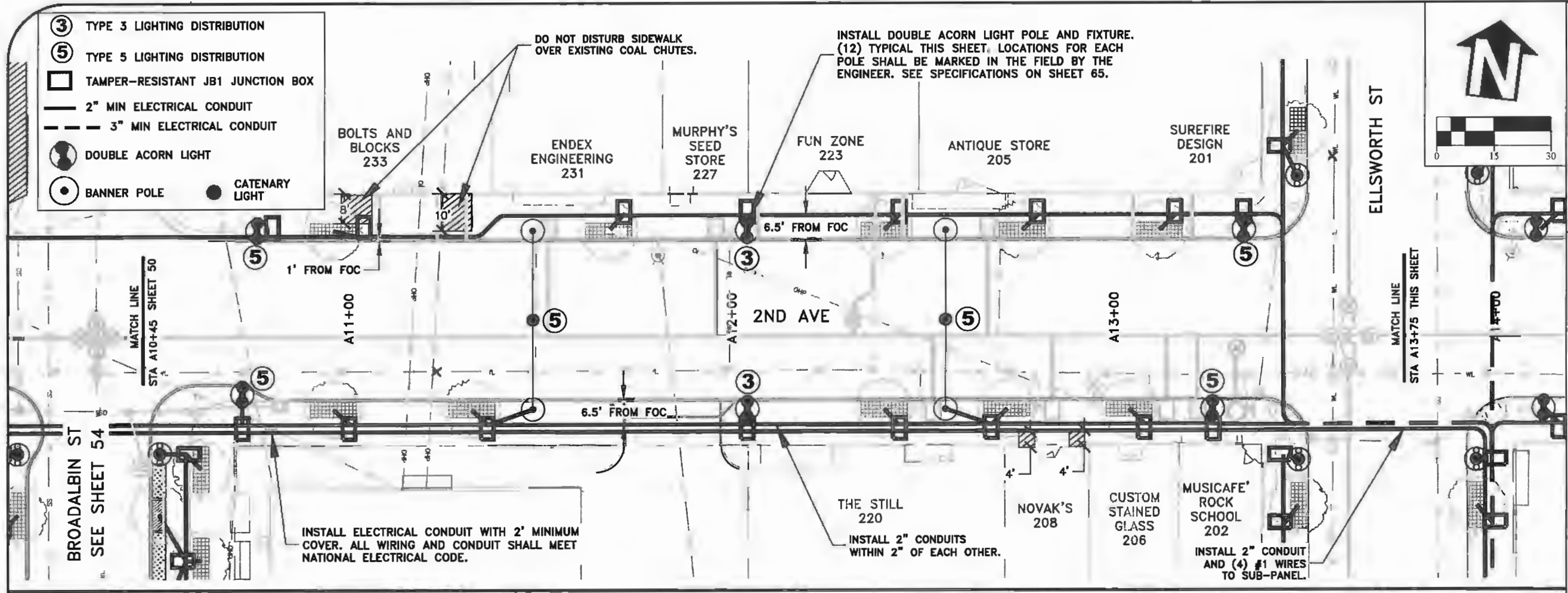


ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 2ND AVENUE STREET LIGHTING



EXPIRATION DATE: 12/31/2017
 SHEET NO. 50 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

- ③ TYPE 3 LIGHTING DISTRIBUTION
- ⑤ TYPE 5 LIGHTING DISTRIBUTION
- TAMPER-RESISTANT JB1 JUNCTION BOX
- 2" MIN ELECTRICAL CONDUIT
- - - 3" MIN ELECTRICAL CONDUIT
- DOUBLE ACORN LIGHT
- BANNER POLE ● CATENARY LIGHT



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

Albany

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
2ND AVENUE STREET LIGHTING

REGISTERED PROFESSIONAL
 ENGINEER
 56.471PE
Christopher L. Cerkowski
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 51 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

- ③ TYPE 3 LIGHTING DISTRIBUTION
- ⑤ TYPE 5 LIGHTING DISTRIBUTION
- TAMPER-RESISTANT JB1 JUNCTION BOX
- 2" MIN ELECTRICAL CONDUIT
- - - 3" MIN ELECTRICAL CONDUIT
- DOUBLE ACORN LIGHT
- BANNER POLE
- CATENARY LIGHT

INSTALL ELECTRICAL CONDUIT WITH 2' MINIMUM COVER. ALL WIRING AND CONDUIT SHALL MEET NATIONAL ELECTRICAL CODE.

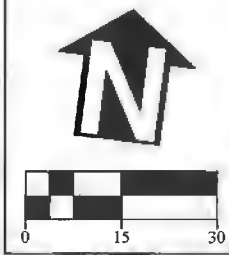
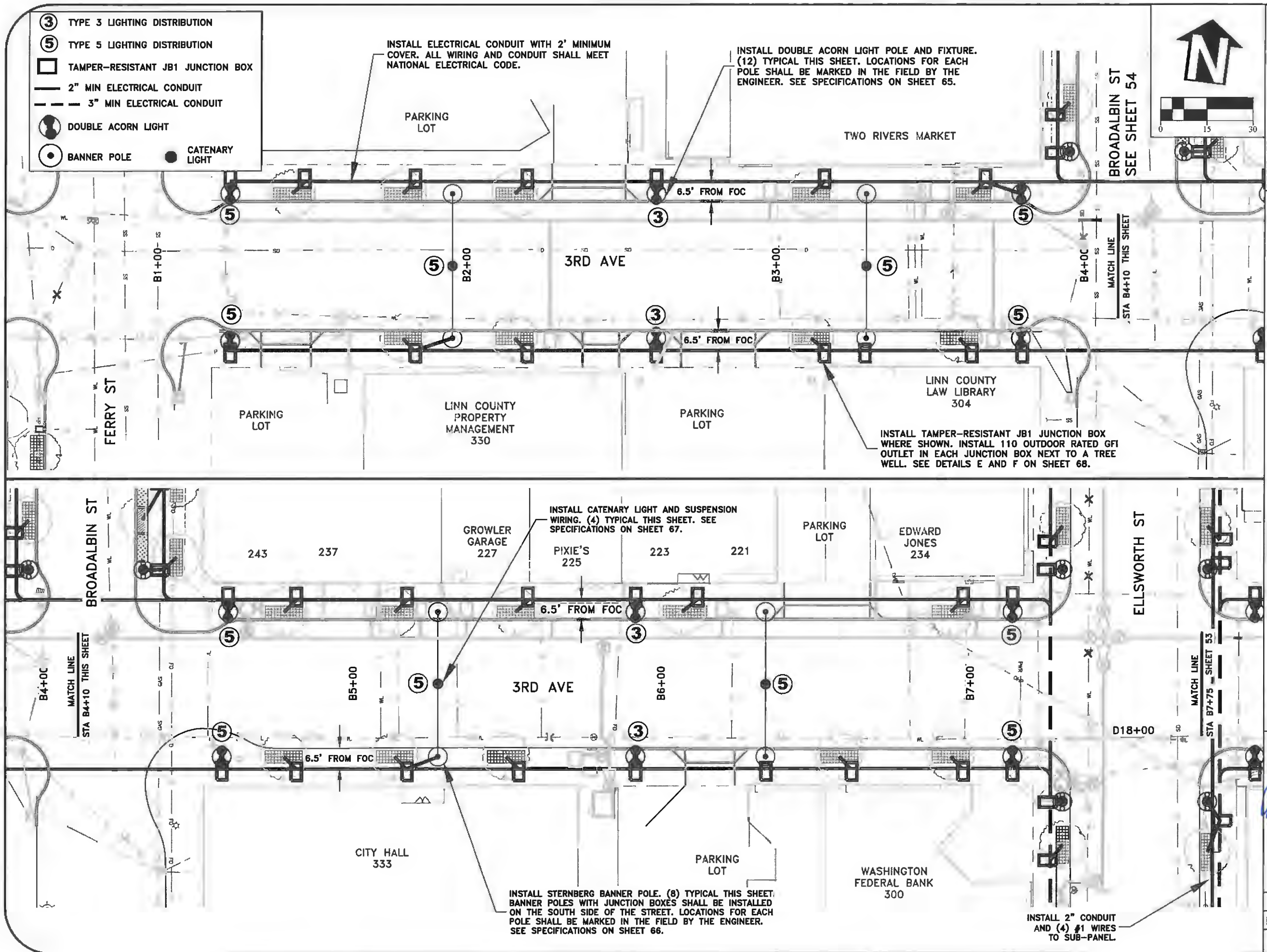
INSTALL DOUBLE ACORN LIGHT POLE AND FIXTURE. (12) TYPICAL THIS SHEET. LOCATIONS FOR EACH POLE SHALL BE MARKED IN THE FIELD BY THE ENGINEER. SEE SPECIFICATIONS ON SHEET 65.

INSTALL TAMPER-RESISTANT JB1 JUNCTION BOX WHERE SHOWN. INSTALL 110 OUTDOOR RATED GFI OUTLET IN EACH JUNCTION BOX NEXT TO A TREE WELL. SEE DETAILS E AND F ON SHEET 68.

INSTALL CATENARY LIGHT AND SUSPENSION WIRING. (4) TYPICAL THIS SHEET. SEE SPECIFICATIONS ON SHEET 67.

INSTALL STERNBERG BANNER POLE. (8) TYPICAL THIS SHEET. BANNER POLES WITH JUNCTION BOXES SHALL BE INSTALLED ON THE SOUTH SIDE OF THE STREET. LOCATIONS FOR EACH POLE SHALL BE MARKED IN THE FIELD BY THE ENGINEER. SEE SPECIFICATIONS ON SHEET 66.

INSTALL 2" CONDUIT AND (4) #1 WIRES TO SUB-PANEL



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

Albany

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
3RD AVENUE STREET LIGHTING

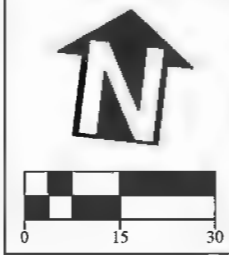
REGISTERED PROFESSIONAL
 ENGINEER
 56,471PE
Christopher L. Chlewicki
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

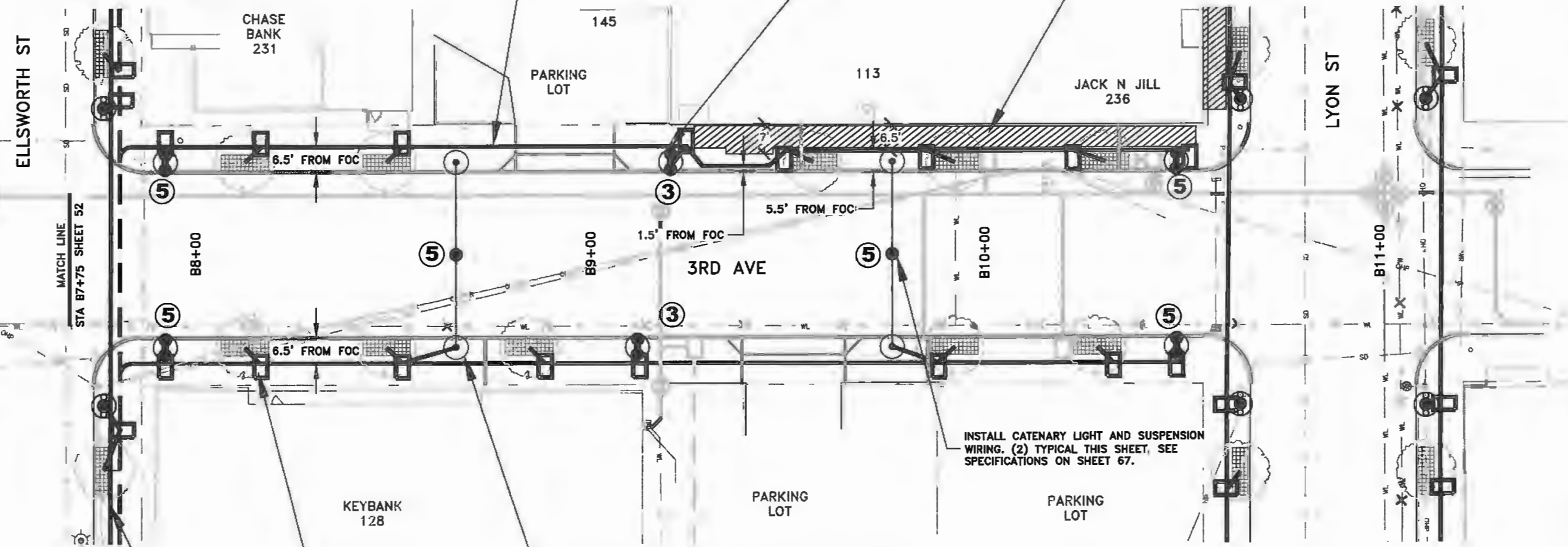
SHEET NO. 52 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG



- ③ TYPE 3 LIGHTING DISTRIBUTION
- ⑤ TYPE 5 LIGHTING DISTRIBUTION
- TAMPER-RESISTANT JB1 JUNCTION BOX
- 2" MIN ELECTRICAL CONDUIT
- - - 3" MIN ELECTRICAL CONDUIT
- DOUBLE ACORN LIGHT
- BANNER POLE ● CATENARY LIGHT



INSTALL ELECTRICAL CONDUIT WITH 2' MINIMUM COVER. ALL WIRING AND CONDUIT SHALL MEET NATIONAL ELECTRICAL CODE.

INSTALL DOUBLE ACORN LIGHT POLE AND FIXTURE. (6) TYPICAL THIS SHEET. LOCATIONS FOR EACH POLE SHALL BE MARKED IN THE FIELD BY THE ENGINEER. SEE SPECIFICATIONS ON SHEET 65.

DO NOT DISTURB SIDEWALK OVER EXISTING COAL CHUTES.

INSTALL CATENARY LIGHT AND SUSPENSION WIRING. (2) TYPICAL THIS SHEET, SEE SPECIFICATIONS ON SHEET 67.

INSTALL STERNBERG BANNER POLE. (4) TYPICAL THIS SHEET. BANNER POLES WITH JUNCTION BOXES SHALL BE INSTALLED ON THE SOUTH SIDE OF THE STREET. LOCATIONS FOR EACH POLE SHALL BE MARKED IN THE FIELD BY THE ENGINEER. SEE SPECIFICATIONS ON SHEET 66.

INSTALL 2" CONDUIT AND (4) #1 WIRES TO SUB-PANEL

INSTALL TAMPER-RESISTANT JB1 JUNCTION BOX WHERE SHOWN. INSTALL 110 OUTDOOR RATED GFI OUTLET IN EACH JUNCTION BOX NEXT TO A TREE WELL. SEE DETAILS E AND F ON SHEET 68.

DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
3RD AVENUE STREET LIGHTING



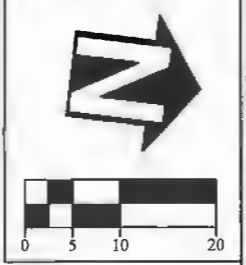
EXPIRATION DATE: 12/31/2017

SHEET NO. 53 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

- ③ TYPE 3 LIGHTING DISTRIBUTION
- ⑤ TYPE 5 LIGHTING DISTRIBUTION
- TAMPER-RESISTANT JB1 JUNCTION BOX
- 2" MIN ELECTRICAL CONDUIT
- SINGLE ACORN LIGHT

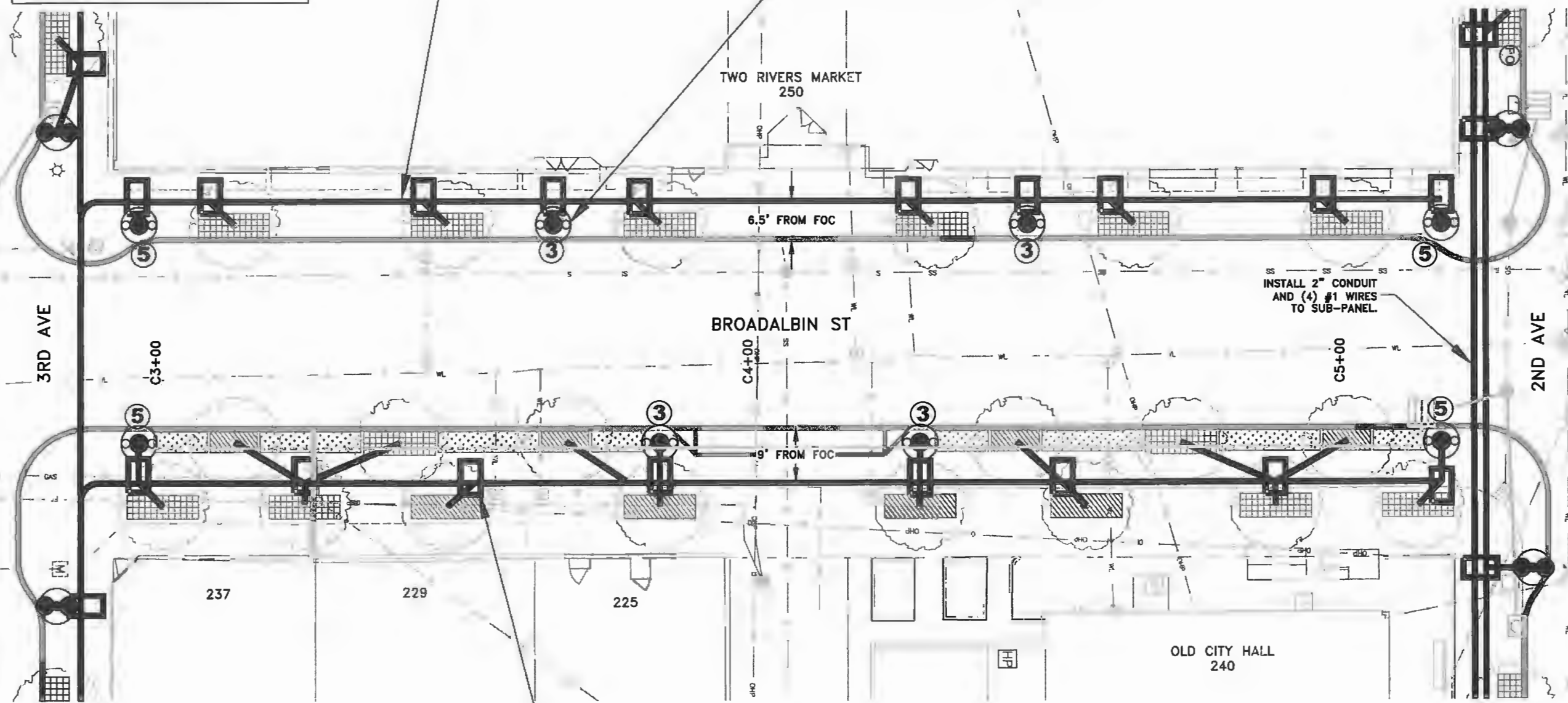


INSTALL ELECTRICAL CONDUIT WITH 2' MINIMUM COVER. ALL WIRING AND CONDUIT SHALL MEET NATIONAL ELECTRICAL CODE.

INSTALL SINGLE ACORN LIGHT POLE AND FIXTURE. (8) TYPICAL THIS SHEET. LOCATIONS FOR EACH POLE SHALL BE MARKED IN THE FIELD BY THE ENGINEER. SEE SPECIFICATIONS ON SHEET 64.

INSTALL 2" CONDUIT AND (4) #1 WIRES TO SUB-PANEL.

INSTALL TAMPER-RESISTANT JB1 JUNCTION BOX WHERE SHOWN. INSTALL 110 OUTDOOR RATED GFI OUTLET IN EACH JUNCTION BOX NEXT TO A TREE WELL. SEE DETAILS E AND F ON SHEET 68.



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 BROADALBIN STREET LIGHTING

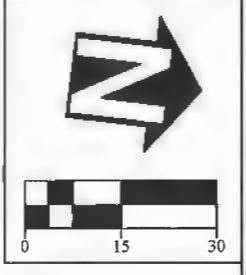


EXPIRATION DATE: 12/31/2017

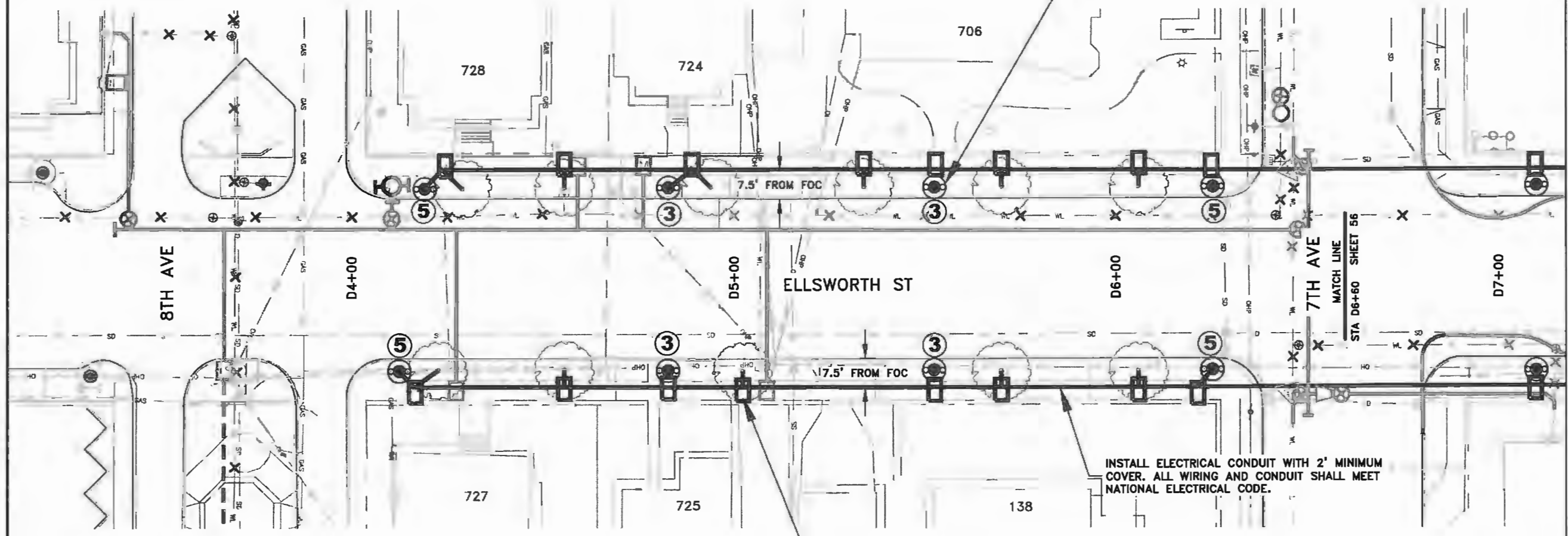
SHEET NO. 54 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG



- ③ TYPE 3 LIGHTING DISTRIBUTION
- ⑤ TYPE 5 LIGHTING DISTRIBUTION
- TAMPER-RESISTANT JB1 JUNCTION BOX
- 2" MIN ELECTRICAL CONDUIT
- SINGLE ACORN LIGHT



INSTALL SINGLE ACORN LIGHT POLE AND FIXTURE. (8) TYPICAL THIS SHEET. LOCATIONS FOR EACH POLE SHALL BE MARKED IN THE FIELD BY THE ENGINEER. SEE SPECIFICATIONS ON SHEET 64.

INSTALL ELECTRICAL CONDUIT WITH 2' MINIMUM COVER. ALL WIRING AND CONDUIT SHALL MEET NATIONAL ELECTRICAL CODE.

INSTALL TAMPER-RESISTANT JB1 JUNCTION BOX WHERE SHOWN. INSTALL 110 OUTDOOR RATED GFI OUTLET IN EACH JUNCTION BOX NEXT TO A TREE WELL. SEE DETAILS E AND F ON SHEET 68.

DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO:	BY:

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 ELLSWORTH STREET LIGHTING



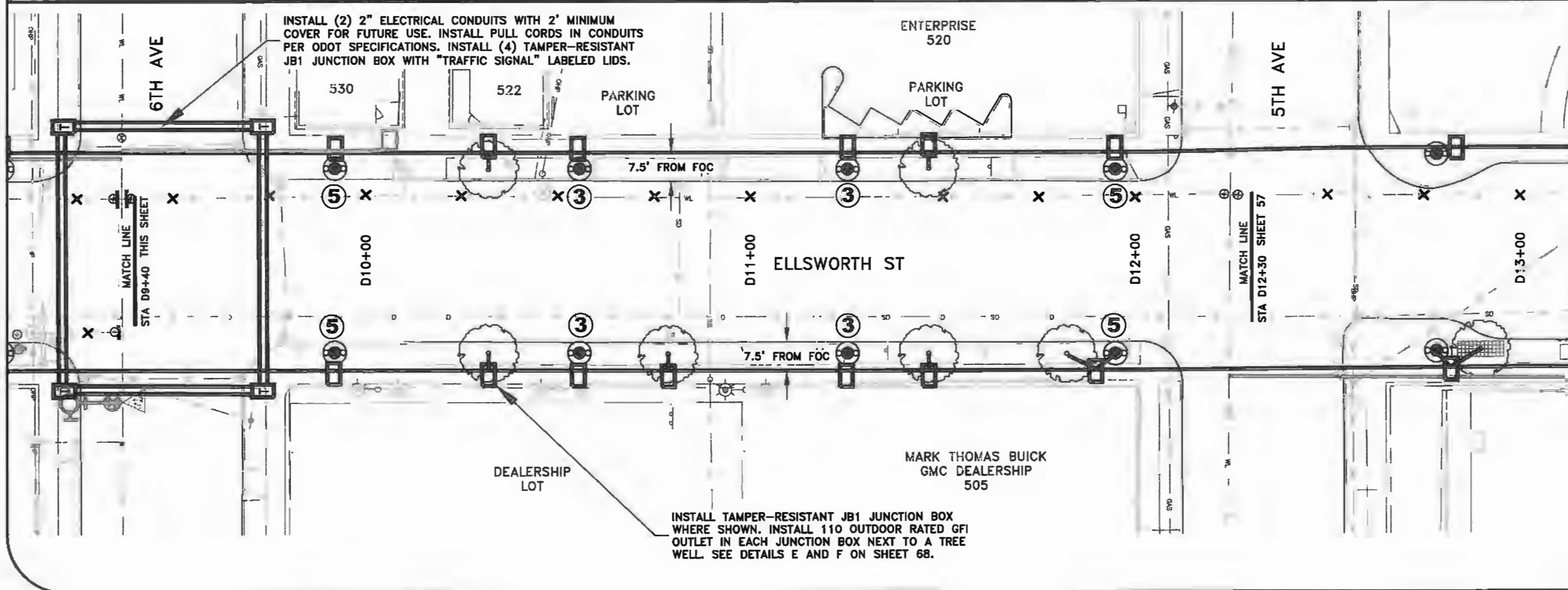
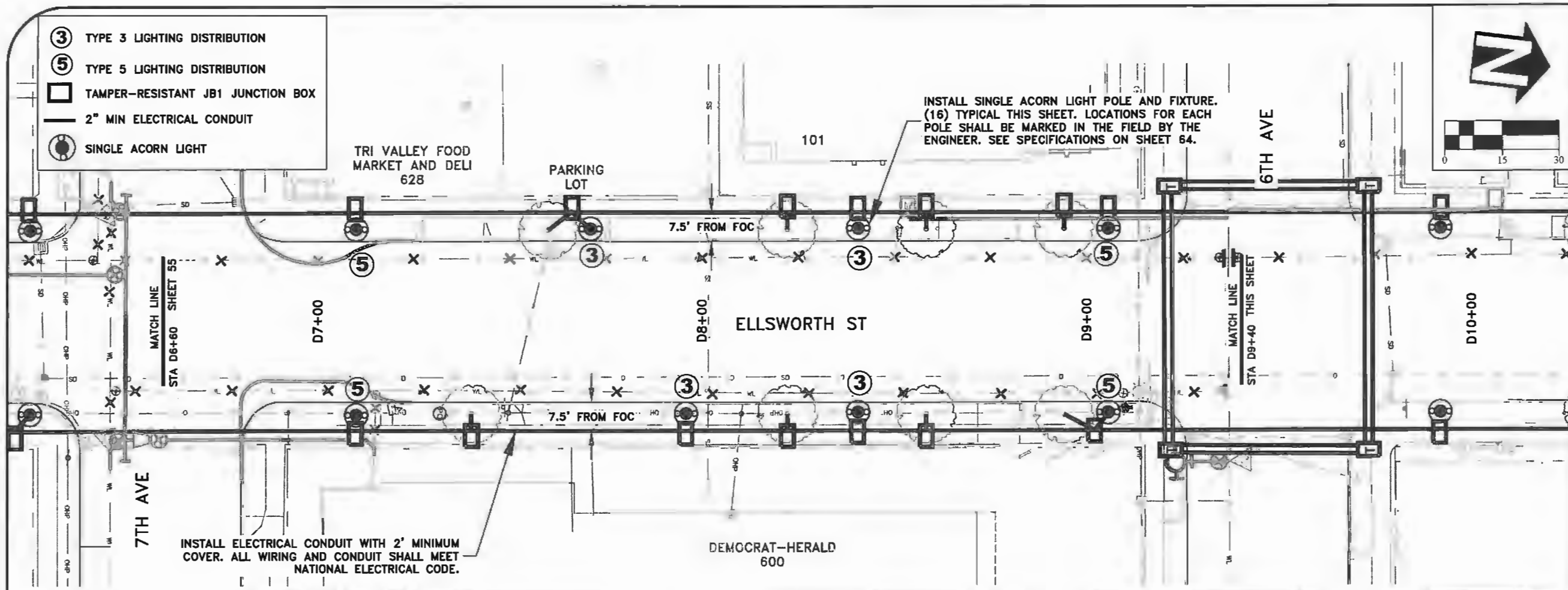
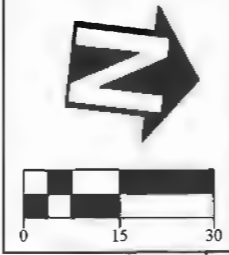
EXPIRATION DATE: 12/31/2017

SHEET NO. 55 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

- ③ TYPE 3 LIGHTING DISTRIBUTION
- ⑤ TYPE 5 LIGHTING DISTRIBUTION
- TAMPER-RESISTANT JB1 JUNCTION BOX
- 2" MIN ELECTRICAL CONDUIT
- SINGLE ACORN LIGHT



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 ELLSWORTH STREET LIGHTING

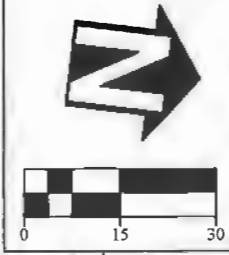


EXPIRATION DATE: 12/31/2017
 SHEET NO. 56 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

- ③ TYPE 3 LIGHTING DISTRIBUTION
- ⑤ TYPE 5 LIGHTING DISTRIBUTION
- TAMPER-RESISTANT JB1 JUNCTION BOX
- 2" MIN ELECTRICAL CONDUIT
- - - 3" MIN ELECTRICAL CONDUIT
- SINGLE ACORN LIGHT

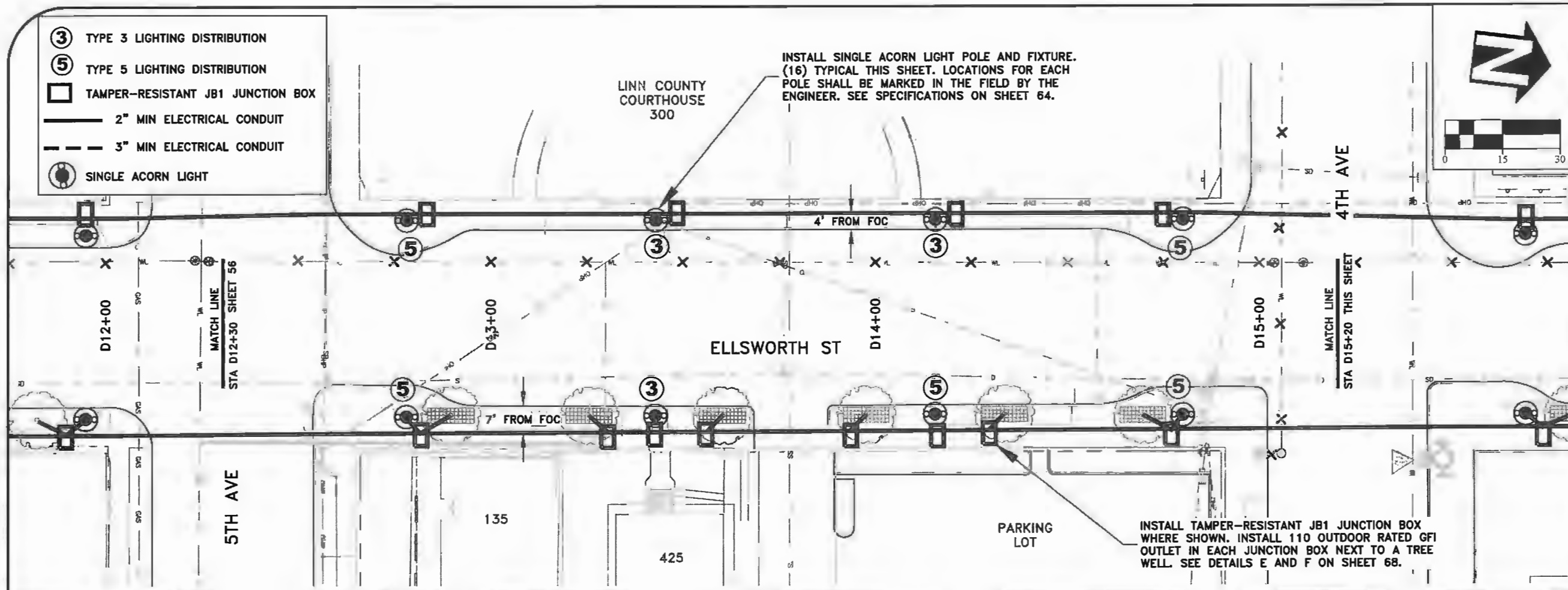
INSTALL SINGLE ACORN LIGHT POLE AND FIXTURE. (16) TYPICAL THIS SHEET. LOCATIONS FOR EACH POLE SHALL BE MARKED IN THE FIELD BY THE ENGINEER. SEE SPECIFICATIONS ON SHEET 64.

LINN COUNTY COURTHOUSE 300



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

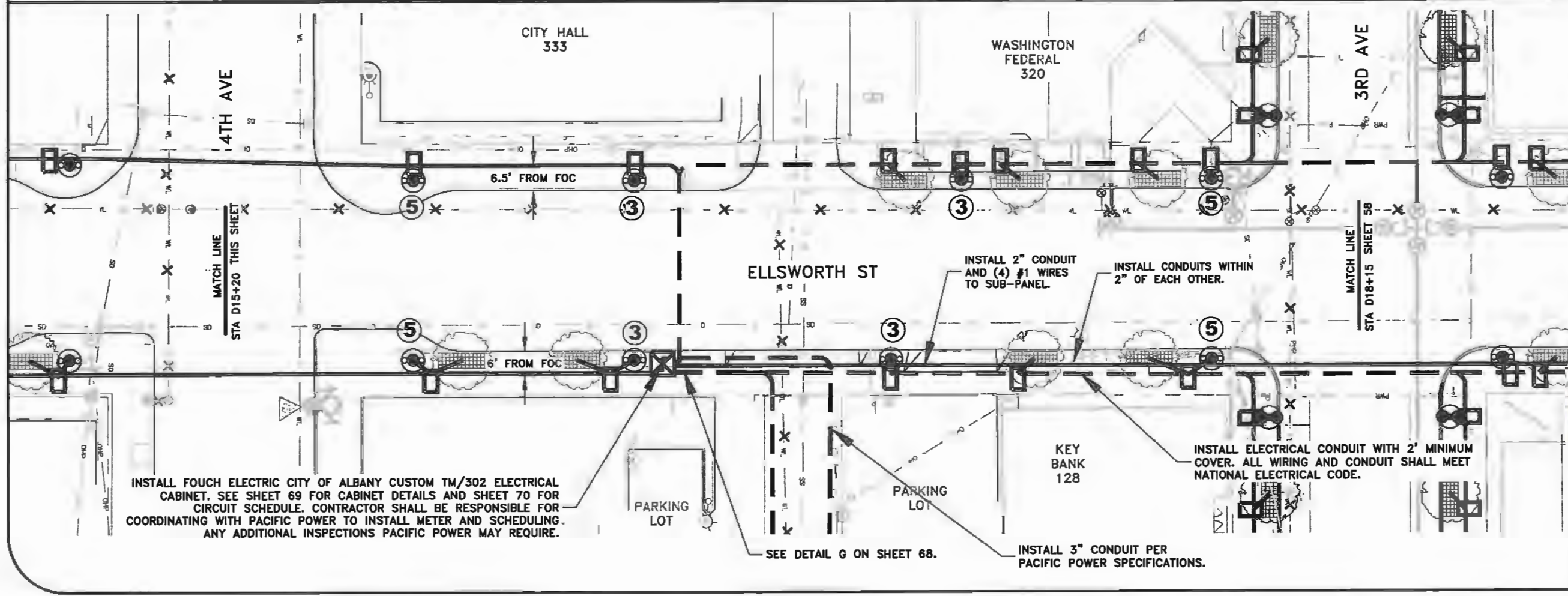


INSTALL TAMPER-RESISTANT JB1 JUNCTION BOX WHERE SHOWN. INSTALL 110 OUTDOOR RATED GFI OUTLET IN EACH JUNCTION BOX NEXT TO A TREE WELL. SEE DETAILS E AND F ON SHEET 68.

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 ELLSWORTH STREET LIGHTING



INSTALL FOUR ELECTRIC CITY OF ALBANY CUSTOM TM/302 ELECTRICAL CABINET. SEE SHEET 69 FOR CABINET DETAILS AND SHEET 70 FOR CIRCUIT SCHEDULE. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH PACIFIC POWER TO INSTALL METER AND SCHEDULING. ANY ADDITIONAL INSPECTIONS PACIFIC POWER MAY REQUIRE.

INSTALL 2" CONDUIT AND (4) #1 WIRES TO SUB-PANEL.

INSTALL CONDUITS WITHIN 2" OF EACH OTHER.

INSTALL ELECTRICAL CONDUIT WITH 2" MINIMUM COVER. ALL WIRING AND CONDUIT SHALL MEET NATIONAL ELECTRICAL CODE.

SEE DETAIL G ON SHEET 68.

INSTALL 3" CONDUIT PER PACIFIC POWER SPECIFICATIONS.



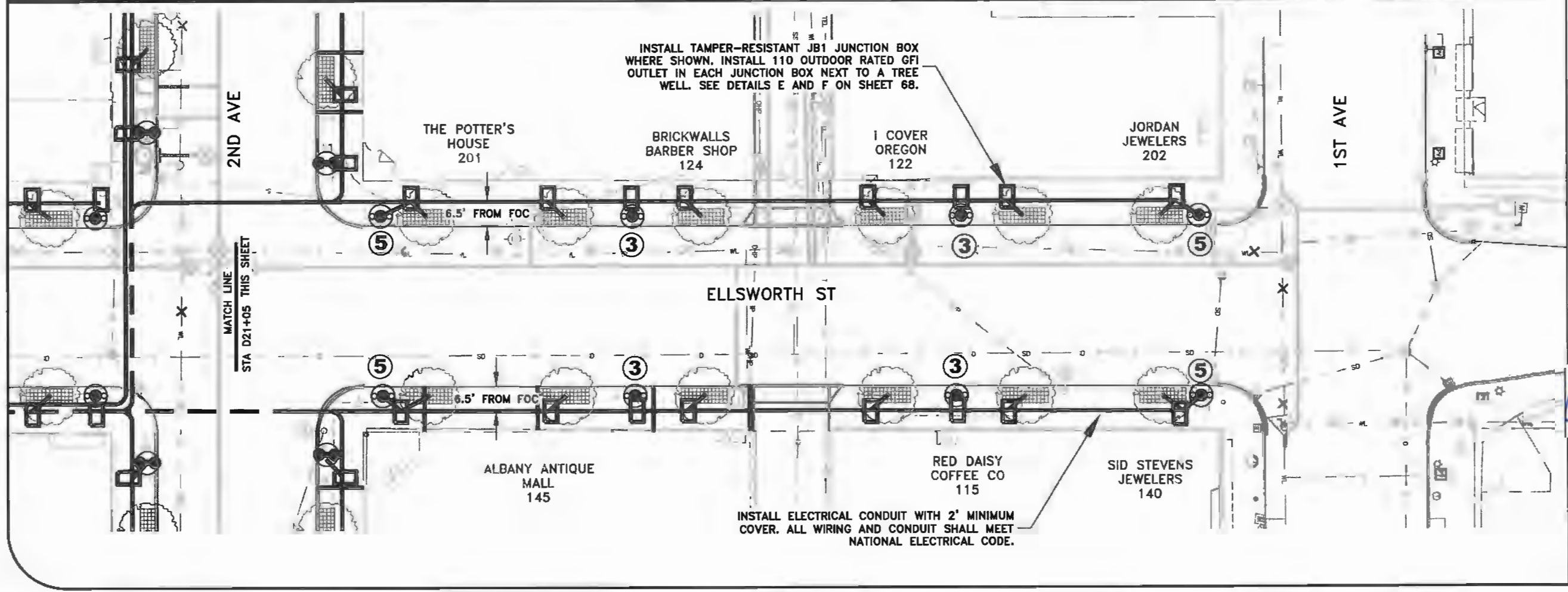
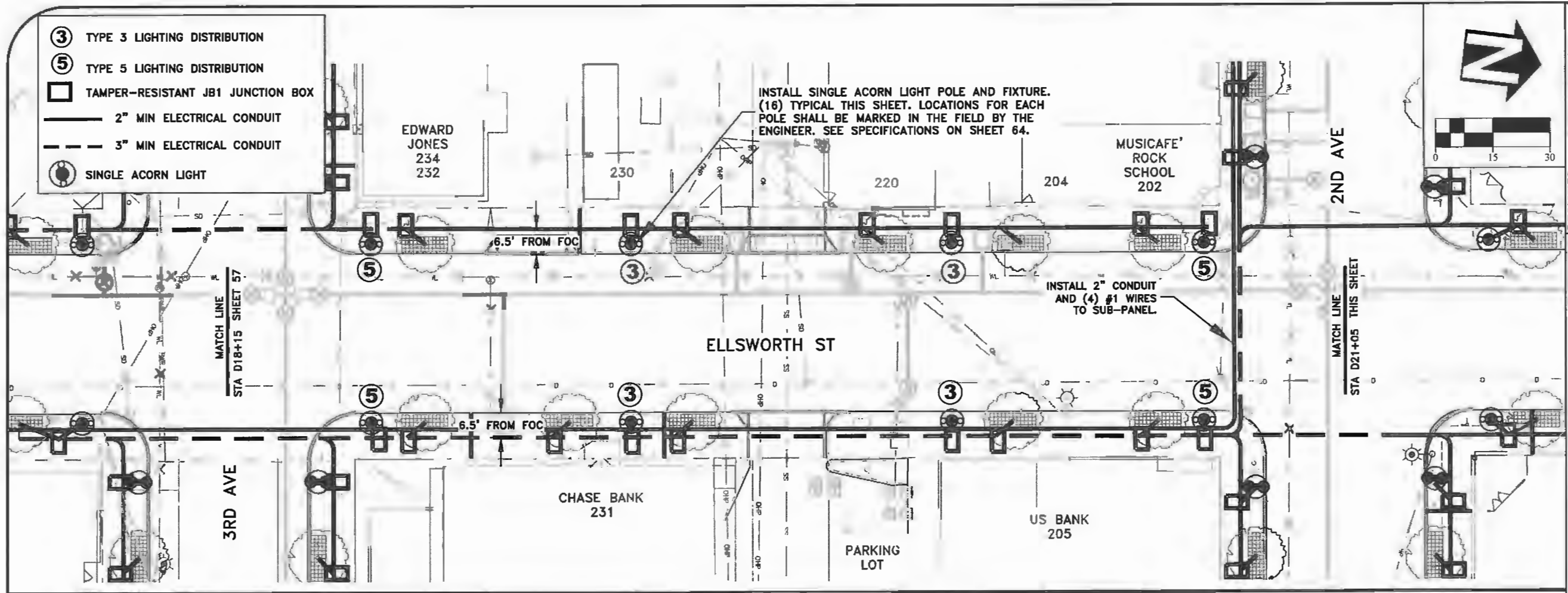
EXPIRATION DATE: 12/31/2017

SHEET NO. 57 OF 192

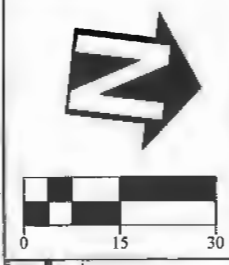
PROJECT NO: ST-15-03-B

FILE: BASE.DWG

- ③ TYPE 3 LIGHTING DISTRIBUTION
- ⑤ TYPE 5 LIGHTING DISTRIBUTION
- TAMPER-RESISTANT JB1 JUNCTION BOX
- 2" MIN ELECTRICAL CONDUIT
- - - 3" MIN ELECTRICAL CONDUIT
- SINGLE ACORN LIGHT



INSTALL ELECTRICAL CONDUIT WITH 2' MINIMUM COVER. ALL WIRING AND CONDUIT SHALL MEET NATIONAL ELECTRICAL CODE.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET LIGHTING

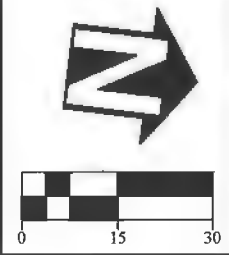


EXPIRATION DATE: 12/31/2017

SHEET NO. 58 OF 192

PROJECT NO: ST-15-03-B

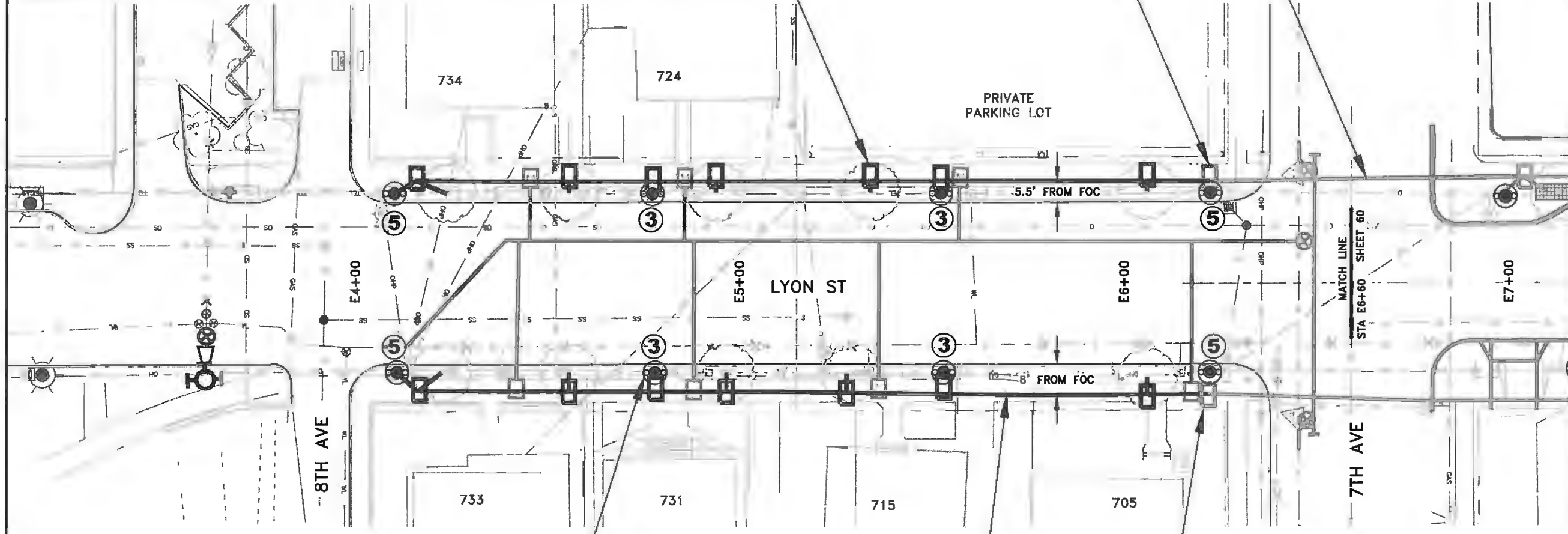
FILE: BASE.DWG



- ③ TYPE 3 LIGHTING DISTRIBUTION
- ⑤ TYPE 5 LIGHTING DISTRIBUTION
- ◻ TAMPER-RESISTANT JB1 JUNCTION BOX
- ◻ JUNCTION BOX INSTALLED BY OTHERS
- 2" MIN ELECTRICAL CONDUIT
- 2" CONDUIT INSTALLED BY OTHERS
- ⊙ SINGLE ACORN LIGHT

DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:



INSTALL TAMPER-RESISTANT JB1 JUNCTION BOX WHERE SHOWN. INSTALL 110 OUTDOOR RATED GFI OUTLET IN EACH JUNCTION BOX NEXT TO A TREE WELL. SEE DETAILS E AND F ON SHEET 68.

CONNECT TO EXISTING 2" CONDUIT IN JUNCTION BOX INSTALLED BY OTHERS.

INSTALLING WIRING THROUGH 2" ELECTRICAL CONDUIT INSTALLED BY OTHERS.

INSTALL SINGLE ACORN LIGHT POLE AND FIXTURE. (8) TYPICAL THIS SHEET. LOCATIONS FOR EACH POLE SHALL BE MARKED IN THE FIELD BY THE ENGINEER. SEE SPECIFICATIONS ON SHEET 64.

INSTALL ELECTRICAL CONDUIT WITH 2' MINIMUM COVER. ALL WIRING AND CONDUIT SHALL MEET NATIONAL ELECTRICAL CODE.

CONNECT TO EXISTING 2" CONDUIT IN JUNCTION BOX INSTALLED BY OTHERS.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET LIGHTING



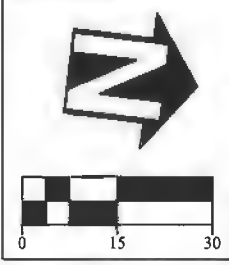
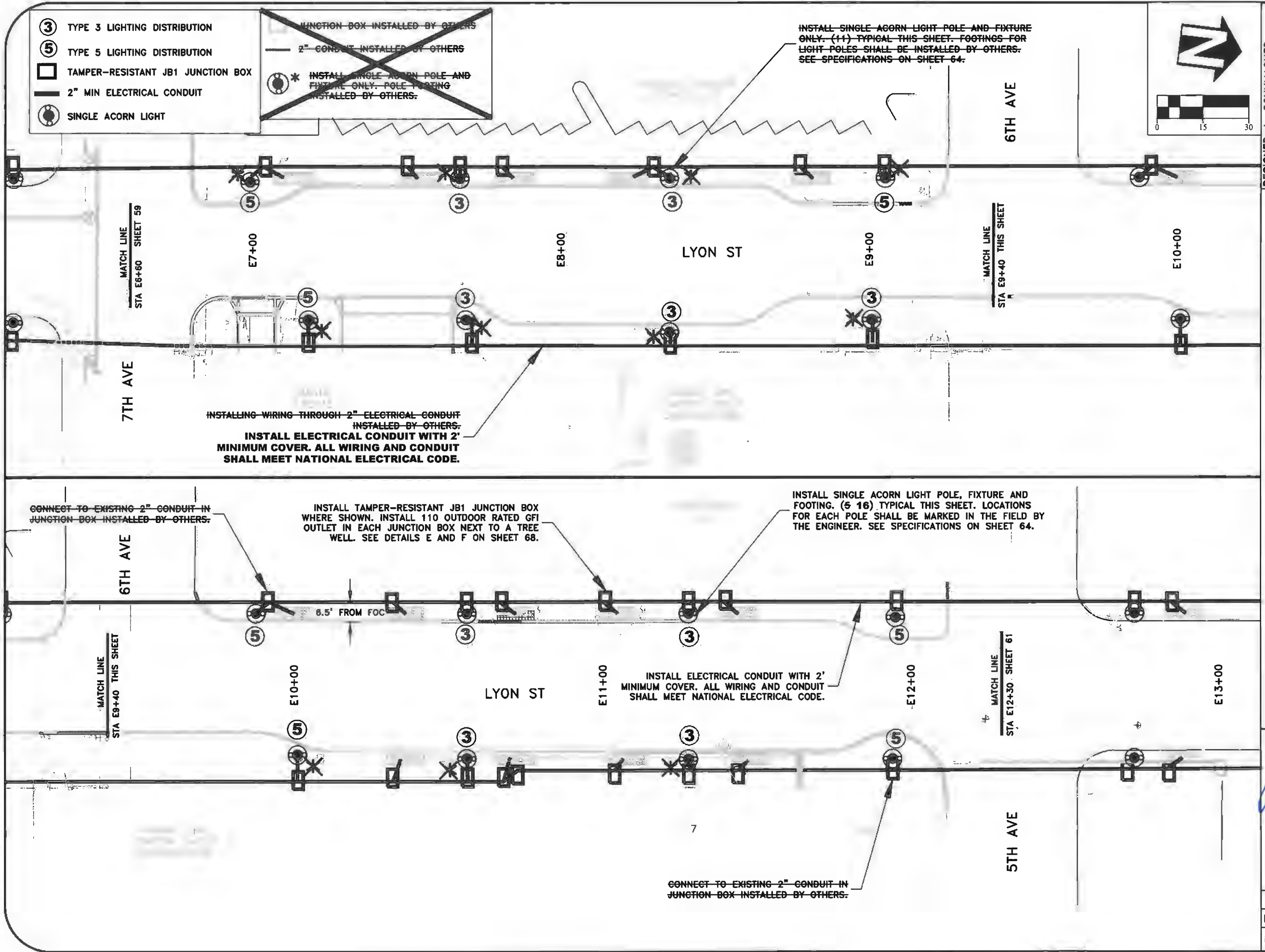
EXPIRATION DATE: 12/31/2017

SHEET NO. 59 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:
REV 1	L. SCHUMACHER
REV 2	C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

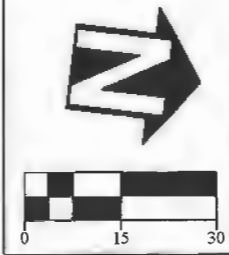
**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET LIGHTING**

REGISTERED PROFESSIONAL ENGINEER
 56,471 PE
Christopher L. Cerkowski
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

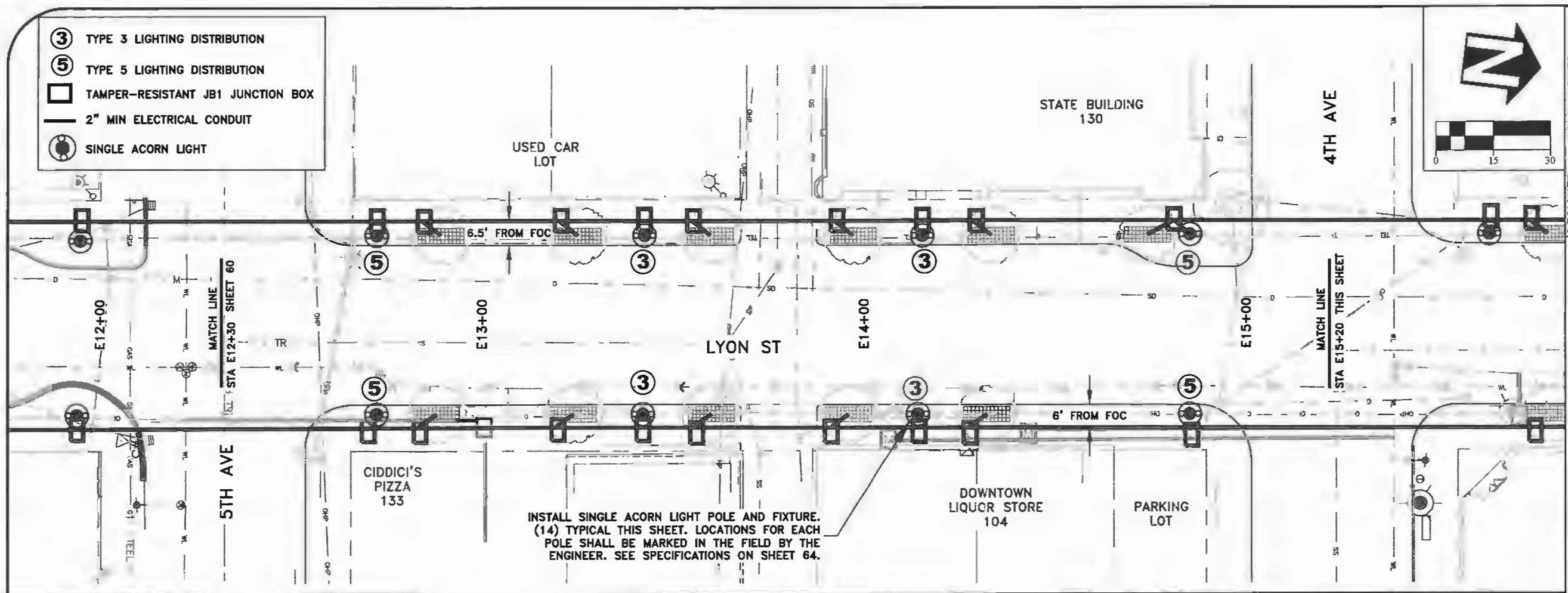
SHEET NO. 60 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

- ③ TYPE 3 LIGHTING DISTRIBUTION
- ⑤ TYPE 5 LIGHTING DISTRIBUTION
- TAMPER-RESISTANT JB1 JUNCTION BOX
- 2" MIN ELECTRICAL CONDUIT
- SINGLE ACORN LIGHT

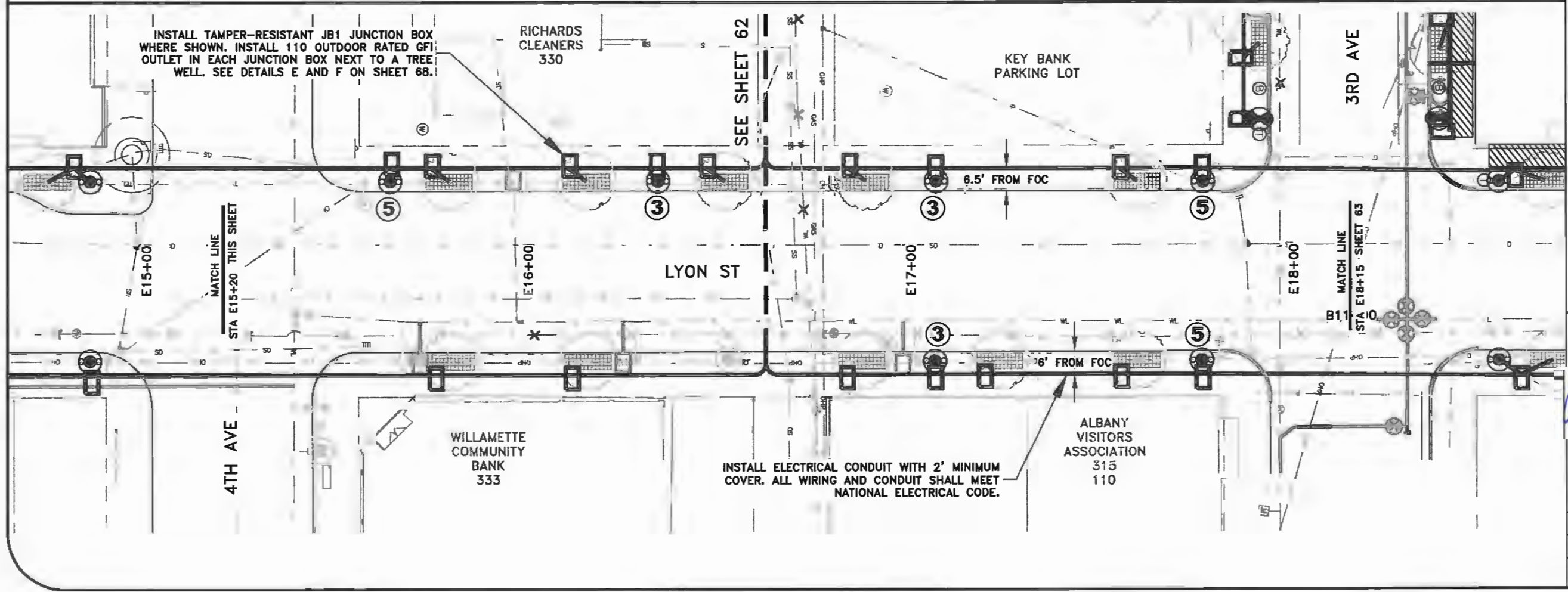


DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
DATE:	BY:



INSTALL SINGLE ACORN LIGHT POLE AND FIXTURE.
 (14) TYPICAL THIS SHEET. LOCATIONS FOR EACH
 POLE SHALL BE MARKED IN THE FIELD BY THE
 ENGINEER. SEE SPECIFICATIONS ON SHEET 64.



INSTALL TAMPER-RESISTANT JB1 JUNCTION BOX
 WHERE SHOWN. INSTALL 110 OUTDOOR RATED GFI
 OUTLET IN EACH JUNCTION BOX NEXT TO A TREE.
 WELL. SEE DETAILS E AND F ON SHEET 68.

INSTALL ELECTRICAL CONDUIT WITH 2" MINIMUM
 COVER. ALL WIRING AND CONDUIT SHALL MEET
 NATIONAL ELECTRICAL CODE.

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 LYON STREET LIGHTING



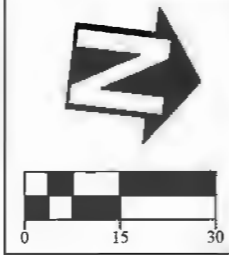
EXPIRATION DATE: 12/31/2017

SHEET NO. 61 OF 192

PROJECT NO: ST-15-03-B

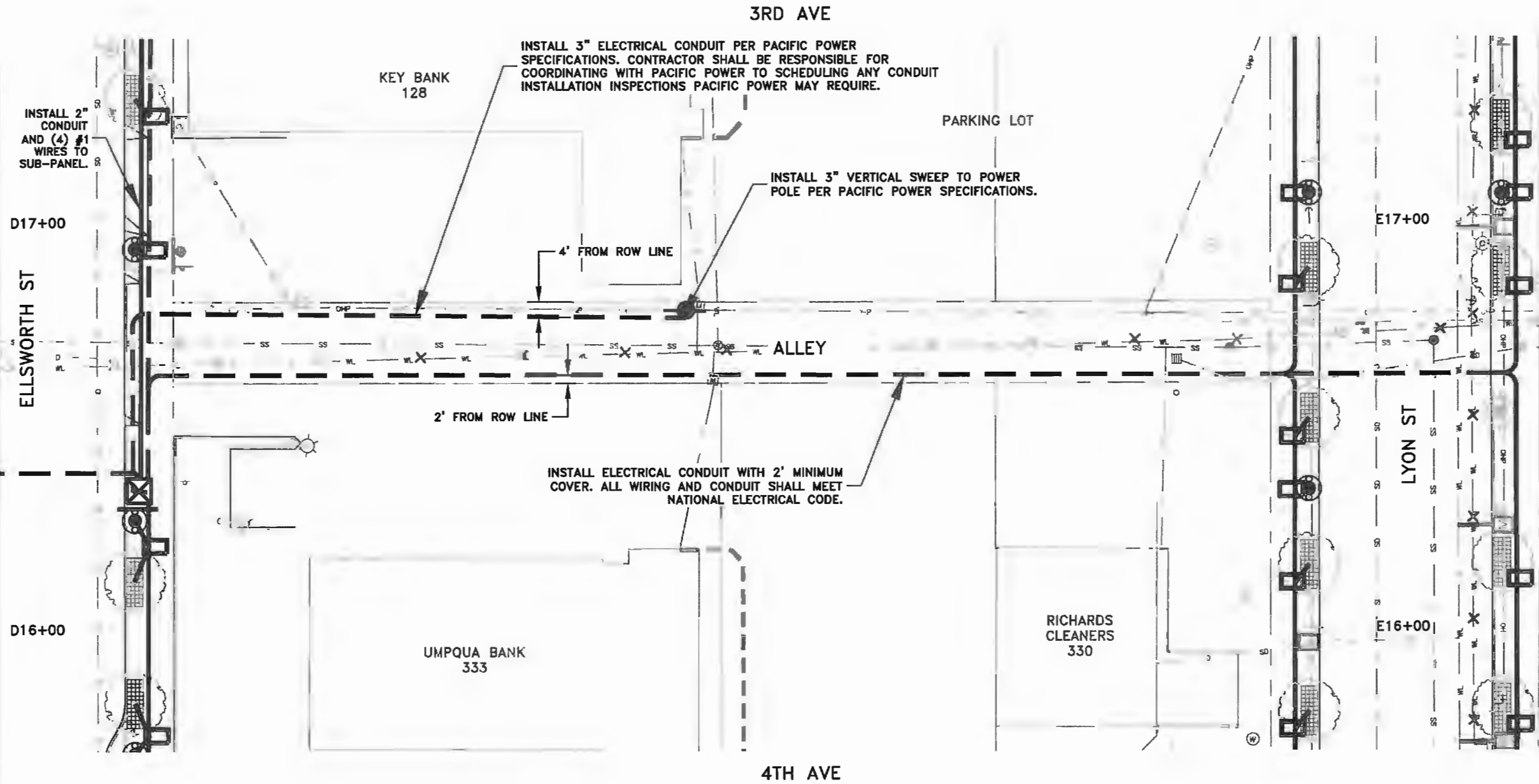
FILE: BASE.DWG

- ③ TYPE 3 LIGHTING DISTRIBUTION
- ⑤ TYPE 5 LIGHTING DISTRIBUTION
- TAMPER-RESISTANT JB1 JUNCTION BOX
- 2" MIN ELECTRICAL CONDUIT
- - - 3" MIN ELECTRICAL CONDUIT
- SINGLE ACORN LIGHT



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:



PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 ALLEY LIGHTING



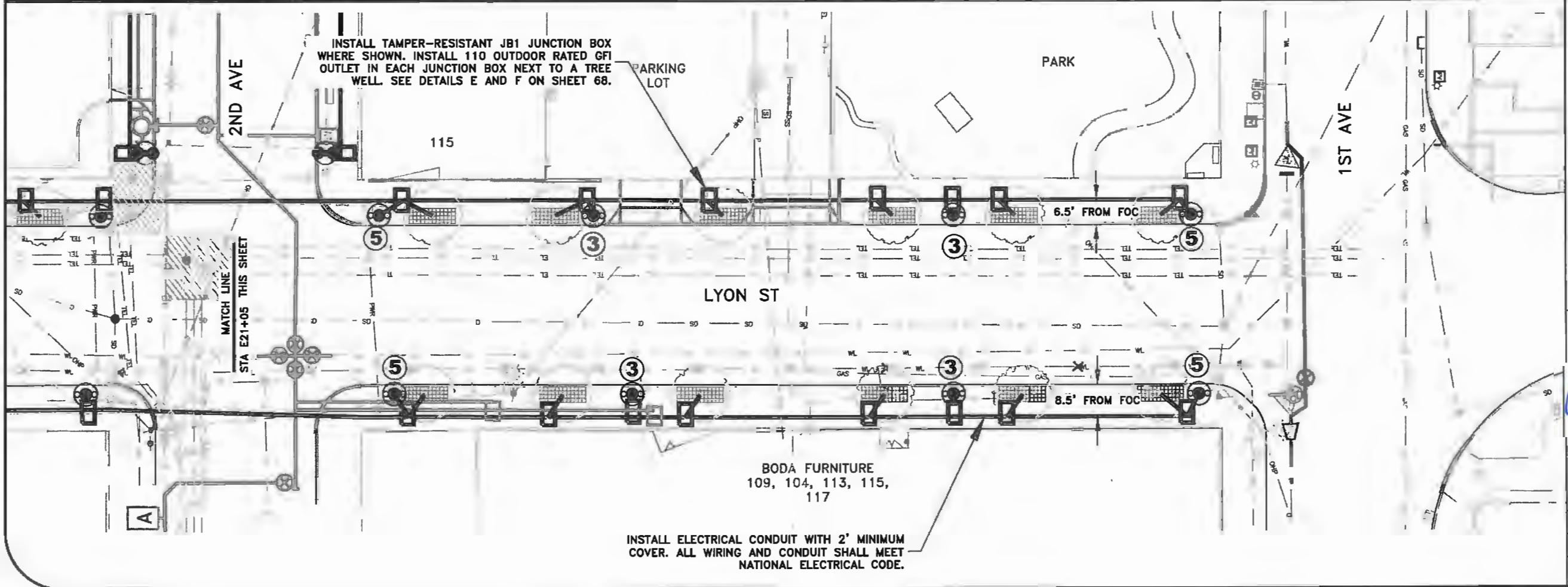
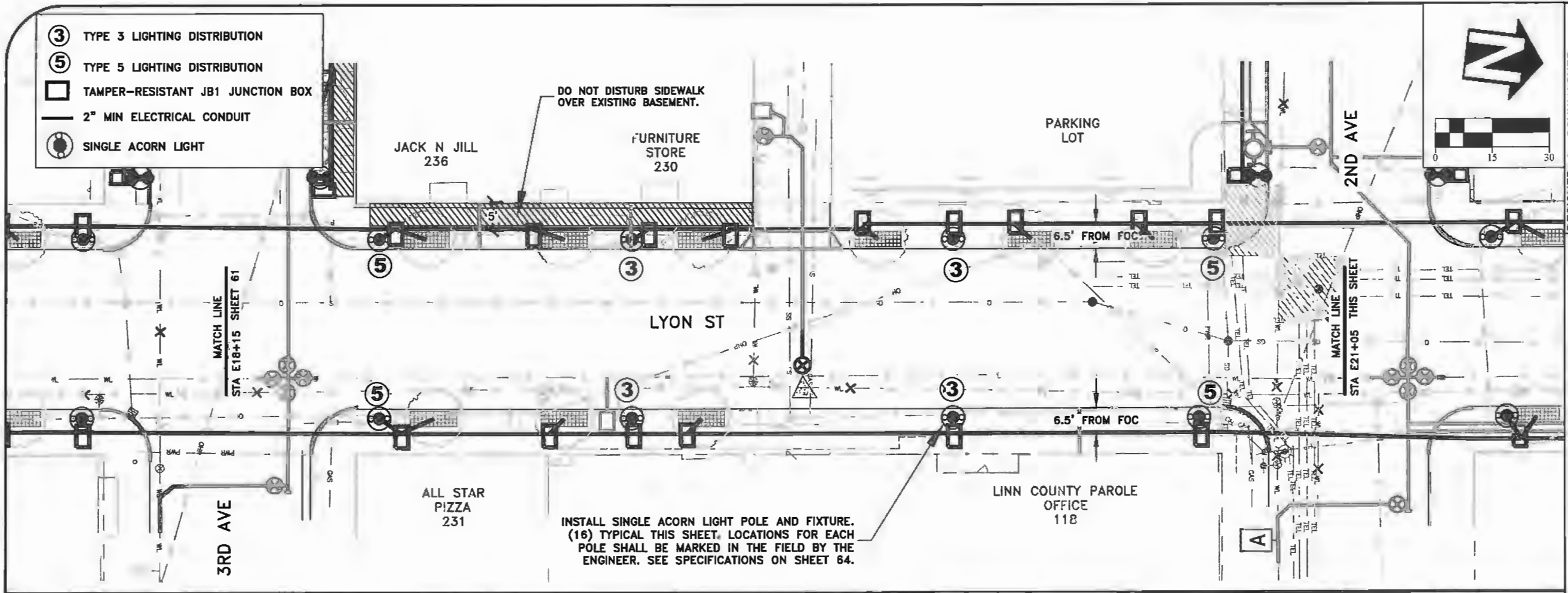
EXPIRATION DATE: 12/31/2017

SHEET NO. 62 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

- ③ TYPE 3 LIGHTING DISTRIBUTION
- ⑤ TYPE 5 LIGHTING DISTRIBUTION
- TAMPER-RESISTANT JB1 JUNCTION BOX
- 2" MIN ELECTRICAL CONDUIT
- SINGLE ACORN LIGHT



INSTALL SINGLE ACORN LIGHT POLE AND FIXTURE. (16) TYPICAL THIS SHEET. LOCATIONS FOR EACH POLE SHALL BE MARKED IN THE FIELD BY THE ENGINEER. SEE SPECIFICATIONS ON SHEET 64.

INSTALL TAMPER-RESISTANT JB1 JUNCTION BOX WHERE SHOWN. INSTALL 110 OUTDOOR RATED GFI OUTLET IN EACH JUNCTION BOX NEXT TO A TREE WELL. SEE DETAILS E AND F ON SHEET 68.

INSTALL ELECTRICAL CONDUIT WITH 2" MINIMUM COVER. ALL WIRING AND CONDUIT SHALL MEET NATIONAL ELECTRICAL CODE.

DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 LYON STREET LIGHTING



EXPIRATION DATE: 12/31/2017
 SHEET NO. 63 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

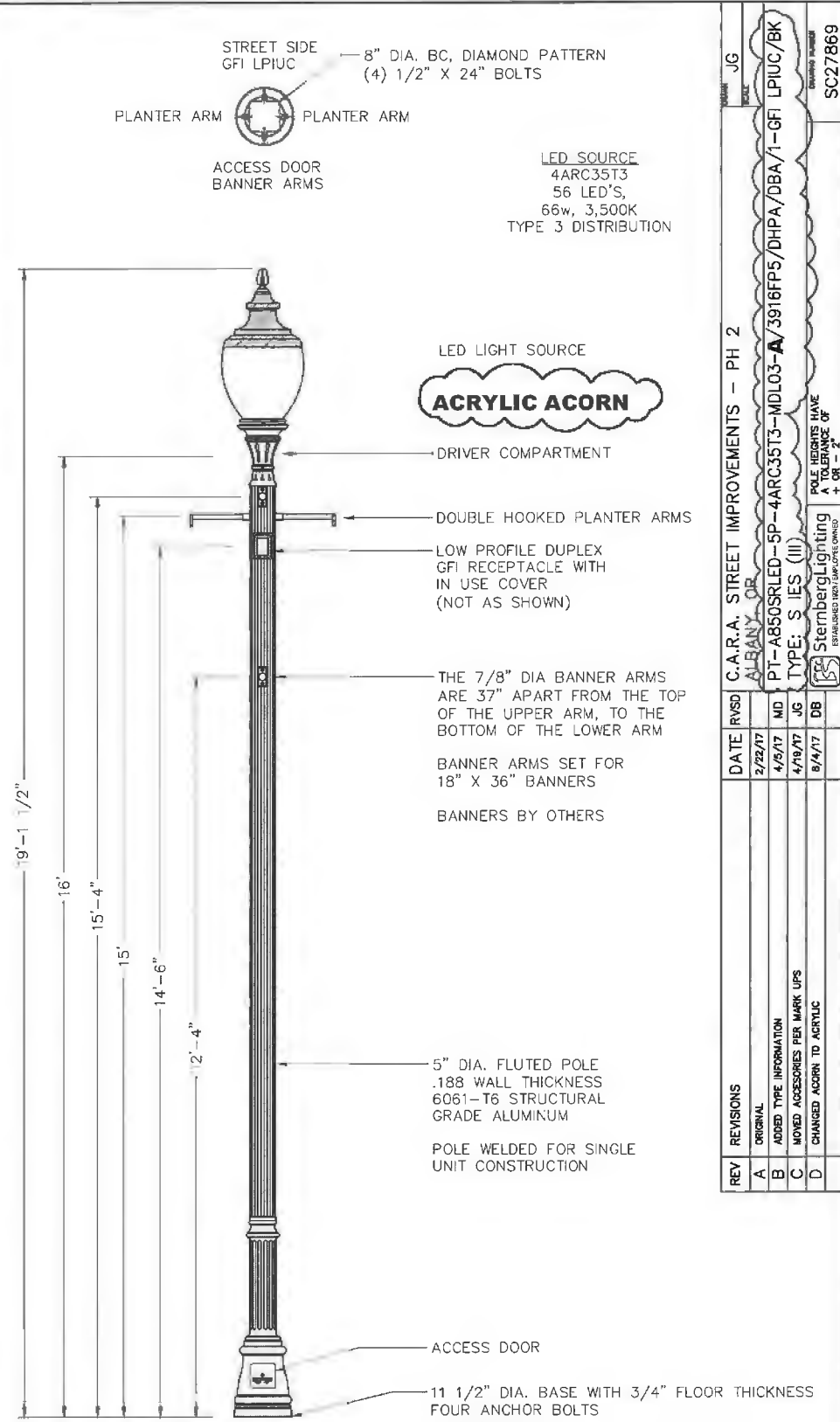
SINGLE ACORN LIGHTING SPECIFICATIONS

TYPE III DISTRIBUTION

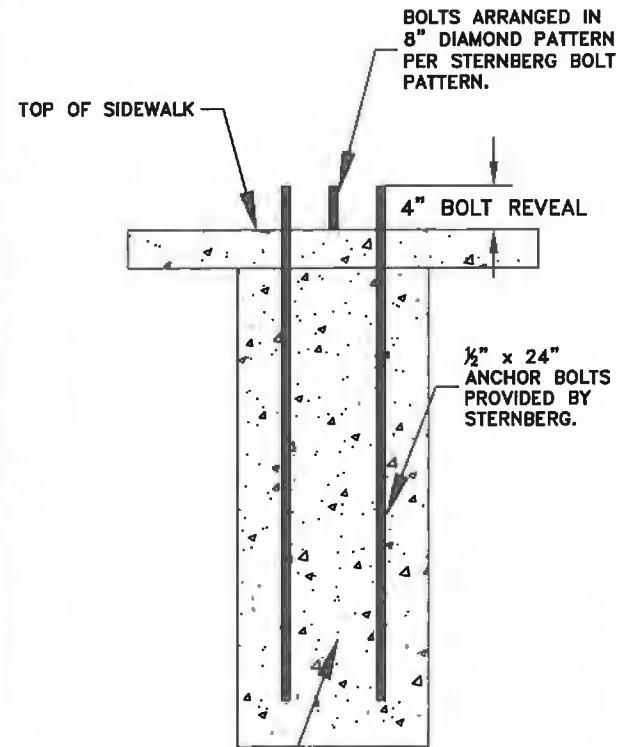
TYPE V DISTRIBUTION

APPROVED FOR CONSTRUCTION

SPECIFICATIONS UPDATED ON 8/21/2017



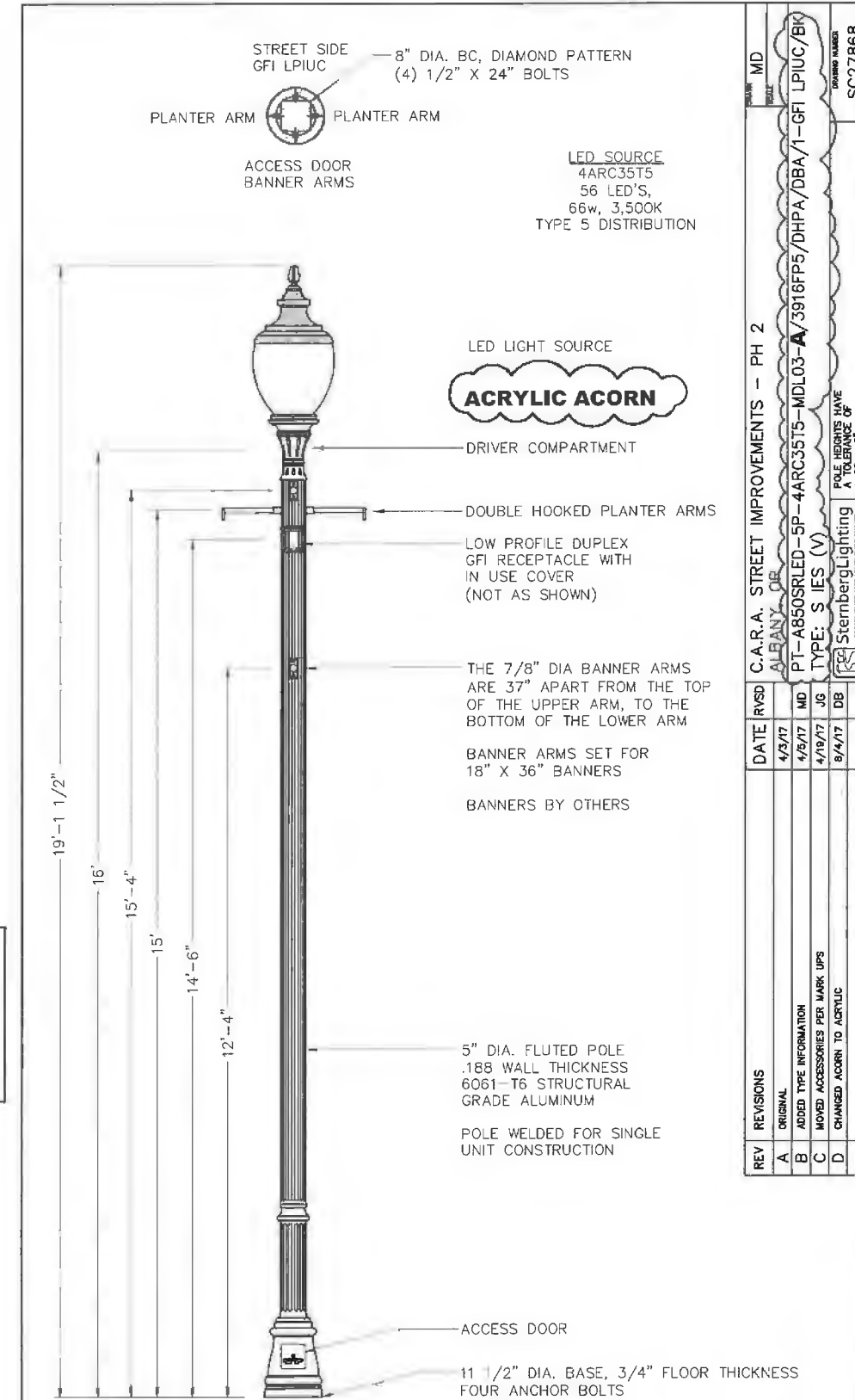
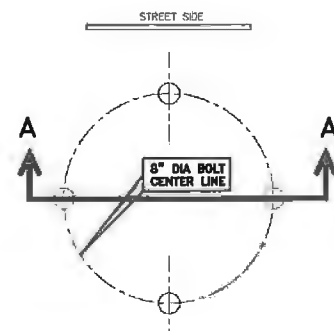
SINGLE ACORN POLE FOOTING SECTION VIEW A-A (NOT TO SCALE)



CONTRACTOR SHALL SUBMIT STREET LIGHT FOOTING DESIGN THAT MEETS LOCAL BUILDING CODE TO ENGINEER FOR APPROVAL.

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING WHERE SPREAD FOOTINGS MAY BE REQUIRED WHEN LIGHT POLES ARE LOCATED OVER EXISTING UTILITIES.

8" DIAMOND BOLT PATTERN



**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
SINGLE ACORN SPECIFICATIONS**



EXPIRATION DATE: 12/31/2017
SHEET NO. 64 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

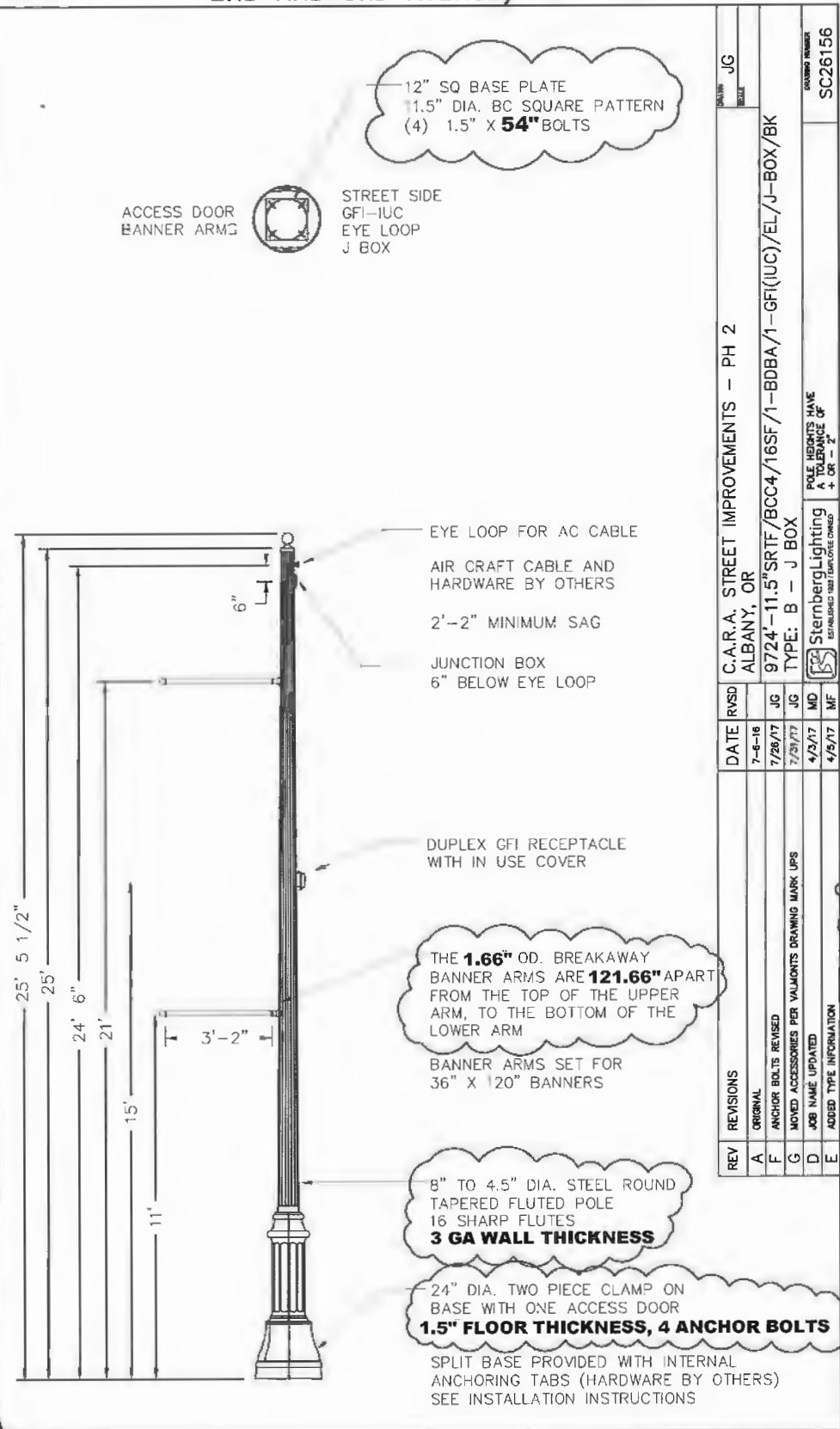
DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	REV 1 LLS
DATE: 4/11/2017	ODOT REV 1 LLS

APPROVED FOR CONSTRUCTION

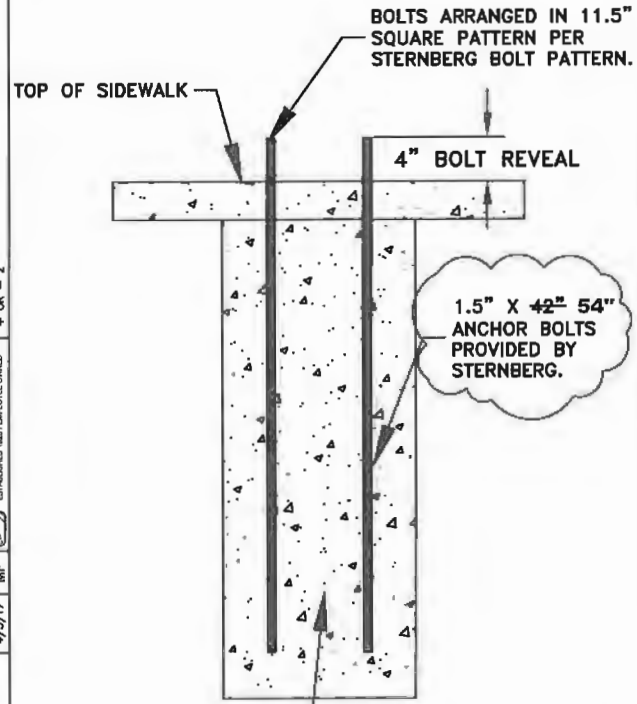
SPECIFICATIONS UPDATED ON 8/21/2017

BANNER POLE SPECIFICATIONS

BANNER POLE WITH JUNCTION BOX
(TO BE INSTALLED ON THE SOUTH SIDE OF 2ND AND 3RD AVENUE)



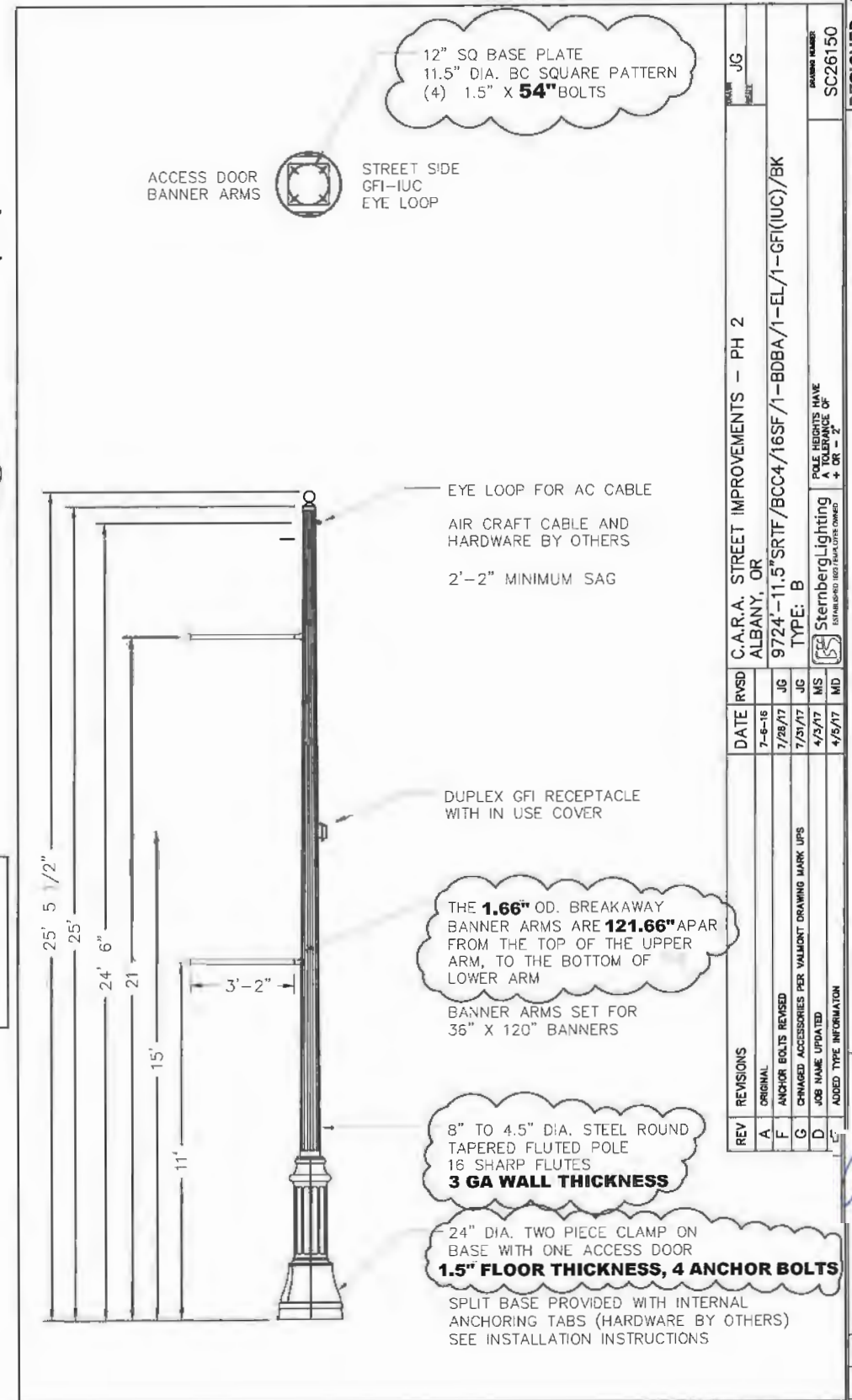
BANNER POLE FOOTING SECTION VIEW (NOT TO SCALE)



CONTRACTOR SHALL SUBMIT STREET LIGHT FOOTING DESIGN THAT MEETS LOCAL BUILDING CODE TO ENGINEER FOR APPROVAL.

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING WHERE SPREAD FOOTINGS MAY BE REQUIRED WHEN LIGHT POLES ARE LOCATED OVER EXISTING UTILITIES.

BANNER POLE ONLY
(TO BE INSTALLED ON THE NORTH SIDE OF 2ND AND 3RD AVENUE)



PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
BANNER POLE SPECIFICATIONS

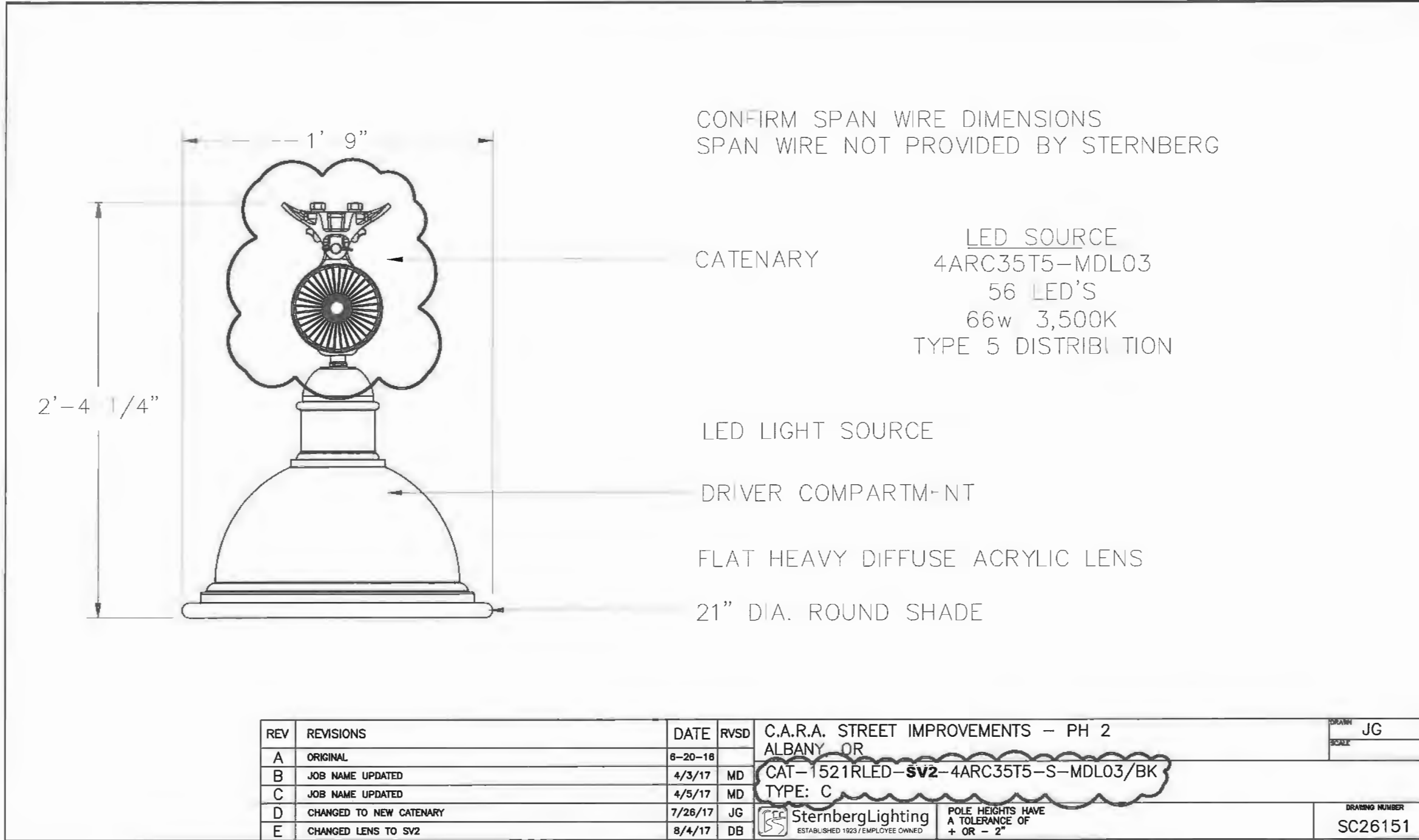


EXPIRATION DATE: 12/31/2017
SHEET NO. 66 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

SPECIFICATIONS UPDATED ON 8/21/2017

CATENARY LIGHT SPECIFICATIONS



REV	REVISIONS	DATE	RVSD	C.A.R.A. STREET IMPROVEMENTS - PH 2	SCALE
A	ORIGINAL	6-20-16		ALBANY, OR	JG
B	JOB NAME UPDATED	4/3/17	MD	CAT-1521RLED-SV2-4ARC35T5-S-MDL03/BK	
C	JOB NAME UPDATED	4/5/17	MD	TYPE: C	
D	CHANGED TO NEW CATENARY	7/26/17	JG		
E	CHANGED LENS TO SV2	8/4/17	DB		



POLE HEIGHTS HAVE
A TOLERANCE OF
+ OR - 2"

DRAWING NUMBER
SC26151

DESIGNED: L. SCHUMACHER
DRAWN: L. SCHUMACHER
CHECKED: C. CERKLEWSKI
DATE: 4/11/2017

REVISIONS	
DATE	NO.
4/25/2017	REV 1
7/21/2017	ODOT REV 1
	BY: LLS
	LLS
	--

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

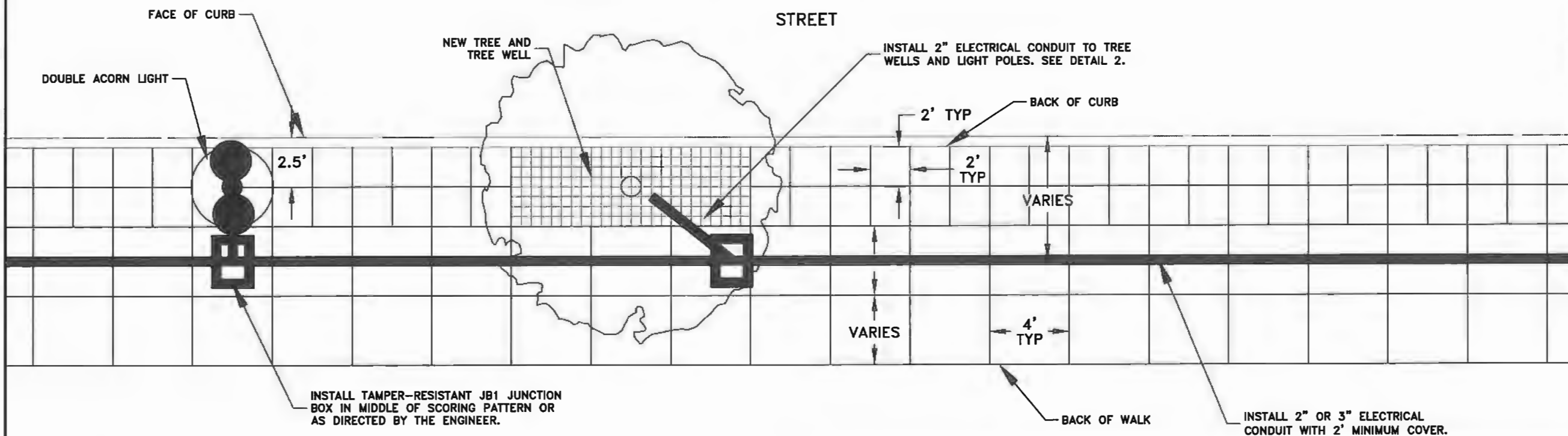


**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
CATENARY LIGHT SPECIFICATIONS**

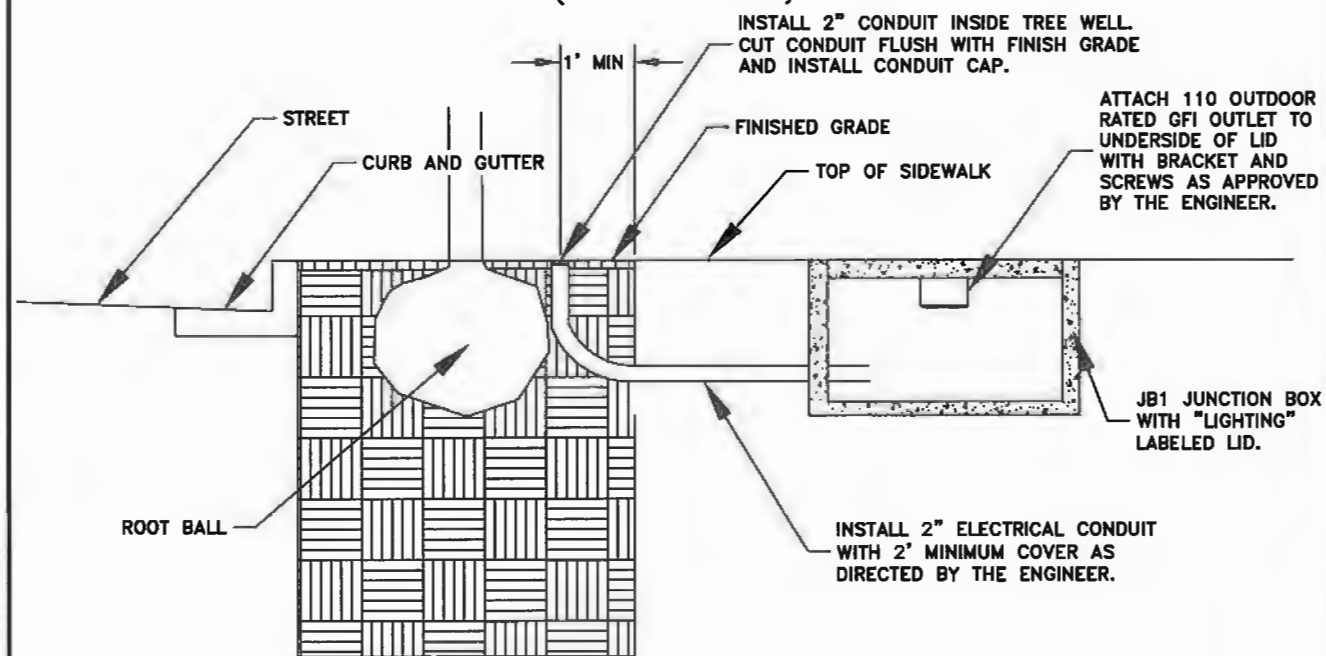


EXPIRATION DATE: 12/31/2017
SHEET NO. 67 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

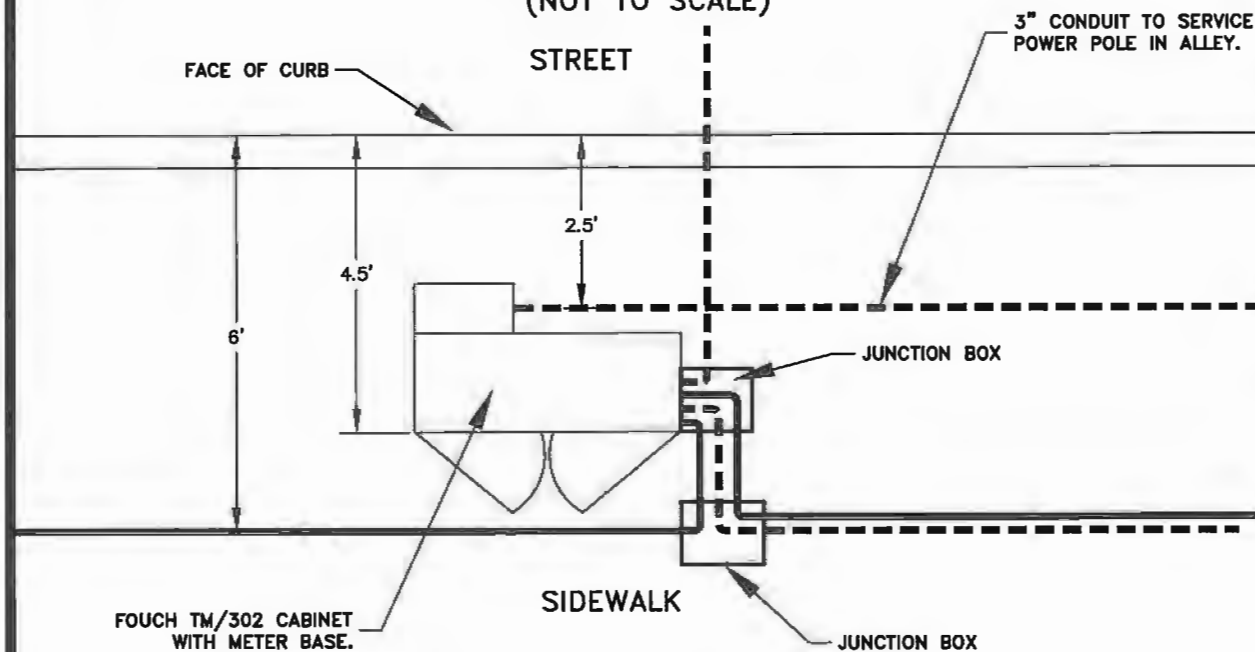
DETAIL E: TYPICAL ELECTRICAL INFRASTRUCTURE INSTALLATION
 PLAN VIEW
 (NOT TO SCALE)



DETAIL F: TYPICAL TREE WELL ELECTRICAL INSTALLATION
 SECTION VIEW
 (NOT TO SCALE)



DETAIL G: FOUCH ELECTRICAL CABINET
 PLAN VIEW
 (NOT TO SCALE)



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 LIGHTING INFRASTRUCTURE DETAILS

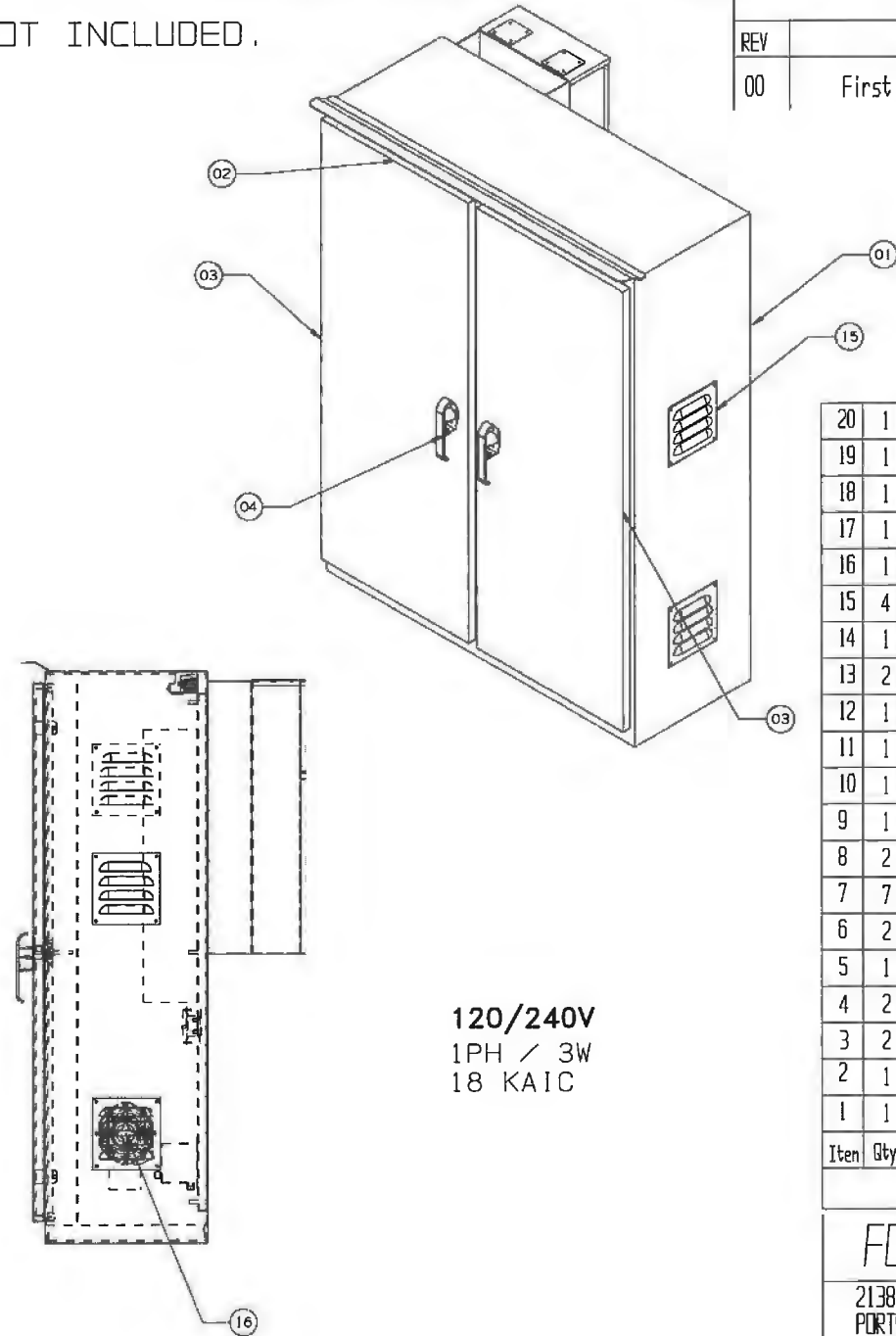
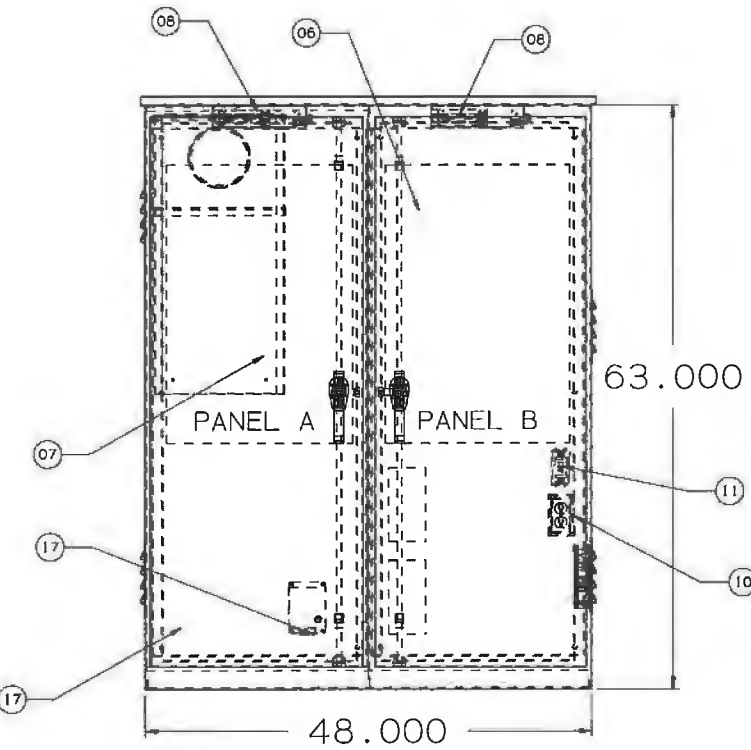
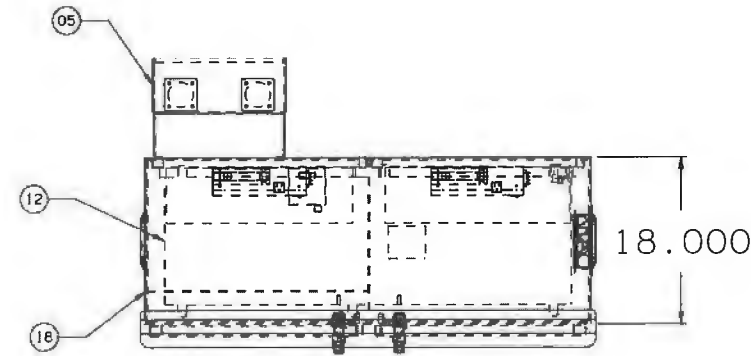


EXPIRATION DATE: 12/31/2017
 SHEET NO. 68 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

FOUCH ELECTRICAL CABINET CITY OF ALBANY CUSTOM TM/302

FILE LOCATION: Cad files\Fouch\Temp\600-0600-0122-00 rev 00

ANY ITEM NOT LISTED ON DRAWING IS NOT INCLUDED.
CITY OF ALBANY CUSTOM TM/302



120/240V
1PH / 3W
18 KAIC

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	First Drawing	02/24/2017	PDW

Item	Qty	UOM	Description	Matl. Spec
20	1	EA	INFO	INFO
19	1	EA	INFO	INFO
18	1	EA	hinged s/s deadfront	INFO
17	1	EA	Hoffman 200 watt forced air fan -w- thermostat	alun
16	1	EA	exhaust fan with remote thermostat	INFO
15	4	EA	S/S Louvers -w- screens & filter kits	12 ga s/s
14	1	EA	INFO	INFO
13	2	EA	Full size 12 ga P&D back pans, painted white	12 ga p&o
12	1	EA	3/16" x 1 1/2" x 1 1/2" S/S angle base	INFO
11	1	EA	20 AMP TEST SWITCH	INFO
10	1	EA	20 amp GFCI duplex receptacle	INFO
9	1	EA	INFO	INFO
8	2	EA	60 watt light fixture with on/off switch	ns
7	7	EA	GE type TED breakers 14 KAIC @ 277 volts	CU
6	2	EA	GE CR460L cont 30amp 5p2-pole modules 120V coil	INFO
5	1	EA	124 TB stainless steel safety type meter base	s/s
4	2	EA	73Ns S/S 3-point padlockable latches	12 ga s/s
3	2	EA	full length s/s piano hinges	S/S
2	1	EA	full width drip edge	12 ga s/s
1	1	EA	Main Body	12 ga s/s

BILL OF MATERIALS

FOUCH ELECTRIC MFG. CO. INC.

2138 N INTERSTATE AVE. EMAIL: sales@fouch.com
 PORTLAND, OREGON 97227 WEB: www.Fouch.com
 PHONE: 503-284-1415 FAX: 503-284-0016

CONTRACTOR: _____ DWG NO. 0600-0122-00 rev 00
 JOB: CITY OF ALBANY CARA ST IMP PHASE-2 QTY: 1
 FOUCH JWD#: TBA

3. Remove all sharp edges
2. Seam Welded and ground smooth all corners
1. Nema 3R 12 ga type 304 #4 S/S enclosure.

DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO:	BY:

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
FOUCH ELECTRICAL CABINET



EXPIRATION DATE: 12/31/2017

SHEET NO. 69 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

FOUCH ELECTRICAL CABINET CIRCUIT SCHEDULE

DESIGNED: L. SCHUMACHER
DRAWN: L. SCHUMACHER
CHECKED: C. CERKLEWSKI
DATE: 4/11/2017

REVISIONS	
NO.	BY:

PANEL A

120/240 volt single phase 30 circuit 150 amp main breaker

CIRCUIT	AMPERAGE/POLES	DESCRIPTION	LOCATION
1-3	20/2	LIGHTING	LYON ST. E4+10 to E16+40 west side
5-7	20/2	LIGHTING	LYON ST. E4+10 to E14+85 east side
9-11	20/2	LIGHTING	LYON ST. E17+00 - 23+60 both sides
13-15	20/2	LIGHTING	ELLSWORTH ST. D4+20 to D16+30 west side
17-19	20/2	LIGHTING	ELLSWORTH ST. D4+10 to D16+30 east side
21-23	20/2	-----	Spare
25-27	20/2	-----	Spare
29	-----	-----	Space
2	20/1	Pole & Tree Recpetacles	LYON ST. E4+10 to E9+10 west side
4	20/1	Pole & Tree Recpetacles	LYON ST. E4+10 to E9+10 east side
6	20/1	Pole & Tree Recpetacles	LYON ST. E9+85 - E16+50 west side
8	20/1	Pole & Tree Recpetacles	LYON ST. E9+85 - E14+85 east side
10	20/1	Pole & Tree Recpetacles	LYON ST 16+90 - 23+60 west side
12	20/1	Pole & Tree Recpetacles	LYON ST 16+90 - 23+60 east side
14	20/1	Pole & Tree Recpetacles	ELLSWORTH ST. D4+20 to D9+05 west side
16	20/1	Pole & Tree Recpetacles	ELLSWORTH ST. D4+20 to D9+05 east side
18	20/1	Pole & Tree Recpetacles	ELLSWORTH ST. D9+95 to D16+30 west side
20	20/1	Pole & Tree Recpetacles	ELLSWORTH ST. D9+95 to D16+30 east side
22	20/1	Control Circuit	All Circuits
24	20/1	-----	Spare
26	20/1	-----	Spare
28	-----	-----	Space
30	-----	-----	Space

PANEL B

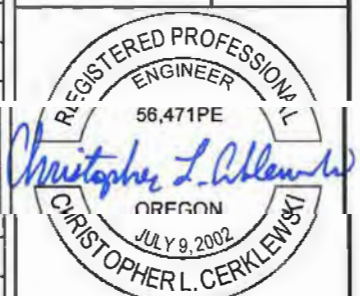
120/240 volt single phase 42 circuit 150 amp main breaker

CIRCUIT	AMPERAGE/POLES	DESCRIPTION	LOCATION
1-3	20/2	LIGHTING	ELLSWORTH ST. D17+00 to D23+60 both sides
5-7	20/2	LIGHTING	2nd Ave. north side
9-11	20/2	LIGHTING	2nd Ave. south side
13-15	20/2	LIGHTING	3rd Ave. north side and Broadalbin both sides
17-19	20/2	LIGHTING	3rd Ave. south side
21-23	20/2	LIGHTING	2nd & 3rd center span lights
25-27	20/2	-----	Spare
29-31	20/2	-----	Spare
33	-----	-----	Space
35	-----	-----	Space
37	-----	-----	Space
39	-----	-----	Space
41	-----	-----	Space
2	20/1	Pole & Tree Recpetacles	ELLSWORTH ST D16+90 to D23+60 west side
4	20/1	Pole & Tree Recpetacles	ELLSWORTH ST D16+90 to D23+60 east side
6	20/1	Pole & Tree Recpetacles	2nd Ave. A4+10 to A10+00 north side
8	20/1	Pole & Tree Recpetacles	2nd Ave. A4+10 to A10+00 south side
10	20/1	Pole & Tree Recpetacles	2nd Ave. A10+70 to A16+70 north side
12	20/1	Pole & Tree Recpetacles	2nd Ave. A10+70 to A16+70 south side
14	20/1	Pole & Tree Recpetacles	3rd Ave. B1+25 to B3+80 north side and all of west side of BROADLABIN
16	20/1	Pole & Tree Recpetacles	3rd Ave. B4+60 to B7+15 north side and all of east side of BROADLABIN
18	20/1	Pole & Tree Recpetacles	3rd Ave. B1+25 to B7+15 south side
20	20/1	Pole & Tree Recpetacles	3rd Ave. B7+90 to B10+50 both sides
22-24	40/2	Feed to Sub Panel	2nd and Ferry SE Corner
26	20/1	-----	Spare
28	20/1	-----	Spare
30	-----	-----	Space
32	-----	-----	Space
34	-----	-----	Space
36	-----	-----	Space
38	-----	-----	Space
40	-----	-----	Space
42	-----	-----	Space

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

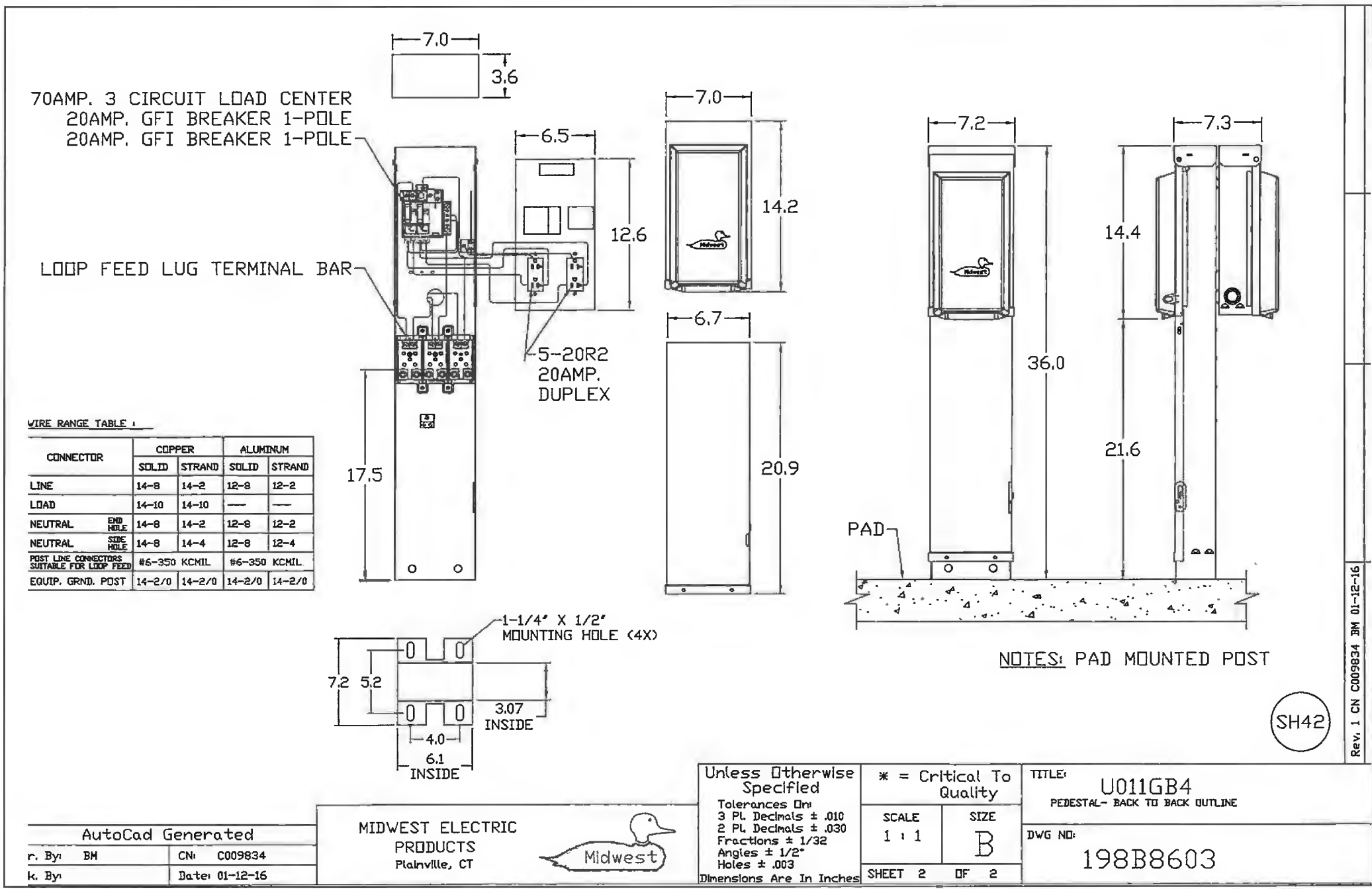


ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
FOUCH CIRCUIT SCHEDULE



EXPIRATION DATE: 12/31/2017
SHEET NO. 70 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

MIDWEST ELECTRICAL SUB-PANEL PEDESTAL




WIRE RANGE TABLE

CONNECTOR	COPPER		ALUMINUM	
	SOLID	STRAND	SOLID	STRAND
LINE	14-8	14-2	12-8	12-2
LOAD	14-10	14-10	---	---
NEUTRAL	14-8	14-2	12-8	12-2
NEUTRAL	14-8	14-4	12-8	12-4
POST LINE CONNECTORS SUITABLE FOR LOOP FEED	#6-350 KCMIL		#6-350 KCMIL	
EQUIP. GRND. POST	14-2/0	14-2/0	14-2/0	14-2/0

AutoCad Generated
 r. By: BM CN: C009834
 k. By: Date: 01-12-16

MIDWEST ELECTRIC PRODUCTS
 Plainville, CT



Unless Otherwise Specified
 Tolerances On:
 3 Pl. Decimals ± .010
 2 Pl. Decimals ± .030
 Fractions ± 1/32
 Angles ± 1/2°
 Holes ± .003
 Dimensions Are In Inches

* = Critical To Quality

SCALE: 1 : 1 SIZE: B

SHEET 2 OF 2

TITLE: U011GB4
 PEDESTAL - BACK TO BACK OUTLINE

DWG NO: 198B8603

SH42

Rev. 1 CN C009834 BM 01-12-16

DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 MIDWEST ELECTRICAL PEDESTAL DETAIL



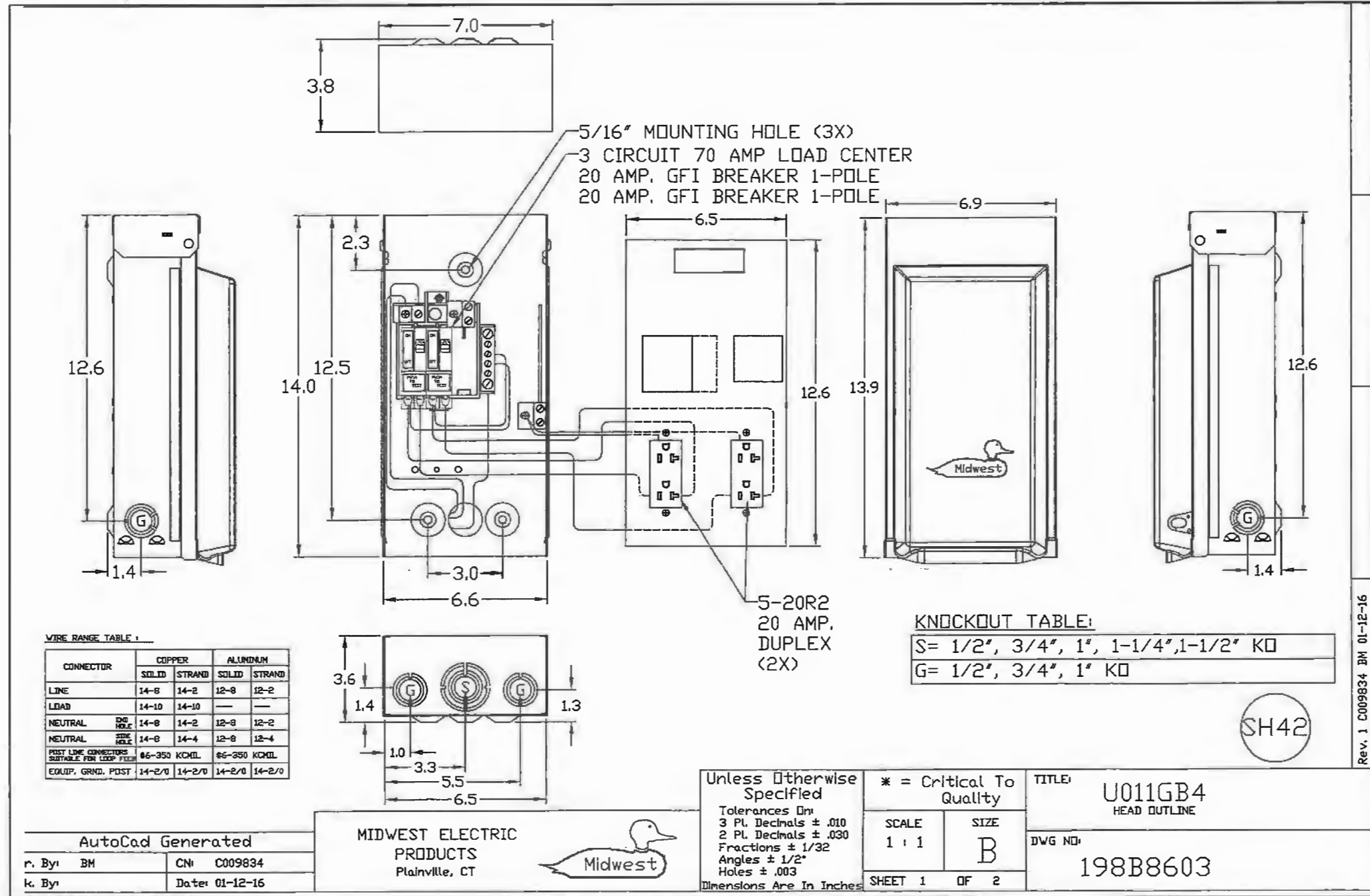
EXPIRATION DATE: 12/31/2017

SHEET NO. 71 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

MIDWEST ELECTRICAL CABINET



WIRE RANGE TABLE

CONNECTOR	COPPER		ALUMINUM	
	SOLID	STRAND	SOLID	STRAND
LINE	14-8	14-2	12-8	12-2
LOAD	14-10	14-10	—	—
NEUTRAL	14-8	14-2	12-8	12-2
NEUTRAL	14-8	14-4	12-8	12-4
POST LINE CONNECTORS SUITABLE FOR USE WITH	86-350	KCMIL	86-250	KCMIL
EQUIP. GRND. POST	14-2/0	14-2/0	14-2/0	14-2/0

KNCKOUT TABLE:

S= 1/2", 3/4", 1", 1-1/4", 1-1/2" KO
G= 1/2", 3/4", 1" KO

AutoCad Generated

r. By: BM	CN: C009834
k. By:	Date: 01-12-16

MIDWEST ELECTRIC PRODUCTS
 Plainville, CT

Unless Otherwise Specified

* = Critical To Quality

Tolerances On:
 3 Pl. Decimals ± .010
 2 Pl. Decimals ± .030
 Fractions ± 1/32
 Angles ± 1/2°
 Holes ± .003

Dimensions Are In Inches

SCALE	SIZE
1 : 1	B

SHEET 1 OF 2

TITLE: U011GB4
 HEAD OUTLINE

DWG NO: 198B8603

SH42

DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 MIDWEST ELECTRICAL CABINET DETAIL

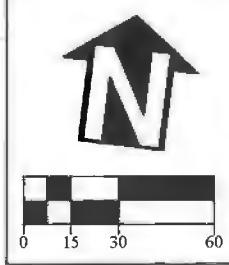
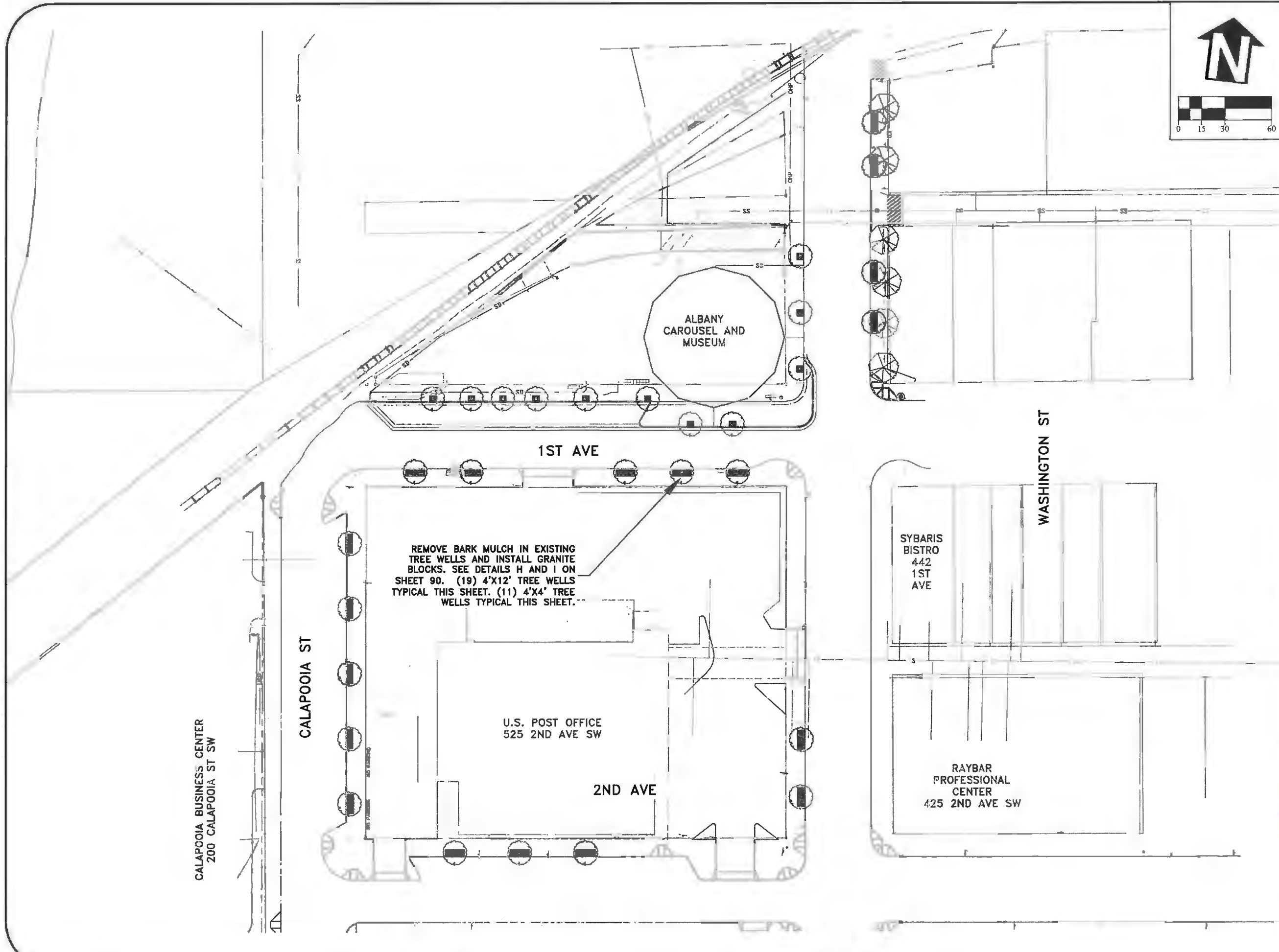
REGISTERED PROFESSIONAL ENGINEER
 56,471PE
 Christopher L. Cerklewski
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 72 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 POST OFFICE BLOCK TREE WELLS

REGISTERED PROFESSIONAL ENGINEER
 56,471PE
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 73 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

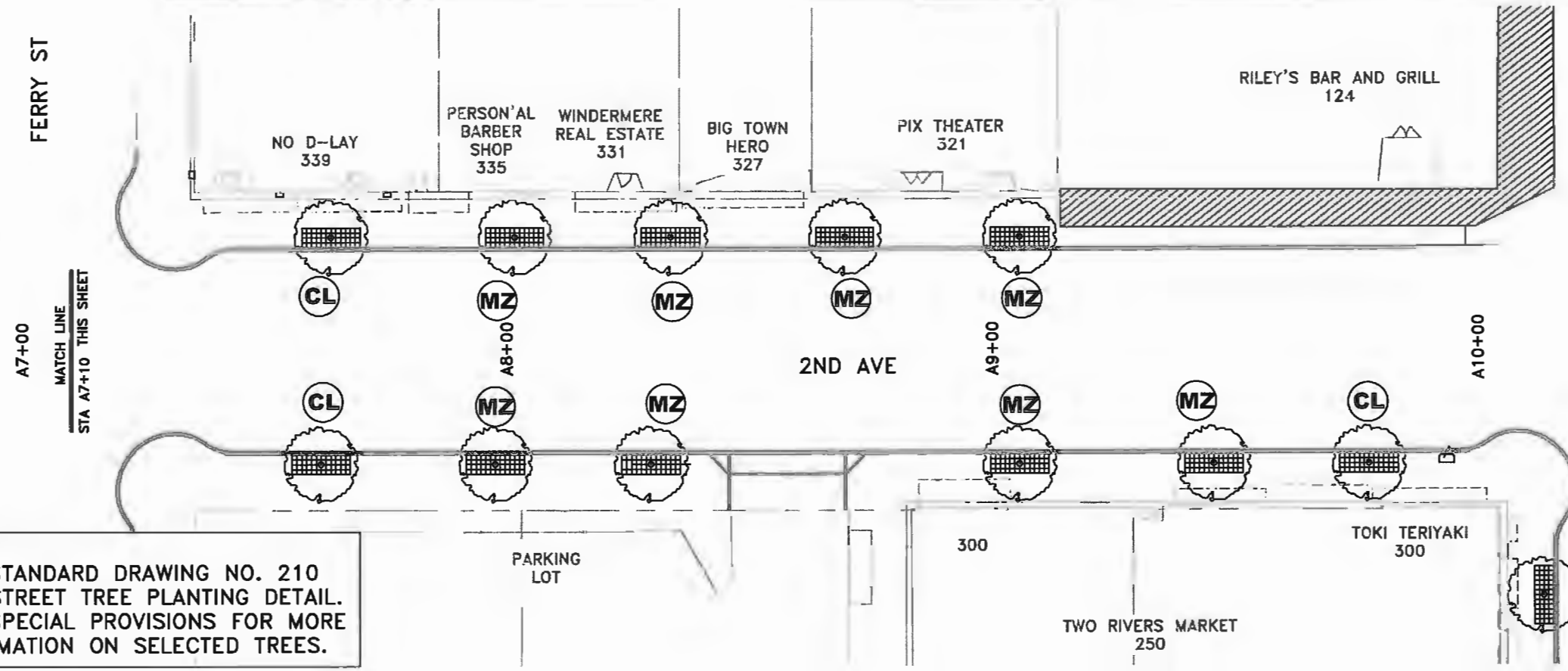
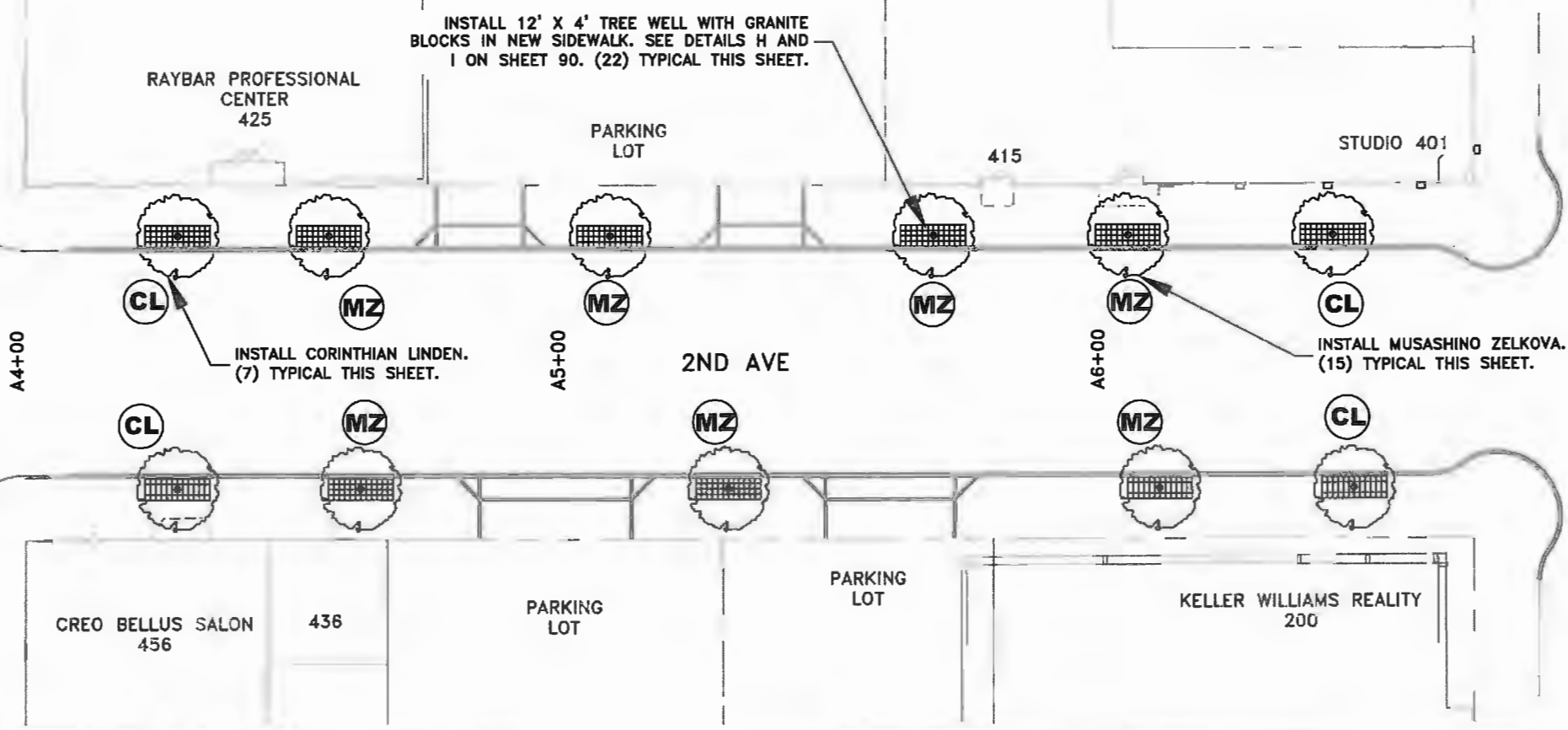
CL CORINTHIAN LINDEN
MZ MUSASHINO ZELKOVA

WASHINGTON ST

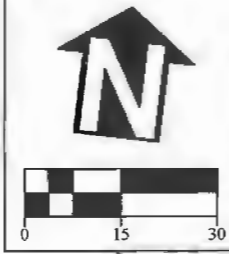
FERRY ST

FERRY ST

BROADALBIN ST



NOTES:
 1. SEE STANDARD DRAWING NO. 210 FOR STREET TREE PLANTING DETAIL.
 2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON SELECTED TREES.



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

MATCH LINE
 STA A7+10 THIS SHEET

MATCH LINE
 STA A7+10 THIS SHEET

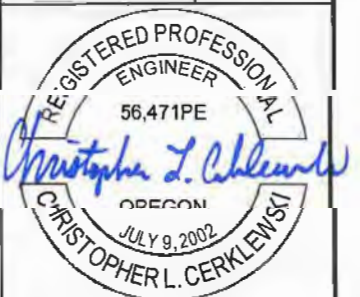
MATCH LINE
 STA A10+45 SHEET 75

SEE SHEET 76

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

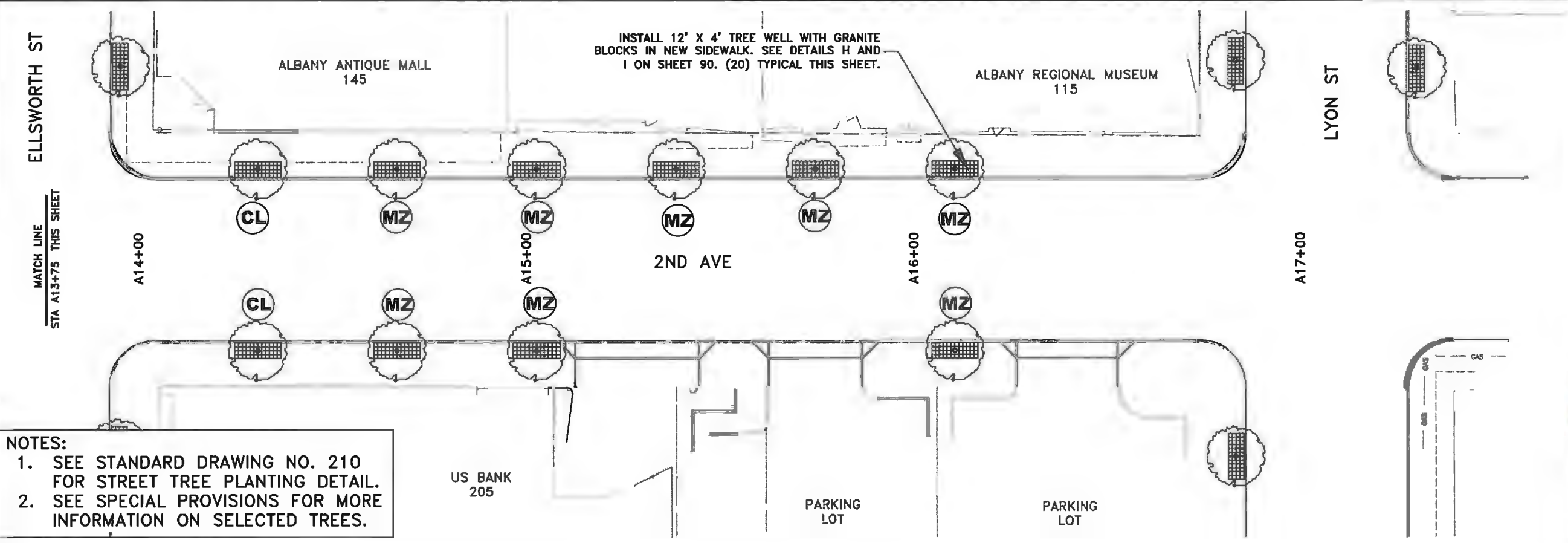
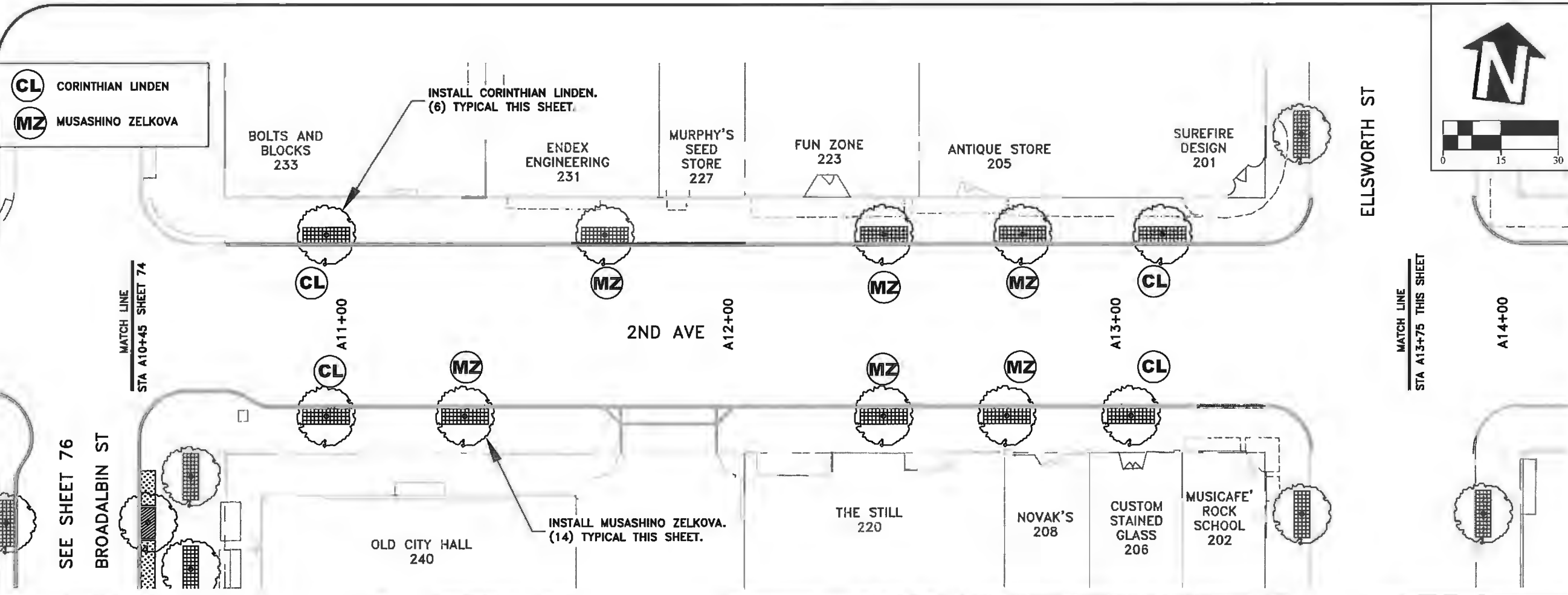


ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
2ND AVENUE TREE INSTALLATION PLAN

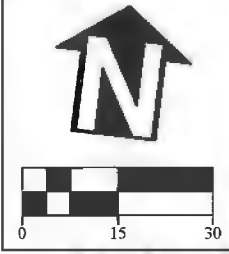


EXPIRATION DATE: 12/31/2017
 SHEET NO. 74 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

CL CORINTHIAN LINDEN
MZ MUSASHINO ZELKOVA



NOTES:
 1. SEE STANDARD DRAWING NO. 210 FOR STREET TREE PLANTING DETAIL.
 2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON SELECTED TREES.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: -
CHECKED: C. CERKLEWSKI	BY: -
DATE: 4/11/2017	DATE: -

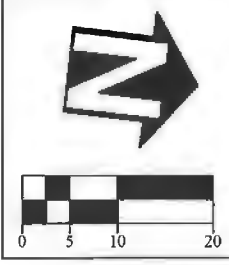
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
2ND AVENUE TREE INSTALLATION PLAN

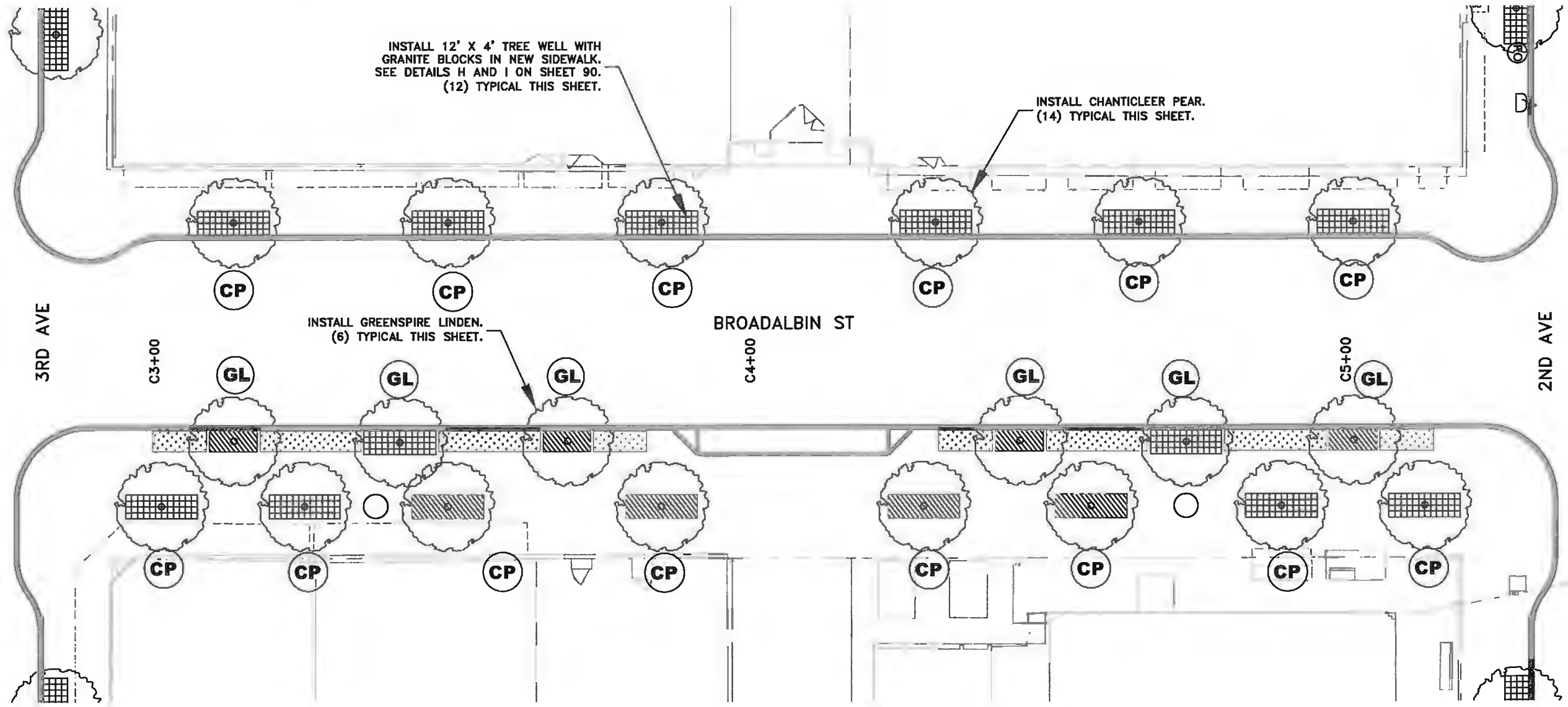
REGISTERED PROFESSIONAL ENGINEER
 56,471PE
Christopher L. Cerkowski
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 75 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG




- GL** GREENSPIRE LINDEN
- CP** CHANTICLEER PEAR



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
BROADALBIN TREE INSTALLATION PLAN



EXPIRATION DATE: 12/31/2017
 SHEET NO. 76 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

ALL STORMWATER QUALITY PLANTERS SHALL BE LINED. SEE STANDARD DRAWING NO. 604B.

BROADALBIN ST



3RD AVE

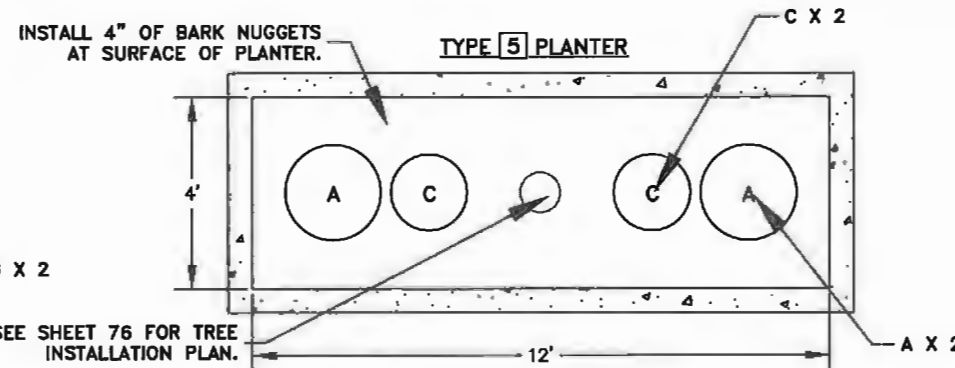
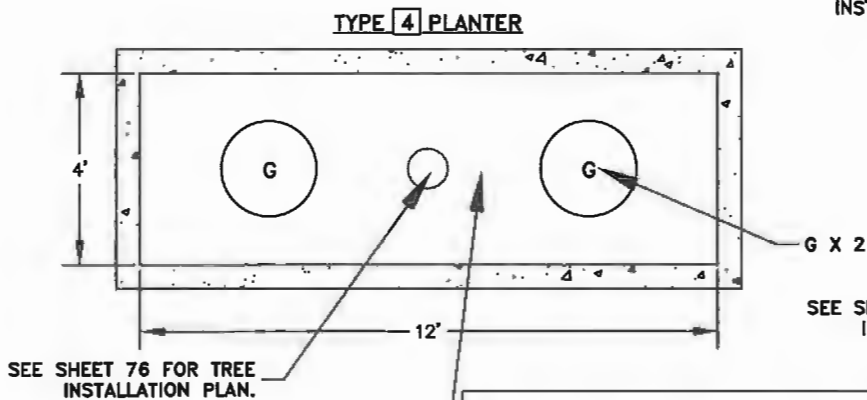
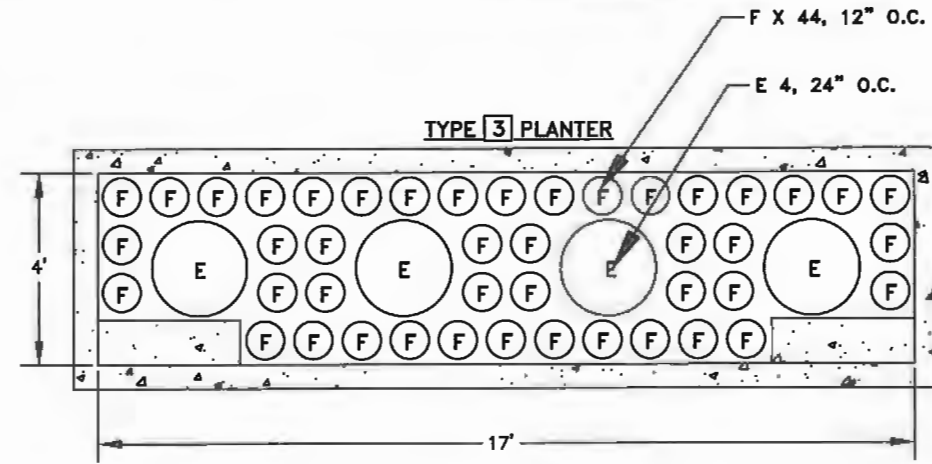
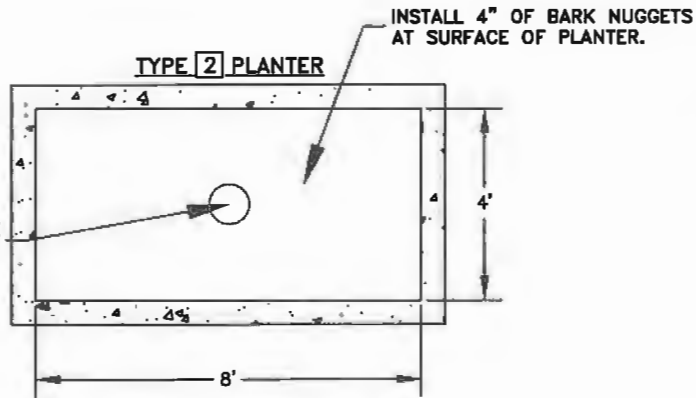
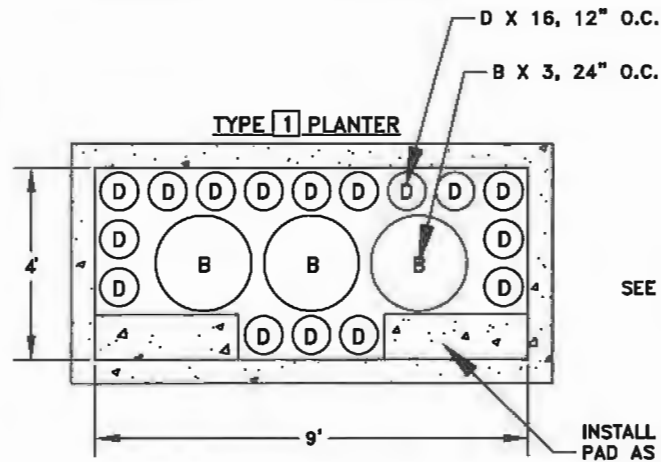
2ND AVE

PLANTER LEGEND



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: 1
CHECKED: C. CERKLEWSKI	BY: 1
DATE: 4/11/2017	NO: 1
	DATE: 1

PLANTING DETAILS



RAISED PLANTER

RAISED PLANTERS SHALL BE THE FOLLOWING, OR APPROVED EQUAL.

MANUFACTURER: DAWN ENTERPRISES
 MODEL NUMBER: PC48R
 SIZE: 4' DIAMETER
 MATERIAL: CONCRETE
 COLOR: CHARCOAL

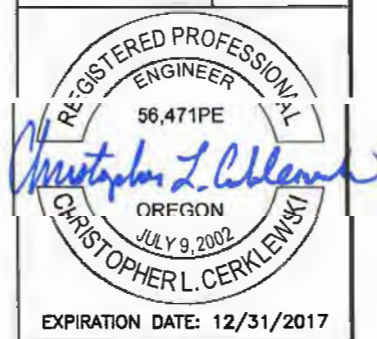


BROADALBIN PLANTING SCHEDULE

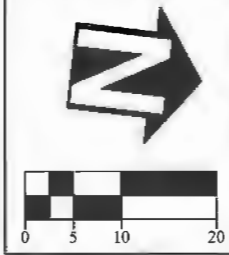
LETTER SYMBOL	TOTAL QTY	SIZE	BOTANICAL NAME	COMMON NAME
A	4	5 GAL.	CHAMAECYPARIS OBTUSA 'NANA LUTEA'	GOLDEN DWARF HINOKI CYPRESS
B	12	1 GAL.	CORNUS SERICEA 'KELSEYI'	KELSEY DOGWOOD
C	4	3 GAL.	THUJA PLICATA 'GRUNE KUGEL'	GRUNE KUGEL WESTERN RED CEDAR
D	64	4-INCH	CAREX DENSA	DENSE SEDGE
E	16	1 GAL.	SPIRAEA JAPONICA 'GOLDMOUND'	GOLDMOUND SPIREA
F	176	4-INCH	JUNCUS PATENS 'ELK BLUE'	ELK BLUE GRAY RUSH
G	4	5 GAL.	MAHONIA AQUIFOLIUM 'NANA'	DWARF OREGON GRAPE

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 BROADALBIN PLANTING DETAILS

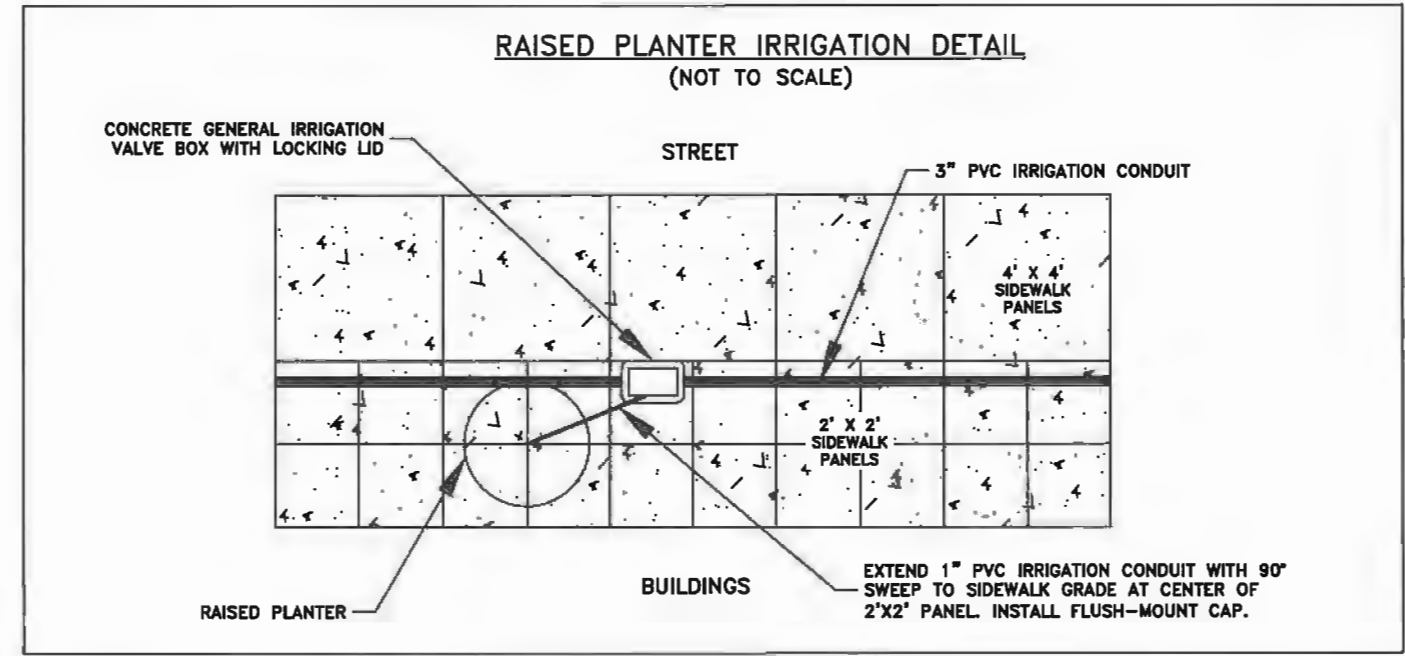
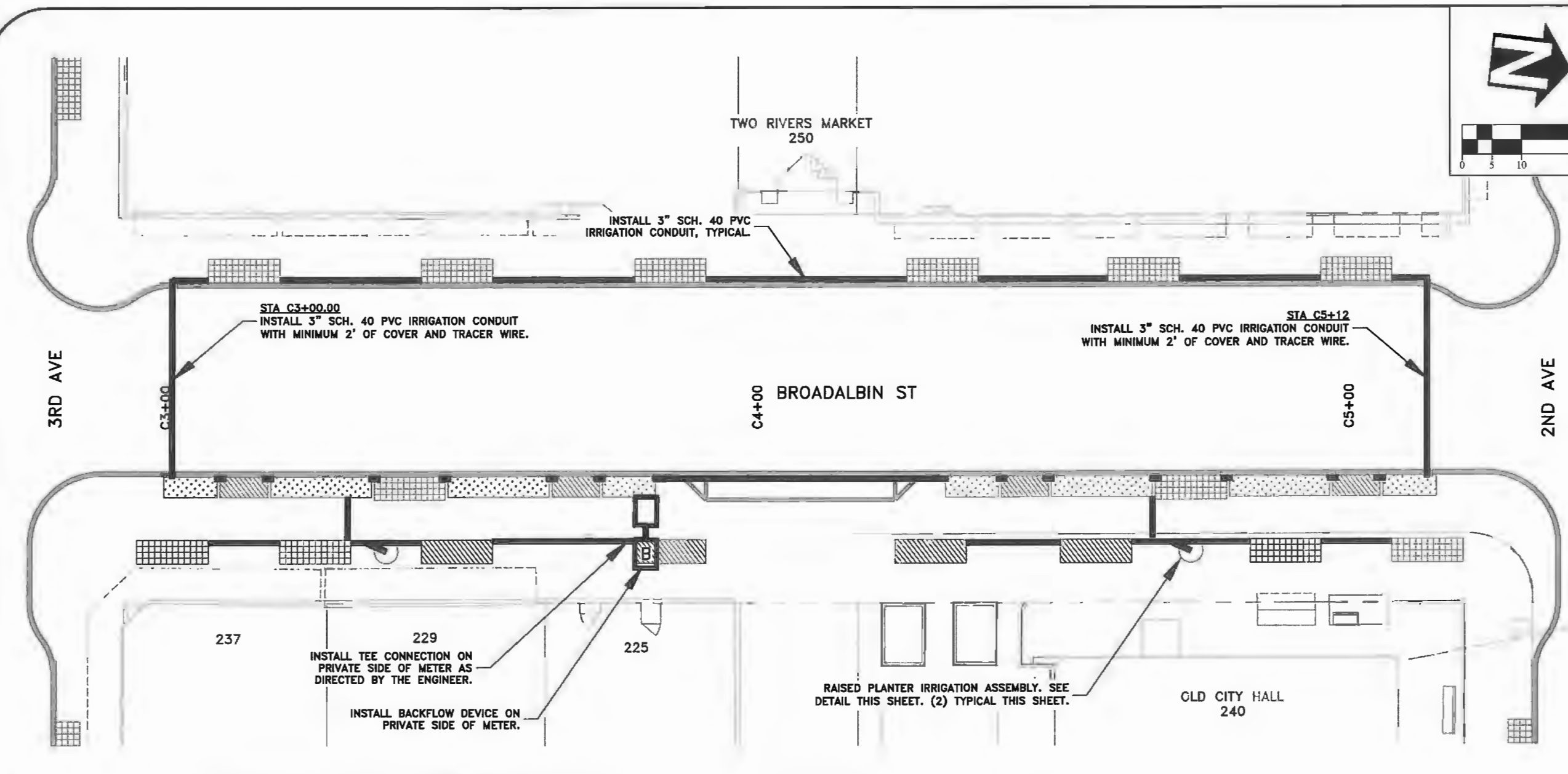


EXPIRATION DATE: 12/31/2017
 SHEET NO. 77 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:



- IRRIGATION NOTES:**
1. ALL IRRIGATION CONDUIT SHALL BE INSTALLED PER PLAN.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF IRRIGATION SYSTEM. CONTRACTOR SHALL SUBMIT IRRIGATION DESIGN TO THE ENGINEER FOR APPROVAL.
 3. ALL 3" SCHEDULE 40 PVC IRRIGATION CONDUIT SHALL HAVE 1' OF COVER UNLESS OTHERWISE NOTED.
 4. USE SELECT BACKFILL FOR ALL TRENCHES

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
BROADALBIN IRRIGATION PLAN



EXPIRATION DATE: 12/31/2017

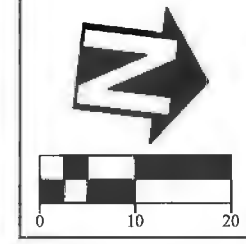
SHEET NO. 78 OF 192

PROJECT NO: ST-15-03-B

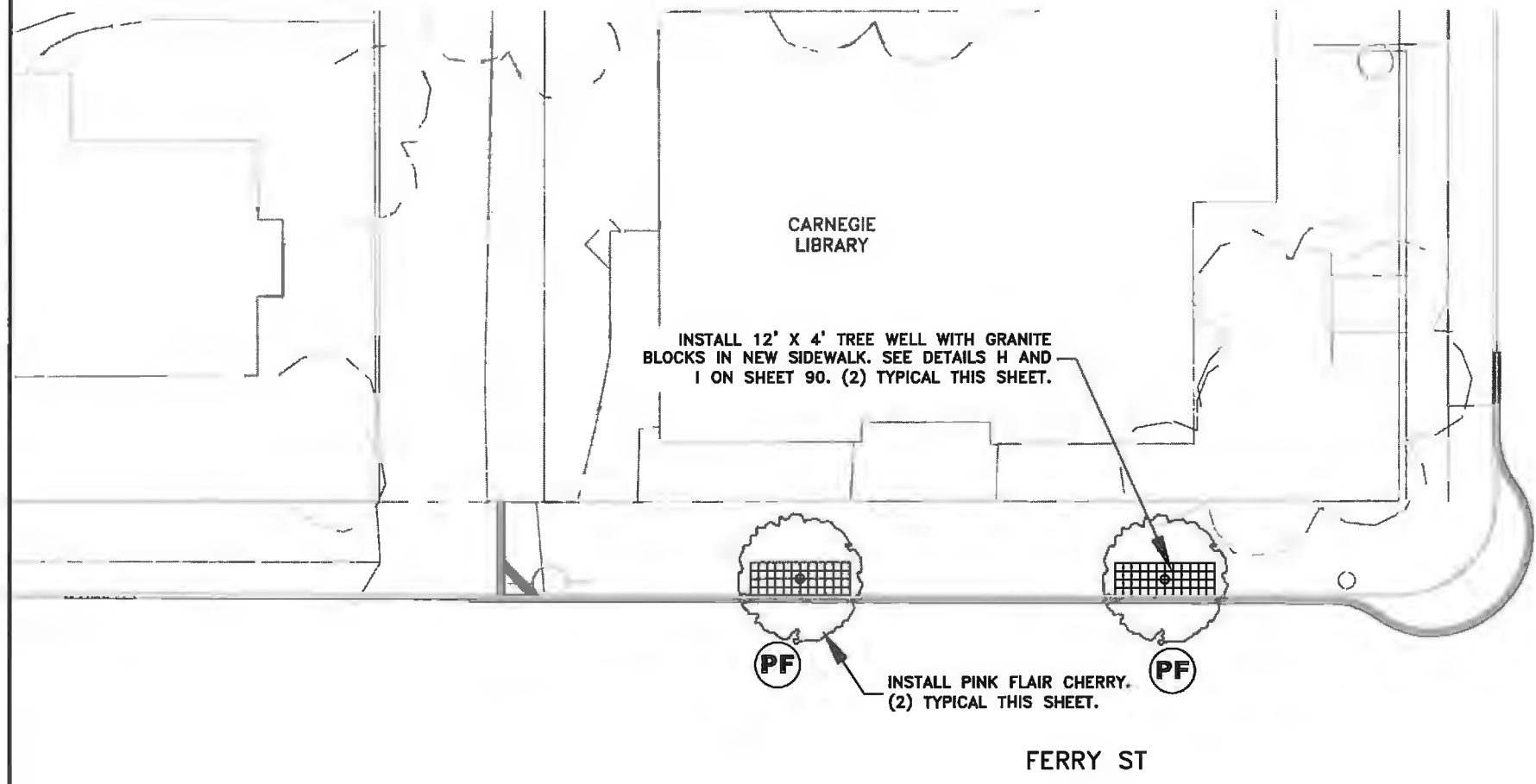
FILE: BASE.DWG

ITEMS ON THIS SHEET
SHALL BE PAID FOR
UNDER SCHEDULE C

PF PINK FLAIR CHERRY



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: -- BY: --
CHECKED: C. CERKLEWSKI	DATE: --
DATE: 4/11/2017	



B0+00
3RD AVE

MATCH LINE
STA B1+85 SHEET 80

NOTES:
1. SEE STANDARD DRAWING NO. 210 FOR STREET TREE PLANTING DETAIL.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON SELECTED TREES.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
CARNEGIE LIBRARY TREE INSTALLATION PLAN



EXPIRATION DATE: 12/31/2017

SHEET NO. 79 OF 192

PROJECT NO: ST-15-03-B

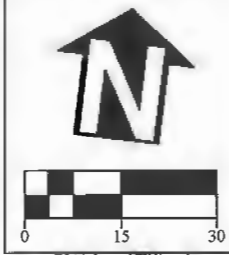
FILE: BASE.DWG

CL CORINTHIAN LINDEN
MZ MUSASHINO ZELKOVA

INSTALL 12' X 4' TREE WELL WITH GRANITE BLOCKS IN NEW SIDEWALK. SEE DETAILS H AND I ON SHEET 90. (19) TYPICAL THIS SHEET.

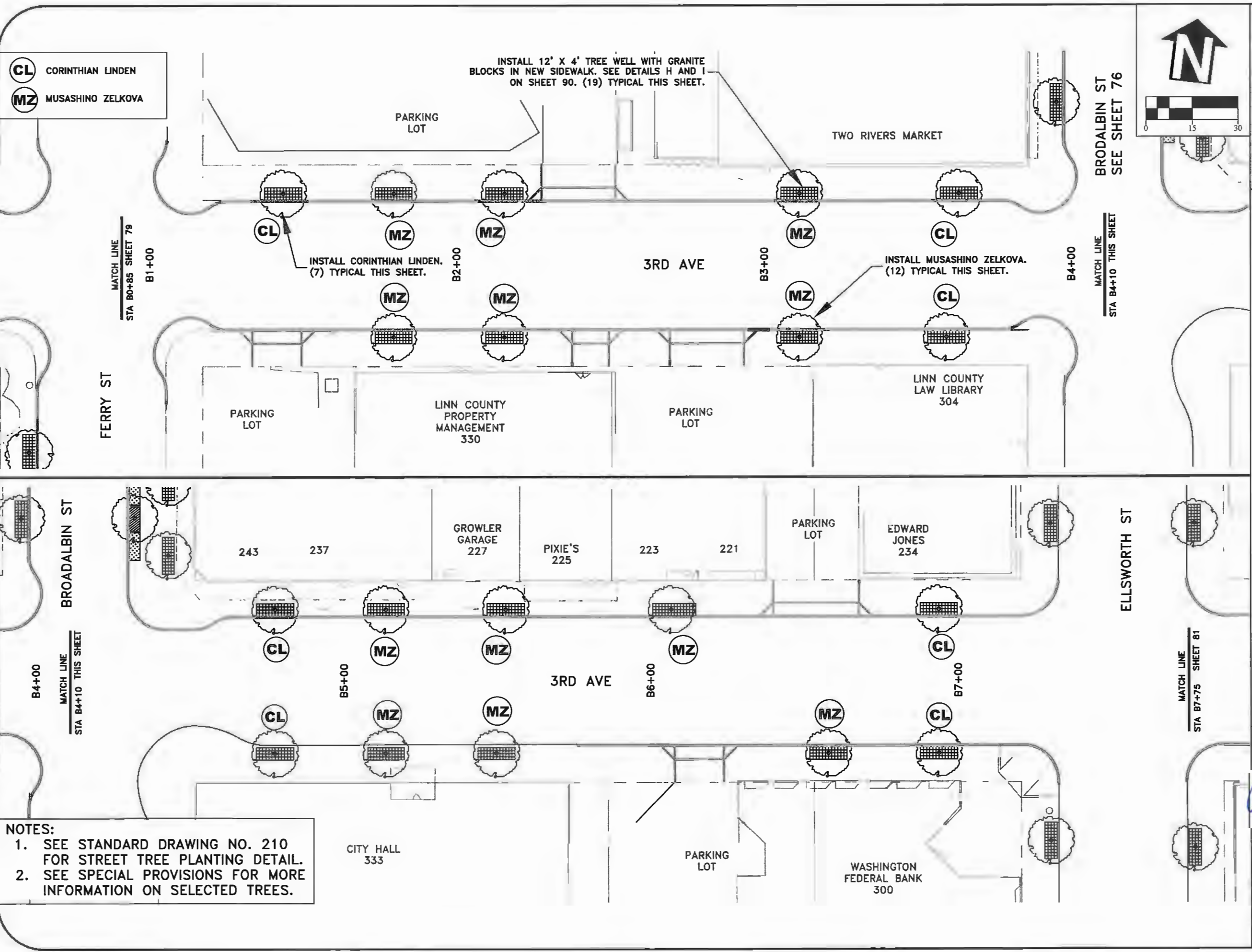
INSTALL CORINTHIAN LINDEN. (7) TYPICAL THIS SHEET.

INSTALL MUSASHINO ZELKOVA. (12) TYPICAL THIS SHEET.



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:



NOTES:
 1. SEE STANDARD DRAWING NO. 210 FOR STREET TREE PLANTING DETAIL.
 2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON SELECTED TREES.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
3RD AVENUE TREE INSTALLATION PLAN

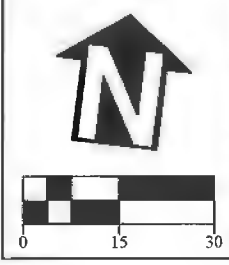


EXPIRATION DATE: 12/31/2017

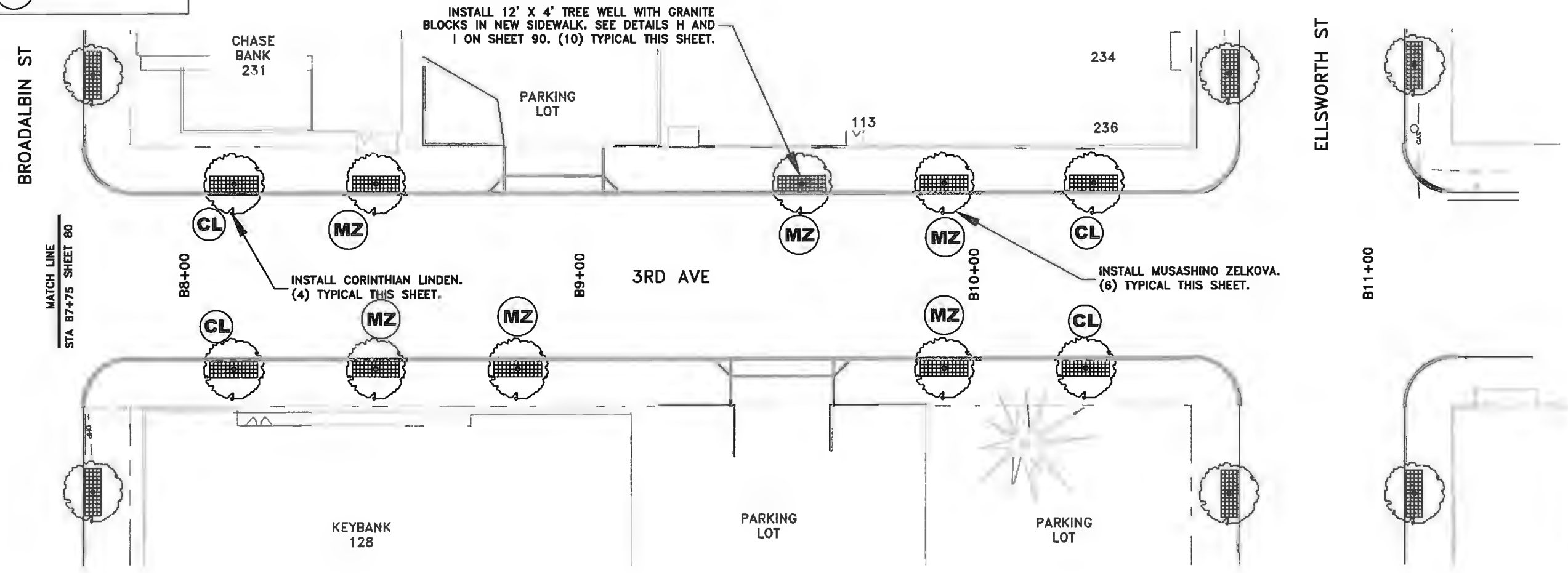
SHEET NO. 80 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG



- CL** CORINTHIAN LINDEN
- MZ** MUSASHINO ZELKOVA



- NOTES:**
1. SEE STANDARD DRAWING NO. 210 FOR STREET TREE PLANTING DETAIL.
 2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON SELECTED TREES.

DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
3RD AVENUE TREE INSTALLATION PLAN

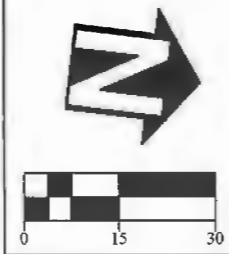


EXPIRATION DATE: 12/31/2017

SHEET NO. 81 OF 192

PROJECT NO: ST-15-03-B

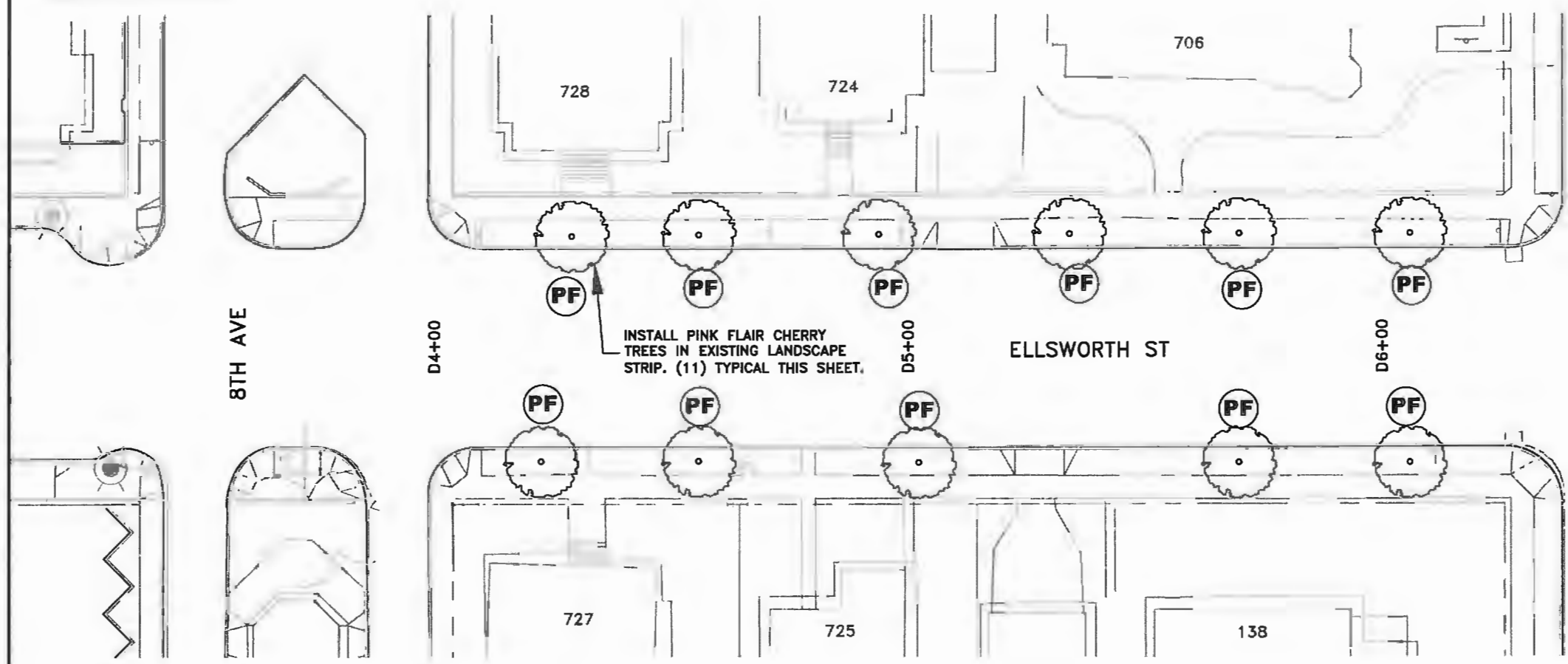
FILE: BASE.DWG



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO:	BY:

PF PINK FLAIR CHERRY



7TH AVE
 MATCH LINE
 STA D6+60 SHEET 83

NOTES:
 1. SEE STANDARD DRAWING NO. 210 FOR STREET TREE PLANTING DETAIL.
 2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON SELECTED TREES.

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 ELLSWORTH STREET TREE INSTALLATION PLAN



EXPIRATION DATE: 12/31/2017

SHEET NO. 82 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

- PF** PINK FLAIR CHERRY
- CL** CORINTHIAN LINDEN
- MZ** MUSASHINO ZELKOVA

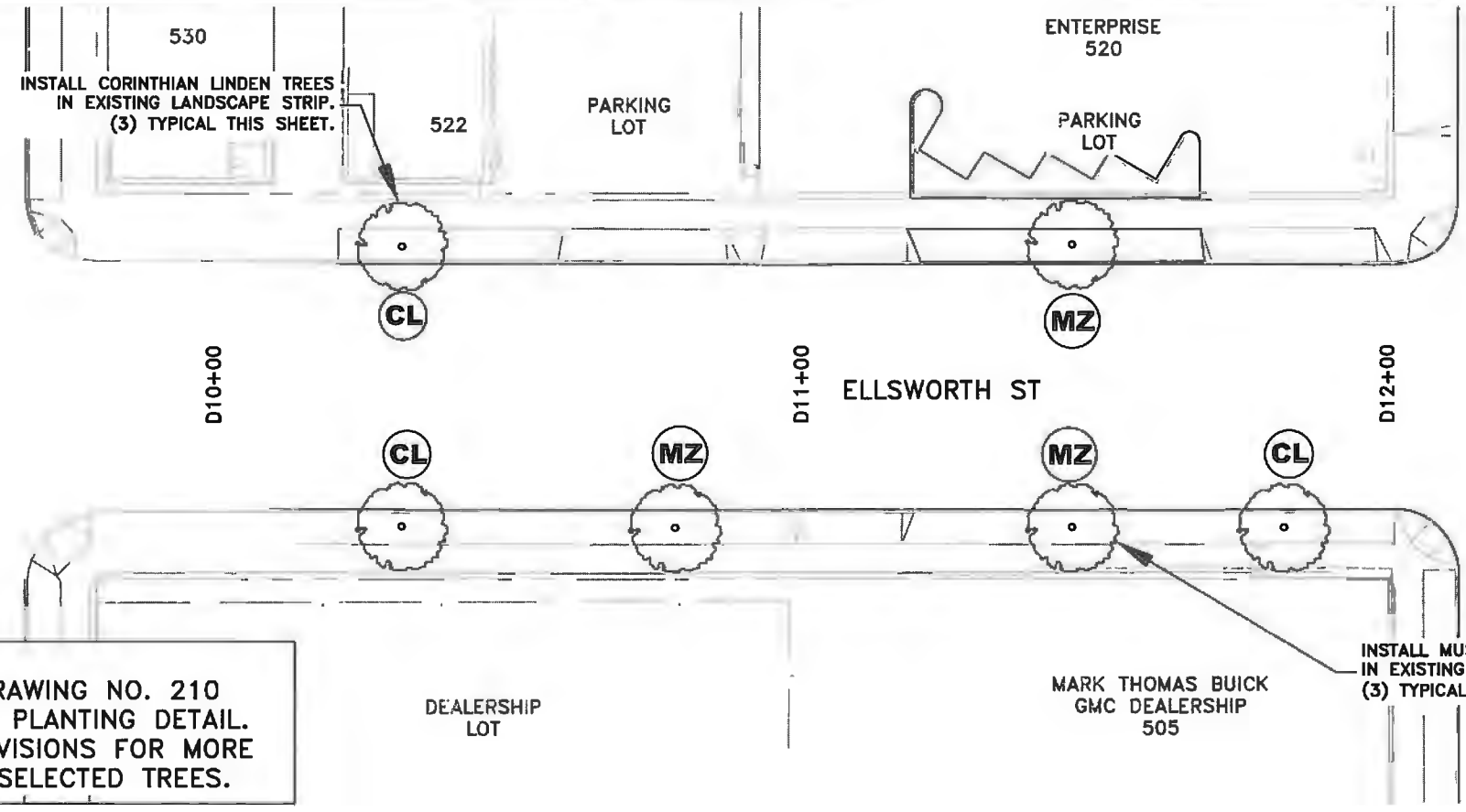
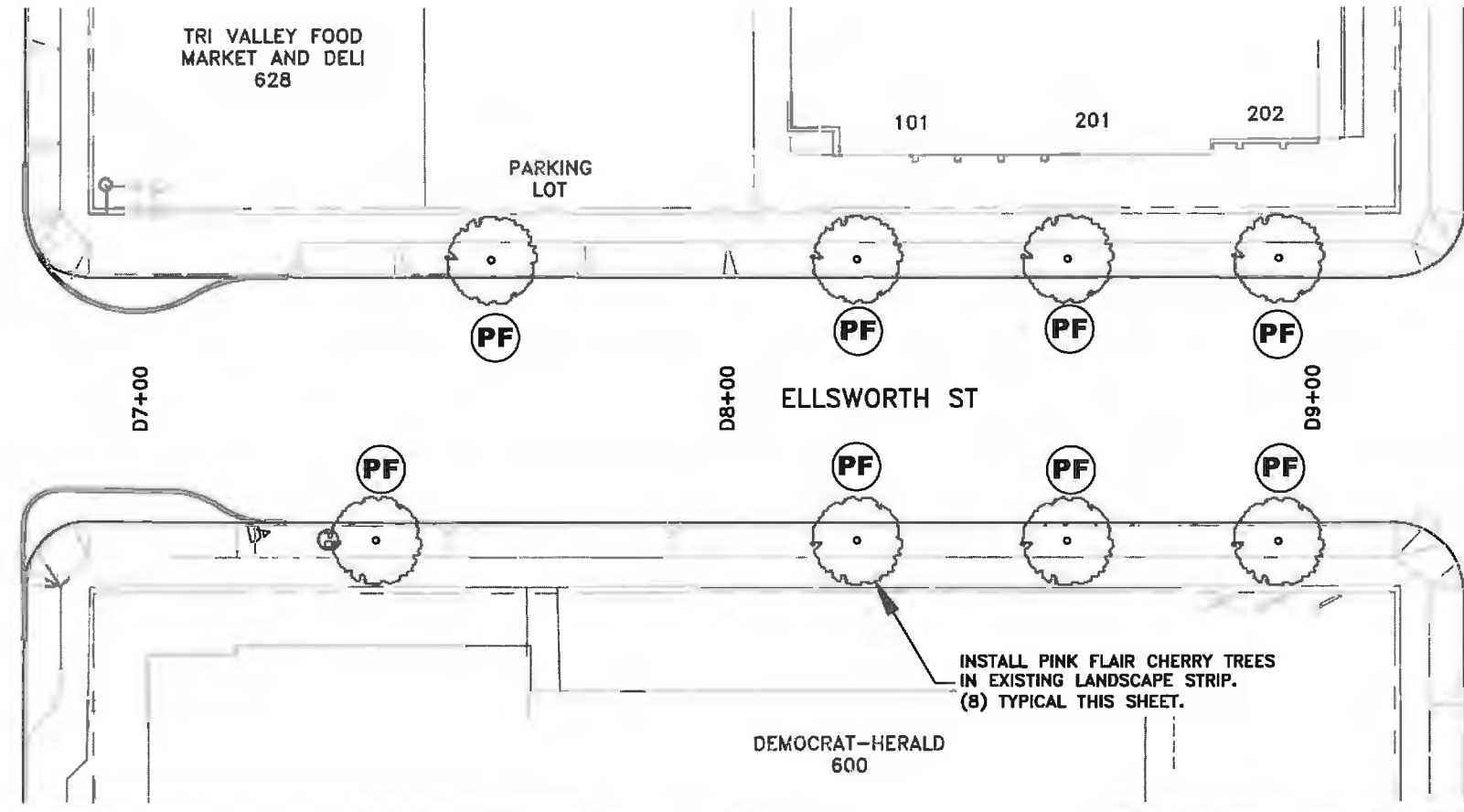
MATCH LINE
STA D6+60 SHEET 82

7TH AVE

6TH AVE

MATCH LINE
STA D9+40 THIS SHEET

NOTES:
 1. SEE STANDARD DRAWING NO. 210 FOR STREET TREE PLANTING DETAIL.
 2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON SELECTED TREES.

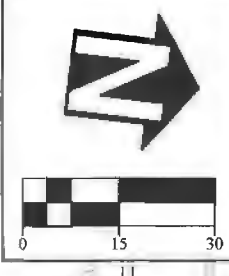


6TH AVE

MATCH LINE
STA D9+40 THIS SHEET

5TH AVE

MATCH LINE
STA D12+30 SHEET 84



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 ELLSWORTH STREET TREE INSTALLATION PLAN



EXPIRATION DATE: 12/31/2017

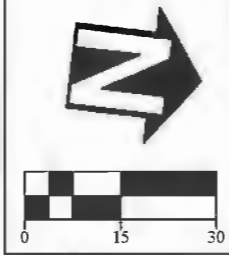
SHEET NO. 83 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

CL CORINTHIAN LINDEN
MZ MUSASHINO ZELKOVA

LINN COUNTY
 COURTHOUSE
 300

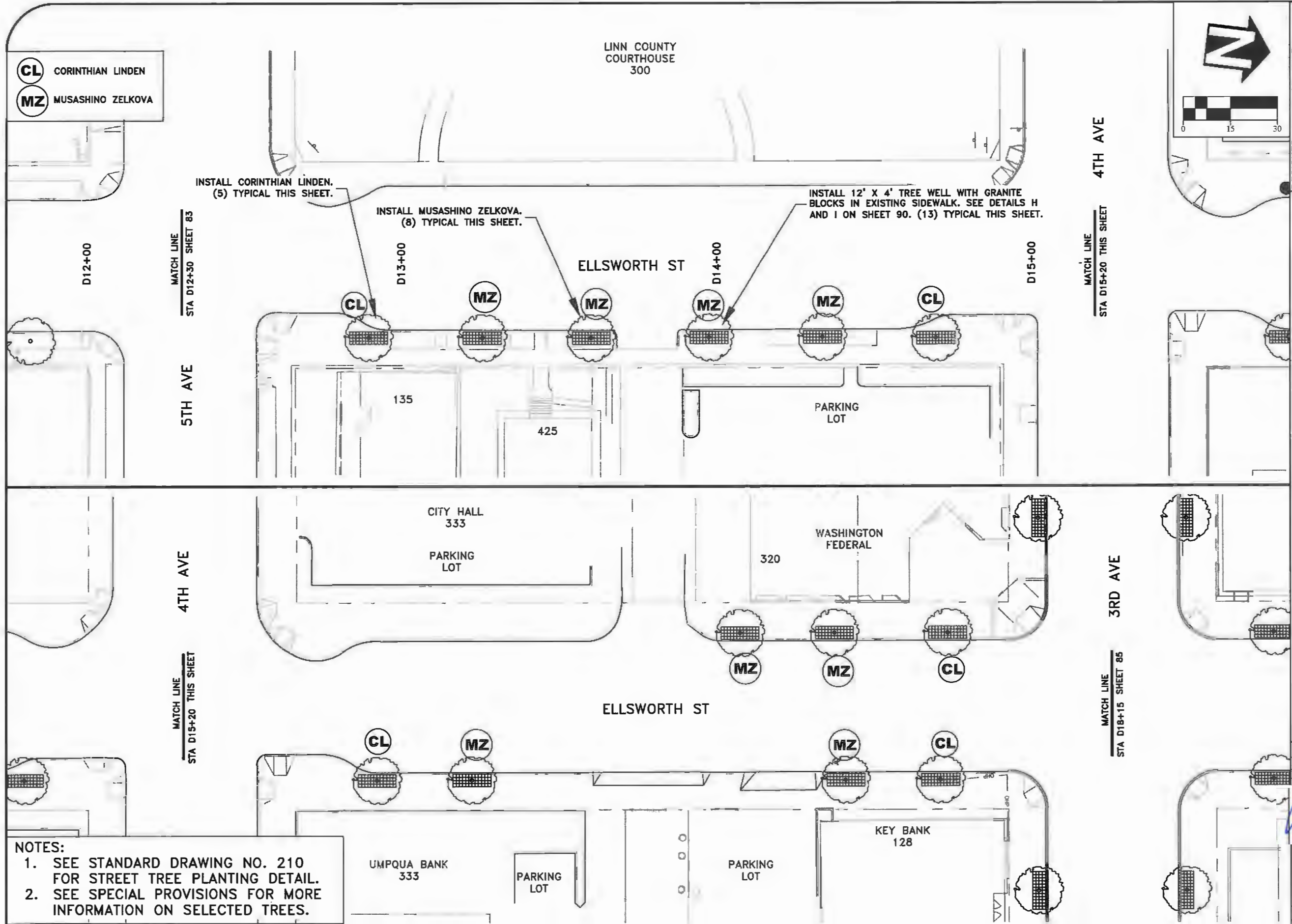


DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

INSTALL CORINTHIAN LINDEN.
 (5) TYPICAL THIS SHEET.

INSTALL MUSASHINO ZELKOVA.
 (8) TYPICAL THIS SHEET.

INSTALL 12' X 4' TREE WELL WITH GRANITE
 BLOCKS IN EXISTING SIDEWALK. SEE DETAILS H
 AND I ON SHEET 90. (13) TYPICAL THIS SHEET.



NOTES:
 1. SEE STANDARD DRAWING NO. 210
 FOR STREET TREE PLANTING DETAIL.
 2. SEE SPECIAL PROVISIONS FOR MORE
 INFORMATION ON SELECTED TREES.

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

Alberici

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 ELLSWORTH STREET TREE INSTALLATION PLAN



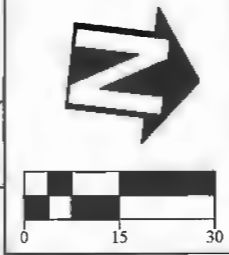
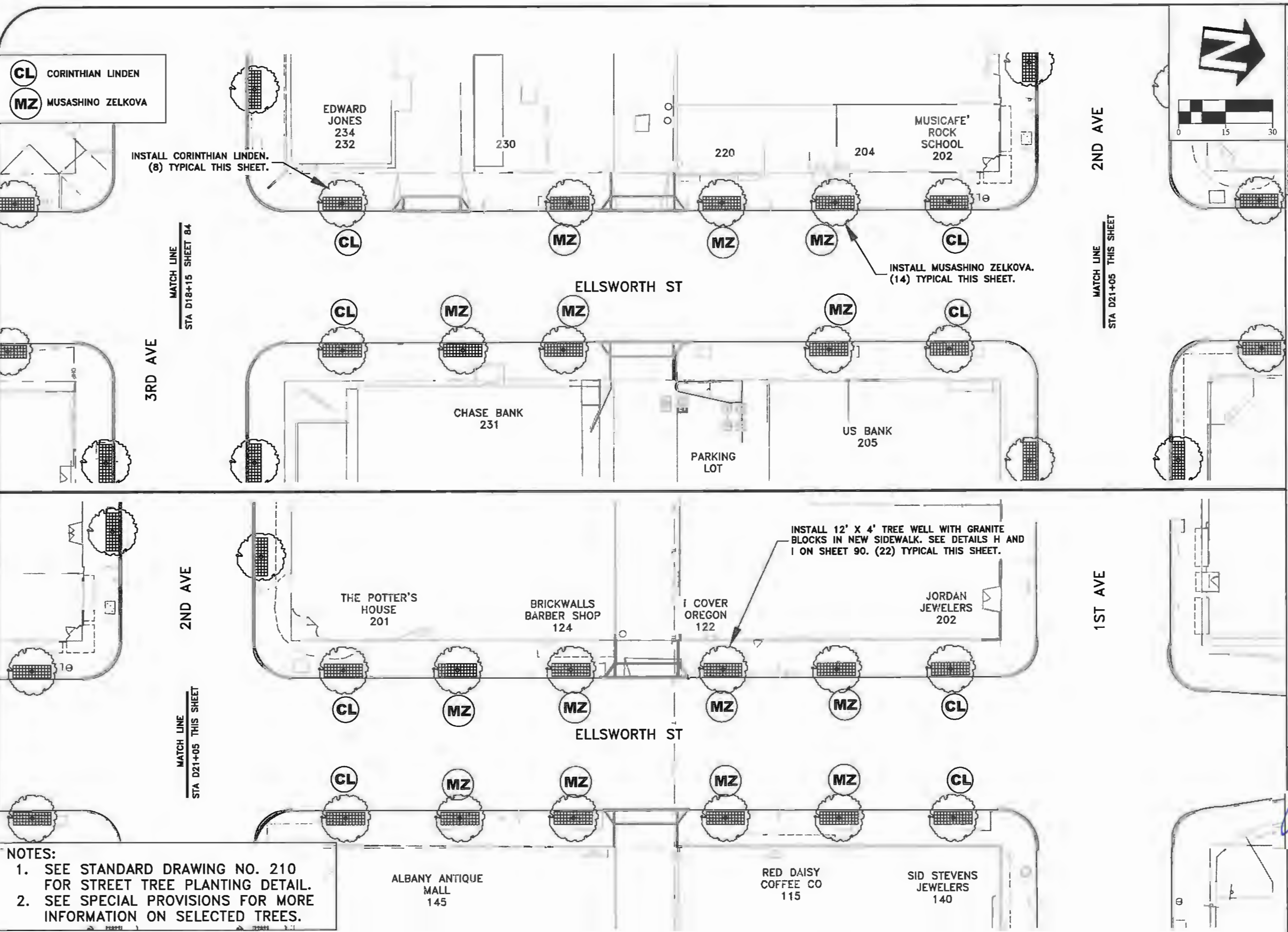
EXPIRATION DATE: 12/31/2017
 SHEET NO. 84 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

CL CORINTHIAN LINDEN
MZ MUSASHINO ZELKOVA

INSTALL CORINTHIAN LINDEN.
 (8) TYPICAL THIS SHEET.

INSTALL MUSASHINO ZELKOVA.
 (14) TYPICAL THIS SHEET.

INSTALL 12' X 4' TREE WELL WITH GRANITE
 BLOCKS IN NEW SIDEWALK. SEE DETAILS H AND
 I ON SHEET 90. (22) TYPICAL THIS SHEET.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

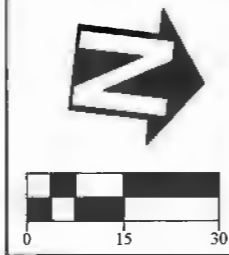
ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET TREE INSTALLATION PLAN

REGISTERED PROFESSIONAL
 ENGINEER
 56,471PE
Christopher L. Chlemin
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 85 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

NOTES:
 1. SEE STANDARD DRAWING NO. 210 FOR STREET TREE PLANTING DETAIL.
 2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON SELECTED TREES.

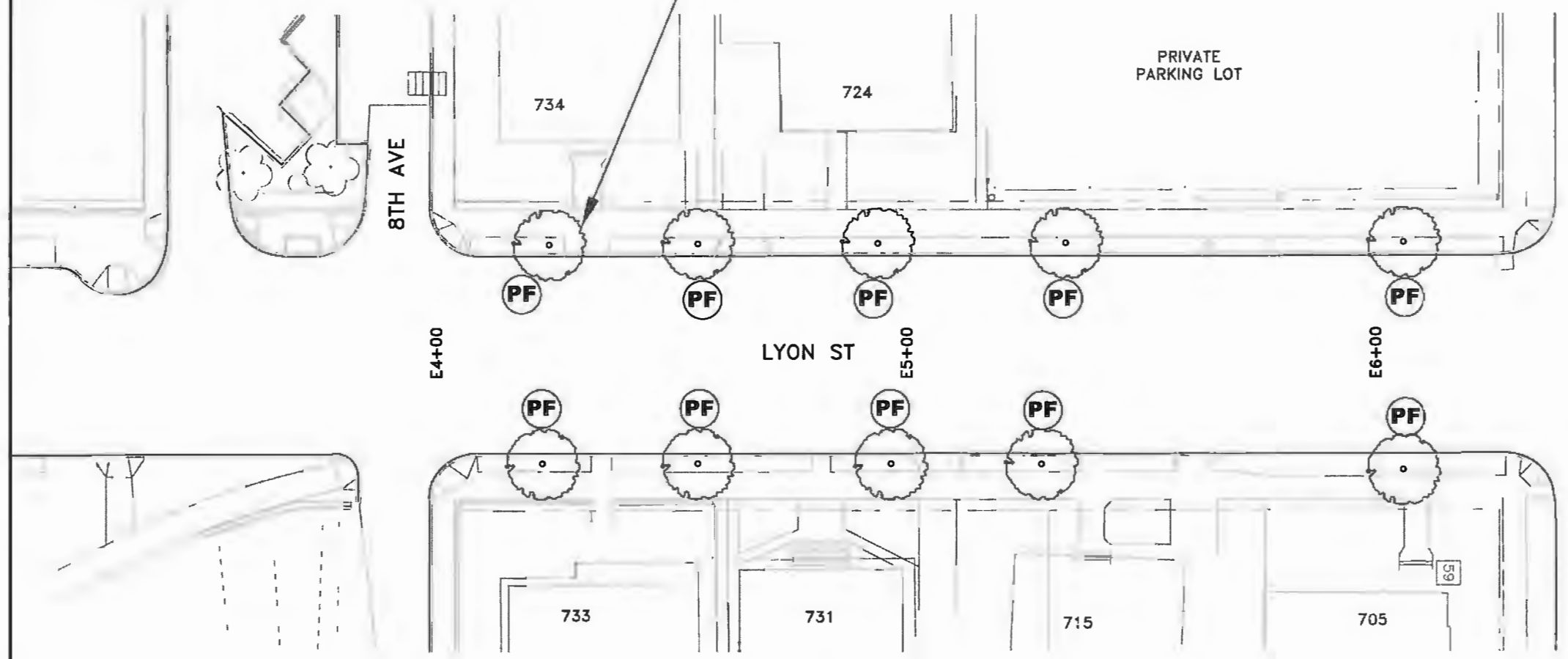


DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

PF PINK FLAIR CHERRY

INSTALL PINK FLAIR CHERRY TREES
 IN EXISTING LANDSCAPE STRIP. (10)
 TYPICAL THIS SHEET.



7TH AVE

MATCH LINE
 STA E6+60 SHEET 87

E7+00

NOTES:
 1. SEE STANDARD DRAWING NO. 210
 FOR STREET TREE PLANTING DETAIL.
 2. SEE SPECIAL PROVISIONS FOR MORE
 INFORMATION ON SELECTED TREES.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET TREE INSTALLATION PLAN



EXPIRATION DATE: 12/31/2017

SHEET NO. 86 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

PF PINK FLAIR CHERRY

MATCH LINE
STA E6+60 SHEET 86

7TH AVE

6TH AVE

MATCH LINE
STA E9+40 THIS SHEET

E7+00

PF

PF

PF

PF

PF

DEMOCRAT-HERALD
PARKING LOT

E8+00

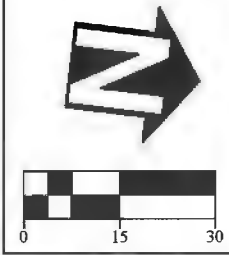
LYON ST

INSTALL PINK FLAIR
CHERRY TREE. (14)
TYPICAL THIS SHEET.

E9+00

MATCH LINE
STA E9+40 THIS SHEET

6TH AVE



DESIGNED: L. SCHUMACHER
DRAWN: L. SCHUMACHER
CHECKED: C. CERKLEWSKI
DATE: 4/11/2017

REVISIONS	
NO.	BY:

HASTY
FREEZE
655

ALBANY FIRE
STATION UNDER
CONSTRUCTION

DEALERSHIP LOT

INSTALL 12' X 4' TREE WELL WITH GRANITE
BLOCKS IN EXISTING SIDEWALK. SEE DETAILS H
AND I ON SHEET 90. (14) TYPICAL THIS SHEET.

PF

PF

PF

PF

PF

PF

PF

PF

PF

PF

LYON ST

E10+00

E11+00

E12+00

MATCH LINE
STA E12+30 SHEET 88

5TH AVE



E13+00

NOTES:
1. SEE STANDARD DRAWING NO. 210
FOR STREET TREE PLANTING DETAIL.
2. SEE SPECIAL PROVISIONS FOR MORE
INFORMATION ON SELECTED TREES.

517

505



PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET TREE INSTALLATION PLAN



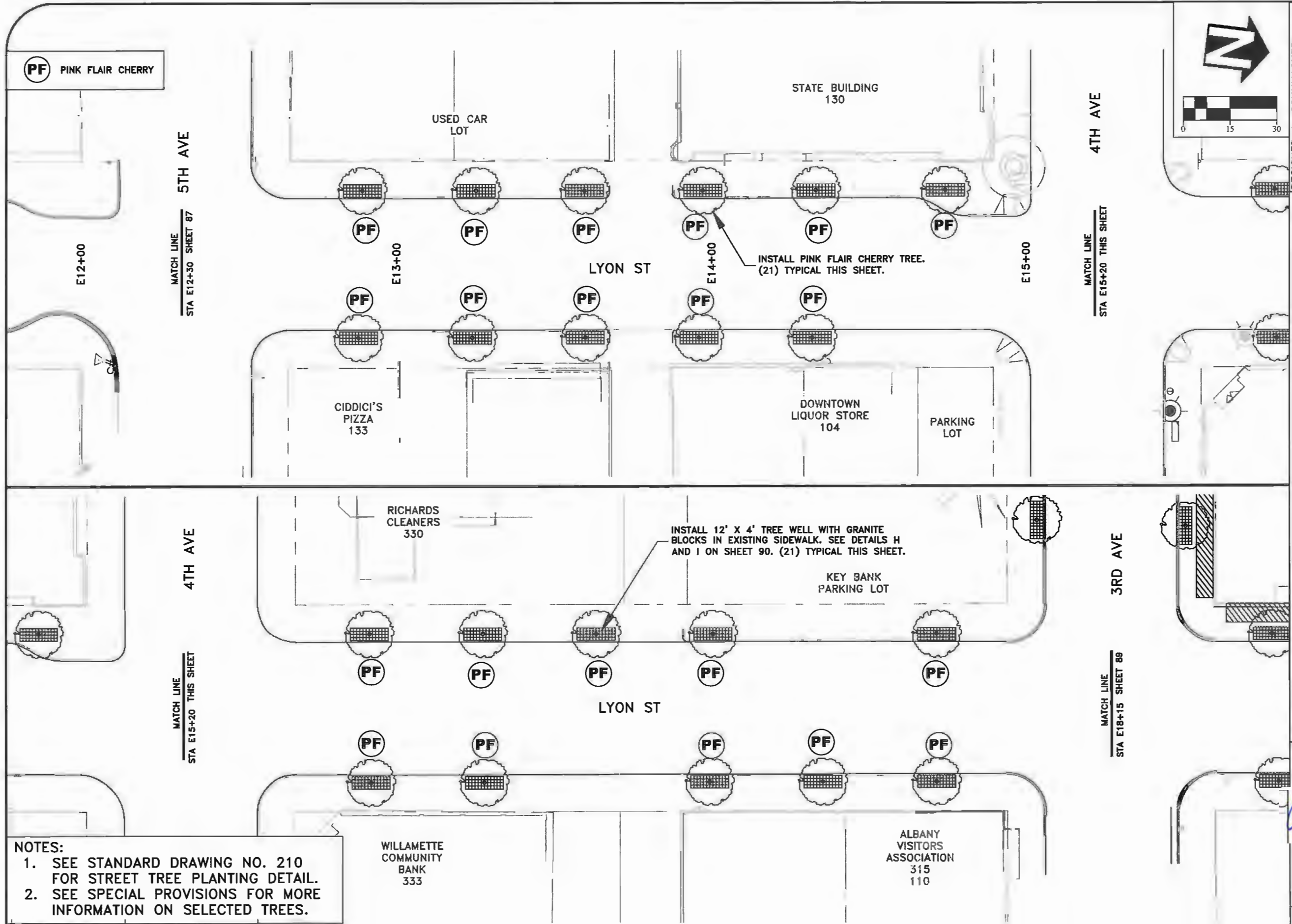
EXPIRATION DATE: 12/31/2017

SHEET NO. 87 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

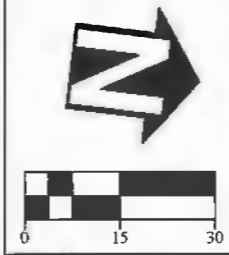
PF PINK FLAIR CHERRY



INSTALL PINK FLAIR CHERRY TREE.
(21) TYPICAL THIS SHEET.

INSTALL 12' X 4' TREE WELL WITH GRANITE
BLOCKS IN EXISTING SIDEWALK. SEE DETAILS H
AND I ON SHEET 90. (21) TYPICAL THIS SHEET.

NOTES:
 1. SEE STANDARD DRAWING NO. 210
 FOR STREET TREE PLANTING DETAIL.
 2. SEE SPECIAL PROVISIONS FOR MORE
 INFORMATION ON SELECTED TREES.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

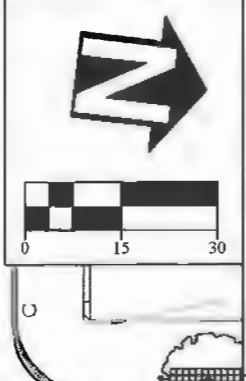
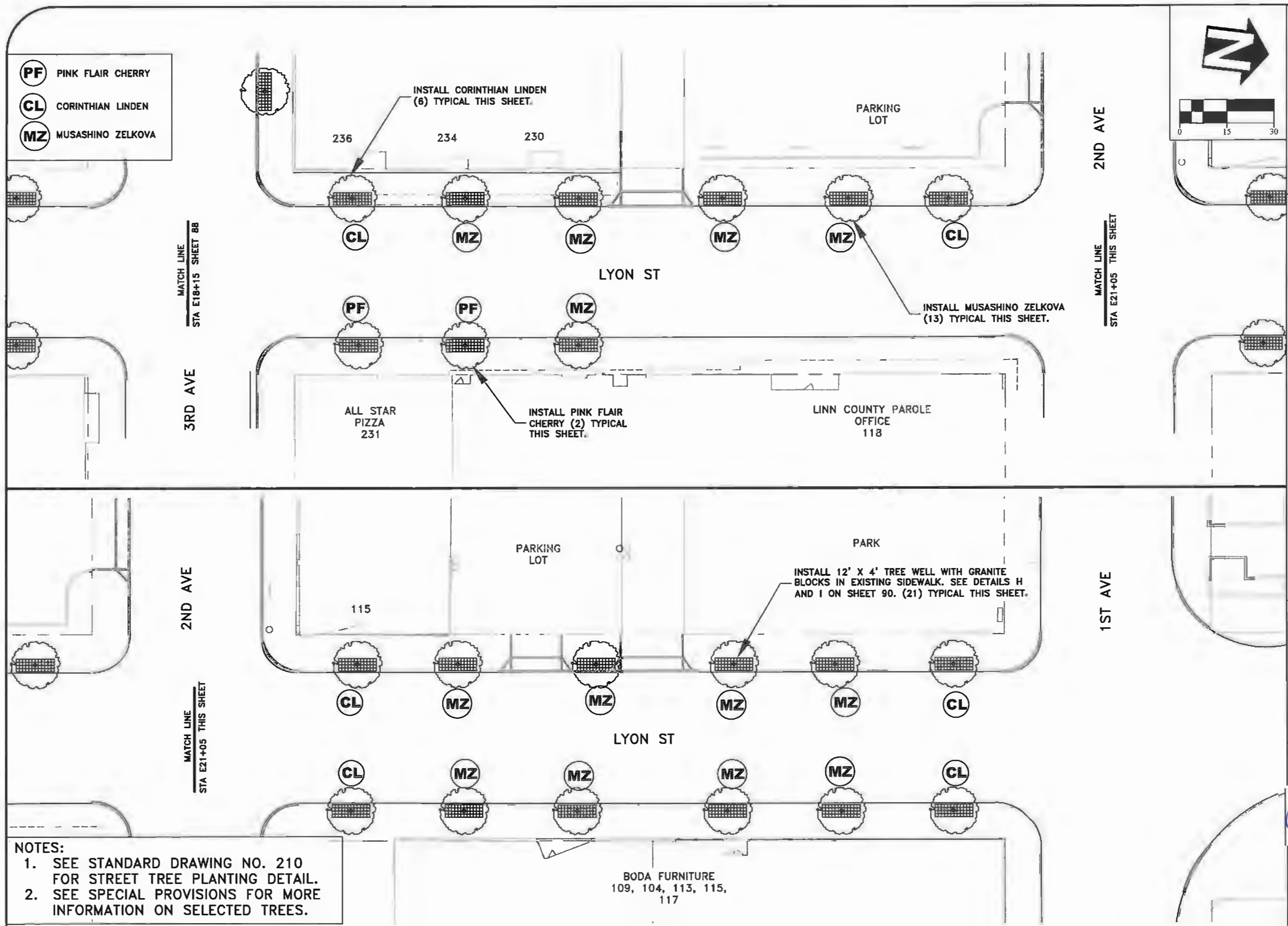
Albany

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET TREE INSTALLATION PLAN



EXPIRATION DATE: 12/31/2017
 SHEET NO. 88 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

- PF** PINK FLAIR CHERRY
- CL** CORINTHIAN LINDEN
- MZ** MUSASHINO ZELKOVA



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

MATCH LINE
 STA E18+15 SHEET 88

MATCH LINE
 STA E21+05 THIS SHEET

2ND AVE

1ST AVE

MATCH LINE
 STA E21+05 THIS SHEET

NOTES:
 1. SEE STANDARD DRAWING NO. 210 FOR STREET TREE PLANTING DETAIL.
 2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON SELECTED TREES.

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET TREE INSTALLATION PLAN

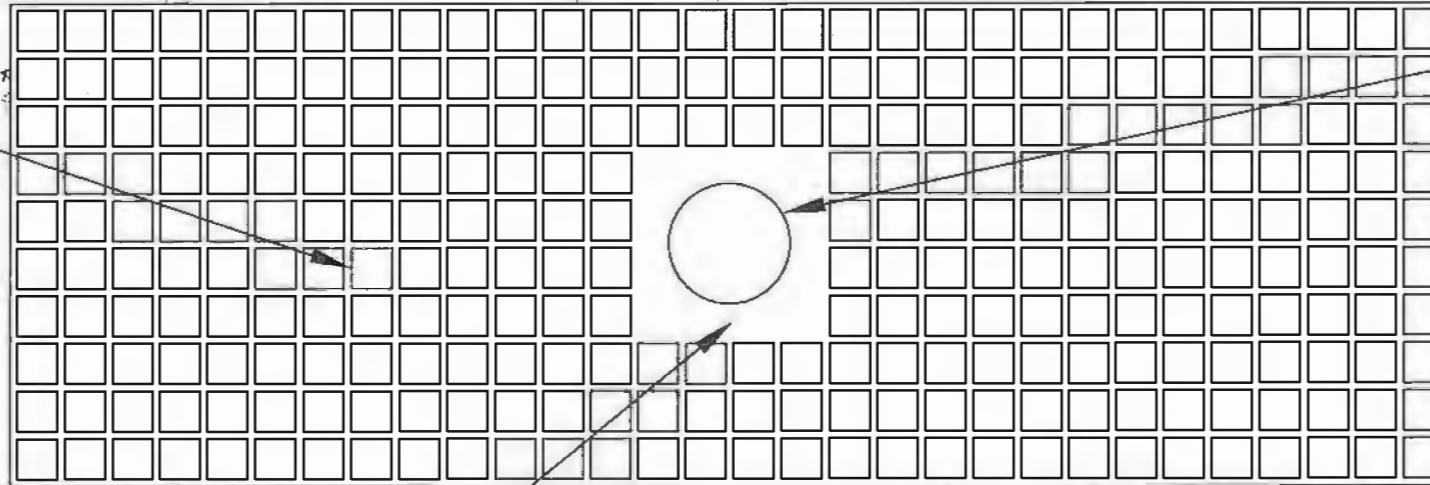


EXPIRATION DATE: 12/31/2017
 SHEET NO. 89 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

DETAIL H: TREE WELL PLAN VIEW

NOT TO SCALE

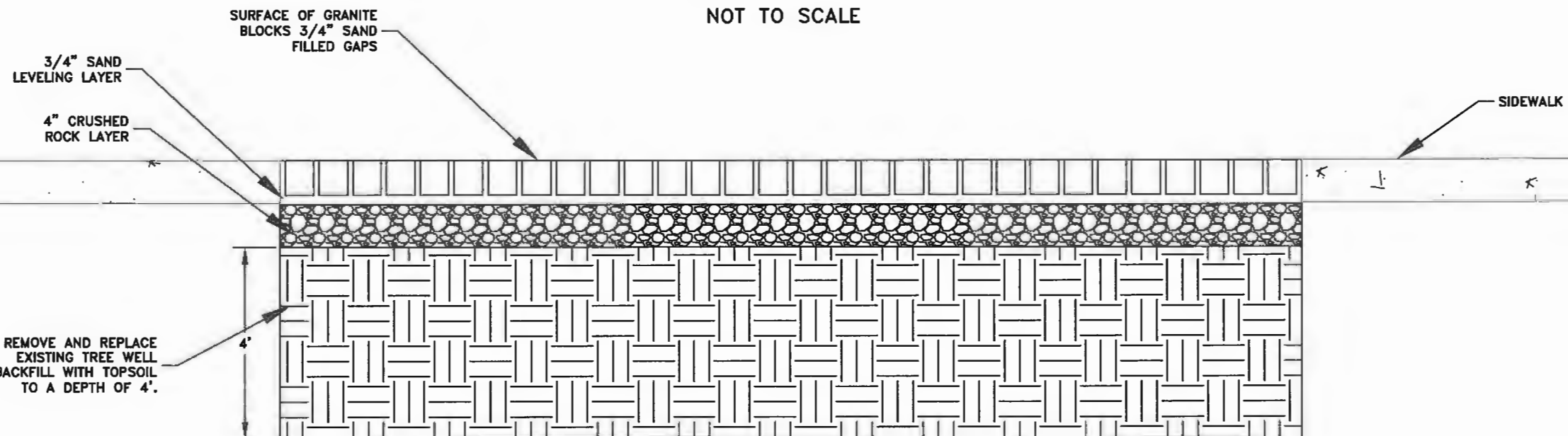
PLACE 4" X 4" X 3 1/8"
DARK GREY GRANITE
BLOCKS ON SURFACE OF
TREE WELL WITH 3/4"
SAND FILLED GAPS
BETWEEN EACH BLOCK.



LEAVE OPENING FOR
TREE APPROXIMATELY
1.5' X 1.5' IN SIZE.

DETAIL I: TREE WELL SECTION VIEW

NOT TO SCALE



DESIGNED: L. SCHUMACHER
DRAWN: L. SCHUMACHER
CHECKED: C. CERKLEWSKI
DATE: 4/11/2017

REVISIONS	
NO.	BY:

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
TREE WELL DETAILS



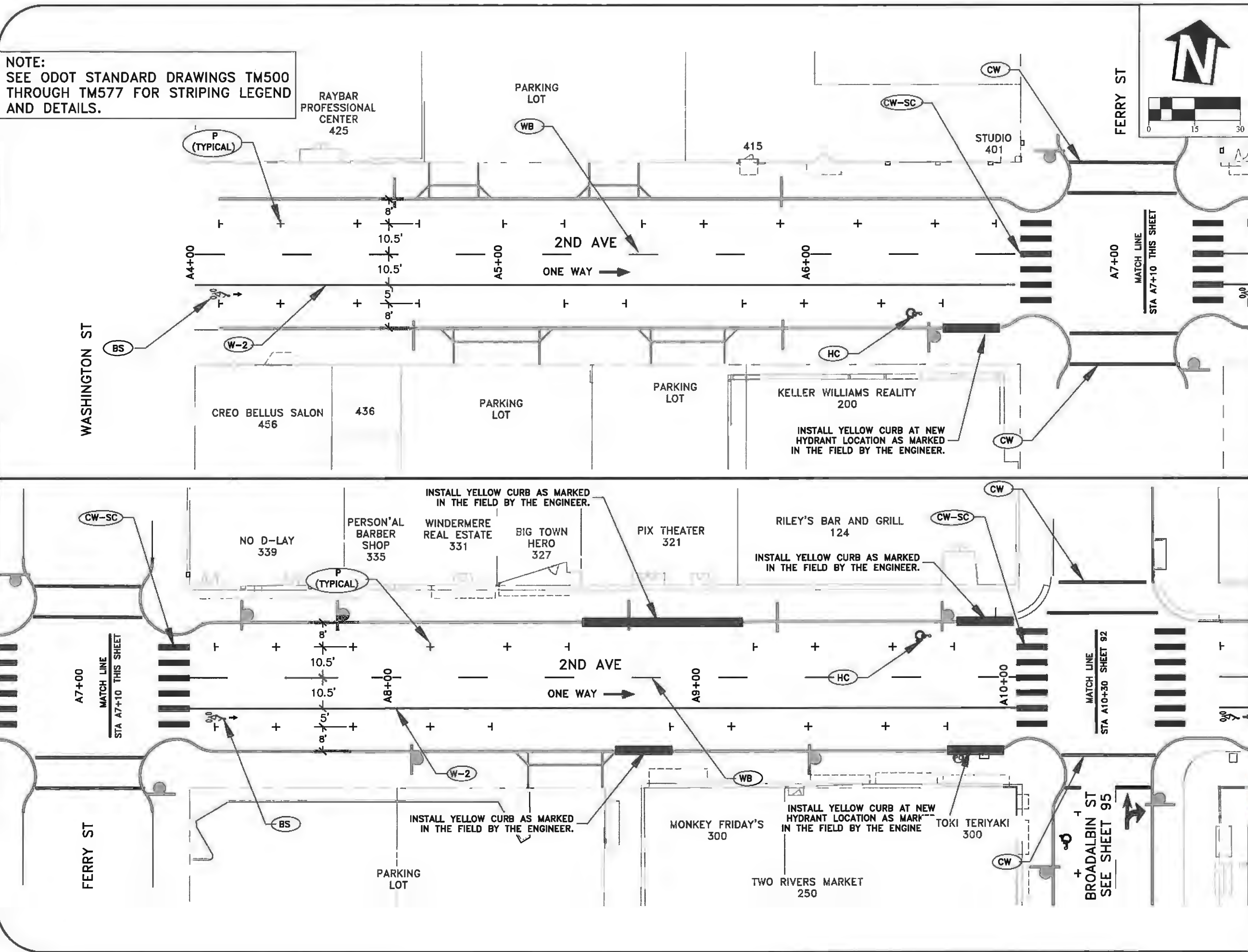
EXPIRATION DATE: 12/31/2017

SHEET NO. 90 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

NOTE:
SEE ODOT STANDARD DRAWINGS TM500
THROUGH TM577 FOR STRIPING LEGEND
AND DETAILS.



DESIGNED: L. SCHUMACHER	REVISIONS:
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

Albany

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
2ND AVENUE STRIPING PLAN**

REGISTERED PROFESSIONAL
ENGINEER
56.471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

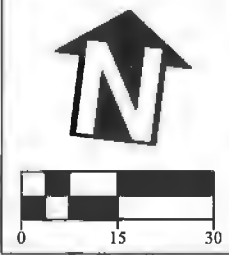
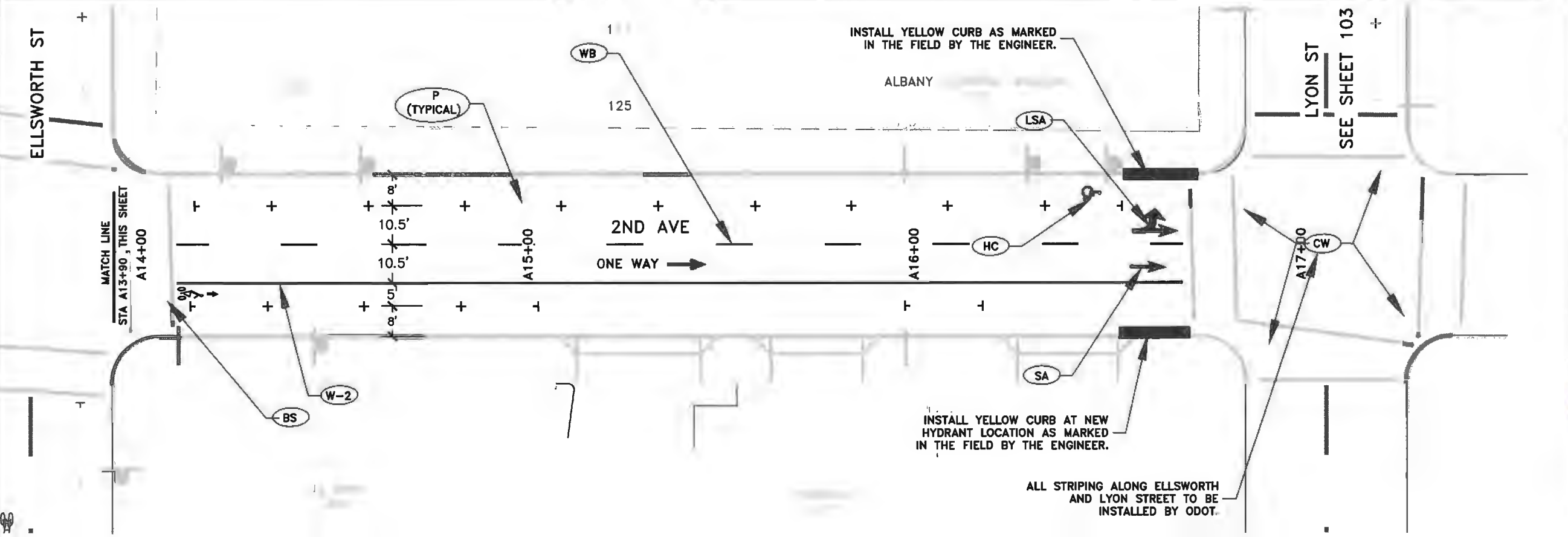
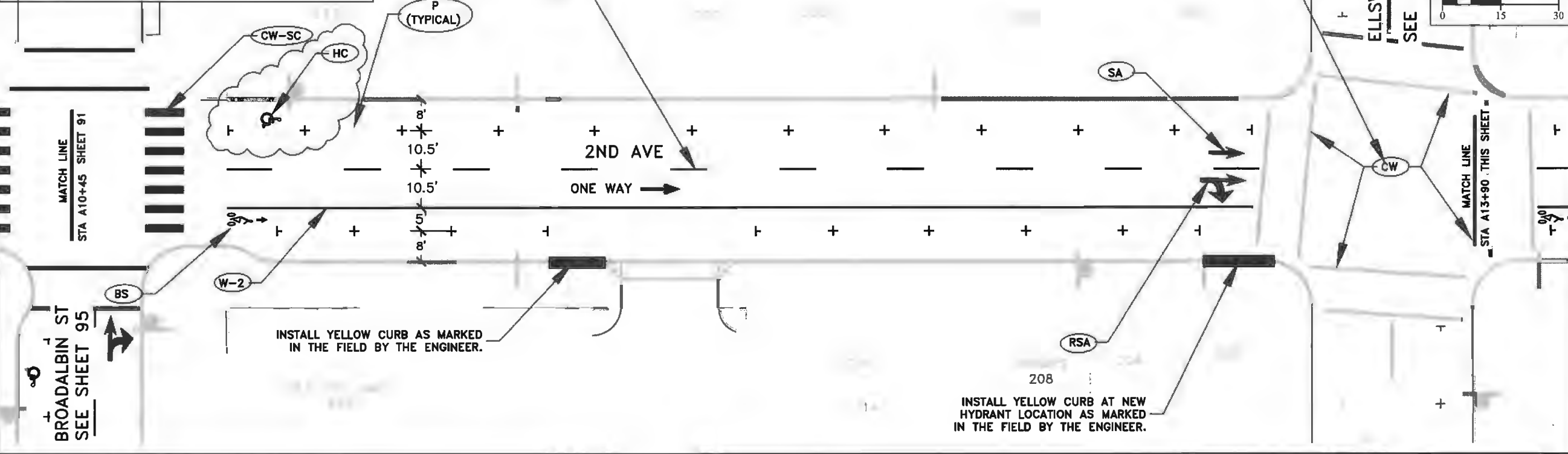
SHEET NO. 91 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

NOTE:
SEE ODOT STANDARD DRAWINGS TM500 THROUGH TM577 FOR STRIPING LEGEND AND DETAILS.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO:
CHECKED: C. CERKLEWSKI	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	DATE
	BY: C. CERKLEWSKI
	DATE
	BY: L. SCHUMACHER
	DATE
	BY: C. CERKLEWSKI
	DATE

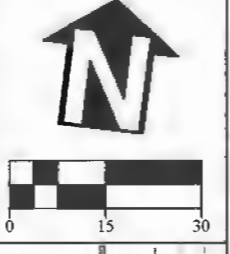
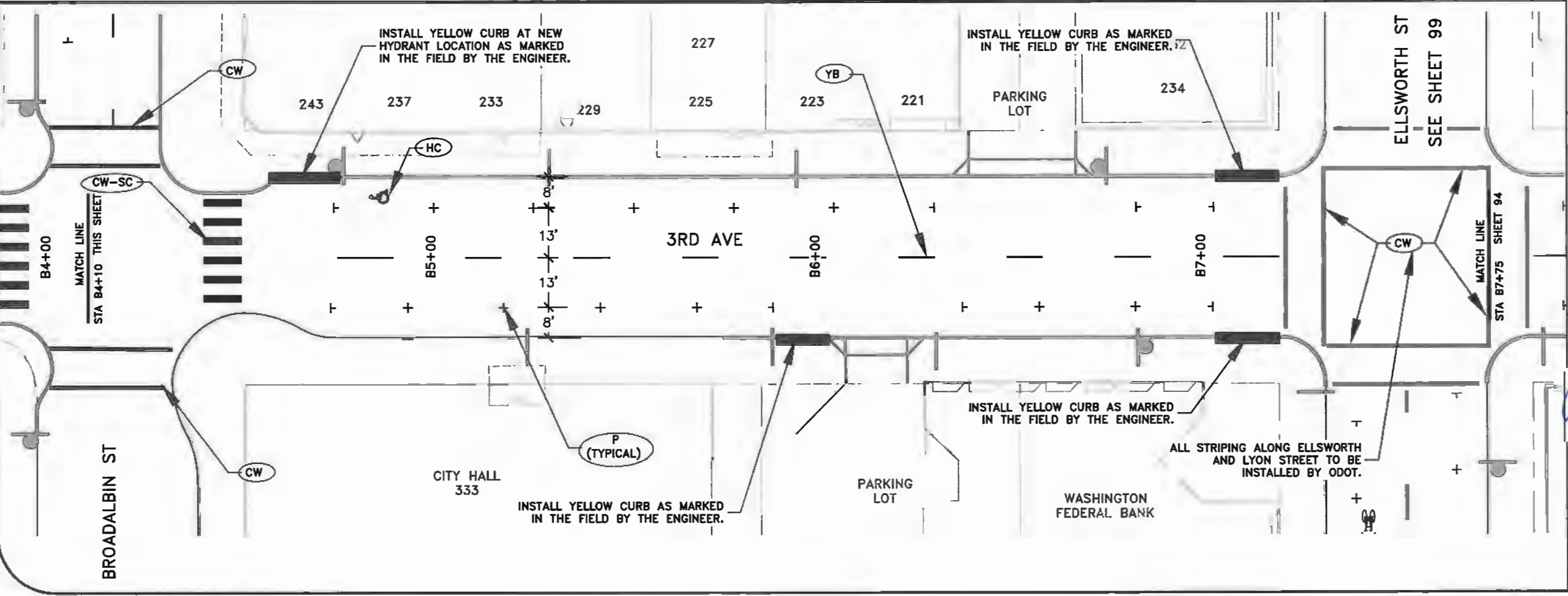
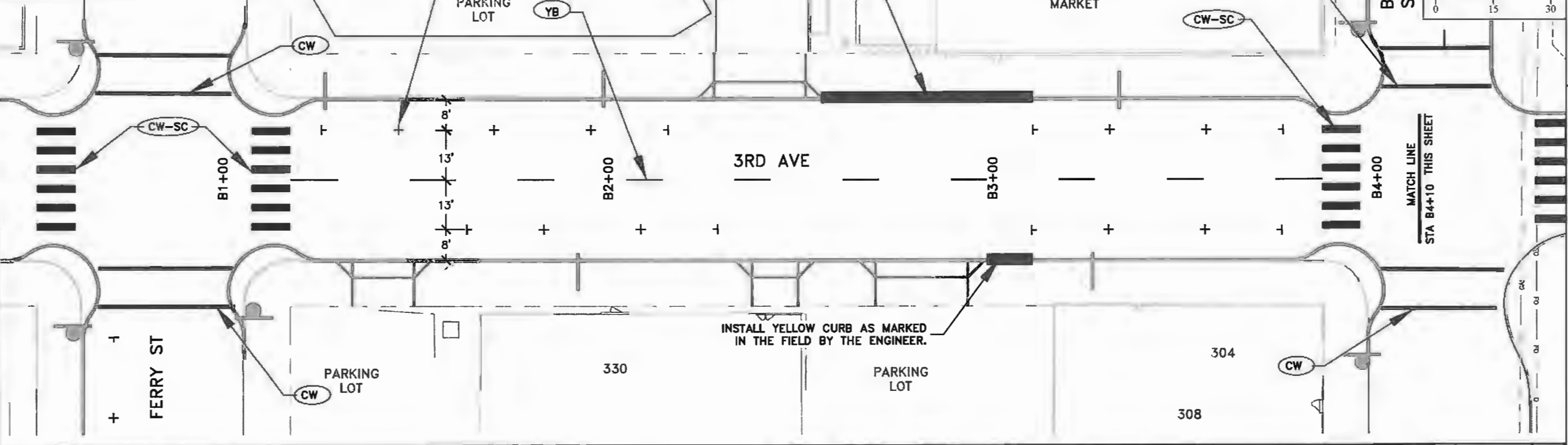
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
2ND AVENUE STRIPING PLAN

REGISTERED PROFESSIONAL ENGINEER
56,471PE
Christopher L. Cerklewski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017
SHEET NO. 92 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG


NOTE:
SEE ODOT STANDARD DRAWINGS TM500 THROUGH TM577 FOR STRIPING LEGEND AND DETAILS.



DESIGNED: L. SCHUMACHER
DRAWN: L. SCHUMACHER
CHECKED: C. CERKLEWSKI
DATE: 4/11/2017

REVISIONS	
NO.	BY:

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
3RD AVENUE STRIPING PLAN

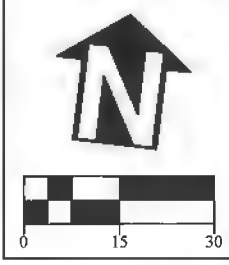


EXPIRATION DATE: 12/31/2017

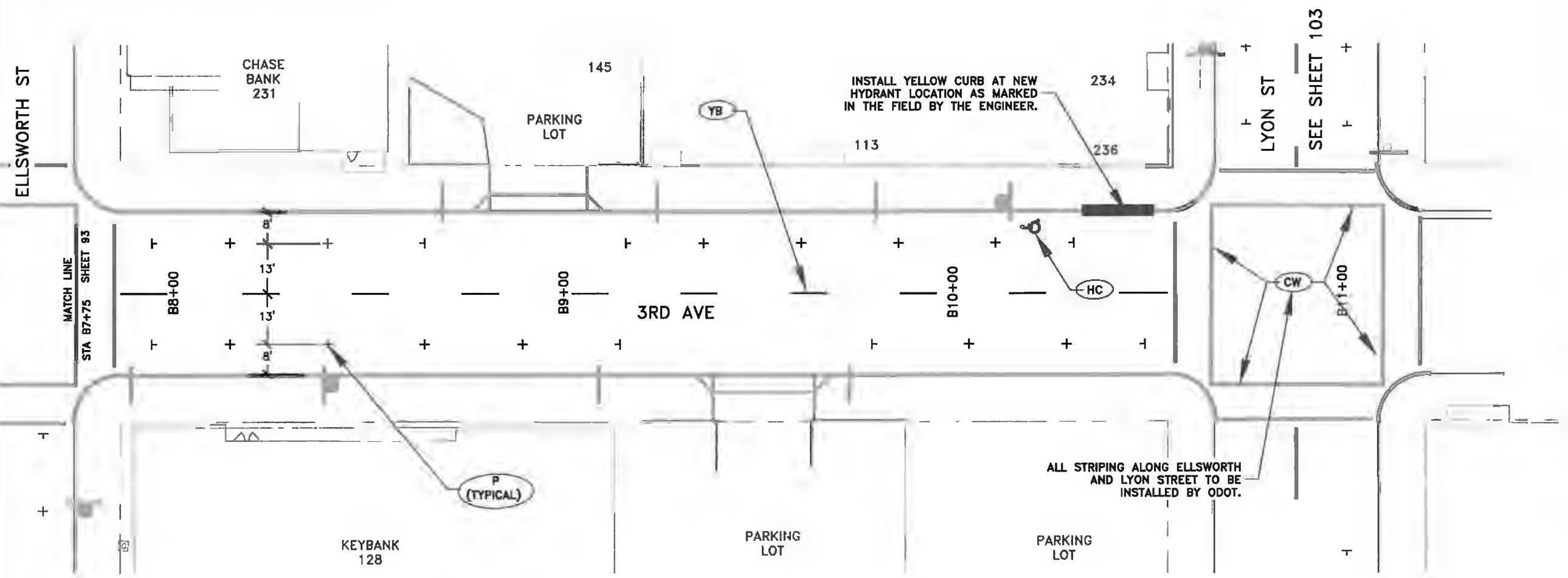
SHEET NO. 93 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG



NOTE:
SEE ODOT STANDARD DRAWINGS TM500
THROUGH TM577 FOR STRIPING LEGEND
AND DETAILS.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
3RD AVENUE STRIPING PLAN



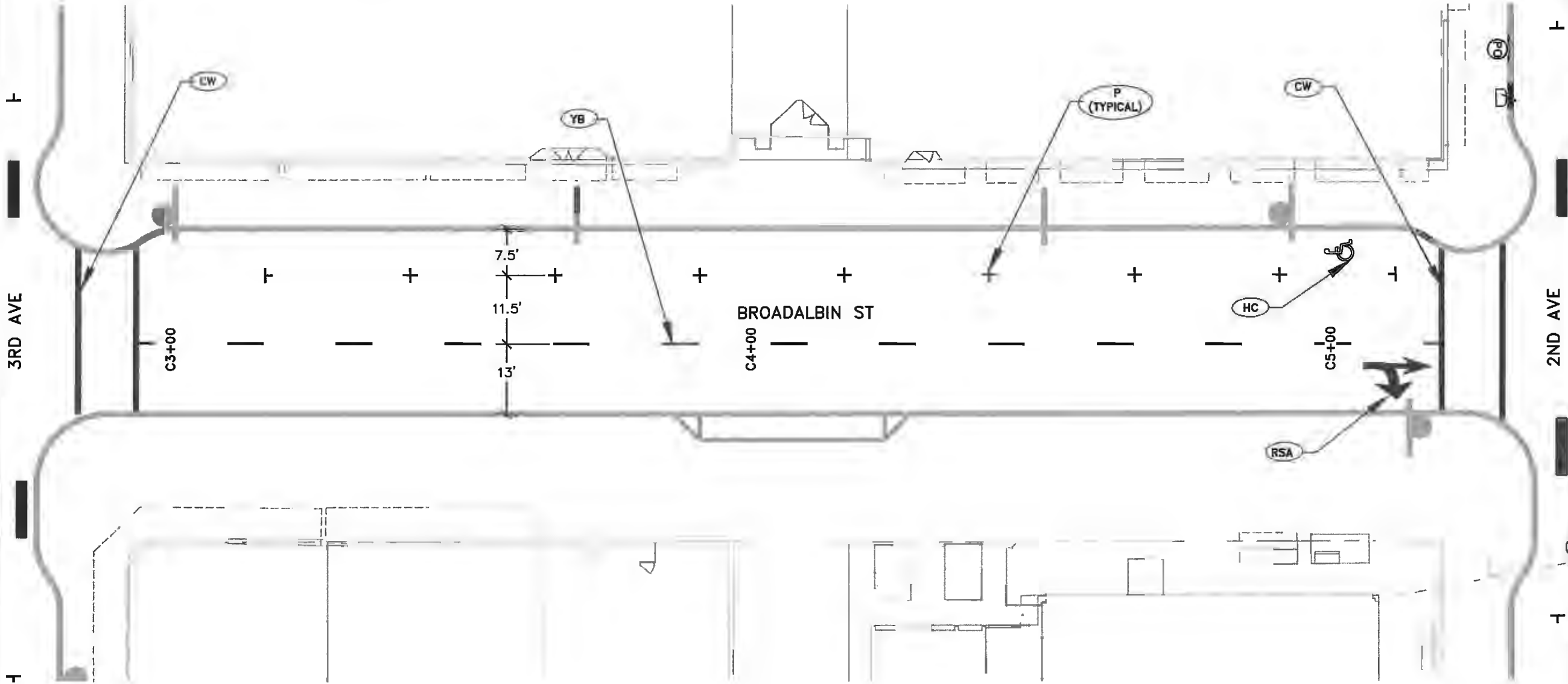
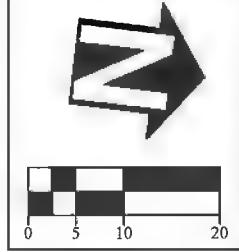
EXPIRATION DATE: 12/31/2017

SHEET NO. 94 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

NOTE:
SEE ODOT STANDARD DRAWINGS TM500
THROUGH TM577 FOR STRIPING LEGEND
AND DETAILS.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
BROADALBIN STREET STRIPING PLAN

EXPIRATION DATE: 12/31/2017

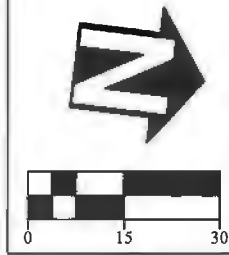
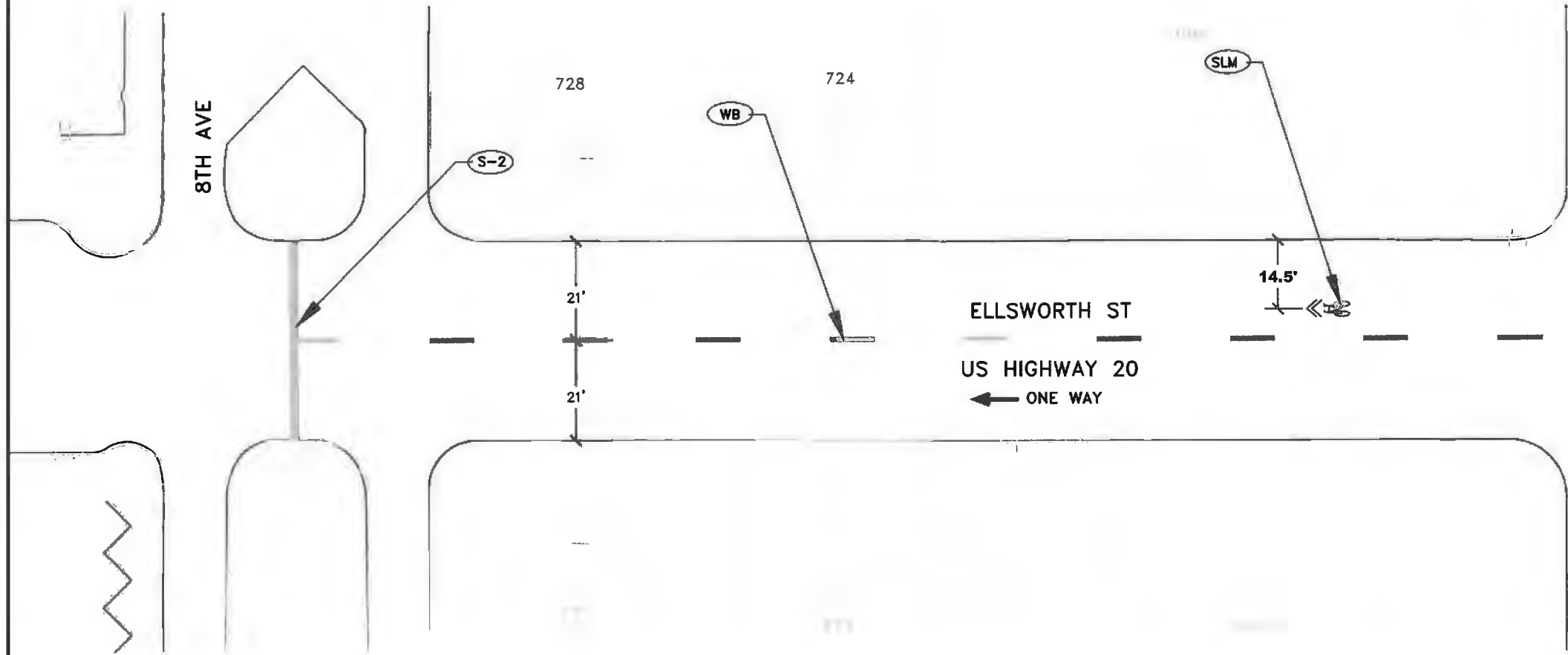
SHEET NO. 95 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

- NOTES:
1. **PERMANENT STRIPING ALONG ELLSWORTH STREET TO BE INSTALLED BY ODOT.**
 2. SEE ODOT STANDARD DRAWINGS TM500 THROUGH TM577 FOR STRIPING LEGEND AND DETAILS.



DESIGNED: L. SCHUMACHER	REVISIONS	
DRAWN: L. SCHUMACHER	NO:	BY:
CHECKED: C. CERKLEWSKI	REV 1	L. SCHUMACHER
DATE: 4/11/2017	REV 2	C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET STRIPING PLAN**



EXPIRATION DATE: 12/31/2017

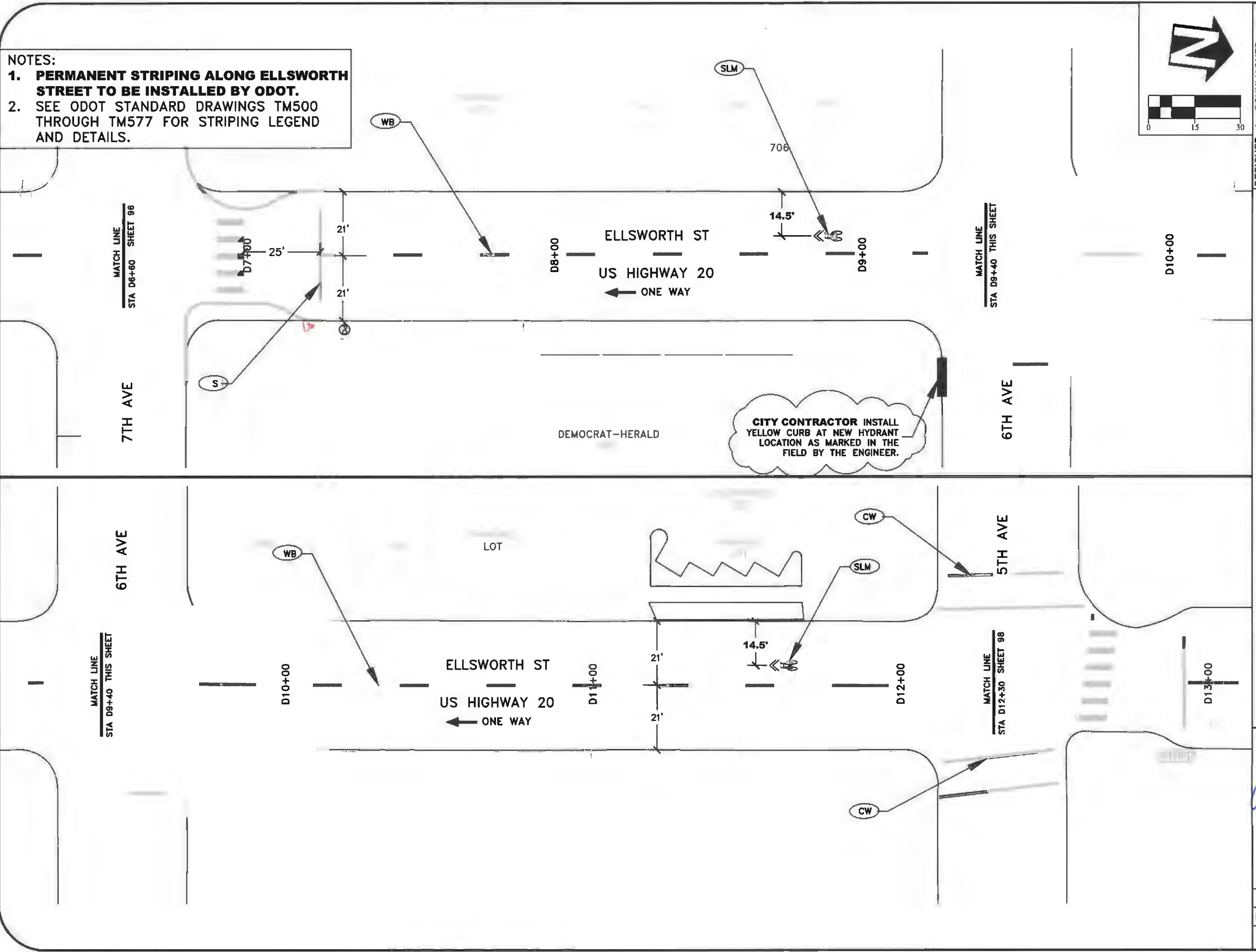
SHEET NO. 96 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

NOTES:
1. **PERMANENT STRIPING ALONG ELLSWORTH STREET TO BE INSTALLED BY ODOT.**
2. SEE ODOT STANDARD DRAWINGS TM500 THROUGH TM577 FOR STRIPING LEGEND AND DETAILS.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

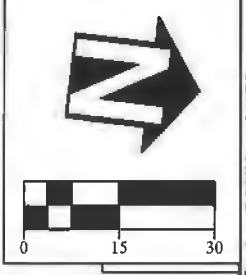
**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET STRIPING PLAN**

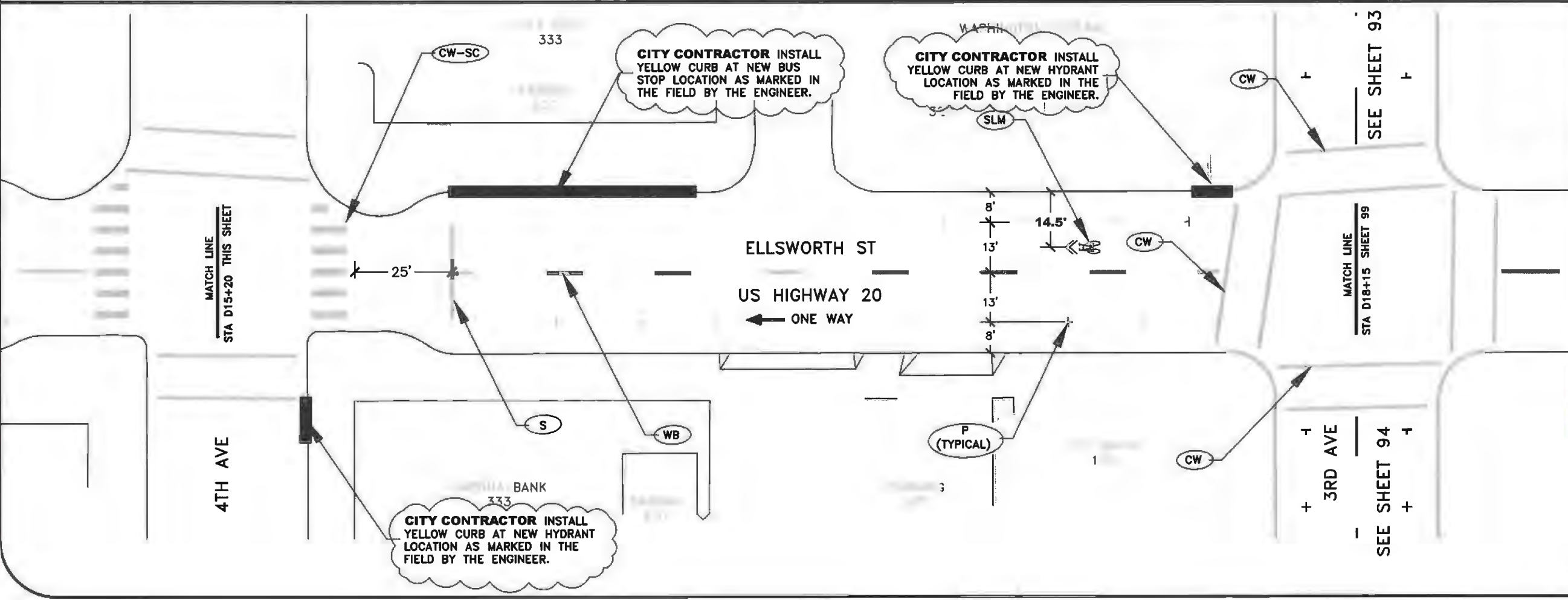
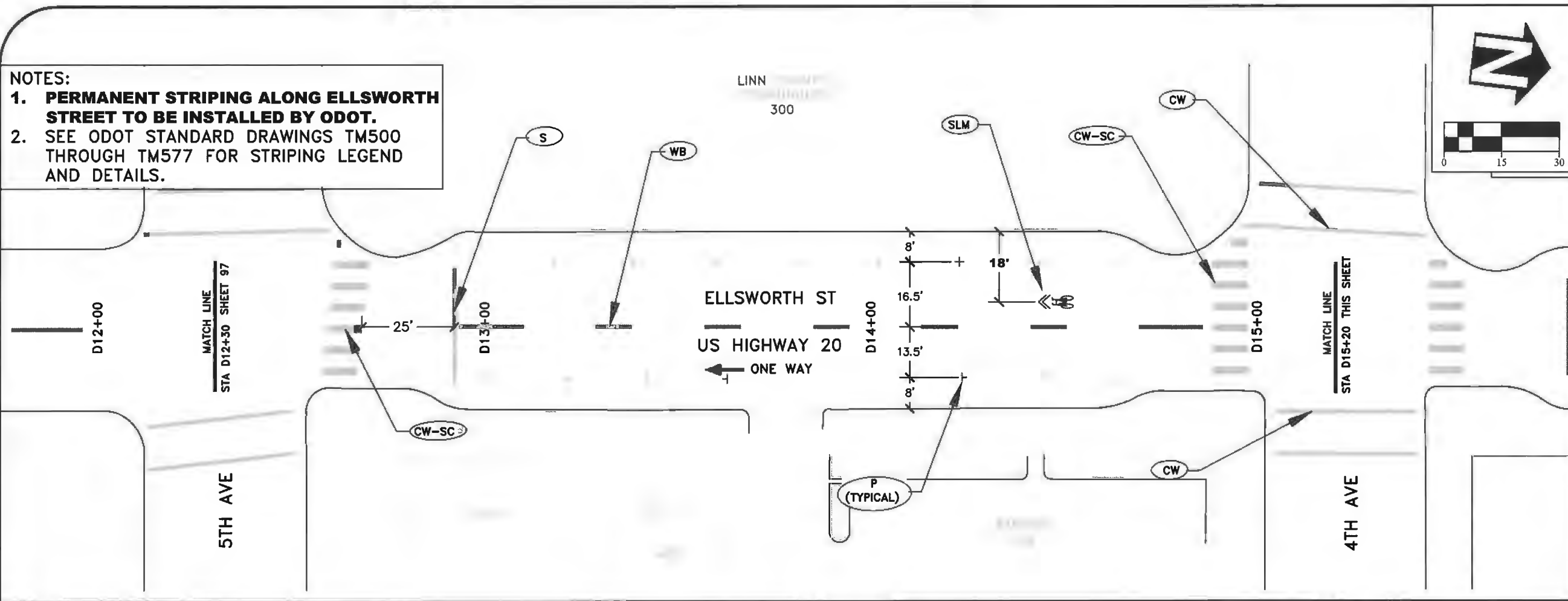
REGISTERED PROFESSIONAL
ENGINEER
56,471PE
Christopher L. Ahlstrom
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017
SHEET NO. 97 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

NOTES:
 1. PERMANENT STRIPING ALONG ELLSWORTH STREET TO BE INSTALLED BY ODOT.
 2. SEE ODOT STANDARD DRAWINGS TM500 THROUGH TM577 FOR STRIPING LEGEND AND DETAILS.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 C. CERKLEWSKI



APPROVED FOR CONSTRUCTION

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



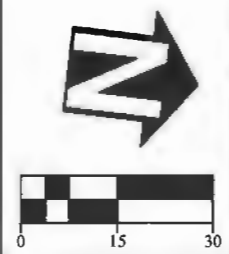
ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 ELLSWORTH STREET STRIPING PLAN



EXPIRATION DATE: 12/31/2017
 SHEET NO. 98 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

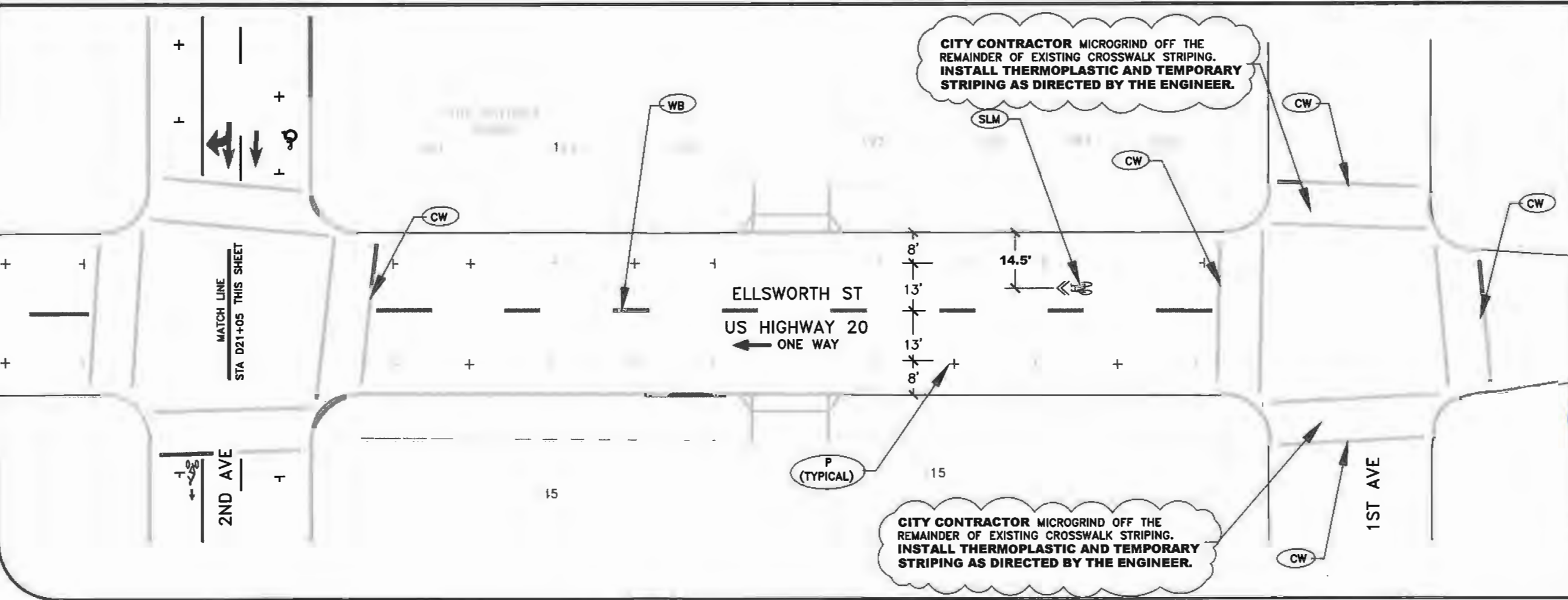
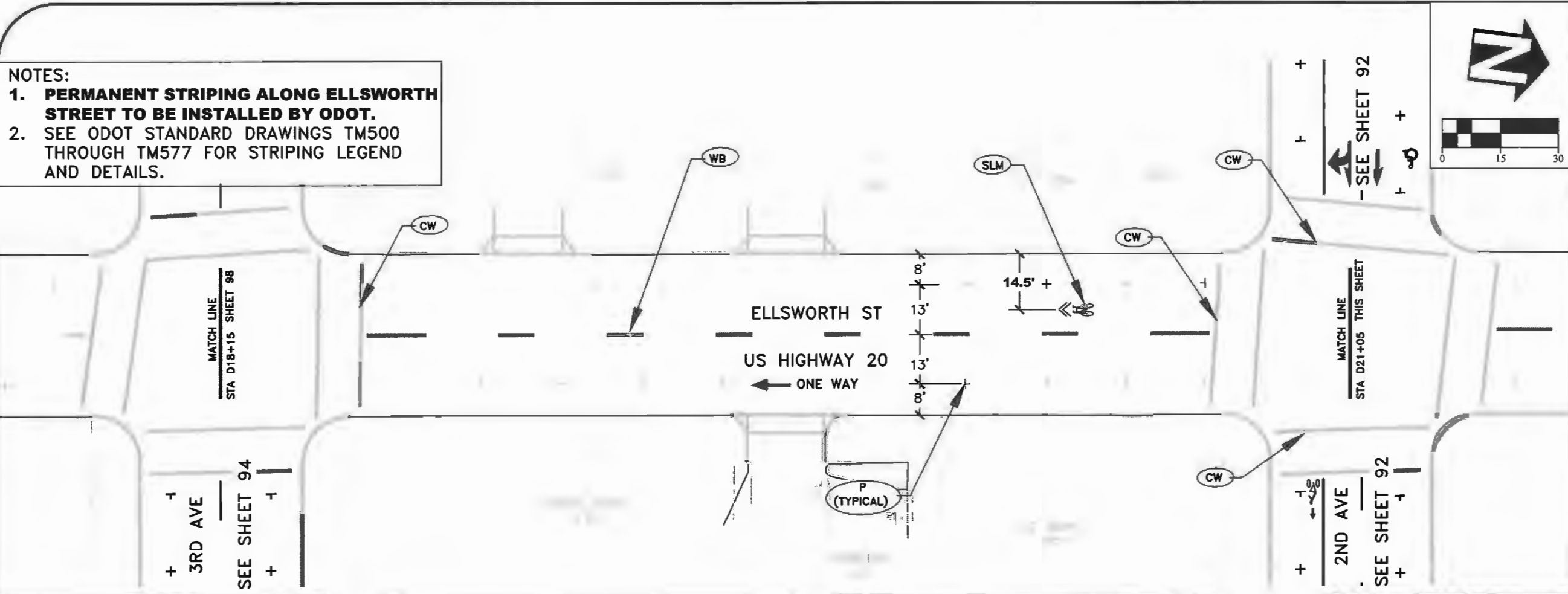
NOTES:

- PERMANENT STRIPING ALONG ELLSWORTH STREET TO BE INSTALLED BY ODOT.**
- SEE ODOT STANDARD DRAWINGS TM500 THROUGH TM577 FOR STRIPING LEGEND AND DETAILS.



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:
1	L. SCHUMACHER
2	C. CERKLEWSKI



APPROVED FOR CONSTRUCTION

**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**



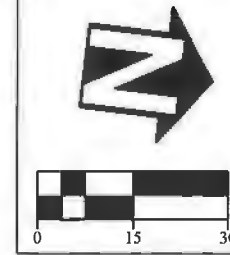
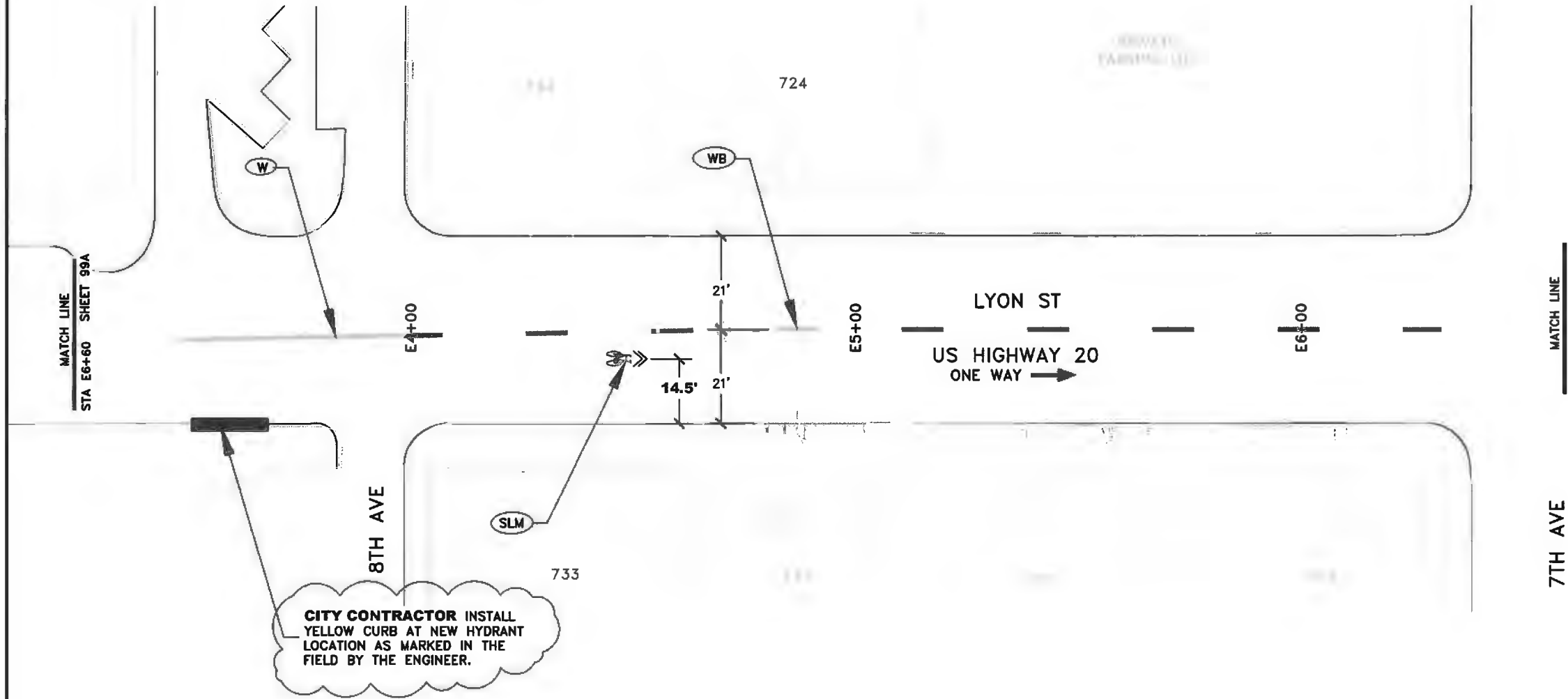
**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 ELLSWORTH STREET STRIPING PLAN**



EXPIRATION DATE: 12/31/2017
 SHEET NO. 99 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

- NOTES:
- PERMANENT STRIPING ALONG ELLSWORTH STREET TO BE INSTALLED BY ODOT.**
 - SEE ODOT STANDARD DRAWINGS TM500 THROUGH TM577 FOR STRIPING LEGEND AND DETAILS.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 REV 1 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET STRIPING PLAN**



EXPIRATION DATE: 12/31/2017

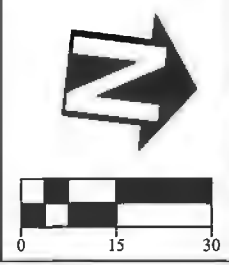
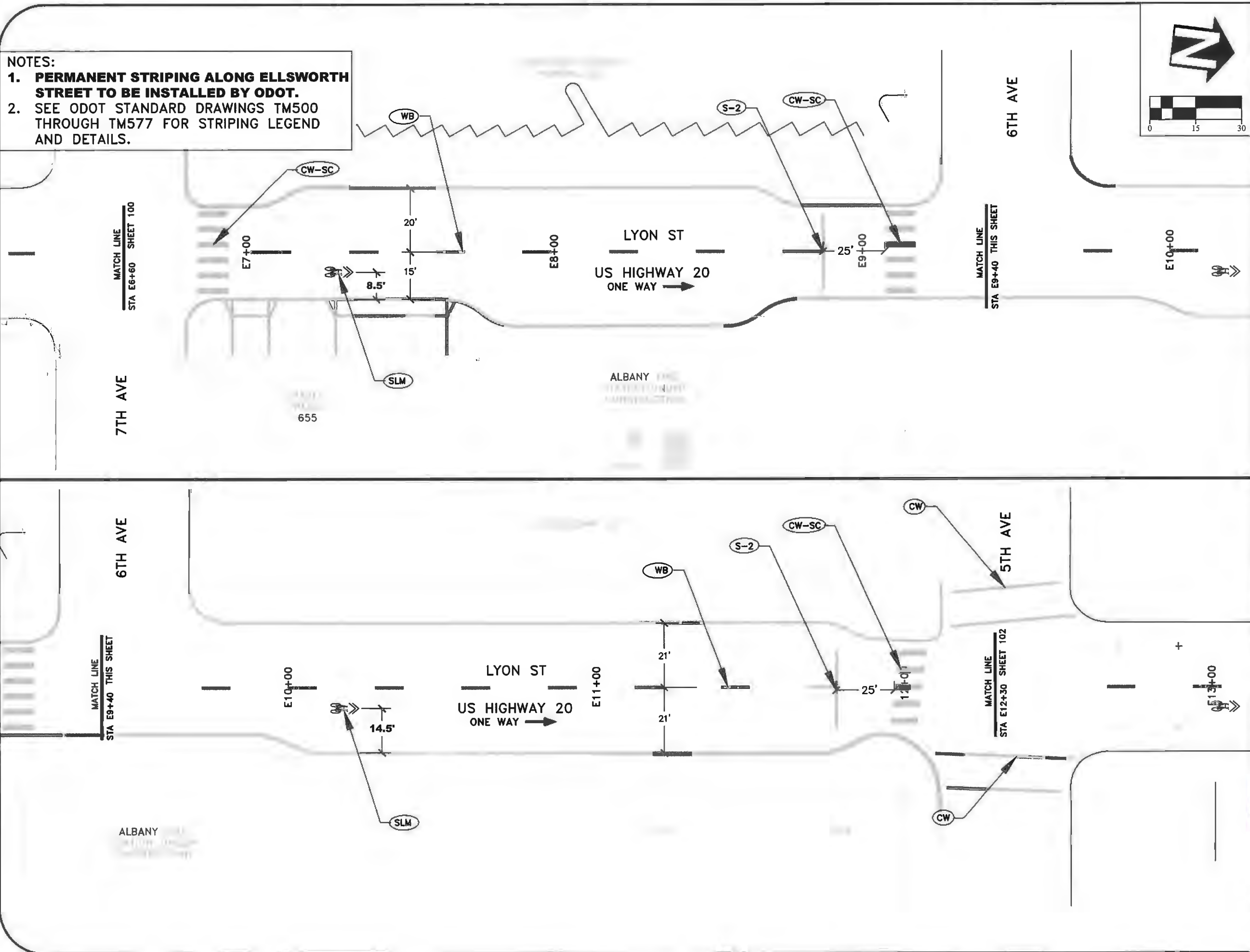
SHEET NO. 100 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

NOTES:
1. PERMANENT STRIPING ALONG ELLSWORTH STREET TO BE INSTALLED BY ODOT.
2. SEE ODOT STANDARD DRAWINGS TM500 THROUGH TM577 FOR STRIPING LEGEND AND DETAILS.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 REV 1 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET STRIPING PLAN**

REGISTERED PROFESSIONAL
ENGINEER
56,471PE
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

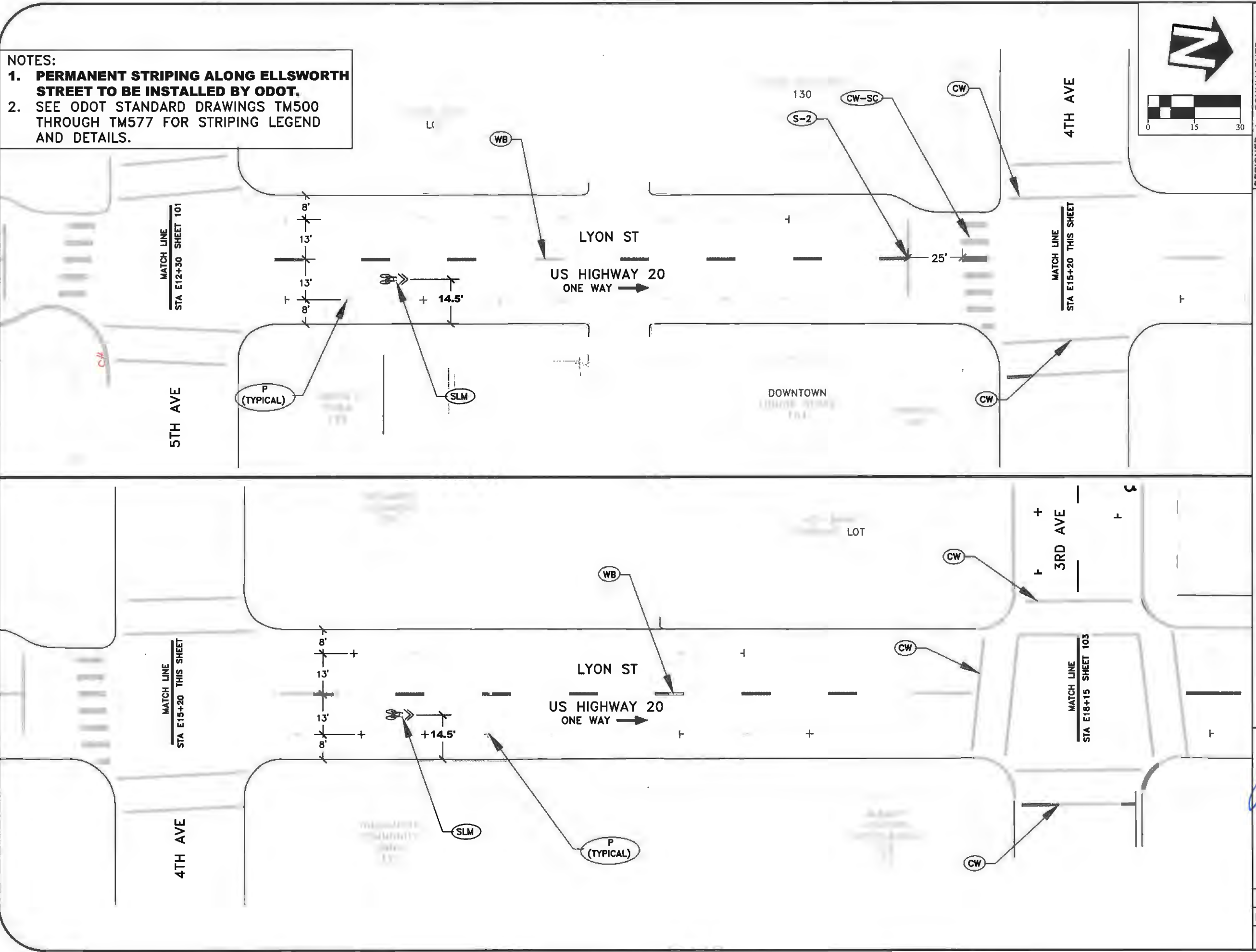
EXPIRATION DATE: 12/31/2017

SHEET NO. 101 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

NOTES:

- 1. PERMANENT STRIPING ALONG ELLSWORTH STREET TO BE INSTALLED BY ODOT.**
- 2. SEE ODOT STANDARD DRAWINGS TM500 THROUGH TM577 FOR STRIPING LEGEND AND DETAILS.**



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 REV 1 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET STRIPING PLAN**

EXPIRATION DATE: 12/31/2017

SHEET NO. 102 OF 192

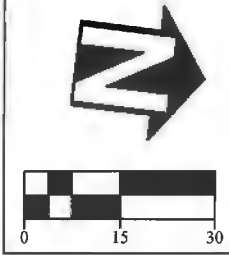
PROJECT NO: ST-15-03-B

FILE: BASE.DWG

NOTES:

- PERMANENT STRIPING ALONG ELLSWORTH STREET TO BE INSTALLED BY ODOT.**
- SEE ODOT STANDARD DRAWINGS TM500 THROUGH TM577 FOR STRIPING LEGEND AND DETAILS.

234



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 C. CERKLEWSKI

MATCH LINE
STA E18+15 SHEET 11

3RD AVE

P
(TYPICAL)

ALL

SLM

LYON ST
US HIGHWAY 20
ONE WAY →

14.5'

CITY CONTRACTOR INSTALL YELLOW CURB AT NEW BUS STOP LOCATION AS MARKED IN THE FIELD BY THE ENGINEER.

MATCH LINE
STA E21+05 THIS SHEET

2ND AVE

CW

MATCH LINE
STA E21+05 THIS SHEET

2ND AVE

P
(TYPICAL)

LYON ST
US HIGHWAY 20
ONE WAY →

14.5'

SLM

CITY CONTRACTOR MICROGRIND OFF THE REMAINDER OF EXISTING CROSSWALK STRIPING. INSTALL THERMOPLASTIC AND TEMPORARY STRIPING AS DIRECTED BY THE ENGINEER.

CITY CONTRACTOR MICROGRIND OFF THE REMAINDER OF EXISTING CROSSWALK STRIPING. INSTALL THERMOPLASTIC AND TEMPORARY STRIPING AS DIRECTED BY THE ENGINEER.

1ST AVE

CW

APPROVED FOR CONSTRUCTION

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET STRIPING PLAN**



EXPIRATION DATE: 12/31/2017

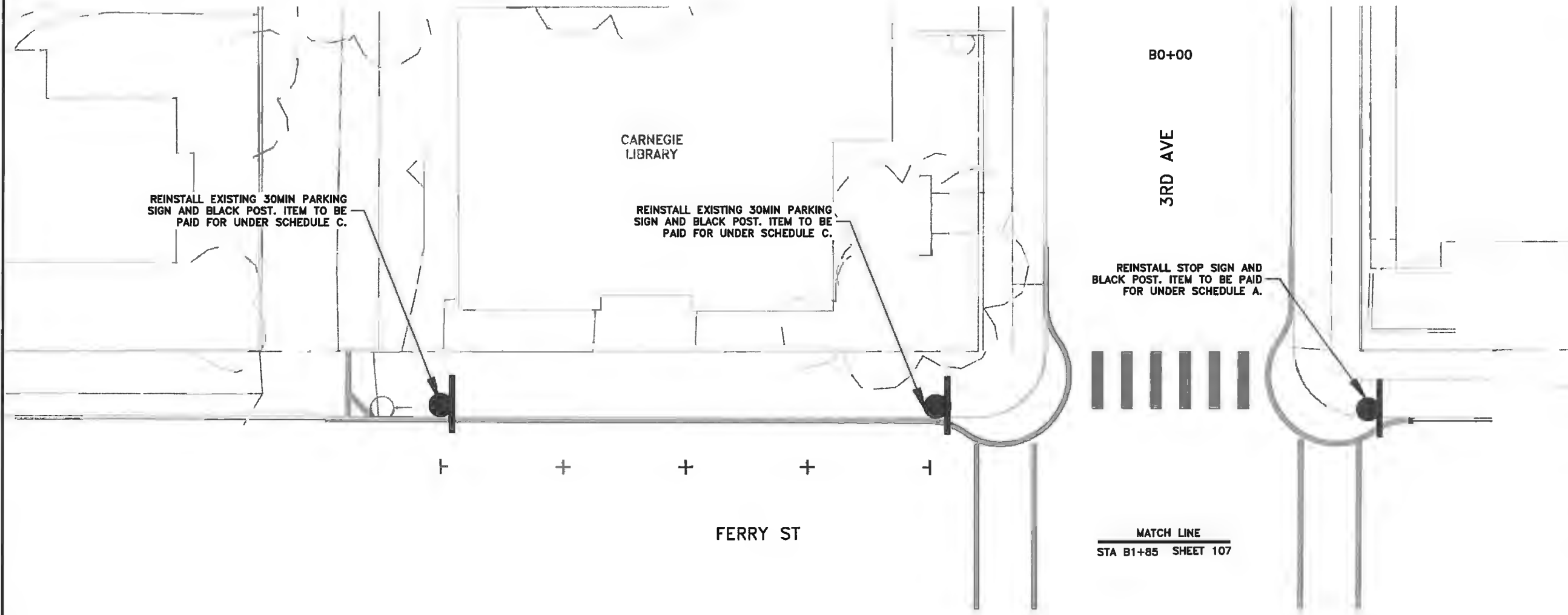
SHEET NO. 103 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG


NOTES:

1. ALL SIGNS SHALL CONFORM TO REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, STANDARD HIGHWAY SIGNS, AND OREGON SIGN POLICY.
2. SEE STANDARD DRAWING NO. 208 AND 209 FOR SIGN AND POST SPECIFICATIONS.
3. SIGNS SHALL BE LOCATED AS MARKED IN THE FIELD BY THE ENGINEER.
4. SEE SHEET 115 FOR SIGN DETAILS.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	NO: --
	BY: --
	NO: --
	BY: --
	NO: --
	BY: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
CARNEGIE LIBRARY SIGNAGE PLAN

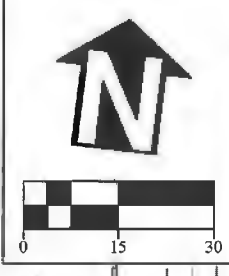
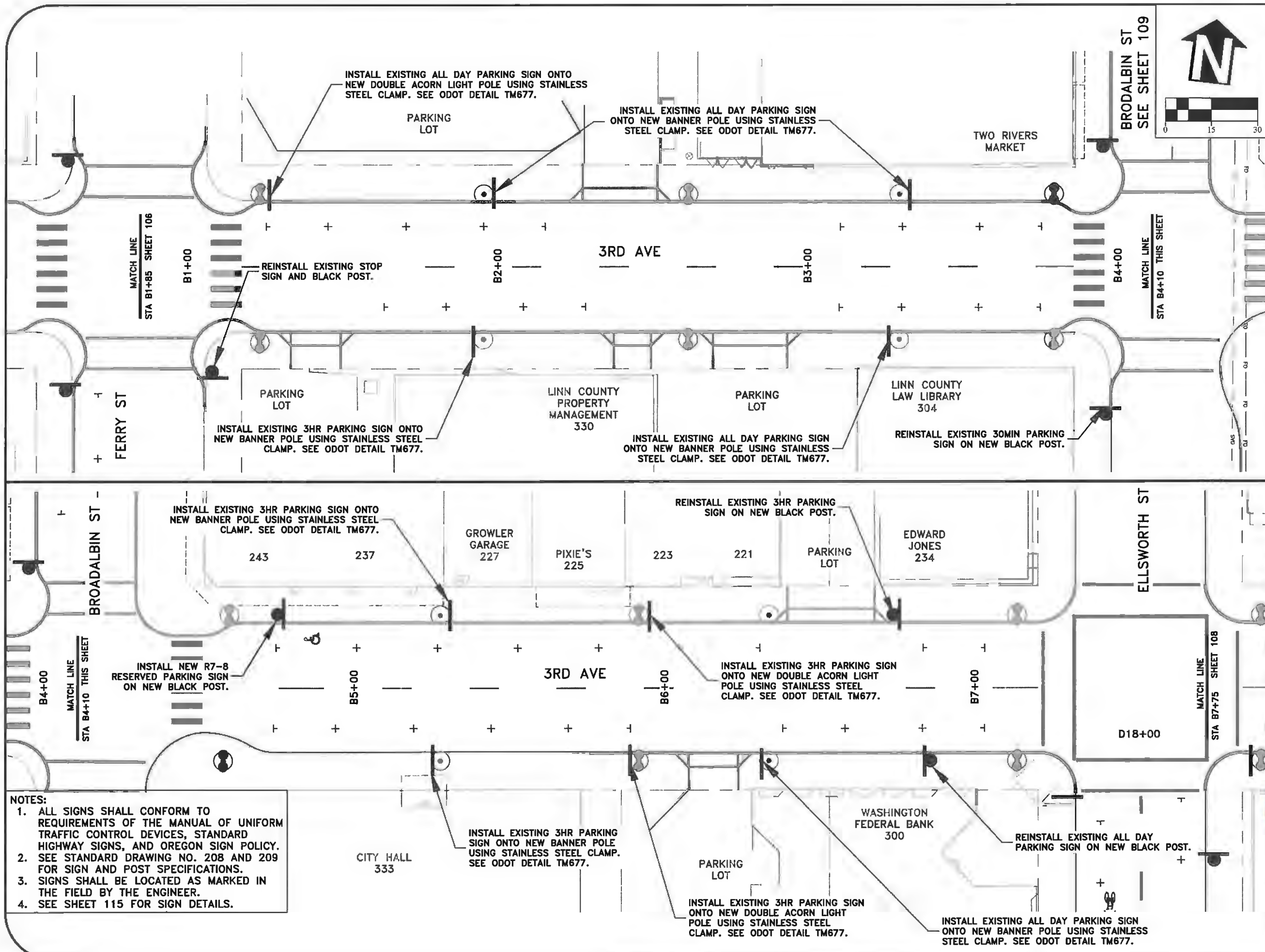
REGISTERED PROFESSIONAL
ENGINEER
58,471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 106 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: -
CHECKED: C. CERKLEWSKI	BY: -
DATE: 4/11/2017	DATE: -

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

Albany

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
3RD AVENUE SIGNAGE PLAN

- NOTES:**
1. ALL SIGNS SHALL CONFORM TO REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, STANDARD HIGHWAY SIGNS, AND OREGON SIGN POLICY.
 2. SEE STANDARD DRAWING NO. 208 AND 209 FOR SIGN AND POST SPECIFICATIONS.
 3. SIGNS SHALL BE LOCATED AS MARKED IN THE FIELD BY THE ENGINEER.
 4. SEE SHEET 115 FOR SIGN DETAILS.

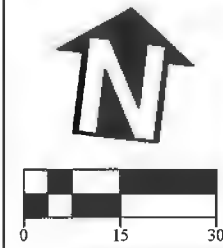
REGISTERED PROFESSIONAL
ENGINEER
56,471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 107 OF 192

PROJECT NO: ST-15-03-B

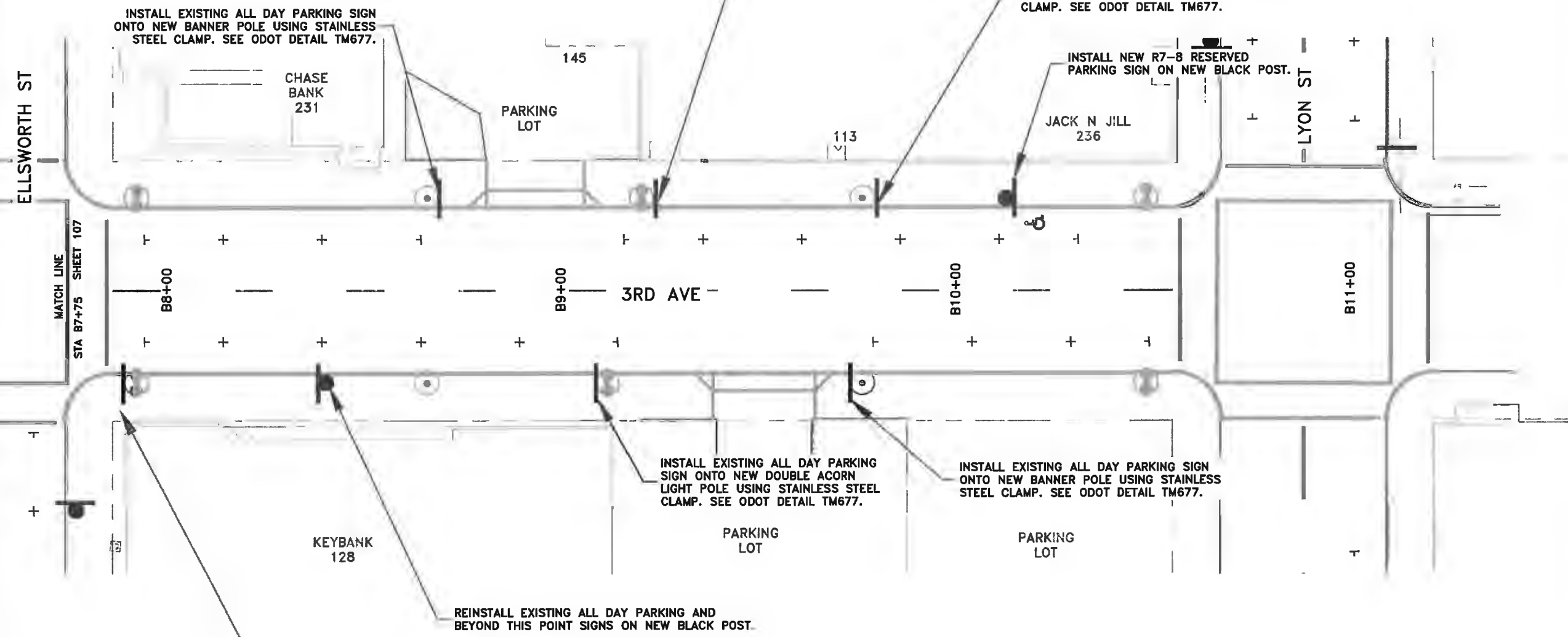
FILE: BASE.DWG



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

- NOTES:**
1. ALL SIGNS SHALL CONFORM TO REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, STANDARD HIGHWAY SIGNS, AND OREGON SIGN POLICY.
 2. SEE STANDARD DRAWING NO. 208 AND 209 FOR SIGN AND POST SPECIFICATIONS.
 3. SIGNS SHALL BE LOCATED AS MARKED IN THE FIELD BY THE ENGINEER.
 4. SEE SHEET 115 FOR SIGN DETAILS.



INSTALL EXISTING ALL DAY PARKING SIGN ONTO NEW BANNER POLE USING STAINLESS STEEL CLAMP. SEE ODOT DETAIL TM677.

INSTALL EXISTING 3HR PARKING SIGN ONTO NEW DOUBLE ACORN LIGHT POLE USING STAINLESS STEEL CLAMP. SEE ODOT DETAIL TM677.

INSTALL EXISTING 3HR PARKING SIGN ONTO NEW BANNER POLE USING STAINLESS STEEL CLAMP. SEE ODOT DETAIL TM677.

INSTALL NEW R7-8 RESERVED PARKING SIGN ON NEW BLACK POST.

INSTALL EXISTING ALL DAY PARKING SIGN ONTO NEW DOUBLE ACORN LIGHT POLE USING STAINLESS STEEL CLAMP. SEE ODOT DETAIL TM677.

INSTALL EXISTING ALL DAY PARKING SIGN ONTO NEW BANNER POLE USING STAINLESS STEEL CLAMP. SEE ODOT DETAIL TM677.

REINSTALL EXISTING ALL DAY PARKING AND BEYOND THIS POINT SIGNS ON NEW BLACK POST.

INSTALL EXISTING 3HR PARKING SIGN ONTO NEW DOUBLE ACORN LIGHT POLE USING STAINLESS STEEL CLAMP. SEE ODOT DETAIL TM677.

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 3RD AVENUE SIGNAGE PLAN



EXPIRATION DATE: 12/31/2017

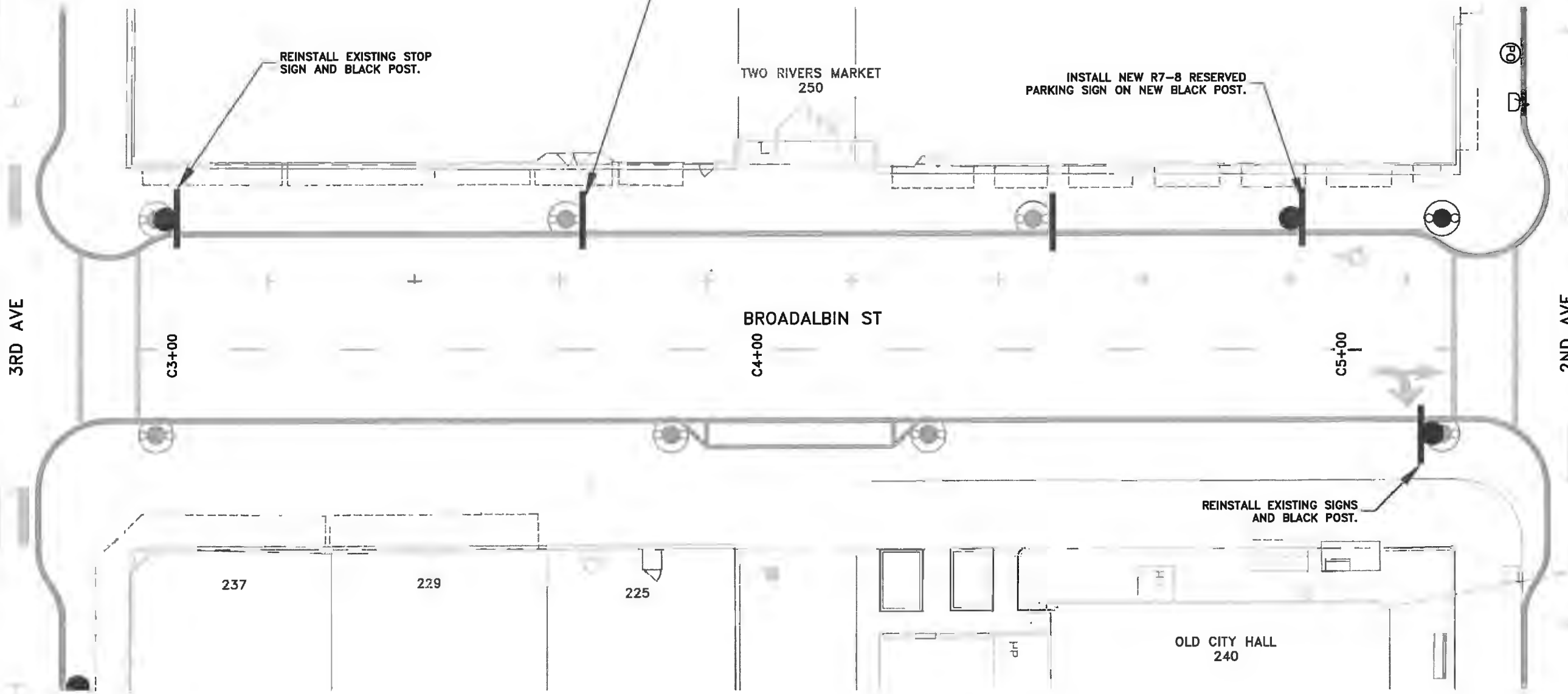
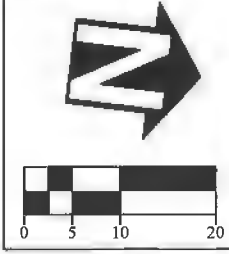
SHEET NO. 108 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

NOTES:

1. ALL SIGNS SHALL CONFORM TO REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, STANDARD HIGHWAY SIGNS, AND OREGON SIGN POLICY.
2. SEE STANDARD DRAWING NO. 208 AND 209 FOR SIGN AND POST SPECIFICATIONS.
3. SIGNS SHALL BE LOCATED AS MARKED IN THE FIELD BY THE ENGINEER.
4. SEE SHEET 115 FOR SIGN DETAILS.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
BROADALBIN STREET SIGNAGE PLAN

REGISTERED PROFESSIONAL
ENGINEER
56,471PE
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 109 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

- NOTES:**
1. ALL SIGNS SHALL CONFORM TO REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, STANDARD HIGHWAY SIGNS, AND OREGON SIGN POLICY.
 2. SEE STANDARD DRAWING NO. 208 AND 209 FOR SIGN AND POST SPECIFICATIONS.
 3. SIGNS SHALL BE LOCATED AS MARKED IN THE FIELD BY THE ENGINEER.
 4. SEE SHEET 115 FOR SIGN DETAILS.
 5. EXISTING SIGNS SOUTH OF 4TH AVENUE ON ELLSWORTH ST TO REMAIN IN PLACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

INSTALL CITY SUPPLIED BUS STOP SIGN AND BLACK POST. SEE DETAIL ON SHEET 115. REMOVE EXISTING SIGNS ALONG CITY HALL ELLSWORTH FRONTAGE AND FILL IN HOLES AS DIRECTED BY THE ENGINEER.

INSTALL EXISTING ALL DAY PARKING SIGN ONTO NEW SINGLE ACORN LIGHT POLE USING STAINLESS STEEL CLAMP. SEE ODOT STANDARD DRAWING TM677.

REMOVE EXISTING ALL DAY PARKING SIGN AND POST.

REMOVE EXISTING ALL DAY PARKING SIGN AND POST.

REMOVE EXISTING ALL DAY PARKING SIGN AND POST.

INSTALL EXISTING ALL DAY PARKING SIGN ONTO NEW SINGLE ACORN LIGHT POLE USING STAINLESS STEEL CLAMP. SEE ODOT STANDARD DRAWING TM677.

4TH AVE

REMOVE EXISTING ALL DAY PARKING SIGN AND POST.

INSTALL EXISTING ALL DAY PARKING SIGN ONTO NEW SINGLE ACORN LIGHT POLE USING STAINLESS STEEL CLAMP. SEE ODOT STANDARD DRAWING TM677.

EXISTING ONE WAY SIGN ON WOOD POST.

REMOVE EXISTING ALL DAY PARKING SIGN AND POST.

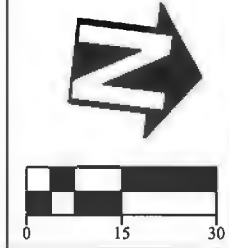
INSTALL NEW 10MIN PARKING SIGN ON NEW BLACK POST.

ELLSWORTH ST
US HIGHWAY 20
← ONE WAY

3RD AVE

SEE SHEET 108

REMOVE EXISTING 10 MIN PARKING SIGN AND POST.



DESIGNED: L. SCHUMACHER
DRAWN: L. SCHUMACHER
CHECKED: C. CERKLEWSKI
DATE: 4/11/2017

REVISIONS	NO.	BY:
	1	L. SCHUMACHER
	2	C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET SIGNAGE PLAN**



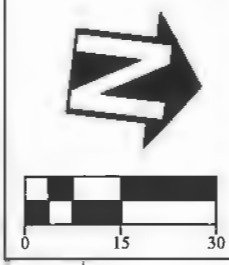
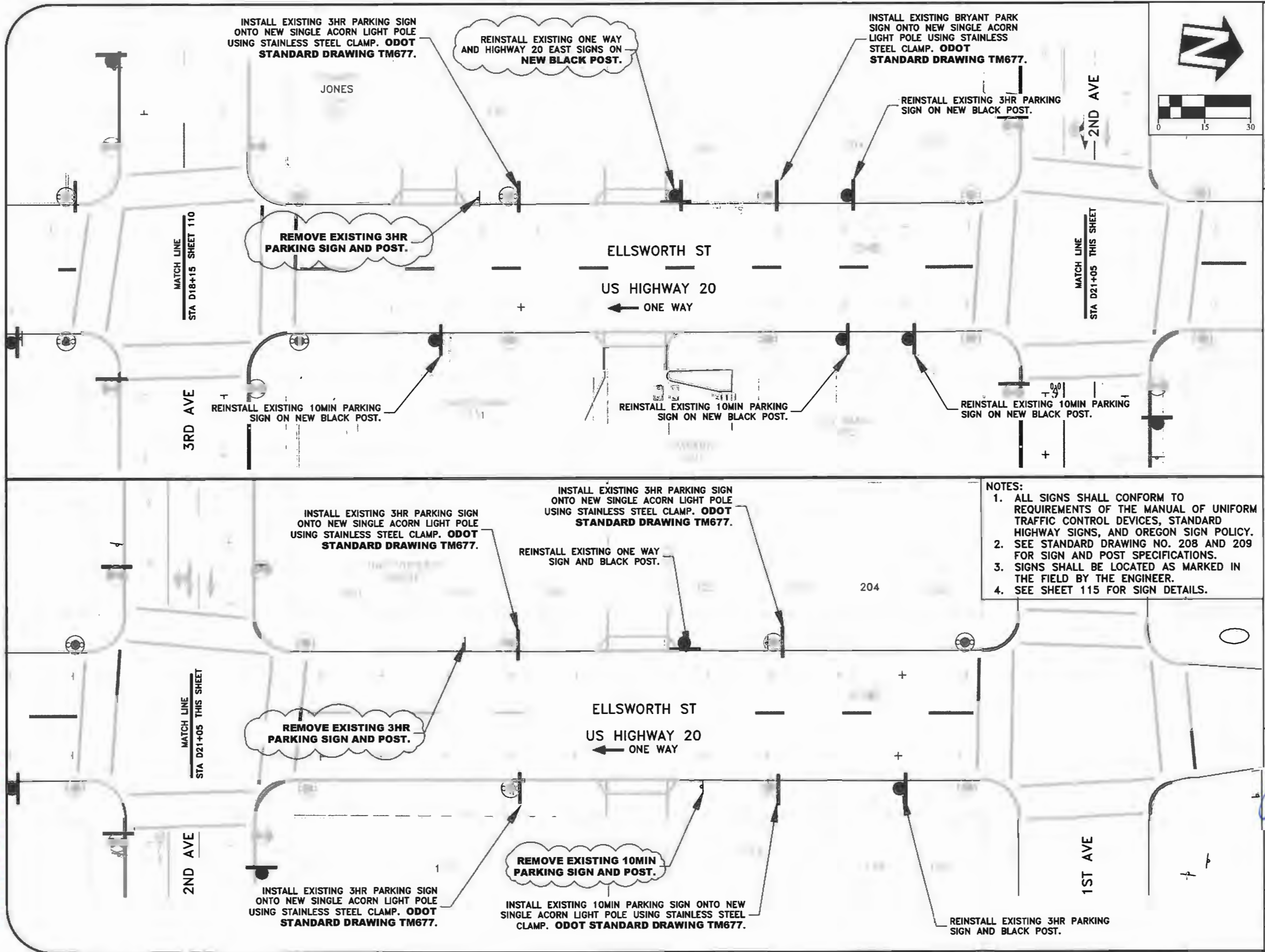
EXPIRATION DATE: 12/31/2017

SHEET NO. 110 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: G. CERKLEWSKI	4/25/2017 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ELLSWORTH STREET SIGNAGE PLAN**

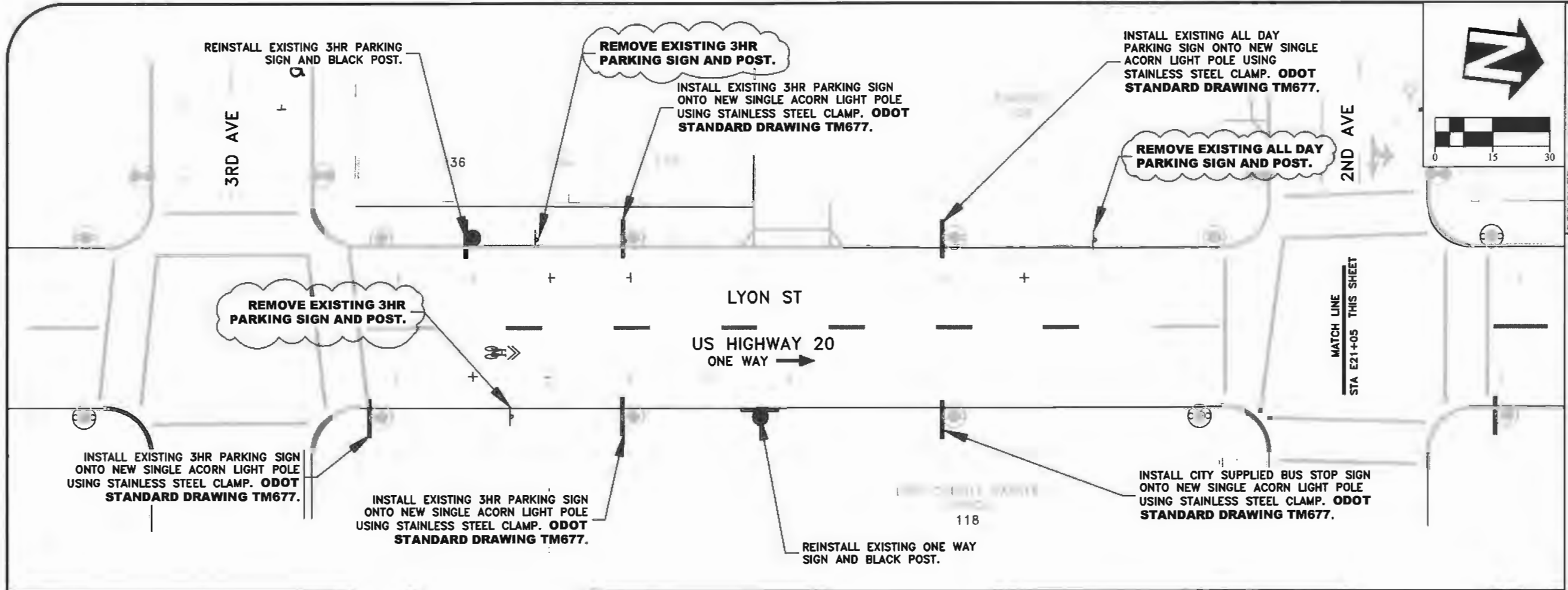
- NOTES:**
1. ALL SIGNS SHALL CONFORM TO REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, STANDARD HIGHWAY SIGNS, AND OREGON SIGN POLICY.
 2. SEE STANDARD DRAWING NO. 208 AND 209 FOR SIGN AND POST SPECIFICATIONS.
 3. SIGNS SHALL BE LOCATED AS MARKED IN THE FIELD BY THE ENGINEER.
 4. SEE SHEET 115 FOR SIGN DETAILS.

REGISTERED PROFESSIONAL ENGINEER
56,471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

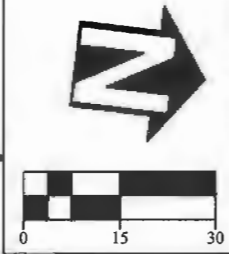
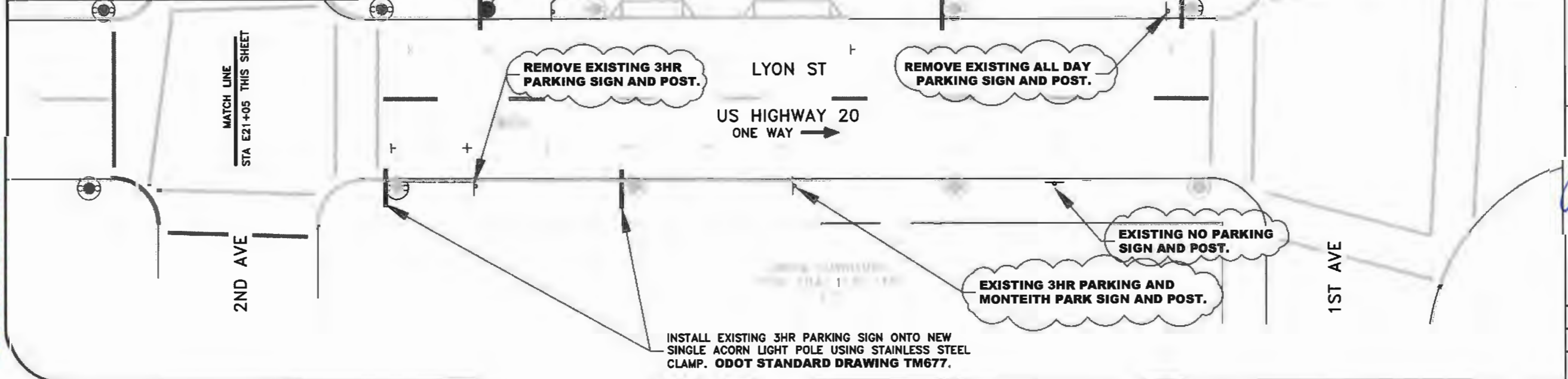
SHEET NO. 111 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

APPROVED FOR CONSTRUCTION




NOTES:

1. ALL SIGNS SHALL CONFORM TO REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, STANDARD HIGHWAY SIGNS, AND OREGON SIGN POLICY.
2. SEE STANDARD DRAWING NO. 208 AND 209 FOR SIGN AND POST SPECIFICATIONS.
3. SIGNS SHALL BE LOCATED AS MARKED IN THE FIELD BY THE ENGINEER.
4. SEE SHEET 115 FOR SIGN DETAILS.
5. EXISTING SIGNS SOUTH OF 3RD AVENUE ON LYON ST TO REMAIN IN PLACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.




DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON STREET SIGNAGE PLAN**


 REGISTERED PROFESSIONAL ENGINEER
 56,471PE
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

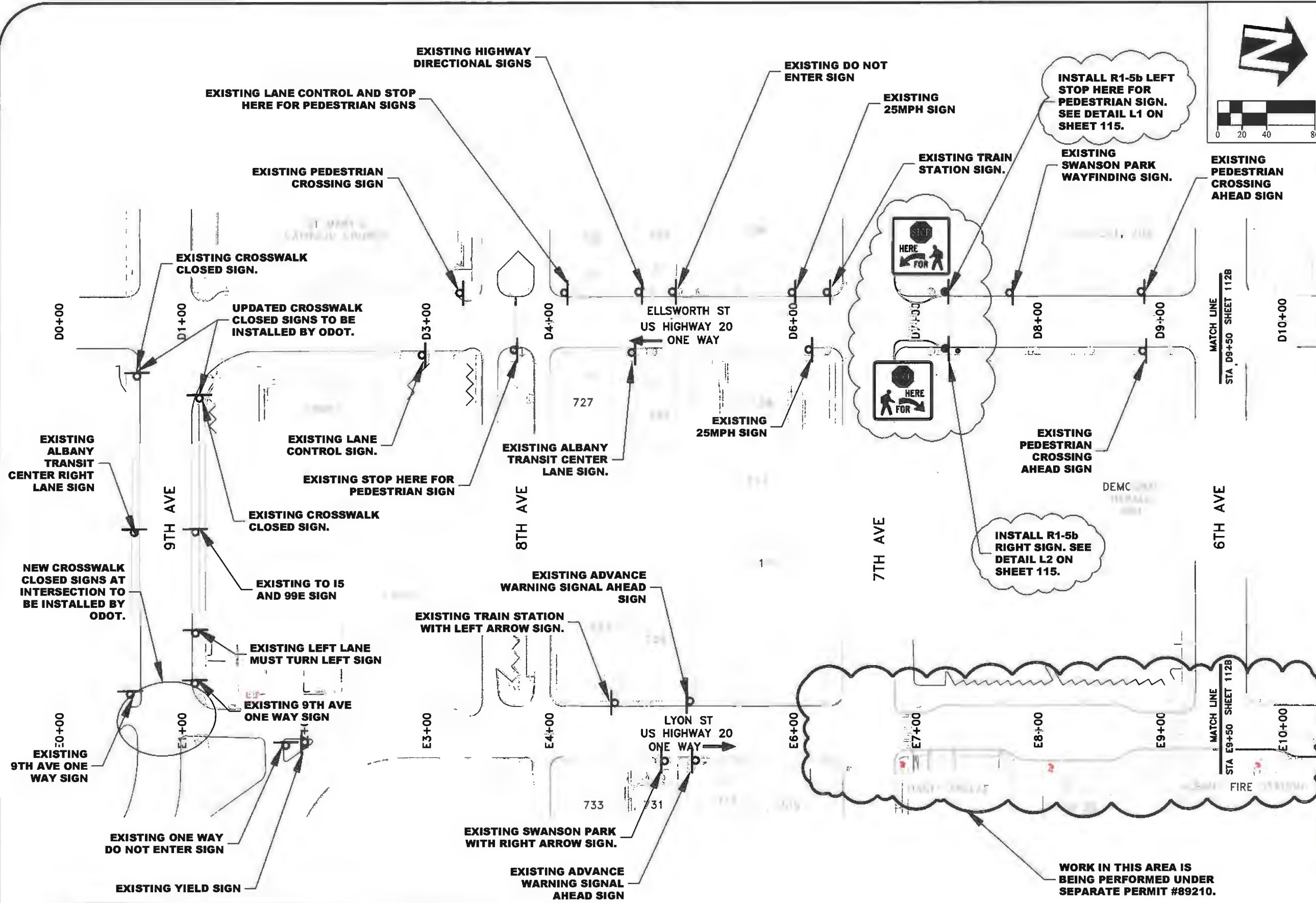
EXPIRATION DATE: 12/31/2017

SHEET NO. 112 OF 192

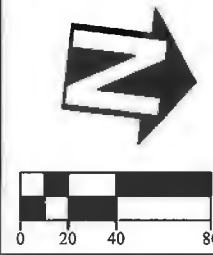
PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION



NOTE:
EXISTING SIGNS SOUTH OF 3RD AVENUE ON LYON AND ELLSWORTH ST TO REMAIN IN PLACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO:
CHECKED: C. CERKLEWSKI	DATE: 4/25/2017
DATE: 4/11/2017	BY: L. SCHUMACHER
	REV 1
	REV 2

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
EXISTING HIGHWAY SIGNAGE**

REGISTERED PROFESSIONAL ENGINEER
56,471PE
Christopher L. Cerklewski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017
SHEET NO. 112A OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

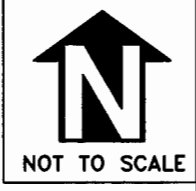
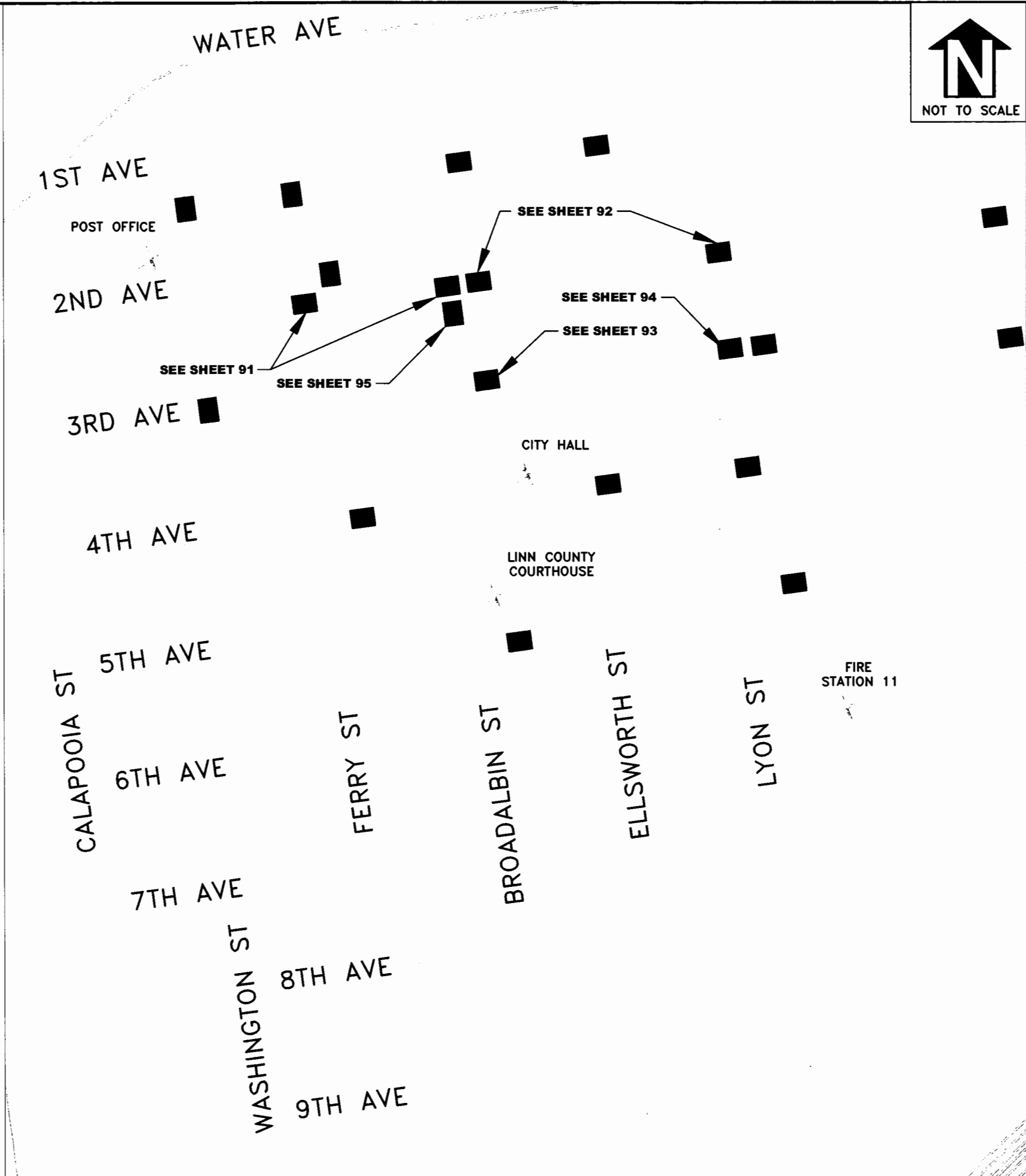
**APPROVED FOR
CONSTRUCTION**

LEGEND

■ NEW ADA ACCESSIBLE
PARKING SPACE

NOTES:

1. AN ADA ACCESSIBLE PARKING LEGEND AND SIGN SHALL BE INSTALLED AT EACH LOCATION AS DIRECTED BY THE ENGINEER.
2. ALL LOCATIONS ARE TENTATIVE.
3. SEE SHEET 115 FOR ACCESSIBLE PARKING STRIPING AND SIGN DETAILS.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ADDITIONAL ON-STREET ADA PARKING**

REGISTERED PROFESSIONAL
ENGINEER
56,471PE
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

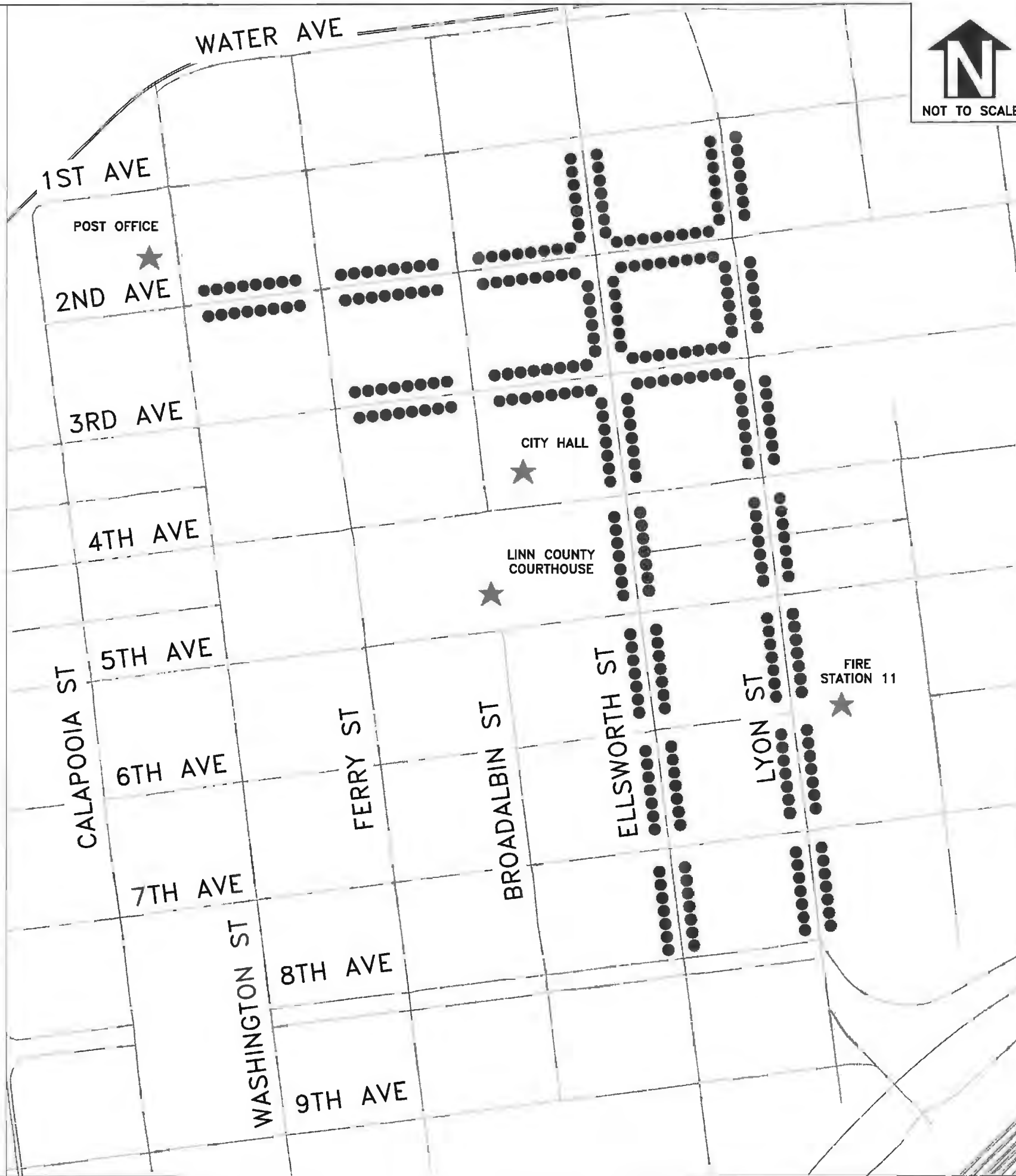
SHEET NO. 113 OF 192
PROJECT NO: ST-15-03-B
FILE: FILENAME.DWG

LEGEND

● FLAG POLE SLEEVE

NOTES:

1. INSTALL APPROXIMATELY 16 FLAG POLE SLEEVES PER BLOCK AS MARKED IN THE FIELD BY THE ENGINEER.
2. SEE SHEET 115 FOR FLAG POLE SLEEVE DETAILS.



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	
NO.	BY:

**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**



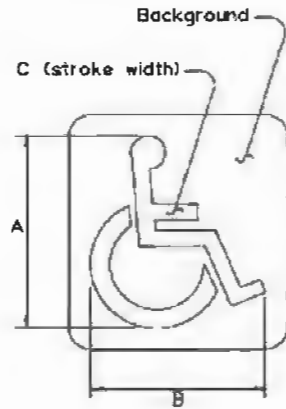
**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 FLAG POLE SLEEVES**



EXPIRATION DATE: 12/31/2017
 SHEET NO. 114 OF 192
 PROJECT NO: ST-15-03-B
 FILE: FILENAME.DWG

DETAIL J: ADA PAVEMENT MARKING
NOT TO SCALE

PAVEMENT MARKING STENCIL



Pavement Marking Background: *Optional: Blue, Retroreflective*
Pavement Marking Stencil: *White, Retroreflective*

LEGEND	DIMENSIONS (INCHES)						
	A	B	C	D	E	F	G
MINIMUM	28	24	3				
STANDARD	41	36	4				

DETAIL K: ADA RESERVED PARKING SIGN
NOT TO SCALE

SIGN DESIGN
SIGN NO. R7-8



Sign Background: *White, Retroreflective sheeting*
Sign Legend: *Green, Retroreflective sheeting*
Sign Symbol: *White on Blue, Retroreflective sheeting*

Refer to Standard Highway Signs book for details.

DETAIL L: BUS STOP SIGN
NOT TO SCALE



R7-107
12"X18"
NO ARROW



R7-107a
12"X30"
SIGN TO BE PROVIDED BY CITY

DETAIL L1: STOP HERE FOR PEDESTRIANS (LEFT)
NOT TO SCALE



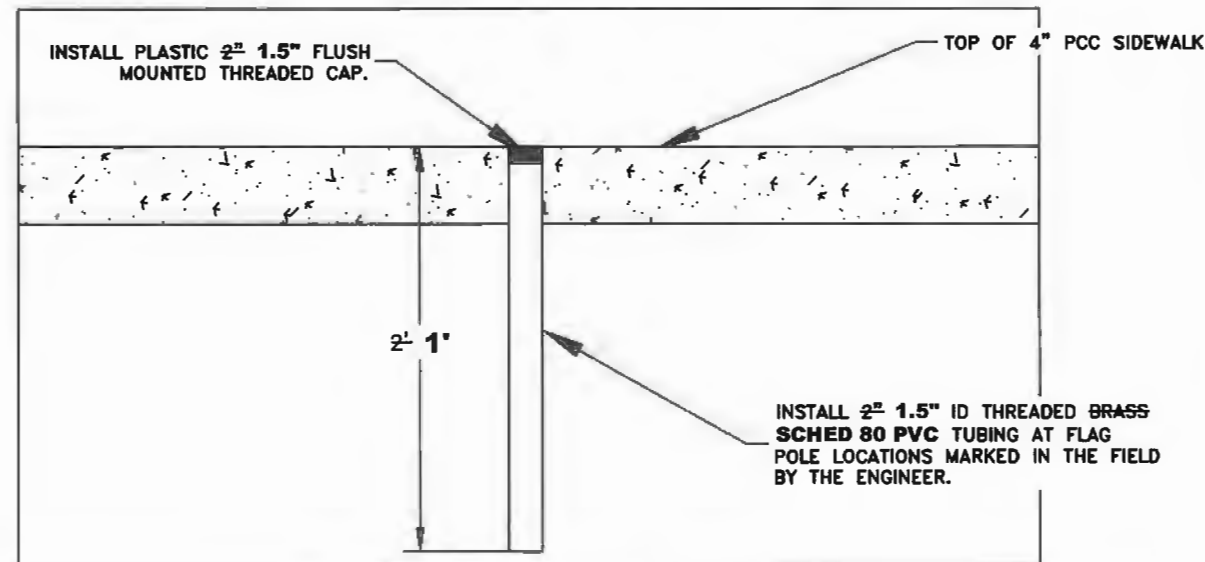
R1-5b (LEFT)
36"X36"

DETAIL L2: STOP HERE FOR PEDESTRIANS (RIGHT)
NOT TO SCALE

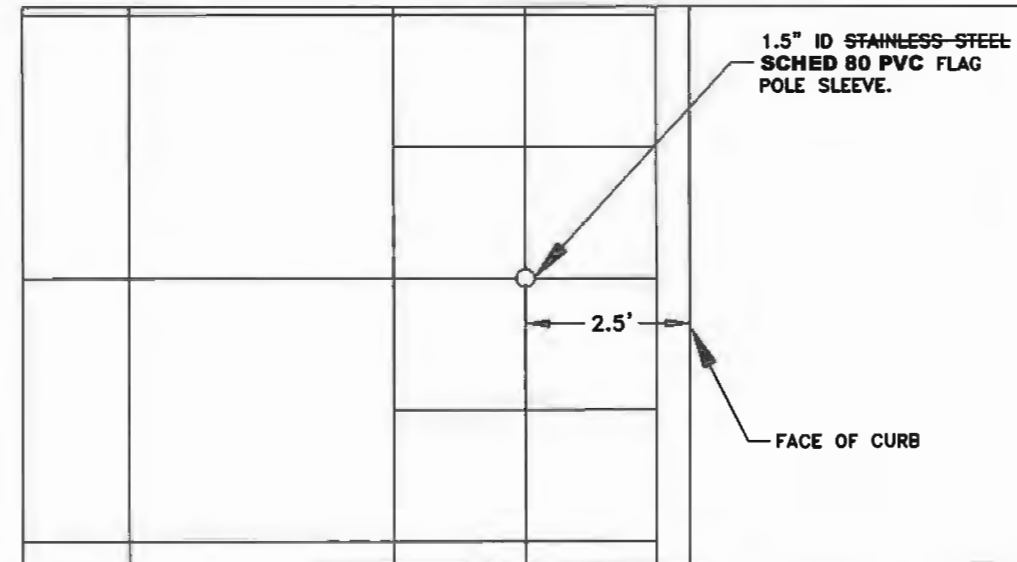


R1-5b (RIGHT)
36"X36"

DETAIL M: FLAG POLE SLEEVE
PROFILE VIEW
(NOT TO SCALE)



DETAIL N: FLAG POLE SLEEVE
PLAN VIEW
(NOT TO SCALE)



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	4/25/2017 REV 1 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
SIGN DETAILS



EXPIRATION DATE: 12/31/2017

SHEET NO. 115 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

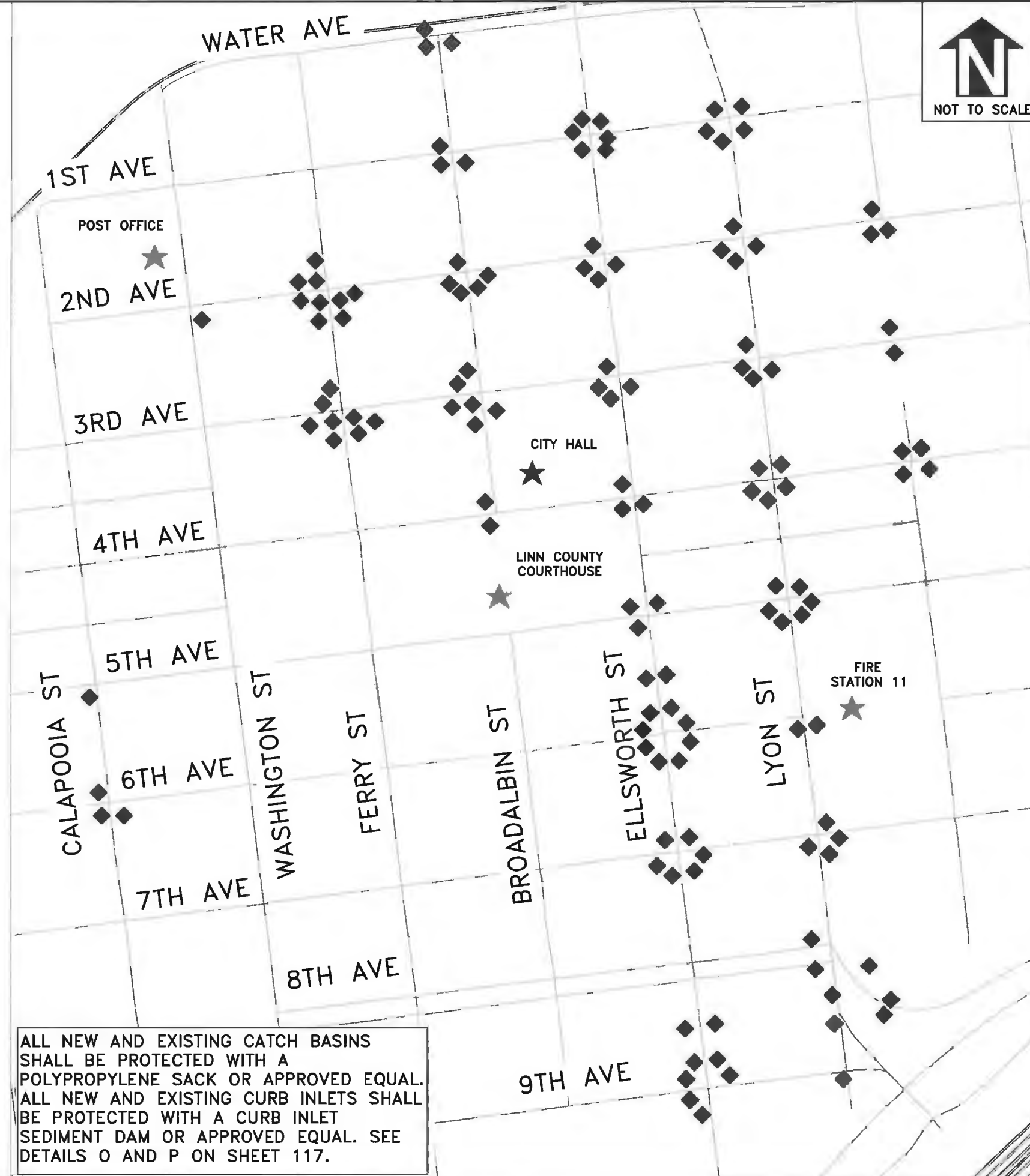
LEGEND

◆ NEW AND EXISTING INLETS REQUIRING PROTECTION DURING CONSTRUCTION

GENERAL EROSION & SEDIMENT CONTROL NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF ALBANY EPSC MANUAL. THE CURRENT VERSION OF THE CITY OF ALBANY EPSC MANUAL CAN BE FOUND ON THE CITY'S WEBSITE AT WWW.CITYOFALBANY.NET.
2. EROSION AND SEDIMENT CONTROL MEASURES INCLUDING PERIMETER SEDIMENT CONTROL SHALL BE IN PLACE BEFORE EXISTING GROUND SURFACE IS DISTURBED AND SHALL REMAIN IN PLACE AND BE MAINTAINED, REPAIRED, AND PROMPTLY IMPLEMENTED FOLLOWING PROCEDURES ESTABLISHED FOR THE DURATION OF CONSTRUCTION, INCLUDING PROTECTION FOR ACTIVE STORM DRAIN INLETS AND CATCH BASINS AND APPROPRIATE NON-STORMWATER POLLUTION CONTROLS.
3. SWEEP ALL CONCRETE GUTTERS AND VACUUM SWEEP UNDISTURBED PAVEMENT WITHIN PROJECT LIMITS AND ALL SIDE STREETS WITH CONSTRUCTION TRAFFIC AT THE END OF EACH WORKING DAY WHEN GROUND DISTURBING ACTIVITIES ARE TAKING PLACE AND AS DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL PROPERLY MANAGE HAZARDOUS WASTES, USED OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION AND MEET ALL STATE AND FEDERAL REGULATIONS AND APPROVALS.
5. THE EPSC MEASURES SHOWN ON THIS PLAN ARE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES MUST BE UPGRADED AS NEEDED TO COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL EROSION AND SEDIMENT CONTROL REGULATIONS. CHANGES TO THE EPSC MUST ALSO BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
6. SAWCUT SLURRY SHALL BE VACUUMED AND CLEANED FROM THE STREET SURFACE AT THE TIME SAWCUTTING IS PERFORMED.
7. SEDIMENT MUST BE REMOVED FROM IN FRONT OF SEDIMENT DAMS AND OTHER BARRIERS WHEN IT HAS REACHED A HEIGHT 2-INCHES AND BEFORE BMP REMOVAL.
8. VACUUMING OR DRY SWEEPING SHALL BE USED TO CLEAN UP RELEASED SEDIMENT.
9. SEDIMENTS AND OTHER POLLUTANTS ARE PROHIBITED FROM ENTERING THE STORM DRAIN SYSTEM.

ALL NEW AND EXISTING CATCH BASINS SHALL BE PROTECTED WITH A POLYPROPYLENE SACK OR APPROVED EQUAL. ALL NEW AND EXISTING CURB INLETS SHALL BE PROTECTED WITH A CURB INLET SEDIMENT DAM OR APPROVED EQUAL. SEE DETAILS O AND P ON SHEET 117.



DESIGNED: L. SCHUMACHER
 DRAWN: L. SCHUMACHER
 CHECKED: C. CERKLEWSKI
 DATE: 4/11/2017

REVISIONS	NO.	BY:

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
EROSION PREVENTION AND SEDIMENT CONTROL PLAN



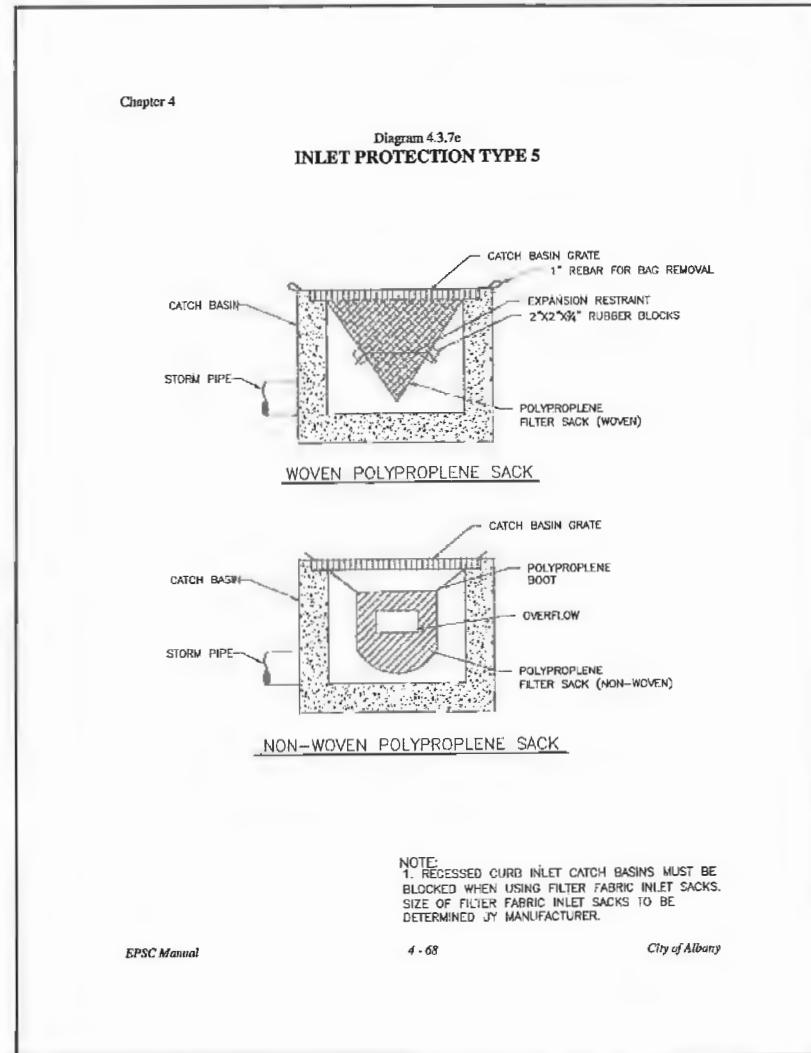
EXPIRATION DATE: 12/31/2017

SHEET NO. 116 OF 192

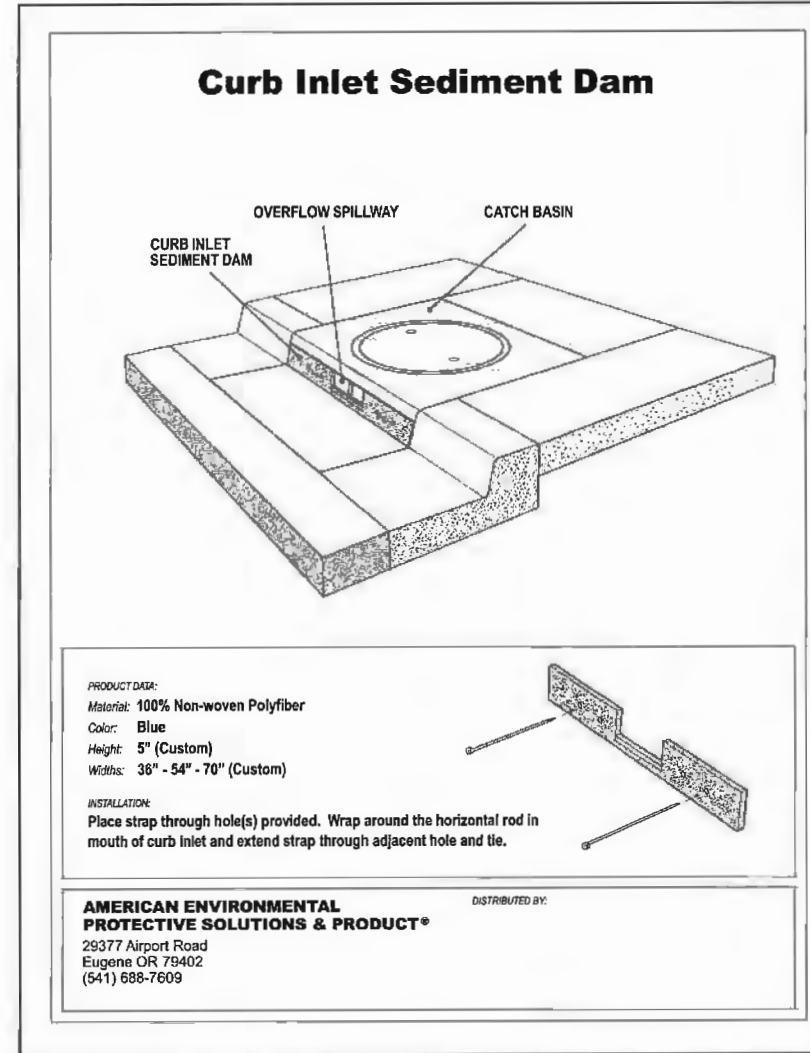
PROJECT NO: ST-15-03-B

FILE: FILENAME.DWG

DETAIL O: CATCH BASIN POLYPROPYLENE SACK



DETAIL P: CURB INLET SEDIMENT DAM

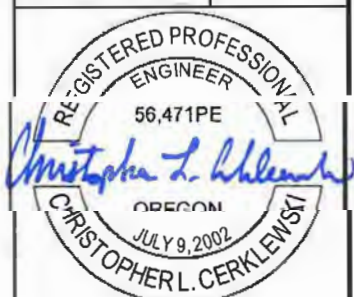
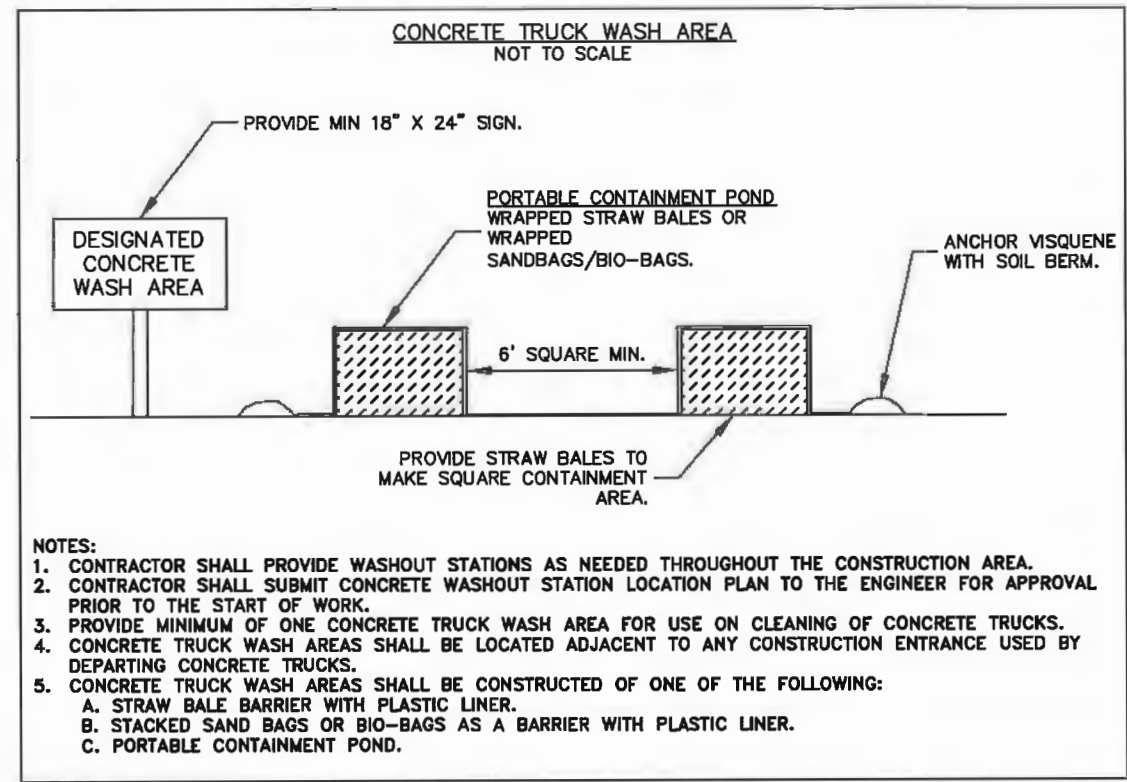


DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 4/11/2017	DATE: --

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
INLET PROTECTION AND CONCRETE TRUCK WASHOUT AREA DETAILS**



EXPIRATION DATE: 12/31/2017

SHEET NO. 117 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

DOWNTOWN STREETSCAPE IMPROVEMENTS AHEAD
CONSTRUCTION THROUGH DECEMBER 2017

CUSTOM 60"X36"
BLACK LEGEND
ORANGE BACKGROUND
4" TYPE D FONT

BUSINESSES OPEN

CUSTOM 36"X18"
WHITE LEGEND
BLUE BACKGROUND
4" TYPE D FONT

MOUNT BOTH SIGNS ON TEMPORARY POSTS AND INSTALL AT EACH LOCATION SHOWN.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 4/11/2017	DATE: ---

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
ADVANCED TEMPORARY TRAFFIC CONTROL**

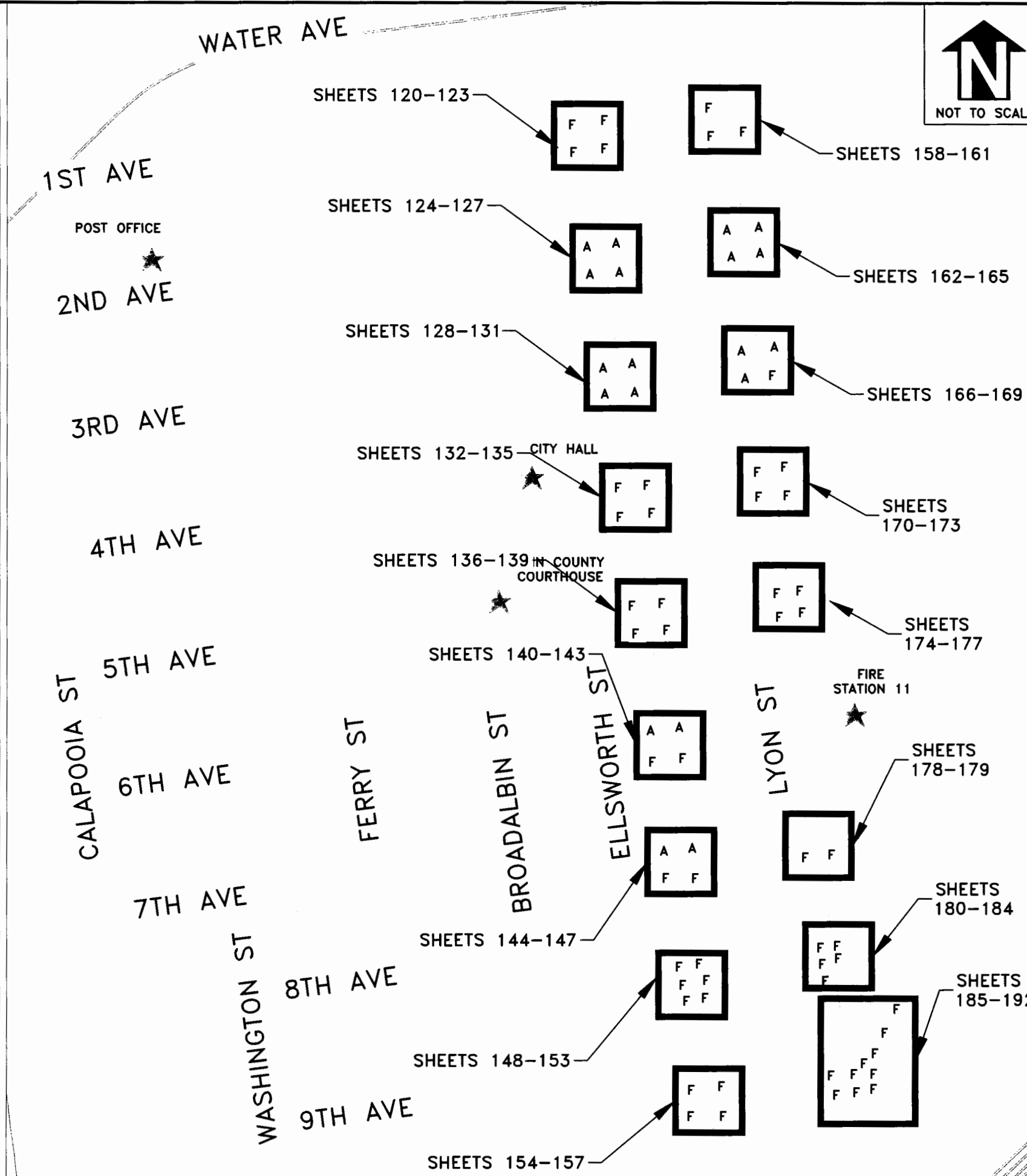


EXPIRATION DATE: 12/31/2017
SHEET NO. 118 OF 192
PROJECT NO: ST-15-03-B
FILE: FILENAME.DWG

APPROVED FOR CONSTRUCTION

GENERAL NOTES FOR CURB RAMP DETAILS:

1. REPLACE ALL CURB RAMPS ALONG LYON AND ELLSWORTH STREET IN AREAS SHOWN.
2. LETTERS WITHIN EACH BOX INDICATE THE SCHEDULE EACH CORNER IS BEING PAID UNDER.
3. COUNTER SLOPE AT CURB RAMPS IS 2% +/- TYPICAL UNLESS OTHERWISE SHOWN.
4. WHEN CONSTRUCTION ACTIVITIES BLOCK OR INTERFERE WITH NORMAL PEDESTRIAN ROUTING, PROVIDE SAFE PASSAGE FOR PEDESTRIANS EITHER THROUGH THE CONSTRUCTION, OR REROUTED AROUND THE CONSTRUCTION, UTILIZING ODOT STANDARD DRAWING TM844 AND THE REQUIREMENTS OF THE 2015 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (BROWN BOOK), PAGE 141, SUBSECTION 00220.02, 8TH BULLETED ITEM WITH REFERENCE TO THE SUBSEQUENT BULLETED ITEMS.
5. WHEN CONSTRUCTION ACTIVITIES BLOCK OR INTERFERE WITH NORMAL OPEN STATE HIGHWAY SHOULDER CONDITIONS, AND THESE IMPACTS LAST LONGER THAN 72 HOURS, FOLLOW THE TEMPORARY SIGNING AND DELINEATION REQUIREMENTS OF ODOT STANDARD DRAWINGS TM800, TM841 AND TM850, SHOULDER CLOSURE CONFIGURATION.
6. WHEN CONSTRUCTION ACTIVITIES ARE ANTICIPATED TO CLOSE AN ACTIVE TRAFFIC LANE ON THE STATE HIGHWAY, SUBMIT A WORK ZONE TRAFFIC CONTROL PLAN WHICH INCLUDES A PEDESTRIAN REROUTING PLAN TO THE ODOT DISTRICT 4 PERMIT OFFICE FOR REVIEW AND APPROVAL PRIOR TO THE CLOSURE. THE WORK ZONE TRAFFIC CONTROL PLAN SHALL MEET APPLICABLE CURRENT MUTCD STANDARDS.
7. CONTRACTOR TO PROVIDE A WRITTEN AND DRAWN PLAN WITHIN THE TRAFFIC CONTROL PLANS (TCP) THAT IDENTIFIES REQUIREMENTS FOR PROVIDING SAFE, EFFECTIVE AND ACCESSIBLE ROUTES FOR PEDESTRIANS THROUGH OR AROUND THE WORK ZONE INCLUDING TEMPORARY PEDESTRIAN ACCESSIBLE ROUTE (TPAR) DETAILS, ADVANCE PUBLIC NOTIFICATION; AND, CONSTRUCTION AND MAINTENANCE RESPONSIBILITIES TO THE ODOT DISTRICT 4 PERMIT OFFICE FOR REVIEW AND APPROVAL PRIOR TO THE CLOSURE OF ANY PEDESTRIAN FACILITY ON THE STATE HIGHWAY.
8. ALL CURB RAMPS ALONG THE STATE HIGHWAY SHALL HAVE BRICK RED TRUNCATED DOMES. ALL CURB RAMPS INSTALLED ON CITY STREETS SHALL HAVE BLACK TRUNCATED DOMES. SEE STANDARD DRAWING NO. 315.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO:
CHECKED: C. CERKLEWSKI	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1: 9/20/2017
	REV 2: C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

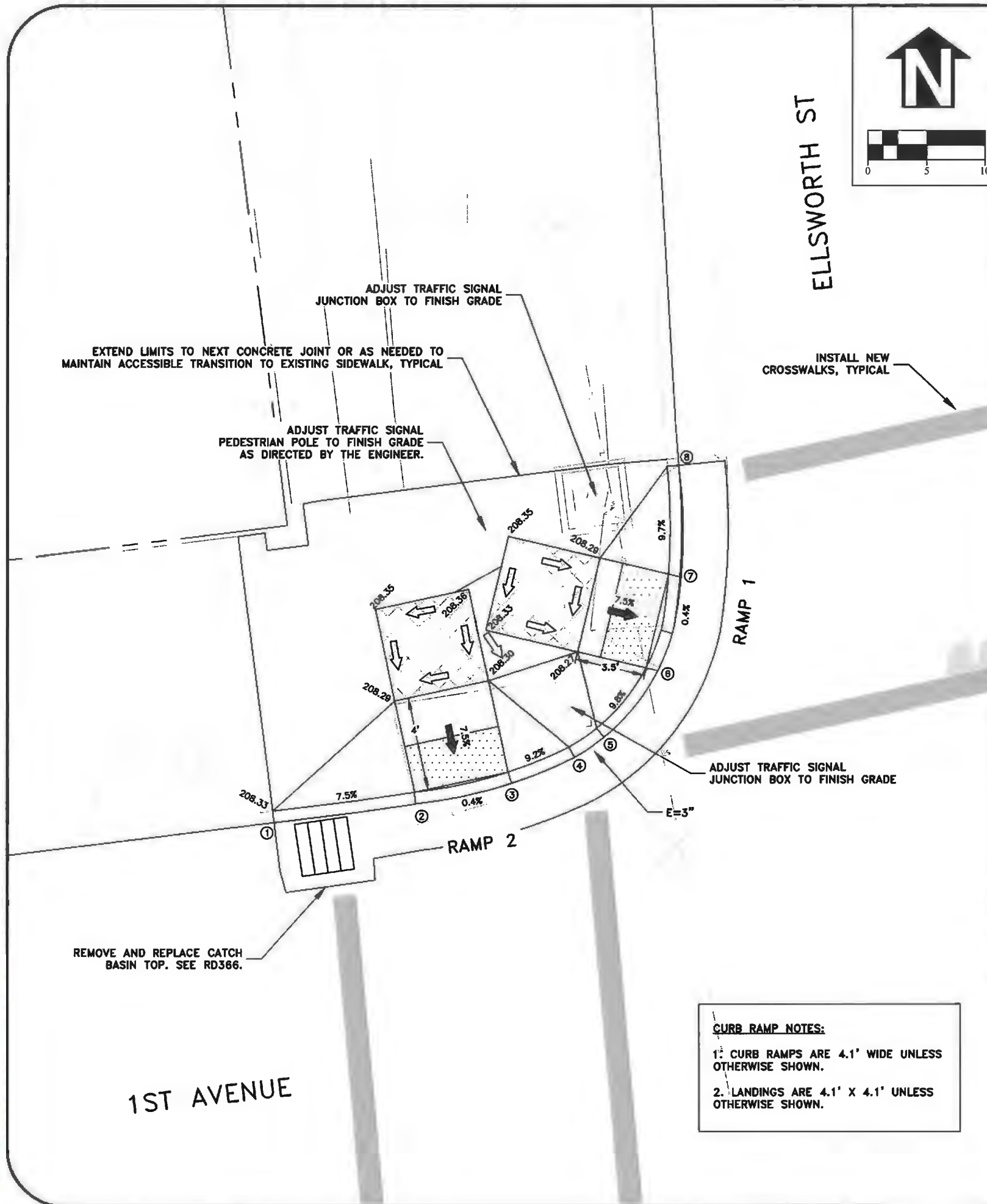


ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
LYON AND ELLSWORTH CURB RAMP COVER SHEET



EXPIRATION DATE: 12/31/2017
SHEET NO. 119 OF 192
PROJECT NO: ST-15-03-B
FILE: FILENAME.DWG

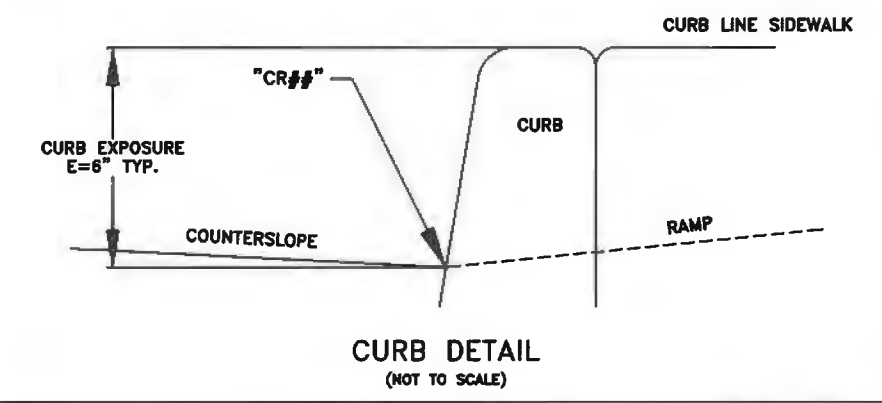
**APPROVED FOR
CONSTRUCTION**



CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D24+16.72 L31.48	207.92
2	D24+16.77 L29.02	207.96
3	D24+17.13 L24.83	207.97
4	D24+17.90 L22.06	207.98
5	D24+18.60 L20.70	207.99
6	D24+21.14 L18.08	208.01
7	D24+25.02 L16.64	208.03
8	D24+29.76 L16.10	207.86

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.57
 CORNER POSITION: 1
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2

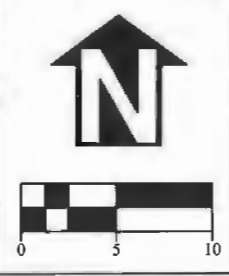
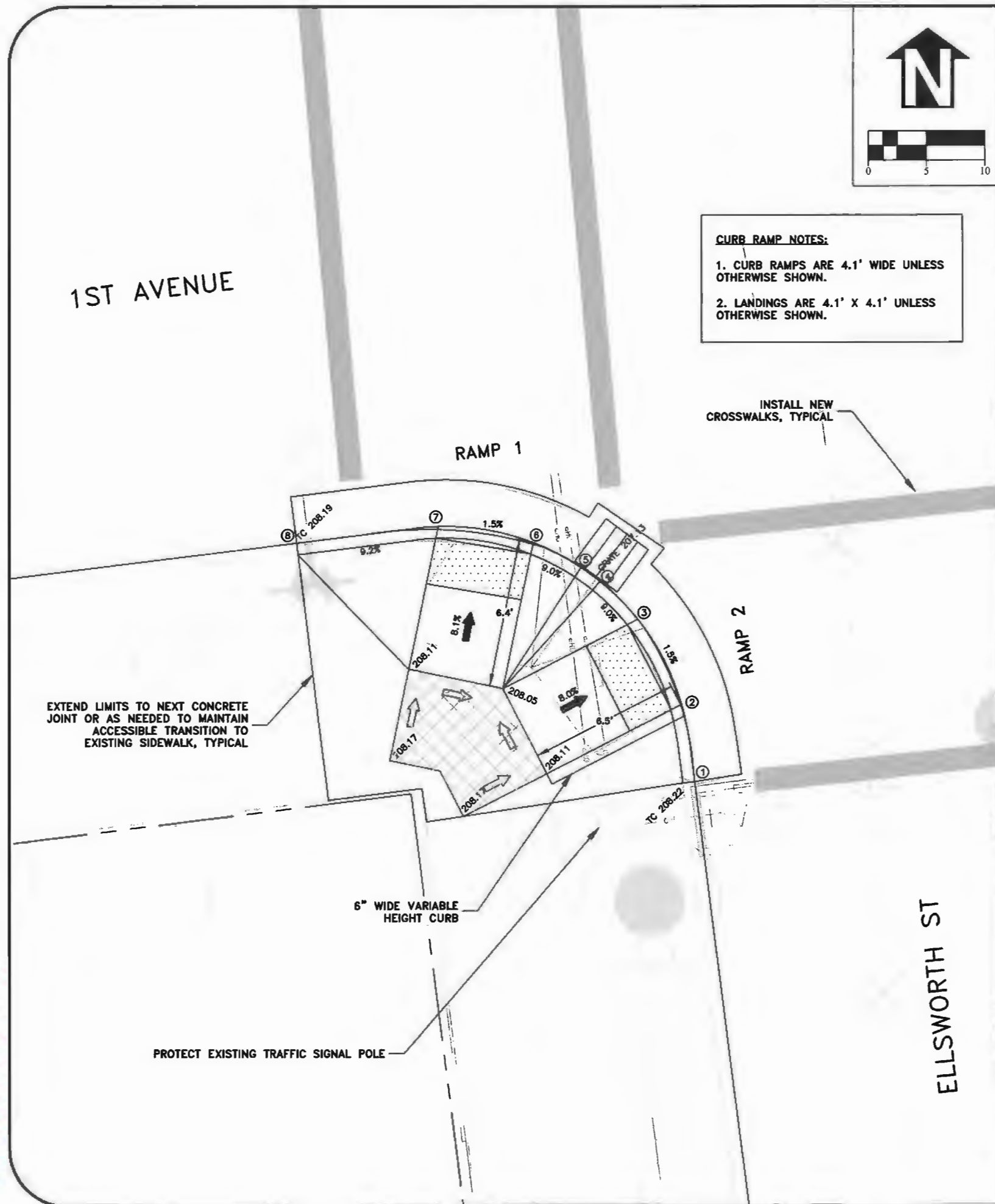
**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
1ST AND ELLSWORTH CURB RAMP DETAIL - CORNER 1**

REGISTERED PROFESSIONAL ENGINEER
 56,471PE
Christopher L. Cerkowski
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI
 EXPIRATION DATE: 12/31/2017
 SHEET NO. 120 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

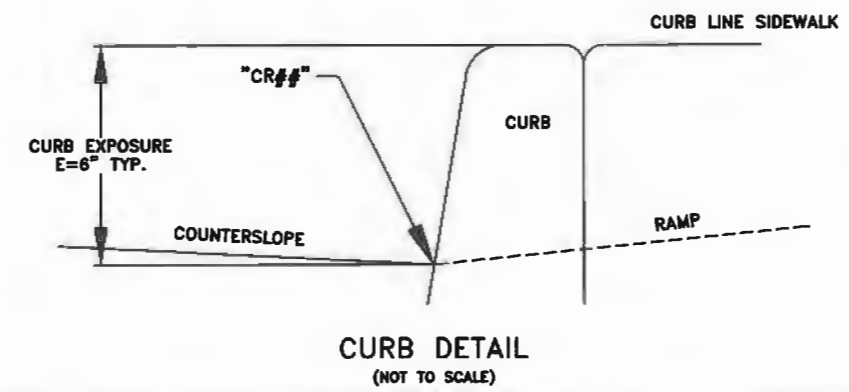
APPROVED FOR CONSTRUCTION



CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D23+62.23 L20.91	207.64
2	D23+65.59 L21.04	207.59
3	D23+69.44 L22.44	207.53
4	D23+71.26 L23.86	207.72
5	D23+71.86 L24.57	207.72
6	D23+73.26 L26.49	207.53
7	D23+74.44 L30.42	207.59
8	D23+74.50 L36.54	207.69

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.57
 CORNER POSITION: 2
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	C. CERKLEWSKI

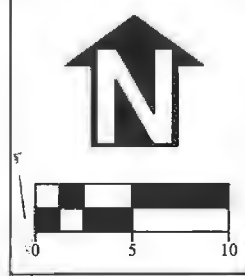
**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 1ST AND ELLSWORTH CURB RAMP DETAIL - CORNER 2**



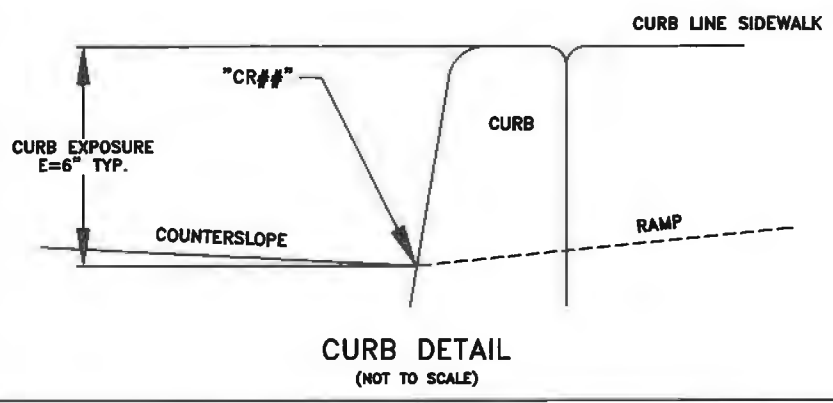
EXPIRATION DATE: 12/31/2017
 SHEET NO. 121 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
- SLOPES HOLD OVER ELEVATIONS.
 - MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 - SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.




LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D23+64.04 R21.40	207.73
2	D23+64.54 R21.48	207.74
3	D23+68.63 R22.69	207.82
4	D23+70.86 R24.34	207.81
5	D23+71.59 R25.02	207.81
6	D23+73.02 R27.06	207.85
7	D23+74.35 R31.18	207.88
8	D23+74.41 R37.81	207.85

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.57
 CORNER POSITION: 3
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	DATE: 9/20/2017
	BY: C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
1ST AND ELLSWORTH CURB RAMP DETAIL - CORNER 3**

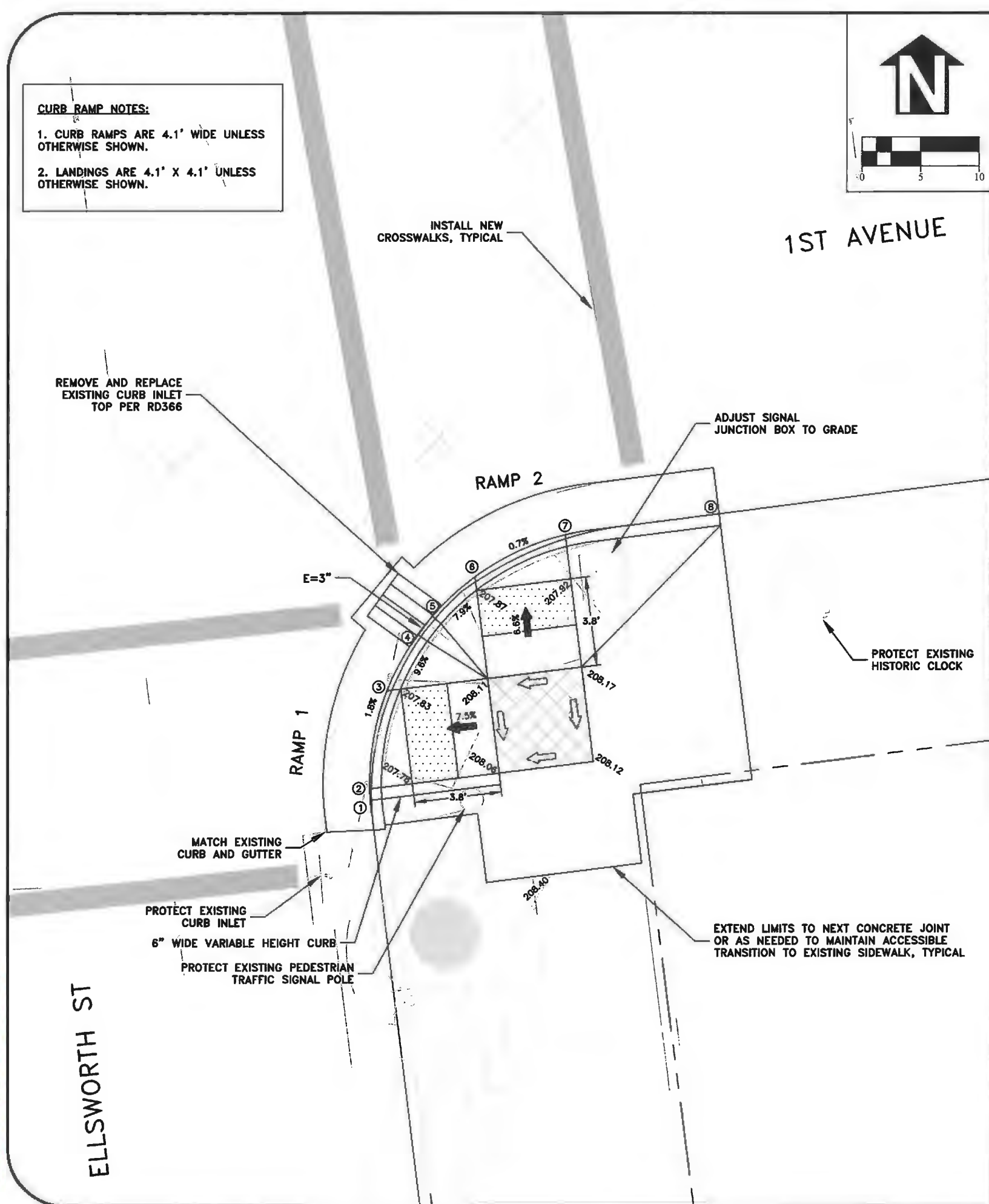
REGISTERED PROFESSIONAL
ENGINEER
56,471PE
Christopher L. Cholewicki
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

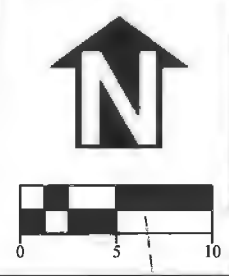
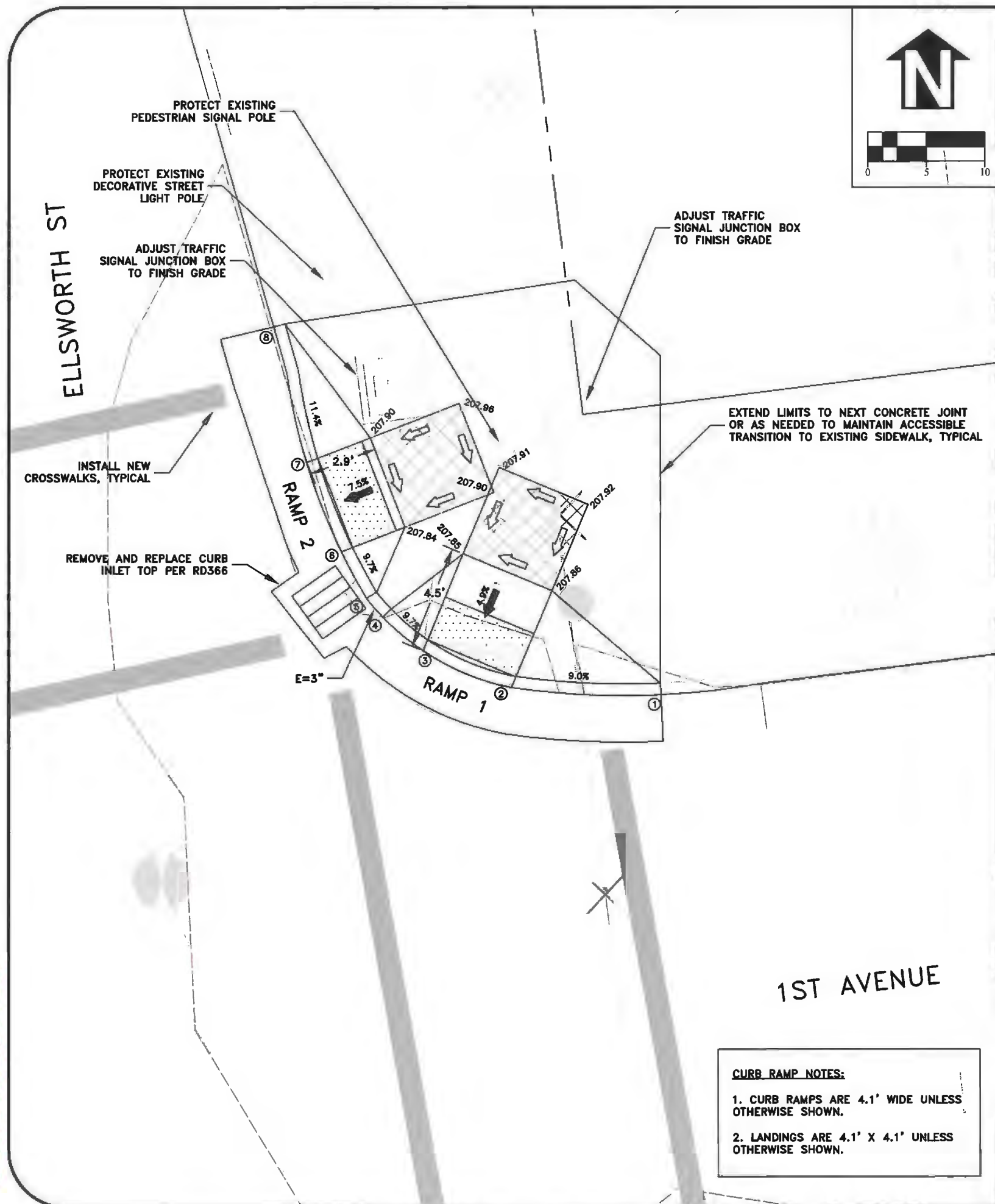
SHEET NO. 122 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

ELLSWORTH ST

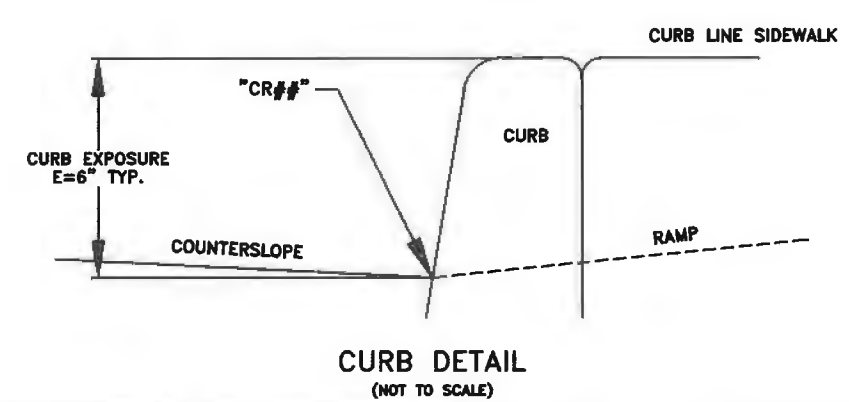


APPROVED FOR CONSTRUCTION



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D24+16.92 R34.83	207.65
2	D24+18.02 R28.53	207.64
3	D24+20.06 R24.97	207.63
4	D24+21.70 R23.43	207.60
5	D24+22.60 R22.84	207.60
6	D24+24.70 R22.04	207.63
7	D24+28.38 R21.04	207.69
8	D24+34.60 R20.36	207.82

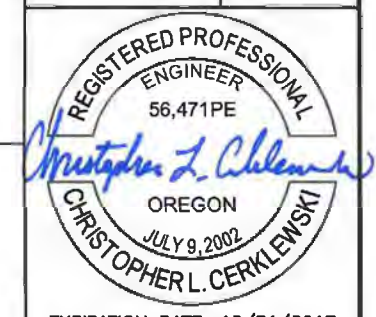
CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.57
 CORNER POSITION: 4
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	DATE: 4/25/2017
	DATE: 9/20/2017
	DATE: 4/11/2017

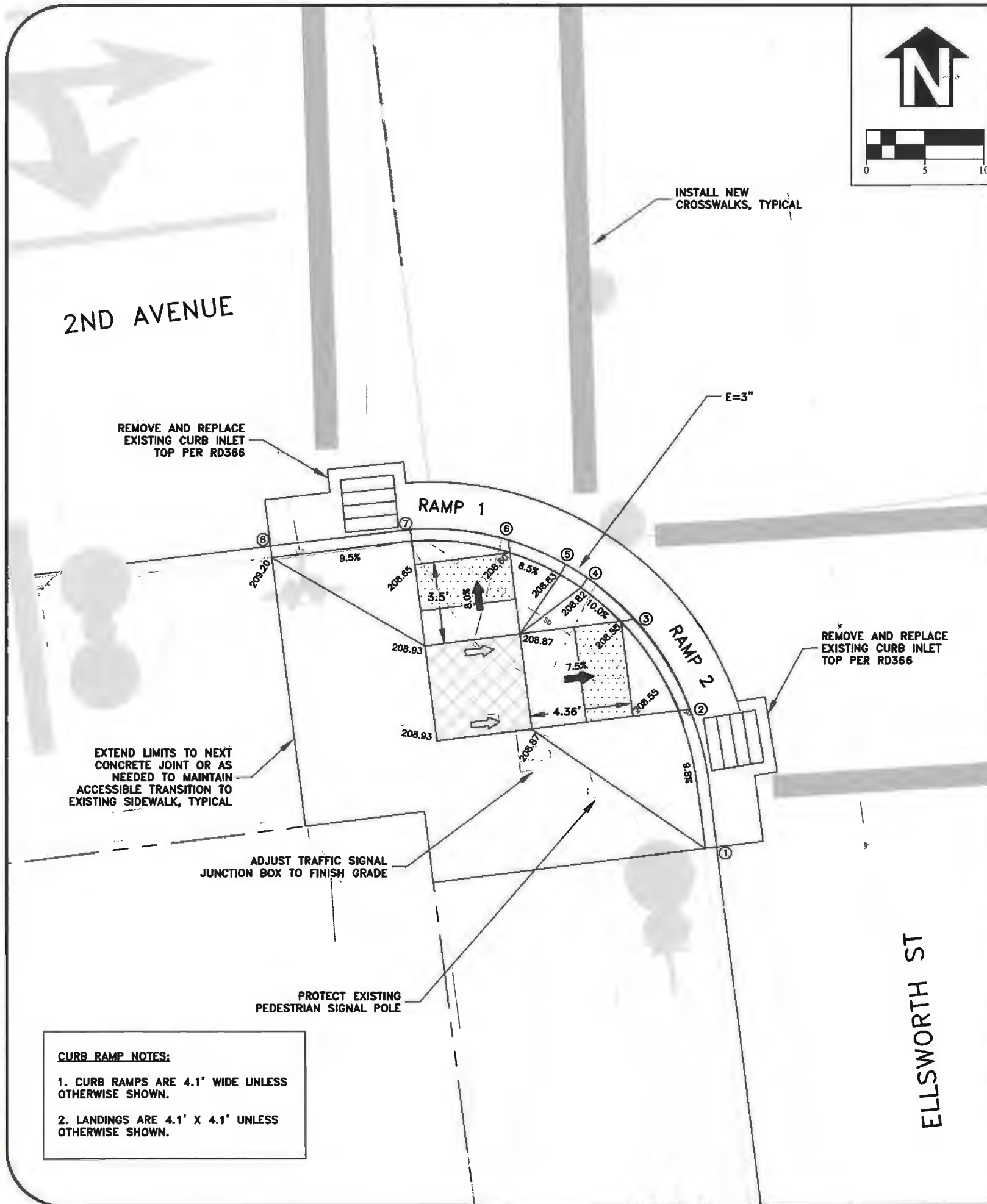
**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 1ST AND ELLSWORTH CURB RAMP DETAIL - CORNER 4**



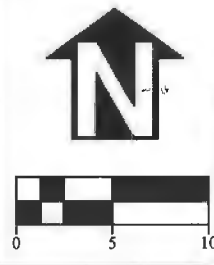
EXPIRATION DATE: 12/31/2017
 SHEET NO. 123 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**



CURB RAMP NOTES:

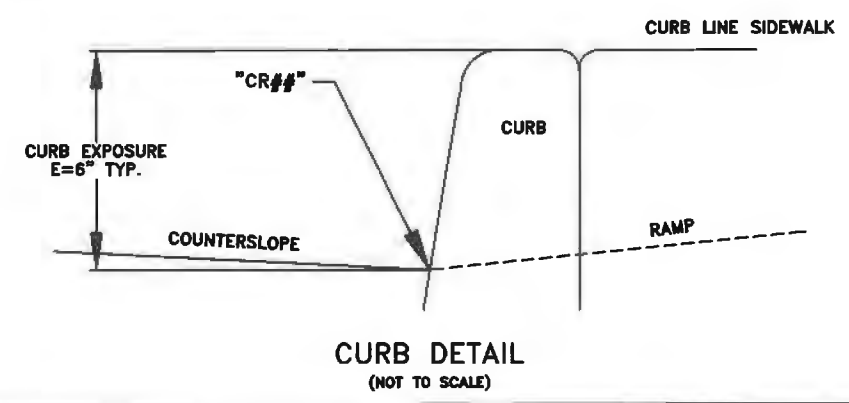
1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D20+69.72 L20.81	209.00
2	D20+75.71 L21.19	208.52
3	D20+79.81 L23.02	208.55
4	D20+81.82 L24.81	208.57
5	D20+82.52 L25.66	208.58
6	D20+83.87 L28.00	208.60
7	D20+84.83 L32.10	208.63
8	D20+84.87 L38.10	208.65

DESIGN EXCEPTION CONTROL:

LRM: 03100100

MP: 10.61

CORNER POSITION: 2

RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	DATE:
DATE: 4/11/2017	NO:
DATE: 4/25/2017	BY: L. SCHUMACHER
DATE: 9/20/2017	REV 1
DATE: ---	REV 2
DATE: ---	REV 3
DATE: ---	REV 4

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
2ND AND ELLSWORTH CURB RAMP DETAIL - CORNER 2**



EXPIRATION DATE: 12/31/2017

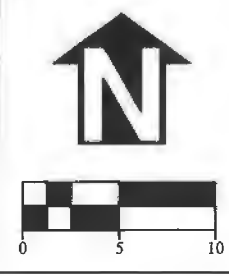
SHEET NO. 125 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

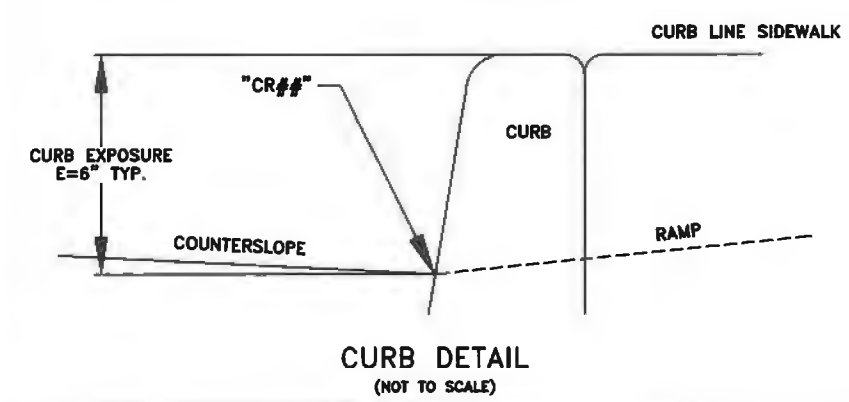
CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

2ND AVENUE



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- RAMP 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D20+66.78 R20.83	208.48
2	D20+72.78 R20.83	208.46
3	D20+76.88 R21.46	208.44
4	D20+81.91 R23.86	208.44
5	D20+81.91 R24.78	208.50
6	D20+84.29 R28.90	208.58
7	D20+85.00 R33.00	208.55
8	D20+84.98 R38.00	208.52

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.61
 CORNER POSITION: 3
 RAMP NUMBER: 1 AND 2

REMOVE AND REPLACE CURB INLET TOP PER RD366

INSTALL NEW CROSSWALKS, TYPICAL

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

PROTECT EXISTING TRAFFIC SIGNAL POLE

DESIGNED: C. CERKLEWSKI	BY:
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	REV 1
DATE: 4/11/2017	REV 2
	REV 3
	REV 4
	REV 5
	REV 6
	REV 7
	REV 8
	REV 9
	REV 10

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 2ND AND ELLSWORTH CURB RAMP DETAIL - CORNER 3



EXPIRATION DATE: 12/31/2017
 SHEET NO. 126 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

ELLSWORTH ST

**APPROVED FOR
CONSTRUCTION**

ELLSWORTH ST

ADJUST TRAFFIC SIGNAL
JUNCTION BOX TO FINISH GRADE

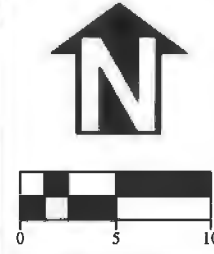
RAMP 2

RAMP 1

INSTALL NEW
CROSSWALKS, TYPICAL

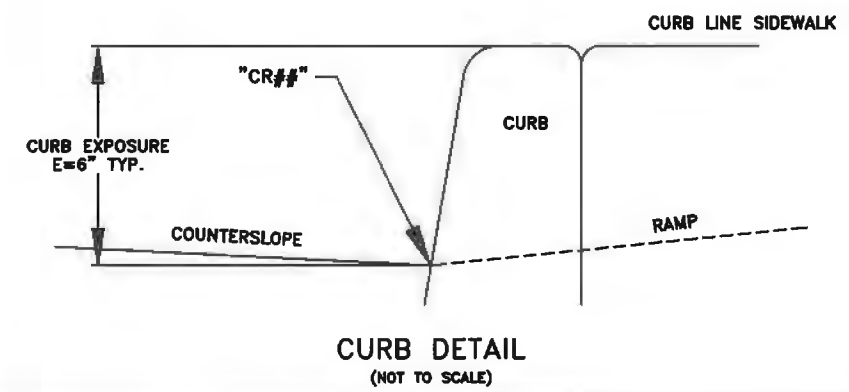
2ND AVENUE

EXTEND LIMITS TO NEXT
CONCRETE JOINT OR AS
NEEDED TO MAINTAIN
ACCESSIBLE TRANSITION TO
EXISTING SIDEWALK, TYPICAL



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:
- SLOPES HOLD OVER ELEVATIONS.
 - MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 - SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D21+26.84 R37.91	208.42
2	D21+26.85 R31.92	208.48
3	D21+27.63 R27.81	208.52
4	D21+28.92 R25.32	208.55
5	D21+29.56 R24.55	208.56
6	D21+31.70 R22.70	208.59
7	D21+35.79 R21.13	208.57
8	D21+39.91 R21.11	208.55

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.61
 CORNER POSITION: 4
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO: BY:
CHECKED: G. GRAHAM	4/25/2017 REV 1 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

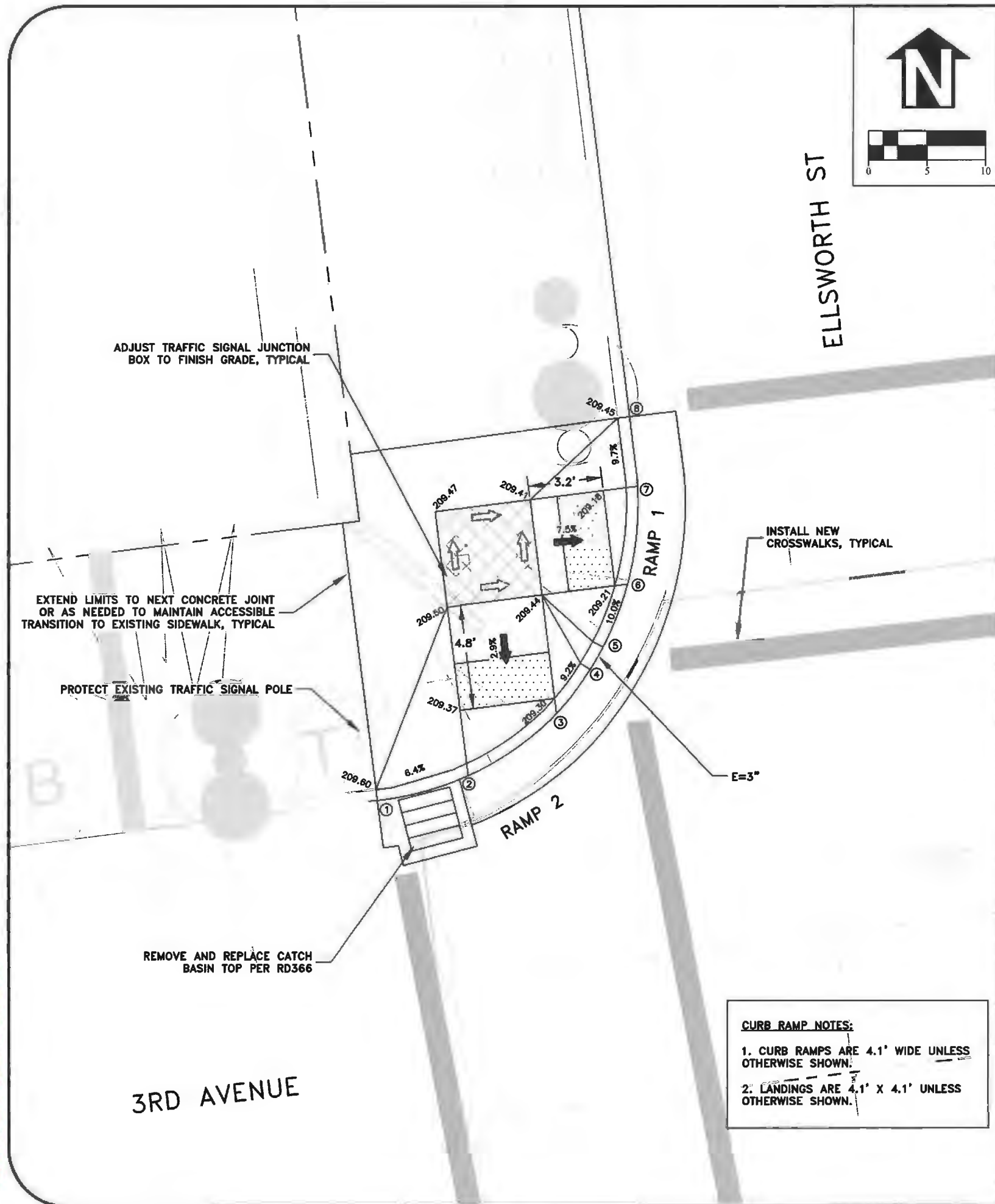
PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 2ND AND ELLSWORTH CURB RAMP DETAIL - CORNER 4



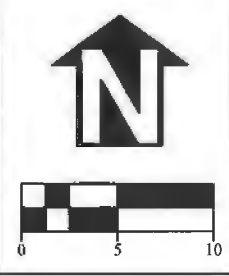
EXPIRATION DATE: 12/31/2017
 SHEET NO. 127 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

APPROVED FOR CONSTRUCTION



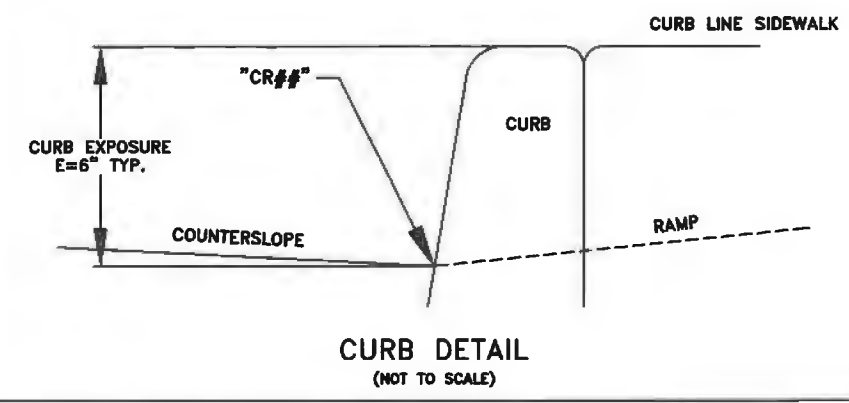
3RD AVENUE

ELLSWORTH ST



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D18+34.51 L33.72	209.45
2	D18+35.08 L29.74	209.34
3	D18+37.25 L25.64	209.29
4	D18+38.96 L23.97	209.26
5	D18+39.84 L23.30	209.25
6	D18+42.38 L21.93	209.21
7	D18+46.48 L20.99	209.16
8	D18+49.48 L20.97	209.13

CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.66
 CORNER POSITION: 1
 RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO: BY:
CHECKED: G. GRAHAM	4/25/2017 REV 1 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

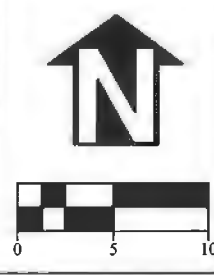
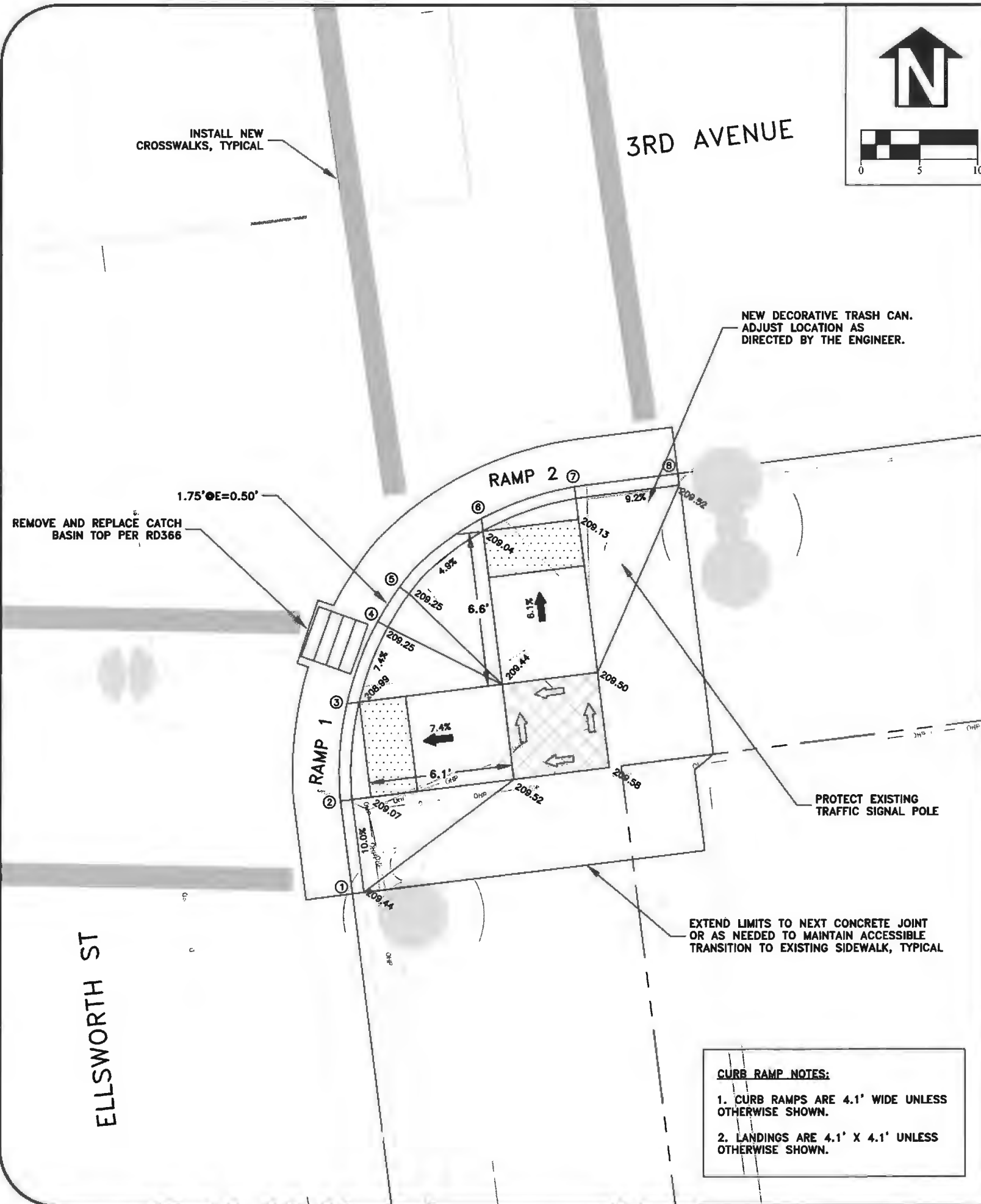
PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 3RD AND ELLSWORTH CURB RAMP DETAIL - CORNER 1**

EXPIRATION DATE: 12/31/2017
 SHEET NO. 128 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

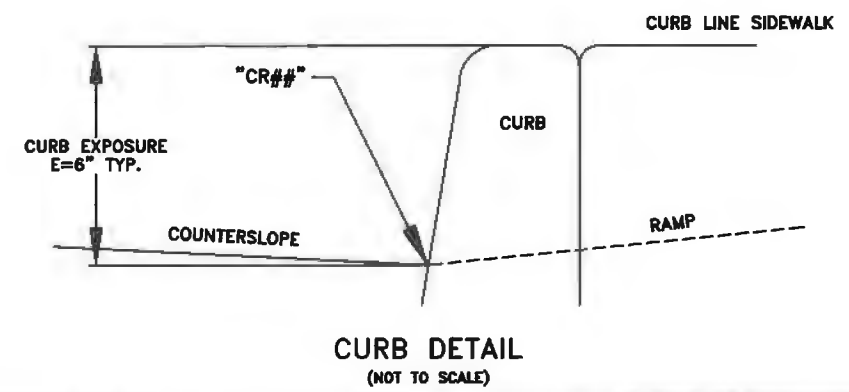
APPROVED FOR CONSTRUCTION

ELLSWORTH ST



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D17+76.49 R20.97	208.95
2	D17+80.48 R20.95	209.04
3	D17+84.58 R21.74	208.98
4	D17+89.25 R24.81	208.76
5	D17+89.25 R24.61	208.76
6	D17+91.71 R28.41	209.03
7	D17+92.58 R32.50	209.11
8	D17+92.59 R36.97	209.02

CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.66
 CORNER POSITION: 3
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY:
DATE: 4/11/2017	NO:
	DATE:
	4/25/2017
	REV 1
	9/20/2017
	REV 2

**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 3RD AND ELLSWORTH CURB RAMP DETAIL - CORNER 3**

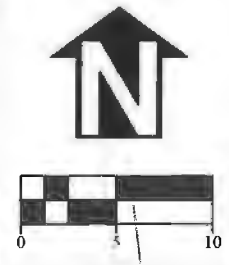
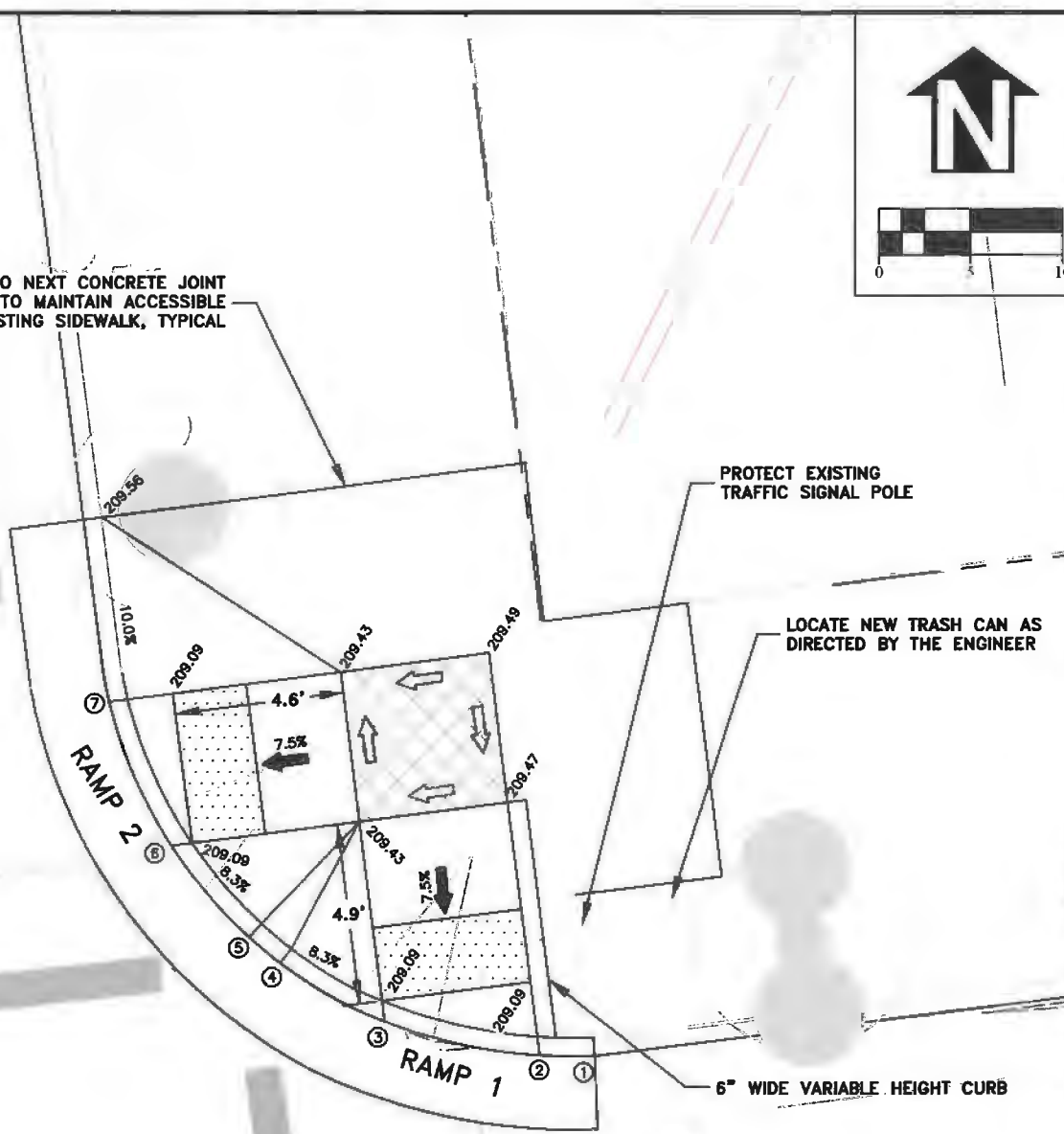


EXPIRATION DATE: 12/31/2017
 SHEET NO. 130 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

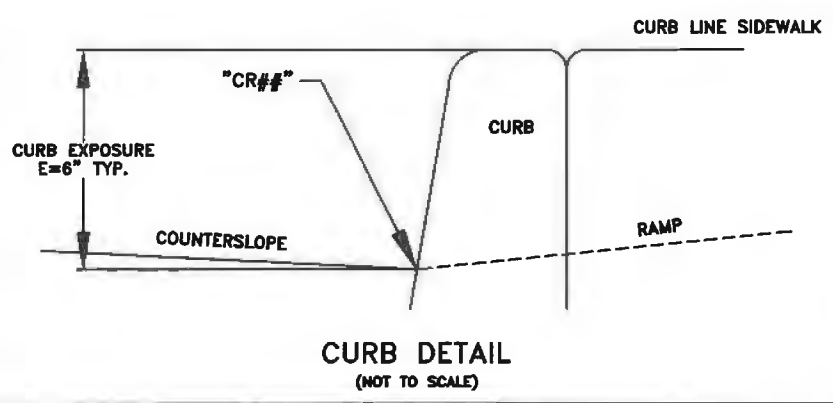
ELLSWORTH ST

EXTEND LIMITS TO NEXT CONCRETE JOINT
OR AS NEEDED TO MAINTAIN ACCESSIBLE
TRANSITION TO EXISTING SIDEWALK, TYPICAL



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D18+34.56 R32.98	209.05
2	D18+34.77 R31.50	209.06
3	D18+36.21 R27.40	209.08
4	D18+38.15 R24.78	209.10
5	D18+38.95 R24.03	209.10
6	D18+41.68 R22.25	209.08
7	D18+45.78 R21.07	209.06
8	D18+50.78 R20.98	209.05

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.66
 CORNER POSITION: 4
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	DATE: 9/20/2017
	BY: C. CERKLEWSKI
	DATE: --
	BY: --
	DATE: --

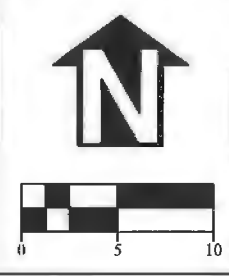
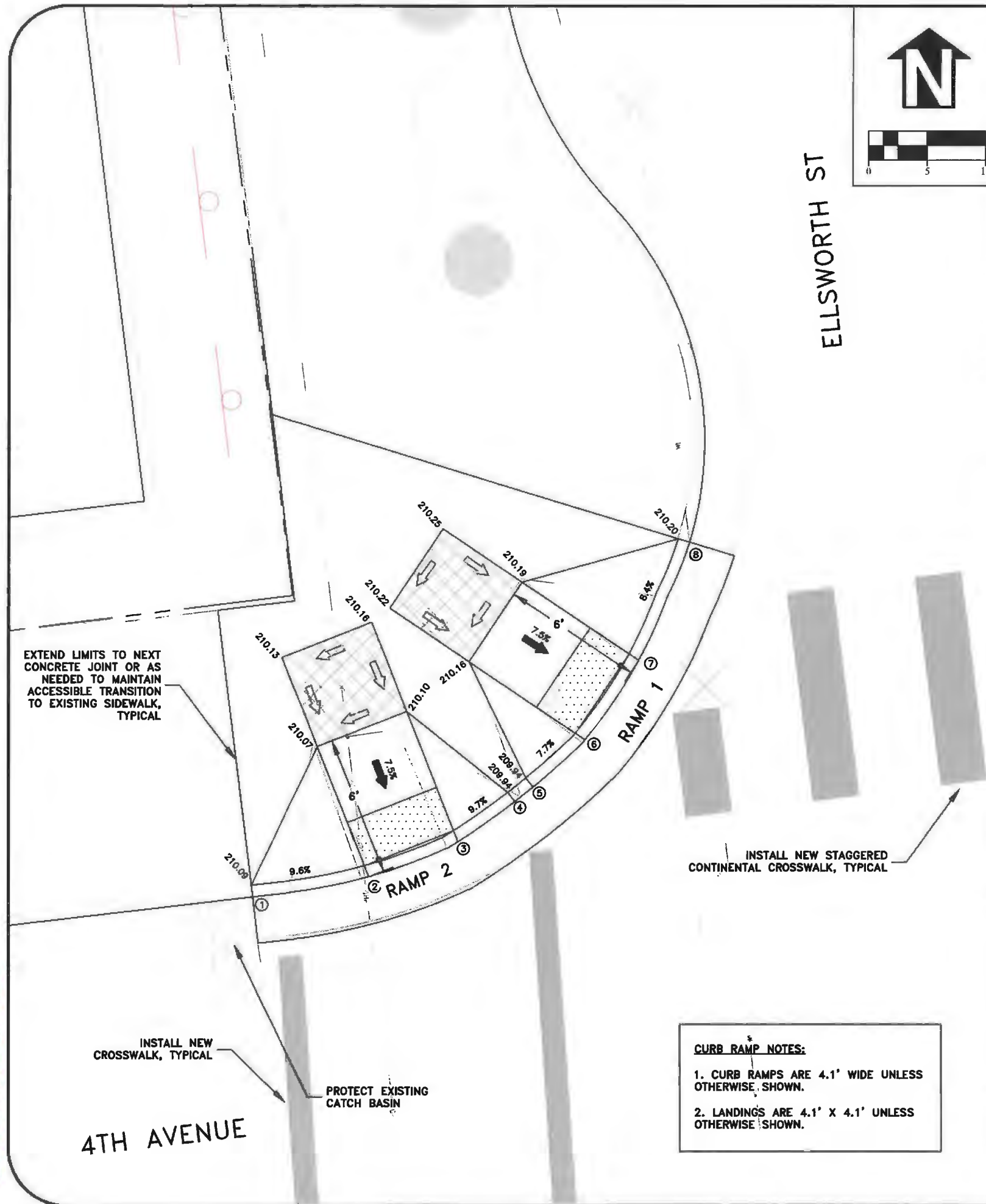
PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 3RD AND ELLSWORTH CURB RAMP DETAIL - CORNER 4



EXPIRATION DATE: 12/31/2017
 SHEET NO. 131 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

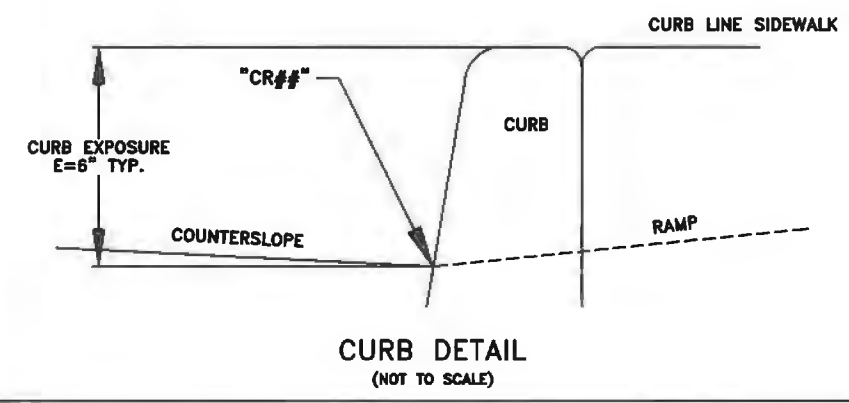
**APPROVED FOR
CONSTRUCTION**



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

- SLOPES HOLD OVER ELEVATIONS.
- MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
- SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D15+41.95 L36.27	209.52
2	D15+42.20 L31.27	209.62
3	D15+43.22 L27.30	209.65
4	D15+44.62 L24.65	209.68
5	D15+45.15 L23.80	209.69
6	D15+46.88 L21.35	209.71
7	D15+49.97 L18.66	209.74
8	D15+54.73 L15.89	209.75

CURB RAMP NOTES:

- CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
- LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

DESIGN EXCEPTION CONTROL:

LRM: 03100100

MP: 10.72

CORNER POSITION: 1

RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO: BY:
CHECKED: G. GRAHAM	4/23/2017 REV 1 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
4TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 1**



EXPIRATION DATE: 12/31/2017

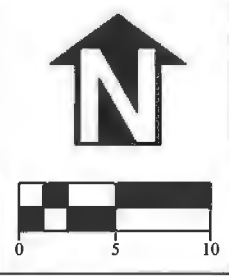
SHEET NO. 132 OF 192

PROJECT NO: ST-15-03-B

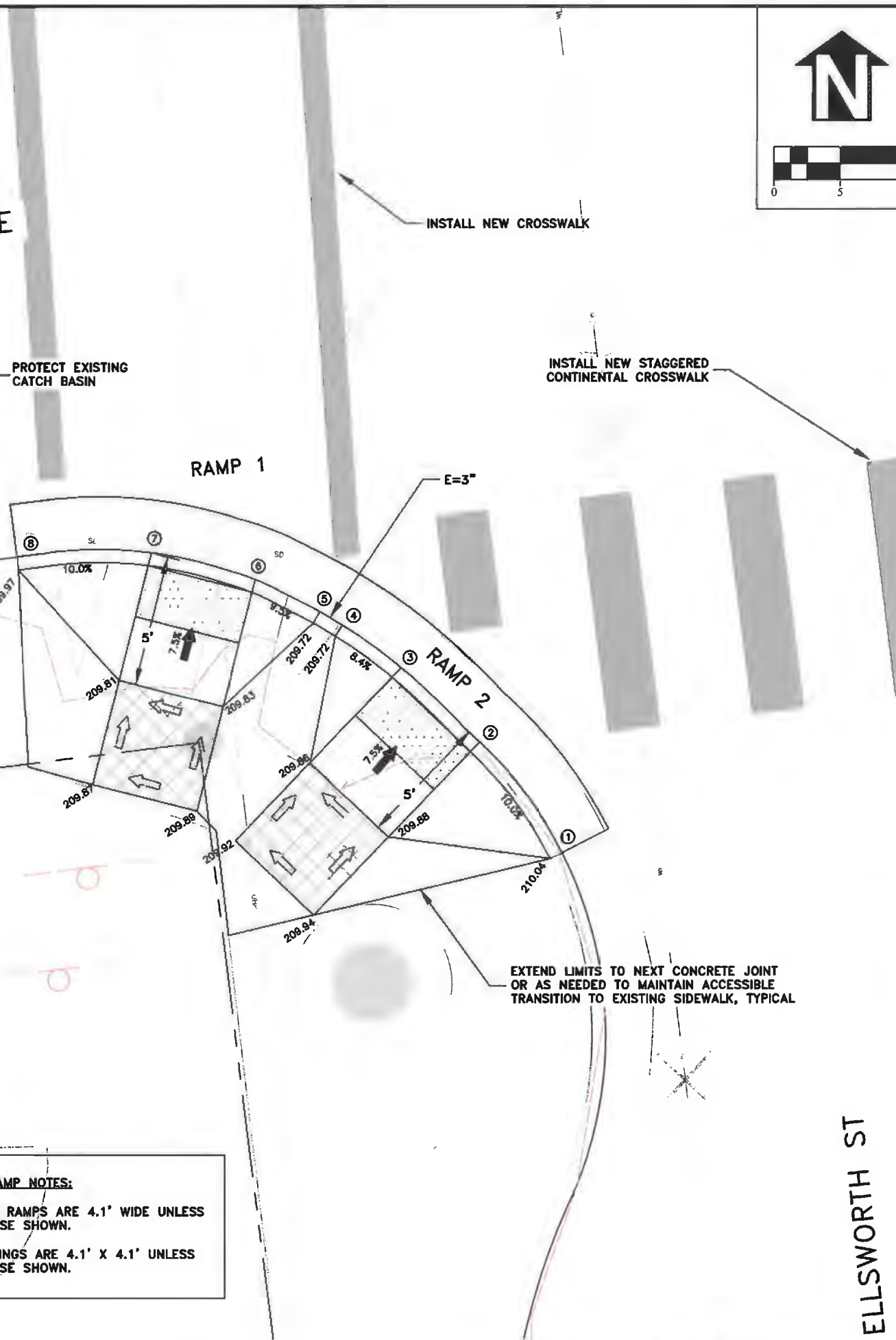
FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

4TH AVENUE

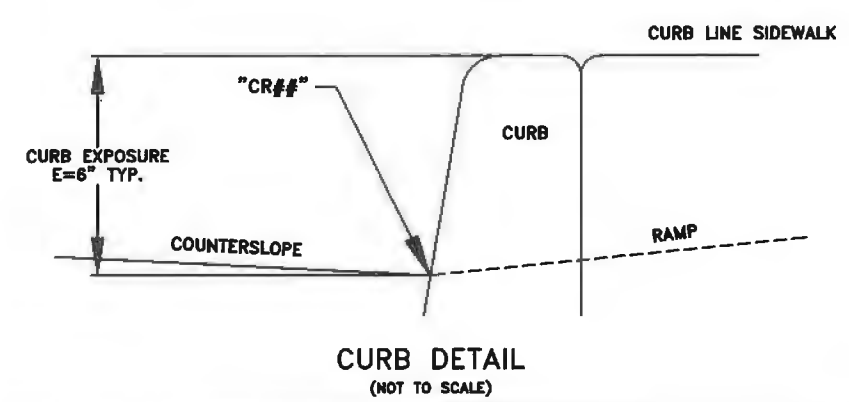


CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.




LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D14+82.69 L19.83	209.54
2	D14+87.26 L22.42	209.51
3	D14+90.44 L25.02	209.49
4	D14+92.32 L27.02	209.47
5	D14+92.93 L27.81	209.47
6	D14+94.46 L30.10	209.46
7	D14+95.95 L33.92	209.44
8	D14+96.43 L39.00	209.39

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.72
 CORNER POSITION: 2
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY:
DATE: 4/11/2017	NO:
	REV 1
	REV 2
	REV 3
	REV 4
	REV 5
	REV 6
	REV 7
	REV 8
	REV 9
	REV 10

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
4TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 2**

REGISTERED PROFESSIONAL
ENGINEER
56,471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 133 OF 192

PROJECT NO: ST-15-03-B

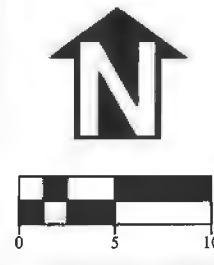
FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

ELLSWORTH ST

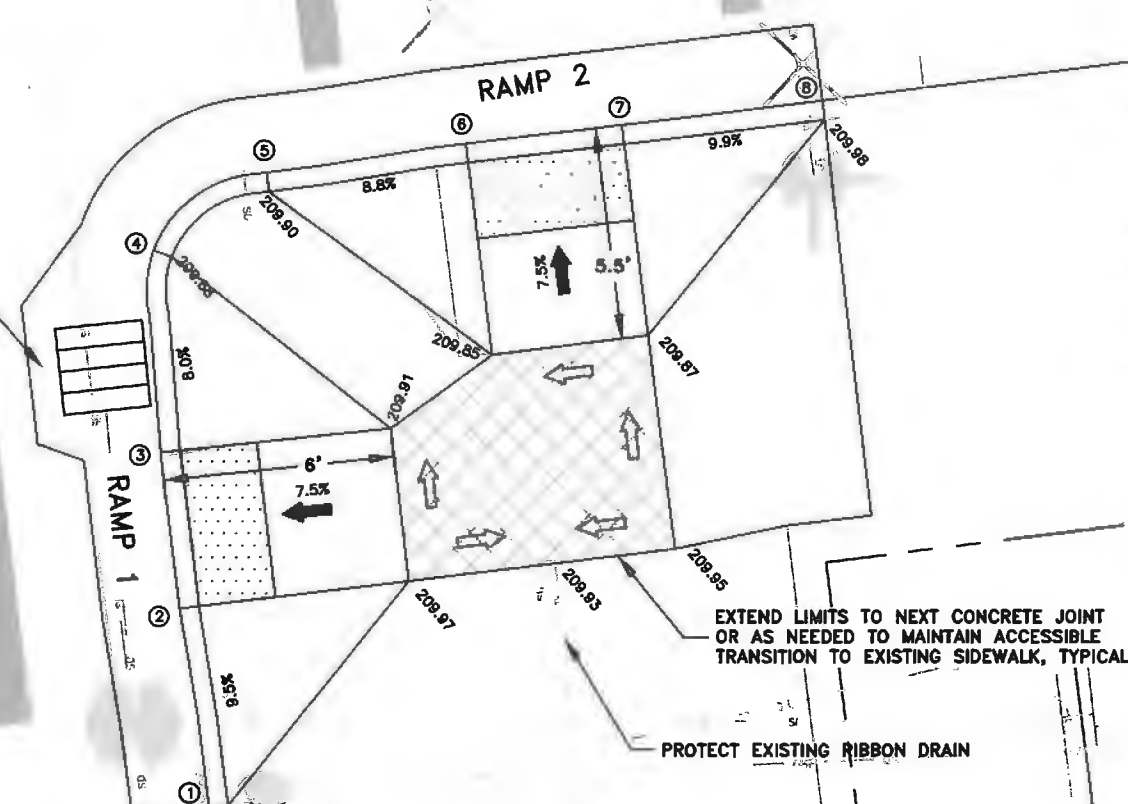
INSTALL NEW
CROSSWALK, TYPICAL

4TH AVENUE



REMOVE AND REPLACE CATCH
BASIN TOP PER RD366

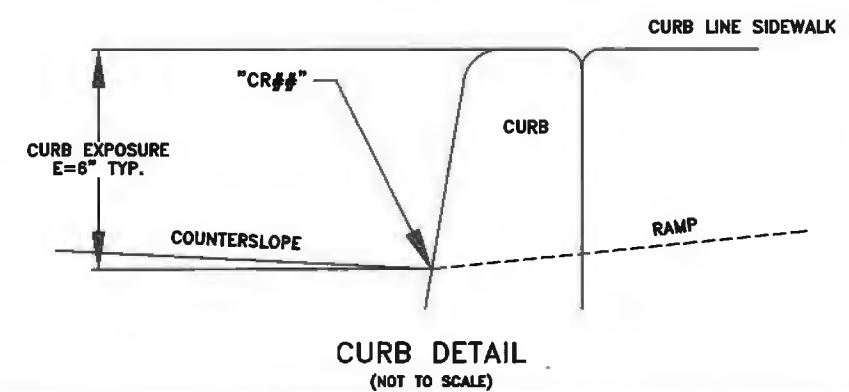
INSTALL STAGGERED
CONTINENTAL CROSSWALK



CURB RAMP NOTES:
1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D14+84.23 R16.26	209.55
2	D14+89.48 R16.15	209.52
3	D14+93.58 R16.17	209.46
4	D14+98.83 R16.65	209.38
5	D15+00.48 R19.79	209.40
6	D15+00.59 R25.04	209.44
7	D15+00.56 R29.14	209.46
8	D15+00.54 R34.39	209.48

DESIGN EXCEPTION CONTROL:
LRM: 03100100
MP: 10.72
CORNER POSITION: 3
RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/13/2017	REV 1
	REV 2

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
4TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 3



EXPIRATION DATE: 12/31/2017
SHEET NO. 134 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

ELLSWORTH ST

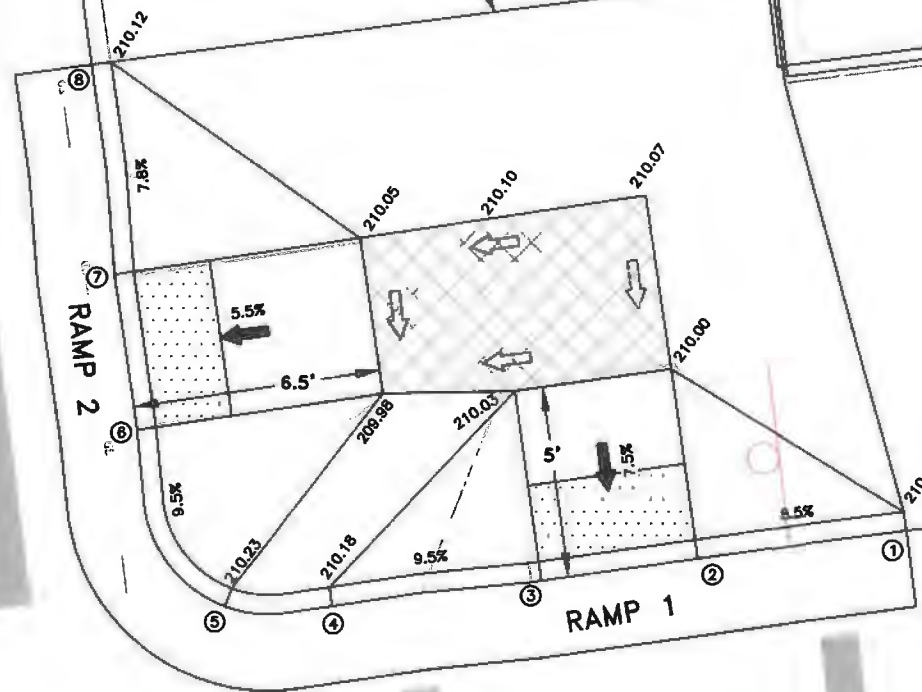
EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

INSTALL STAGGERED CONTINENTAL CROSSWALK

INSTALL NEW CROSSWALK

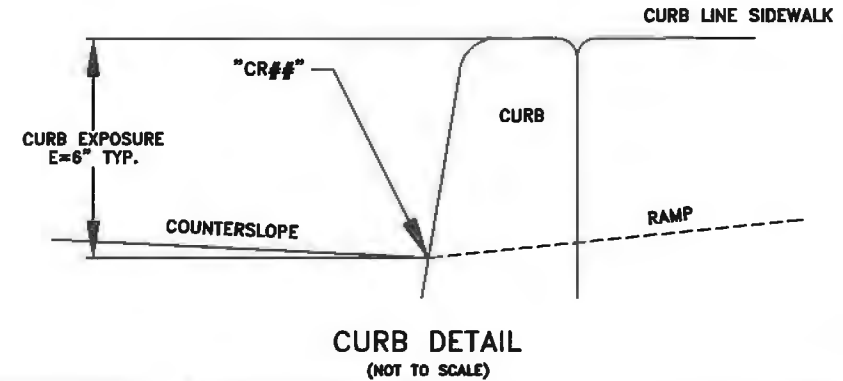
CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

4TH AVENUE



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
- SLOPES HOLD OVER ELEVATIONS.
 - MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 - SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D15+42.15 R54.85	209.60
2	D15+42.10 R23.35	209.63
3	D15+42.04 R25.25	209.66
4	D15+42.05 R19.74	209.68
5	D15+42.40 R16.96	209.73
6	D15+47.25 R15.26	209.71
7	D15+51.34 R15.17	209.69
8	D15+56.85 R15.26	209.65

DESIGN EXCEPTION CONTROL:
 LRM: 03100I00
 MP: 10.72
 CORNER POSITION: 4
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	BY: C. CERKLEWSKI
DRAWN: C. CERKLEWSKI	BY: L. SCHUMACHER
CHECKED: G. GRAHAM	BY: C. CERKLEWSKI
DATE: 4/11/2017	
NO.:	NO.:
DATE: 4/25/2017	REV 1
9/20/2017	REV 2

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

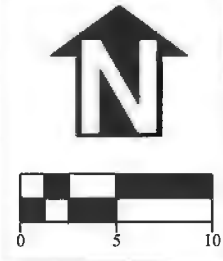
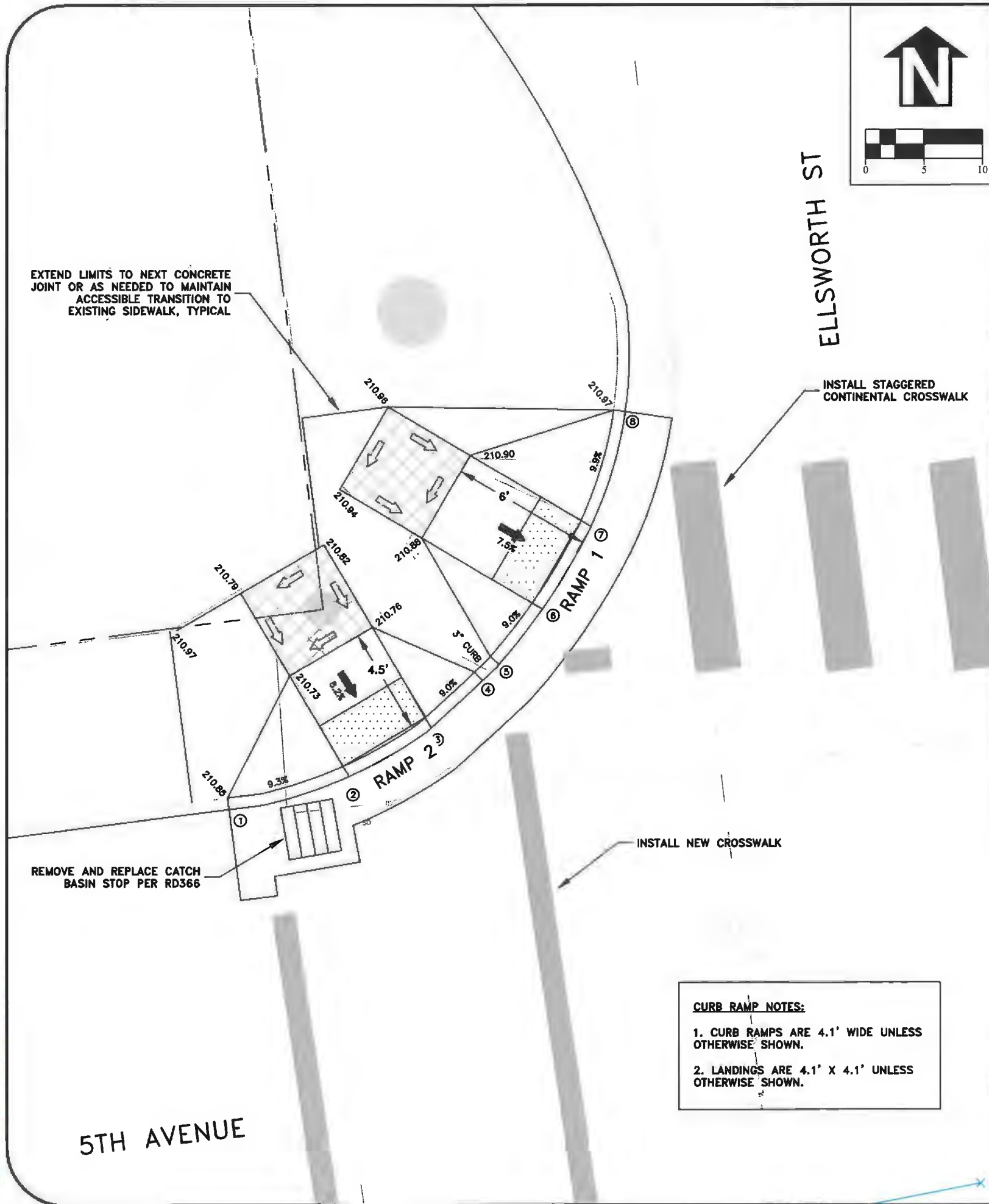


**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
4TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 4**



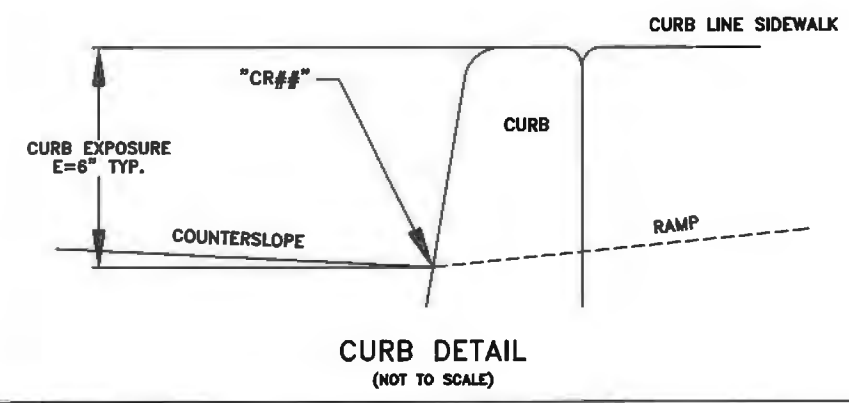
SHEET NO. 135 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

APPROVED FOR CONSTRUCTION



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D12+56.63 L38.02	210.35
2	D12+57.40 L32.78	210.36
3	D12+59.02 L29.02	210.39
4	D12+60.76 L26.57	210.41
5	D12+61.36 L25.77	210.41
6	D12+63.48 L23.65	210.43
7	D12+66.73 L21.15	210.45
8	D12+71.42 L19.09	210.47

CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.77
 CORNER POSITION: 1
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY:
DATE: 4/11/2017	NO:
	REV 1
	REV 2
	REV 3
	REV 4
	REV 5
	REV 6
	REV 7
	REV 8
	REV 9
	REV 10

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

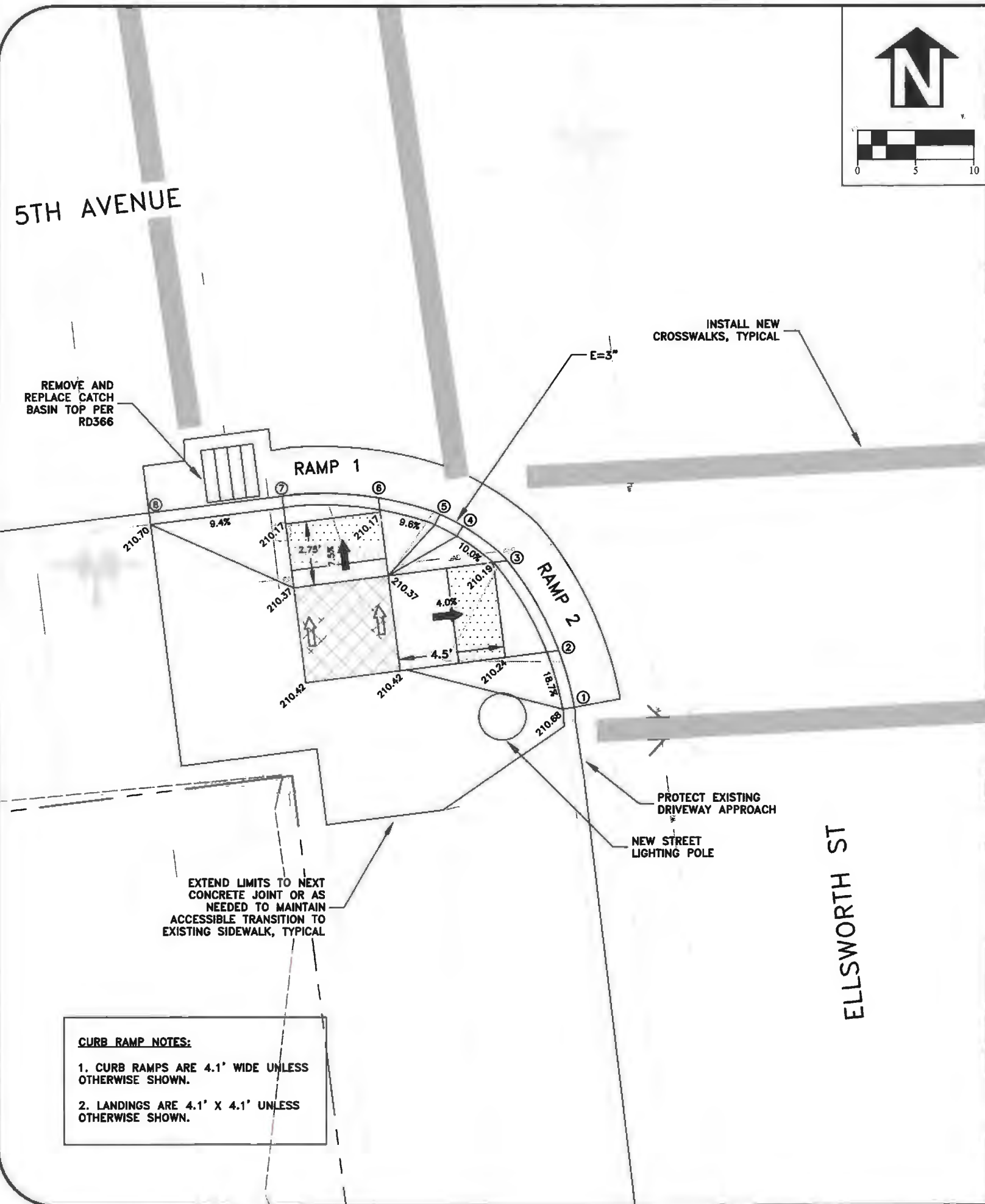
ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 5TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 1

REGISTERED PROFESSIONAL ENGINEER
 56,471PE
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

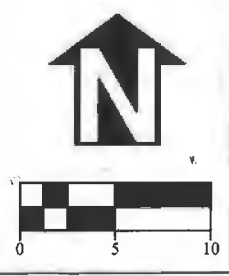
EXPIRATION DATE: 12/31/2017

SHEET NO. 136 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

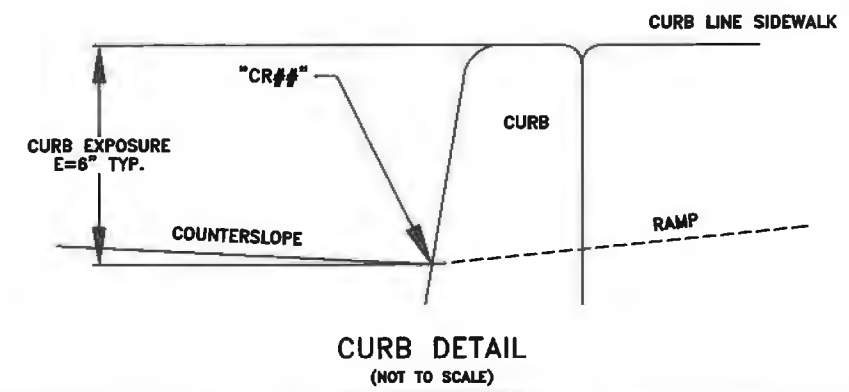


CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.




LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D12+00.04 L20.67	210.22
2	D12+02.52 L21.03	210.21
3	D12+06.82 L22.72	210.19
4	D12+08.34 L24.42	210.18
5	D12+08.94 L25.34	210.18
6	D12+09.97 L27.84	210.17
7	D12+10.55 L31.94	210.16
8	D15+10.55 L37.66	210.20


DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.77
 CORNER POSITION: 2
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1: C. CERKLEWSKI
	REV 2: ---

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
5TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 2**



EXPIRATION DATE: 12/31/2017

SHEET NO. 137 OF 192

PROJECT NO: ST-15-03-B

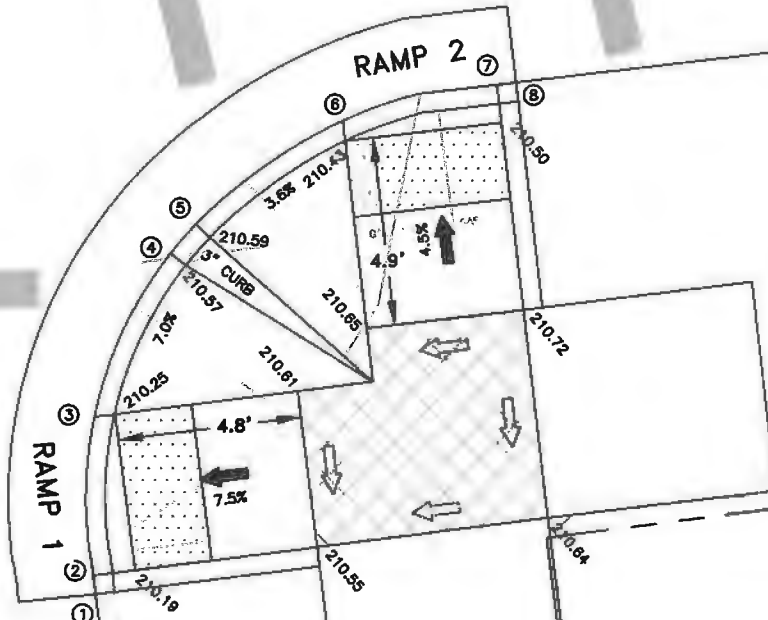
FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

ELLSWORTH ST

INSTALL NEW CROSSWALKS, TYPICAL

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

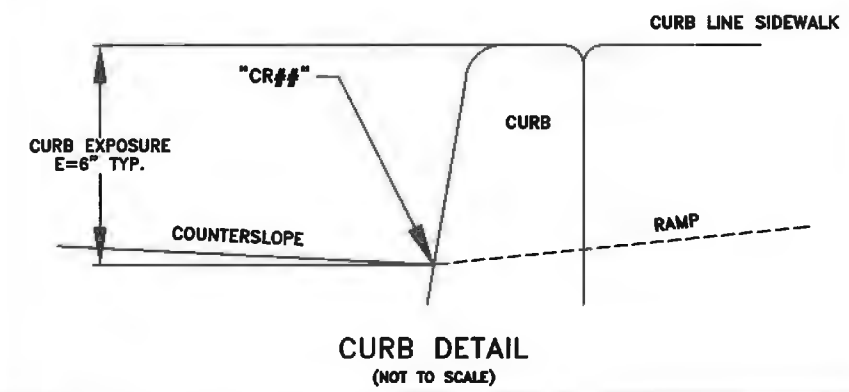


CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

5TH AVENUE

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D11+98.74 R21.15	210.17
2	D11+99.24 R21.17	210.17
3	D12+03.34 R21.71	210.24
4	D12+07.31 R24.21	210.32
5	D12+07.99 R24.94	210.34
6	D12+10.20 R29.08	210.42
7	D12+10.63 R33.18	210.48
8	D12+10.63 R33.68	210.48

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.77
 CORNER POSITION: 3
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	BY: C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 5TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 3



EXPIRATION DATE: 12/31/2017
 SHEET NO. 138 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

ELLSWORTH ST

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

INSTALL STAGGERED CONTINENTAL CROSSWALK

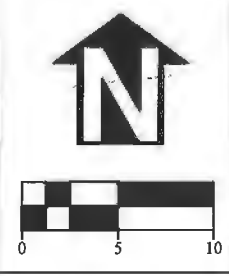
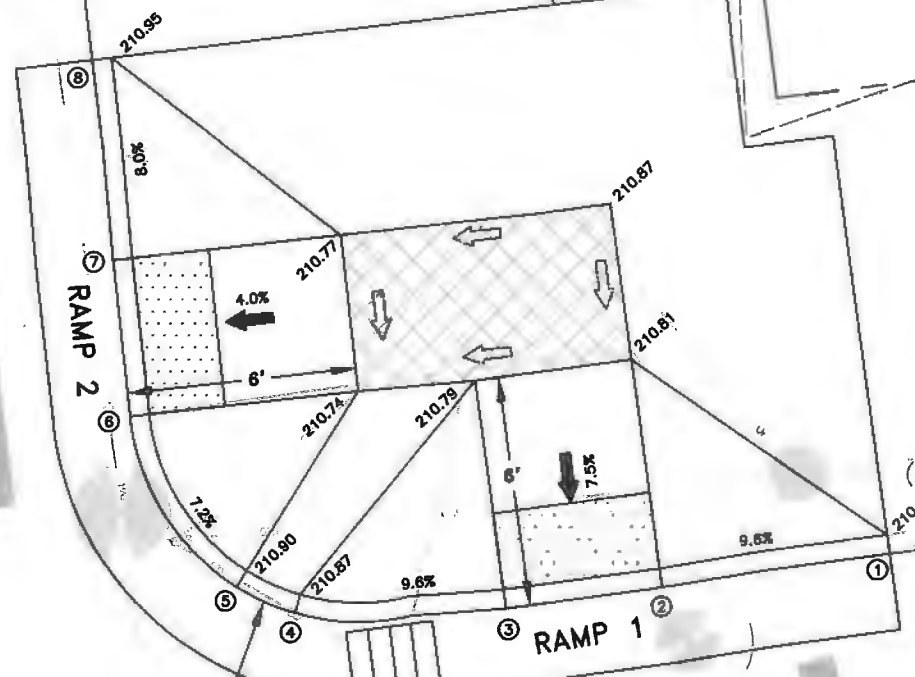
REMOVE AND REPLACE CATCH BASIN TOP PER RD366

INSTALL NEW CROSSWALK

CURB RAMP NOTES:

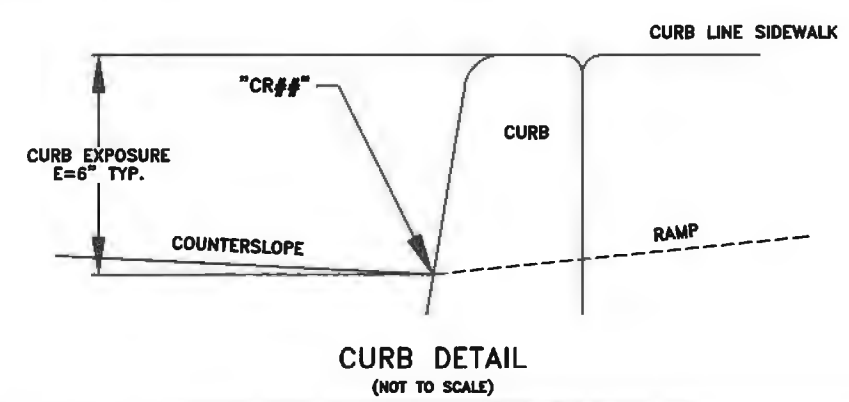
1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

5TH AVENUE



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D12+52.60 R34.46	210.44
2	D12+52.46 R28.46	210.36
3	D12+52.42 R24.36	210.34
4	D12+52.98 R18.89	210.37
5	D12+53.85 R17.46	210.40
6	D12+58.60 R15.24	210.51
7	D12+62.70 R15.30	210.53
8	D12+67.95 R15.40	210.45

DESIGN EXCEPTION CONTROL:

LRM: 03100100

MP: 10.77

CORNER POSITION: 4

RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	BY: C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
5TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 4**



EXPIRATION DATE: 12/31/2017

SHEET NO. 139 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

6TH AVENUE

ELLSWORTH ST

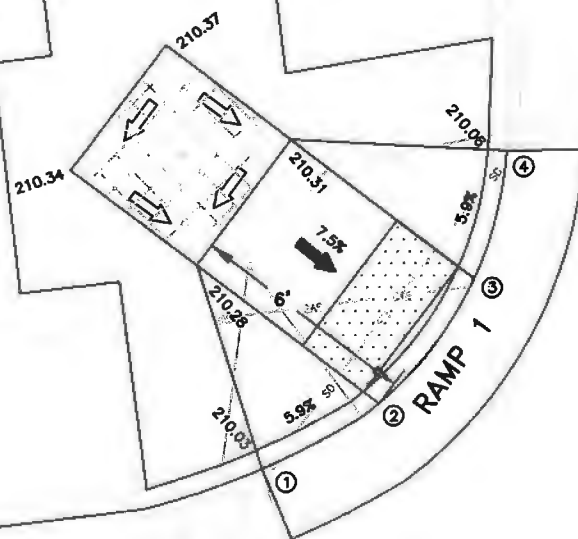


EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

EXISTING STOP BAR FOR FIRE SIGNAL TO BE REMOVED WITH SIGNAL

PROTECT EXISTING CATCH BASIN

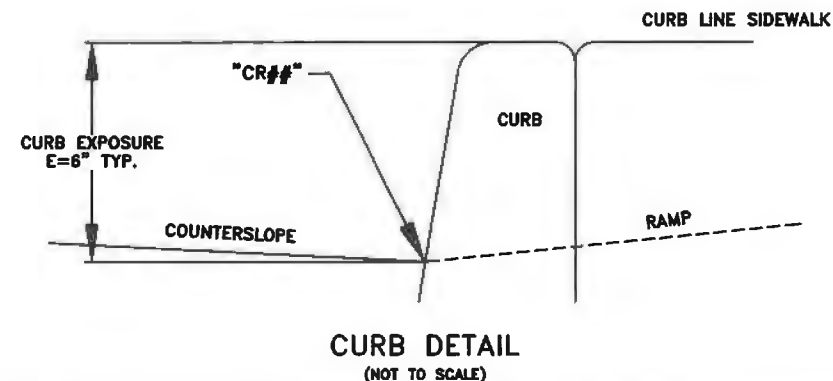
PROTECT EXISTING CATCH BASIN



CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D9+67.32 L28.88	209.70
2	D9+68.63 L25.61	209.83
3	D9+71.58 L22.76	209.86
4	D9+74.78 L21.51	209.73
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:

LRM: 03100I00

MP: 10.83

CORNER POSITION: 1

RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI
 DRAWN: C. CERKLEWSKI
 CHECKED: G. GRAHAM
 DATE: 4/11/2017

REVISIONS
 NO: BY:
 4/25/2017 REV 1 L. SCHUMACHER
 9/20/2017 REV 2 C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



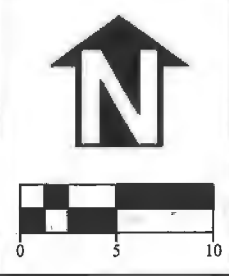
ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 6TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 1



EXPIRATION DATE: 12/31/2017
 SHEET NO. 140 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

6TH AVENUE



PROTECT EXISTING STOP BAR

PROTECT EXISTING CATCH BASIN

PROTECT EXISTING CATCH BASIN

REMOVE EXISTING FIRE SIGNAL POLE AND MAST ARM. DEMOLISH FOOTING WITHIN 12" OF SURFACE.

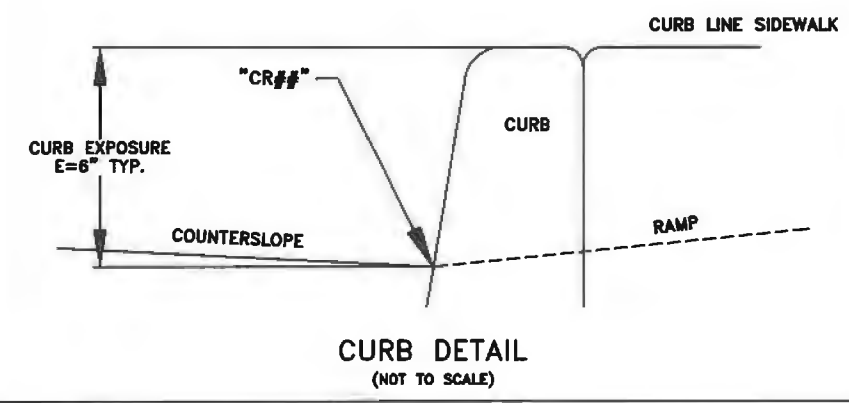
EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

ELLSWORTH ST

CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D9+17.33 L22.00	209.80
2	D9+19.58 L23.20	209.92
3	D9+22.47 L26.11	209.89
4	D9+23.63 L38.30	209.86
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.83
 CORNER POSITION: 2
 RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

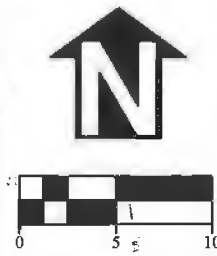


EXPIRATION DATE: 12/31/2017
 SHEET NO. 141 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 6TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 2

CURB RAMP NOTES:

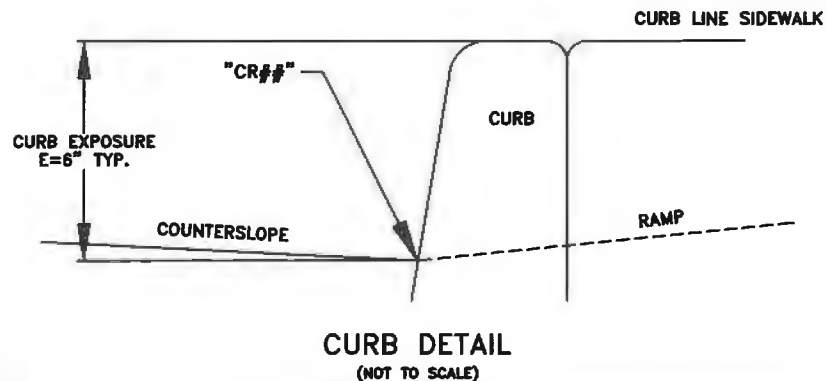
1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D9+15.92 R21.57	209.80
2	D9+20.68 R24.36	209.81
3	D9+23.10 R27.67	209.97
4	D9+24.37 R32.07	209.86
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:

LRM: 03100100

MP: 10.83

CORNER POSITION: 3

RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI
 DRAWN: C. CERKLEWSKI
 CHECKED: G. GRAHAM
 DATE: 4/11/2017

REVISIONS
 NO: BY:
 4/25/2017 REV 1 L. SCHUMACHER
 9/20/2017 REV 2 C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 6TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 3



EXPIRATION DATE: 12/31/2017

SHEET NO. 142 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR
 CONSTRUCTION

ELLSWORTH ST

6TH AVENUE

REMOVE AND REPLACE
 CATCH BASIN PER RD366

REMOVE AND REPLACE CATCH
 BASIN TOP PER RD366

REMOVE EXISTING FIRE TRAFFIC
 SIGNAL POLE AND MAST ARM.
 DEMOLISH TOP 12" OF FOOTING.

REMOVE TRAFFIC
 SIGNAL JUNCTION BOX

EXTEND LIMITS TO NEXT CONCRETE JOINT
 OR AS NEEDED TO MAINTAIN ACCESSIBLE
 TRANSITION TO EXISTING SIDEWALK, TYPICAL

APPROVED FOR CONSTRUCTION

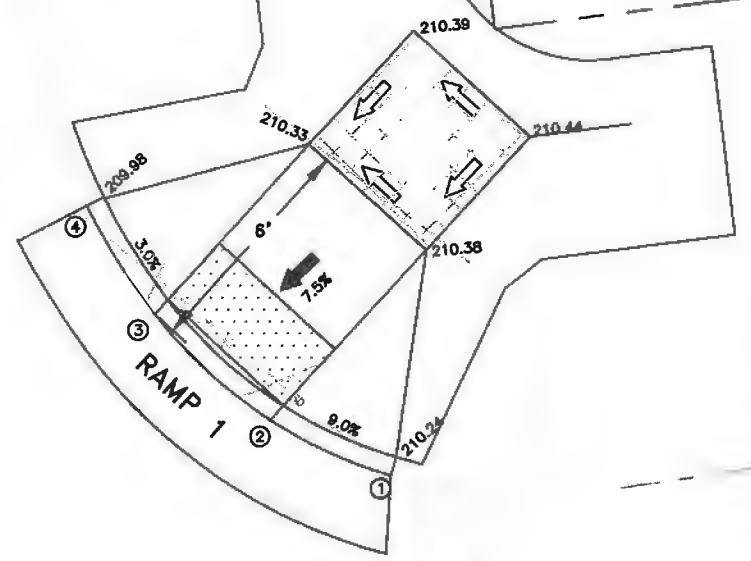
ELLSWORTH ST

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

REMOVE STOP BAR WITH REMOVAL OF FIRE TRAFFIC SIGNAL

RAMP 2

PROTECT EXISTING CATCH BASIN



PROTECT EXISTING CATCH BASIN

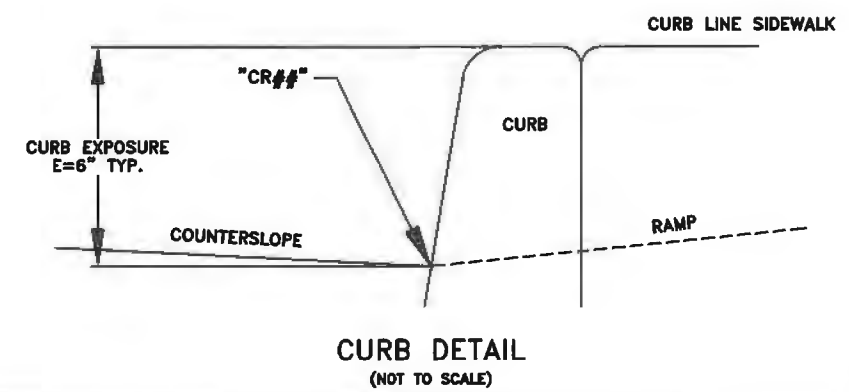
EXISTING STOP BAR TO REMAIN

6TH AVENUE

CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
- SLOPES HOLD OVER ELEVATIONS.
 - MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 - SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D9+67.48 R28.88	209.91
2	D9+69.30 R25.97	209.93
3	D9+72.42 R23.30	209.88
4	D9+75.45 R21.88	209.65
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.83
 CORNER POSITION: 4
 RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO: BY:
CHECKED: G. GRAHAM	4/25/2017 REV 1 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 6TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 4**

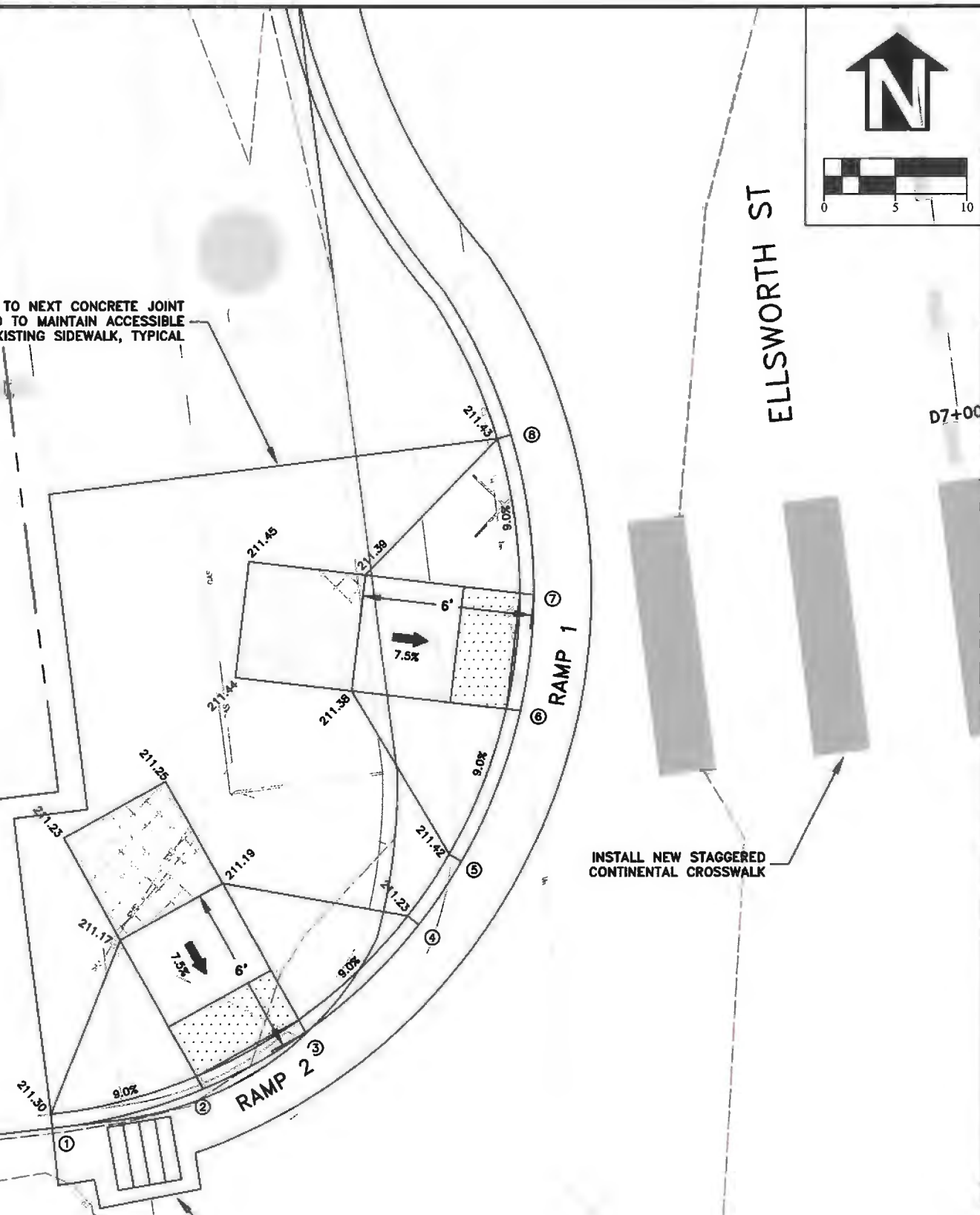


EXPIRATION DATE: 12/31/2017
 SHEET NO. 143 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

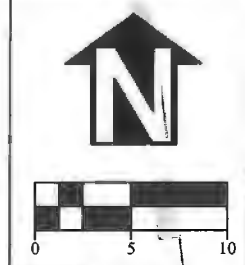
7TH AVENUE

EXTEND LIMITS TO NEXT CONCRETE JOINT
OR AS NEEDED TO MAINTAIN ACCESSIBLE
TRANSITION TO EXISTING SIDEWALK, TYPICAL



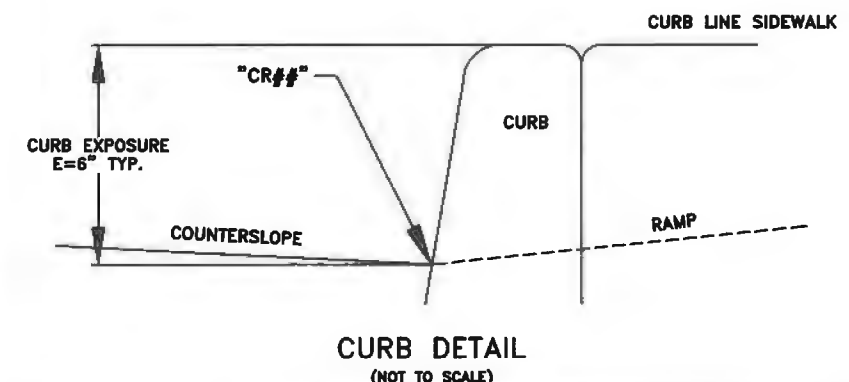
REMOVE AND REPLACE CURB
INLET TOP PER RD366

CURB RAMP NOTES:
1. CURB RAMPS ARE 4.1' WIDE UNLESS
OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS
OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D6+78.80 L34.68	210.87
2	D6+79.51 L29.23	210.72
3	D6+81.04 L25.42	210.74
4	D6+84.30 L21.01	210.81
5	D6+86.32 L19.23	210.87
6	D6+91.32 L16.51	210.93
7	D6+95.30 L15.54	210.94
8	D7+00.99 L15.64	210.88

DESIGN EXCEPTION CONTROL:
LRM: 03100100
MP: 10.91
CORNER POSITION: 1
RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

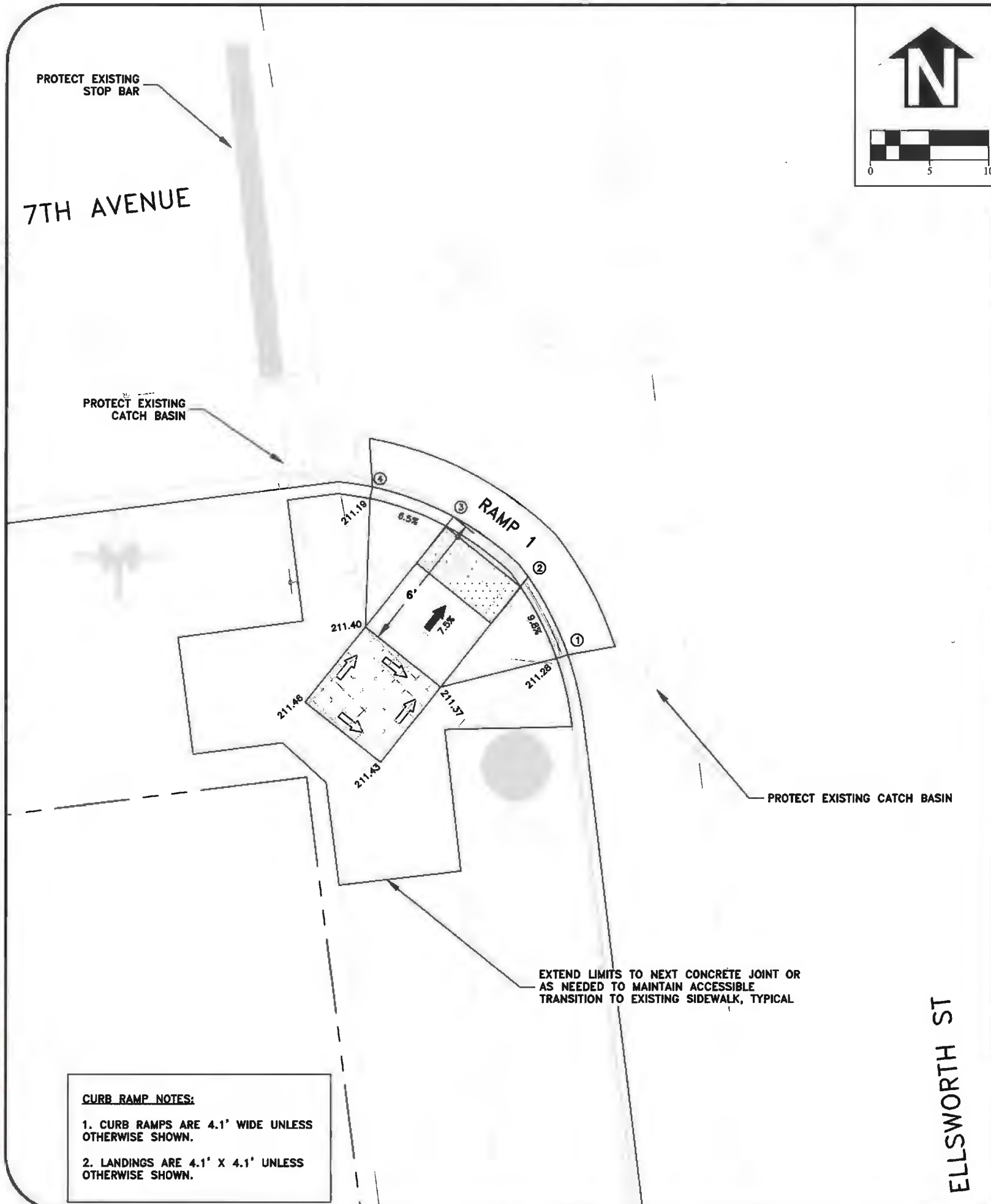


**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
7TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 1**

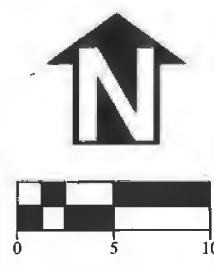


EXPIRATION DATE: 12/31/2017
SHEET NO. 144 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

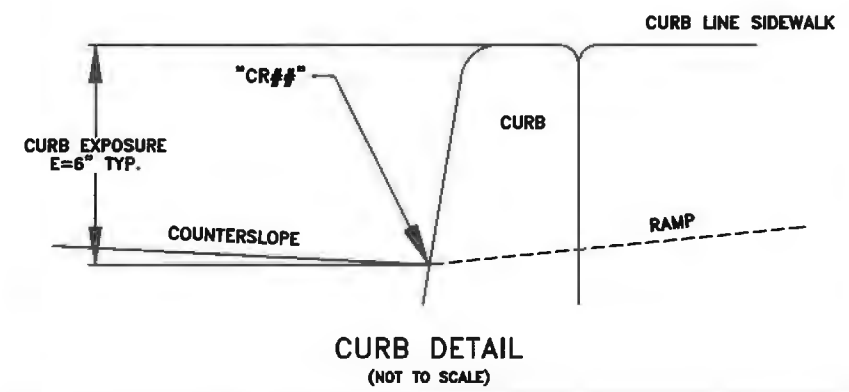


CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D6+28.32 L21.32	210.66
2	D6+31.81 L22.57	210.92
3	D6+34.75 L25.43	210.95
4	D6+36.43 L28.71	210.65
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.91
 CORNER POSITION: 2
 RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY:
DATE: 4/11/2017	NO:
	REV 1
	REV 2

**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**



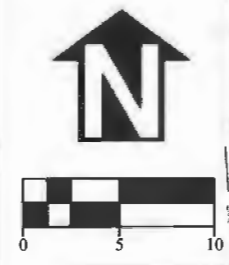
**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 7TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 2**



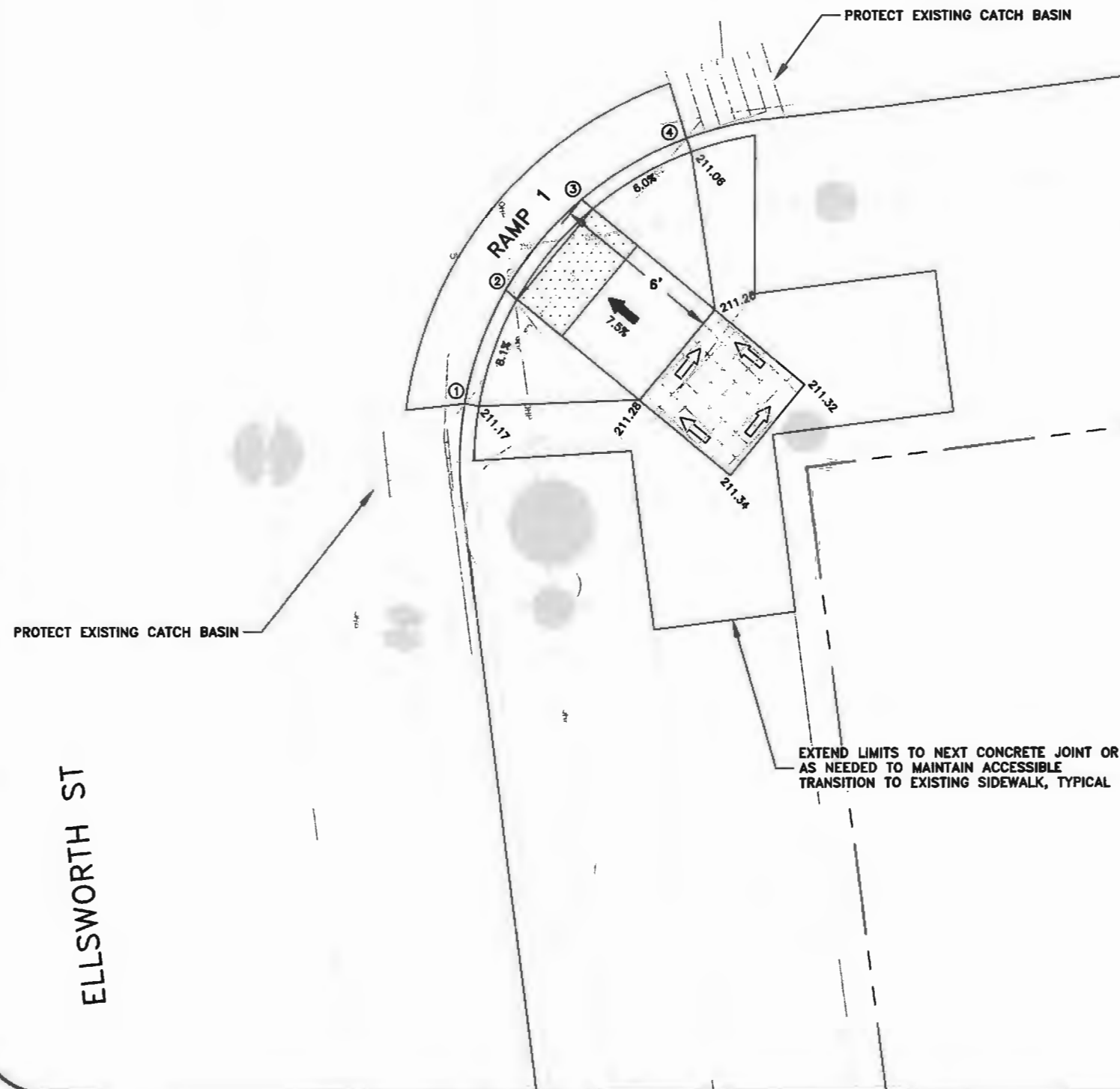
EXPIRATION DATE: 12/31/2017
 SHEET NO. 145 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

CURB RAMP NOTES:

1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



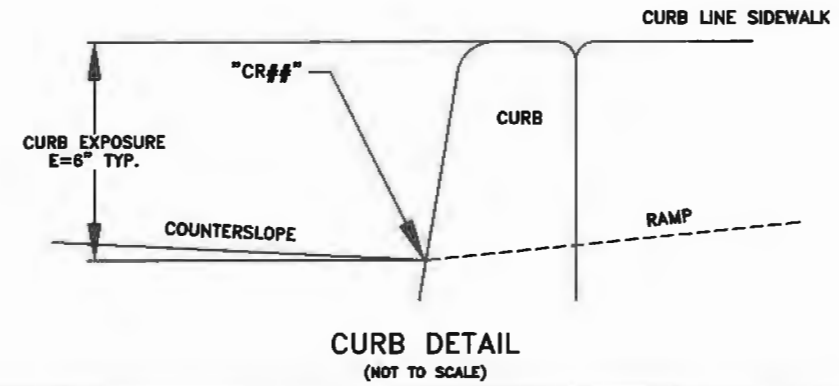
7TH AVENUE



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D6+28.28 R21.49	210.67
2	D6+32.03 R23.39	210.83
3	D6+34.84 R26.39	210.81
4	D6+36.49 R30.25	210.62
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:

LRM: 03100100
 MP: 10.91
 CORNER POSITION: 3
 RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO: BY:
CHECKED: G. GRAHAM	4/25/2017 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 7TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 3

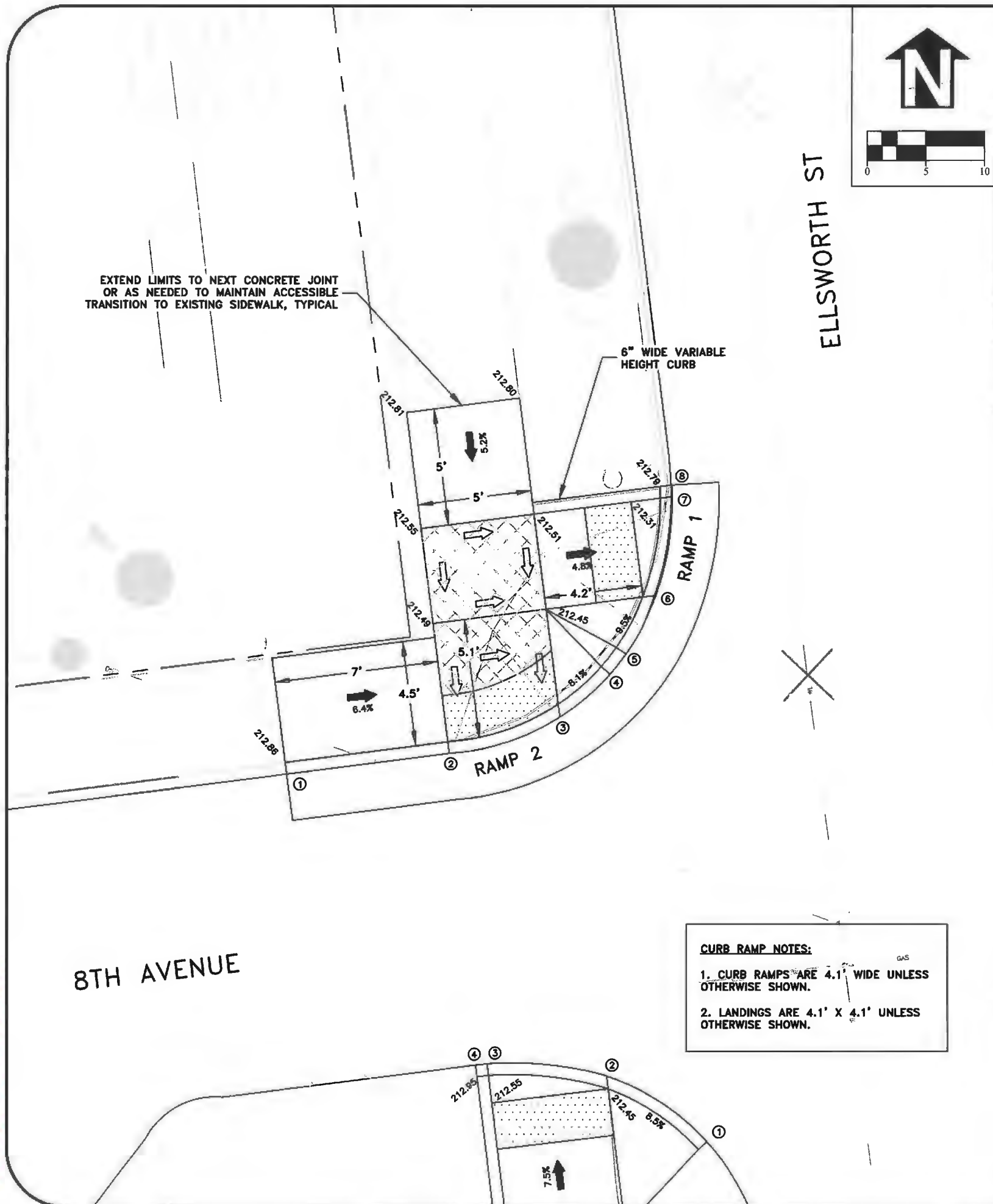
REGISTERED PROFESSIONAL ENGINEER
 56,471PE

 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI
 EXPIRATION DATE: 12/31/2017
 SHEET NO. 146 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

ELLSWORTH ST

APPROVED FOR CONSTRUCTION



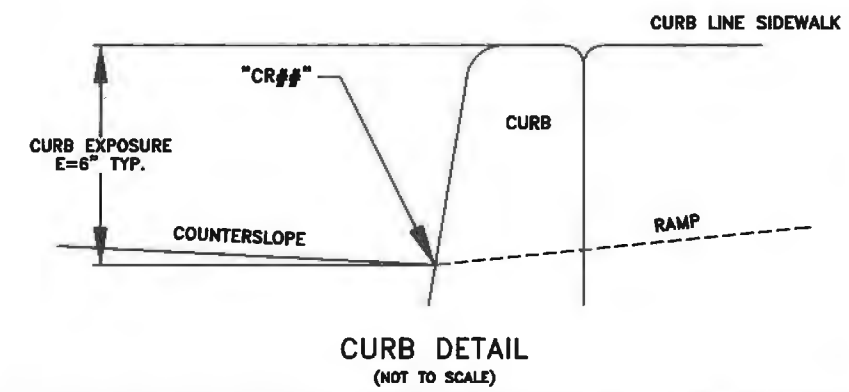
CURB RAMP NOTES:

1. CURB RAMPs ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D3+97.15 L38.95	212.46
2	D3+97.17 L31.95	212.41
3	D3+98.12 L27.05	212.38
4	D3+99.68 L24.70	212.36
5	D4+00.46 L23.92	212.35
6	D4+02.79 L22.35	212.33
7	D4+06.89 L21.15	212.29
8	D4+07.39 L21.11	212.29

DESIGN EXCEPTION CONTROL:

LRM: 03100100


MP: 10.94

CORNER POSITION: 1

RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY:
DATE: 4/11/2017	NO. 1
	REV 1
	REV 2
	REV 3
	REV 4
	REV 5
	REV 6
	REV 7
	REV 8
	REV 9
	REV 10

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
8TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 1**

REGISTERED PROFESSIONAL
ENGINEER
56,471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

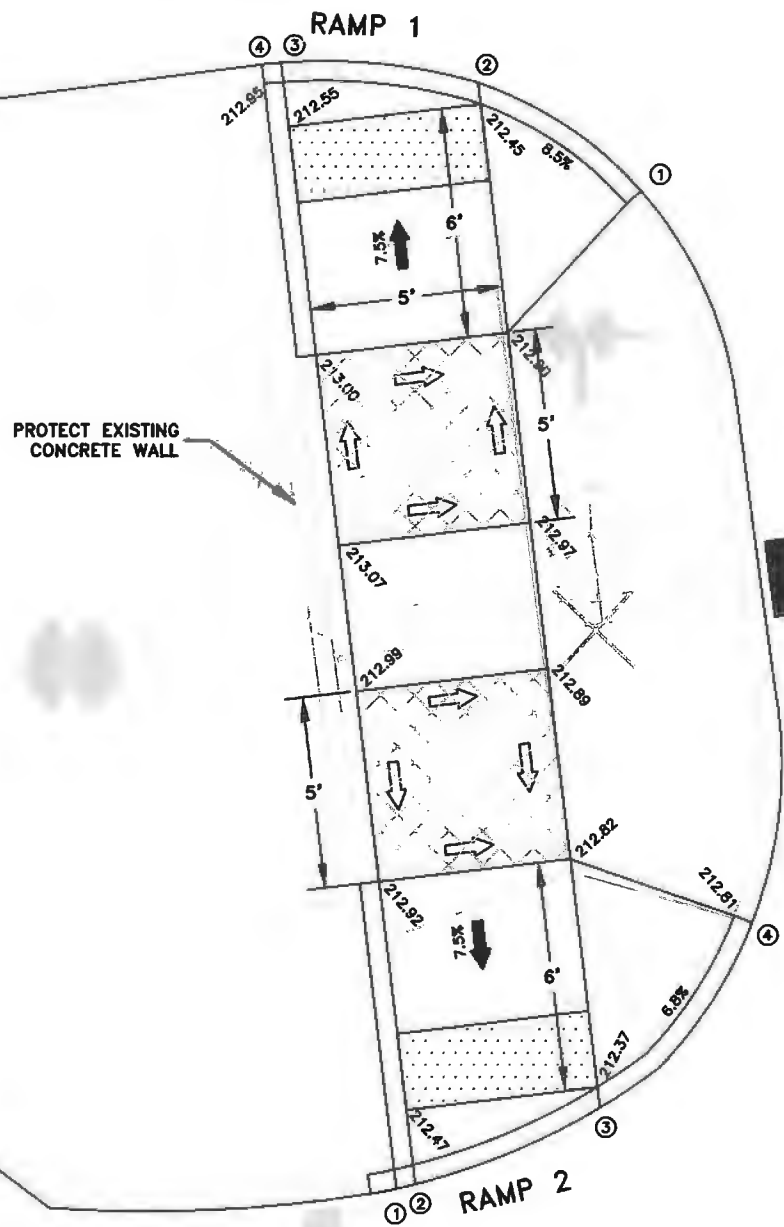
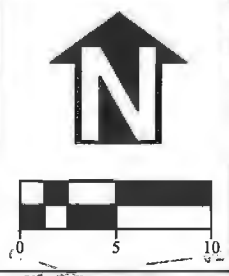
SHEET NO. 148 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

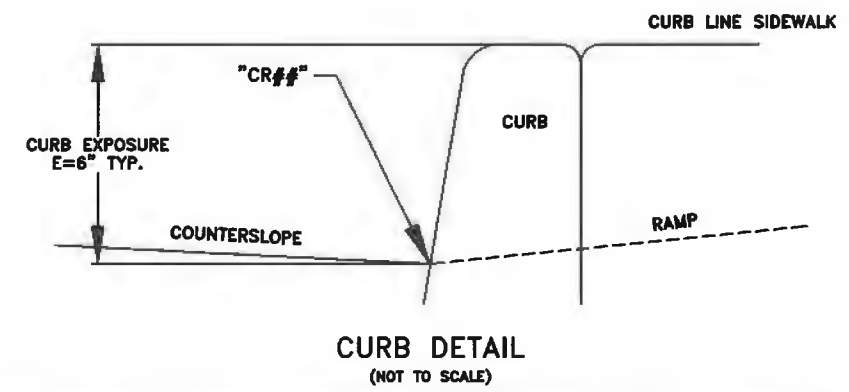
8TH AVENUE



CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D3+54.26 L32.80	212.46
2	D3+54.31 L32.10	212.46
3	D3+55.70 L27.09	212.37
4	D3+60.01 L22.52	212.31
5	D3+79.32 L23.08	212.39
6	D3+82.63 L26.97	212.45
7	D3+83.78 L26.97	212.53
8	D3+83.79 L32.47	212.53

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.94
 CORNER POSITION: 1A
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	DATE:
DATE: 4/11/2017	NO:
	BY:
	REV 1
	REV 2
	BY:
	L. SCHUMACHER
	C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 8TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 1A**

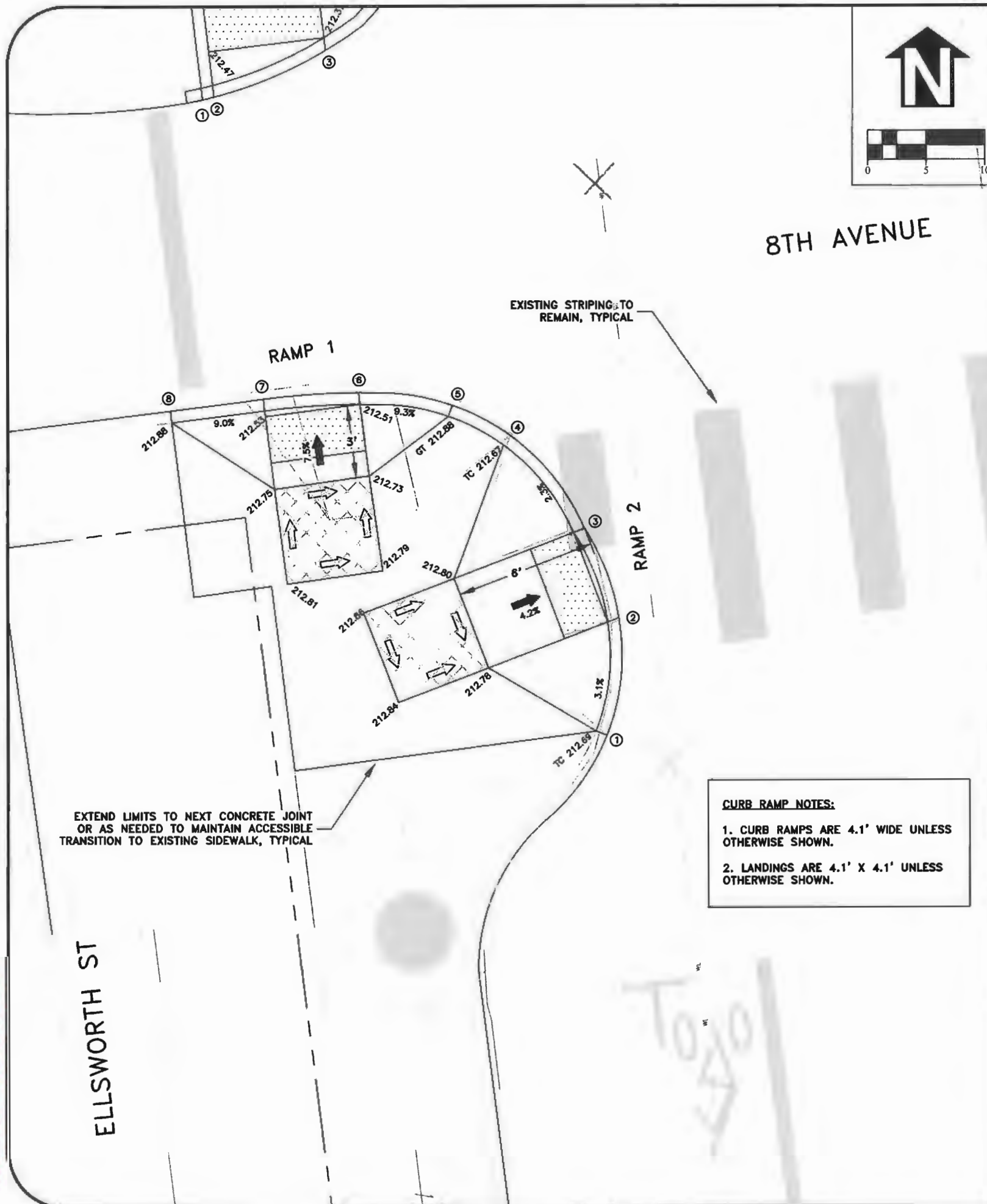


EXPIRATION DATE: 12/31/2017
 SHEET NO. 149 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

ELLSWORTH ST

8TH AVENUE

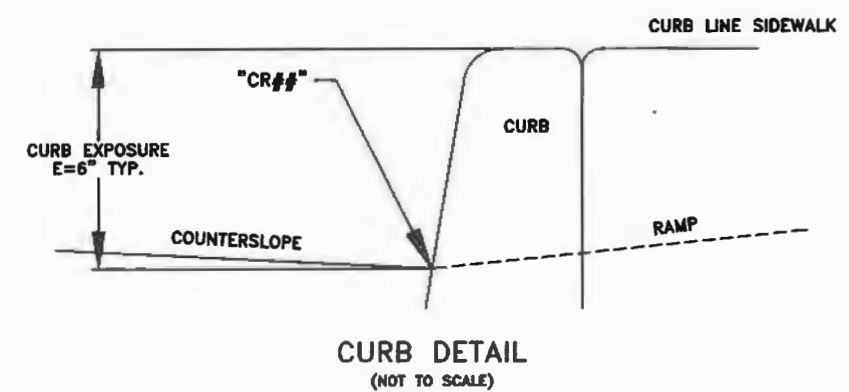


CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
- SLOPES HOLD OVER ELEVATIONS.
 - MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 - SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D3+25.14 L18.81	212.64
2	D3+30.07 L17.68	212.53
3	D3+34.05 L18.66	212.55
4	D3+38.38 L21.35	212.54
5	D3+39.97 L23.64	212.53
6	D3+41.00 L27.51	212.51
7	D3+41.24 L31.61	212.52
8	D3+41.23 L35.61	212.54

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.94
 CORNER POSITION: 2
 RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY:
DATE: 4/11/2017	NO:
	REV 1
	REV 2
	BY:
	L. SCHUMACHER
	C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
8TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 2**

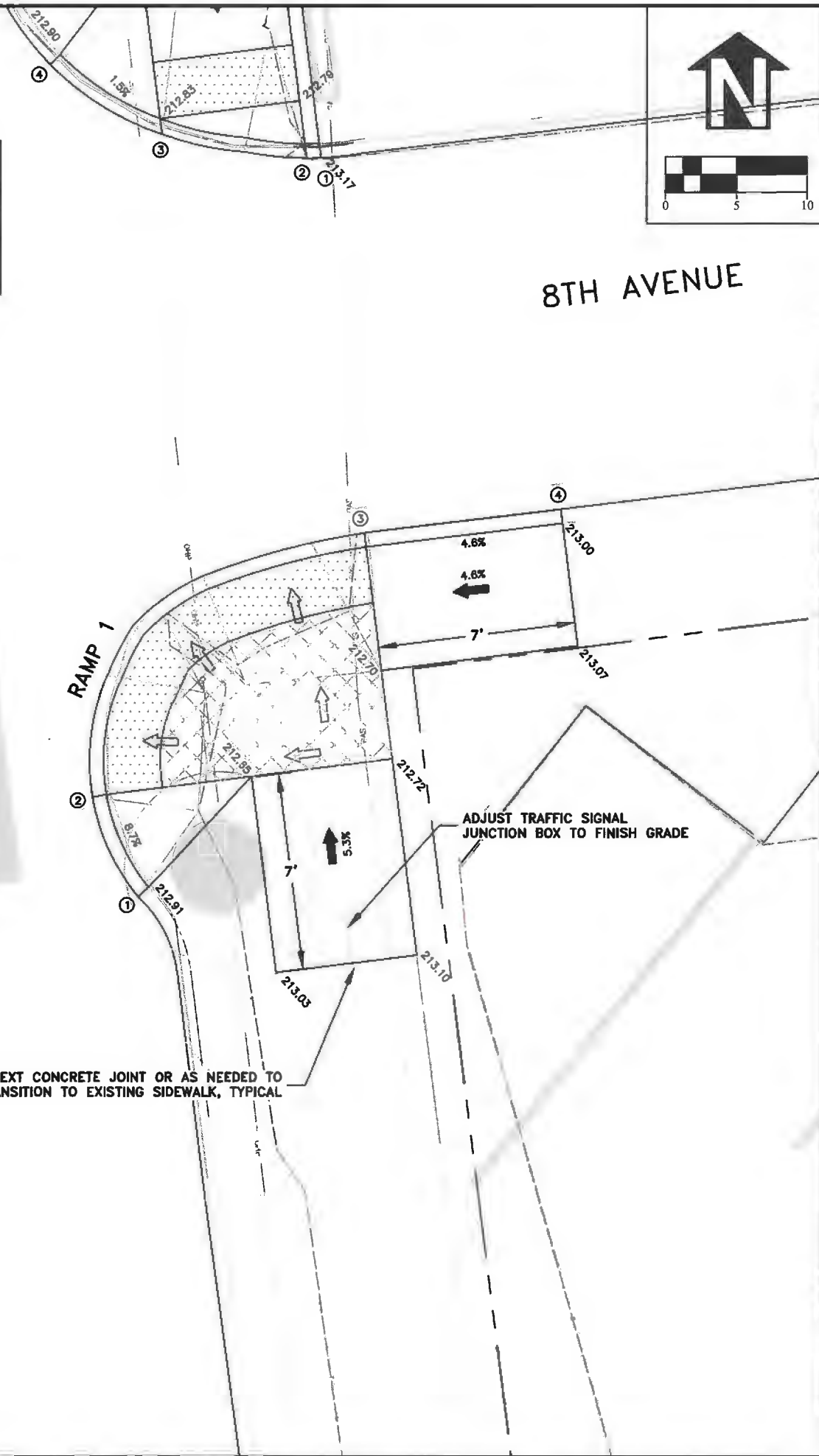


EXPIRATION DATE: 12/31/2017
 SHEET NO. 150 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

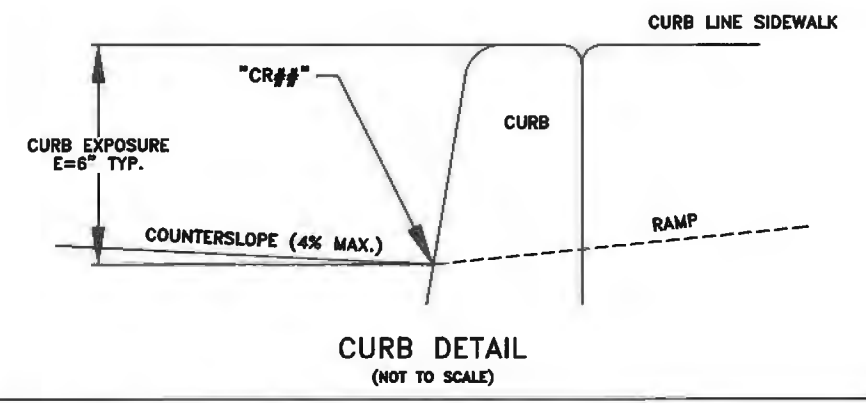
ELLSWORTH ST

CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
- SLOPES HOLD OVER ELEVATIONS.
 - MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 - SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D3+29.60 R22.37	212.59
2	D3+33.31 R21.21	212.57
3	D3+41.39 R31.90	212.68
4	D3+41.38 R38.90	212.70
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.94
 CORNER POSITION: 3
 RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 8TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 3

REGISTERED PROFESSIONAL ENGINEER
 56,471PE
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 151 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

CURB RAMP NOTES:

1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

EXISTING STRIPING TO REMAIN, TYPICAL

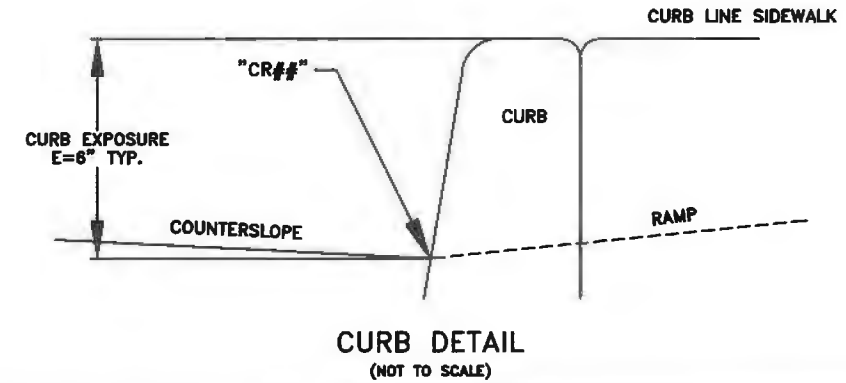
8TH AVENUE



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D3+54.75 R32.02	212.76
2	D3+54.80 R31.51	212.76
3	D3+56.28 R26.52	212.83
4	D3+59.23 R22.89	212.49
5	D3+77.89 R22.05	212.26
6	D3+82.24 R26.48	212.29
7	D3+83.90 R31.47	212.38
8	D3+83.95 R31.97	212.38

DESIGN EXCEPTION CONTROL:

LRM: 03100100

MP: 10.94

CORNER POSITION: 3A

RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI
 DRAWN: C. CERKLEWSKI
 CHECKED: G. GRAHAM
 DATE: 4/11/2017

REVISIONS	NO.	BY:
	1	L. SCHUMACHER
	2	C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 8TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 3A



EXPIRATION DATE: 12/31/2017

SHEET NO. 152 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

ELLSWORTH ST

PROTECT EXISTING CURB BETWEEN RAMPS

PROTECT EXISTING CONCRETE WALL

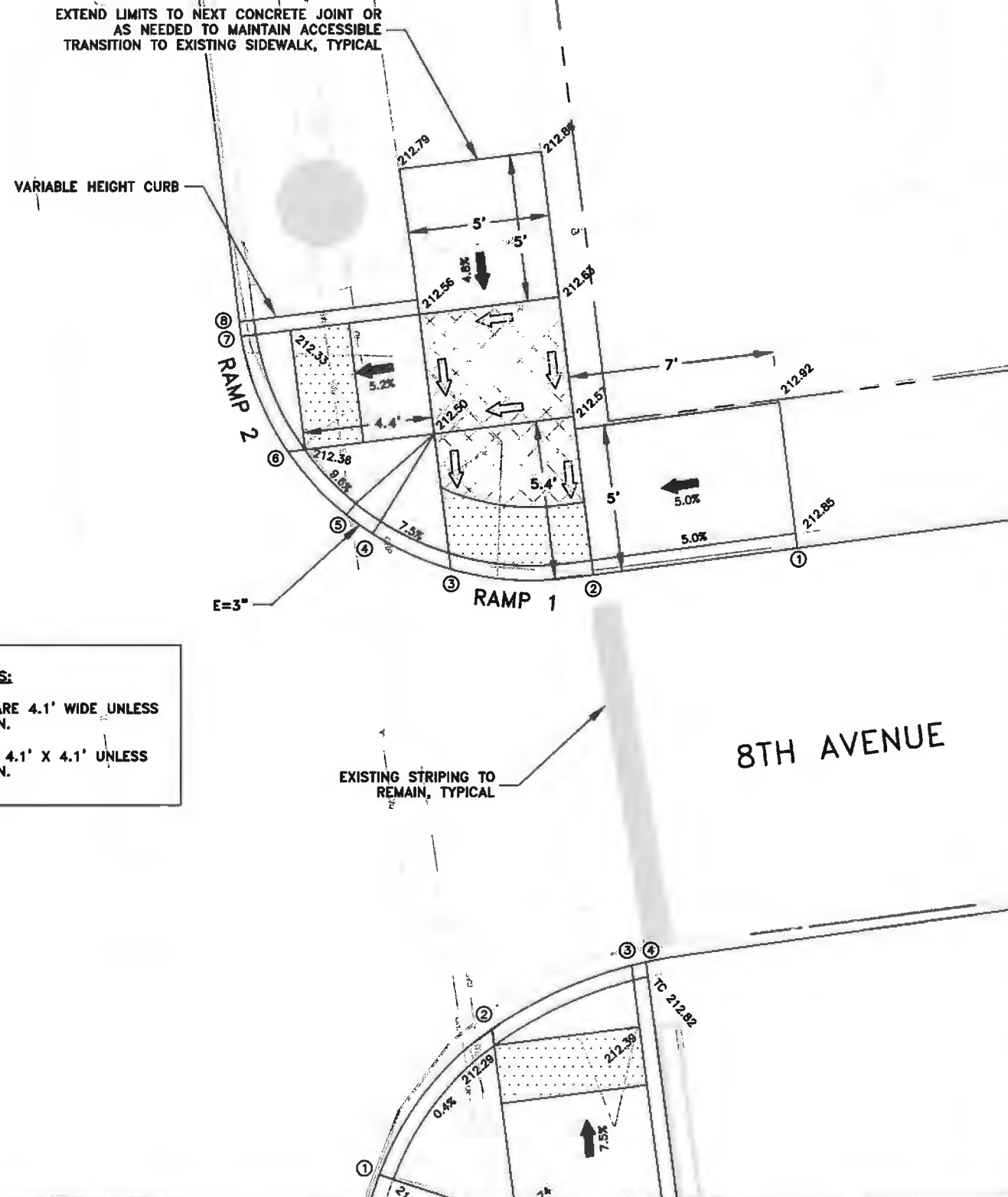
6" WIDE VARIABLE HEIGHT CURB

RAMP 2

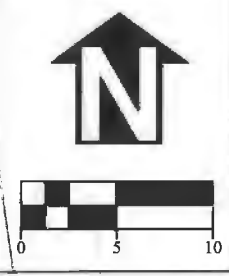
RAMP 1

**APPROVED FOR
CONSTRUCTION**

ELLSWORTH ST

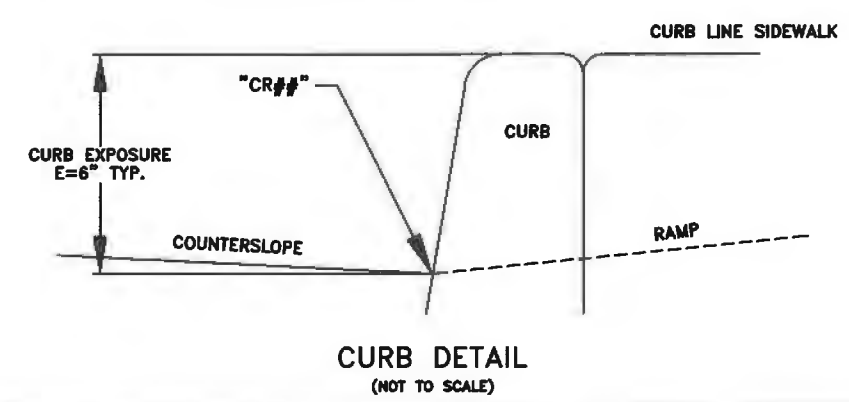


CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D3+97.31 R38.83	212.35
2	D3+97.26 R31.83	212.50
3	D3+98.07 R27.02	212.44
4	D3+99.59 R24.54	212.41
5	D4+00.34 R23.73	212.39
6	D4+02.72 R22.04	212.36
7	D4+06.82 R20.96	212.31
8	D4+07.32 R20.95	212.28

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 10.94
 CORNER POSITION: 4
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
8TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 4**

**REGISTERED PROFESSIONAL
ENGINEER
56,471PE
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI**

Christopher L. Cerkowski

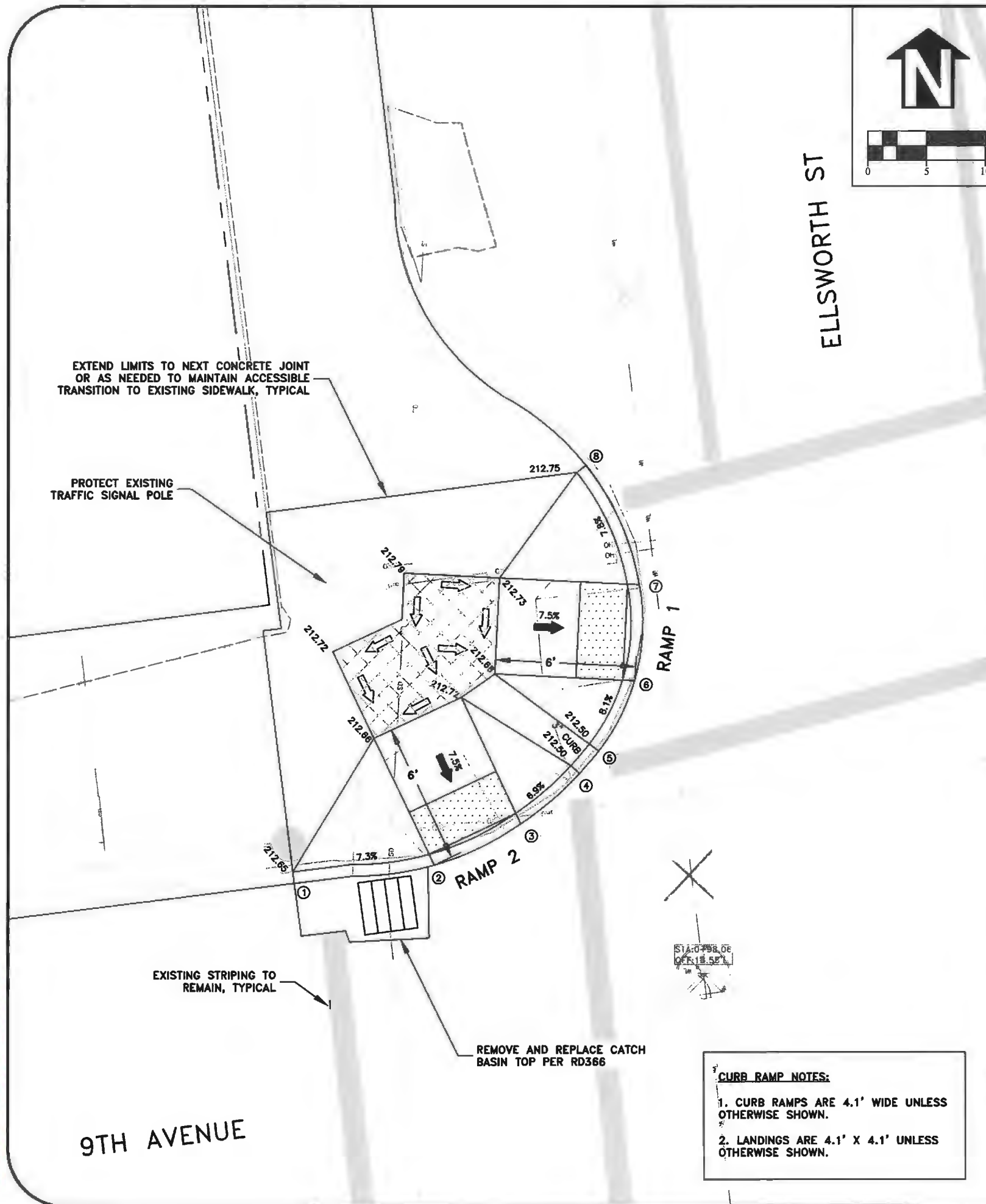
EXPIRATION DATE: 12/31/2017

SHEET NO. 153 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

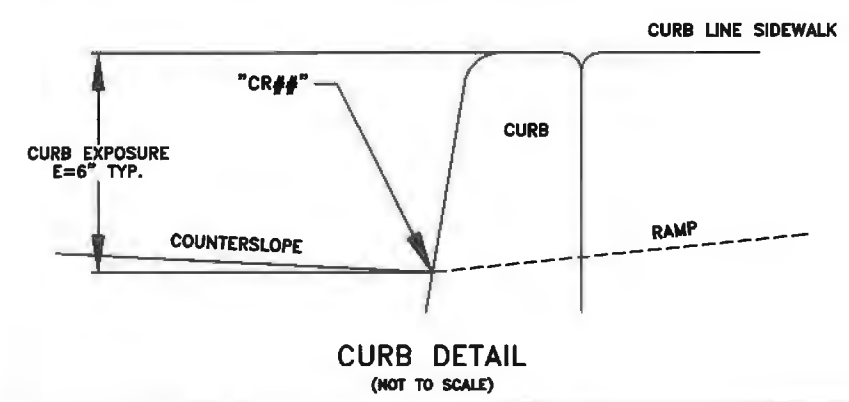


CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D1+04.03 L33.43	212.15
2	D1+04.07 L27.43	212.21
3	D1+05.36 L23.52	212.27
4	D1+07.20 L20.74	212.25
5	D1+08.04 L19.82	212.25
6	D1+10.84 L17.93	212.23
7	D1+14.90 L17.22	212.28
8	D1+20.26 L18.85	212.32

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 11.01
 CORNER POSITION: 1
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2

**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 9TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 1**



EXPIRATION DATE: 12/31/2017
 SHEET NO. 154 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

9TH AVENUE

EXISTING STRIPING TO
REMAIN, TYPICAL

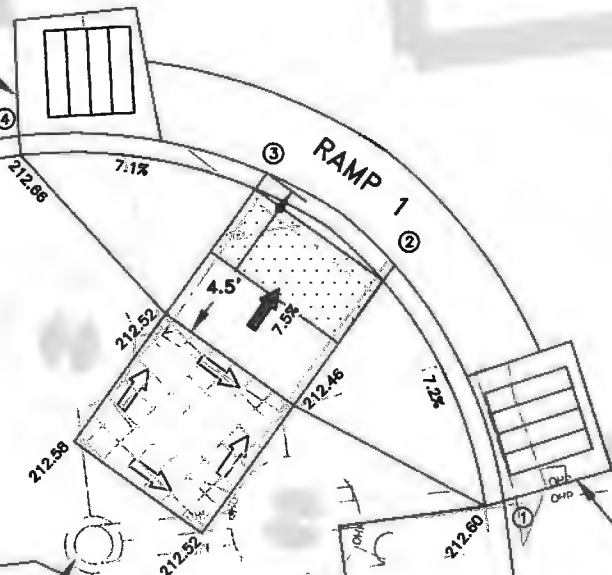
REMOVE AND REPLACE CATCH
BASIN TOP PER RD366

PROTECT EXISTING TRAFFIC SIGNAL POLE

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO
MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

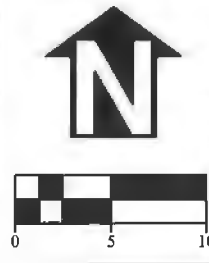
CURB RAMP NOTES:

1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



REMOVE AND REPLACE CATCH
BASIN TOP PER RD366

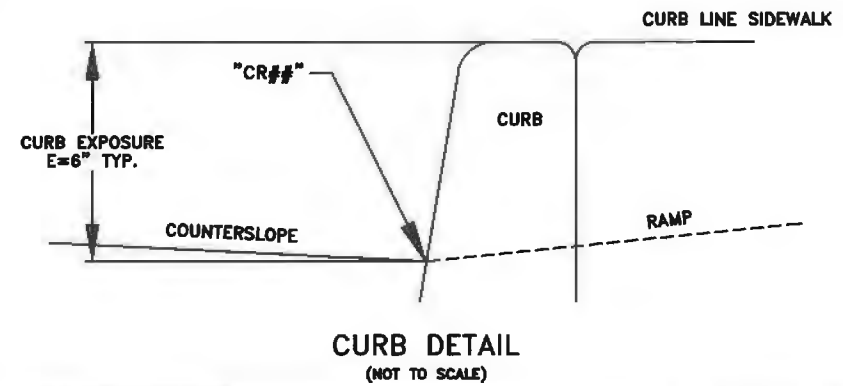
ELLSWORTH ST



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D0+51.17 L20.98	211.94
2	D0+57.64 L23.04	212.13
3	D0+60.43 L26.06	212.19
4	D0+62.18 L32.36	212.08
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:

LRM: 03100100

MP: 11.01

CORNER POSITION: 2

RAMP NUMBER: 1

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
9TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 2



EXPIRATION DATE: 12/31/2017

SHEET NO. 155 OF 192

PROJECT NO: ST-15-03-B

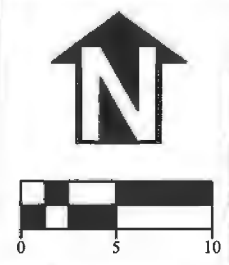
FILE: BASE.DWG

DESIGNED: C. CERKLEWSKI
DRAWN: C. CERKLEWSKI
CHECKED: G. GRAHAM
DATE: 4/11/2017

REVISIONS
NO: BY:
4/29/2017 REV 1 L. SCHUMACHER
9/20/2017 REV 2 C. CERKLEWSKI

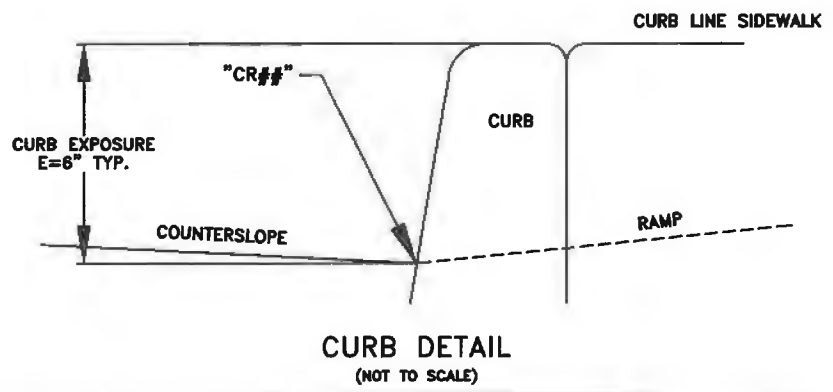
CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

CROSSWALK CLOSED



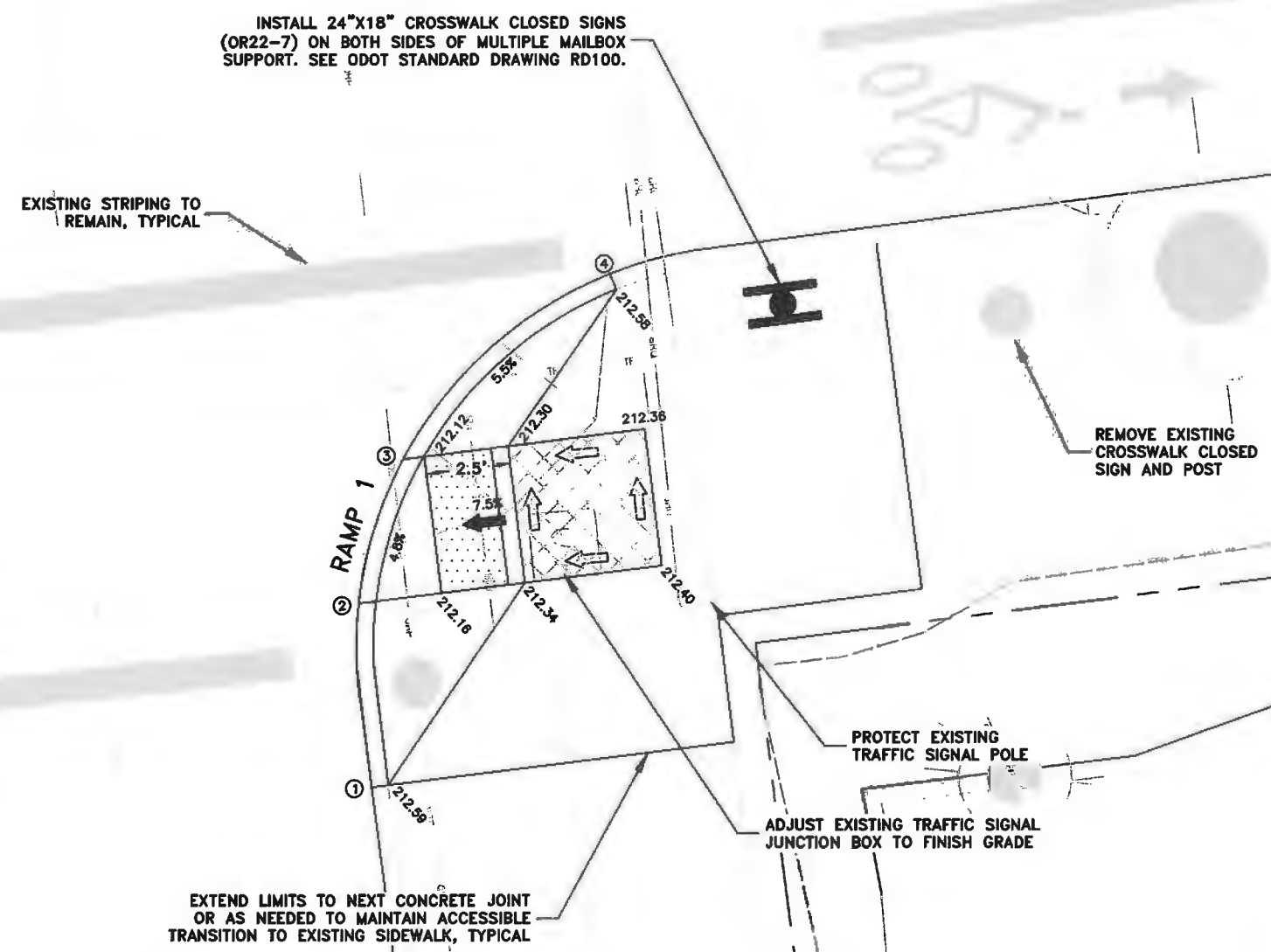
- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D0+47.38 R21.13	212.15
2	D0+52.87 R21.45	212.13
3	D0+56.97 R23.29	212.12
4	D0+61.69 R30.06	212.08
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 11.01
 CORNER POSITION: 3
 RAMP NUMBER: 1



DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	NO: 1
	REV 1
	REV 2
	REV 3

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
9TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 3



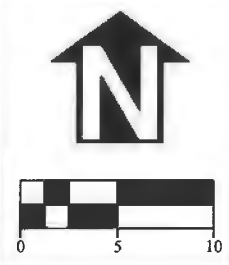
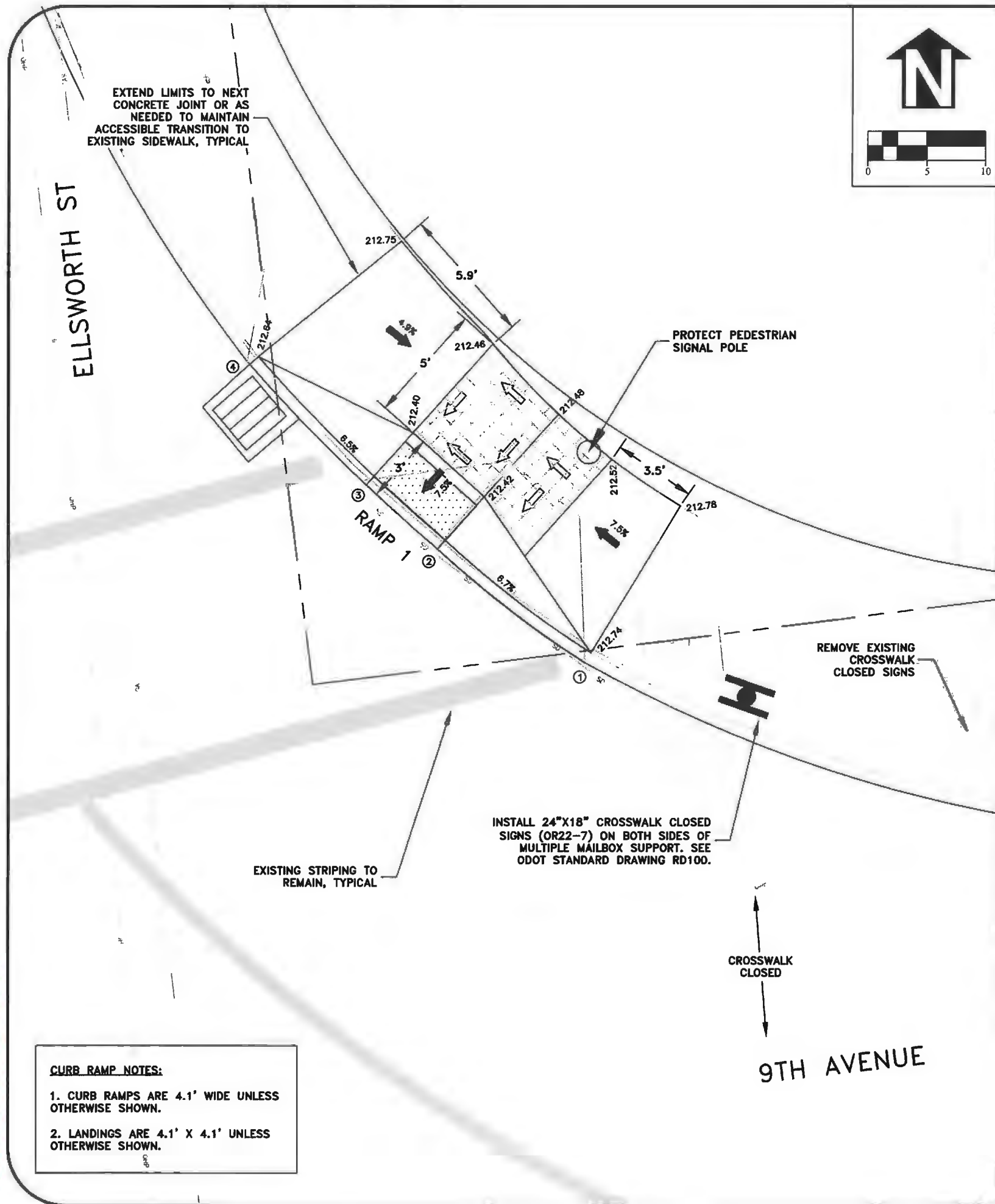
EXPIRATION DATE: 12/31/2017
 SHEET NO. 156 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

ELLSWORTH ST

9TH AVENUE

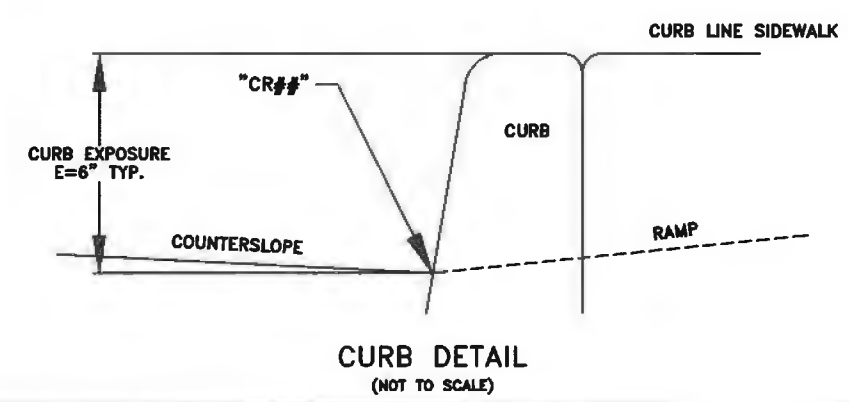
APPROVED FOR CONSTRUCTION



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

- SLOPES HOLD OVER ELEVATIONS.
- MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
- SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	D1+15.75 R44.67	212.24
2	D1+21.37 R38.99	212.20
3	D1+24.47 R36.30	212.18
4	D1+30.22 R32.03	212.15
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:

LRM: 03100100

MP: 11.01

CORNER POSITION: 4

RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
9TH AND ELLSWORTH CURB RAMP DETAIL - CORNER 4



EXPIRATION DATE: 12/31/2017

SHEET NO. 157 OF 192

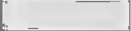





PROJECT NO: ST-15-03-B

FILE: BASE.DWG

CURB RAMP NOTES:

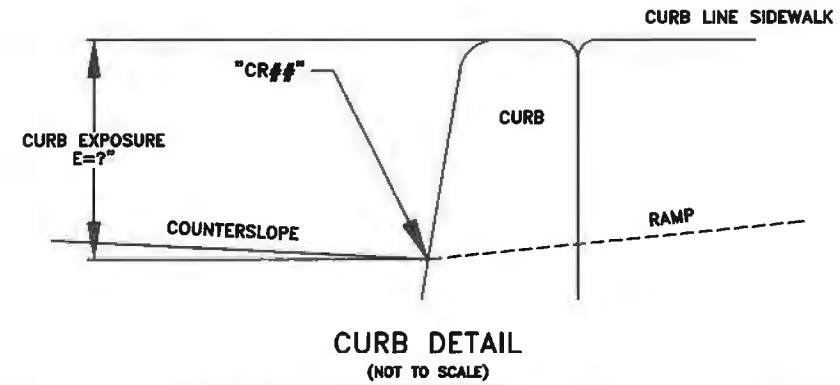
1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



-  MARKED OR INTENDED CROSSING LOCATION
-  SIDEWALK
-  TURNING SPACE
-  TRUNCATED DOME DETECTABLE WARNING SURFACE
-  SURFACE 1.5% MAX
-  SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E24+17.40 L50.15	207.32
2	E24+19.58 L44.18	207.56
3	E24+27.80 L34.64	207.74
4		
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:

LRM: 03100D00
 MP: 10.58
 CORNER POSITION: 1
 RAMP NUMBER: 1

PROTECT EXISTING LANDSCAPE RETAINING WALL

CONSTRUCT 6" CONCRETE CURB

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK. CONSTRUCT A BLENDED TRANSITION.

1ST AVENUE

INSTALL NEW CROSSWALK, TYPICAL

LYON ST

RAMP 1

RAMP 2

DESIGNED: C. CERKLEWSKI
 DRAWN: C. CERKLEWSKI
 CHECKED: G. GRAHAM
 DATE: 4/11/2017

REVISIONS
 NO: BY:
 4/25/2017 REV 1 L. SCHUMACHER
 9/20/2017 REV 2 C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 1ST AND LYON CURB RAMP DETAIL - CORNER 1



EXPIRATION DATE: 12/31/2017

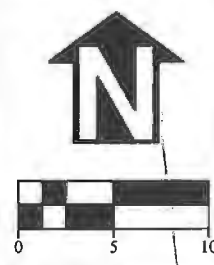
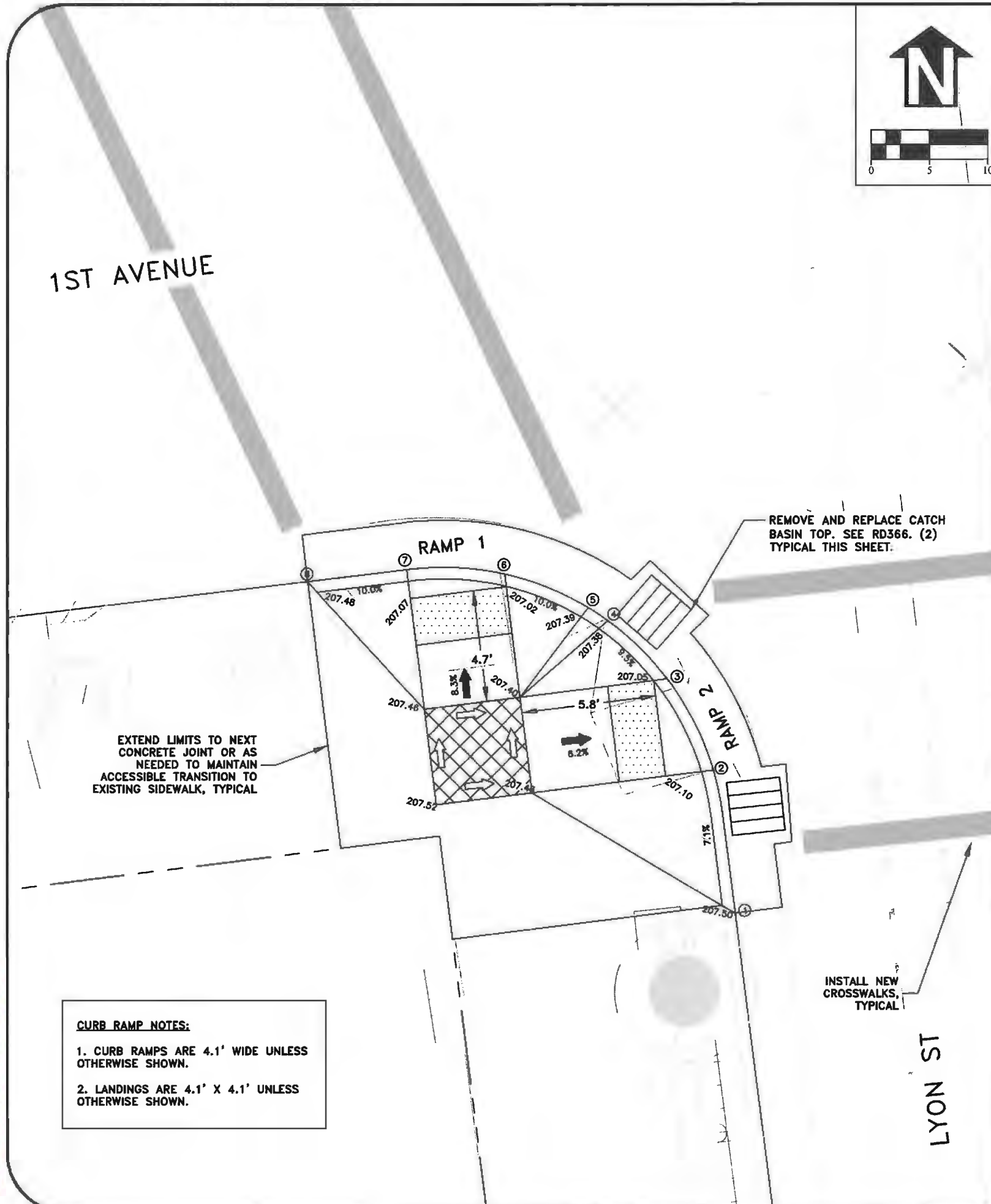
SHEET NO. 158 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

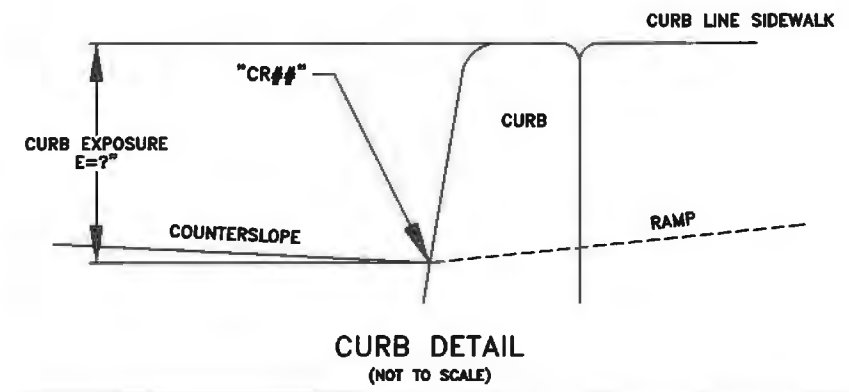
APPROVED FOR CONSTRUCTION



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

- SLOPES HOLD OVER ELEVATIONS.
- MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
- SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E23+58.04 L20.92	207.00
2	E23+64.19 L21.07	207.07
3	E23+68.29 L22.54	207.04
4	E23+71.07 L24.75	206.89
5	E23+71.73 L25.52	206.93
6	E23+73.57 L28.85	207.01
7	E23+74.28 L32.98	207.05
8	E23+74.30 L37.24	207.01

DESIGN EXCEPTION CONTROL:

LRM: 03100D00

MP: 10.58

CORNER POSITION: 2

RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	BY: C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
1ST AND LYON CURB RAMP DETAIL - CORNER 2



EXPIRATION DATE: 12/31/2017

SHEET NO. 159 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

LYON ST

INSTALL NEW CROSSWALK, TYPICAL

PROTECT EXISTING CATCH BASIN

RAMP 1

RAMP 2

1ST AVENUE

PROTECT EXISTING PEDESTRIAN SIGNAL

6" WIDE VARIABLE HEIGHT CURB PROTECTED BY POWER POLE AND TRAFFIC SIGNAL EQUIPMENT

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

EXISTING FIRE HYDRANT TO REMAIN

CURB RAMP NOTES:

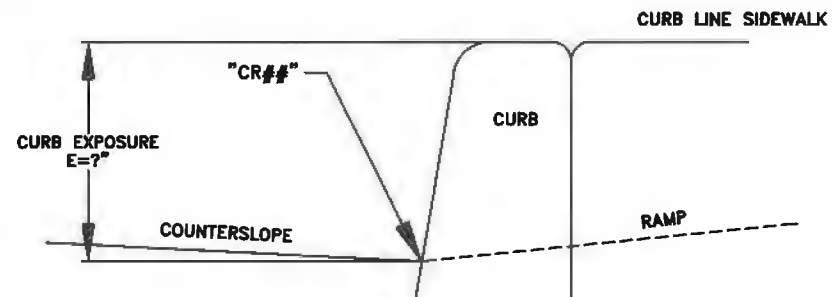
1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



CURB DETAIL
(NOT TO SCALE)

LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E23+63.24 R21.44	206.82
2	E23+67.32 R23.06	206.88
3	E23+69.95 R25.04	206.92
4	E23+70.70 R25.80	206.94
5	E23+72.56 R28.36	206.98
6	E23+74.16 R32.46	207.04
7		
8		

DESIGN EXCEPTION CONTROL:

LRM: 03100D00

MP: 10.58

CORNER POSITION: 3

RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI
DRAWN: C. CERKLEWSKI
CHECKED: G. GRAHAM
DATE: 4/11/2017

REVISIONS
NO: BY:
REV 1 L. SCHUMACHER
REV 2 C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
1ST AND LYON CURB RAMP DETAIL - CORNER 3



EXPIRATION DATE: 12/31/2017

SHEET NO. 160 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

LYON ST

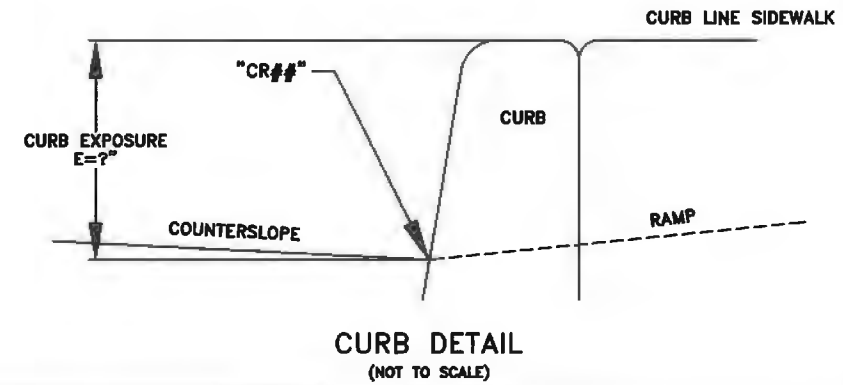
1ST AVENUE

NOTE: THIS CORNER IS PART OF A NEAR-TERM ALBANY TRANSPORTATION SYSTEM PLAN PROJECT TO MODIFY THE EAST LEG OF THIS INTERSECTION TO ADD DUAL RIGHT TURN LANES. THE PRELIMINARY DESIGN WILL REQUIRE THAT THE ENTIRE NORTHEAST CURB RETURN BE REMOVED AND REPLACE APPROXIMATELY 4 FEET TO THE NORTH. THE CITY INTENDS TO APPLY FOR A PROJECT IN THE NEXT ODOT STIP WITH CITY PARTICIPATION AND COMPLETE THE PROJECT WITHIN THE NEXT FIVE YEARS. THEREFORE, NO IMPROVEMENTS ARE PROPOSED AT THIS TIME.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:
- SLOPES HOLD OVER ELEVATIONS.
 - MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 - SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1		
2		
3		
4		
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:

LRM: 03100D00

MP: 10.58

CORNER POSITION: 4

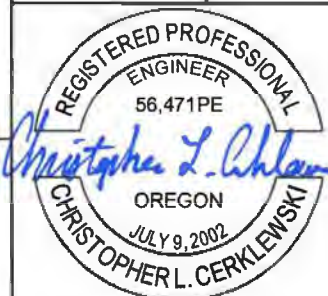
RAMP NUMBER: 1

INSTALL NEW CROSSWALK, TYPICAL

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
1ST AND LYON CURB RAMP DETAIL - CORNER 4



EXPIRATION DATE: 12/31/2017

SHEET NO. 161 OF 192

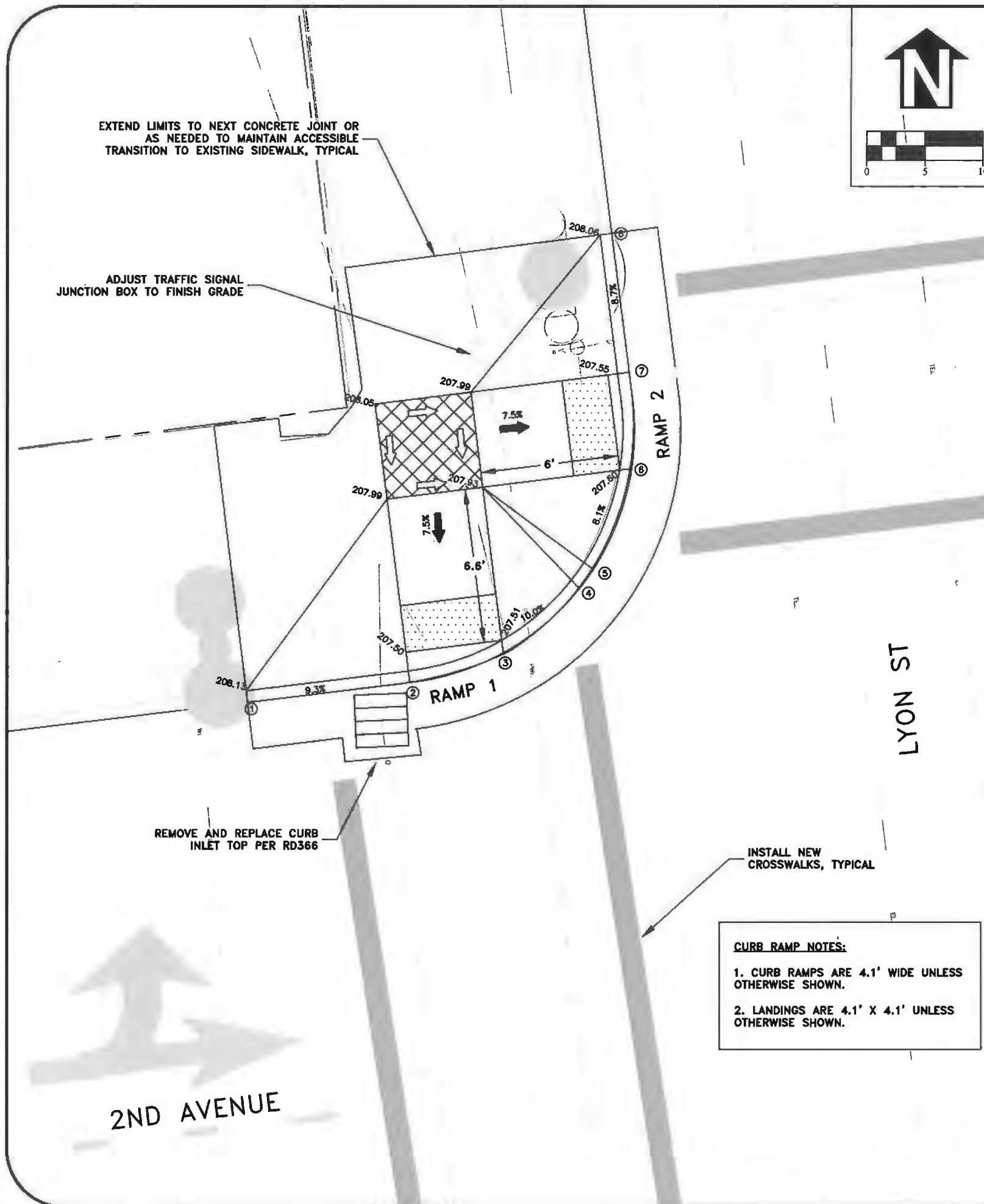
PROJECT NO: ST-15-03-B

FILE: BASE.DWG

DESIGNED: C. CERKLEWSKI
DRAWN: C. CERKLEWSKI
CHECKED: G. GRAHAM
DATE: 4/11/2017

REVISIONS	
NO.	BY:
4/25/2017	REV 1 L. SCHUMACHER
9/20/2017	REV 2 C. CERKLEWSKI

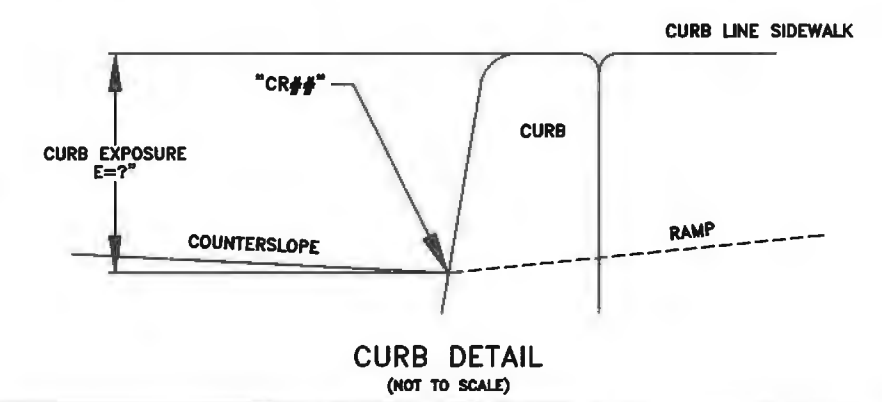
**APPROVED FOR
CONSTRUCTION**



CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E21+26.46 L38.77	207.64
2	E21+26.44 L31.77	207.48
3	E21+27.21 L27.67	207.51
4	E21+29.55 L24.08	207.94
5	E21+30.28 L23.40	207.95
6	E21+34.36 L21.23	207.60
7	E21+38.46 L20.84	207.54
8	E21+44.45 L20.86	207.53

DESIGN EXCEPTION CONTROL:
 LRM: 03100D00
 MP: 10.63
 CORNER POSITION: 1
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	DATE: 4/11/2017
DATE: 4/11/2017	BY: L. SCHUMACHER
4/25/2017	REV 1
9/20/2017	REV 2
	C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

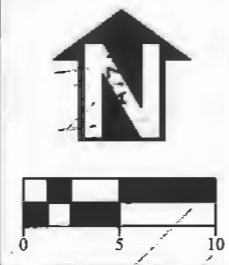
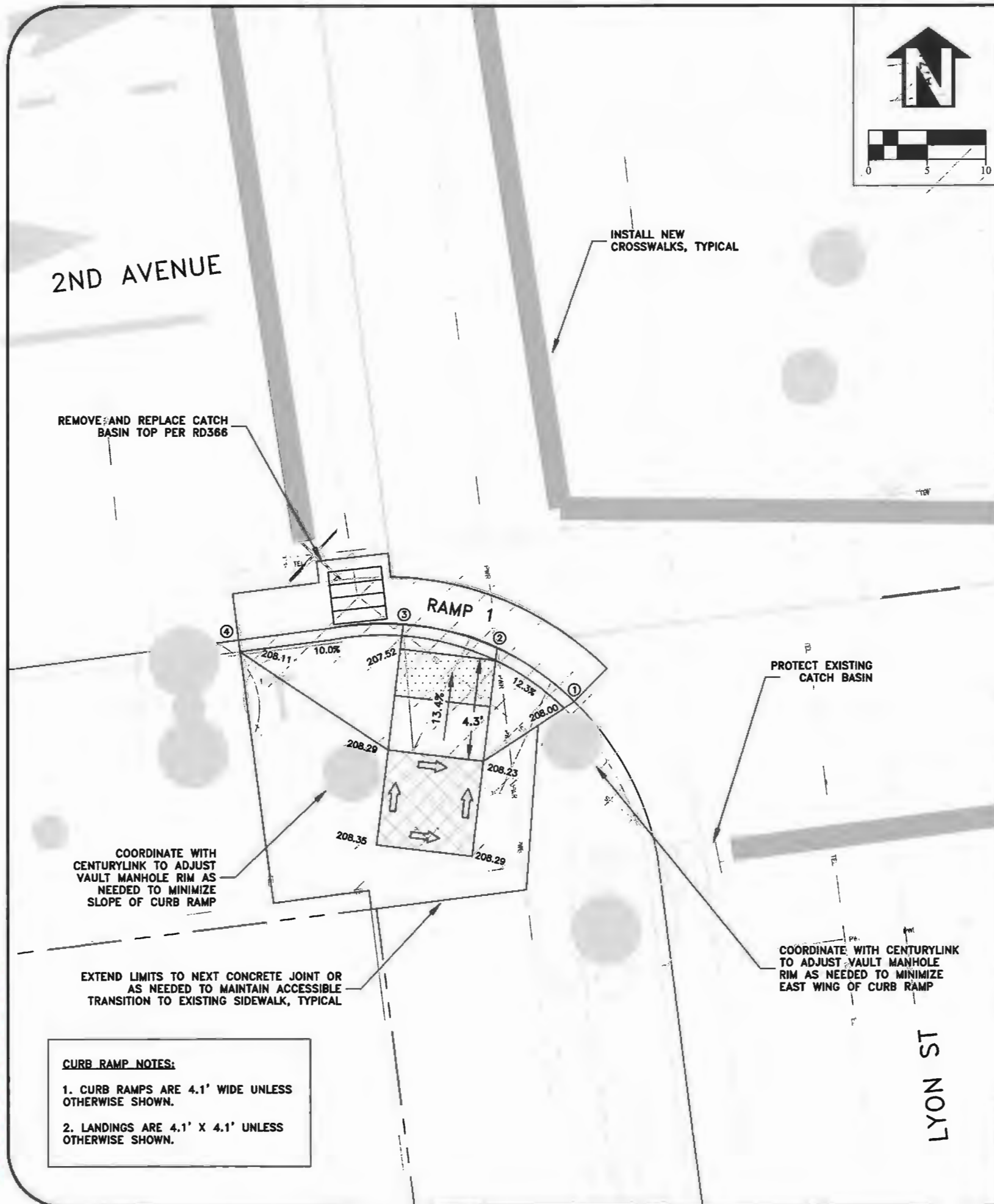
**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
2ND AND LYON CURB RAMP DETAIL - CORNER 1**

REGISTERED PROFESSIONAL ENGINEER
 56,471PE
Christopher L. Cerkowski
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

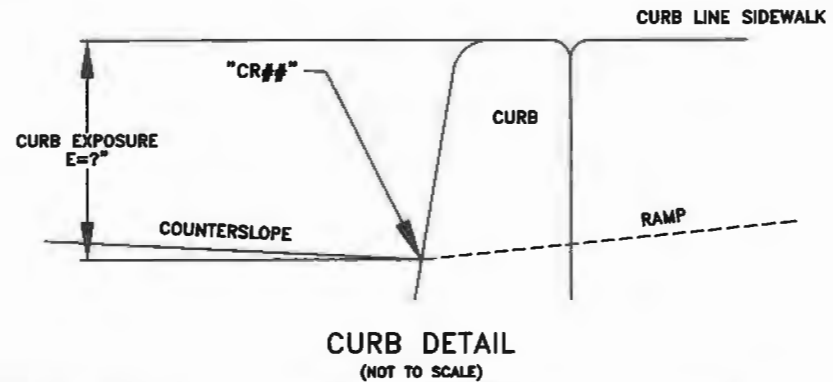
SHEET NO. 162 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

APPROVED FOR CONSTRUCTION



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E20+80.18 L23.5	207.60
2	E20+82.87 L26.51	207.57
3	E20+84.38 L30.33	207.51
4	E20+84.58 L37.40	207.55
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:
 LRM: 03100D00
 MP: 10.63
 CORNER POSITION: 2
 RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO: BY:
CHECKED: G. GRAHAM	4/25/2017 REV 1 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 2ND AND LYON CURB RAMP DETAIL - CORNER 2

REGISTERED PROFESSIONAL ENGINEER
 56,471PE
Christopher L. Cerkowski
 NEPCOM
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

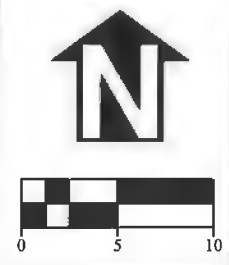
EXPIRATION DATE: 12/31/2017

SHEET NO. 163 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

CURB RAMP NOTES:

1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



2ND AVENUE

INSTALL NEW CROSSWALKS, TYPICAL

REMOVE AND REPLACE EXISTING CATCH BASIN TOP PER RD366

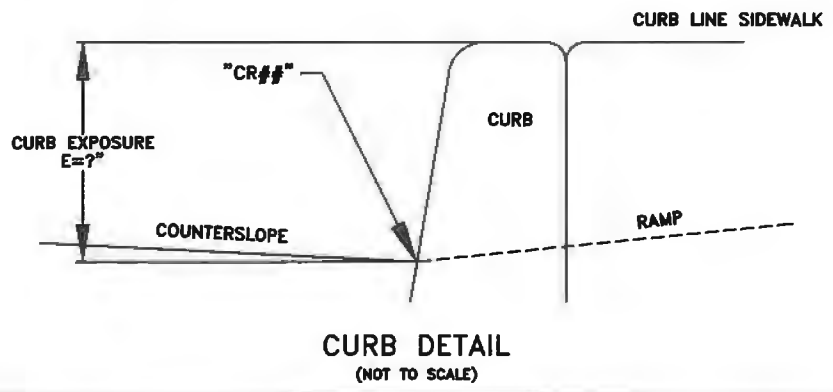
ADJUST TRAFFIC SIGNAL JUNCTION BOX TO FINISH GRADE

PROTECT TRAFFIC SIGNAL POLE

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E20+67.09 R20.95	207.53
2	E20+74.73 R21.20	207.42
3	E20+78.83 R22.69	207.48
4	E20+81.01 R24.29	207.50
5	E20+81.80 R25.11	207.52
6	E20+83.35 R27.36	207.57
7	E20+84.58 R31.46	207.63
8	E20+84.65 R34.28	207.66

DESIGN EXCEPTION CONTROL:

LRM: 03100D00
 MP: 10.63
 CORNER POSITION: 3
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1: C. CERKLEWSKI
	REV 2: --

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 2ND AND LYON CURB RAMP DETAIL - CORNER 3



EXPIRATION DATE: 12/31/2017

SHEET NO. 164 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

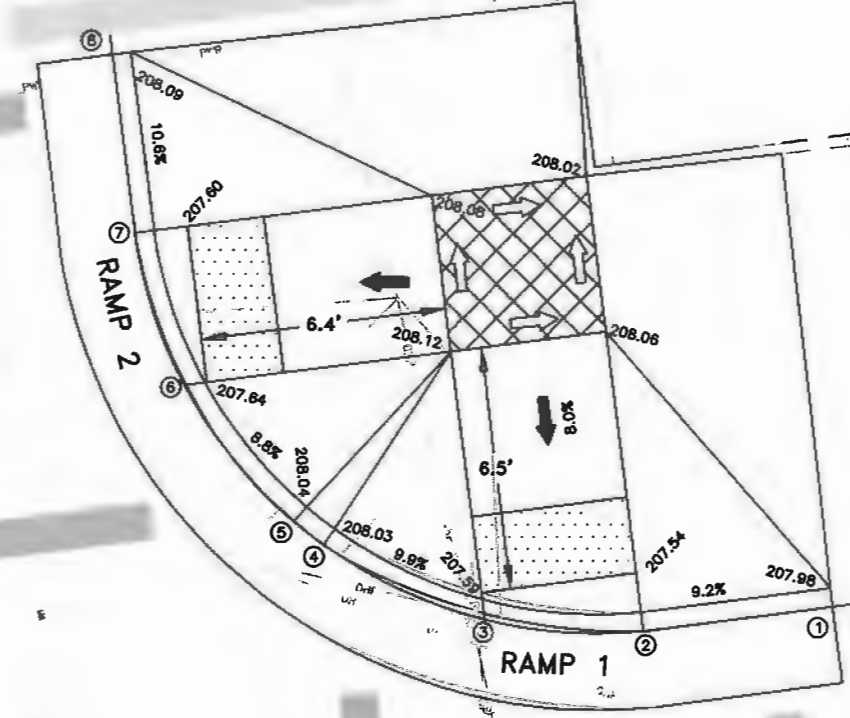
**APPROVED FOR
CONSTRUCTION**

LYON ST

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

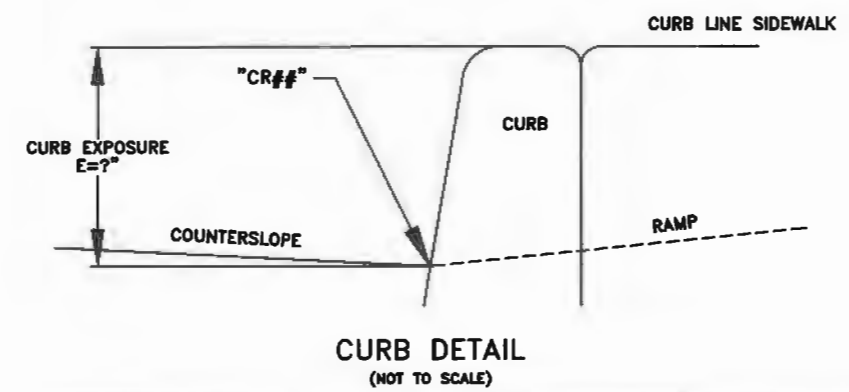
INSTALL NEW CROSSWALKS, TYPICAL

2ND AVENUE



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:
1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E21+26.32 R37.72	207.49
2	E21+26.30 R32.76	207.52
3	E21+27.13 R28.66	207.58
4	E21+29.58 R24.75	207.60
5	E21+30.30 R24.06	207.61
6	E21+34.18 R21.70	207.64
7	E21+38.28 R20.92	207.59
8	E21+42.97 R20.91	207.57

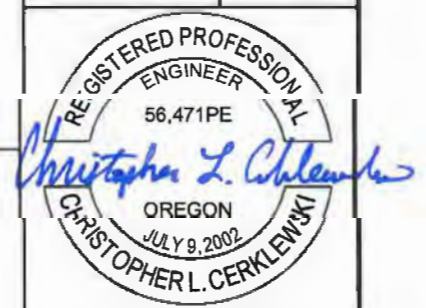
DESIGN EXCEPTION CONTROL:
 LRM: 03100D00
 MP: 10.63
 CORNER POSITION: 4
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY:
DATE: 4/11/2017	
DATE: 4/25/2017	REV 1
DATE: 9/20/2017	REV 2

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
2ND AND LYON CURB RAMP DETAIL - CORNER 4

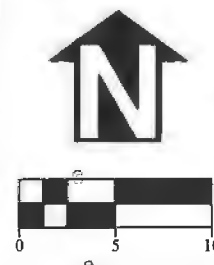


EXPIRATION DATE: 12/31/2017
 SHEET NO. 165 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

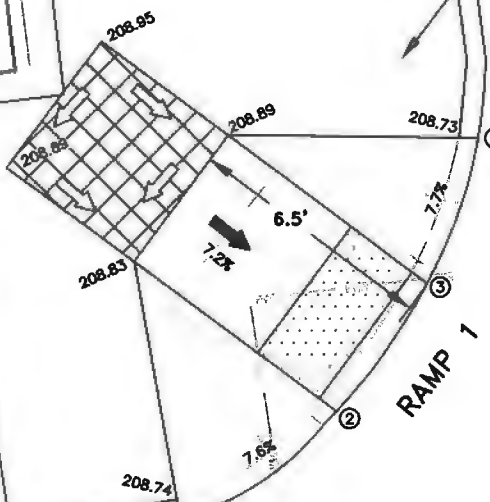
**APPROVED FOR
CONSTRUCTION**

EXTEND LIMITS TO NEXT CONCRETE JOINT
OR AS NEEDED TO MAINTAIN ACCESSIBLE
TRANSITION TO EXISTING SIDEWALK, TYPICAL

PROTECT EXISTING
TRAFFIC SIGNAL POLE



LYON ST



PROTECT EXISTING CATCH BASIN
REMOVE AND REPLACE EXISTING
CATCH BASIN TOP PER RD366.

INSTALL NEW
CROSSWALKS, TYPICAL

CURB RAMP NOTES:

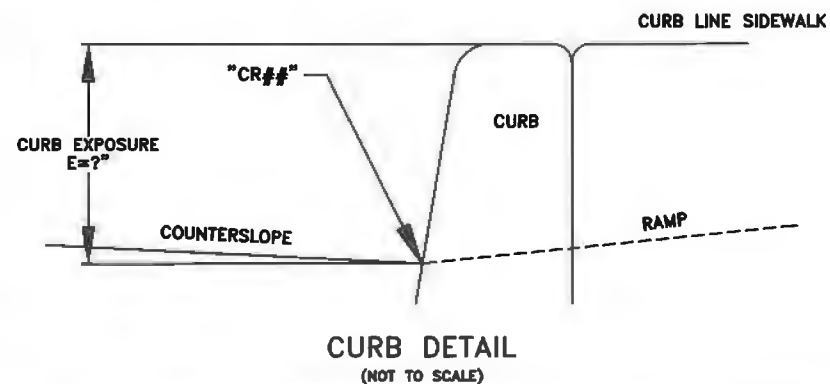
1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

3RD AVENUE

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E18+34.09 L30.21	208.09
2	E18+36.35 L25.82	208.36
3	E18+39.37 L23.04	208.42
4	E18+42.97 L21.25	208.32
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:

LRM: 03100D00

MP: 10.69

CORNER POSITION: 1

RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI
DRAWN: C. CERKLEWSKI
CHECKED: G. GRAHAM
DATE: 4/11/2017

REVISIONS	
NO.	BY:
REV 1	L. SCHUMACHER
REV 2	C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
3RD AND LYON CURB RAMP DETAIL - CORNER 1**



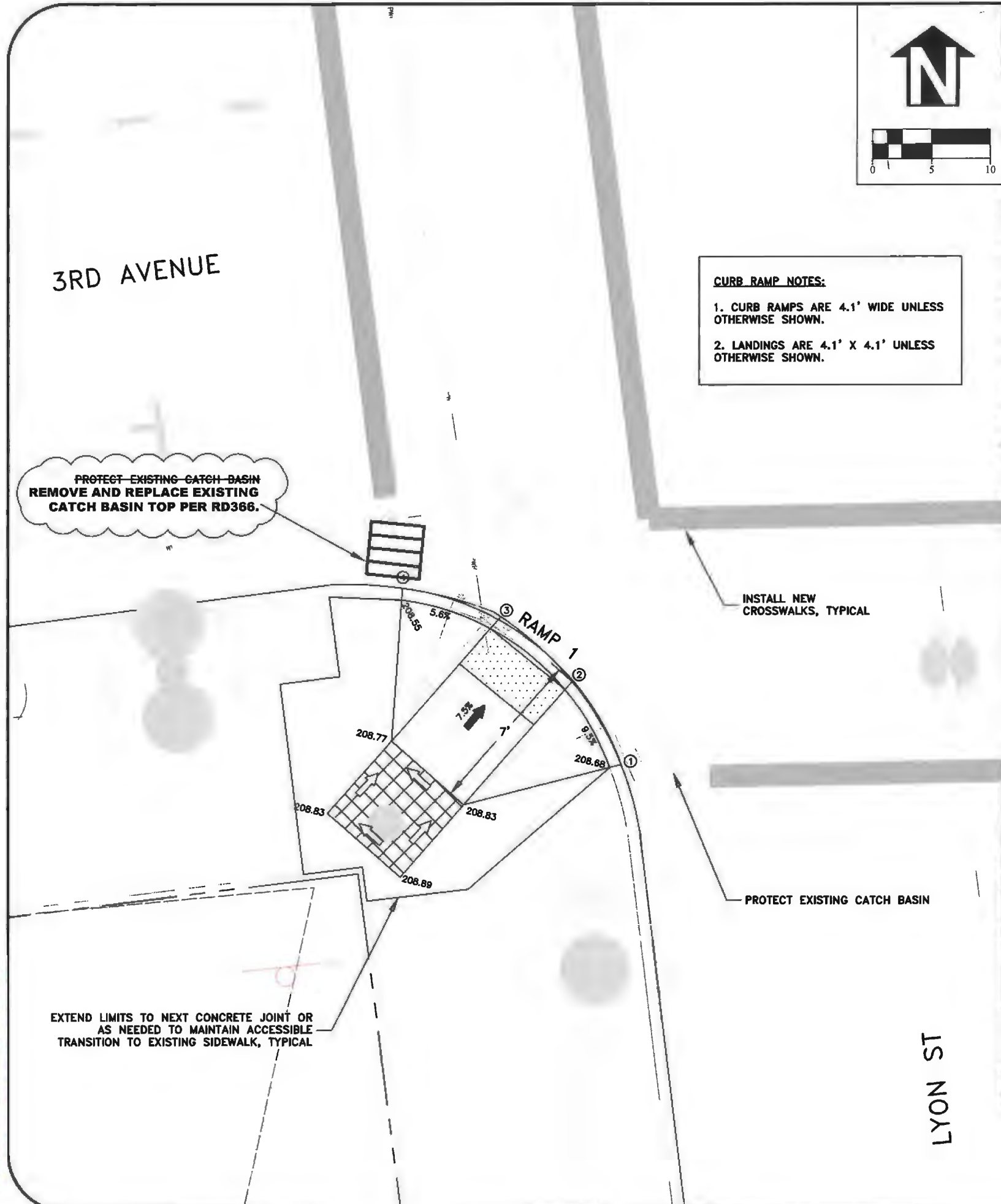
EXPIRATION DATE: 12/31/2017

SHEET NO. 166 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

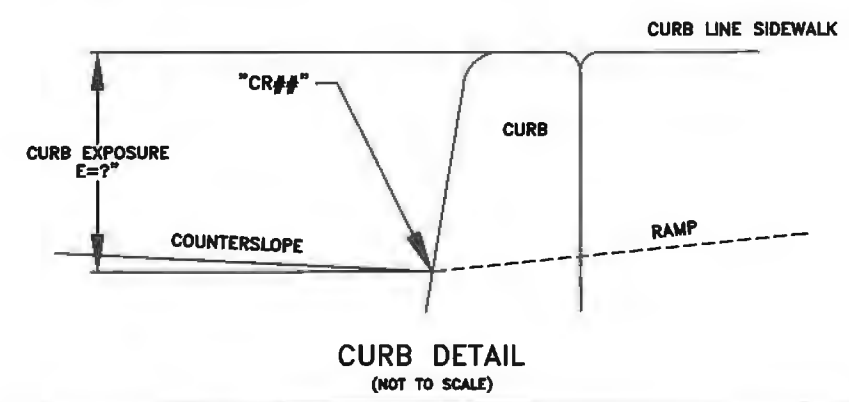
APPROVED FOR CONSTRUCTION



CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E17+83.42 L21.31	208.07
2	E17+87.22 L22.89	208.30
3	E17+90.20 L25.72	208.24
4	E17+92.02 L29.64	208.03
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:
 LRM: 03100D00
 MP: 10.69
 CORNER POSITION: 2
 RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
3RD AND LYON CURB RAMP DETAIL - CORNER 2**

REGISTERED PROFESSIONAL
ENGINEER
56,471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 167 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

LYON ST

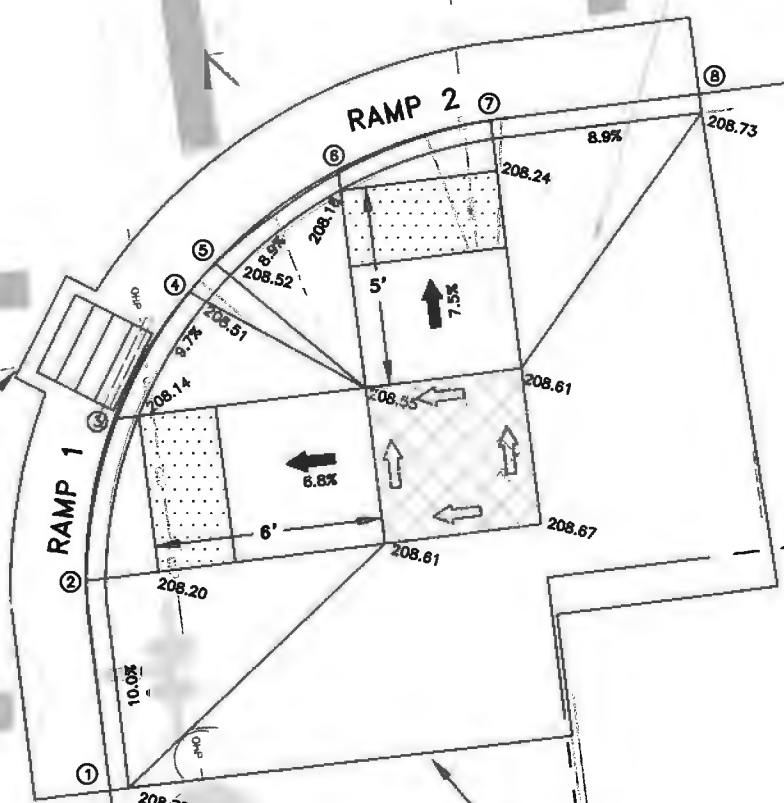
B11+00

CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

INSTALL NEW CROSSWALKS, TYPICAL

REMOVE AND REPLACE CATCH BASIN TOP PER RD366

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

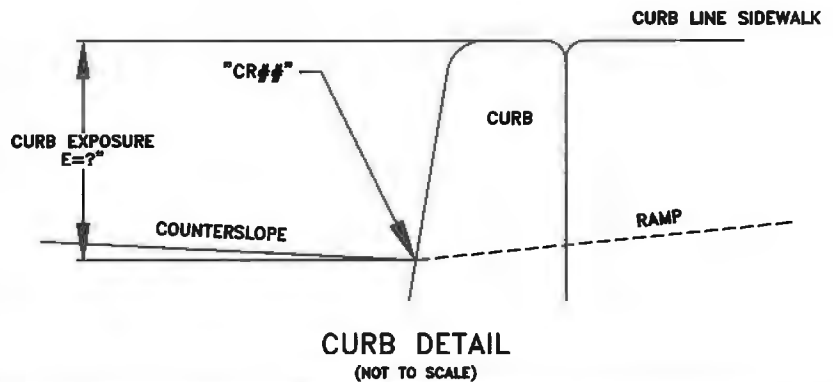


3RD AVENUE



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
- SLOPES HOLD OVER ELEVATIONS.
 - MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 - SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E17+76.24 R21.03	208.23
2	E17+81.76 R21.09	208.18
3	E17+85.86 R22.42	208.14
4	E17+88.90 R24.69	208.15
5	E17+89.54 R25.40	208.16
6	E17+91.58 R28.89	208.18
7	E17+92.38 R32.99	208.24
8	E17+92.39 R38.49	208.23

DESIGN EXCEPTION CONTROL:
 LRM: 03100D00
 MP: 10.69
 CORNER POSITION: 3
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	REV 3

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 3RD AND LYON CURB RAMP DETAIL - CORNER 3



EXPIRATION DATE: 12/31/2017
 SHEET NO. 168 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

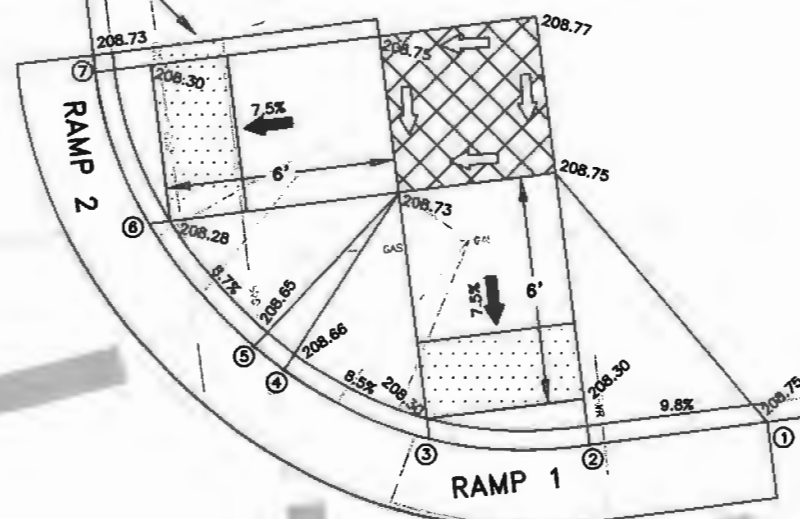
APPROVED FOR CONSTRUCTION

LYON ST

6" WIDE VARIABLE HEIGHT CURB PROTECTED BY NEW STREET LIGHT POLE AND EXISTING TRAFFIC SIGNAL POLE

INSTALL NEW CROSSWALKS, TYPICAL

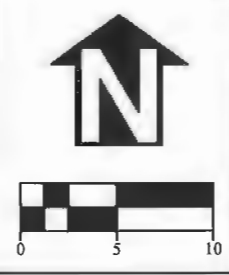
PROTECT EXISTING TRAFFIC SIGNAL POLE



3RD AVENUE

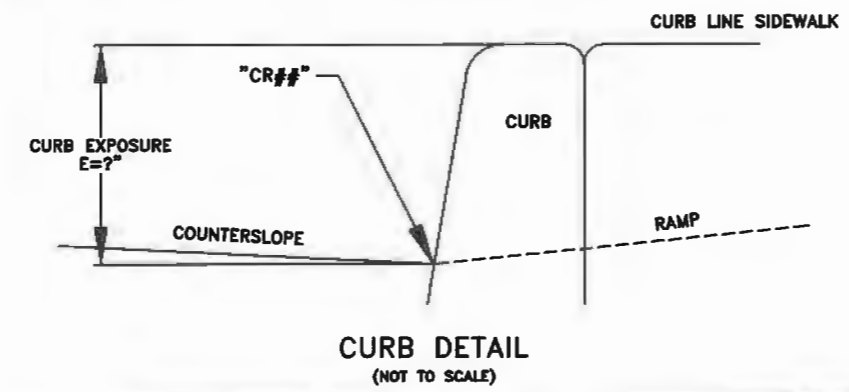
CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

B11+00



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E18+34.09 R37.29	208.28
2	E18+34.08 R32.62	208.29
3	E18+34.75 R28.52	208.30
4	E18+37.02 R24.96	208.29
5	E18+37.73 R24.26	208.29
6	E18+41.24 R21.96	208.28
7	E18+45.34 R21.05	208.28
8		

DESIGN EXCEPTION CONTROL:
 LRM: 03100D00
 MP: 10.69
 CORNER POSITION: 4
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	REV 3
	REV 4

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
3RD AND LYON CURB RAMP DETAIL - CORNER 4**

REGISTERED PROFESSIONAL ENGINEER
 56,471PE
Christopher L. Cerkowski
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 169 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

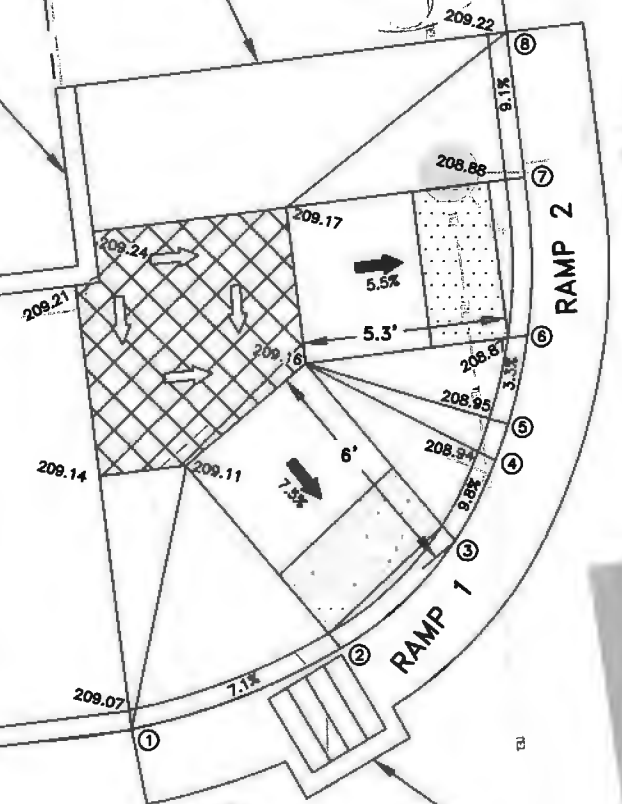
APPROVED FOR CONSTRUCTION

4TH AVENUE

CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

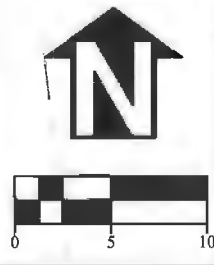
CONSTRUCT 6" WIDE CURB AT BACK OF WALK AS DIRECTED BY THE ENGINEER

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL



INSTALL NEW CROSSWALK

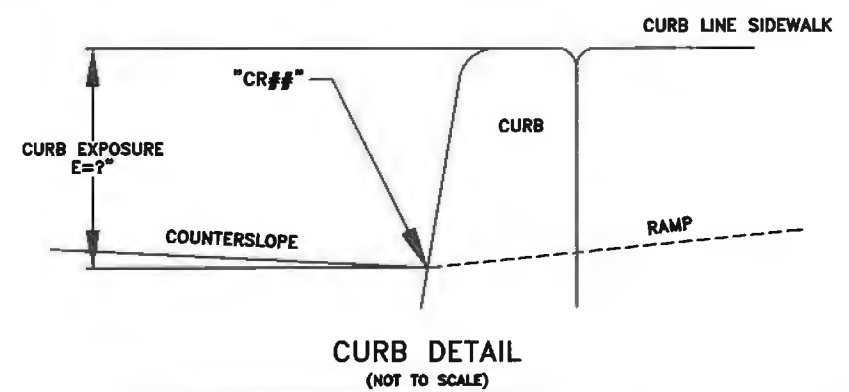
REMOVE AND REPLACE EXISTING CATCH BASIN TOP PER RD366



LYON ST

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E15+42.11 L33.13	208.70
2	E15+43.50 L27.44	208.65
3	E15+45.90 L24.13	208.71
4	E15+47.86 L22.83	208.78
5	E15+48.75 L22.38	208.80
6	E15+50.99 L21.60	208.87
7	E15+55.09 L21.17	208.87
8	E15+58.90 L21.16	208.89

DESIGN EXCEPTION CONTROL:
 LRM: 03100D00
 MP: 10.74
 CORNER POSITION: 1
 RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	BY: C. CERKLEWSKI
DRAWN: C. CERKLEWSKI	BY: L. SCHUMACHER
CHECKED: G. GRAHAM	BY: C. CERKLEWSKI
DATE: 4/11/2017	
REVISIONS	
NO:	BY:
4/25/2017 REV 1	L. SCHUMACHER
9/20/2017 REV 2	C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**

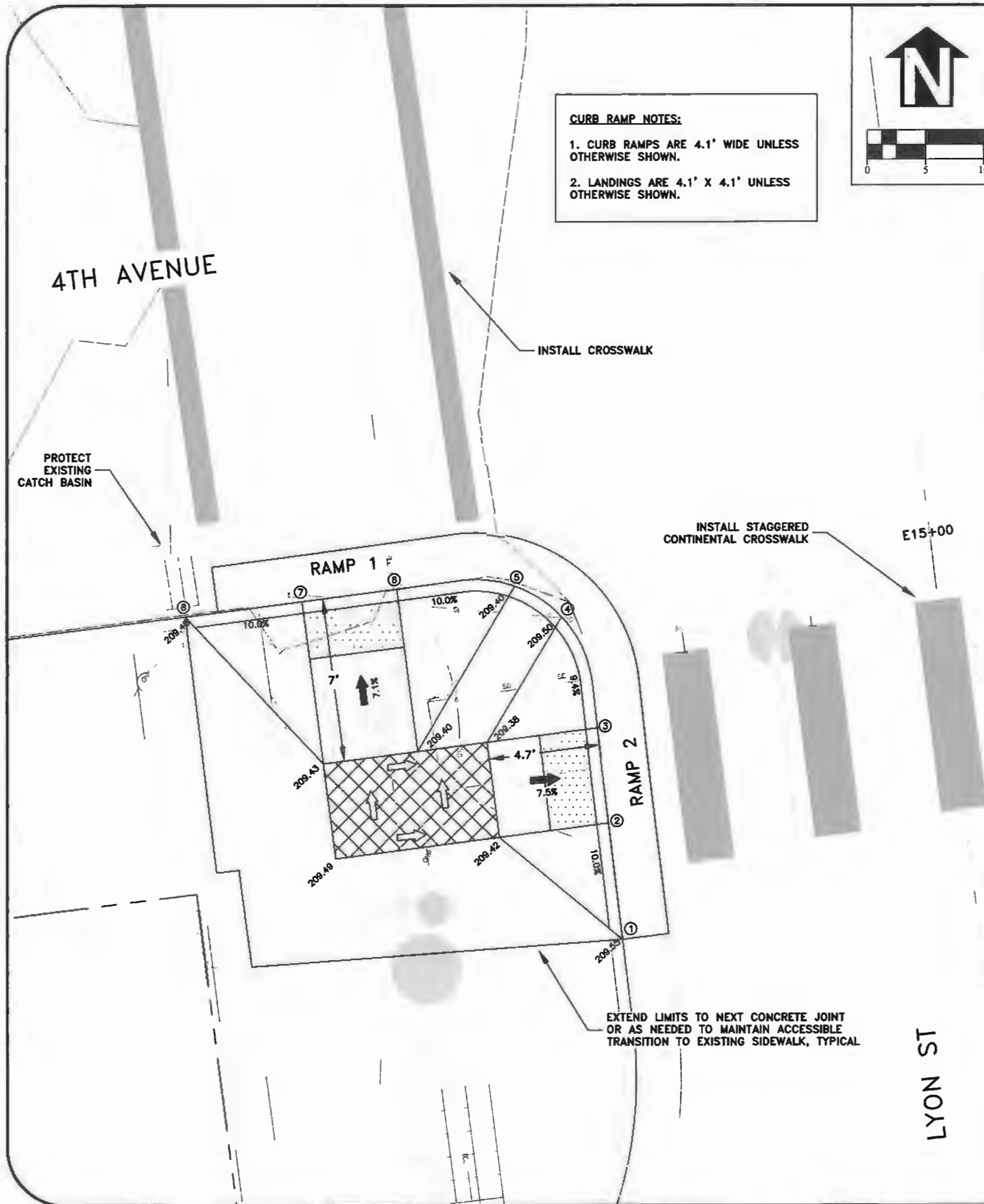


**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 4TH AND LYON CURB RAMP DETAIL - CORNER 1**



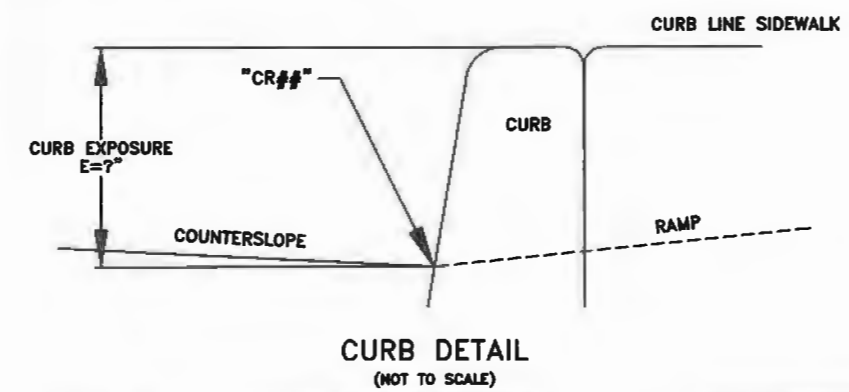
EXPIRATION DATE: 12/31/2017
 SHEET NO. 170 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
- SLOPES HOLD OVER ELEVATIONS.
 - MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 - SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E14+84.11 L15.21	209.07
2	E14+89.13 L15.19	209.05
3	E14+93.23 L15.15	209.03
4	E14+98.14 L16.06	208.98
5	E14+99.68 L17.88	208.95
6	E15+00.19 L22.90	208.90
7	E15+00.17 L27.00	208.84
8	E15+00.14 L31.99	208.62

DESIGN EXCEPTION CONTROL:

LRM: 03100D00

MP: 10.74

CORNER POSITION: 2

RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO: BY:
CHECKED: G. GRAHAM	4/25/2017 REV 1 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
4TH AND LYON CURB RAMP DETAIL - CORNER 2**

REGISTERED PROFESSIONAL ENGINEER
 56,471PE
Christopher L. Cerkowski
 OREGON
 JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 171 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

REMOVE EXISTING CROSSWALK AND RELOCATE TO THE EAST AS DIRECTED BY THE ENGINEER

CURB RAMP NOTES:

1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

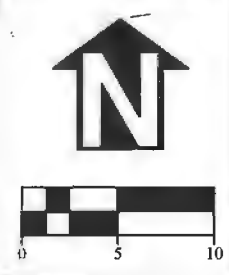
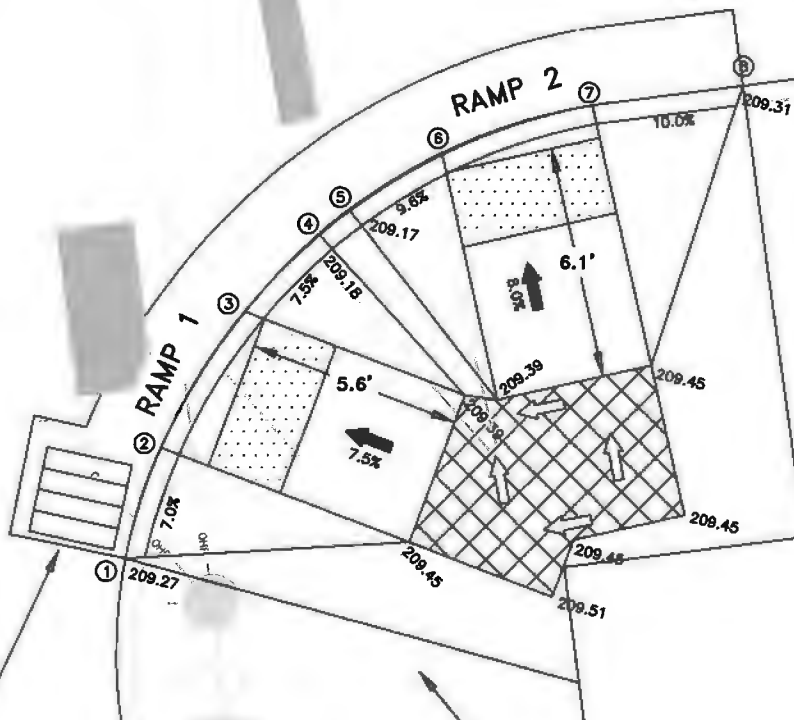
INSTALL STAGGERED CONTINENTAL CROSSWALK

REMOVE AND REPLACE EXISTING CATCH BASIN TOP PER RD366

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

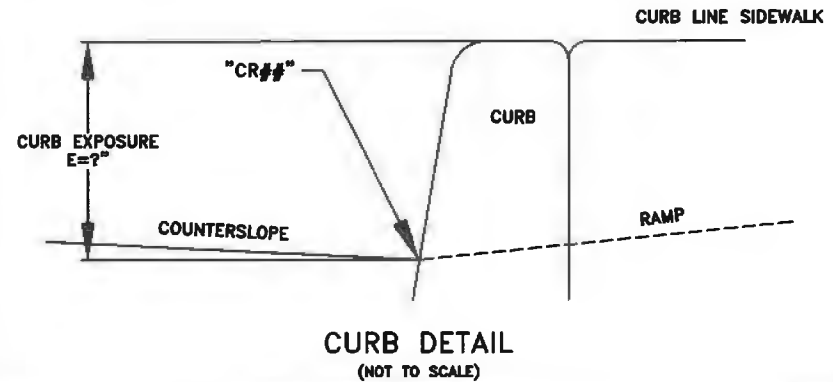
4TH AVENUE

INSTALL CROSSWALK



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E14+89.75 R21.70	208.64
2	E14+92.50 R22.96	209.06
3	E14+95.76 R25.57	208.97
4	E14+97.49 R27.76	208.93
5	E14+98.01 R28.62	208.92
6	E14+99.17 R31.19	208.90
7	E14+99.96 R35.23	208.96
8	E14+99.97 R39.18	208.98

DESIGN EXCEPTION CONTROL:

LRM: 03100D00

MP: 10.74

CORNER POSITION: 3

RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO: BY:
CHECKED: G. GRAHAM	4/25/2017 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
4TH AND LYON CURB RAMP DETAIL - CORNER 3



EXPIRATION DATE: 12/31/2017

SHEET NO. 172 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

LYON ST

**APPROVED FOR
CONSTRUCTION**

CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

REMOVE AND REPLACE
EXISTING CATCH BASIN
TOP PER RD366

LYON ST

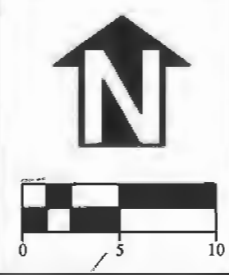
RAMP 2

RAMP 1

4TH AVENUE

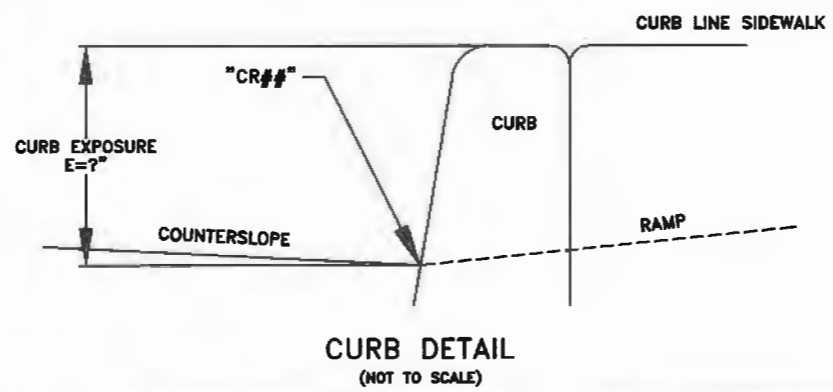
INSTALL NEW
CROSSWALK

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO
MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
- SLOPES HOLD OVER ELEVATIONS.
 - MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 - SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E15+42.06 R38.49	208.75
2	E15+42.05 R32.99	208.89
3	E15+42.82 R29.10	208.82
4	E15+45.37 R25.09	209.29
5	E15+49.99 R21.81	209.30
6	E15+49.99 R21.81	208.84
7	E15+54.09 R21.16	208.84
8	E15+59.10 R21.19	209.31

DESIGN EXCEPTION CONTROL:
 LRM: 03100D00
 MP: 10.74
 CORNER POSITION: 4
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO: BY:
CHECKED: G. GRAHAM	4/25/2017 REV 1 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
4TH AND LYON CURB RAMP DETAIL - CORNER 4**



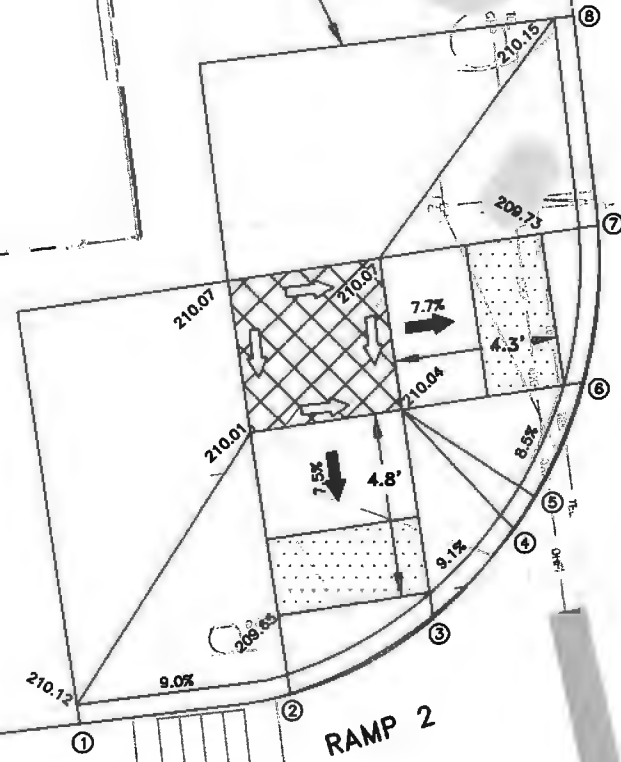
EXPIRATION DATE: 12/31/2017
 SHEET NO. 173 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

EXTEND LIMITS TO NEXT CONCRETE JOINT
OR AS NEEDED TO MAINTAIN ACCESSIBLE
TRANSITION TO EXISTING SIDEWALK, TYPICAL

PROTECT EXISTING
CATCH BASIN

5TH AVENUE



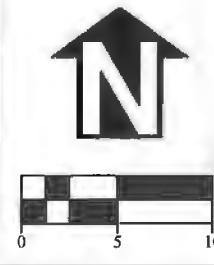
RAMP 1

RAMP 2

INSTALL NEW
CROSSWALK

CURB RAMP NOTES:

1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

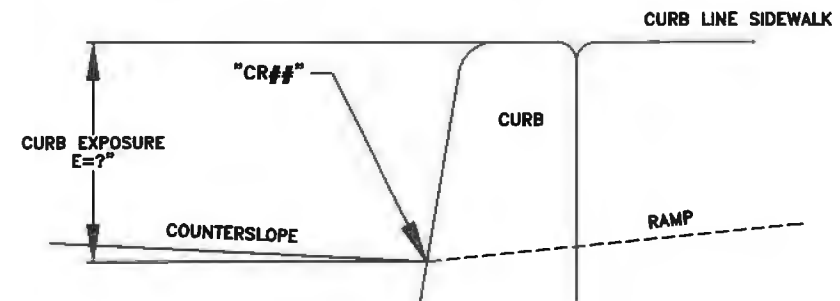


LYON ST

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



CURB DETAIL
(NOT TO SCALE)

LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E12+52.40 L36.14	209.62
2	E12+52.51 L30.65	209.62
3	E12+54.05 L26.68	209.68
4	E12+56.03 L24.28	209.97
5	E12+56.79 L23.63	209.98
6	E12+59.61 L22.06	209.71
7	E12+63.63 L21.15	209.71
8	E12+69.13 L21.12	209.65

DESIGN EXCEPTION CONTROL:

LRM: 03100D00

MP: 10.79

CORNER POSITION: 1

RAMP NUMBER: 1 AND 2

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
5TH AND LYON CURB RAMP DETAIL - CORNER 1**

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	REV 3
	REV 4
	REV 5



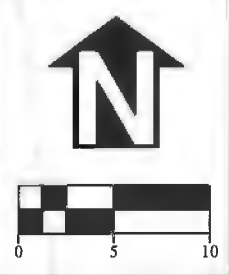
EXPIRATION DATE: 12/31/2017

SHEET NO. 174 OF 192

PROJECT NO: ST-15-03-B

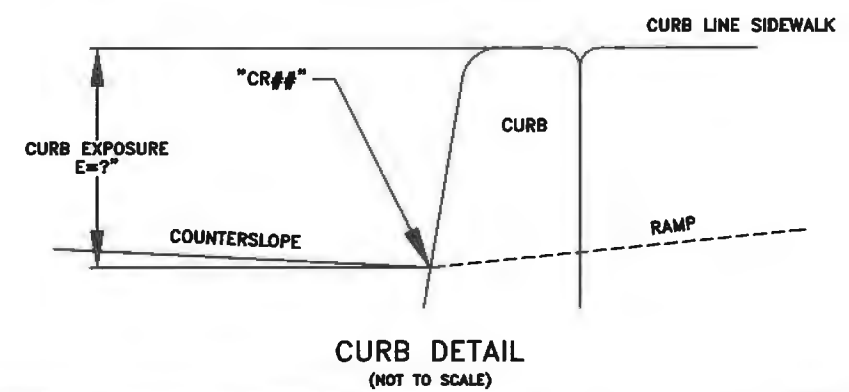
FILE: BASE.DWG

CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E11+92.12 L15.28	209.65
2	E11+99.62 L15.05	209.67
3	E12+03.69 L14.94	209.66
4	E12+08.63 L15.79	209.63
5	E12+10.06 L17.42	209.62
6	E12+10.58 L22.89	209.60
7	E12+10.52 L27.00	209.58
8	E12+10.35 L34.49	209.60

DESIGN EXCEPTION CONTROL:
 LRM: 03100D00
 MP: 10.79
 CORNER POSITION: 2
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2

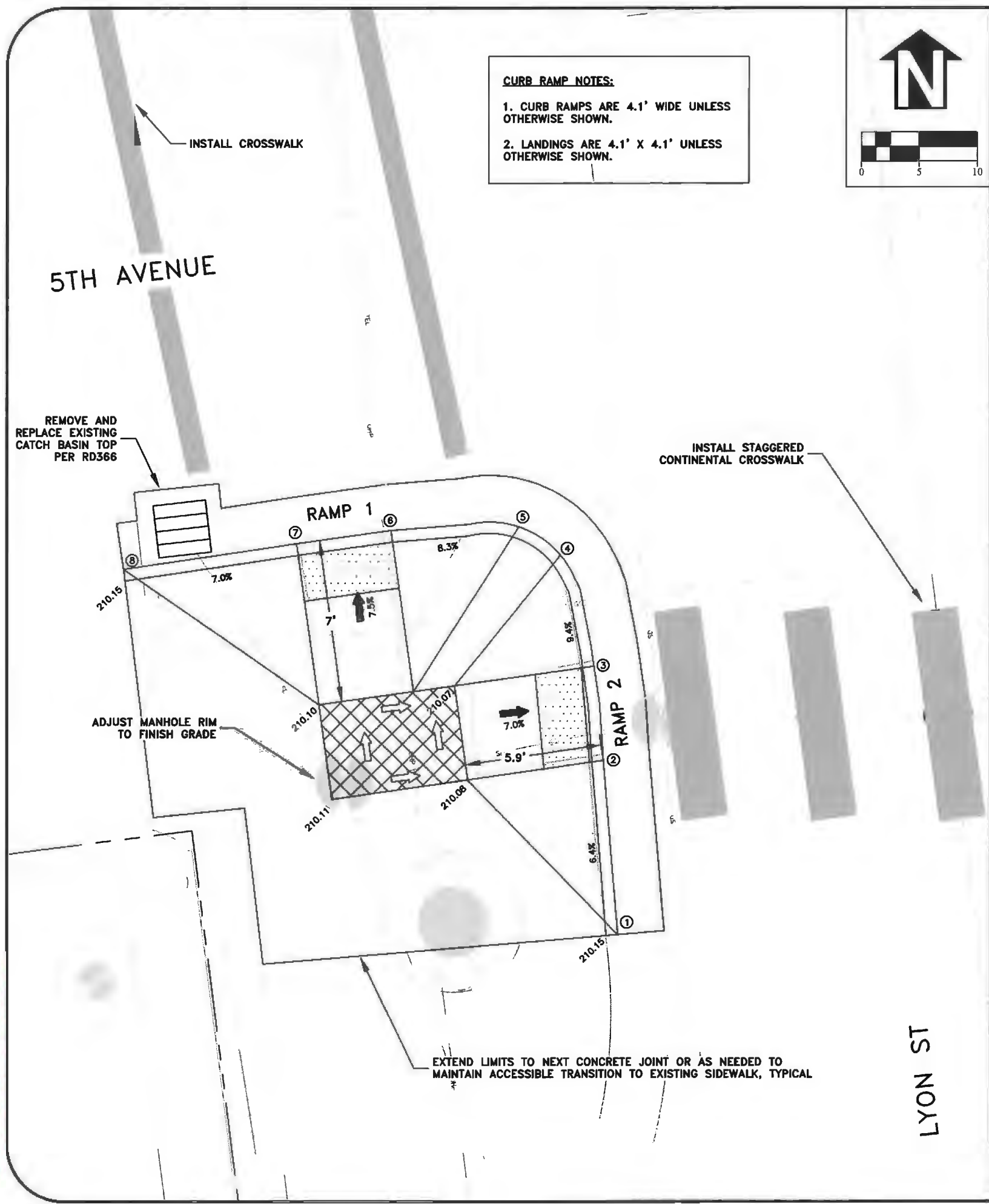
**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
5TH AND LYON CURB RAMP DETAIL - CORNER 2**

REGISTERED PROFESSIONAL ENGINEER
 56,471PE
Christopher L. Cerkowski
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017
 SHEET NO. 175 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

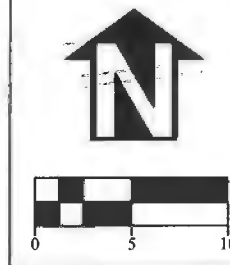
APPROVED FOR CONSTRUCTION



**APPROVED FOR
CONSTRUCTION**

CURB RAMP NOTES:

1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

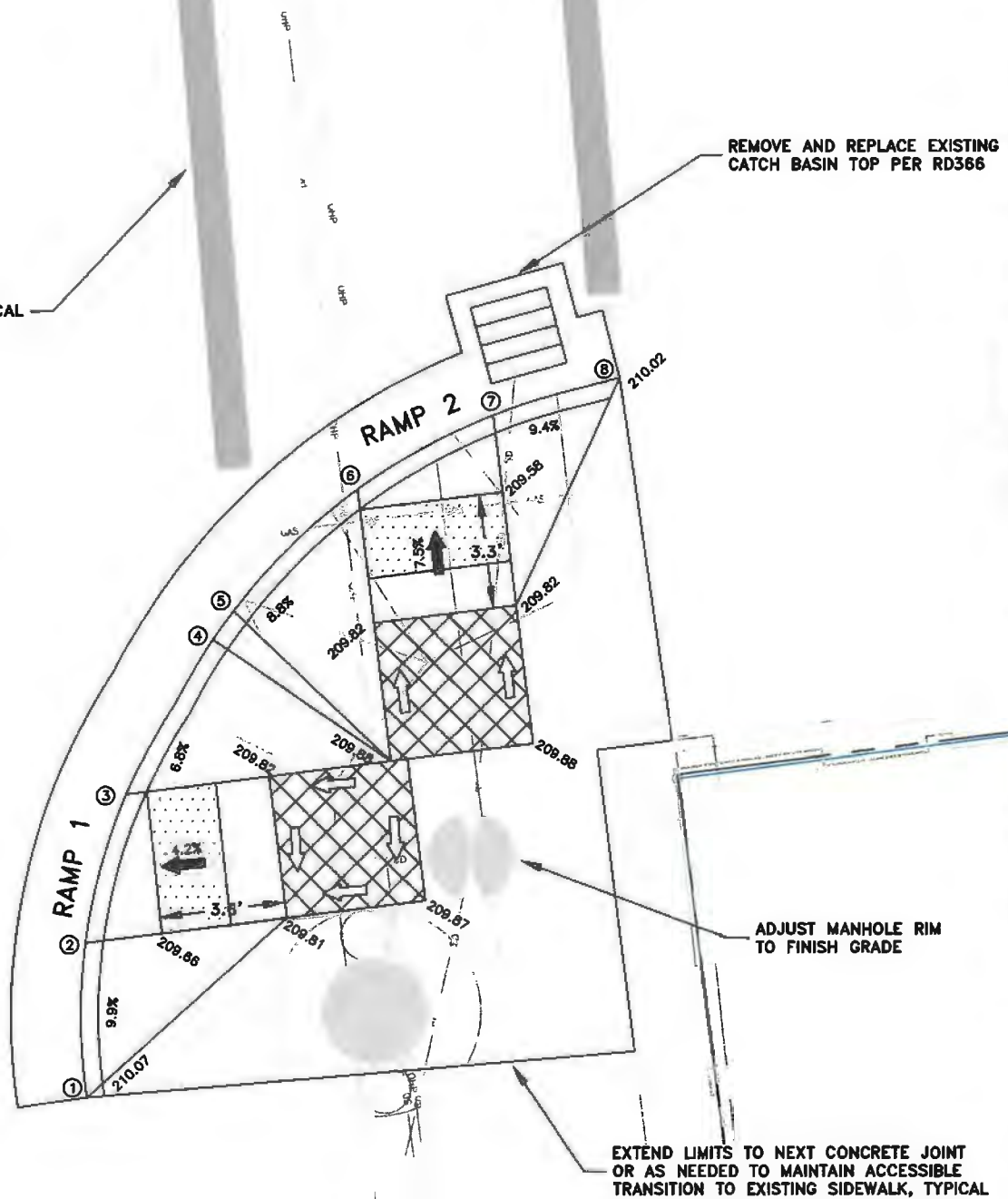


5TH AVENUE

LYON ST

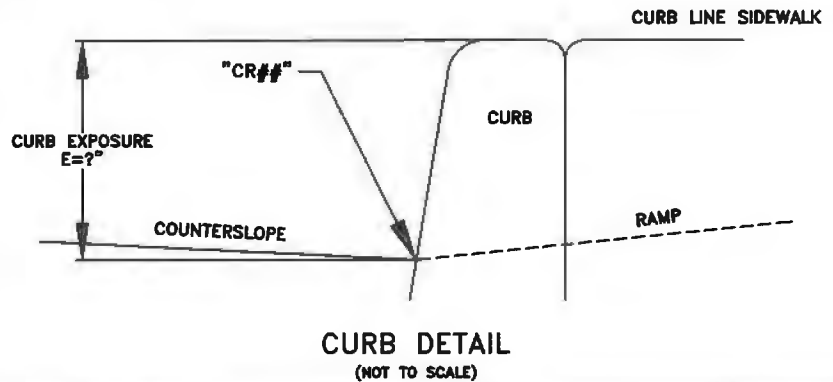
INSTALL CROSSWALK, TYPICAL

INSTALL STAGGERED CONTINENTAL CROSSWALK



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E11+91.15 R15.02	209.57
2	E11+95.56 R15.53	209.63
3	E11+99.65 R17.22	209.67
4	E12+03.74 R20.26	209.51
5	E12+04.47 R20.94	209.52
6	E12+07.51 R24.90	209.53
7	E12+09.14 R29.01	209.55
8	E12+09.76 R32.75	209.52

DESIGN EXCEPTION CONTROL:

LRM: 03100D00
 MP: 10.79
 CORNER POSITION: 3
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	DATE:
DATE: 4/11/2017	BY:
	NO. 1
	NO. 2
	NO. 3
	NO. 4
	NO. 5
	NO. 6
	NO. 7
	NO. 8
	NO. 9
	NO. 10

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 5TH AND LYON CURB RAMP DETAIL - CORNER 3



EXPIRATION DATE: 12/31/2017
 SHEET NO. 176 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

**APPROVED FOR
CONSTRUCTION**

LYON ST

EXISTING LANDSCAPE STRIP

6" WIDE
VARIABLE HEIGHT
CURB, TYPICAL

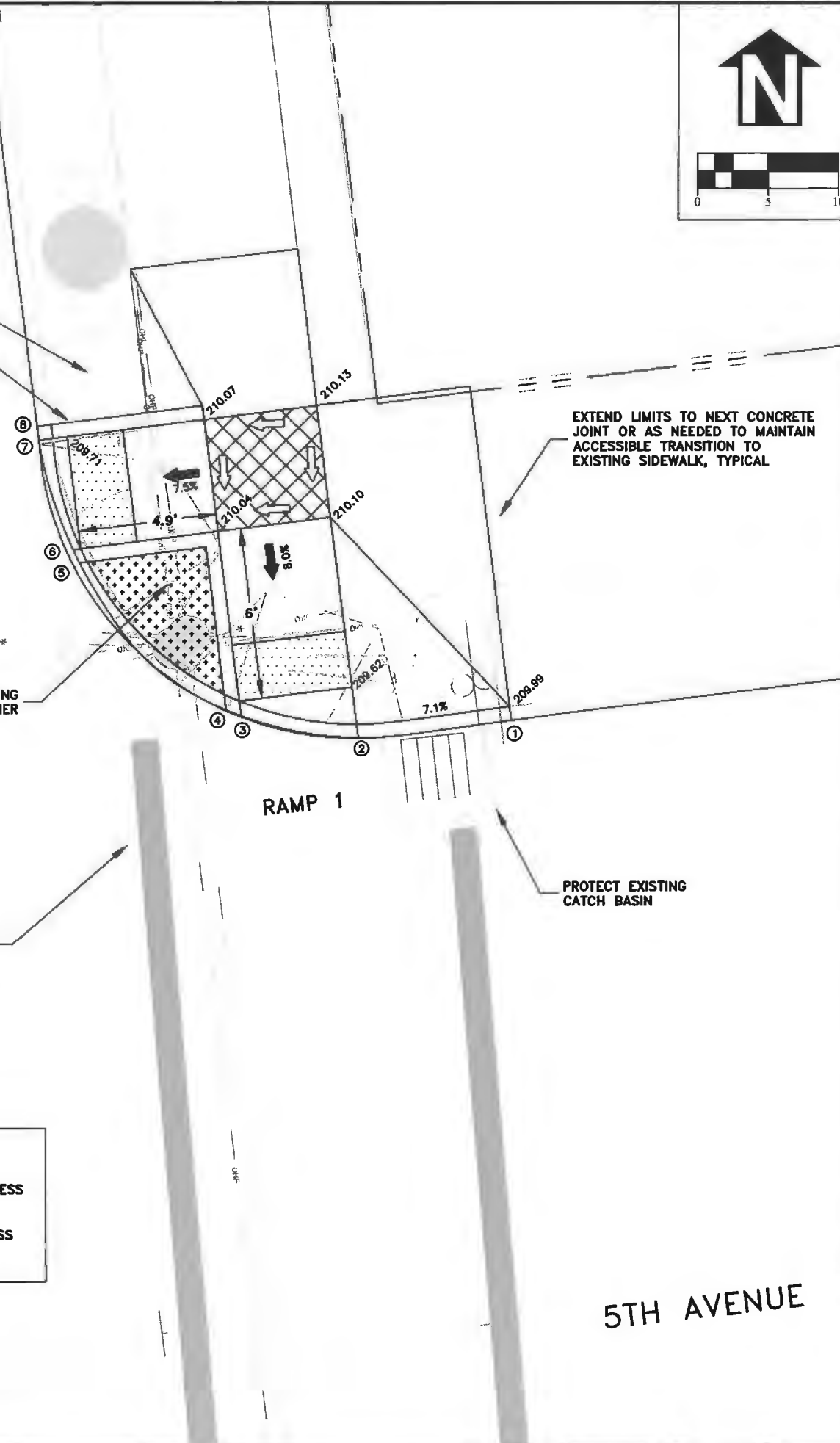
RAMP 2

INSTALL LANDSCAPING
ON CORNER

INSTALL CROSSWALK, TYPICAL

CURB RAMP NOTES:

1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



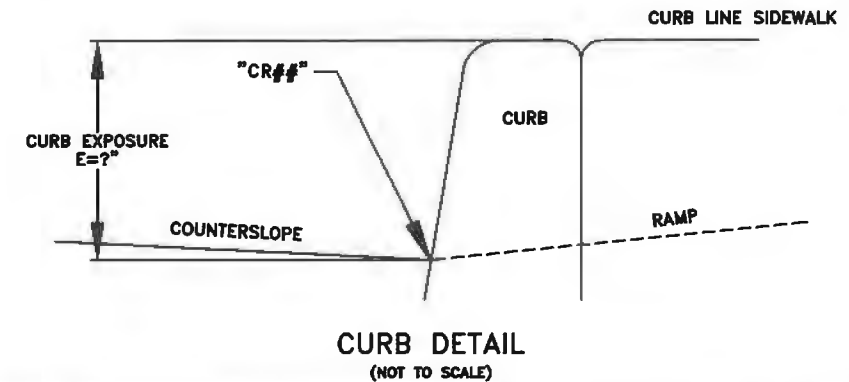
EXTEND LIMITS TO NEXT CONCRETE
JOINT OR AS NEEDED TO MAINTAIN
ACCESSIBLE TRANSITION TO
EXISTING SIDEWALK, TYPICAL

PROTECT EXISTING
CATCH BASIN

5TH AVENUE

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E12+52.48 R36.34	209.65
2	E12+52.56 R30.84	209.60
3	E12+53.84 R26.84	209.65
4	E12+54.11 R26.34	209.65
5	E12+59.93 R21.56	209.68
6	E12+60.43 R21.39	209.68
7	E12+64.44 R20.91	209.70
8	E12+64.94 R20.91	209.70

DESIGN EXCEPTION CONTROL:

LRM: 03100D00
MP: 10.79
CORNER POSITION: 4
RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	NO. 1
DATE: 4/11/2017	NO. 2
	BY:
	BY: L. SCHUMACHER
	BY: C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
5TH AND LYON CURB RAMP DETAIL - CORNER 4

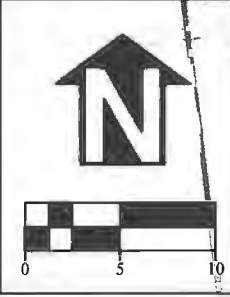








EXPIRATION DATE: 12/31/2017

SHEET NO. 177 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

CURB RAMP NOTES:

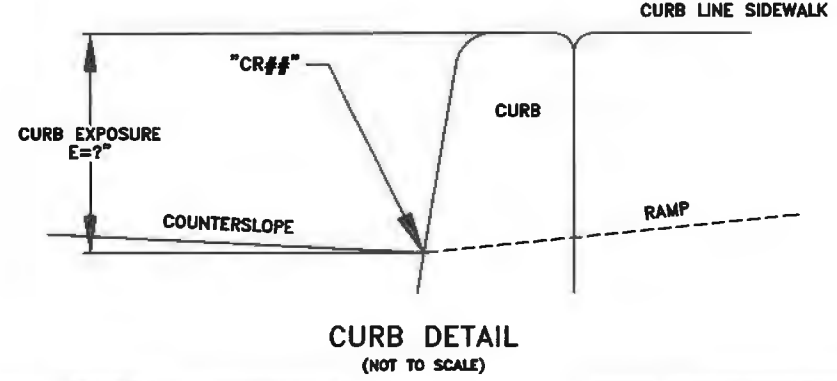
1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



-  MARKED OR INTENDED CROSSING LOCATION
-  SIDEWALK
-  TURNING SPACE
-  TRUNCATED DOME DETECTABLE WARNING SURFACE
-  SURFACE 1.5% MAX
-  SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E6+21.47 L21.18	211.34
2	E6+27.96 L21.49	211.35
3	E6+31.91 L23.12	211.41
4	E6+33.49 L24.36	211.62
5	E6+34.14 L25.14	611.62
6	E6+35.44 L27.18	211.49
7	E6+36.56 L31.21	211.44
8	E6+36.56 L33.64	211.07

DESIGN EXCEPTION CONTROL:

LRM: 03100D00

MP: 10.91

CORNER POSITION: 2

RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
7TH AND LYON CURB RAMP DETAIL - CORNER 2



EXPIRATION DATE: 12/31/2017

SHEET NO. 178 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

7TH AVENUE

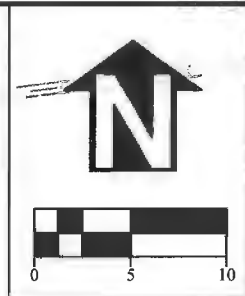
EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

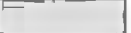





PROTECT EXISTING CATCH BASIN

LYON ST

CURB RAMP NOTES:

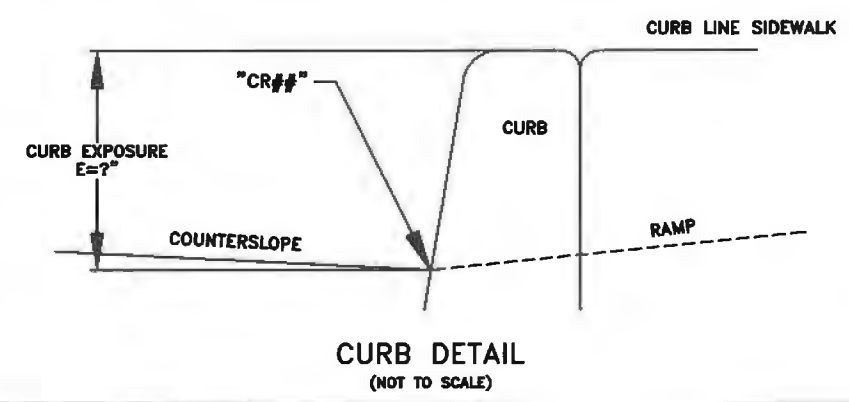
1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



-  MARKED OR INTENDED CROSSING LOCATION
-  SIDEWALK
-  TURNING SPACE
-  TRUNCATED DOME DETECTABLE WARNING SURFACE
-  SURFACE 1.5% MAX
-  SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E6+25.79 R20.99	211.64
2	E6+26.28 R21.02	211.64
3	E6+30.28 R21.81	211.63
4	E6+32.93 R23.50	211.46
5	E6+33.66 R24.19	211.45
6	E6+35.35 R26.58	211.42
7	E6+36.43 R30.58	211.36
8	E6+36.46 R31.08	211.36

DESIGN EXCEPTION CONTROL:

LRM: 03100D00

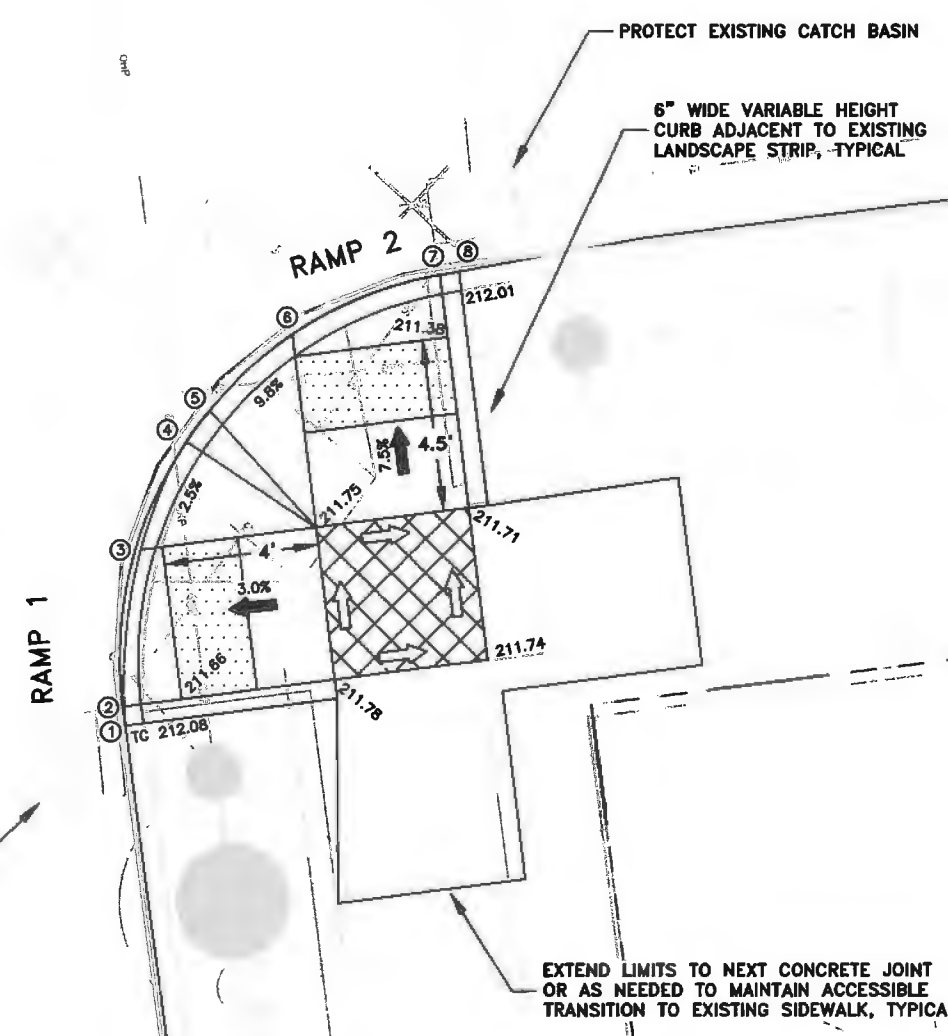
MP: 10.91

CORNER POSITION: 3

RAMP NUMBER: 1 AND 2


7TH AVENUE

LYON ST



DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
7TH AND LYON CURB RAMP DETAIL - CORNER 3**



EXPIRATION DATE: 12/31/2017

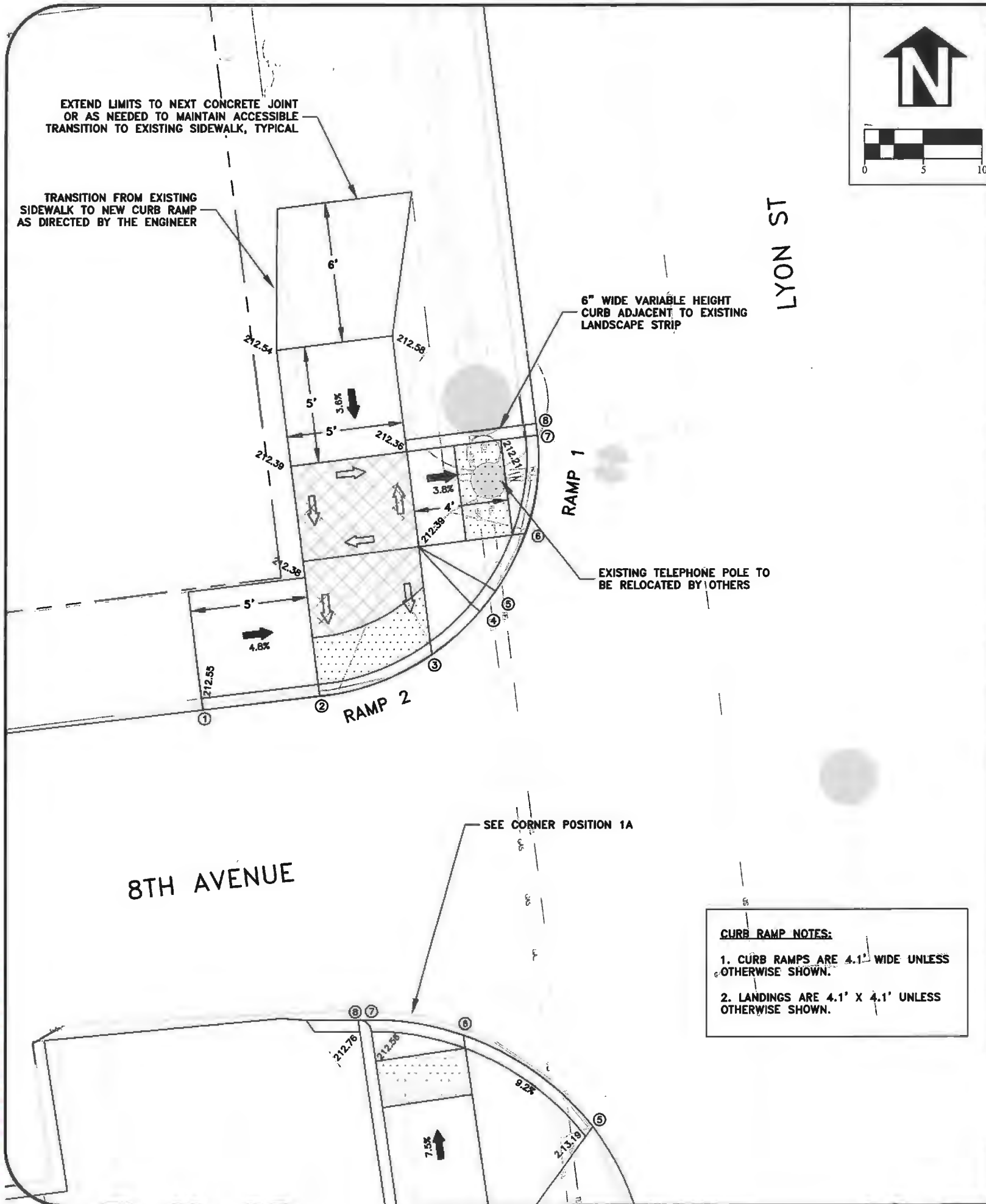
SHEET NO. 179 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION



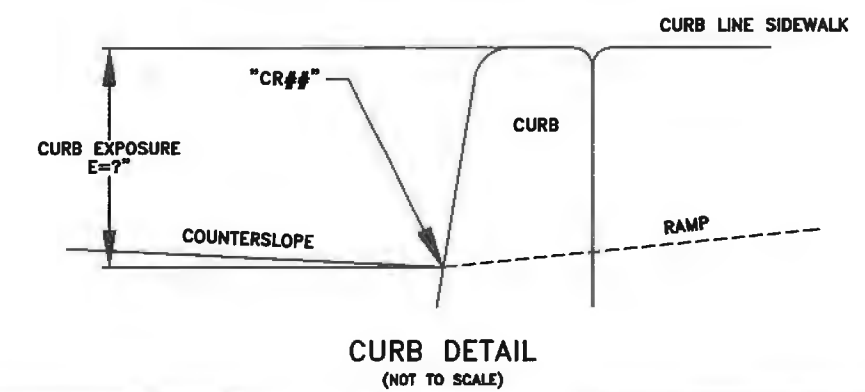
CURB RAMP NOTES:

1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E3+97.09 L36.60	212.28
2	E3+97.06 L31.60	212.31
3	E3+98.22 L26.60	212.32
4	E3+99.80 L24.32	212.29
5	E4+00.59 L23.55	212.27
6	E4+02.89 L22.01	212.24
7	E4+06.99 L20.99	212.19
8	E4+07.49 L20.99	212.18

DESIGN EXCEPTION CONTROL:

LRM: 03100D00

MP: 10.96

CORNER POSITION: 1

RAMP NUMBER: 1 & 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	NO: REV 1
	DATE: 4/25/2017
	NO: REV 2
	DATE: 9/20/2017
	BY: C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
8TH AND LYON CURB RAMP DETAIL - CORNER 1

REGISTERED PROFESSIONAL ENGINEER
 56,471PE
Christopher L. Cerkowski
 OREGON
 JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 180 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

CURB RAMP NOTES:

1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

8TH AVENUE

REMOVE AND REPLACE CURB TO TOP OF EXISTING WING

RAMP 1

6" WIDE VARIABLE HEIGHT CURB

G7+00

EXISTING FIRE HYDRANT AND VALVE BOX TO BE REMOVED

RAMP 2

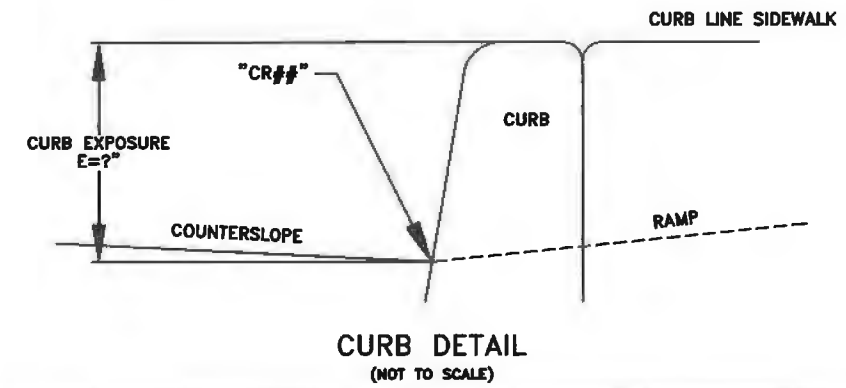
LYON ST.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E3+54.84 L31.10	212.53
2	E3+54.93 L30.60	212.53
3	E3+56.28 L26.53	212.54
4	E3+62.69 L21.61	212.70
5	E3+77.35 L22.29	212.65
6	E3+81.90 L27.27	212.57
7	E3+83.04 L31.18	212.54
8	E3+83.10 L31.68	212.54

DESIGN EXCEPTION CONTROL:

LRM: 03100D00

MP: 10.96

CORNER POSITION: 1A

RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI
 DRAWN: C. CERKLEWSKI
 CHECKED: G. GRAHAM
 DATE: 4/11/2017

REVISIONS	
NO.	BY:
REV 1	L. SCHUMACHER
REV 2	C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 8TH AND LYON CURB RAMP DETAIL - CORNER 1A**



EXPIRATION DATE: 12/31/2017

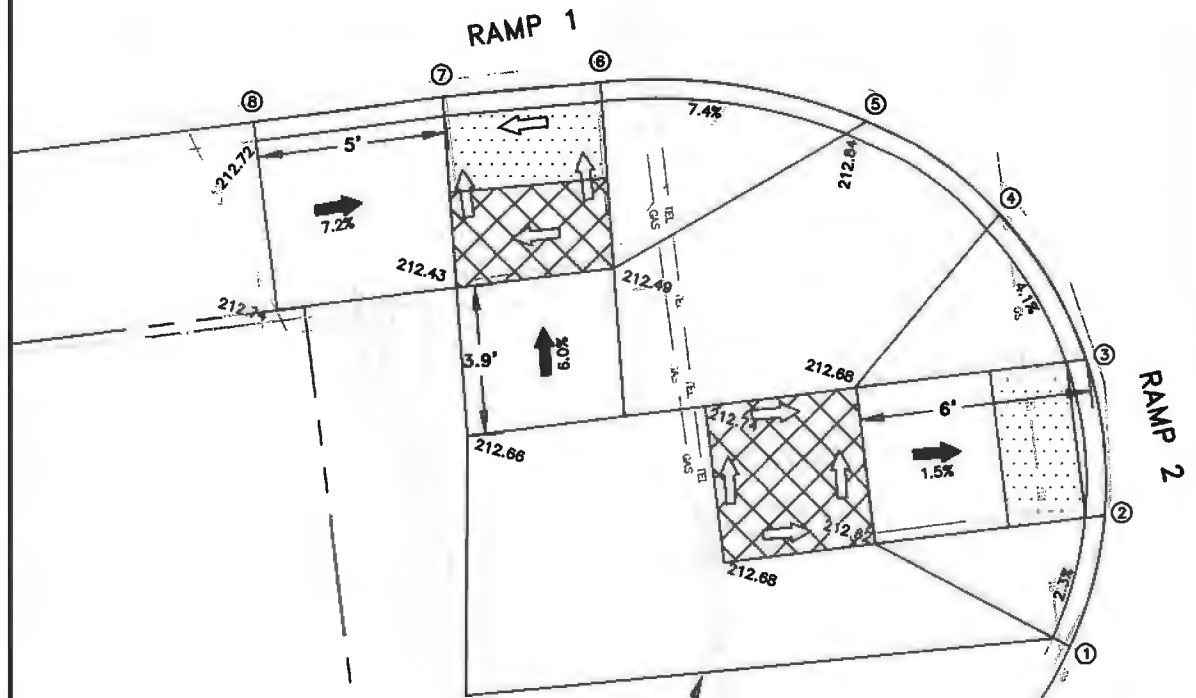
SHEET NO. 181 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

8TH AVENUE



EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

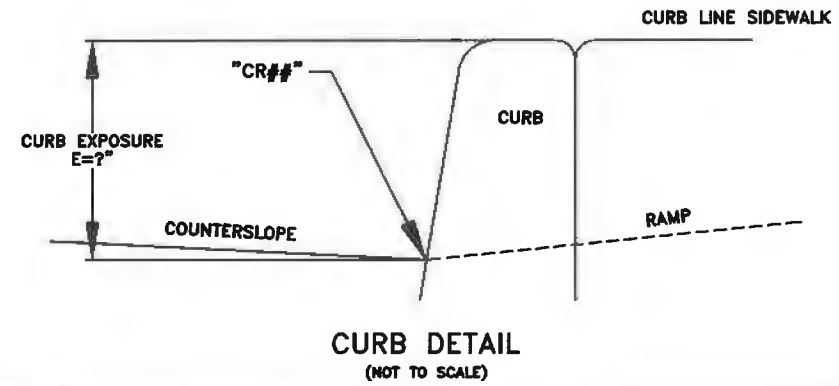
CURB RAMP NOTES:

1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



CURB DETAIL
(NOT TO SCALE)

LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E3+25.03 L14.27	212.84
2	E3+28.32 L12.96	212.76
3	E3+32.42 L12.93	212.77
4	E3+36.47 L14.68	212.96
5	E3+39.29 L17.85	212.36
6	E3+41.16 L24.62	212.32
7	E3+41.28 L28.72	212.36
8	E3+41.25 L33.72	212.45

DESIGN EXCEPTION CONTROL:

LRM: 03100D00

MP: 10.96

CORNER POSITION: 2

RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO: BY:
CHECKED: G. GRAHAM	4/25/2017 L. SCHUMACHER
DATE: 4/11/2017	9/20/2017 REV 2 C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
8TH AND LYON CURB RAMP DETAIL - CORNER 2**



EXPIRATION DATE: 12/31/2017

SHEET NO. 182 OF 192

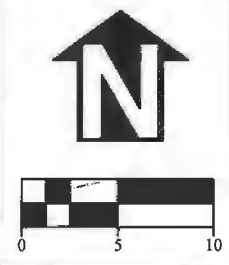
PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

LYON ST

8TH AVENUE



MATCH EXISTING CURB. REMOVE AND REPLACE CURB AND SIDEWALK AT EXISTING RAMP, TYPICAL

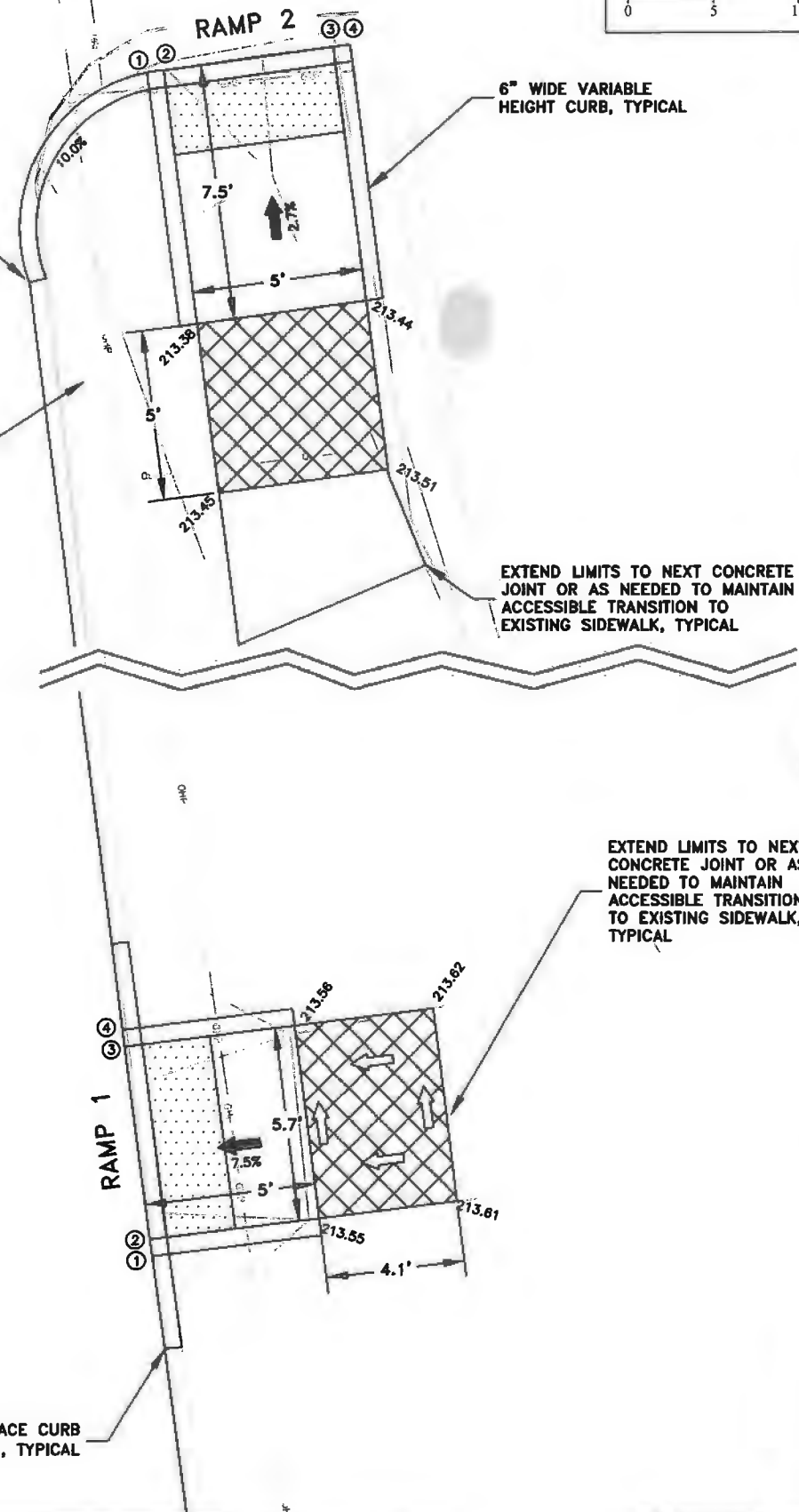
EXISTING LANDSCAPE STRIP

6" WIDE VARIABLE HEIGHT CURB, TYPICAL

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

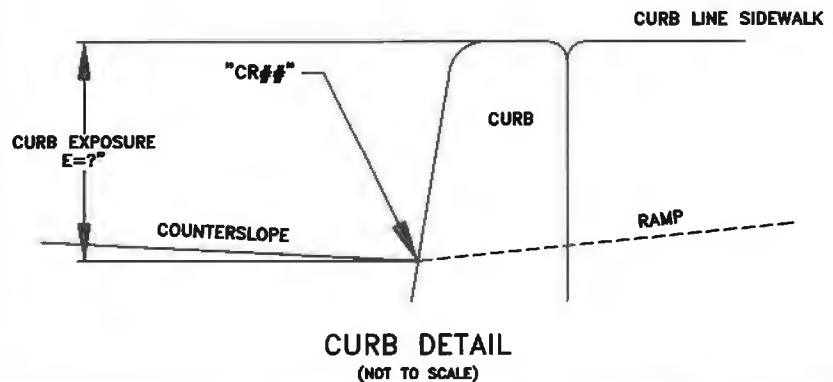
EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

REMOVE EXISTING CURB RAMP AND WINGS. REMOVE AND REPLACE CURB ACROSS WIDTH OF EXISTING CURB DROP. MATCH EXISTING CURB (N,S), TYPICAL



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

- CONSTRUCTION NOTES:
- SLOPES HOLD OVER ELEVATIONS.
 - MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 - SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E3+27.75 R21.33	213.17
2	E3+28.25 E21.33	213.18
3	E3+33.96 R21.32	213.19
4	E3+34.46 R21.32	213.19
5	E3+81.92 R25.41	212.87
6	E3+81.94 R25.91	212.87
7	E3+82.00 R30.91	212.93
8	E3+82.01 R31.41	212.93

DESIGN EXCEPTION CONTROL:
 LRM: 03100D00
 MP: 10.96
 CORNER POSITION: 3
 RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 8TH AND LYON CURB RAMP DETAIL - CORNER 3



EXPIRATION DATE: 12/31/2017
 SHEET NO. 183 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG

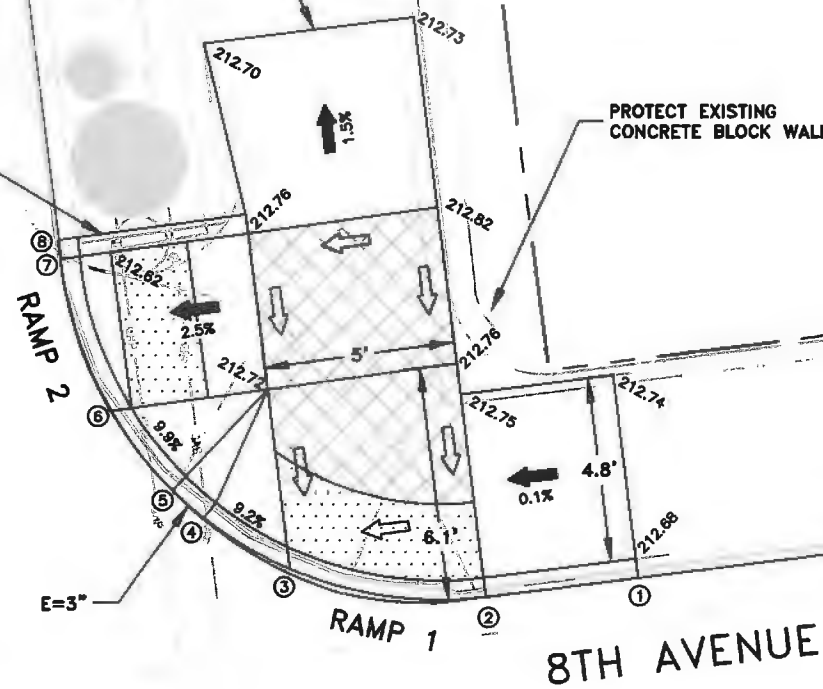
**APPROVED FOR
CONSTRUCTION**

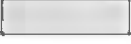





LYON ST

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

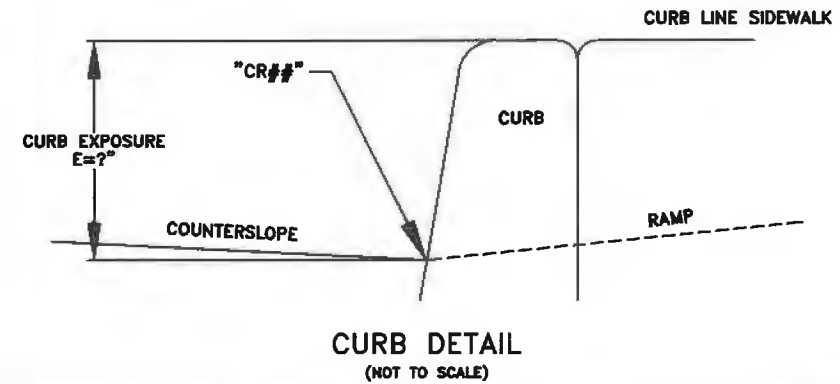
6" WIDE VARIABLE HEIGHT CURB, TYPICAL

SEE CORNER POSITION 3



-  MARKED OR INTENDED CROSSING LOCATION
-  SIDEWALK
-  TURNING SPACE
-  TRUNCATED DOME DETECTABLE WARNING SURFACE
-  SURFACE 1.5% MAX
-  SLOPE 7.5% MAX

- CONSTRUCTION NOTES:
- SLOPES HOLD OVER ELEVATIONS.
 - MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 - SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E3+97.06 R35.05	212.39
2	E3+97.06 R31.05	212.67
3	E3+98.43 R26.05	212.65
4	E4+00.03 R24.00	212.64
5	E4+00.85 R23.28	212.64
6	E4+03.08 R21.95	212.63
7	E4+07.17 R21.15	212.61
8	E4+07.67 R21.14	212.62

DESIGN EXCEPTION CONTROL:

LRM: 03100D00

MP: 10.96

CORNER POSITION: 4

RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI
DRAWN: C. CERKLEWSKI
CHECKED: G. GRAHAM
DATE: 4/11/2017

REVISIONS	
NO.	BY:
REV 1	L. SCHUMACHER
REV 2	C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
8TH AND LYON CURB RAMP DETAIL - CORNER 4



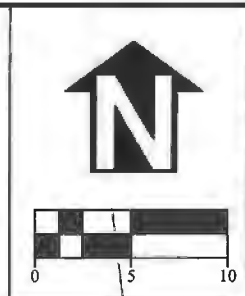
EXPIRATION DATE: 12/31/2017

SHEET NO. 184 OF 192

PROJECT NO: ST-15-03-B

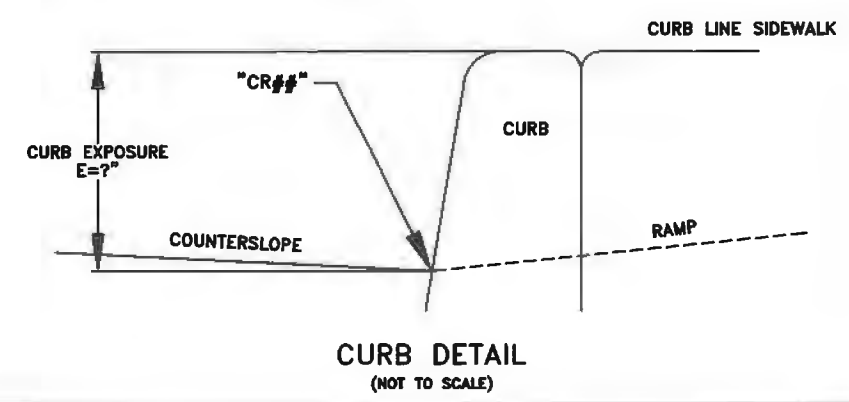
FILE: BASE.DWG

CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.

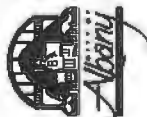


LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E0+49.08 L20.51	212.37
2	E0+54.18 L20.43	211.86
3	E0+58.28 L20.46	211.87
4	E0+62.61 L24.97	211.92
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 11.07
 CORNER POSITION: 1
 RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	DATE:
DATE: 4/11/2017	NO:
	BY:
	NO:
	DATE:
	NO:
	DATE:

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



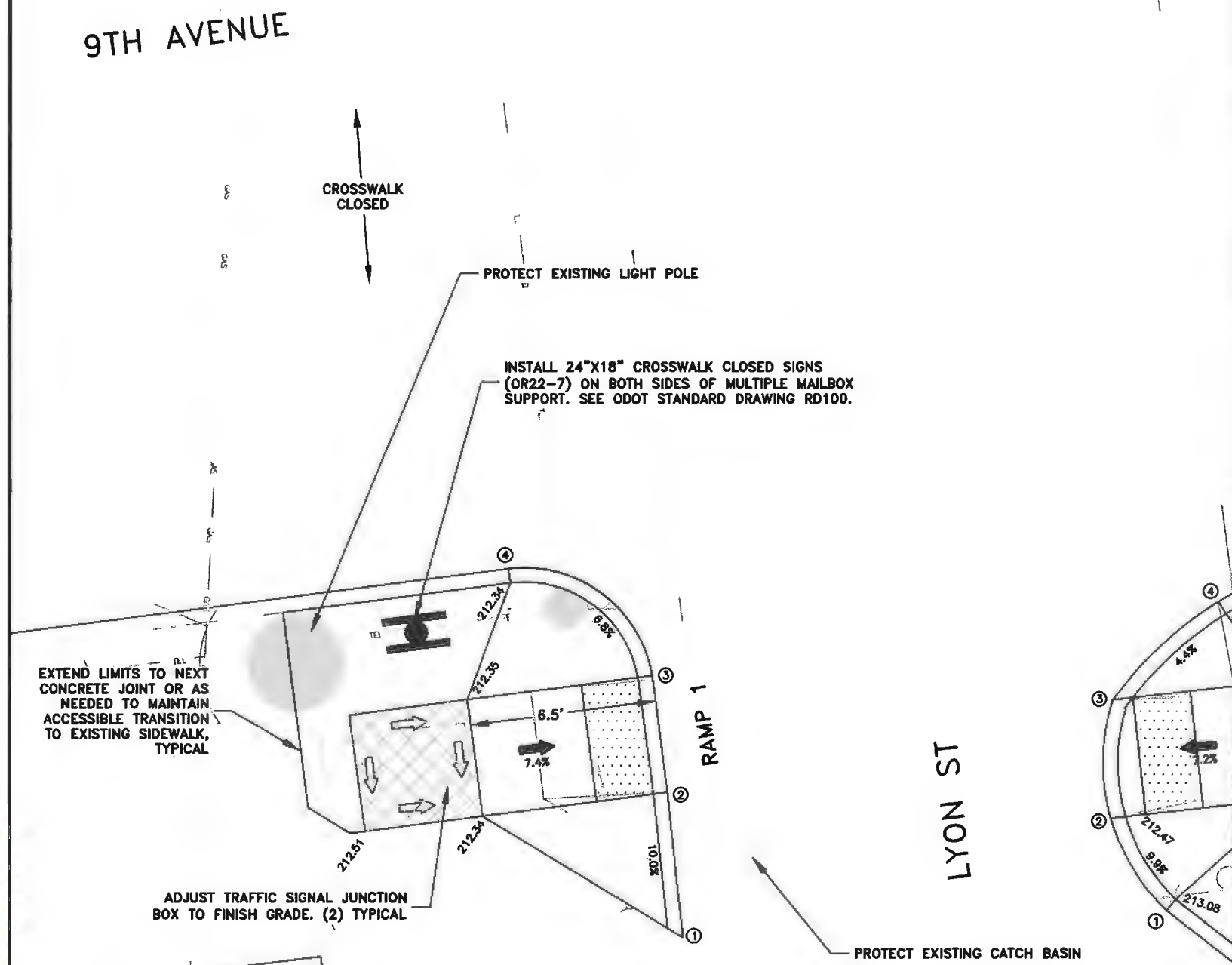
**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
9TH AND LYON CURB RAMP DETAIL - CORNER 1**

REGISTERED PROFESSIONAL
ENGINEER
56,471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017

SHEET NO. 185 OF 192
PROJECT NO: ST-15-03-B
FILE: BASE.DWG

APPROVED FOR CONSTRUCTION



APPROVED FOR CONSTRUCTION

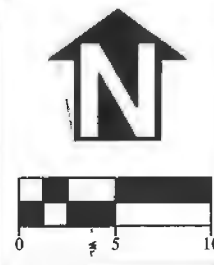
LYON ST

9TH AVENUE

CURB RAMP NOTES:

1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

CROSSWALK CLOSED



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

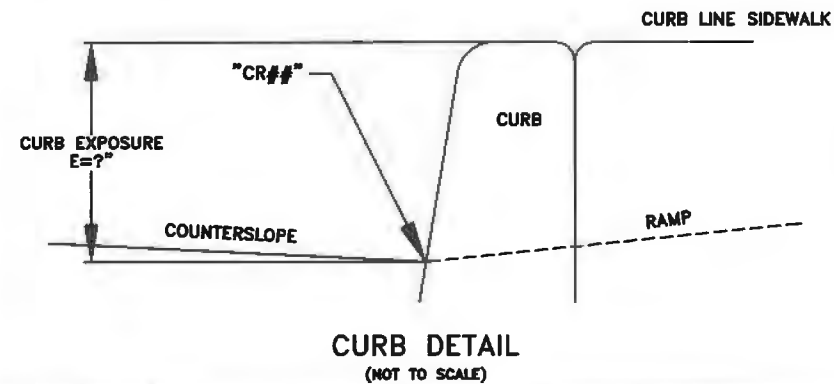
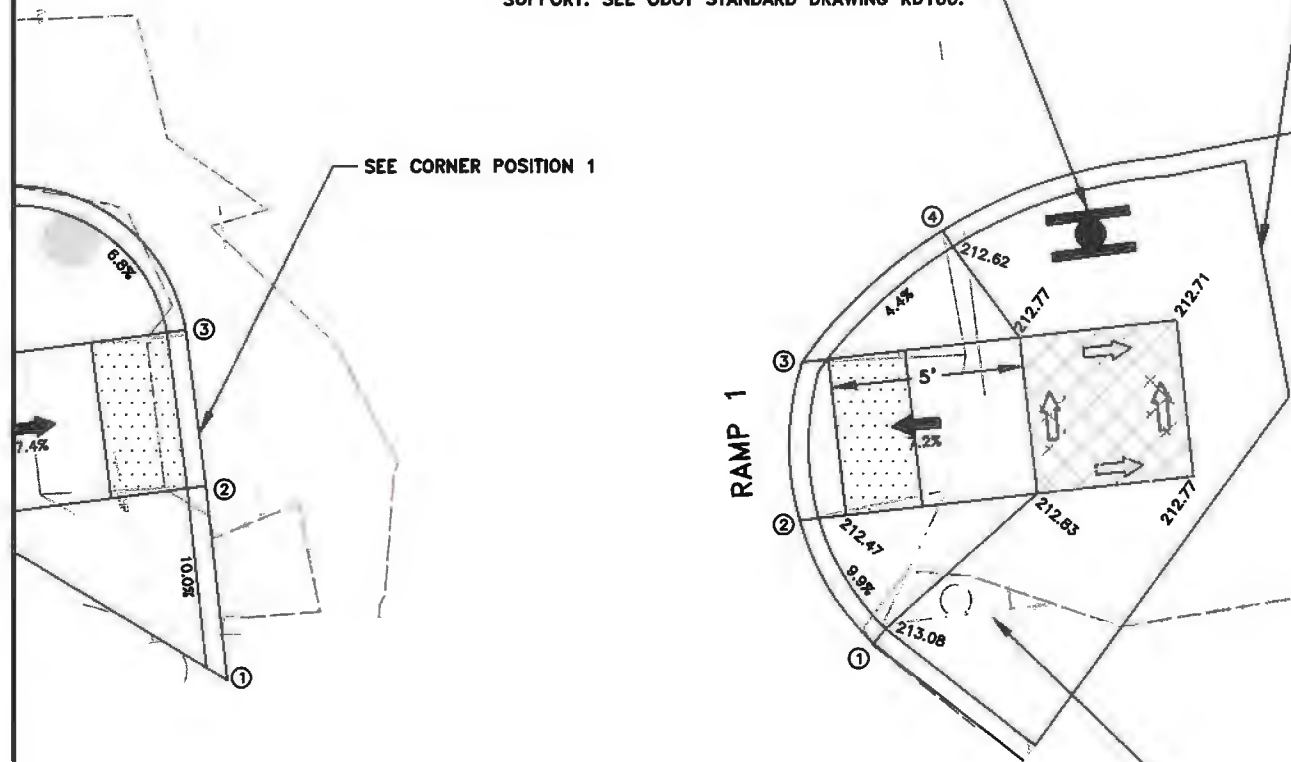
CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.

INSTALL 24"x18" CROSSWALK CLOSED SIGNS (OR22-7) ON BOTH SIDES OF MULTIPLE MAILBOX SUPPORT. SEE ODOT STANDARD DRAWING RD100.

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

SEE CORNER POSITION 1



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E0+47.91 L3.68	212.65
2	E0+51.34 L5.19	212.46
3	E0+55.44 L4.61	212.40
4	E0+58.38 L0.55	212.27
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:

LRM: 03100100

MP: 11.07

CORNER POSITION: 2

RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI
 DRAWN: C. CERKLEWSKI
 CHECKED: G. GRAHAM
 DATE: 4/11/2017

REVISIONS
 NO: BY:
 1 L. SCHUMACHER
 2 C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 9TH AND LYON CURB RAMP DETAIL - CORNER 2



EXPIRATION DATE: 12/31/2017

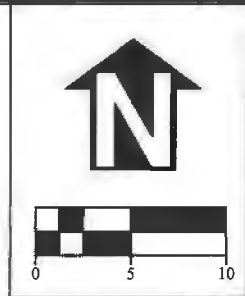
SHEET NO. 186 OF 192

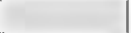





PROJECT NO: ST-15-03-B

FILE: BASE.DWG

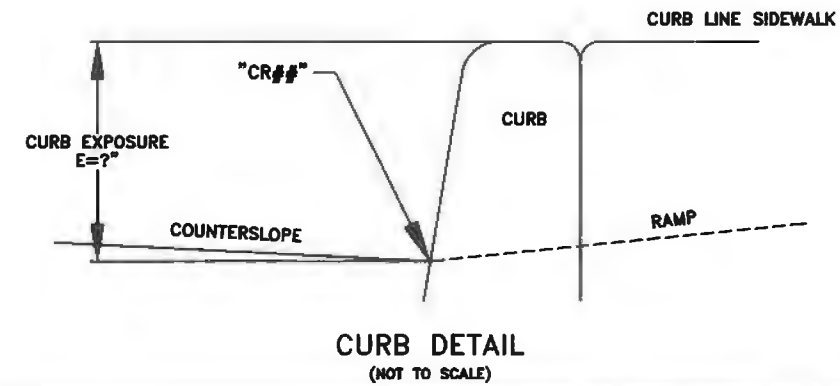
**APPROVED FOR
CONSTRUCTION**

9TH AVENUE



-  MARKED OR INTENDED CROSSING LOCATION
-  SIDEWALK
-  TURNING SPACE
-  TRUNCATED DOME DETECTABLE WARNING SURFACE
-  SURFACE 1.5% MAX
-  SLOPE 7.5% MAX

- CONSTRUCTION NOTES:**
- SLOPES HOLD OVER ELEVATIONS.
 - MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 - SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E0+51.96 R62.97	211.61
2	E0+50.14 R67.08	211.51
3	E0+48.42 R70.81	211.55
4	E0+46.72 R74.27	211.36
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:

LRM: 03100100

MP: 11.07

CORNER POSITION: 3

RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY:
DATE: 4/11/2017	NO:
	REV 1
	REV 2
	BY:
	L. SCHUMACHER
	C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
9TH AND LYON CURB RAMP DETAIL - CORNER 3

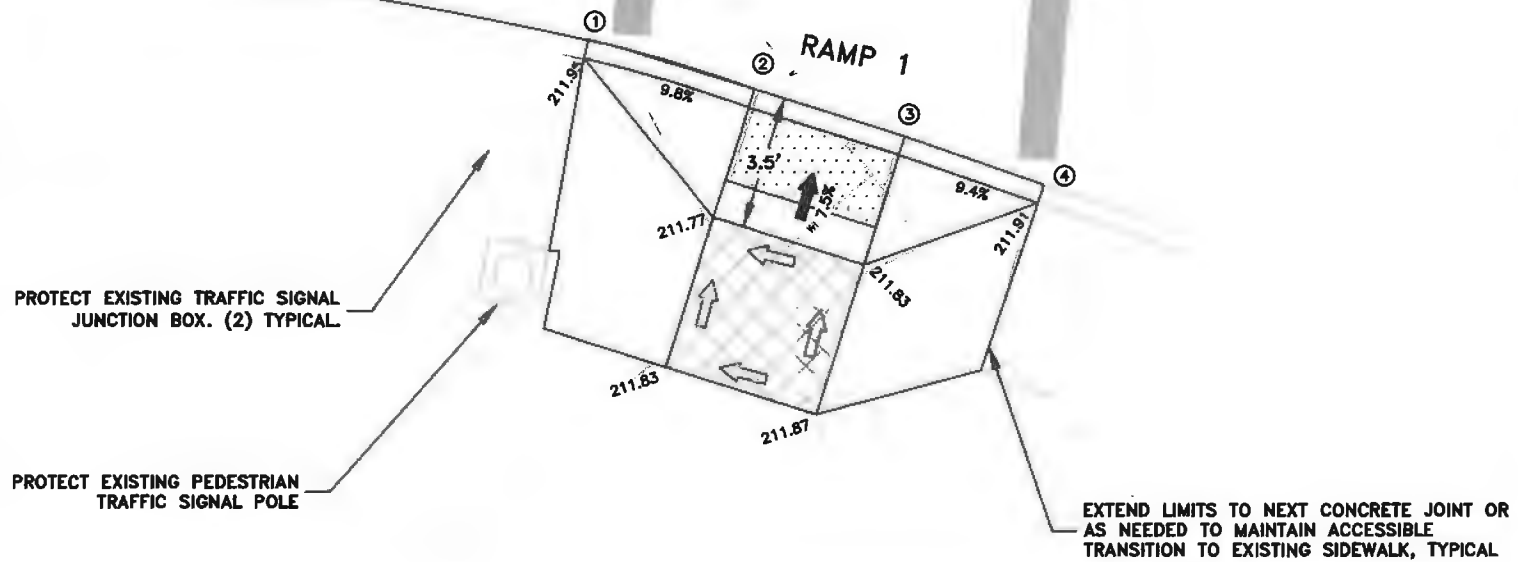


EXPIRATION DATE: 12/31/2017

SHEET NO. 187 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG



CURB RAMP NOTES:

- CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
- LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

**APPROVED FOR
CONSTRUCTION**

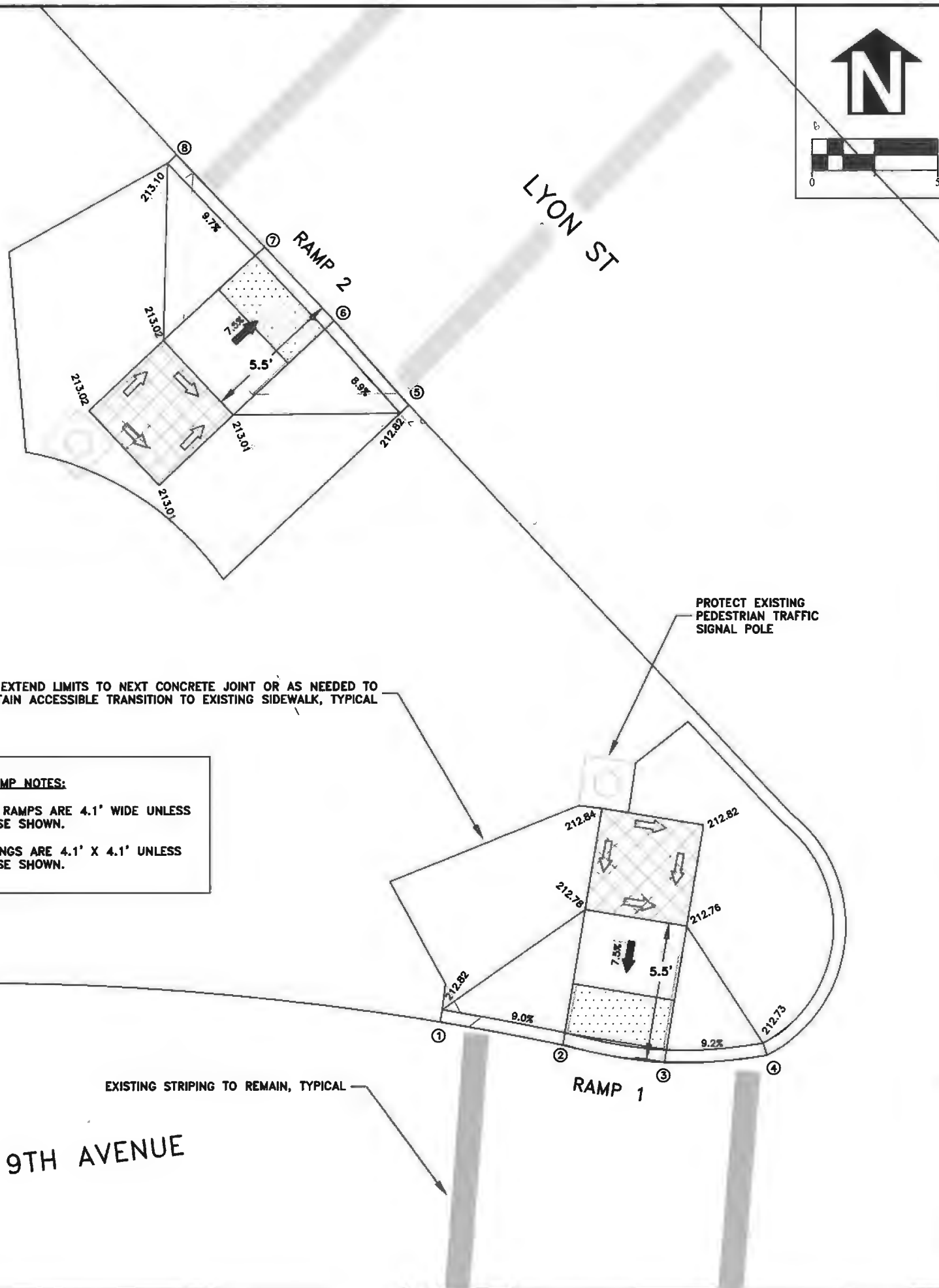
9TH AVENUE

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

CURB RAMP NOTES:

1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

EXISTING STRIPING TO REMAIN, TYPICAL

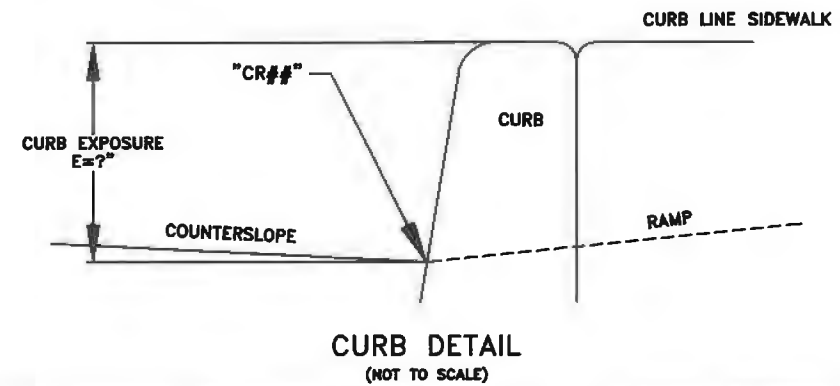


PROTECT EXISTING PEDESTRIAN TRAFFIC SIGNAL POLE

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E0+90.13 R70.39	212.45
2	E0+88.59 R75.15	212.37
3	E0+87.40 R79.08	212.35
4	E0+87.17 R83.20	212.26
5	E1+14.74 R72.25	212.55
6	E1+18.57 R69.71	212.60
7	E1+21.82 R67.34	212.61
8	E1+25.89 R64.32	212.68

DESIGN EXCEPTION CONTROL:

LRM: 03100100

MP: 11.07

CORNER POSITION: 3A

RAMP NUMBER: 1 AND 2

DESIGNED: C. CERKLEWSKI
DRAWN: C. CERKLEWSKI
CHECKED: G. GRAHAM
DATE: 4/11/2017

REVISIONS	
NO.	BY:
REV 1	L. SCHUMACHER
REV 2	C. CERKLEWSKI

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
9TH AND LYON CURB RAMP DETAIL - CORNER 3A RAMPS 1&2**



EXPIRATION DATE: 12/31/2017

SHEET NO. 188 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

APPROVED FOR CONSTRUCTION

LYON ST

EXTEND LIMITS TO NEXT CONCRETE JOINT OR AS NEEDED TO MAINTAIN ACCESSIBLE TRANSITION TO EXISTING SIDEWALK, TYPICAL

EXISTING CROSSWALK TO REMAIN

E1+00

INSTALL 24"x18" CROSSWALK CLOSED SIGNS (OR22-7) ON BOTH SIDES OF MULTIPLE MAILBOX SUPPORT. SEE ODOT STANDARD DRAWING RD100.

CROSSWALK CLOSED

9TH AVENUE

CURB RAMP NOTES:

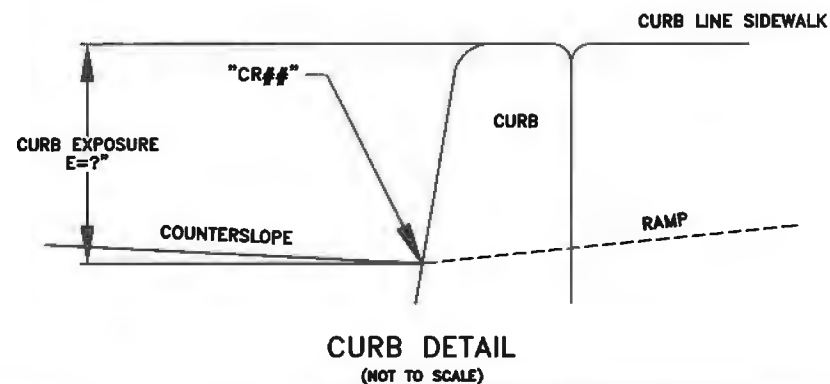
1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E1+05.25 R3.77	212.65
2	E1+08.98 R3.85	212.60
3	E1+13.08 R3.84	212.62
4	E1+16.70 R4.01	212.56
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:

LRM: 03100100

MP: 11.07

CORNER POSITION: 3A

RAMP NUMBER: 3

DESIGNED: C. CERKLEWSKI
 DRAWN: C. CERKLEWSKI
 CHECKED: G. GRAHAM
 DATE: 4/11/2017

REVISIONS	NO.	BY:
	REV 1	L. SCHUMACHER
	REV 2	C. CERKLEWSKI

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 9TH AND LYON CURB RAMP DETAIL - CORNER 3A RAMP 3



EXPIRATION DATE: 12/31/2017

SHEET NO. 189 OF 192

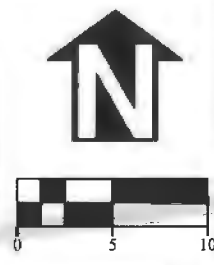
PROJECT NO: ST-15-03-B






FILE: BASE.DWG

LYON ST

CURB RAMP NOTES:

1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.



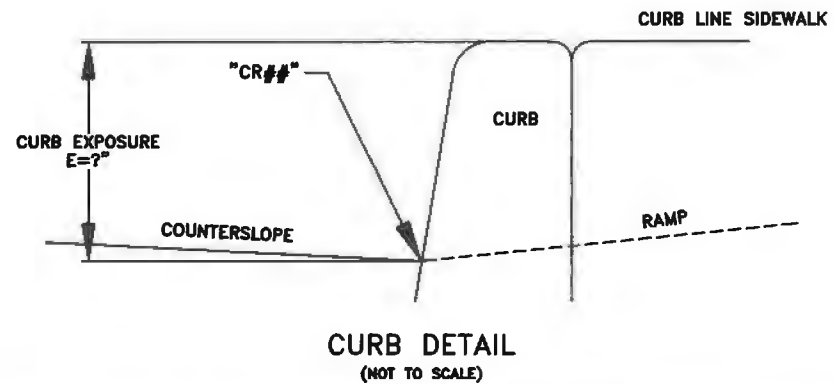
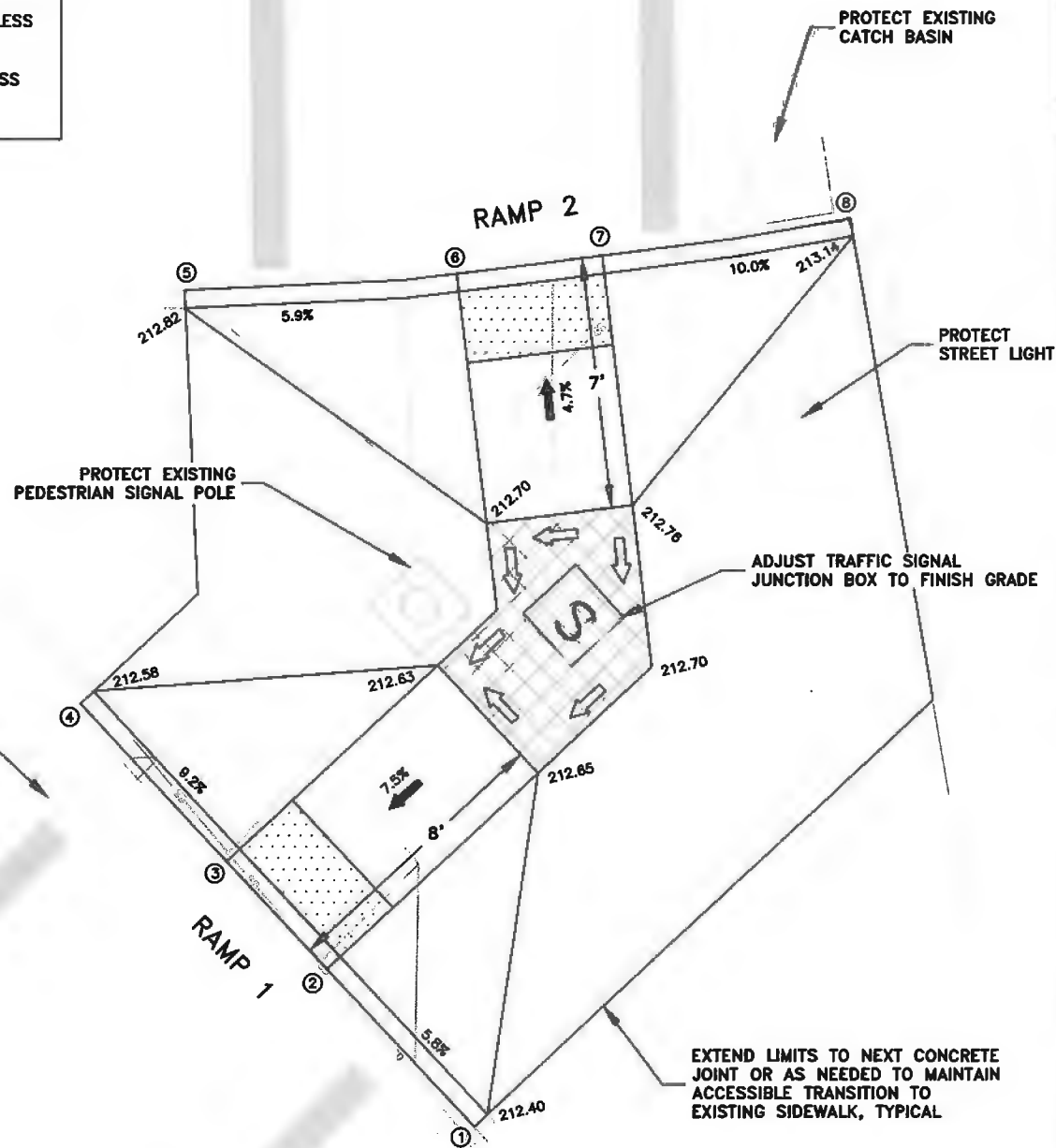
-  SIDEWALK
-  TURNING SPACE
-  TRUNCATED DOME DETECTABLE WARNING SURFACE
-  SURFACE 1.5% MAX
-  SLOPE 7.5% MAX

CONSTRUCTION NOTES:

1. SLOPES HOLD OVER ELEVATIONS.
2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.

DESIGNED: C. CERKLEWSKI
 DRAWN: C. CERKLEWSKI
 CHECKED: G. GRAHAM
 DATE: 4/11/2017

REVISIONS	
NO.	BY:
REV 1	L. SCHUMACHER
REV 2	C. CERKLEWSKI



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E1+25.31 R89.30	212.06
2	E1+30.17 R85.78	212.05
3	E1+33.49 R83.38	212.03
4	E1+38.36 R79.86	212.10
5	E1+49.43 R84.16	212.35
6	E1+48.94 R91.71	212.37
7	E1+48.94 R95.81	212.44
8	E1+49.12 R102.77	212.56

DESIGN EXCEPTION CONTROL:

LRM: 03100100

MP: 11.07

CORNER POSITION: 4

RAMP NUMBER: 1 AND 2

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
 9TH AND LYON CURB RAMP DETAIL - CORNER 4



EXPIRATION DATE: 12/31/2017

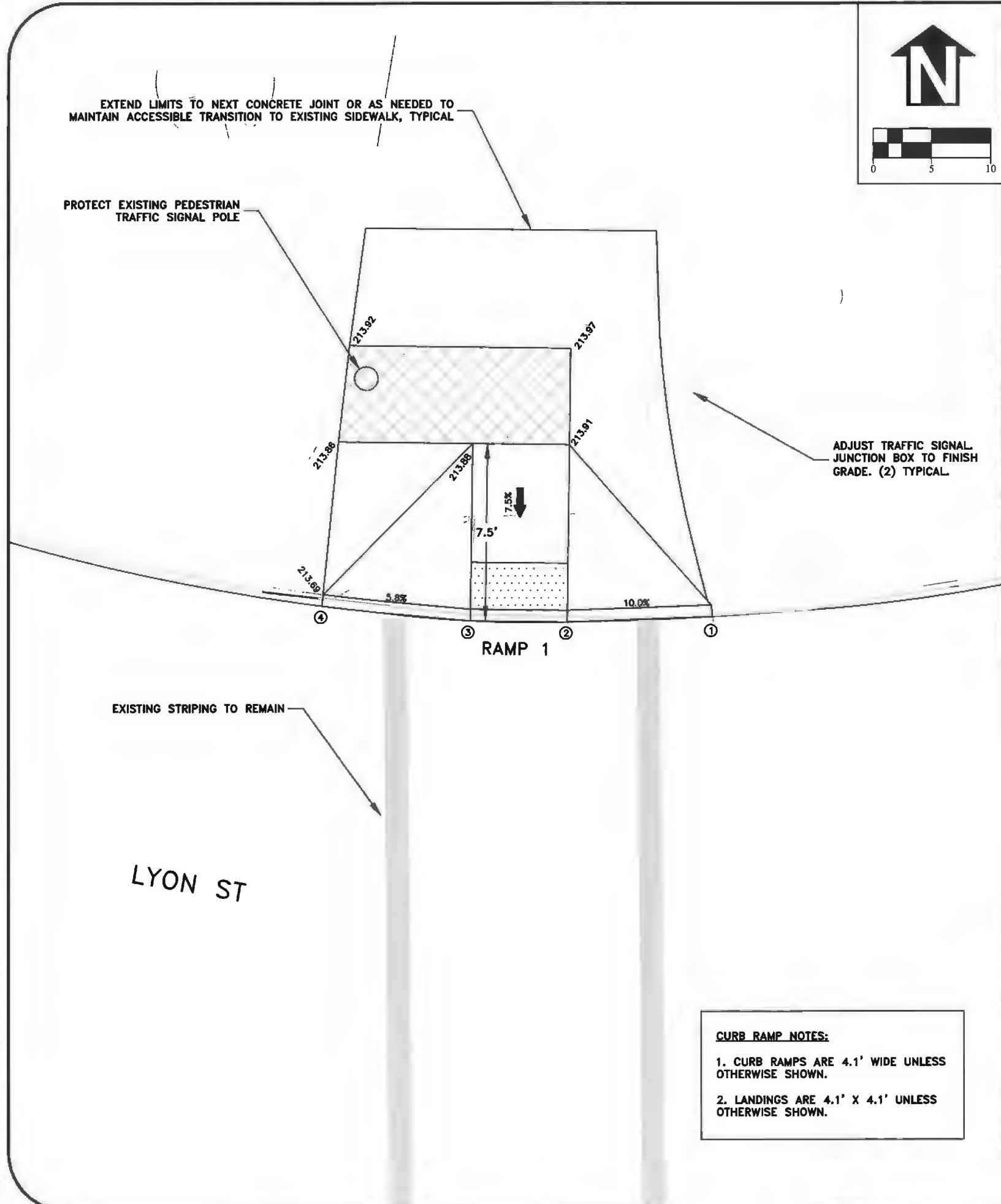
SHEET NO. 190 OF 192

PROJECT NO: ST-15-03-B

FILE: BASE.DWG

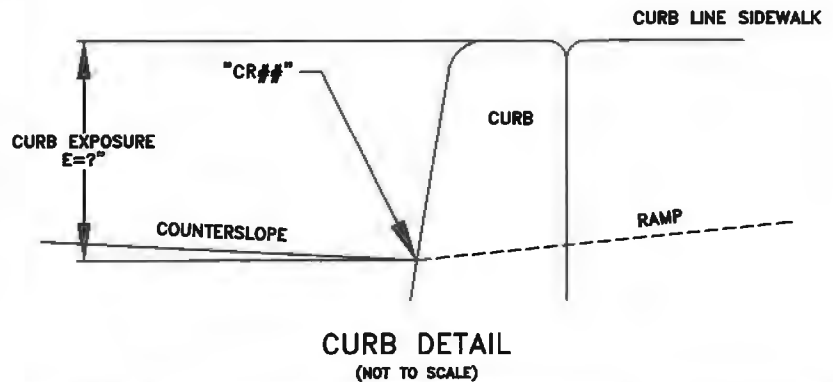
APPROVED FOR
 CONSTRUCTION

APPROVED FOR CONSTRUCTION



- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.




LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E1+88.70 R104.63	213.94
2	E1+89.24 R98.47	213.35
3	E1+89.89 R94.41	213.32
4	E1+91.20 R88.23	213.69
5		
6		
7		
8		

CURB RAMP NOTES:
 1. CURB RAMPS ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.


DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 11.07
 CORNER POSITION: 5
 RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2
	REV 3
	REV 4
	REV 5

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



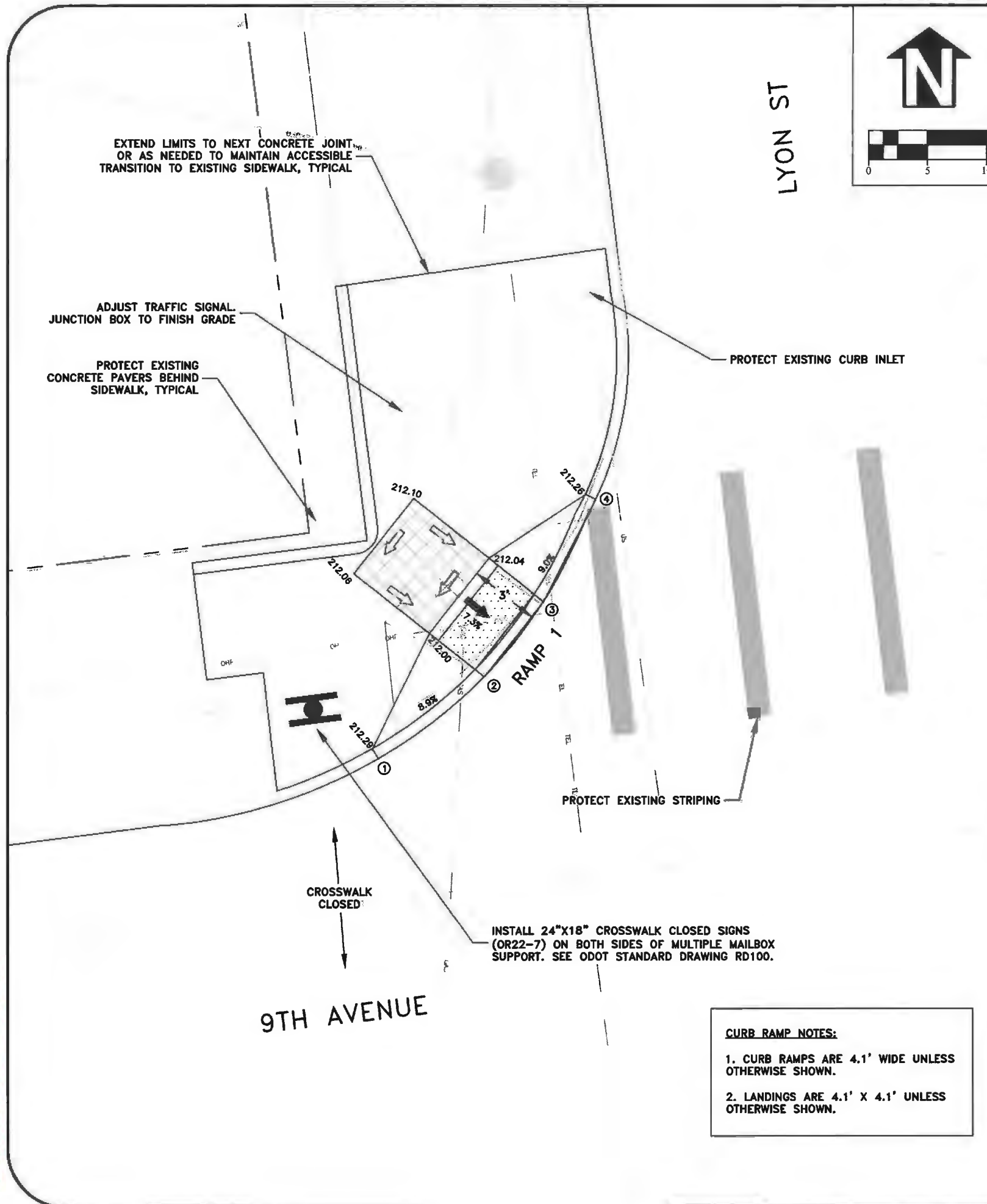
**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
9TH AND LYON CURB RAMP DETAIL - CORNER 5**



EXPIRATION DATE: 12/31/2017

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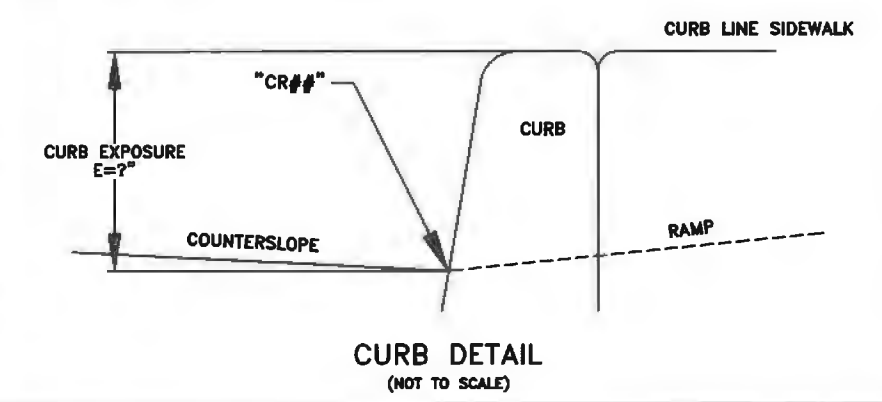
**APPROVED FOR
CONSTRUCTION**



CURB RAMP NOTES:
 1. CURB RAMP ARE 4.1' WIDE UNLESS OTHERWISE SHOWN.
 2. LANDINGS ARE 4.1' X 4.1' UNLESS OTHERWISE SHOWN.

- MARKED OR INTENDED CROSSING LOCATION
- SIDEWALK
- TURNING SPACE
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SURFACE 1.5% MAX
- SLOPE 7.5% MAX

CONSTRUCTION NOTES:
 1. SLOPES HOLD OVER ELEVATIONS.
 2. MAXIMUM CROSS SLOPE CHANGE ON RAMP IS 0.5% PER FOOT.
 3. SEE STANDARD DRAWINGS FOR DETAILS NOT SHOWN.



LOCATION	"CR##" STATION	GUTTER ELEVATION
1	E1+06.06 L31.26	211.84
2	E1+08.97 L26.36	211.78
3	E1+11.84 L23.44	211.82
4	E1+15.90 L20.69	211.87
5		
6		
7		
8		

DESIGN EXCEPTION CONTROL:
 LRM: 03100100
 MP: 11.07
 CORNER POSITION: 6
 RAMP NUMBER: 1

DESIGNED: C. CERKLEWSKI	REVISIONS
DRAWN: C. CERKLEWSKI	NO:
CHECKED: G. GRAHAM	BY: L. SCHUMACHER
DATE: 4/11/2017	REV 1
	REV 2

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**

**ST-15-03-B, CARA STREET IMPROVEMENTS PHASE 2
9TH AND LYON CURB RAMP DETAIL - CORNER 6**

REGISTERED PROFESSIONAL
ENGINEER
56,471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2017
 SHEET NO. 192 OF 192
 PROJECT NO: ST-15-03-B
 FILE: BASE.DWG