

Falcon Heights City Council Workshop

**City Hall
2077 W Larpenteur Ave.
6:30 p.m.**

AGENDA January 6, 2010

1. Larpenteur Avenue Streetscape Update
2. Tobacco Violation Ordinance Amendment Discussion

If you have a disability and need accommodation in order to attend this meeting, please notify City Hall 48 hours in advance between the hours of 8:00 a.m. and 4:30 p.m. at 651-792-7600. We will be happy to help.

WKSP 1
1/6/10

TO: Mayor Lindstrom, Council members Gosline, Harris, Long, and Mercer-Taylor

FROM: Justin Miller, City Administrator

Re: Larpenteur Avenue Streetscape Update

Explanation:

For the past two years, the city council, Larpenteur Streetscape Advisory Committee, staff and consultants have been working on plans to beautify and enhance the Larpenteur Avenue corridor. SRF Consulting, the group that has been hired to develop the plans, has been working on different options since our last meeting and is prepared to share revised plans to the council at this time.

The most recent plan revisions are attached to this report, as well as an updated estimated budget. Staff and SRF consultants will be available during Wednesday's workshop to better detail the newest plans and to provide updates on the comments received from Ramsey County and the University of Minnesota.

The current timeline for the project is:

December 2009/January 2010	Plan revision
Winter/Spring 2010	Plans and Specification
Development/Bidding	
Spring 2010	Award bid
Summer/Fall 2010	Construction

Larpenteur Avenue
Preliminary Streetscape Cost Estimate (2009 dollars)

ITEM DESCRIPTION	UNIT	UNIT PRICE	EST. QUANTITY	2010 CONSTRUCTION PHASE I ESTIMATE	ELIGIBLE FOR TIF FUNDS
SECTION 1 - REMOVALS					
Mobilization	EA	\$27,868.96	1	\$27,868.96	YES
Traffic Control	EA	\$5,000.00	1	\$5,000.00	YES
Clear and Grub Shrubs	LS	\$5,000.00	1	\$5,000.00	YES
Sawing Concrete Pavement	LF	\$2.00	2729	\$5,458.00	YES
Remove Concrete Pavement (medians)	SF	\$2.00	30879	\$61,758.00	YES
Remove Concrete Pavement (intersections/bus stops)	SF	\$3.00	13706	\$41,118.00	YES
Subtotal Removals				\$143,334.00	
SECTION 2 - LANDSCAPING					
Streetscape Tree	TREE	\$325.00	94	\$30,550.00	YES
Ornamental Tree	TREE	\$200.00	16	\$3,200.00	YES
Median Shrubs	SHRUB	\$50.00	696	\$34,800.00	YES
Median Perennials (native grass or wildflower)	PLT	\$12.00	1477	\$17,724.00	PARTIAL (1)
Boulevard Perennials (native grass or wildflower)	PLT	\$12.00	3340	\$40,080.00	PARTIAL (1)
Sod Type Salt Resistant	SY	\$3.00	500	\$1,500.00	YES
Connect to Water Main	EA	\$5,000.00	2	\$10,000.00	YES
Landscape Edger	LF	\$5.00	336	\$1,680.00	YES
Irrigation (Planted Medians Only)	LS	\$50,000.00	1	\$50,000.00	YES
Select Topsoil Borrow (18" depth- median and boulevard areas)	CY	\$38.00	1335	\$50,730.00	YES
Shredded Bark Mulch (6" depth- median and boulevard areas)	CY	\$25.00	500	\$12,500.00	YES
Subtotal Landscaping				\$252,764.00	
SECTION 3 - GATEWAY SIGNAGE/MONUMENTS					
Existing Gateway Signage Renovation	EA	\$5,000.00	5	\$25,000.00	NO
Stone Columns at signage	EA	\$2,500.00	10	\$25,000.00	NO
Subtotal Gateway Signage/Monuments				\$50,000.00	
SECTION 4 - PAVEMENT					
Standard Concrete (median)	SF	\$6.00	12259	\$73,554.00	YES
Colored Concrete (intersections/bus stops)	SF	\$12.00	13706	\$164,472.00	PARTIAL (2)
Subtotal Pavement				\$238,026.00	
SECTION 5 - SITE AMENITIES					
Bench (6)	EA	\$1,600.00	16	\$25,600.00	NO
Waste Receptacle	EA	\$1,275.00	0	\$0.00	NO
Hanging Baskets	EA	\$250.00	20	\$5,000.00	NO
Subtotal Site Amenities				\$30,600.00	
SECTION 7 - TRAFFIC CONTROL					
Countdown Timers at Signalized Intersections	EA	\$750.00	16	\$12,000.00	YES
Subtotal Signal System				\$12,000.00	
TOTAL CONSTRUCTION ESTIMATE				\$696,724.00	

(1) "Decorative" plantings are ineligible for TIF funding
 (2) TIF funding will pay up to 2X the cost of standard concrete

CITY OF FALCON HEIGHTS

RAMSEY COUNTY, MINNESOTA

PLANS FOR:

LARPENTEUR AVENUE STREETScape

CITY PROJECT NO.

GOVERNING SPECIFICATIONS

THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION", SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE INSTALLED IN ACCORDANCE TO THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD) AND PART VI, "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS".

CITY OF FALCON HEIGHTS STANDARD SPECIFICATION FOR UTILITY AND STREET CONSTRUCTION ----

PLAN SYMBOLS

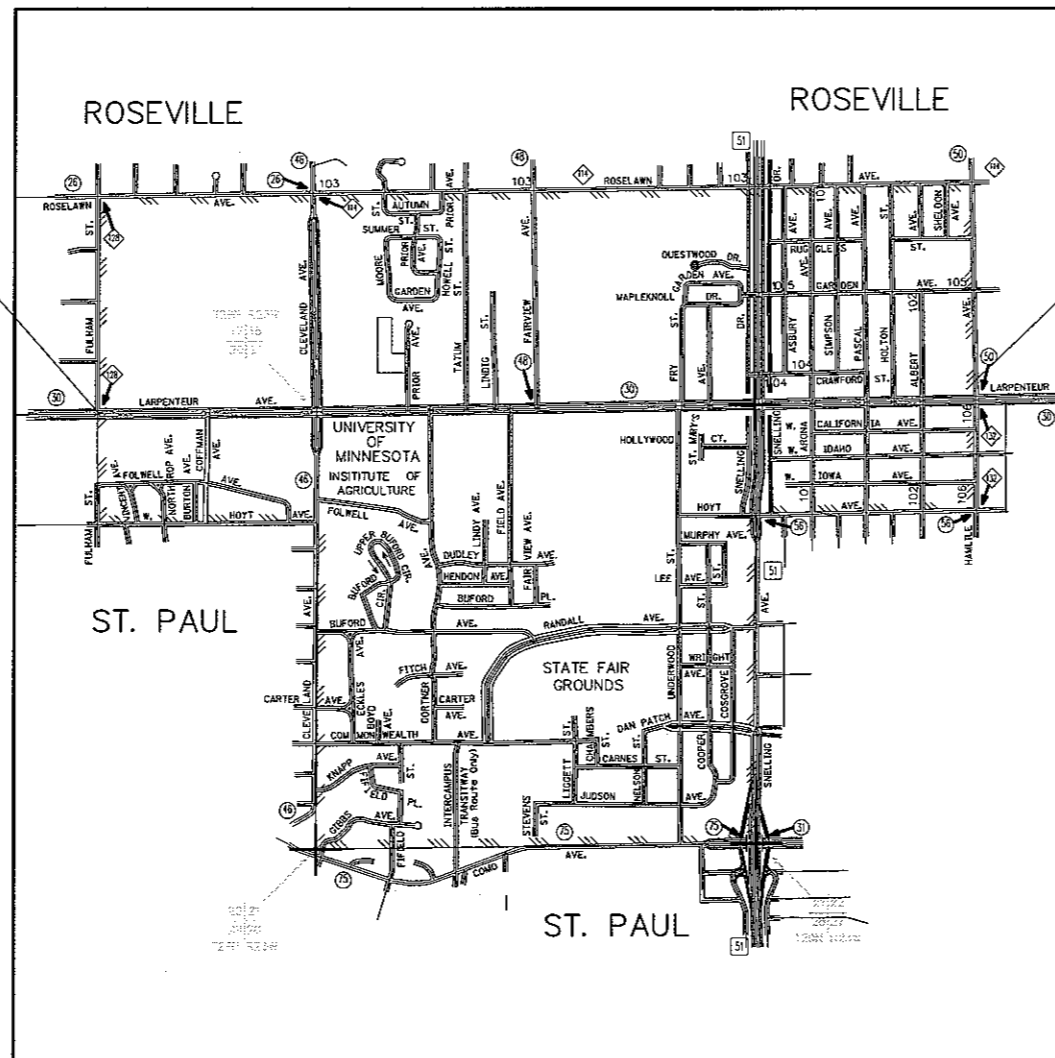
- STATE LINE
- COUNTY LINE
- TOWNSHIP OR RANGE LINE
- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- RIGHT-OF-WAY LINE
- PRESENT RIGHT-OF-WAY LINE
- CONTROL OF ACCESS LINE
- PROPERTY LINE (Except Land Lines)
- VACATED PLATTED PROPERTY
- CORPORATE OR CITY LIMITS
- TRUNK HIGHWAY CENTER LINE
- CONC. RETAINING WALL
- RAILROAD
- RAILROAD RIGHT-OF-WAY LINE
- RIVER OR CREEK
- DRY RUN
- DRAINAGE DITCH
- DRAIN TILE
- CULVERT
- DROP INLET
- GUARD RAIL
- BARBED WIRE FENCE
- WOVEN WIRE FENCE
- CHAIN LINK FENCE
- RAILROAD SNOW FENCE
- STONE WALL OR FENCE
- HEDGE
- RAILROAD CROSSING SIGN
- RAILROAD CROSSING BELL
- ELECTRIC WARNING SIGN
- CROSSING GATE
- MEANDER CORNER
- MAIL BOX
- SPRINGS
- MARSH
- TIMBER
- ORCHARD
- BRUSH
- NURSERY
- CATCH BASIN
- FIRE HYDRANT
- CATTLE GUARD
- OVERPASS (Highway Over)
- UNDERPASS (Highway Under)
- BRIDGE
- BUILDING (One Story Frame)
- F-FRAME C-CONCRETE
- S-STONE T-TILE
- B-BRICK ST-STUCCO
- IRON PIPE OR ROD
- MONUMENT (STONE, CONCRETE, OR METAL)
- WOODEN HUB
- GRAVEL PIT
- SAND PIT
- BORROW PIT
- ROCK QUARRY

UTILITY SYMBOLS

- POWER POLE LINE
- TELEPHONE OR TELEGRAPH POLE LINE
- JOINT TELEPHONE AND POWER ON POWER POLES
- ON TELEPHONE POLES
- ANCHOR
- STEEL TOWER
- STREET LIGHT
- PEDESTAL (TELEPHONE CABLE TERMINAL)
- GAS MAIN
- WATER MAIN
- CONDUIT
- TELEPHONE CABLE IN CONDUIT
- ELECTRIC CABLE IN CONDUIT
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- BURNED TELEPHONE CABLE
- BURNED ELECTRIC CABLE
- AERIAL TELEPHONE CABLE
- SEWER, (SANITARY)
- SEWER, (STORM)
- SEWER MANHOLE
- HANDHOLE

BEGIN
FULHAM STREET

END
HAMLINE AVENUE



INDEX

SHEET NO.	SHEET DESCRIPTION
1	TITLE SHEET
2-3	GENERAL LAYOUT
4-11	STREETSCAPE PLAN
12-19	LANDSCAPE PLAN
20-23	ENLARGEMENT PLANS
24-31	REMOVAL PLAN
32-34	SITE DETAILS
35-39	PLANTING INSTALLATION DETAILS
40	TRAFFIC CONTROL DETAILS

THIS PLAN CONTAINS 40 SHEETS

SRE CONSULTING GROUP, INC.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE _____
DATE XX/XX/XX LIC. NO. XXXXXX PRINT NAME XXX

RECOMMENDED FOR APPROVAL CITY ENGINEER, CITY OF (CITY) 20

RECOMMENDED FOR APPROVAL (COUNTY) COUNTY ENGINEER 20

SCALES

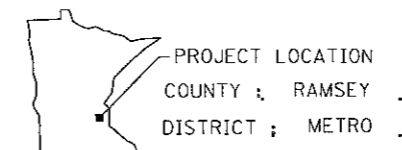
INDEX MAP	1:2000
GENERAL LAYOUT	1:200
PLAN	1:50
PROFILE	NA HORIZ. NA VERT.
X-SECTION	NA HORIZ. NA VERT.

DESIGN DESIGNATION FOR:

R-VALUE	ROAD 1
ADT (Current Year) 20XX =	XX,XXX
ADT (Future Year) 20XX =	X,XXX (YEAR)
PAVEMENT DESIGN	XX TON
FUNCTIONAL CLASSIFICATION	X
NO. OF TRAFFIC LANES	X
NO. OF PARKING LANES	X
ESALS (20)	XXX,XXX (X YRS.)
Design Speed	XX MPH
Based on Sight Distance	STOPPING
Height of eye / Height of Object	3.5' / 0.5'
Design Speed not achieved at:	XXX+XX TO XXX+XX (XX MPH)

PLAN REVISIONS

DATE	SHEET NO.	APPROVED BY

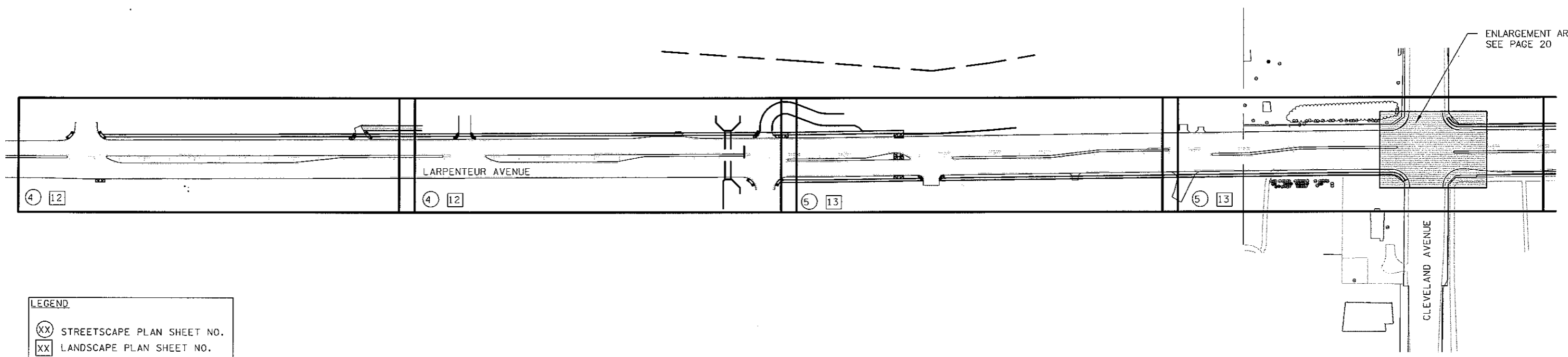


THIS PLAN AND/OR SPECIFICATION WAS PREPARED SPECIFICALLY FOR THIS PROJECT, AND ANY RE-USE OF DETAILS OR SPECIFICATIONS ON OTHER PROJECTS IS NOT INTENDED OR AUTHORIZED BY THE DESIGNER. LIABILITY FOR ANY RE-USE ON OTHER PROJECTS IS THE RESPONSIBILITY OF THE PERSON, AGENCY, OR CORPORATION USING PLAN OR SPECIFICATION DATA FROM THIS PROJECT.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO GUIDELINES OF C/ASCE 38-02. ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".

S.A.P.

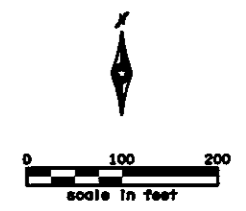
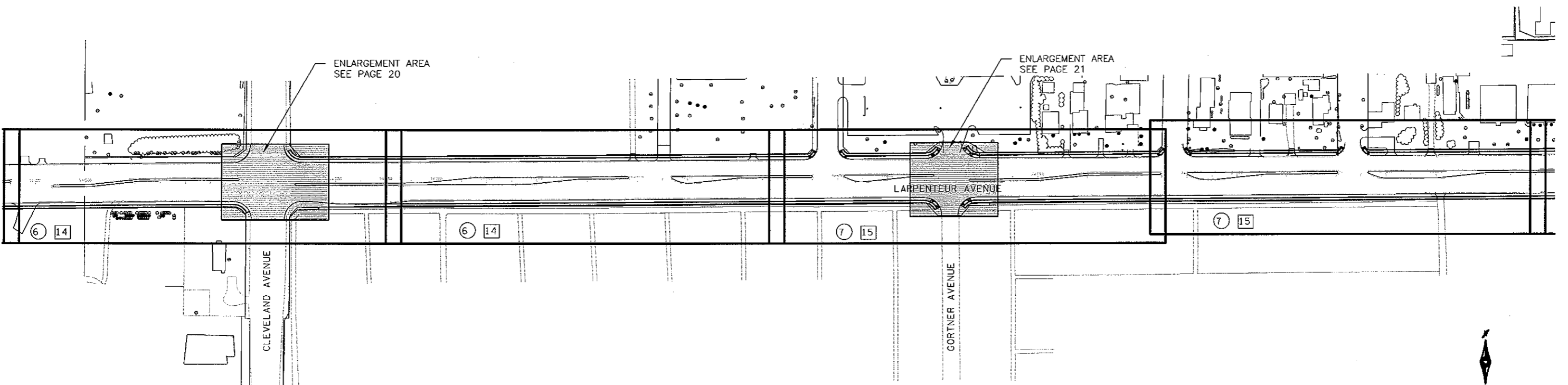
SHEET NO. 1 OF 40 SHEETS



LEGEND

ⓧ STREETScape PLAN SHEET NO.

ⓧ LANDSCAPE PLAN SHEET NO.



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NO	DATE	BY	CKD	APPR

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

Print Name: **Michael McGarvey**

Date: _____ License # **LIC#-1**

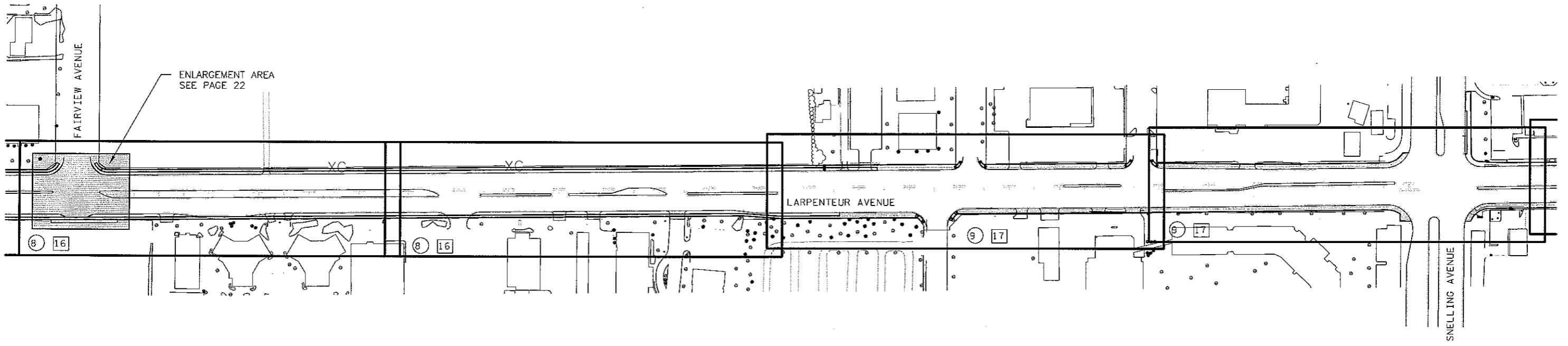
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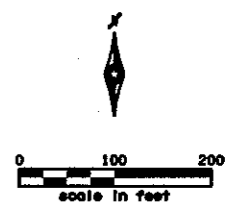
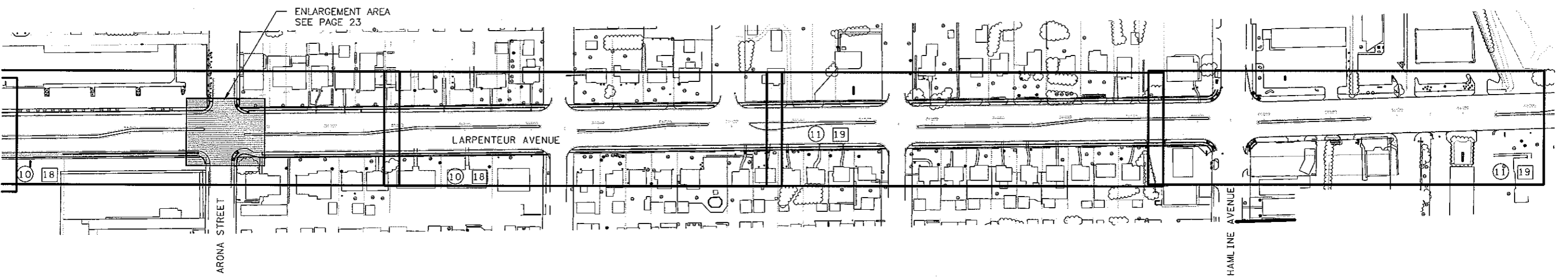
CITY OF FALCON HEIGHTS
 GENERAL LAYOUT
LARPEUR AVENUE STREETScape

SHEET 2 OF 40



LEGEND

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 [XX] LANDSCAPE PLAN SHEET NO.



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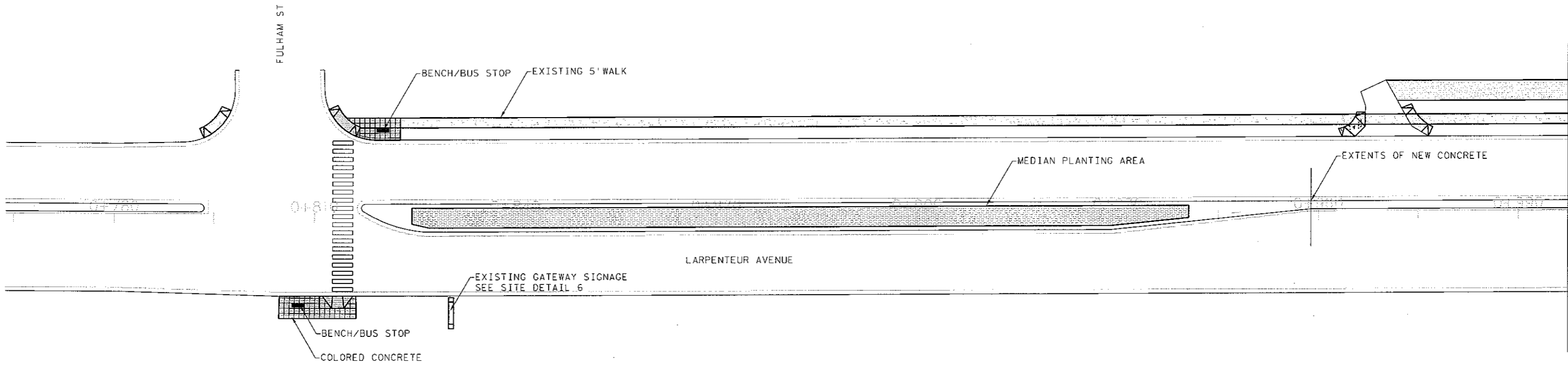
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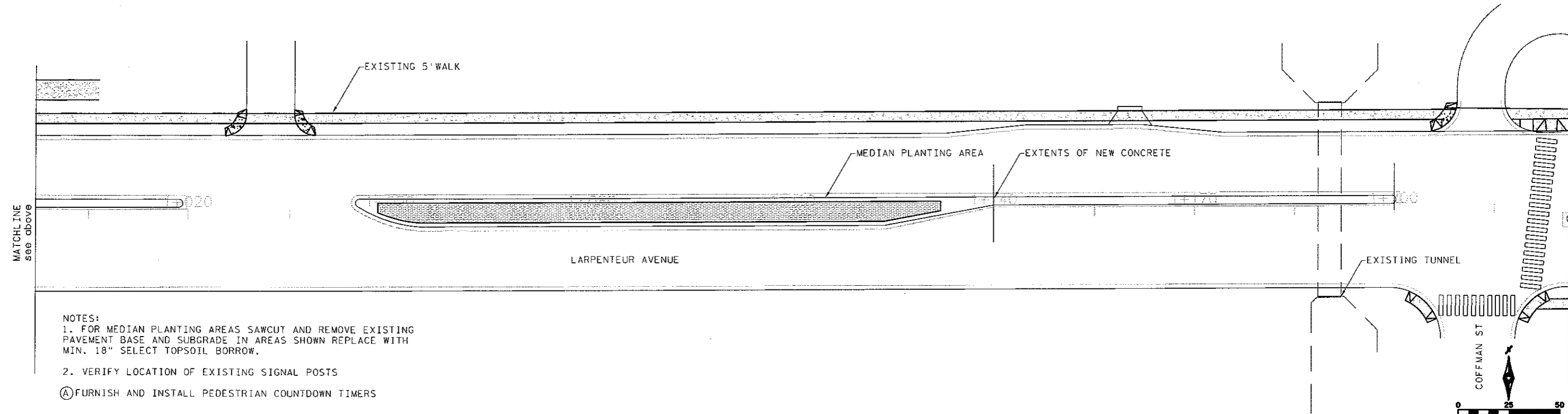


CITY OF FALCON HEIGHTS
 GENERAL LAYOUT
LARPELTEUR AVENUE STREETScape

SHEET
3
OF
40



MATCHLINE
see below



MATCHLINE
see above

MATCHLINE
see sheet 5

- NOTES:
1. FOR MEDIAN PLANTING AREAS SAWCUT AND REMOVE EXISTING PAVEMENT BASE AND SUBGRADE IN AREAS SHOWN REPLACE WITH MIN. 18" SELECT TOPSOIL BORROW.
 2. VERIFY LOCATION OF EXISTING SIGNAL POSTS
- (A) FURNISH AND INSTALL PEDESTRIAN COUNTDOWN TIMERS



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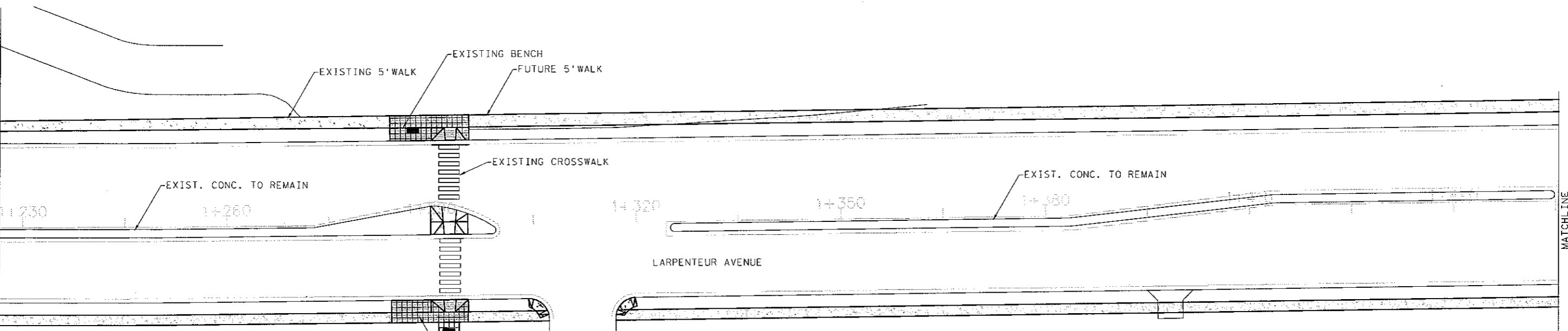


CITY OF FALCON HEIGHTS
 STREETScape PLAN
LARPEUTEUR AVENUE STREETScape
 FULHAM ST. TO COFFMAN ST.

SHEET
4
OF
40

MATCHLINE
SEE SHEET 4

MATCHLINE
SEE BELOW

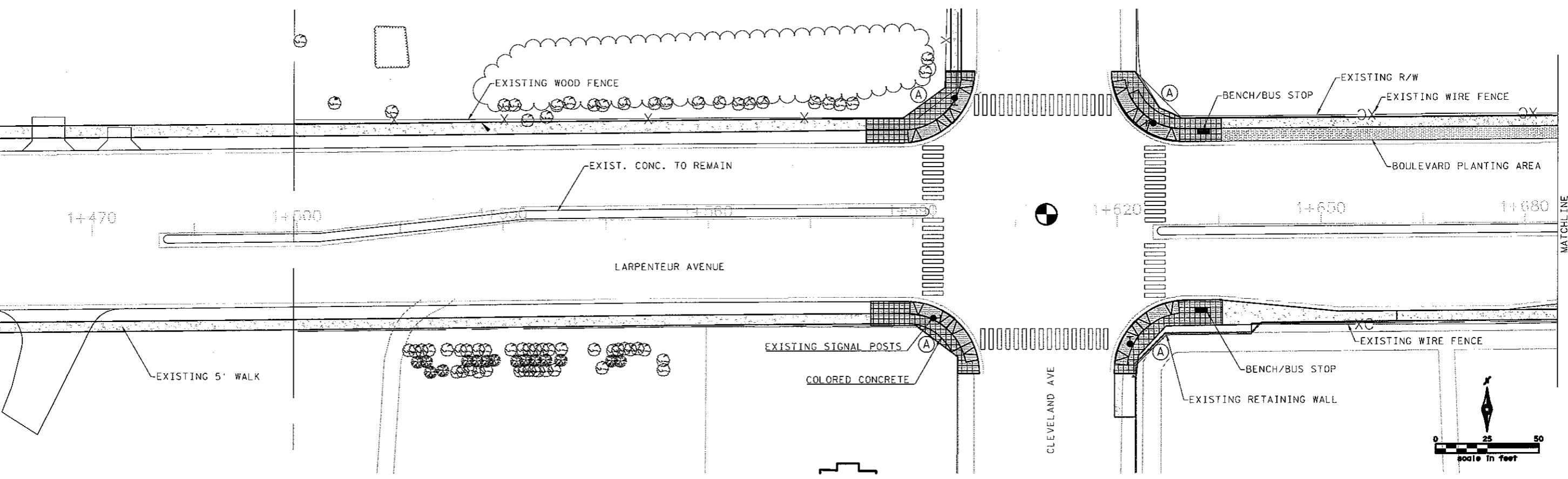


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EXISTING BENCH
 COLORED CONCRETE

MATCHLINE
SEE ABOVE

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SEE SHEET 6



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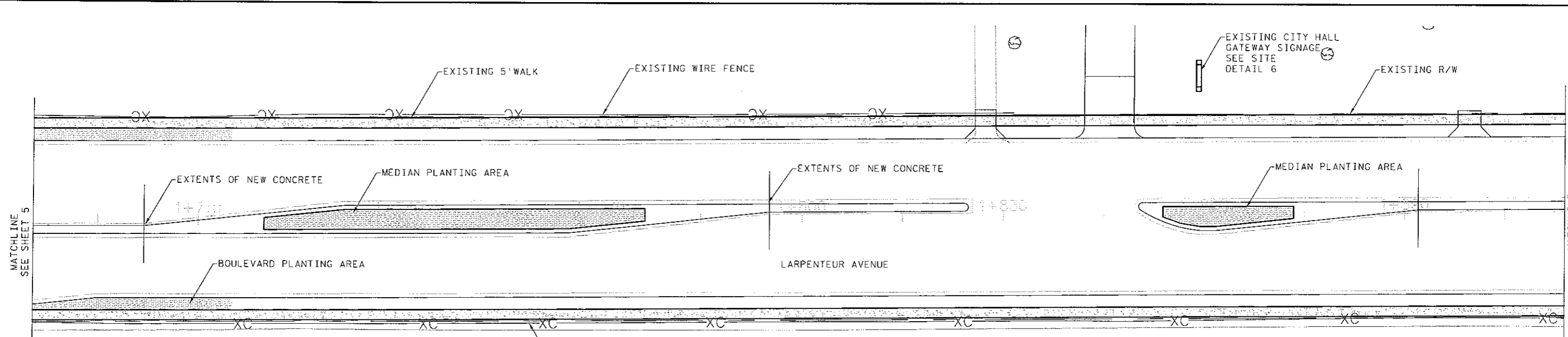
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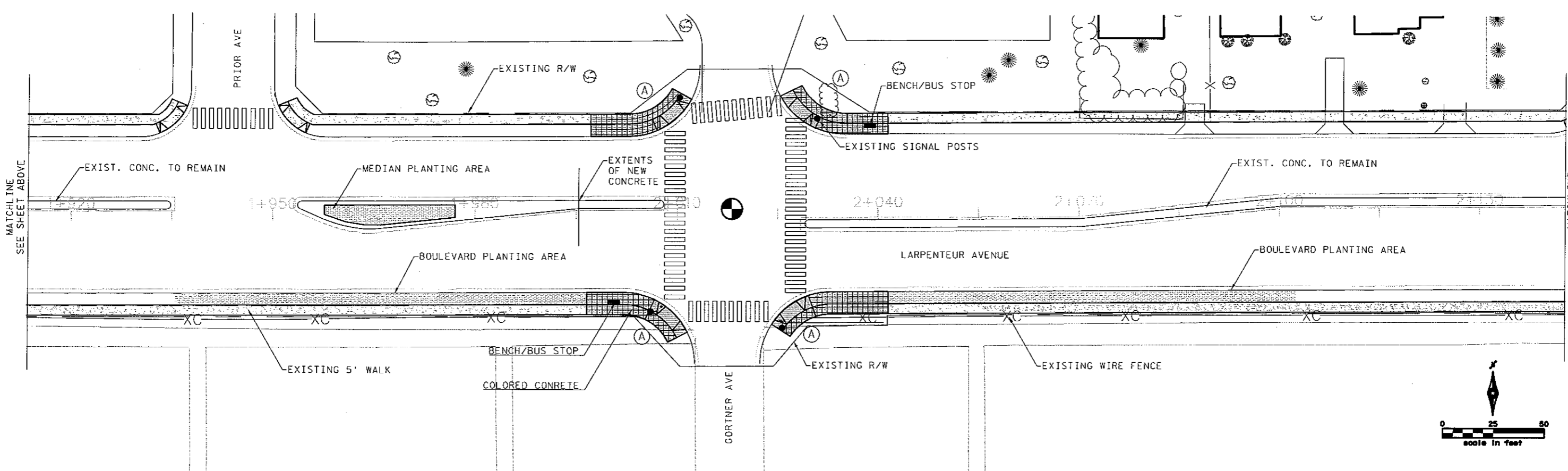
CITY OF FALCON HEIGHTS

STREETSCAPE PLAN
LARPENUR AVENUE STREETSCAPE
 COFFMAN ST. TO CLEVELAND AVE.

SHEET
5
OF
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- NOTES:
- FOR MEDIAN PLANTING AREAS SAWCUT AND REMOVE EXISTING PAVEMENT BASE AND SUBGRADE IN AREAS SHOWN REPLACE WITH MIN. 18" SELECT TOPSOIL BORROW.
 - VERIFY LOCATION OF EXISTING SIGNAL POSTS
- (A) FURNISH AND INSTALL PEDESTRIAN COUNTDOWN TIMERS



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 MICHAEL MCGARVEY
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STATE PROJECT NO.	DESIGNED BY
COUNTY PROJECT NO.	CHECKED BY
CITY PROJECT NO. X	COMM. NO. XXXXXX



CITY OF FALCON HEIGHTS

STREETSCAPE PLAN

LARPEN TEUR AVENUE STREETSCAPE

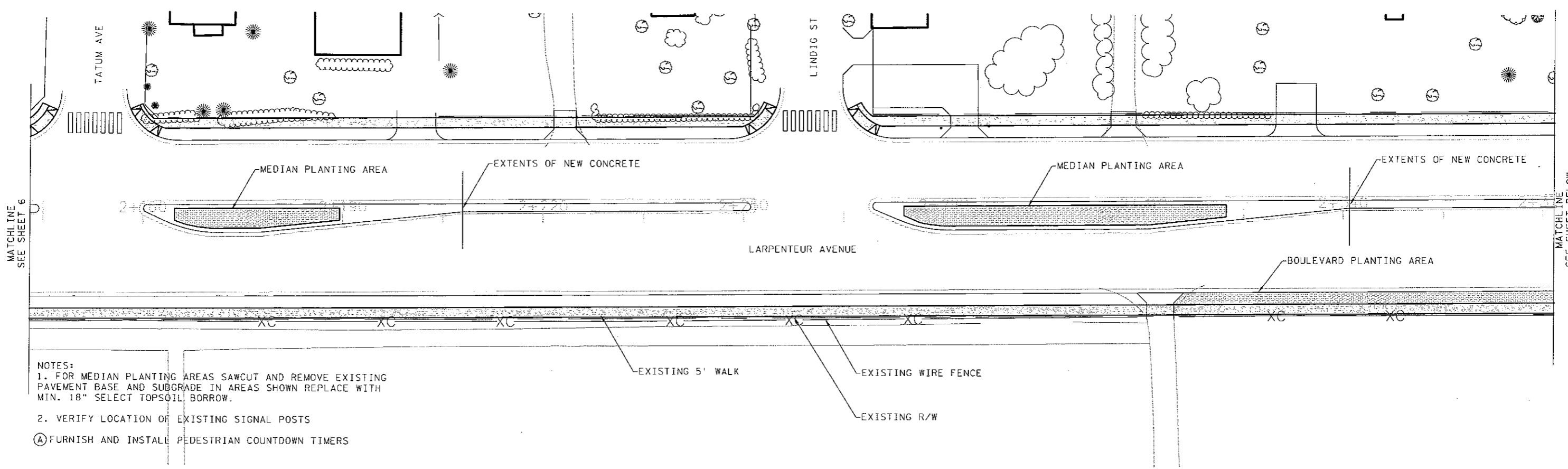
CLEVELAND AVE. TO TATUM AVE.

SHEET

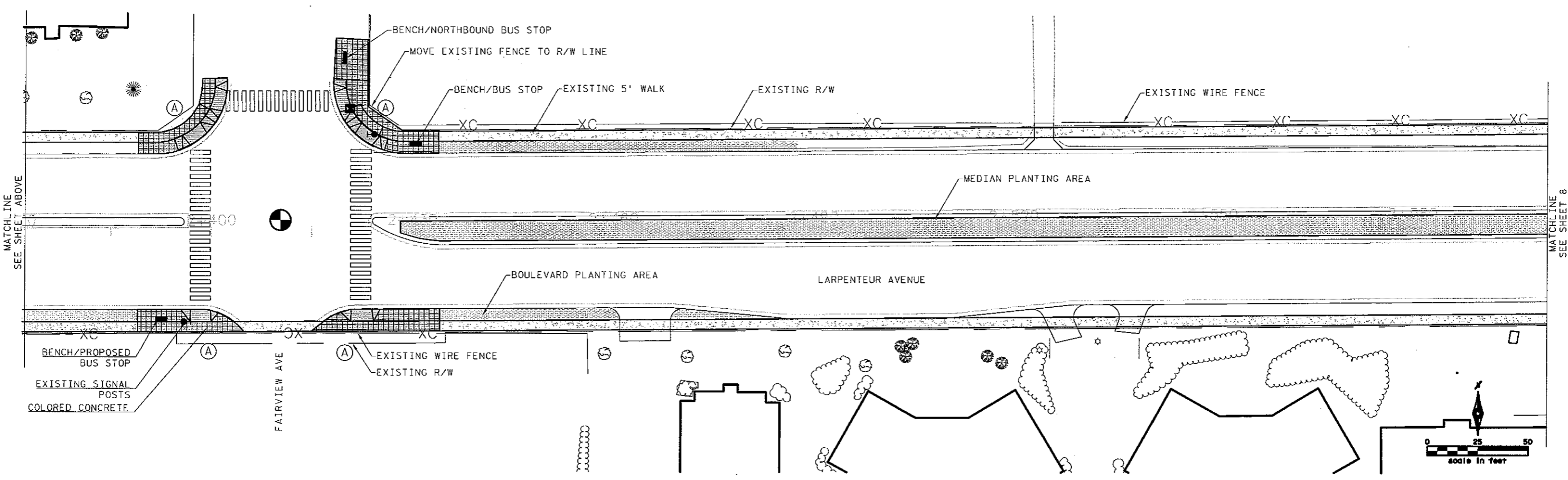
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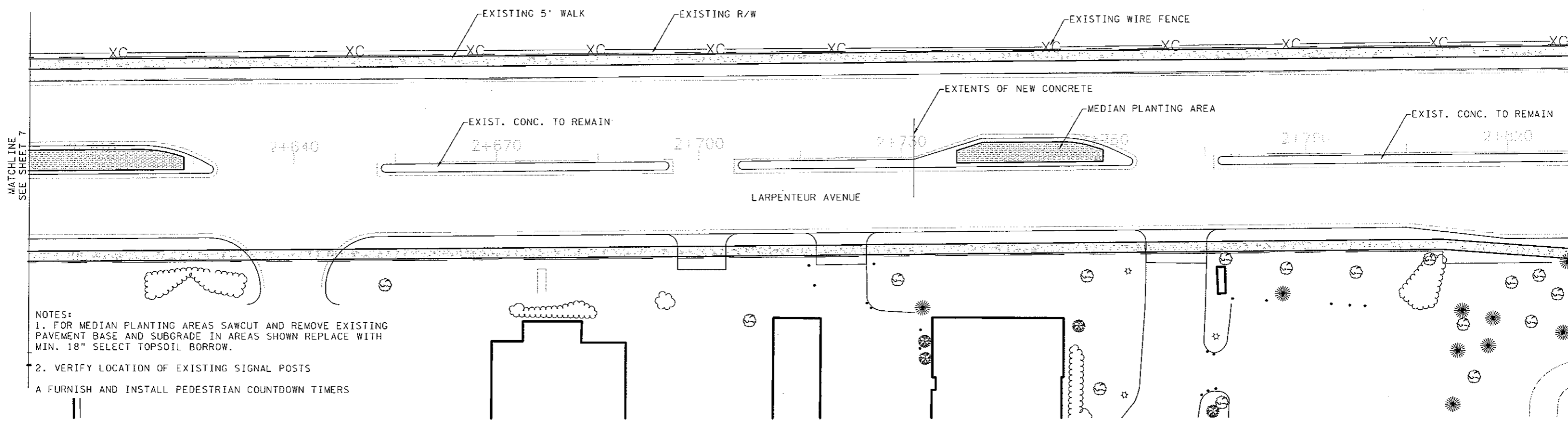
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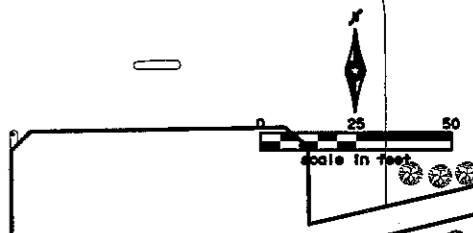
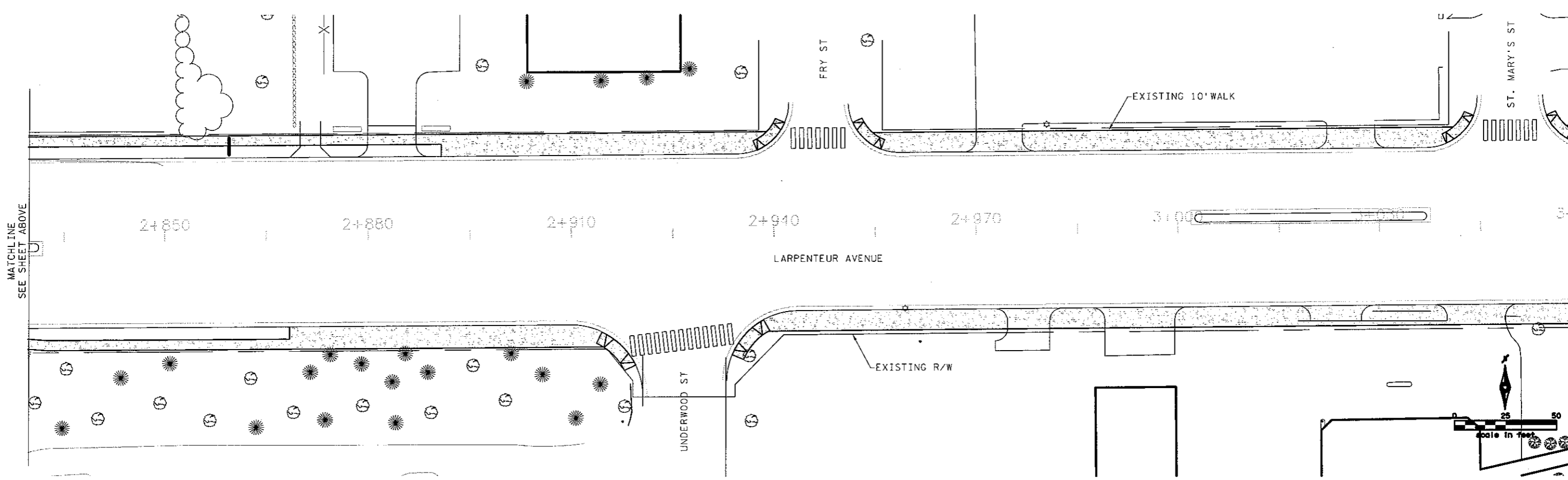


CITY OF FALCON HEIGHTS
 STREETScape PLAN
LARPENTEUR AVENUE STREETScape
 TATUM AVE. TO EAST OF FAIRVIEW AVE.

SHEET
 7
 OF
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NOTES:
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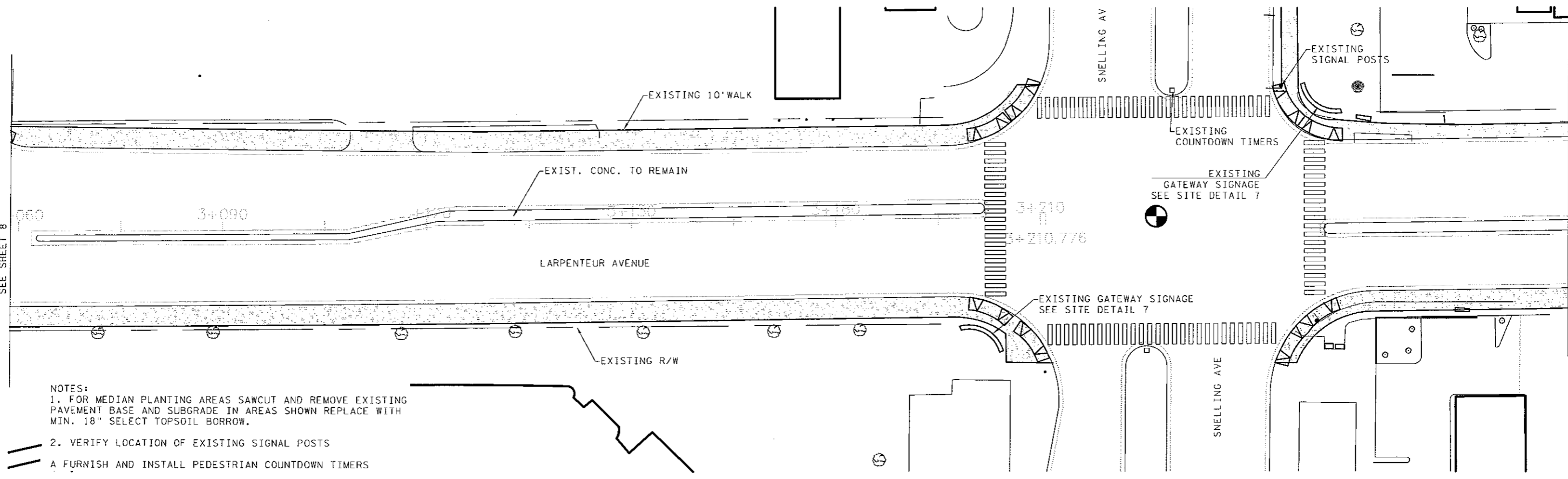


CITY OF FALCON HEIGHTS
 STREETScape PLAN
LARPEUTEUR AVENUE STREETScape
 EAST OF FAIRVIEW AVE. TO ST. MARY'S ST.

SHEET 8 OF 40

MATCHLINE
SEE SHEET 8

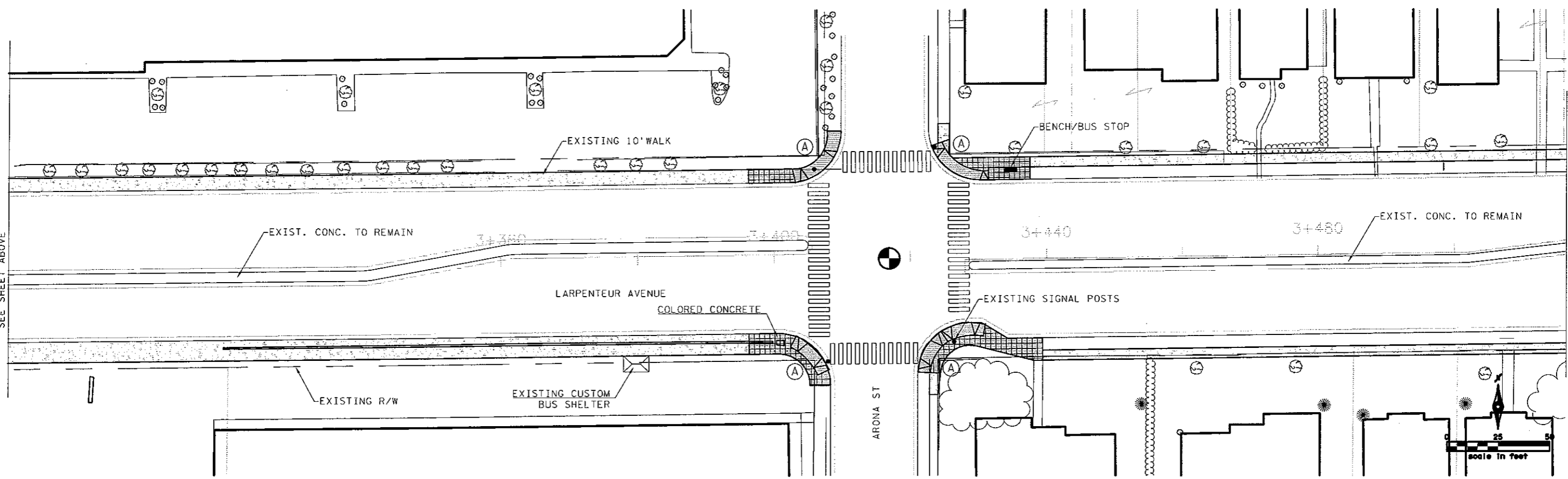
MATCHLINE
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- NOTES:
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 - A FURNISH AND INSTALL PEDESTRIAN COUNTDOWN TIMERS

MATCHLINE
SEE SHEET ABOVE

MATCHLINE
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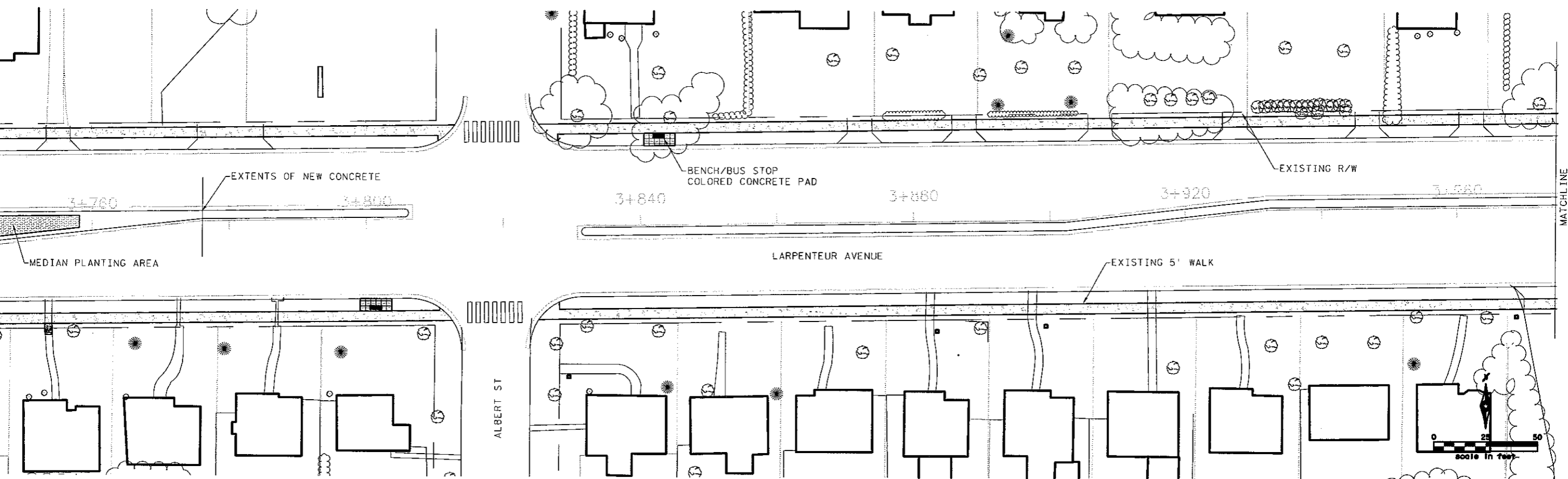
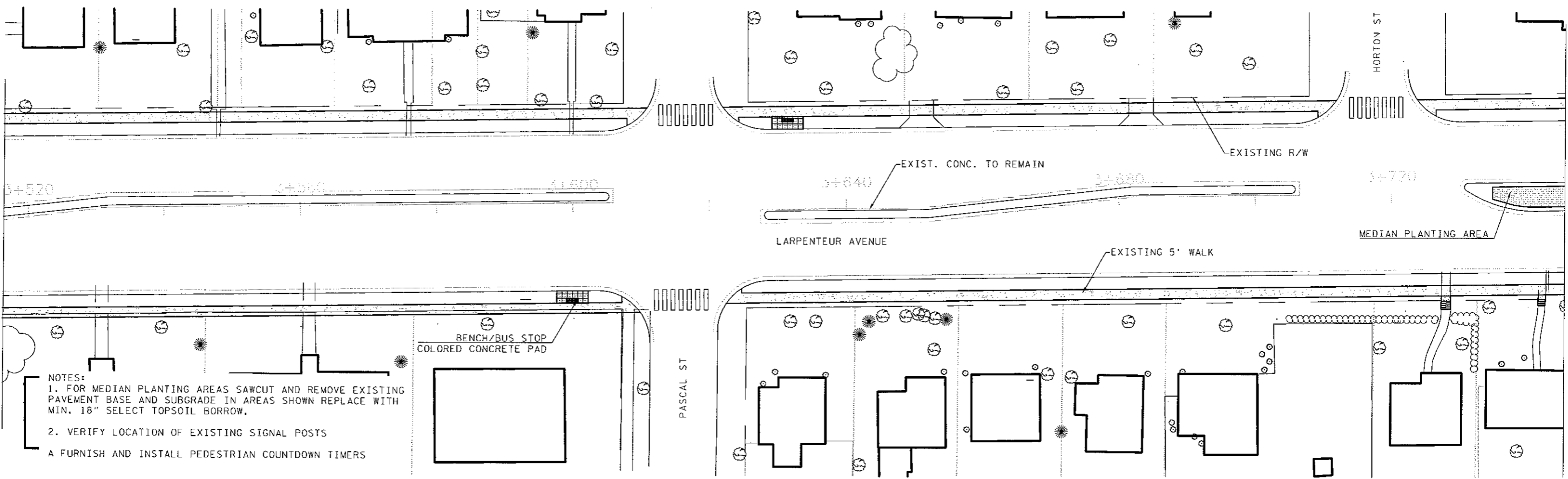
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COUNTY PROJECT NO. X
CITY PROJECT NO. X

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CITY OF FALCON HEIGHTS
STREETScape PLAN
LARPEUR AVENUE STREETScape
ST. MARY'S ST. TO EAST OF ARONA ST.

SHEET
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Print Name: Michael McGarvey

Date: _____ License # LIC#-1#

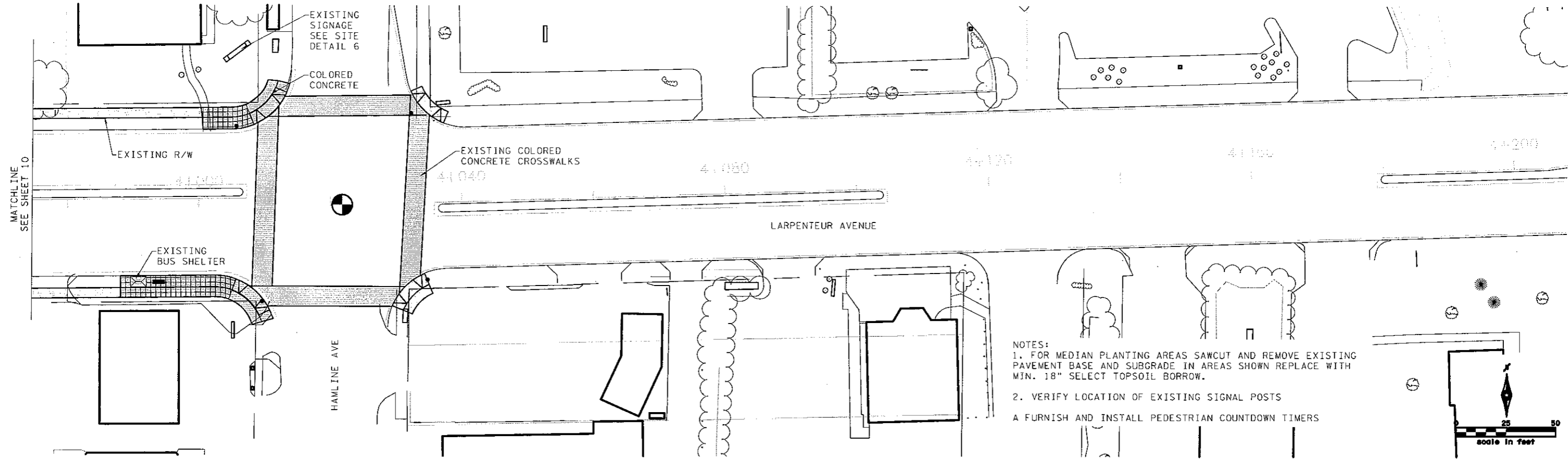
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COUNTY PROJECT NO. X
CITY PROJECT NO. X

DRAWN BY #DRAWN-1#
DESIGNED BY #DESIGNED-1#
CHECKED BY #CHECKED-1#
COMM. NO. XXXXXXX



CITY OF FALCON HEIGHTS
STREETSCAPE PLAN
LARPEUTEUR AVENUE STREETSCAPE
EAST OF ARONA ST. TO HAMLINE AVE.

SHEET 10 OF 40



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NO	DATE	BY	CHKD	APPR

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Print Name: Michael McGarvey

Date: _____ License # LC#-1

STATE AID PROJECT NO. X
 STATE PROJECT NO. X
 COUNTY PROJECT NO. X
 CITY PROJECT NO. X

DRAWN BY
 #DRAWN-1#
 DESIGNED BY
 #DESIGNED-1#
 CHECKED BY
 #CHECKED-1#
 COMM. NO. XXXXXXX



CITY OF FALCON HEIGHTS

STREETSCAPE PLAN
 LARPENTEUR AVENUE STREETSCAPE
 HAMLIN AVE.

SHEET
 11
 OF
 40

FULHAM ST

LARPEUR AVENUE

EXISTING GATEWAY SIGNAGE
SEE SITE DETAIL 6

MATCHLINE
SEE SHEET BELOW

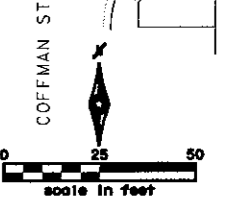
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- PROPOSED DECIDUOUS TREE
- PROPOSED ORNAMENTAL TREE
- ⊙ PROPOSED SHRUB
- PROPOSED PERENNIAL
- ▨ PROPOSED NATIVE PLANTINGS
- ⊕ EXISTING DECIDUOUS TREE
- ⊗ EXISTING CONIFEROUS TREE

LARPEUR AVENUE

MATCHLINE
SEE SHEET ABOVE

MATCHLINE
SEE SHEET 13



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NO	DATE	BY	CKD	APPR

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.
 Print Name: Michael McGarvey
 Date: _____ License # SLIC#-1

STATE AID PROJECT NO. X
 STATE PROJECT NO. X
 COUNTY PROJECT NO. X
 CITY PROJECT NO. X
 DRAWN BY #DRAWN-1\$
 DESIGNED BY #DESIGNED-1\$
 CHECKED BY #CHECKED-1\$
 COMM. NO. XXXXXX



CITY OF FALCON HEIGHTS
 LANDSCAPE PLAN
 LARPEUR AVENUE STREETScape
 FULHAM ST. TO COFFMAN ST.

SHEET
 12
 OF
 40

MATCHLINE
SEE SHEET 12

MATCHLINE
SEE SHEET BELOW

LARPENTEUR AVENUE

LEGEND

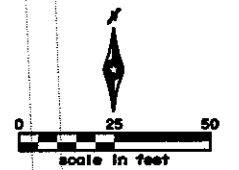
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- PROPOSED ORNAMENTAL TREE
- PROPOSED SHRUB
- PROPOSED PERENNIAL
- ▨ PROPOSED NATIVE PLANTINGS
- ⊙ EXISTING DECIDUOUS TREE
- ⊙ EXISTING CONIFEROUS TREE

MATCHLINE
SEE SHEET ABOVE

MATCHLINE
SEE SHEET 14

LARPENTEUR AVENUE

CLEVELAND AVE



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NO	DATE	BY	CHKD	APPR

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Print Name: **Michael McGarvey**

Date: _____ License # **LC#-1**

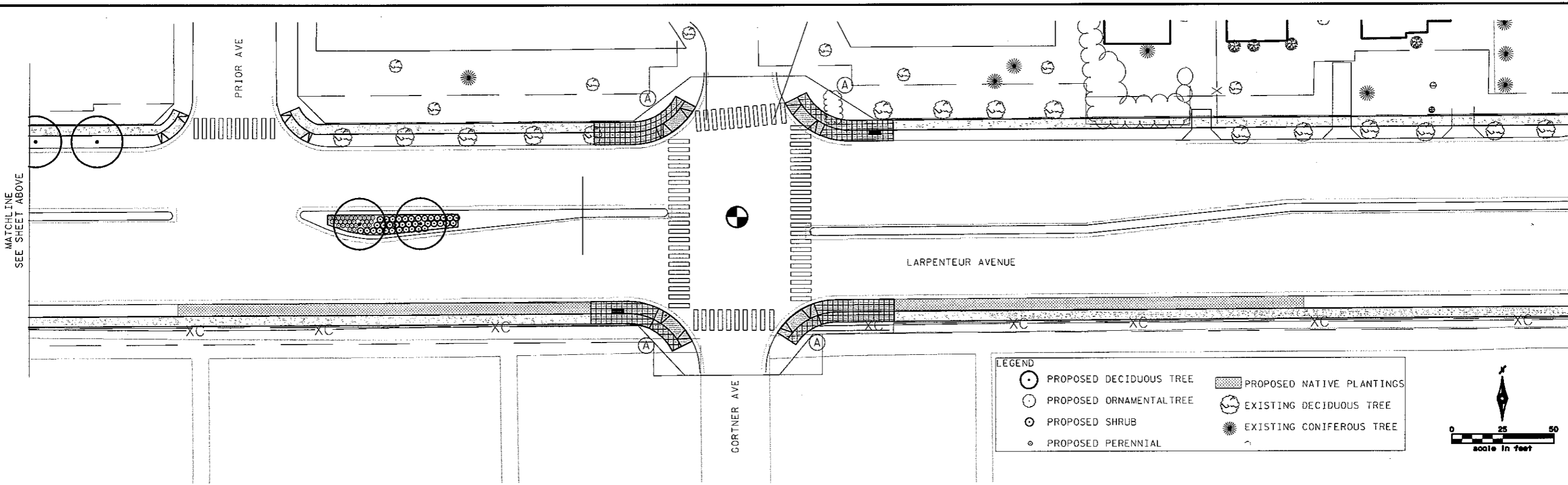
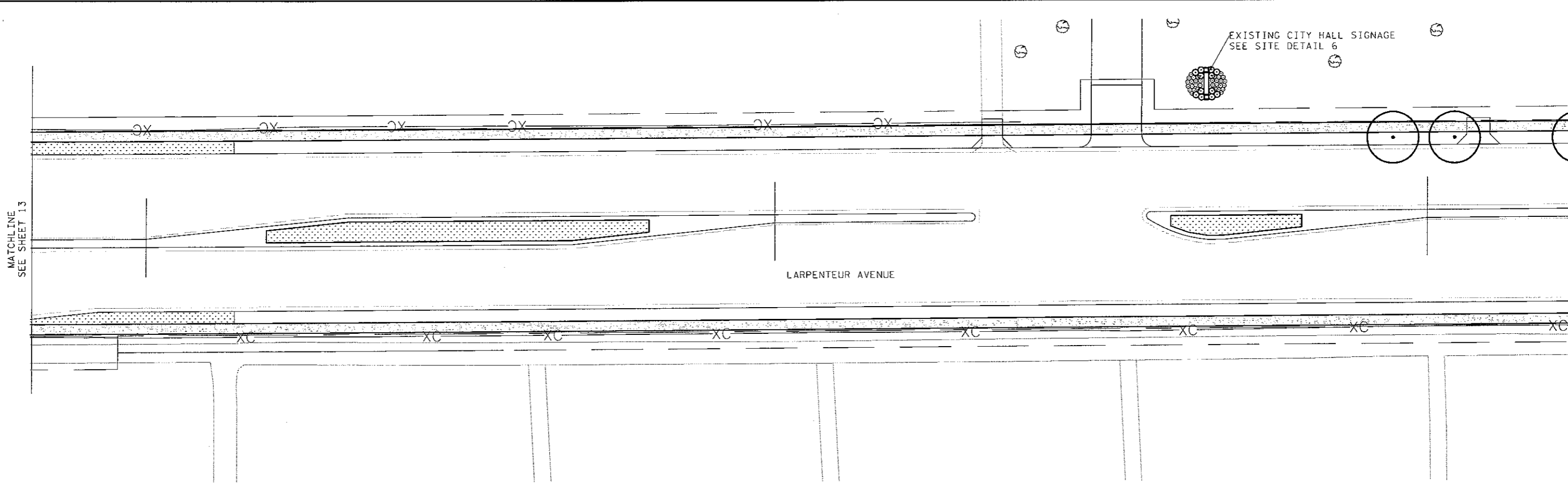
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 STATE PROJECT NO. X
 COUNTY PROJECT NO. X
 CITY PROJECT NO. X

DRAWN BY
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 #DESIGNED-1\$
 CHECKED BY
 #CHECKED-1\$
 COMM. NO. XXXXXXX



CITY OF FALCON HEIGHTS
 LANDSCAPE PLAN
LARPENTEUR AVENUE STREETScape
 COFFMAN ST. TO CLEVELAND AVE.

SHEET
13
OF
40



LEGEND

○	PROPOSED DECIDUOUS TREE	▨	PROPOSED NATIVE PLANTINGS
○	PROPOSED ORNAMENTAL TREE	●	EXISTING DECIDUOUS TREE
○	PROPOSED SHRUB	★	EXISTING CONIFEROUS TREE
○	PROPOSED PERENNIAL		



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Date: _____ License # **§LIC#-1§**

STATE AID PROJECT NO. X
STATE PROJECT NO. X
COUNTY PROJECT NO. X
CITY PROJECT NO. X

DRAWN BY §DRAWN-1§
DESIGNED BY §DESIGNED-1§
CHECKED BY §CHECKED-1§
COMM. NO. XXXXXXX

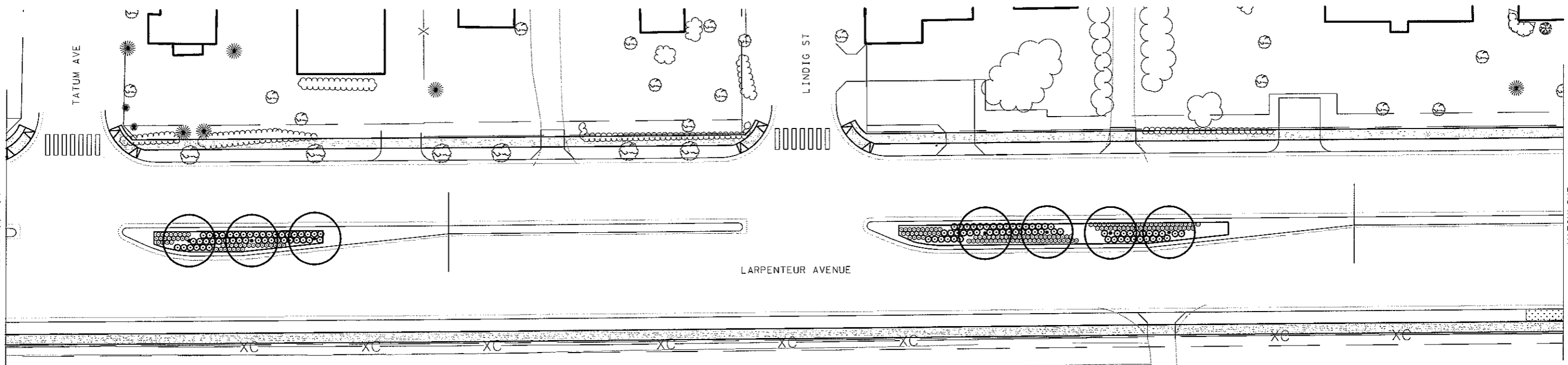


CITY OF FALCON HEIGHTS
LANDSCAPE PLAN
LARPEUR AVENUE STREETScape
CLEVELAND AVE. TO TATUM AVE.

SHEET 14 OF 40

MATCHLINE
SEE SHEET 14

MATCHLINE
SEE SHEET BELOW

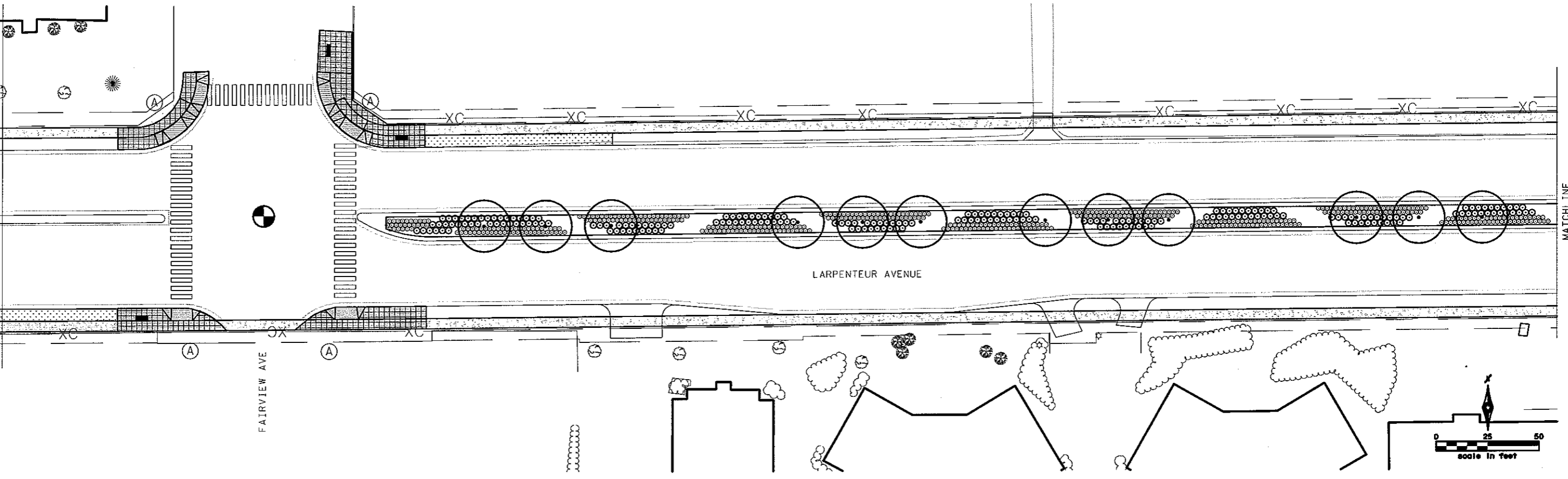


LEGEND

- PROPOSED DECIDUOUS TREE
- PROPOSED ORNAMENTAL TREE
- ⊙ PROPOSED SHRUB
- PROPOSED PERENNIAL
- ▨ PROPOSED NATIVE PLANTINGS
- ⊕ EXISTING DECIDUOUS TREE
- ⊗ EXISTING CONIFEROUS TREE

MATCHLINE
SEE SHEET ABOVE

MATCHLINE
SEE SHEET 16



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NO	DATE	BY	CHKD	APPR
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Print Name: **Michael McGarvey**

Date: _____ License # **6809A-1**

STATE AID PROJECT NO. X
STATE PROJECT NO. X
COUNTY PROJECT NO. X
CITY PROJECT NO. X

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COMM. NO. XXXXXXX

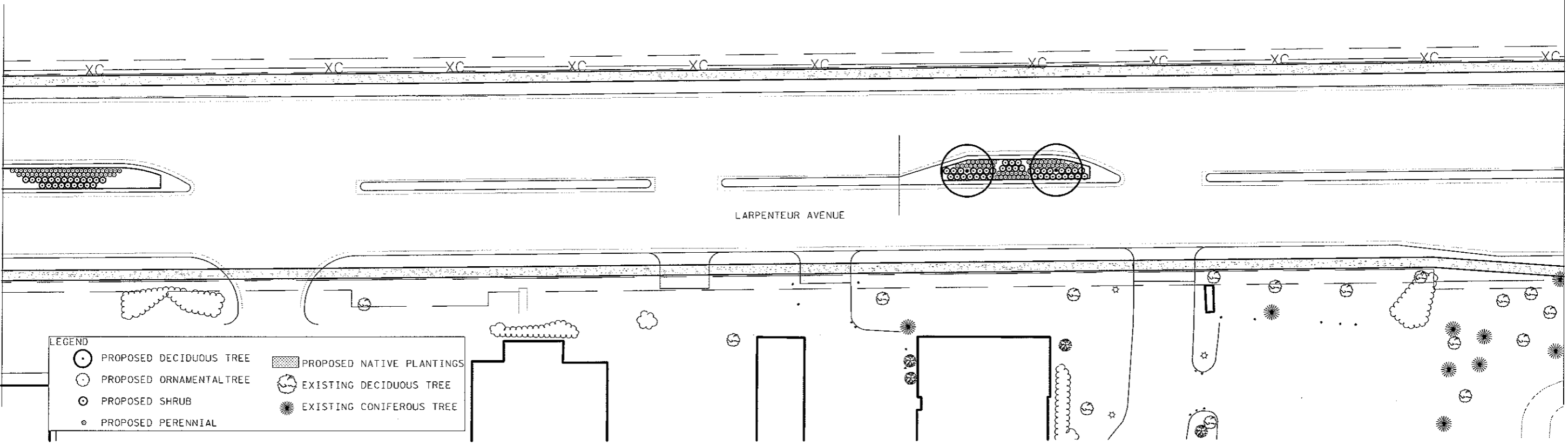
SRF CONSULTING GROUP, INC.

CITY OF FALCON HEIGHTS
LANDSCAPE PLAN
LARPEUR AVENUE STREETScape
TATUM AVE. TO EAST OF FAIRVIEW AVE.

SHEET
15
OF
40

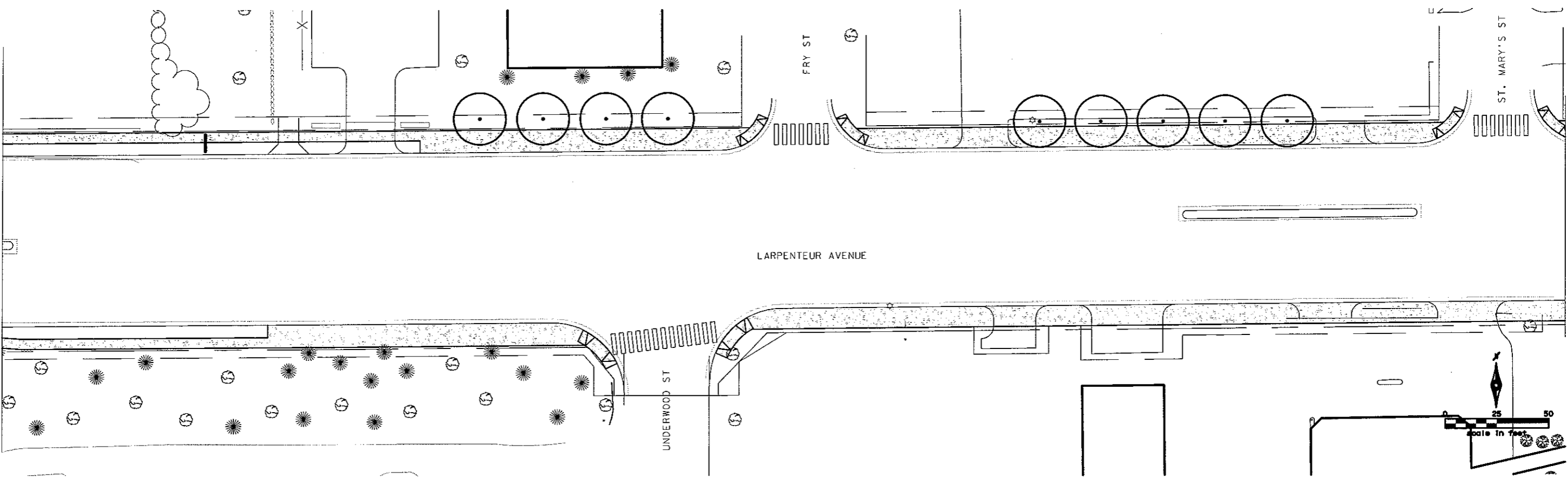
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SEE SHEET 15

MATCHLINE
SEE SHEET BELOW



MATCHLINE
SEE SHEET ABOVE

MATCHLINE
SEE SHEET 17



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Print Name: Michael McGarvey

Date: _____ License # 6809A

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 CITY PROJECT NO. X

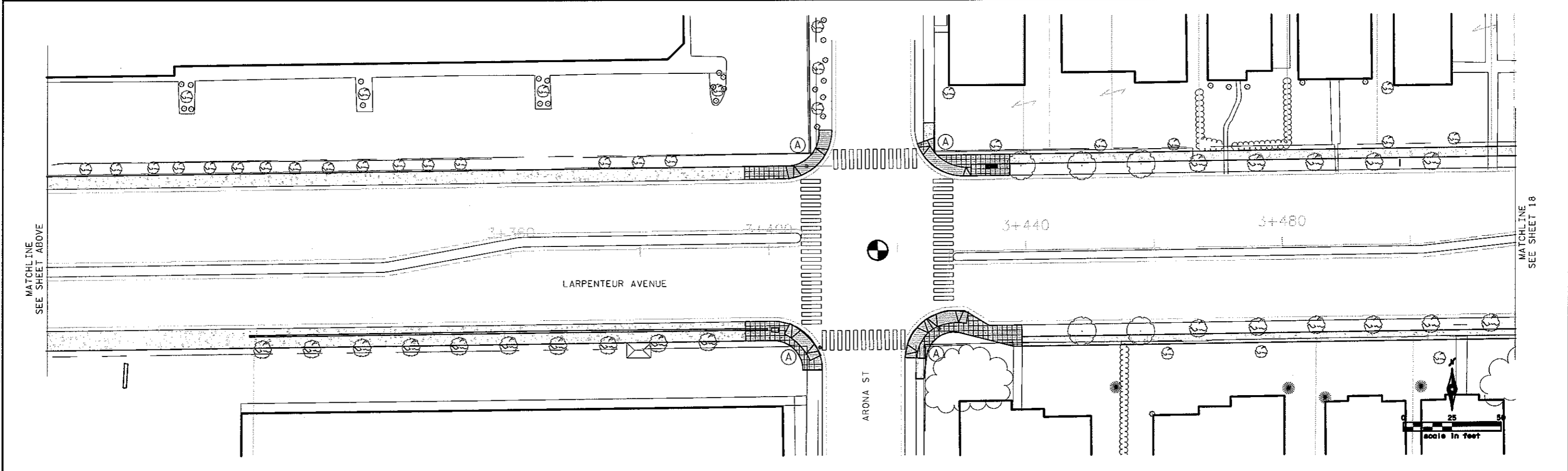
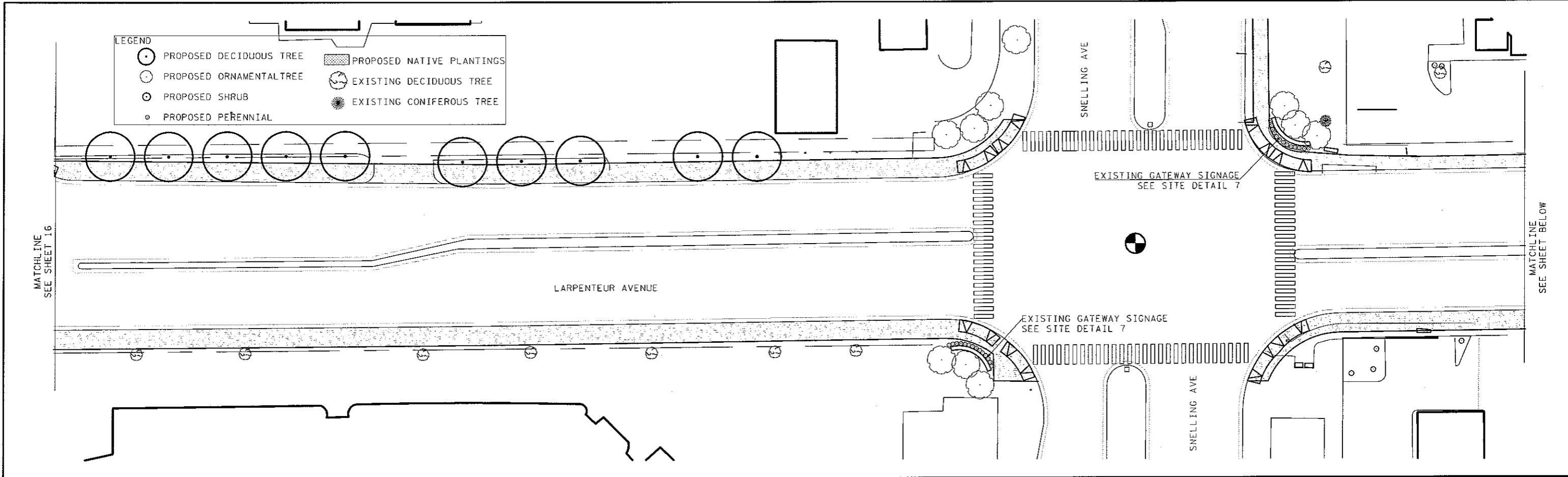
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 DESIGNED BY #DESIGNED-1\$
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 CDMM. NO. XXXXXX



CITY OF FALCON HEIGHTS
 LANDSCAPE PLAN
LARPEUR AVENUE STREETSCAPE
 EAST OF FAIRVIEW AVE. TO ST. MARY'S ST.

SHEET
 16
 OF
 40

- LEGEND
- PROPOSED DECIDUOUS TREE
 - PROPOSED ORNAMENTAL TREE
 - PROPOSED SHRUB
 - PROPOSED PERENNIAL
 - ▨ PROPOSED NATIVE PLANTINGS
 - ⊙ EXISTING DECIDUOUS TREE
 - ⊙ EXISTING CONIFEROUS TREE



12/22/2009 10:48:12 AM
 MICHAEL SCHLEPP
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NO	DATE	BY	CHKD	APPR

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Print Name: **Michael McGarvey**

Date: _____ License # **\$LIC#-1\$**

STATE AID PROJECT NO. X
 STATE PROJECT NO. X
 COUNTY PROJECT NO. X
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DRAWN BY \$DRAWN-1\$
 DESIGNED BY \$DESIGNED-1\$
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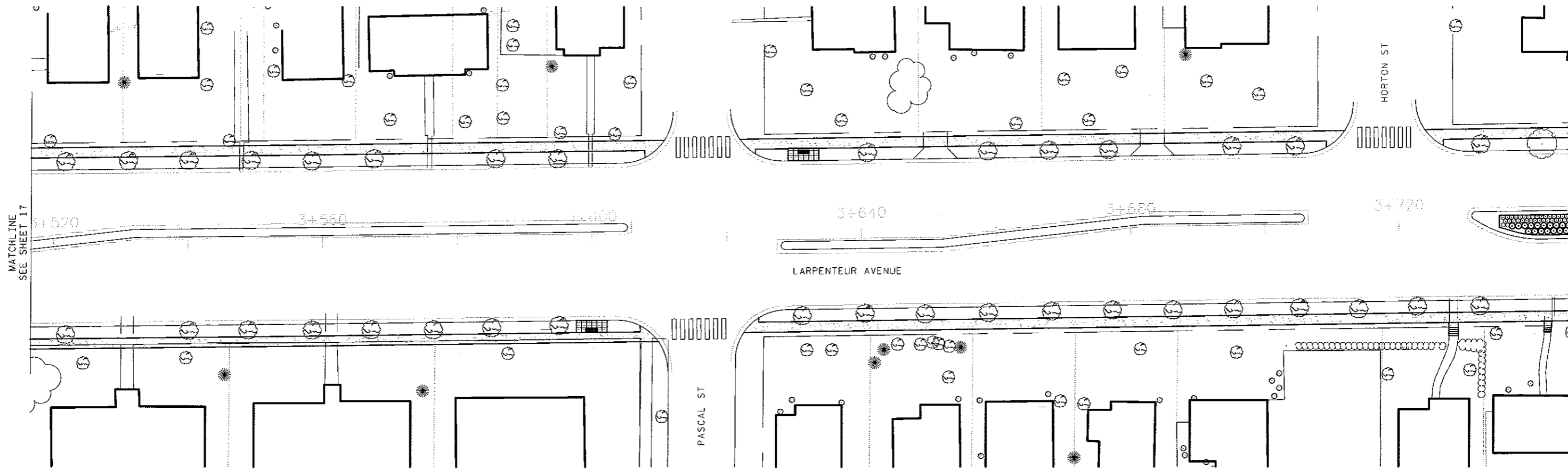


CITY OF FALCON HEIGHTS
 LANDSCAPE PLAN
LARPENTEUR AVENUE STREETSCAPE
 ST. MARY'S ST. TO EAST OF ARONA ST.

SHEET 17 OF 40

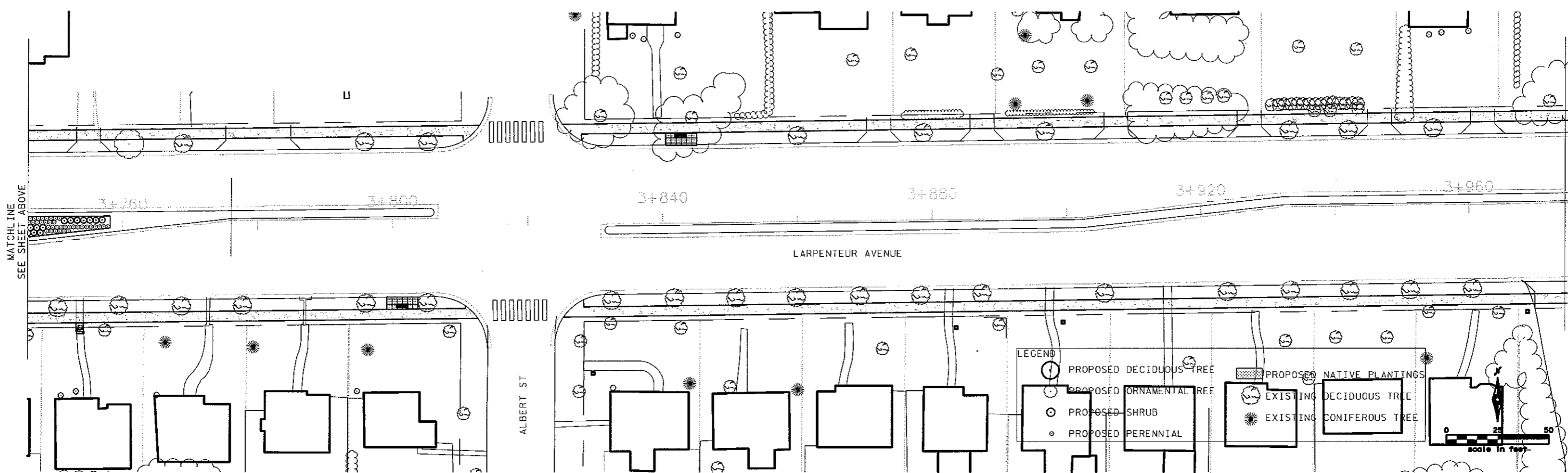
MATCHLINE
SEE SHEET 17

MATCHLINE
SEE SHEET BELOW



MATCHLINE
SEE SHEET ABOVE

MATCHLINE
SEE SHEET 19



LEGEND

- PROPOSED DECIDUOUS TREE
- PROPOSED ORNAMENTAL TREE
- PROPOSED SHRUB
- PROPOSED PERENNIAL
- ◻ PROPOSED NATIVE PLANTINGS
- EXISTING DECIDUOUS TREE
- ☼ EXISTING CONIFEROUS TREE



12/27/2009 10:48:12 AM
MICHAEL MCGARVEY
H:\Projects\6809\LA\Plan\6809A_LN01.dwg

NO	DATE	BY	CHKD	APPR

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Print Name: **Michael McGarvey**

Date: _____ License # **\$LIC#-1\$**

STATE AID PROJECT NO. X
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COUNTY PROJECT NO. X
CITY PROJECT NO. X

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\$DRAWN-1\$

DESIGNED BY
\$DESIGNED-1\$

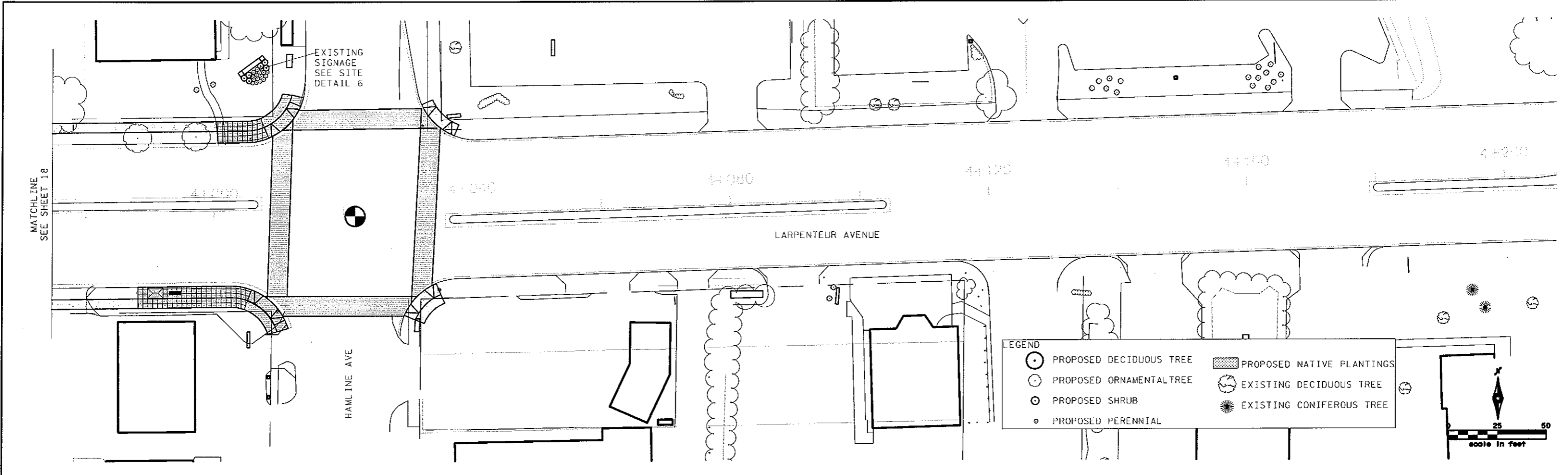
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COMM. NO. XXXXXXX



CITY OF FALCON HEIGHTS
LANDSCAPE PLAN
LARPELLEUR AVENUE STREETScape
EAST OF ARONA ST. TO HAMLIN AVE.

SHEET
18
OF
40



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NO	DATE	BY	CHKD	APPR

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Date: _____ License #: **6809A-LN01**

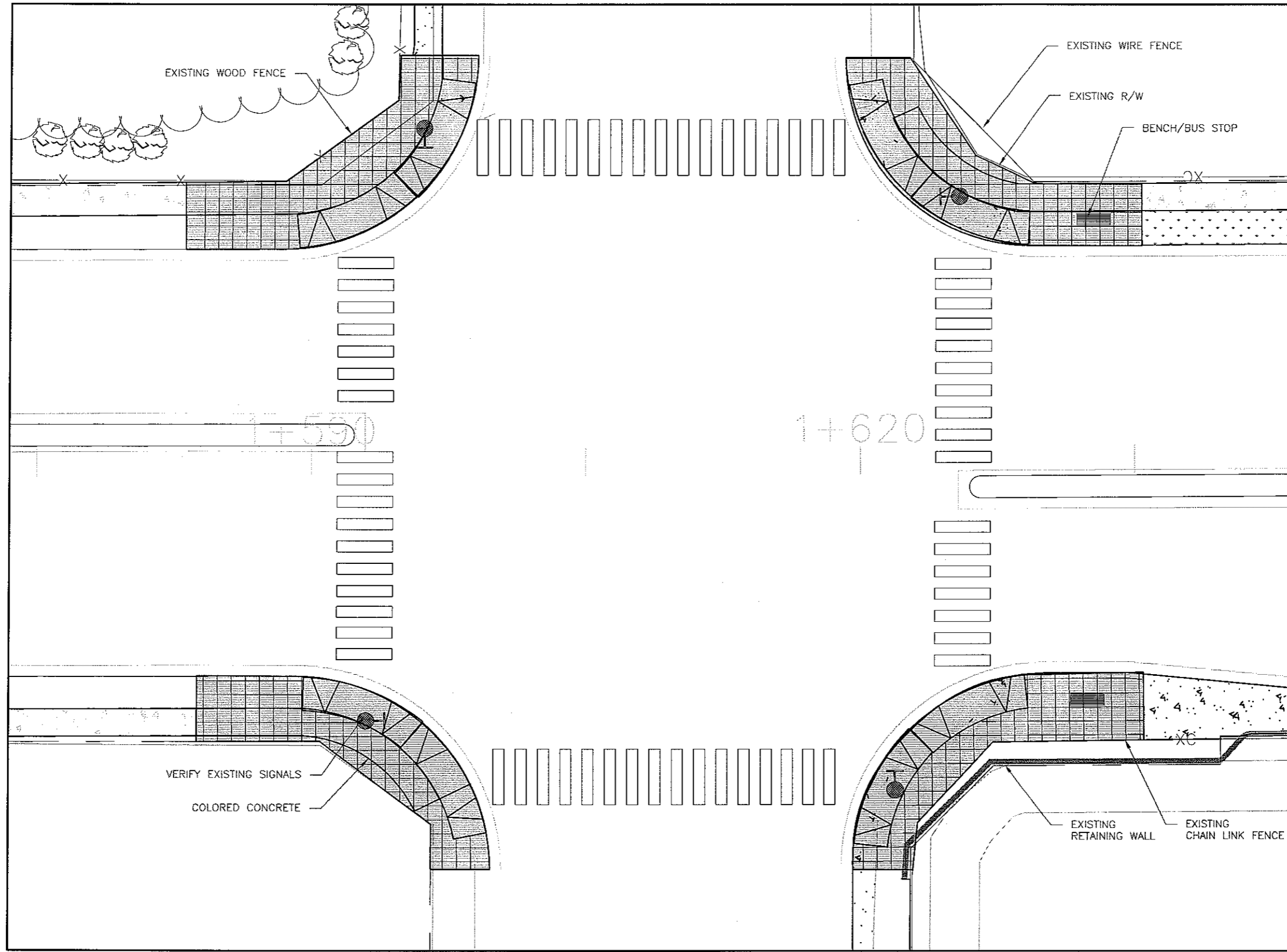
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 STATE PROJECT NO. X
 COUNTY PROJECT NO. X
 CITY PROJECT NO. X

DRAWN BY #DRAWN-1\$
 DESIGNED BY #DESIGNED-1\$
 CHECKED BY #CHECKED-1\$
 COMM. NO. XXXXXXX



CITY OF FALCON HEIGHTS
 LANDSCAPE PLAN
LARPELTEUR AVENUE STREETScape
 HAMLINe AVe.

SHEET
19
OF
40



12/22/2009 10:17:38 AM
 NICHOLE SCHLEPP
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NO	DATE	BY	CHKD	APPR

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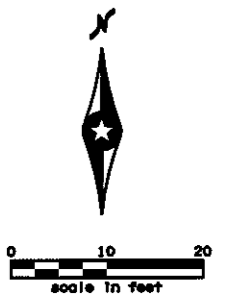
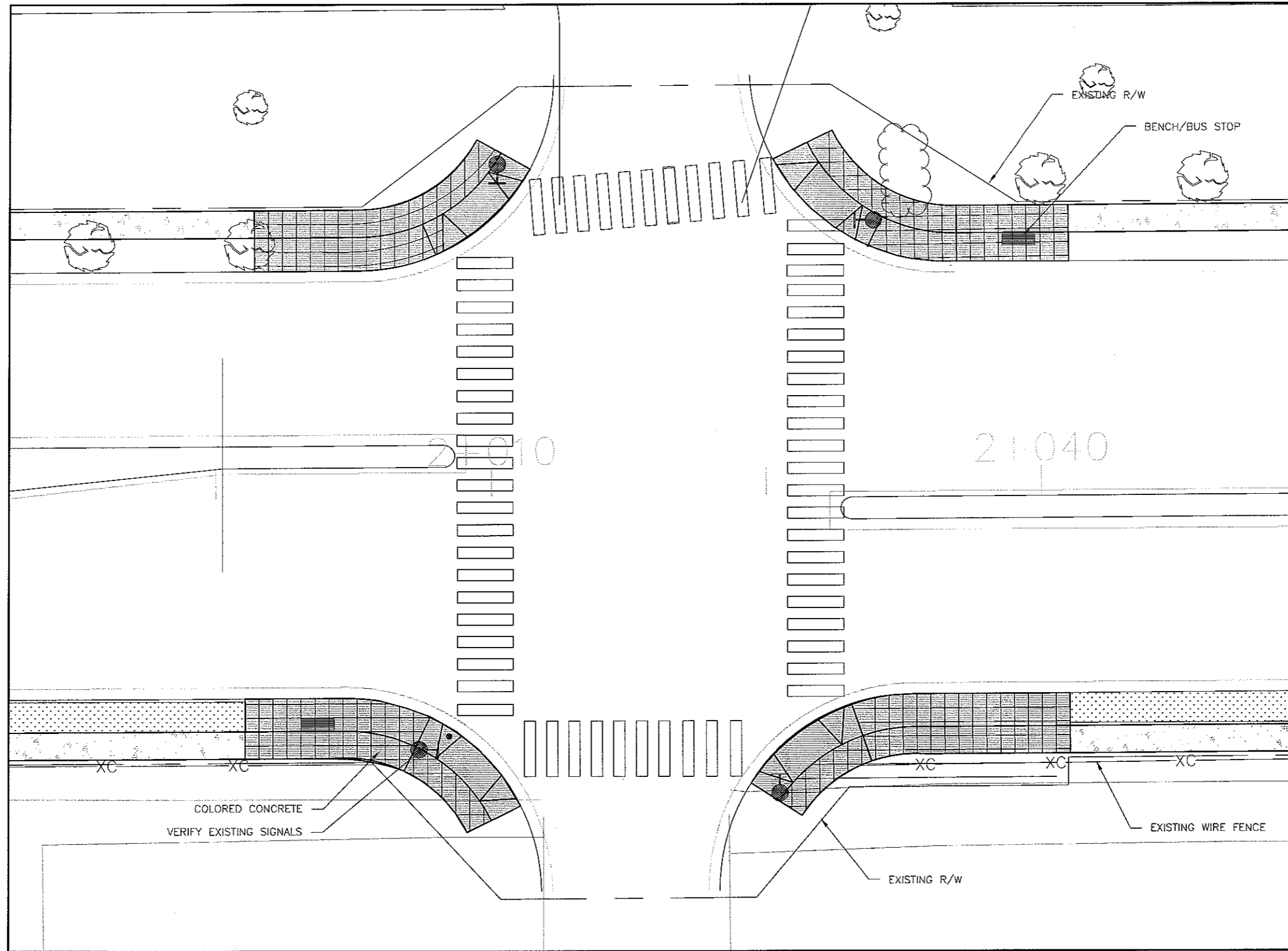
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 Date: _____ License # **LC#-1\$**

STATE AID PROJECT NO. X	DRAWN BY \$DRAWN-1\$
STATE PROJECT NO. X	DESIGNED BY \$DESIGNED-1\$
COUNTY PROJECT NO. X	CHECKED BY \$CHECKED-1\$
CITY PROJECT NO. X	COMM. NO. XXXXXXX



CITY OF FALCON HEIGHTS
 ENLARGEMENT PLANS
LARPEUR AVENUE STREETScape
 CLEVELAND AVENUE INTERSECTION

SHEET
 20
OF
 40



12/22/2009 10:17:38 AM
 NICHOLE SCHLEPP
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NO	DATE	BY	CHKD	APPR

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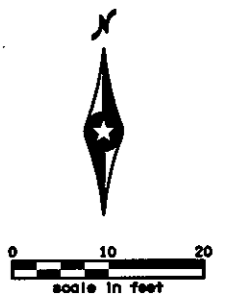
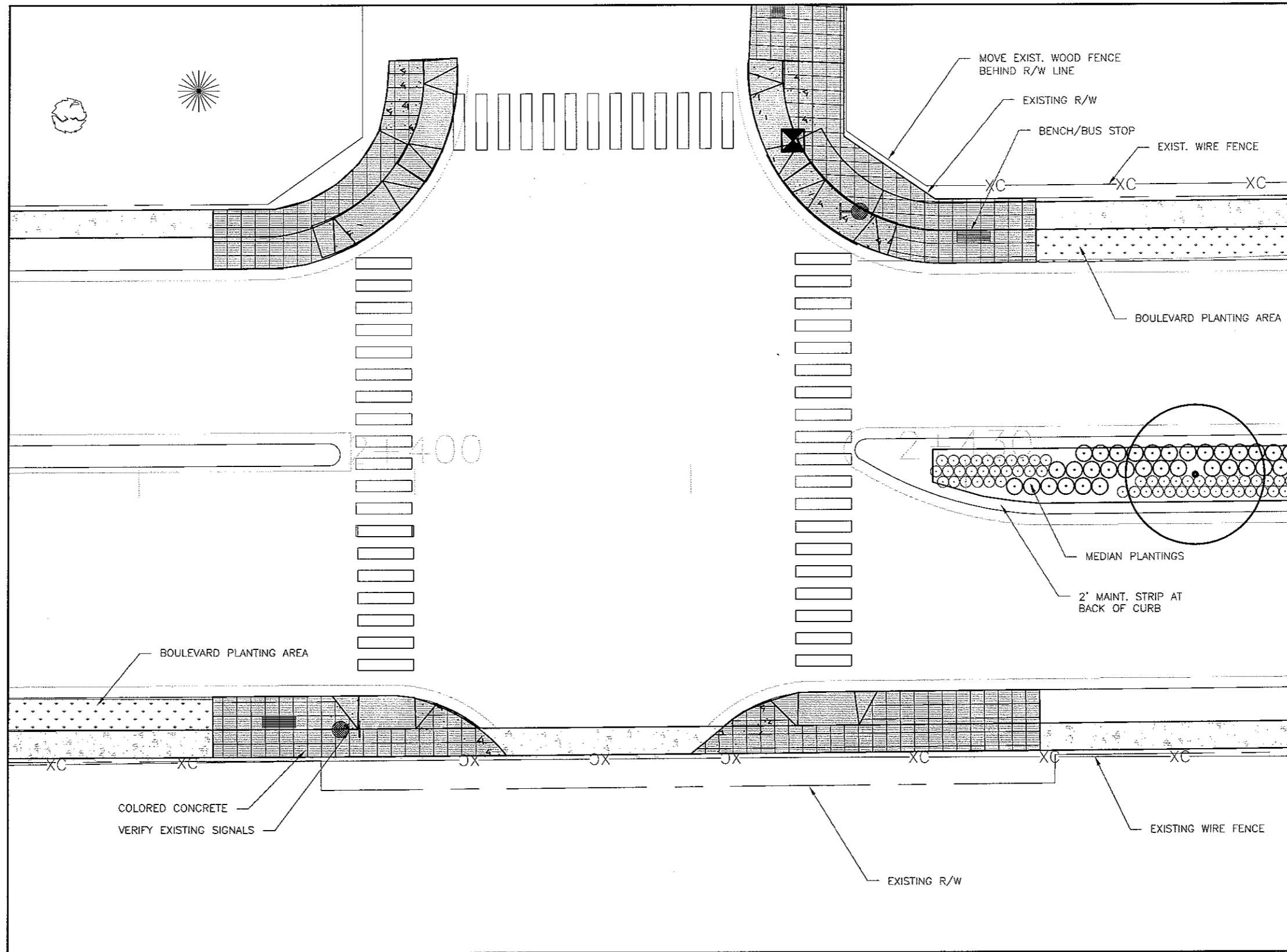
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 COUNTY PROJECT NO. X
 CITY PROJECT NO. X

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 CHECKED BY #CHECKED-1\$
 COMM. NO. XXXXXXX



CITY OF FALCON HEIGHTS
 ENLARGEMENT PLANS
LARPEUR AVENUE STREETSCAPE
 GORTNER AVENUE INTERSECTION

SHEET 21
 OF 40



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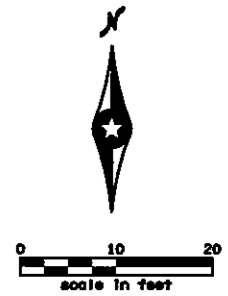
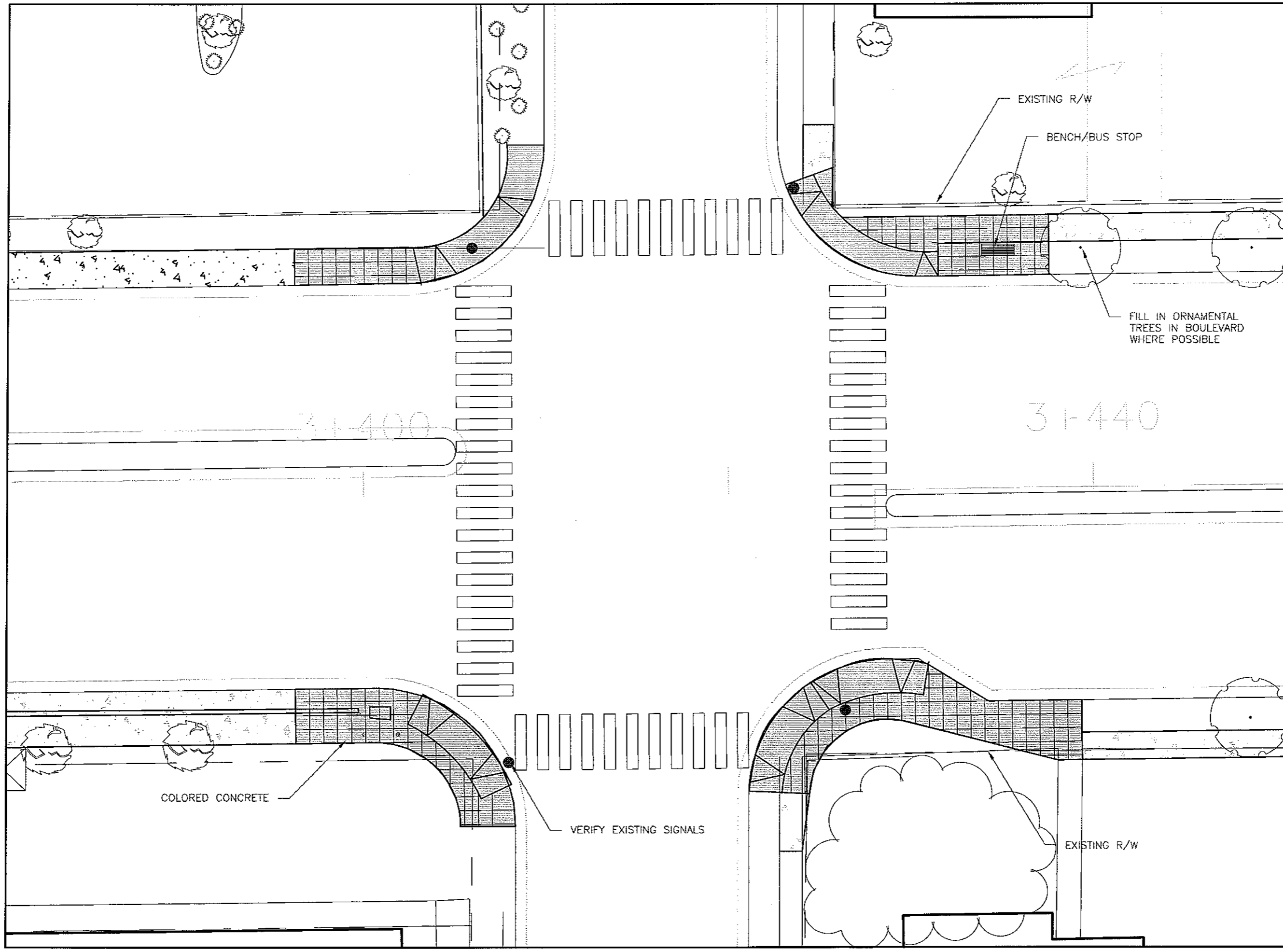
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 Date: _____ License # **SLIC#-1#**

STATE AID PROJECT NO. X	DRAWN BY #DRAWN-1#
STATE PROJECT NO. X	DESIGNED BY #DESIGNED-1#
COUNTY PROJECT NO. X	CHECKED BY #CHECKED-1#
CITY PROJECT NO. X	COMM. NO. XXXXXXX



CITY OF FALCON HEIGHTS
 ENLARGEMENT PLANS
LARPENTEUR AVENUE STREETSCAPE
 FAIRVIEW AVENUE INTERSECTION

SHEET
22
OF
40



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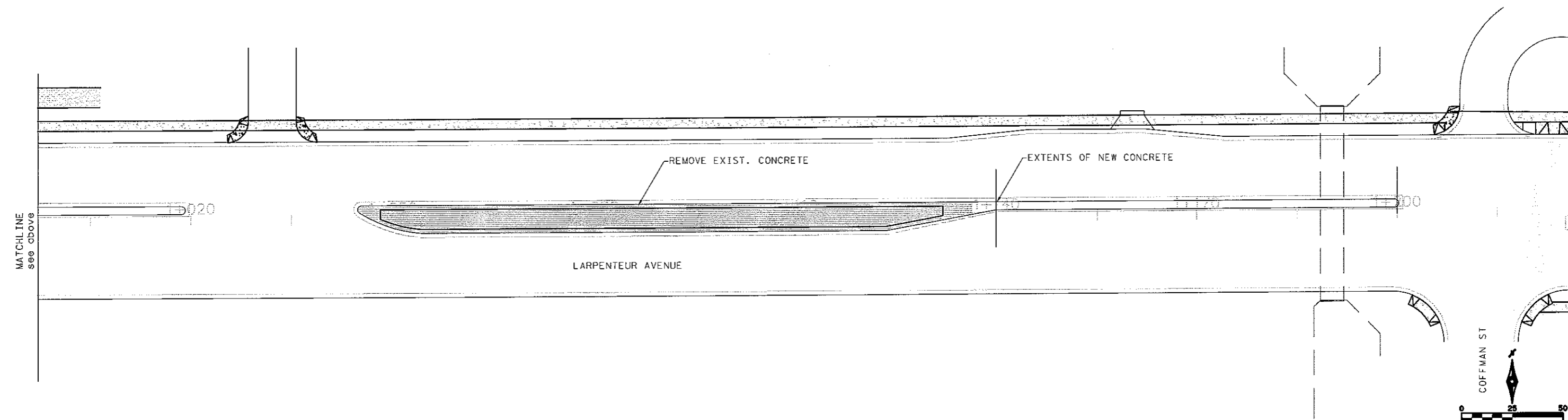
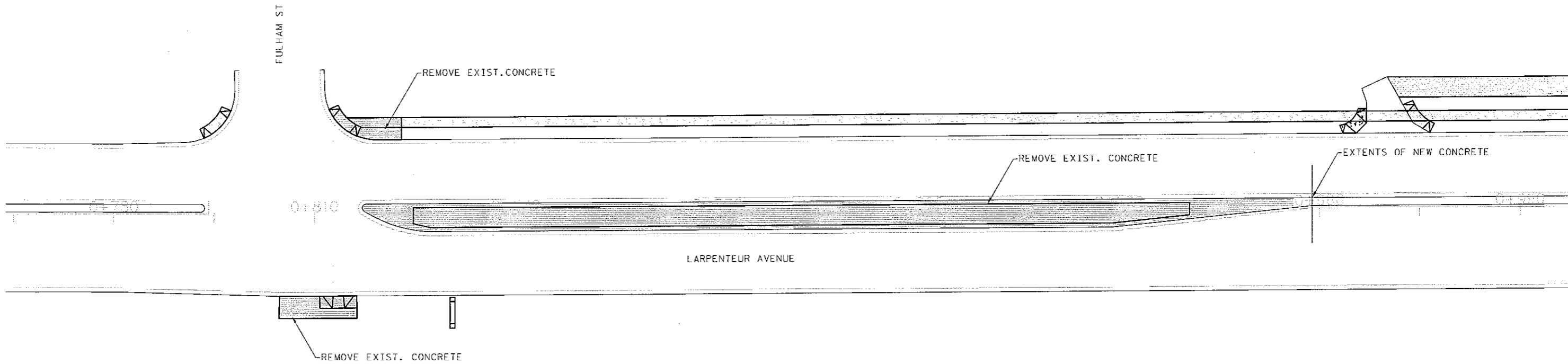
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.
 Print Name: **Michael McGarvey**
 Date: _____ License # **LC#-15**

STATE AID PROJECT NO. X	DRAWN BY \$DRAWN-1\$
STATE PROJECT NO. X	DESIGNED BY \$DESIGNED-1\$
COUNTY PROJECT NO. X	CHECKED BY \$CHECKED-1\$
CITY PROJECT NO. X	COMM. NO. XXXXXX



CITY OF FALCON HEIGHTS
 ENLARGEMENT PLANS
LARPEUR AVENUE STREETScape
 ARONA AVENUE INTERSECTION

SHEET 23
OF 40



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NO	DATE	BY	CHKD	APPR

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 Date: _____ License # SLIC#-1

STATE AID PROJECT NO. X
 STATE PROJECT NO. X
 COUNTY PROJECT NO. X
 CITY PROJECT NO. X

DRAWN BY #DRAWN-1#
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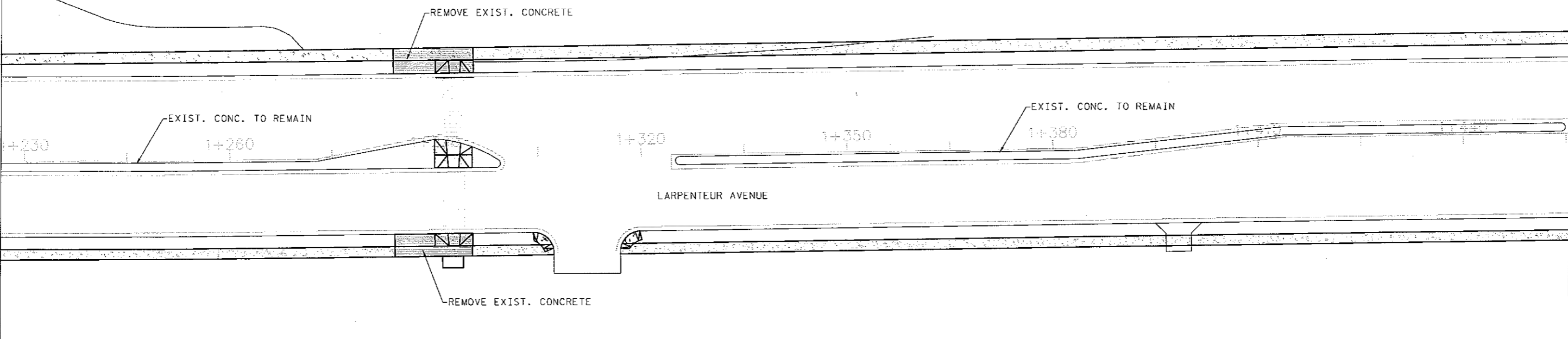


CITY OF FALCON HEIGHTS
 REMOVAL PLAN
LARPENTEUR AVENUE STREETScape
 FULHAM ST. TO COFFMAN ST.

SHEET
24
OF
40

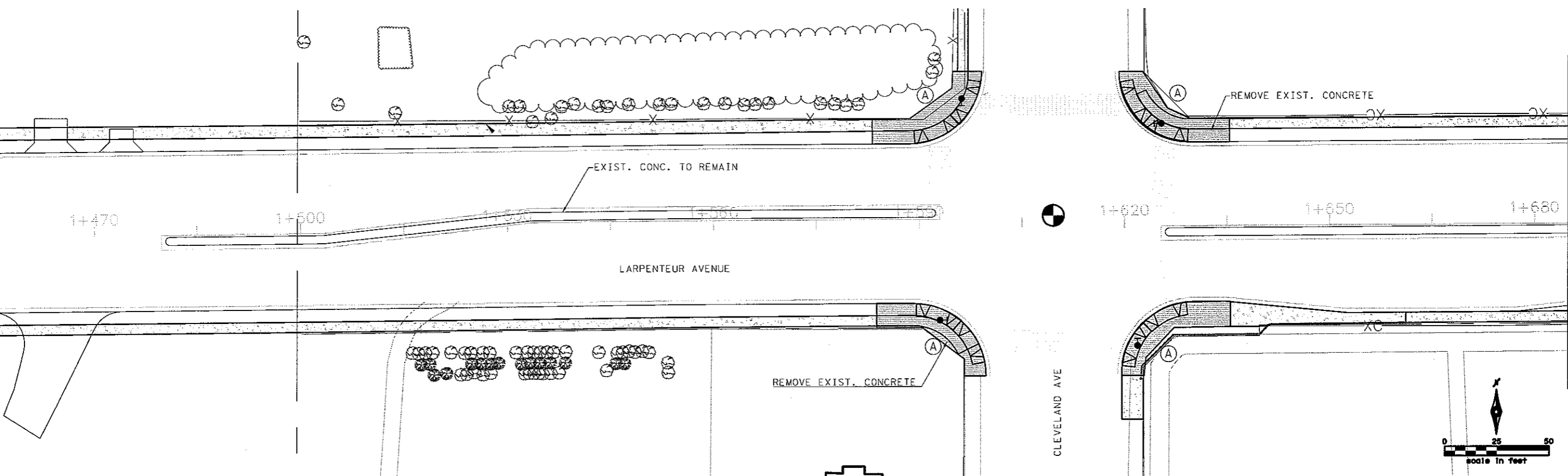
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SEE SHEET 4

MATCHLINE
SEE BELOW



MATCHLINE
SEE ABOVE

MATCHLINE
SEE SHEET 6



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NO	DATE	BY	CHKD	APPR

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Print Name: Michael McGarvey

Date: _____ License # SLIC#-15

STATE AID PROJECT NO. X

STATE PROJECT NO. X

COUNTY PROJECT NO. X

CITY PROJECT NO. X

DRAWN BY SDRAWN-15

DESIGNED BY SDESIGNED-15

CHECKED BY SHECKED-15

COMM. NO. XXXXXXX



CITY OF FALCON HEIGHTS

REMOVAL PLAN

LARPEUR AVENUE STREETSCAPE

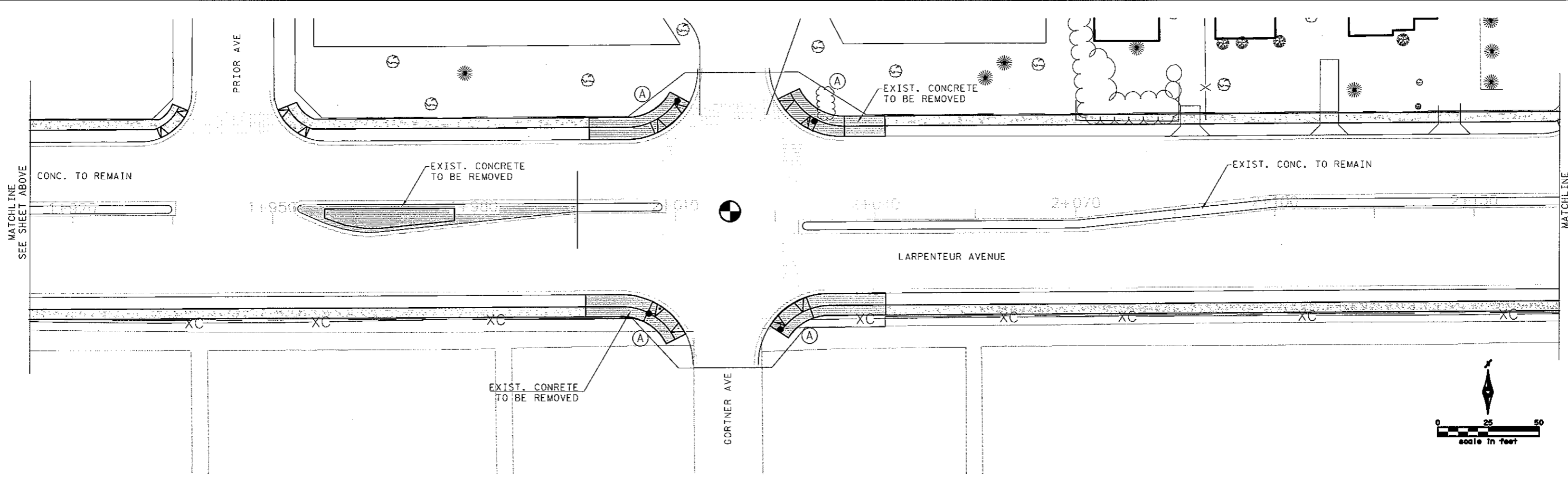
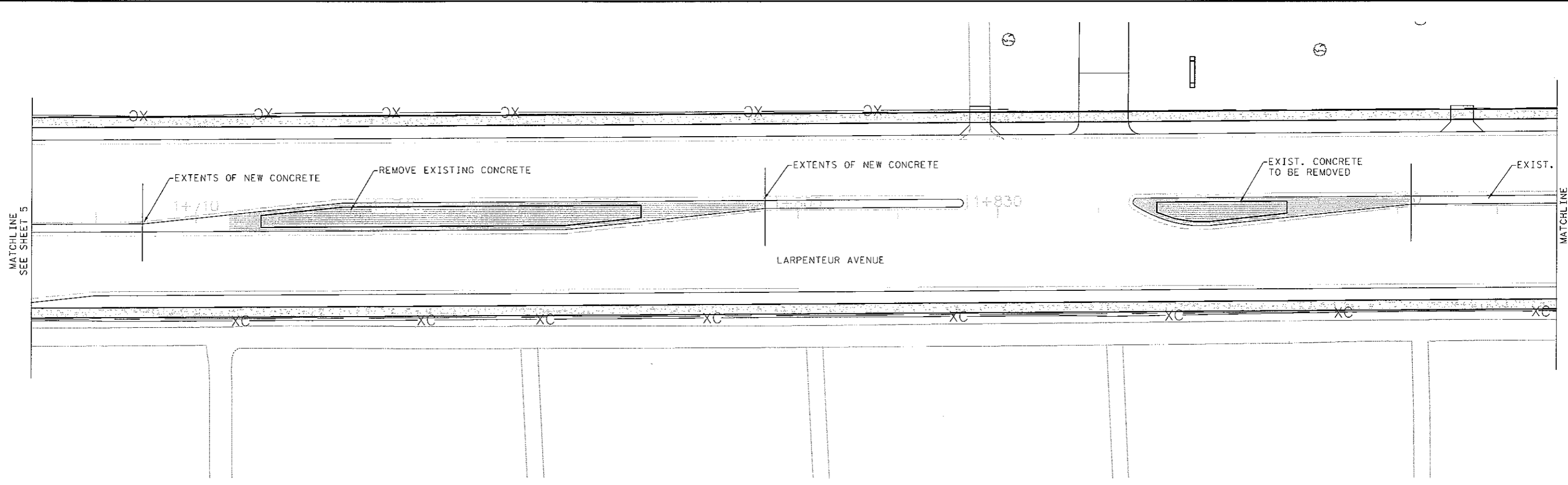
COFFMAN ST. TO CLEVELAND AVE.

SHEET

25

OF

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NO	DATE	BY	CHKD	APPR

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 Date: _____ License # **SLIC#-15**

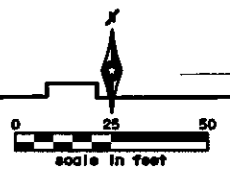
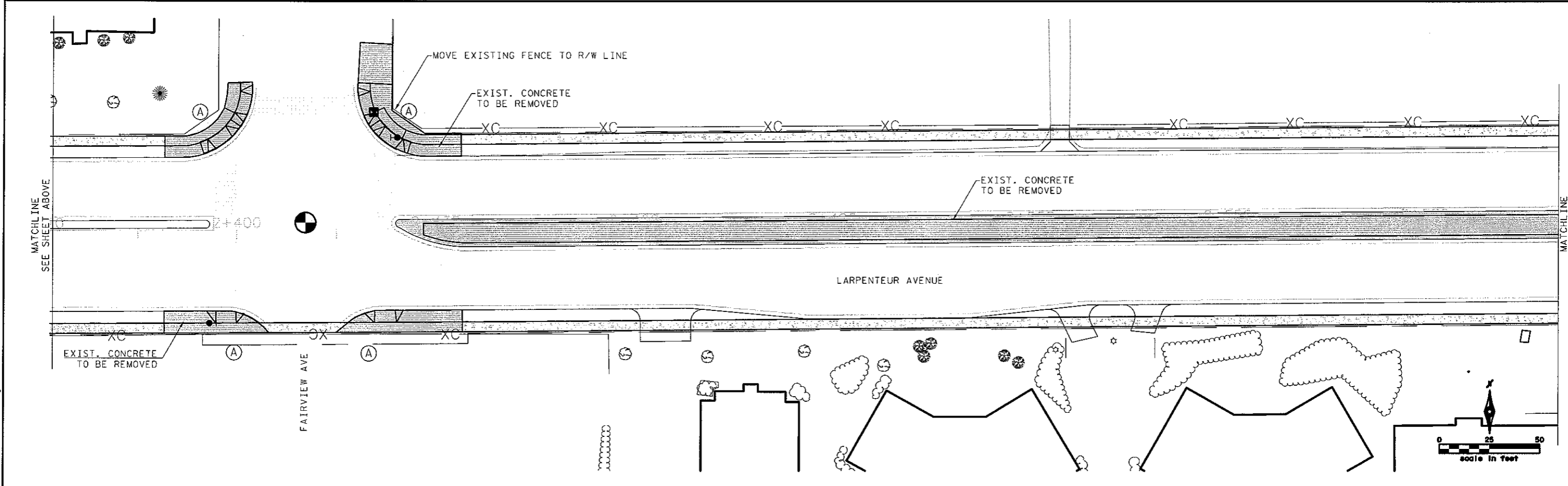
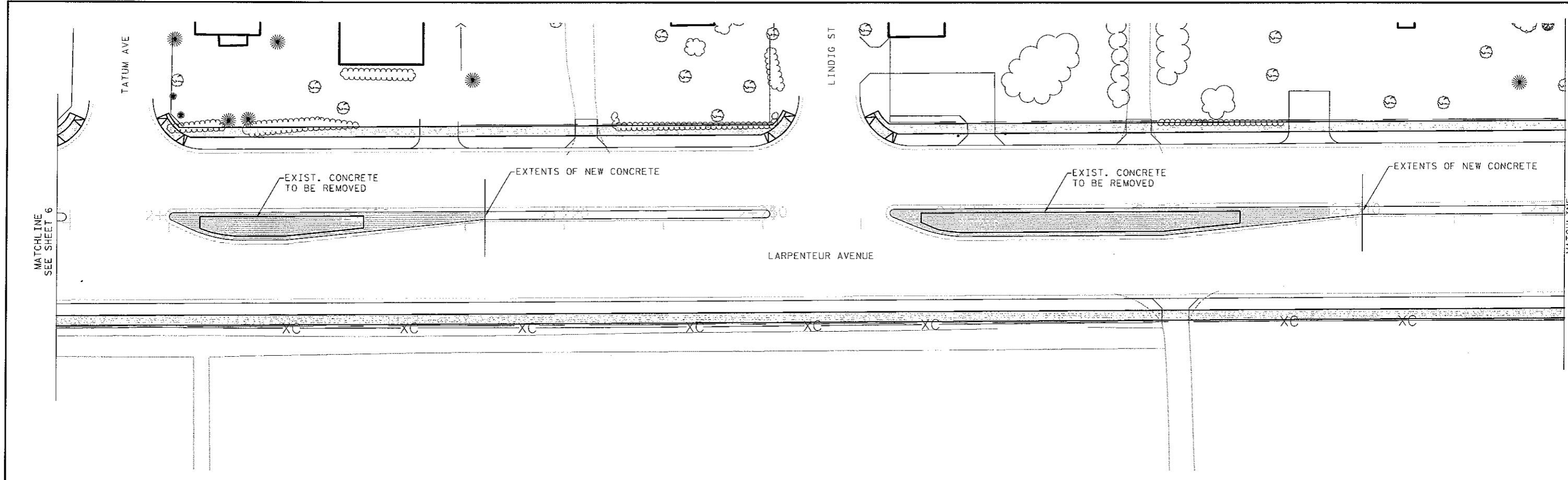
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 CHECKED BY \$CHECKED-1\$
 COMM. NO. XXXXXX



CITY OF FALCON HEIGHTS
 REMOVAL PLAN
LARPENTEUR AVENUE STREETScape
 CLEVELAND AVE. TO TATUM AVE.

SHEET
 26
 OF
 40



12/22/2009 10:51:26 AM
 NICHOLE SCHLEPP
 H:\Projects\6809\LAPlan\6809A_RE01.dwg

NO	DATE	BY	CKD	APPR

H:\Projects\6809\LAPlan\6809A_RE01.dwg

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

Print Name: **Michael McGarvey**

Date: _____ License # **5LIC-15**

STATE AID PROJECT NO. X
 STATE PROJECT NO. X
 COUNTY PROJECT NO. X
 CITY PROJECT NO. X

DRAWN BY \$DRAWN-1\$
 DESIGNED BY \$DESIGNED-1\$
 CHECKED BY \$CHECKED-1\$
 COMM. NO. XXXXXX



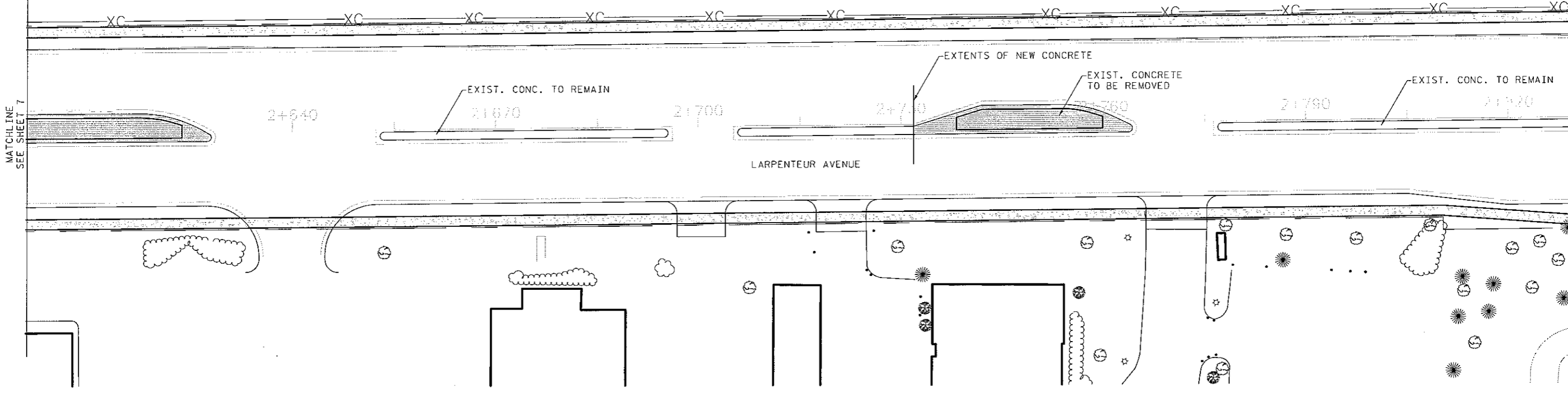
CITY OF FALCON HEIGHTS

REMOVAL PLAN
LARPEUR AVENUE STREETSCAPE
 TATUM AVE. TO EAST OF FAIRVIEW AVE.

SHEET 27 OF 40

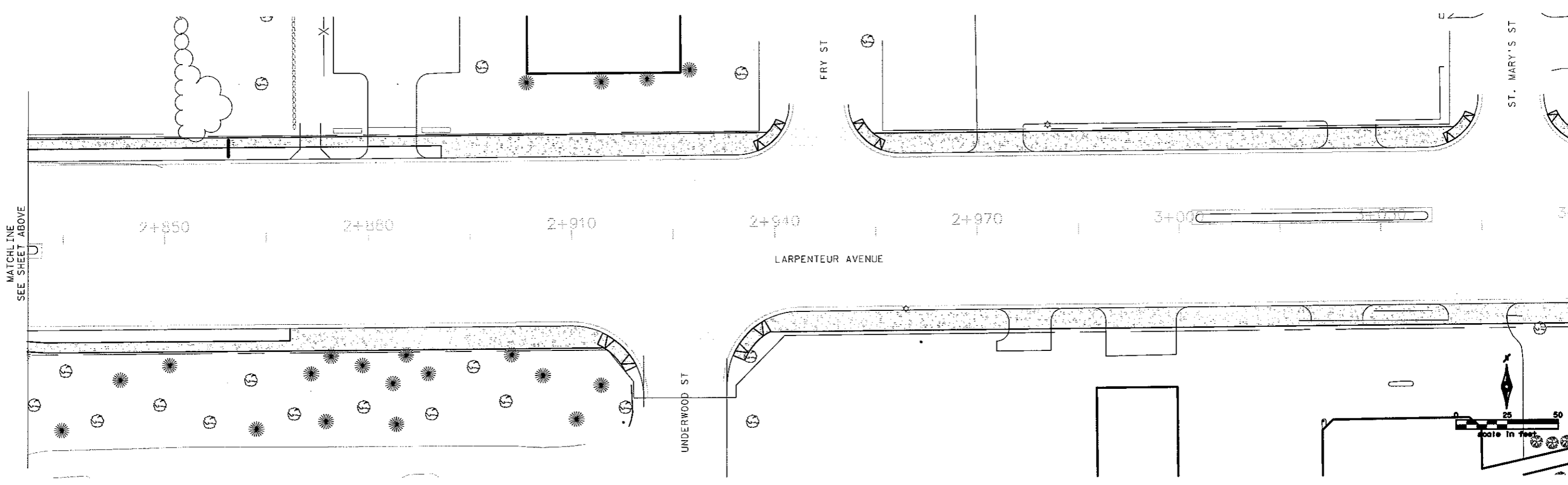
MATCHLINE
SEE SHEET 7

MATCHLINE
SEE SHEET BELOW



MATCHLINE
SEE SHEET ABOVE

MATCHLINE
SEE SHEET 9



12/22/2009 10:51:26 AM
NICHOLE SCHLEPP
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NO	DATE	BY	CHKD	APPR

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 Date: _____ License # 6809A-1

STATE AID PROJECT NO. X
 STATE PROJECT NO. X
 COUNTY PROJECT NO. X
 CITY PROJECT NO. X
 DRAWN BY *DRAWN-1*
 DESIGNED BY *DESIGNED-1*
 CHECKED BY *CHECKED-1*
 COMM. NO. XXXXXXX



CITY OF FALCON HEIGHTS
 REMOVAL PLAN
LARPENUR AVENUE STREETScape
 EAST OF FAIRVIEW AVE. TO ST. MARY'S ST.

SHEET
 28
 OF
 40

12/22/2009 10:51:26 AM
 NICHOLE SCHLEPP
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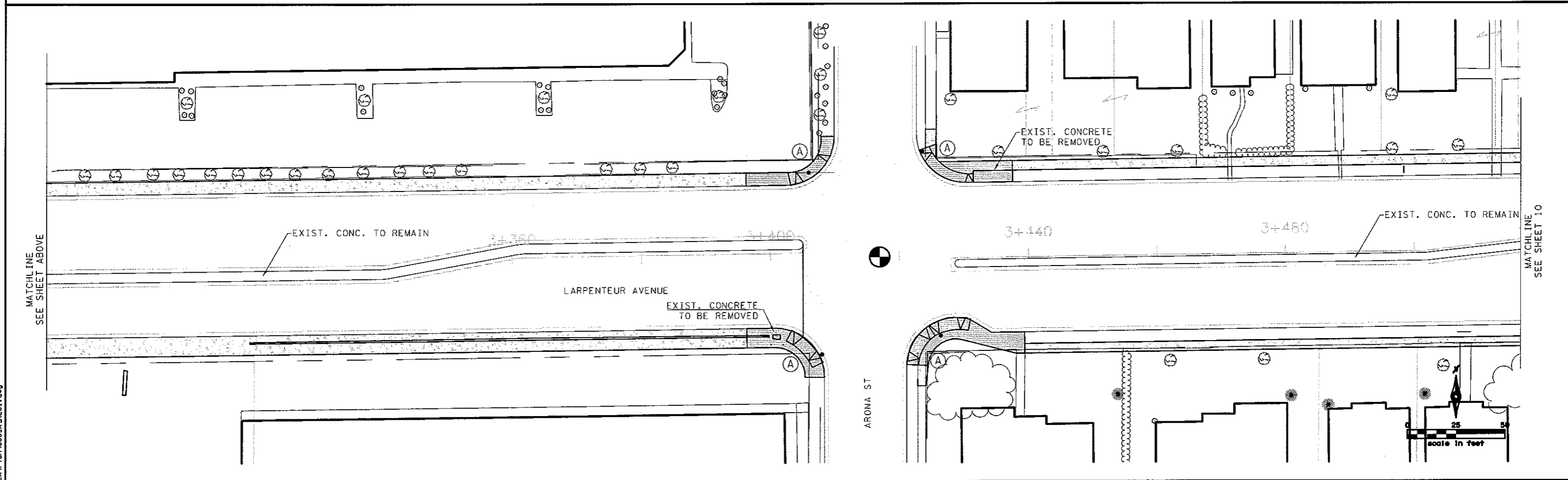
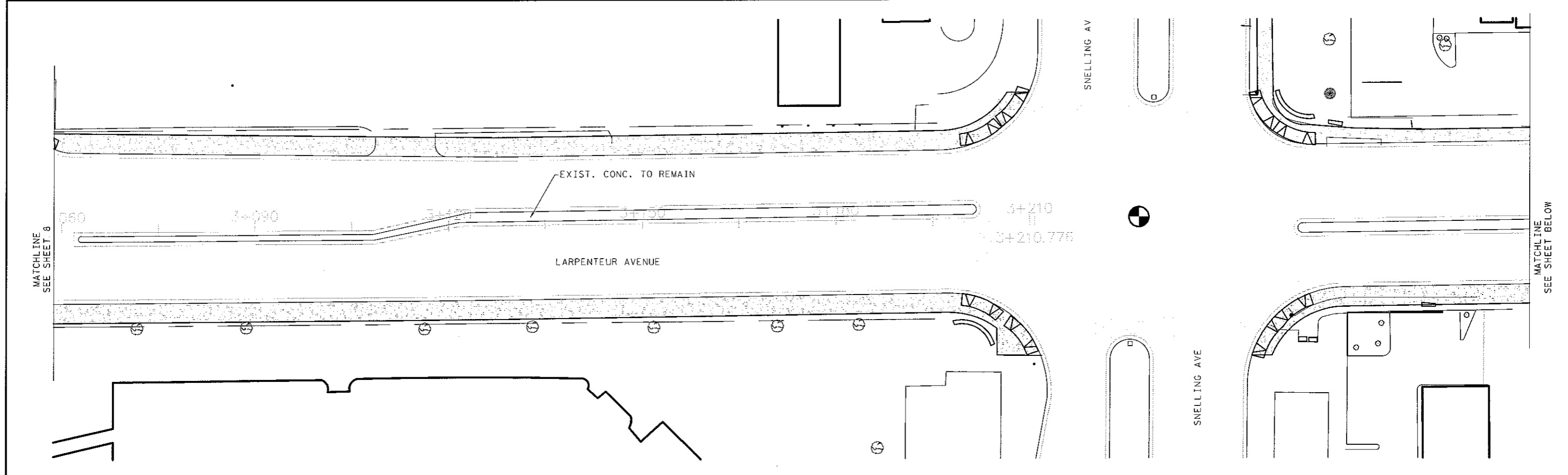
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 STATE PROJECT NO. X
 COUNTY PROJECT NO. X
 CITY PROJECT NO. X

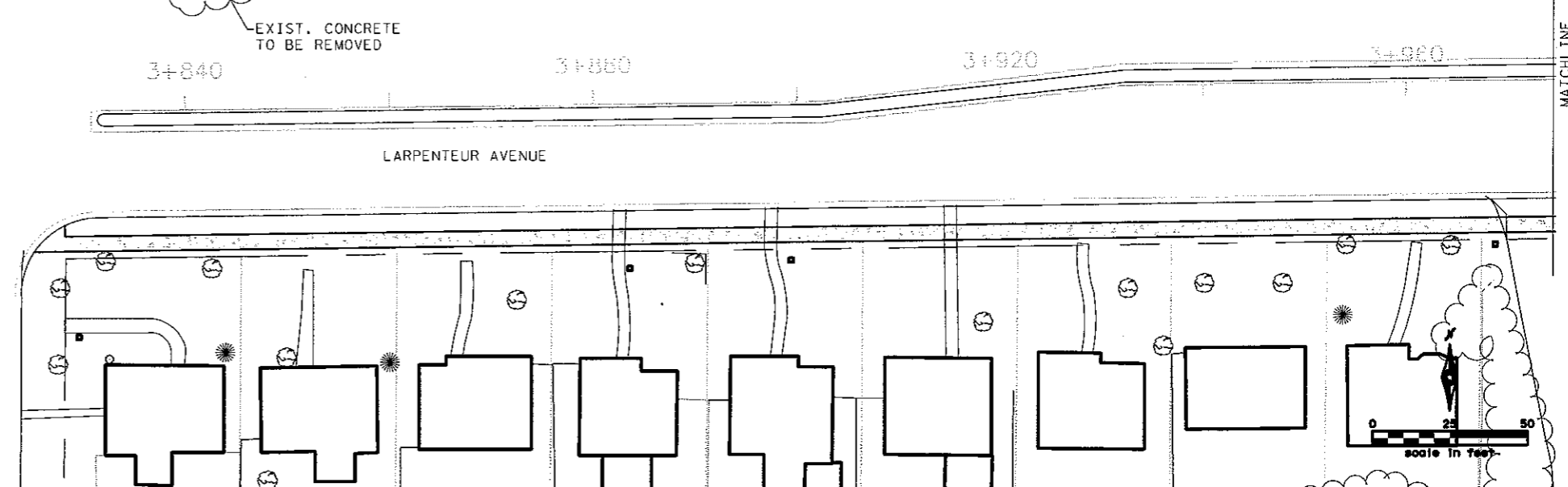
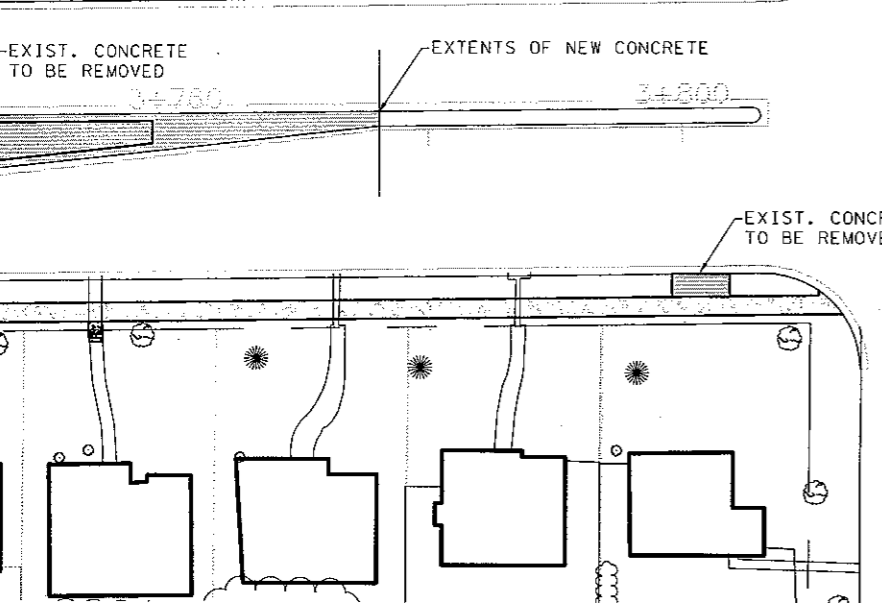
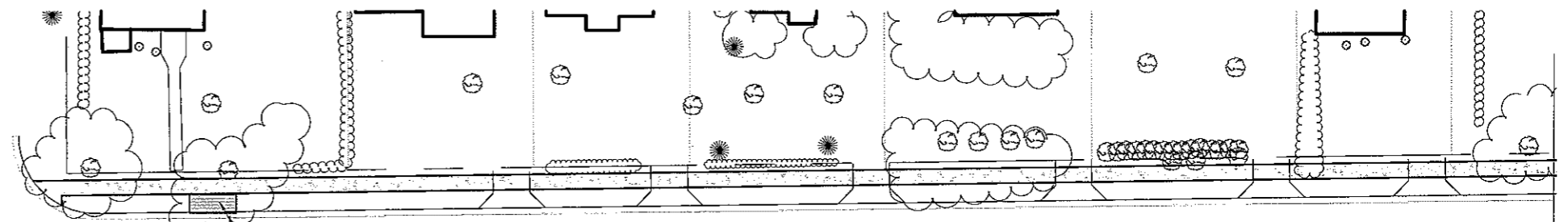
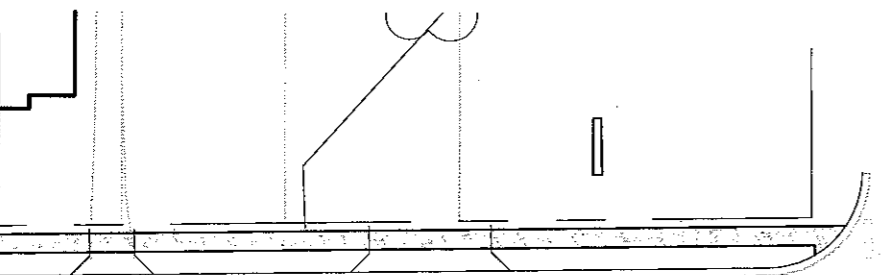
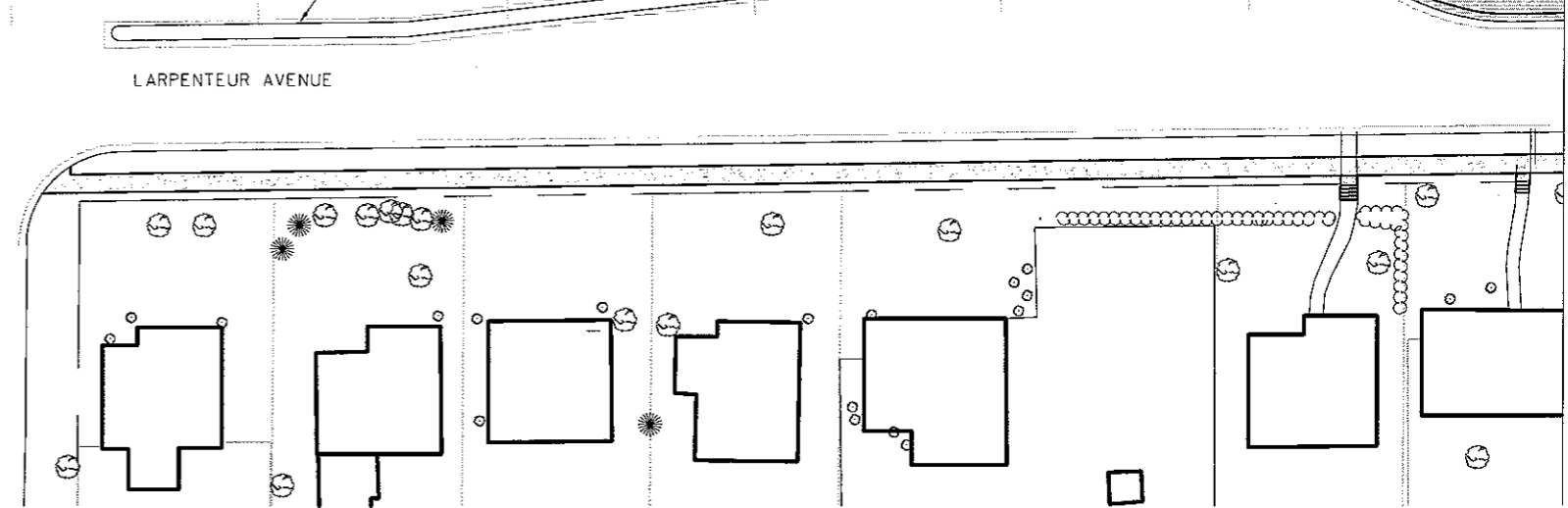
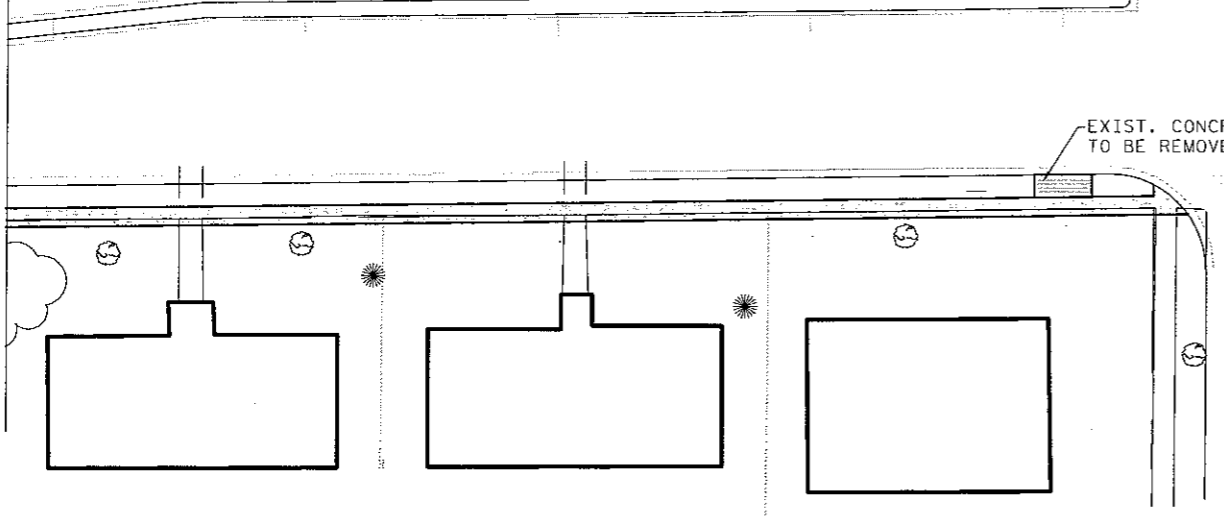
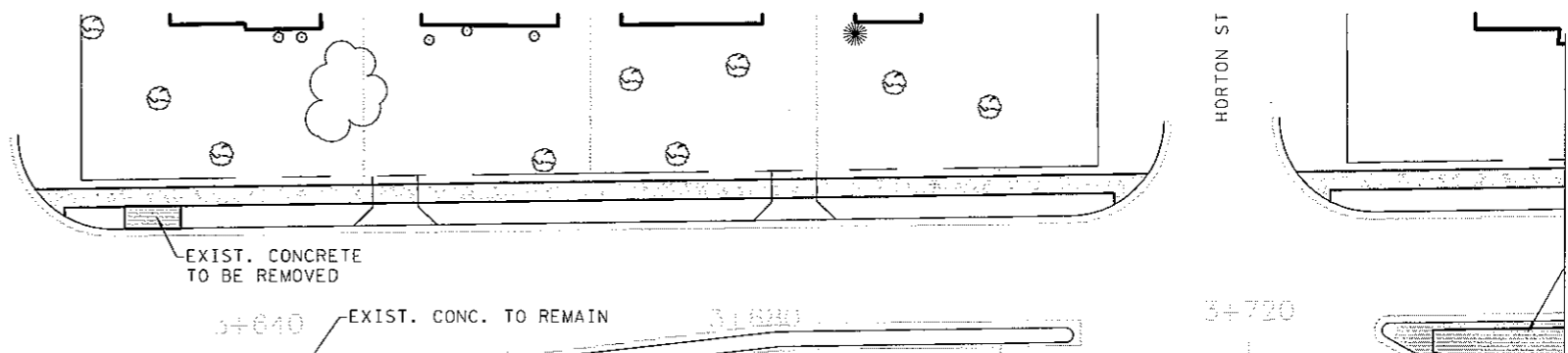
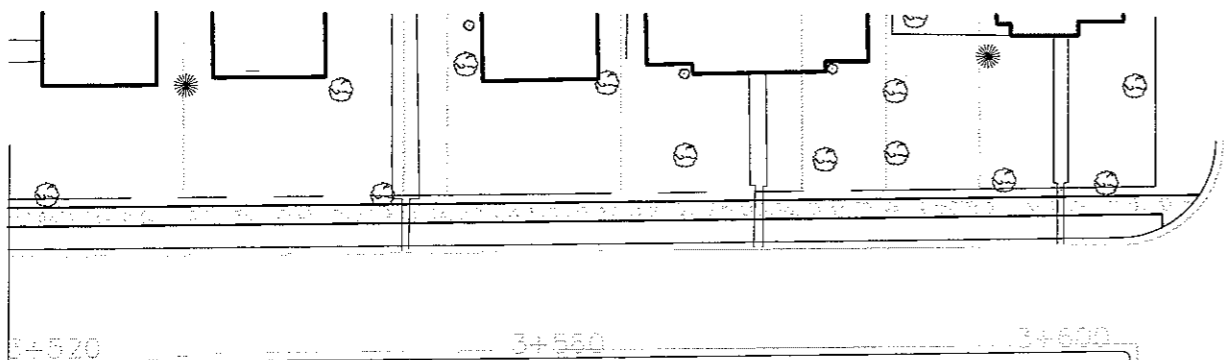
DRAWN BY \$DRAWN-1\$
 DESIGNED BY \$DESIGNED-1\$
 CHECKED BY \$CHECKED-1\$
 COMM. NO. XXXXXXX



CITY OF FALCON HEIGHTS
 REMOVAL PLAN
 LARPEN TEUR AVENUE STREETSCAPE
 ST. MARY'S ST. TO EAST OF ARONA ST.

SHEET 29 OF 40





MATCHLINE
SEE SHEET 9

MATCHLINE
SEE SHEET BELOW

MATCHLINE
SEE SHEET ABOVE

MATCHLINE
SEE SHEET 11

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NO	DATE	BY	CHKD	APPR

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STATE AID PROJECT NO. X
 STATE PROJECT NO. X
 COUNTY PROJECT NO. X
 CITY PROJECT NO. X

DRAWN BY
 \$DRAWN-1\$
 DESIGNED BY
 \$DESIGNED-1\$
 CHECKED BY
 \$CHECKED-1\$
 COMM. NO. XXXXXXX



CITY OF FALCON HEIGHTS
 REMOVAL PLAN
LARPEUTEUR AVENUE STREETScape
 EAST OF ARONA ST. TO HAMLINE AVE.

SHEET
 30
 OF
 40



MATCHLINE
SEE SHEET 10

EXIST. CONC.
TO BE REMOVED

EXIST. CONC.
TO BE REMOVED

HAMLIN AVE

LARPEN TEUR AVENUE

scale in feet
0 25 50

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NICHOLE SCHLEPP
H:\Projects\6809\LAPlan\6809A_RE01.dwg

NO	DATE	BY	CKD	APPR

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Date: _____ License # **LC#-1**

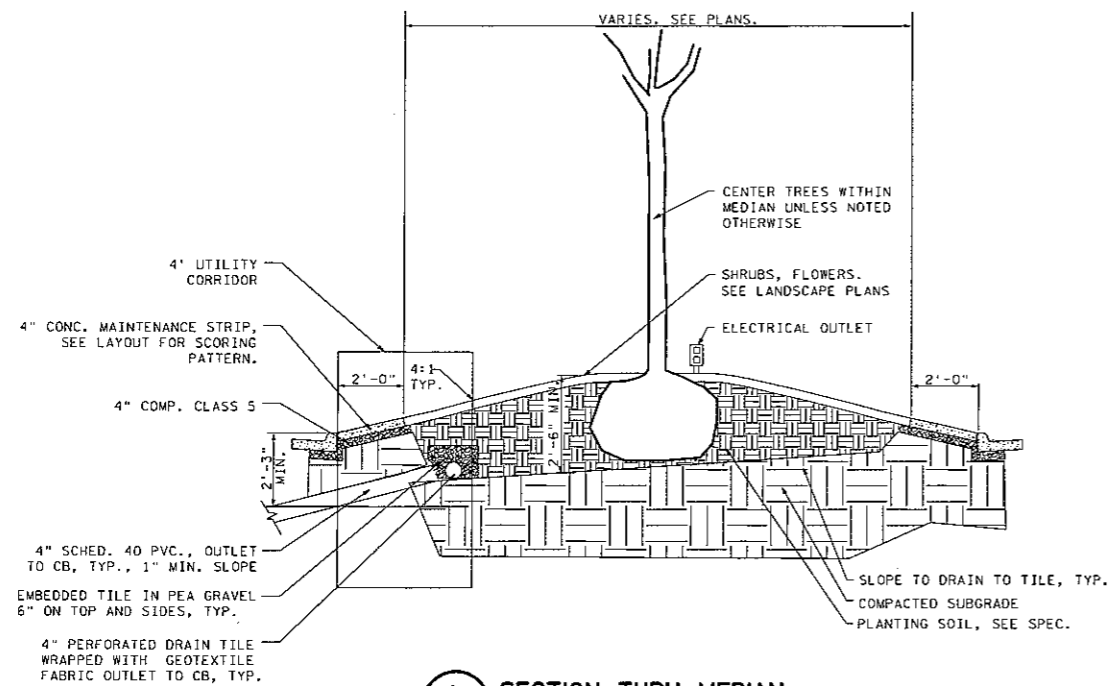
STATE AID PROJECT NO. X
STATE PROJECT NO. X
COUNTY PROJECT NO. X
CITY PROJECT NO. X

DRAWN BY
#DRAWN-1#
DESIGNED BY
#DESIGNED-1#
CHECKED BY
#CHECKED-1#
COMM. NO. XXXXXXX

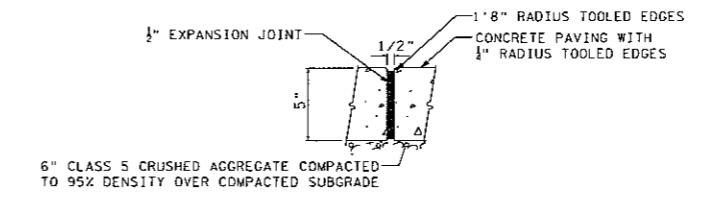


CITY OF FALCON HEIGHTS
REMOVAL PLAN
LARPEN TEUR AVENUE STREETScape
HAMLIN AVE.

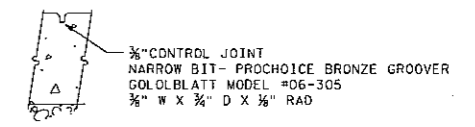
SHEET
31
OF
40



1 SECTION THRU MEDIAN
XXX NO SCALE

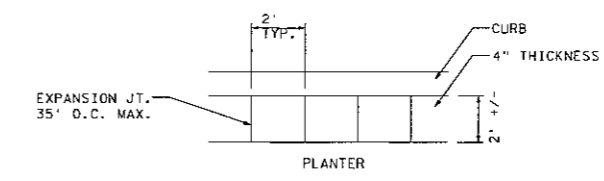


EXPANSION JOINT
NOTE: STIFF BROOM FINISH UNLESS NOTED OTHERWISE

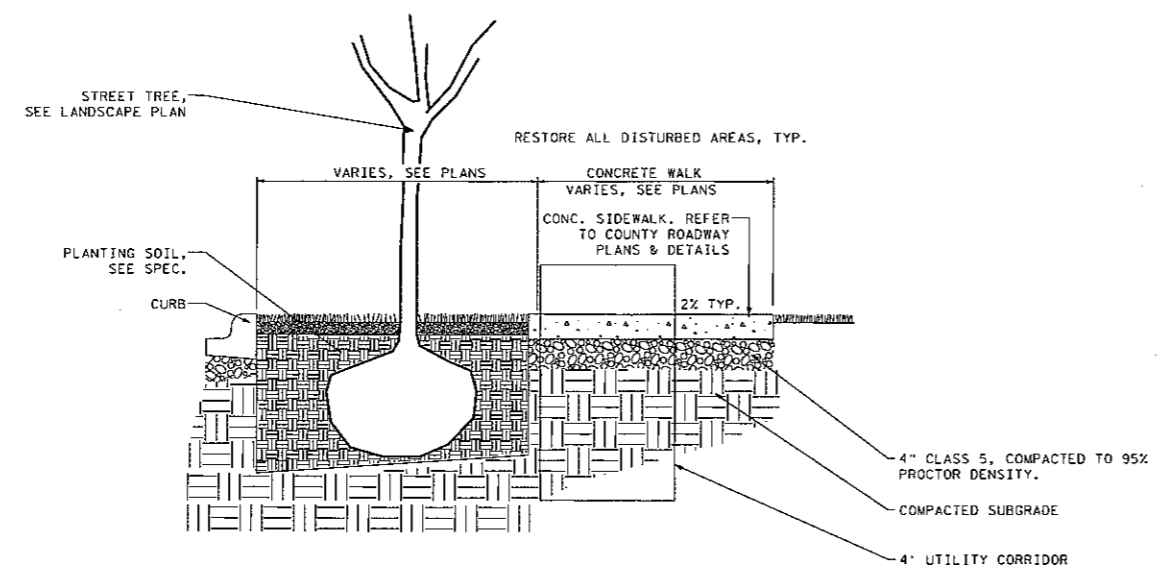


CONTROL JOINT

3 CONCRETE JOINT AND SECTION DETAILS
XXX NO SCALE

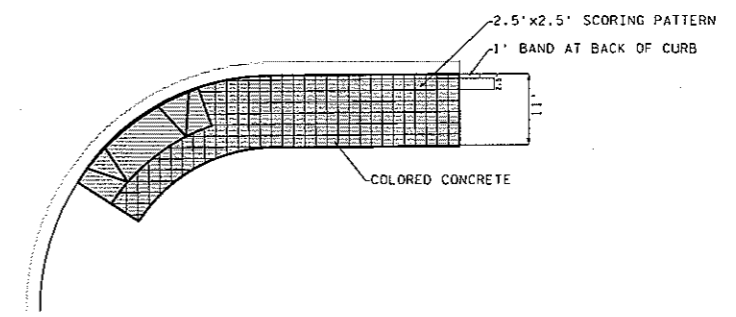


4 TYPICAL 4\"/>XXX NO SCALE



2 SECTION THRU BOULEVARD AND SIDEWALK
XXX NO SCALE

NOTES:
1. WRAP ALL DRAINTILE IN FABRIC SOCK, TYP. WALL AT A MAX. OF 10% FOR 5' ADJACENT TO BACK OF WALL, TYP. SOD OR MULCH TO BE FLUSH WITH TOP OF WALL, TYP.



5 TYPICAL COLORED CONCRETE INTERSECTION DETAIL
XXX NO SCALE

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NO	DATE	BY	CHKD	APPR

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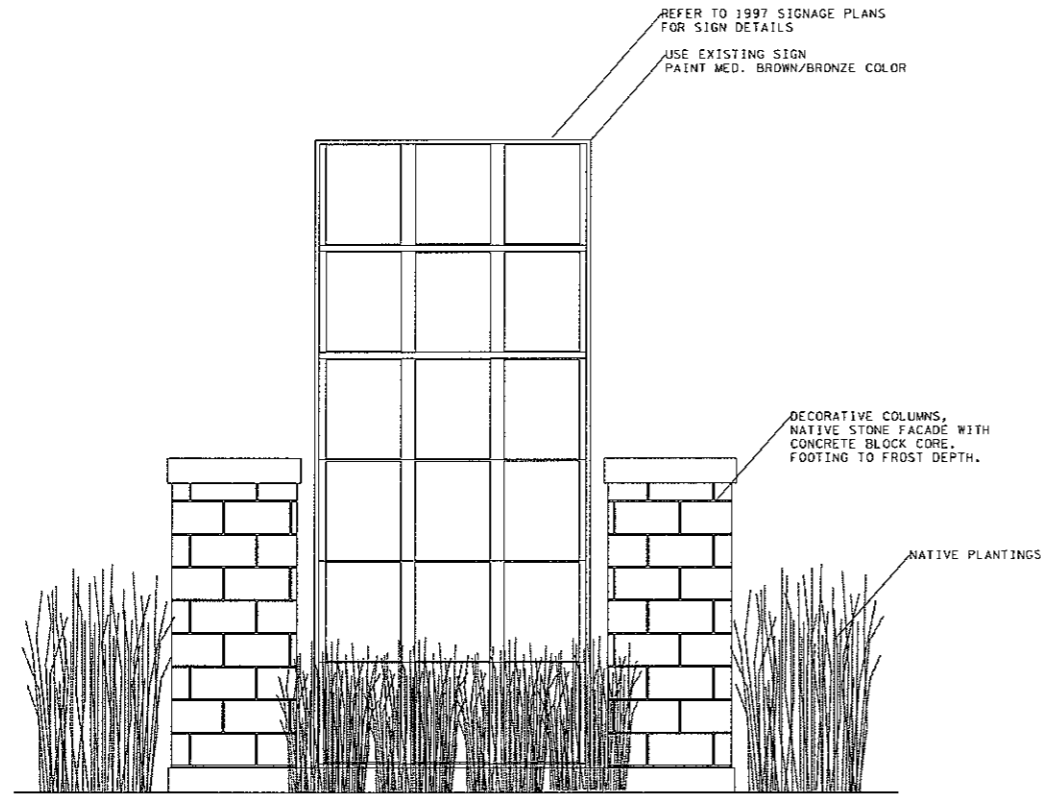
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Print Name: **Michael McGarvey**
Date: _____ License # **\$LIC#-1\$**

STATE AID PROJECT NO. X
STATE PROJECT NO. X
COUNTY PROJECT NO. X
CITY PROJECT NO. X
DRAWN BY \$DRAWN-1\$
DESIGNED BY \$DESIGNED-1\$
CHECKED BY \$CHECKED-1\$
COMM. NO. XXXXXX

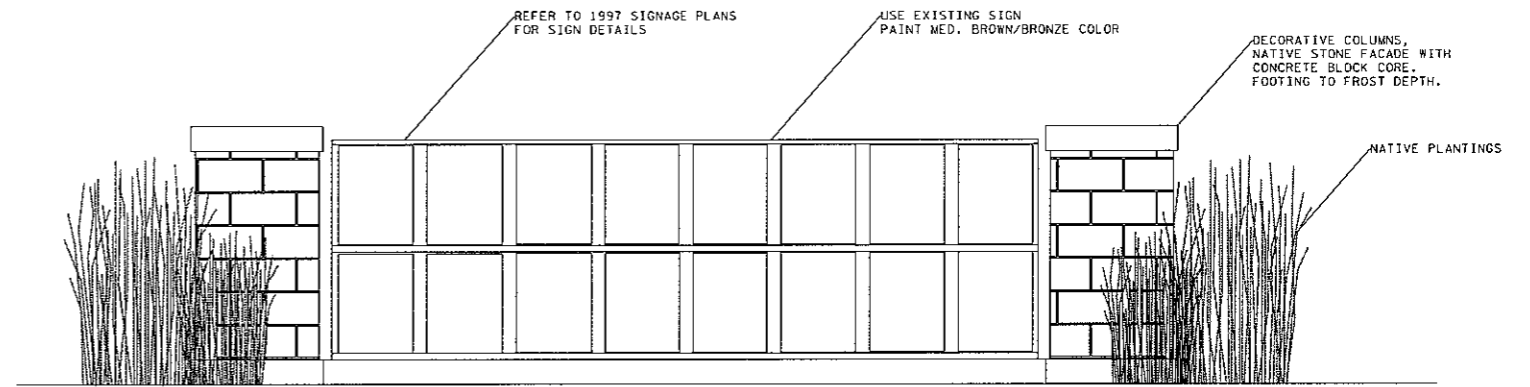


CITY OF FALCON HEIGHTS
SITE DETAILS
LARPENTEUR AVENUE STREETSCAPE

SHEET
32
OF
40



6 TYPICAL VERTICAL GATEWAY MONUMENT
XXX NO SCALE



7 TYPICAL HORIZONTAL GATEWAY MONUMENT
XXX NO SCALE

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NO	DATE	BY	CHKD	APPR

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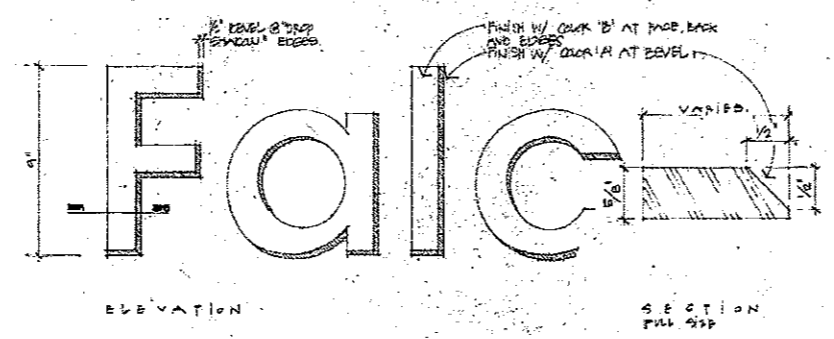
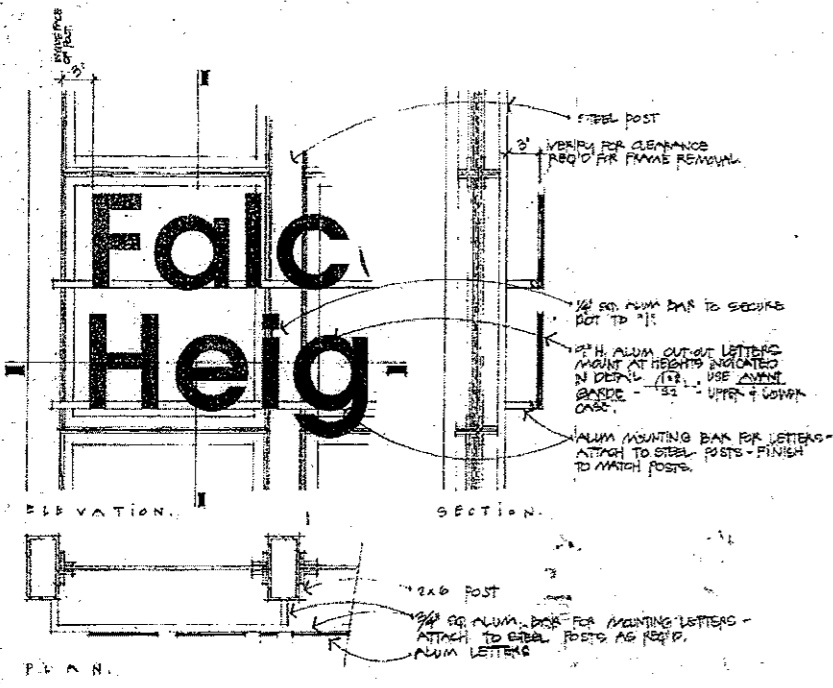
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STATE AID PROJECT NO. X
STATE PROJECT NO. X
COUNTY PROJECT NO. X
CITY PROJECT NO. X
DRAWN BY: **DRAWN-1**
DESIGNED BY: **DESIGNED-1**
CHECKED BY: **CHECKED-1**
COMM. NO. **XXXXXXX**

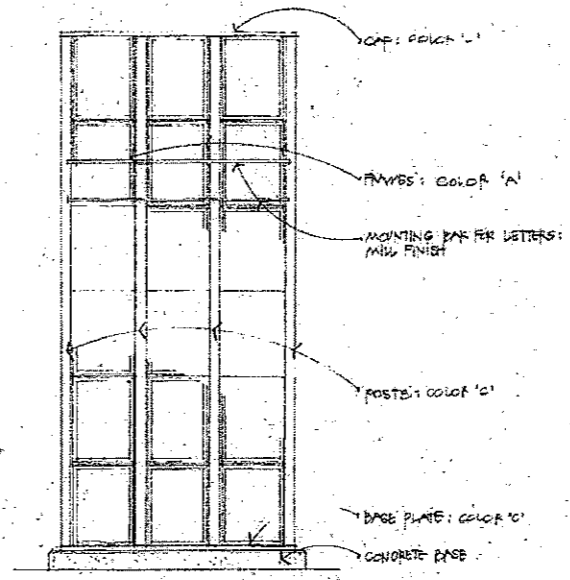


CITY OF FALCON HEIGHTS
SITE DETAILS
LARPENTEUR AVENUE STREETScape

SHEET
33
OF
40



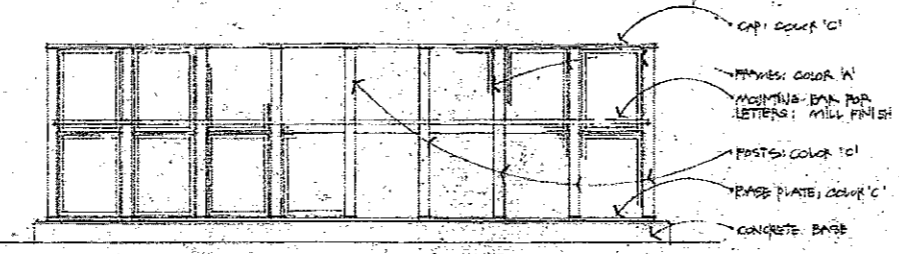
2 DETAIL AT LETTERS
S.3 3/4" = 1'-0"



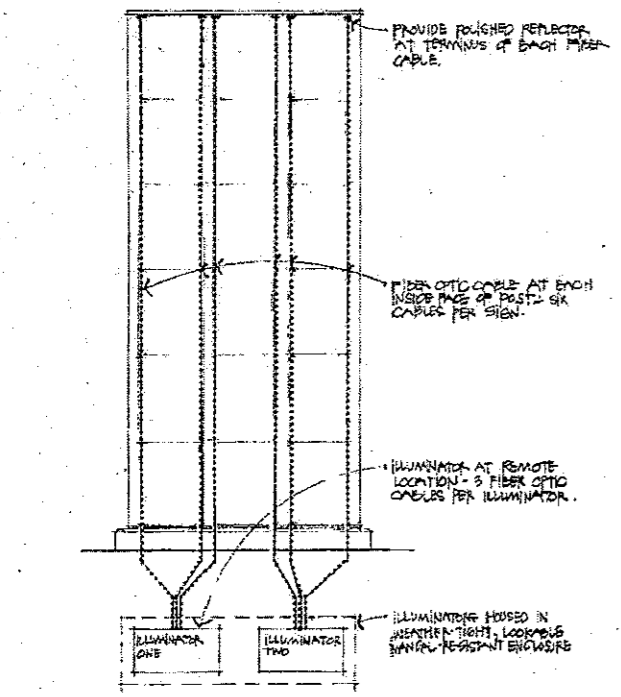
4 SIGN TYPE 'A' FINISH
S.3 1/2" = 1'-0"

SIGN TYPE	SIGN QUANTITY	MESSAGE	REMARKS
A-1	1	Falcon Heights	one line, upper and lower case letters
A-2 through A-5	4	Falcon Heights	two lines, upper and lower case letters
B-1 and B-2	2	Larpenteur and Snelling	one line, upper and lower case letters

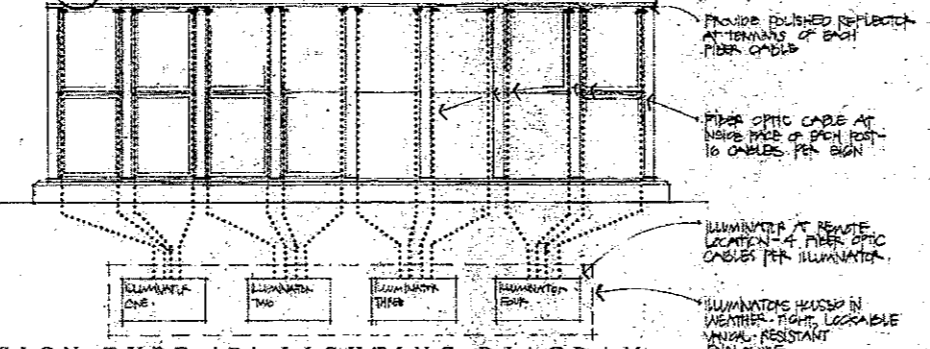
1 DETAIL AT MESSAGE
S.3 1-1/2" = 1'-0"



3 SIGN TYPE 'B' FINISH
S.3 1/2" = 1'-0"



5 SIGN TYPE 'A' LIGHTING DIAGRAM
S.3 1/2" = 1'-0"



6 SIGN TYPE 'B' LIGHTING DIAGRAM
S.3 1/2" = 1'-0"

Sign Type 'A and 'B'
FINISH SCHEDULE

DESIGNATION	FINISH	ELEMENT	REMARKS
Color 'A'	(green)	frames/glass stops, bevel at letters	JD Green #18362 by Iowa Paint or approved equal
Color 'B'	(yellow)	letters	TD Yellow #19004 by Iowa Paint or approved equal
Color 'C'	(gray)	posts, cap, base plate	
MBI Finish	none	mounting bar for letters	

Sign Type 'A and 'B'
LIGHTING SCHEDULE

LIGHT SOURCE	FIBER OPTICS	ACCESSORIES
OC4000 Commercial Metal Halide Illuminator	SB3000, 1/2"	OCISU "U" channel polycarbonate extrusion, white, for mounting fiber optic cable

Fiber optic lighting products shall be as manufactured by:
Optical Cable Corporation
4901 Keller Springs, Suite 111
Dallas, Texas 75248
Telephone: 214/732-9318
or an approved equal.

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NO	DATE	BY	CHK	APPR

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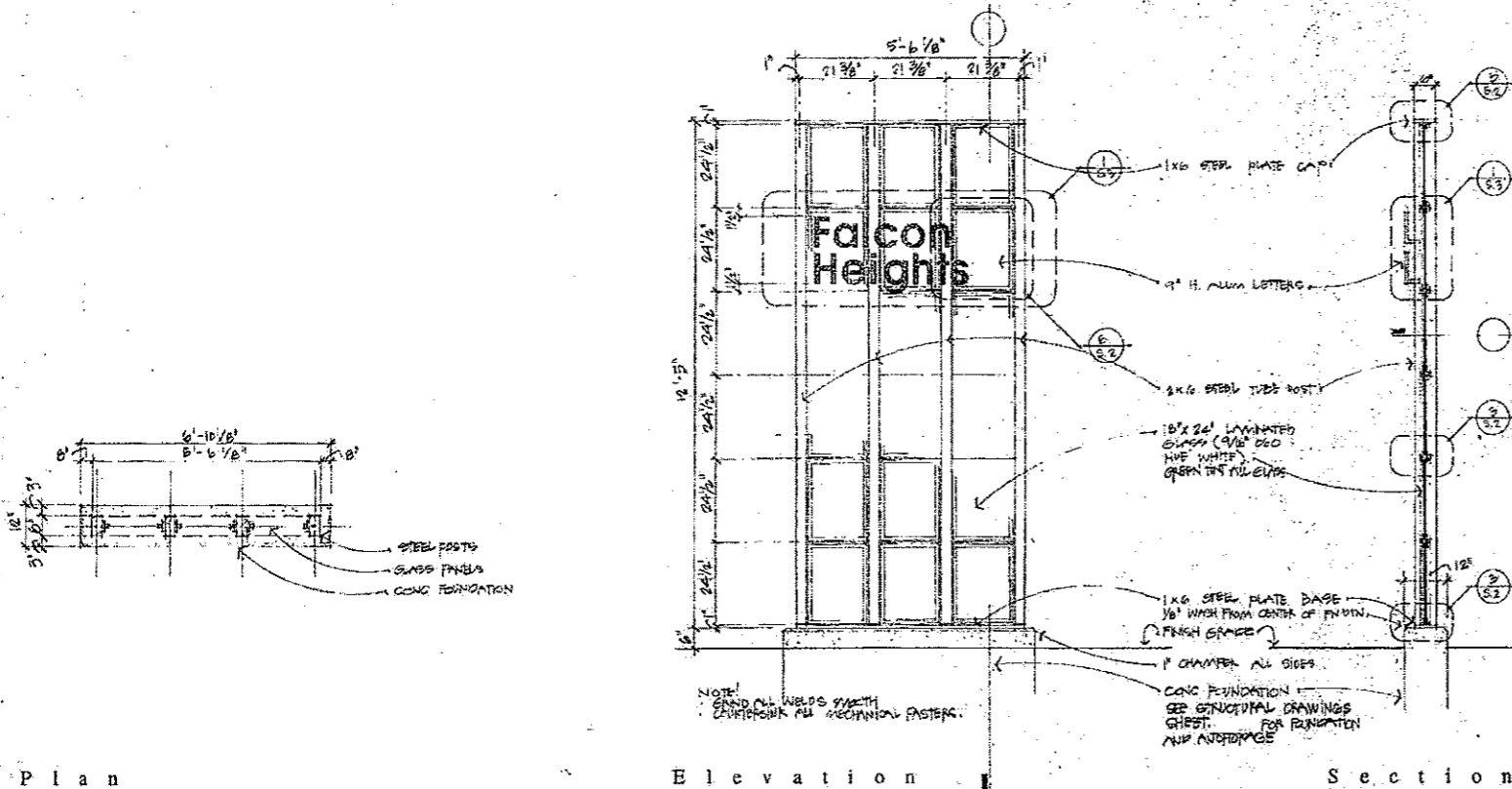
Date: _____ License #: LIC#-1\$

STATE AID PROJECT NO.	X	DRAWN BY	0DRAWN-1\$
STATE PROJECT NO.	X	DESIGNED BY	0DESIGNED-1\$
COUNTY PROJECT NO.	X	CHECKED BY	0CHECKED-1\$
CITY PROJECT NO.	X	COMM. NO.	0XXXXXX



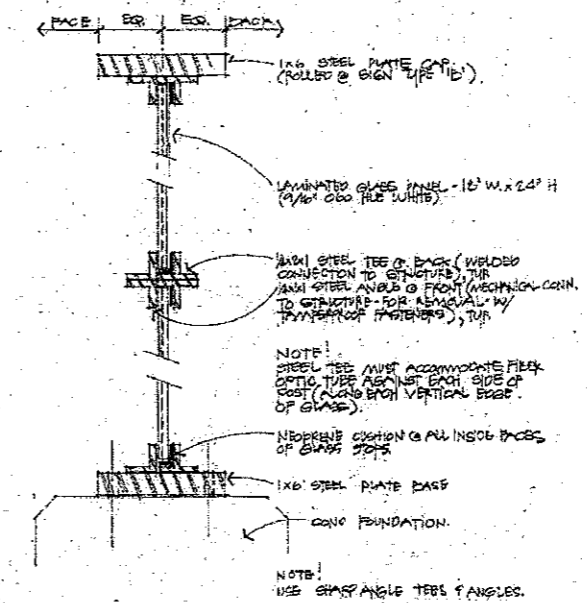
CITY OF FALCON HEIGHTS
1997 SIGNAGE DETAILS
LARPENTEUR AVENUE STREETSCAPE
FOR REFERENCE ONLY

SHEET
34
OF
40

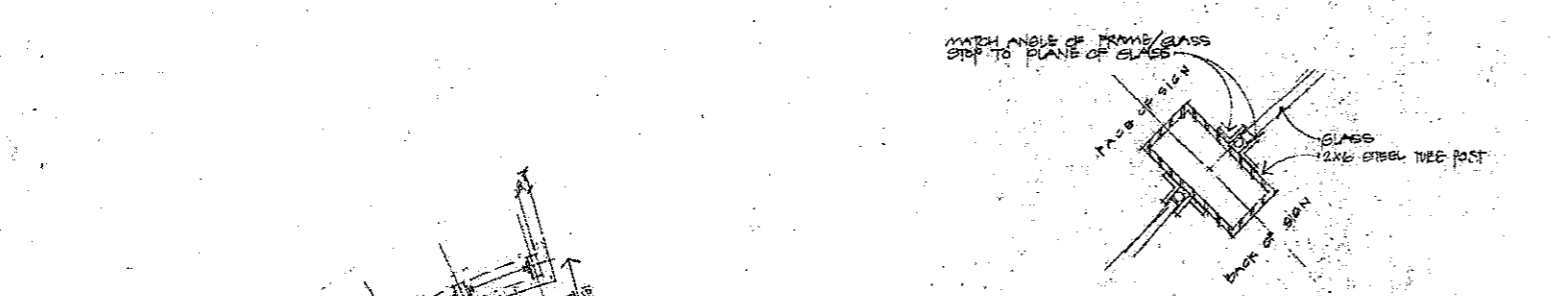


Plan Elevation Section

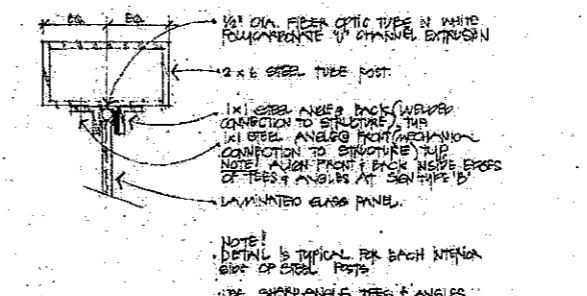
1 SIGN TYPE 'A'
S.2 1/2" = 1'-0"



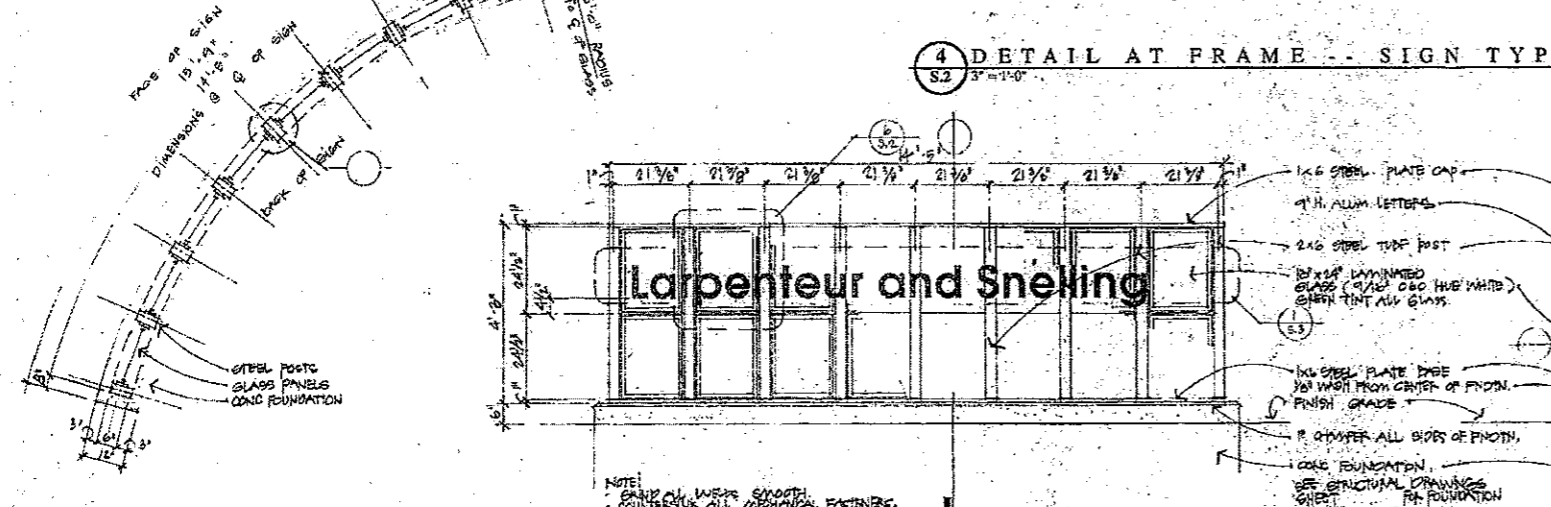
3 DETAIL SECTION AT FRAME
S.2 3" = 1'-0"



4 DETAIL AT FRAME -- SIGN TYPE 'B'
S.2 3" = 1'-0"

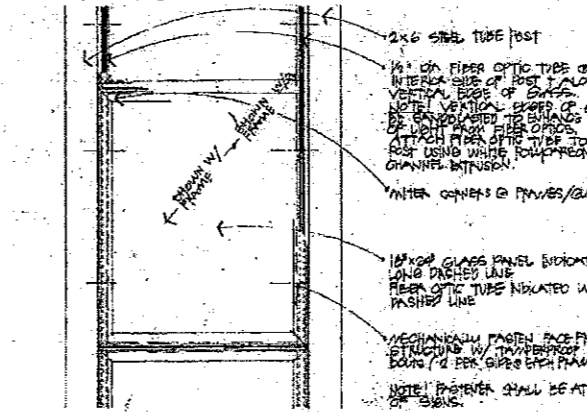


5 DETAIL PLAN AT POST/FRAME
S.2 3" = 1'-0"



Plan "Radial" Elevation Section

2 SIGN TYPE 'B'
S.2 1/2" = 1'-0"



6 DETAIL ELEVATION AT FRAME
S.2 1-1/2" = 1'-0"

12/22/2009 8:41:00 AM
12/22/2009 8:41:00 AM
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NO	DATE	BY	CHKD	APPR

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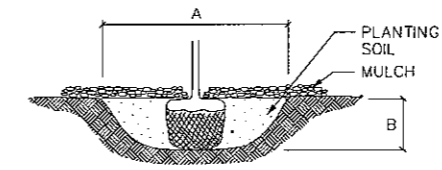
STATE AID PROJECT NO. X
DRAWN BY \$DRAWN-1\$
DESIGNED BY \$DESIGNED-1\$
CHECKED BY \$CHECKED-1\$
CHECKED BY \$CHECKED-1\$
COMM. NO. XXXXXXXX

SRF CONSULTING GROUP, INC.

CITY OF FALCON HEIGHTS
1997 SIGNAGE DETAILS
LARPENTEUR AVENUE STREETSCAPE
FOR REFERENCE ONLY

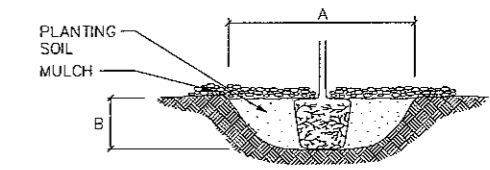
SHEET 35 OF 40

PLANTING HOLE DIMENSIONS				PLANTING HOLE DIMENSIONS			
HOLE DEPTH FOR B&B AND CONTAINER PLANTS SHALL NOT EXCEED MEASUREMENT FROM ROOT FLAIR TO BOTTOM OF SOIL BALL.				HOLE DEPTH FOR B&B AND CONTAINER PLANTS SHALL NOT EXCEED MEASUREMENT FROM ROOT FLAIR TO BOTTOM OF SOIL BALL.			
PLANT TYPE	PLANT SIZE UP TO AND INCLUDING	(A) MINIMUM HOLE WIDTH	(B) APPROXIMATE HOLE DEPTH (2)	PLANT TYPE	PLANT SIZE UP TO AND INCLUDING	(A) MINIMUM HOLE WIDTH	(B) APPROXIMATE HOLE DEPTH (2)
DECIDUOUS & ORNAMENTAL TREES	(3') B.R.	(46")	(13")	CONIFEROUS TREES AT LEAST 2/3 OF ALL CONIFER BRANCHES WILL CONTAIN TERMINAL BUDS	(2') B.B.	(36")	(10")
	(4') B.R.	(46")	(14")		(3') B.B.	(42")	(11")
	(5') B.R.	(48")	(14")		(4') B.B.	(51")	(13")
	(6') B.R.	(54")	(15")		(5') B.B.	(60")	(13")
	(7') B.R.	(60")	(16")		(6') B.B.	(66")	(15")
	(8') B.R.	(66")	(19")		(7') B.B.	(72")	(16")
	(0.75") B.R.	(48")	(12")		(8') B.B.	(81")	(18")
	(1") B.R.	(54")	(14")		(9') B.B.	(90")	(20")
	(1.25") B.R.	(60")	(14")		(10') B.B.	(102")	(21")
	(1.5") B.R.	(66")	(15")		(12') B.B.	(114")	(24")
	(1.75") B.R.	(72")	(16")	(18") B.B.	(24")	(7")	
	(2") B.R.	(84")	(19")	(3') B.B.	(48")	(12")	
	(4') B.B.	(42")	(11")	CONIFEROUS SHRUBS (UPRIGHT)	(18") SPR B.B.	(30")	(8")
	(5') B.B.	(48")	(12")	CONIFEROUS SHRUBS (SPREADING)	(2') SPR B.B.	(36")	(9")
	(6') B.B.	(54")	(14")	CONTAINER GROWN PLANTS	CELLPACKS / PLUGS	(6")	(2.5")
	(8') B.B.	(56")	(16")		(2.25") CONT.	(7")	(3")
	(10') B.B.	(66")	(16")		(3.5") CONT.	(10")	(3")
	(12') B.B.	(66")	(16")		(4") CONT.	(11")	(4")
	(1") B.B.	(48")	(14")		(4.5") CONT.	(13")	(4")
	(1.25") B.B.	(56")	(15")		(6" / 1 QT.) CONT.	(15")	(5.5")
	(1.5") B.B.	(61")	(15")		(#1) CONT.	(18")	(6")
	(1.75") B.B.	(66")	(16")		(#2) CONT.	(23")	(7.5")
	(2") B.B.	(72")	(16")		(#3) CONT.	(29")	(8.5")
	(2.5") B.B.	(84")	(19")		(#5) CONT.	(30")	(11")
(3") B.B.	(96")	(20")	(#7) CONT.	(37")	(11")		
(3.5") B.B.	(114")	(23")	(#15) CONT.	(44")	(14")		
(4") B.B.	(126")	(25")	(#10) CONT.	(45")	(15")		
(12") B.R.	(24")	(7")	(#20) CONT.	(60")	(16")		
(15") B.R.	(28")	(8")	(#25) CONT.	(72")	(17")		
(18") B.R.	(30")	(8")	(6") SEEDLING	(15")	(14")		
(2") B.R.	(33")	(9")	(9") SEEDLING	(18")	(14")		
(3") B.R.	(42")	(11")	(12") SEEDLING	(23")	(16")		
(4") B.R.	(48")	(12")	(18") SEEDLING	(30")	(16")		
(5") B.R.	(54")	(14")	(2") SEEDLING	(36")	(18")		
(6") B.R.	(60")	(14")	1 YR. MED. B.R.	(15")	(11")		
(18") B.B.	(27")	(7")	1 YR. NO. 1 B.R.	(17")	(14")		
(2") B.B.	(30")	(8")	2 YR. MED. B.R.	(33")	(12")		
(3") B.B.	(36")	(9")	2 YR. NO. 1 B.R.	(42")	(15")		
(4") B.B.	(42")	(11")					
(5") B.B.	(48")	(12")					
(6") B.B.	(54")	(14")					



BALLED & BURLAPPED STOCK
(Mn/DOT 2571.3F2)

- 1.**SCARIFY SIDES AND BOTTOM OF HOLE.
- 2.**PROCEED WITH CORRECTIVE PRUNING AS DIRECTED BY THE ENGINEER.
- 3.**SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED PLANTING SOIL. INSTALL PLANT SO THE ROOT FLARE IS AT OR UP TO 2" ABOVE THE FINISHED GRADE WITH BURLAP AND WIRE BASKET, (IF USED), INTACT.
- 4.**BACKFILL TO WITHIN APPROXIMATELY 12" OF THE TOP OF THE ROOTBALL, THEN WATER PLANT. REMOVE THE TOP 1/3 OF THE BASKET OR THE TOP TWO HORIZONTAL RINGS WHICHEVER IS GREATER. REMOVE ALL BURLAP AND NAILS FROM THE TOP 1/3 OF THE BALL. REMOVE ALL TWINE. REMOVE OR CORRECT STEM GIRDLING ROOTS.
- 5.**SLIT REMAINING TREATED BURLAP AT 6" INTERVALS.
- 6.**PLUMB AND BACKFILL WITH PLANTING SOIL.
- 7.**WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
- 8.**BACK FILL VOIDS AND WATER SECOND TIME.
- 9.**PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.



CONTAINER STOCK
(Mn/DOT 2571.3F3)

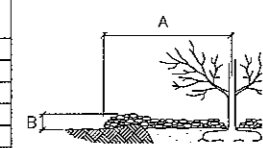
- 1.**SCARIFY SIDES AND BOTTOM OF HOLE.
- 2.**PROCEED WITH CORRECTIVE PRUNING OF TOP AND ROOT AS DIRECTED BY THE ENGINEER.
- 3.**REMOVE CONTAINER AND SCORE OUTSIDE OF SOIL MASS TO REDIRECT AND PREVENT CIRCLING FIBROUS ROOTS. REMOVE OR CORRECT STEM GIRDLING ROOTS.
- 4.**SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED PLANTING SOIL. INSTALL PLANT SO THE TOP OF THE ROOT FLARE IS AT OR UP TO 2" ABOVE THE FINISHED GRADE.
- 5.**PLUMB AND BACKFILL WITH PLANTING SOIL.
- 6.**WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
- 7.**BACK FILL VOIDS AND WATER SECOND TIME.
- 8.**PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

INSTALLATION OF PLANTS

(Mn/DOT 2571.3F)

- 1.**PULL MULCH BACK NO LESS THAN 3" AND NO MORE THAN 6" FROM TREE TRUNKS.
- 2.**SUBSIDING OR DETERIORATING MULCH IS ACCEPTABLE THROUGHOUT THE CONTRACT IF THE MULCH DEPTH IS MAINTAINED AT A MINIMUM 3" DEPTH.
- 3.**IF THE MULCH DEPTH IS LESS THAN 3" ADDITIONAL MULCH IS REQUIRED TO PROVIDE THE MINIMUM DEPTH SPECIFIED IN CHART BELOW.
- 4.**MULCH CONTAMINATED WITH SOIL MUST BE REMOVED AND REPLACED.

TYPE OF PLANT	A CENTER OF PLANT TO MULCH LINE	B DEPTH OF MULCH
CONIFEROUS TREES	3' MIN.	4"-6"
DECIDUOUS TREES	3' MIN.	4"-6"
CONIFEROUS SHRUBS	3' MIN.	4"-6"
DECIDUOUS SHRUBS	3' MIN.	4"-6"
VINES	2' MIN.	4"-6"
PERENNIALS	2' MIN.	3"-4"
MACHINE-TRANSPLANTED TREES	12" BEYOND EDGE OF HOLE	4"-6"



MULCH PLACEMENT

(Mn/DOT 2571.3H2)

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NO	DATE	BY	CHKD	APPR

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.
Print Name: Michael McGarvey
Date: _____ License # LIC#-1\$

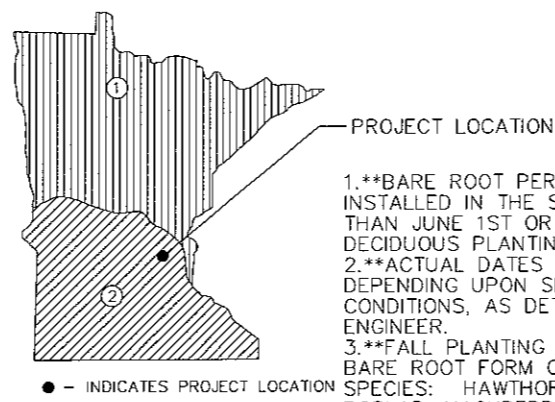
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CITY PROJECT NO. X
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CITY OF FALCON HEIGHTS
PLANTING INSTALLATION DETAILS
LARPENTEUR AVENUE STREETSCAPE

SHEET
36
OF
40

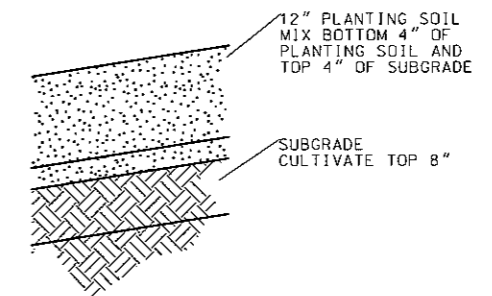
GENERAL NOTES		
SEE SPECIAL PROVISIONS FOR SPECIFIC PROJECT REQUIREMENTS.		
REFER TO Mn/DOT SPECIFICATIONS 2571.3861, THE "2006 INSPECTION AND CONTRACT ADMINISTRATION MANUAL FOR Mn/DOT LANDSCAPE PROJECTS" FOR GENERAL REQUIREMENTS.		
COMPLETE PREPARATORY WORK BEFORE STARTING INITIAL PLANTING OPERATIONS.		
ACCEPT ALL PLANT STOCK IN ACCORDANCE WITH Mn/DOT 3861 PRIOR TO PLANTING.		
THE CONTRACTOR WILL DEMONSTRATE COMPETENCY FOR ALL ONGOING OPERATIONS AS CALLED FOR IN (Mn/DOT2571.3B) "COMPETENCE TEST."		
RODENT PROTECTION	SEE SPECIAL PROVISIONS	
FERTILIZER	SEE SPECIAL PROVISIONS	
COMPOST	Mn/DOT 3890 TYPE 2 UNLESS OTHERWISE SPECIFIED.	
MULCH MATERIAL	Mn/DOT 3882 TYPE 6 UNLESS OTHERWISE SPECIFIED.	
MASS PLANTING BEDS	PREPARE MASS PLANTING BEDS FOR PLANTS PLACED AT 15' OR LESS UNLESS SPECIFIED IN PLAN OR SPECIAL PROVISION. PLANT BEDS IN STAGGERED ROWS ON THE PERIMETER FIRST, THEN UNIFORMLY FILL IN WITH REMAINING QUANTITY. USE TRIANGULAR SPACING, UNLESS SPECIFIED OTHERWISE. PROVIDE 5' RADIUS CLEAR OF SHRUBS AROUND EACH DECIDUOUS TREE AND 8' CLEAR RADIUS AROUND EACH CONIFER TREE. RADIUS WILL BE MEASURED FROM THE CENTER OF THE TREE TO THE CENTER OF THE SHRUB. NOTIFY ENGINEER OF GROSS PLANT QUANTITY SURPLUS OR DEFICIENCY IMMEDIATELY. MASS MULCH PLANTING BEDS.	
TREE PAINTING	PAINT OAKS, LINDENS, LOCUSTS, MAPLES, CRABAPPLES AND MOUNTAIN ASH. ONLY UNDILUTED EXTERIOR WHITE LATEX PAINT IS ACCEPTABLE. PAINT TREE CIRCUMFERENCE FROM GROUND LINE TO FIRST MAJOR BRANCH.	
PLANTING PLAN DIMENSIONS	FOLLOW DIMENSIONS BEFORE SCALING FROM PLAN.	
WATERING GUIDELINES (Mn/DOT 2571.3H1)	PLANT TYPE	AVERAGE GALLONS OF WATER PER APPLICATION PER PLANT
	MACHINE TRANSPLANTED TREES 42" AND UP	50-100
	BALLED & BURLAPPED TREES	20
	BARE ROOT TREES	15
	BALLED & BURLAPPED SHRUBS	10
	BARE ROOT OR CONTAINER SHRUBS	7
	WOODY SEEDLINGS	4
	PERENNIALS AND VINES	3
IT IS THE CONTRACTOR'S RESPONSIBILITY TO MONITOR AND MAINTAIN SOIL MOISTURE AT ADEQUATE BUT NOT EXCESSIVE LEVELS. THE ABOVE LISTED APPLICATION AMOUNTS ARE GUIDELINES, NOT REQUIREMENTS.		



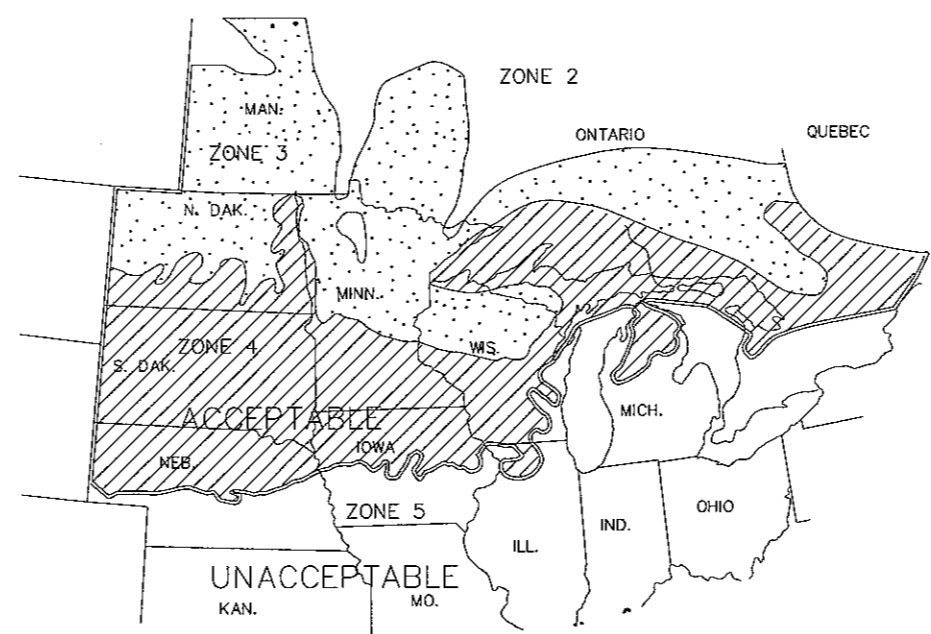
- **BARE ROOT PERENNIALS MUST BE INSTALLED IN THE SPRING NO LATER THAN JUNE 1ST OR FOLLOW THE FALL DECIDUOUS PLANTING DATES.
- **ACTUAL DATES MAY CHANGE DEPENDING UPON SEASONAL CONDITIONS, AS DETERMINED BY THE ENGINEER.
- **FALL PLANTING IS NOT ALLOWED FOR BARE ROOT FORM OF THE FOLLOWING SPECIES: HAWTHORN, DOGWOOD, POPLAR, HACKBERRY, LINDEN, IRONWOOD, HONEYLOCUST, BIRCH, MOUNTAIN ASH, MAPLE, WILLOW, CRABAPPLE, PLUM/CHERRY, OAKS, AND SUMAC.

KEY	SPRING				FALL	
	DECIDUOUS	CONIFEROUS	PERENNIALS	SEEDLINGS	DECIDUOUS	CONIFEROUS
	①	APRIL 21 TO JUNE 1	APRIL 21 TO JUNE 1	MAY 1 TO JUNE 15	APRIL 21 TO JUNE 1	OCT. 1 TO NOV. 1
②	APRIL 7 TO JUNE 1	APRIL 7 TO MAY 17	MAY 1 TO JUNE 15	APRIL 7 TO MAY 17	OCT. 10 TO NOV. 15	AUG. 25 TO SEPT. 15

PLANT INSTALLATION PERIOD (Mn/DOT 2571.5)



PLANTING SOIL (Mn/DOT 2571.3B2)



ACCEPTABLE PLANT STOCK GROWING RANGE LIMITS
SOURCE: U.S.D.A. PLANT HARDINESS ZONE MAP

ZONE MAP		
ZONES	LEGEND	TEMPERATURE RANGE
2	(Dotted pattern)	-40 TO -50
3	(Horizontal lines)	-30 TO -40
4	(Diagonal lines)	-20 TO -30

FOR ALL PLANT STOCK, DOCUMENT ACCEPTABILITY FOR HARDINESS IN THE MINNESOTA ZONE WHERE THE PROJECT SITE IS LOCATED, AS FOLLOWS:

A.**PLANT STOCK CONTINUOUSLY GROWN FOR AT LEAST THE LAST TWO YEARS WITHIN THE ACCEPTABLE LIMITS SHOWN.

OR

B.**PLANT STOCK, GROWN OUTSIDE THE ACCEPTABLE GROWING RANGE LIMITS, HAVING THE SEED SOURCE OR ROOT AND GRAFT STOCK ORIGINATING FROM THE ACCEPTABLE LIMITS SHOWN.

(Mn/DOT 2571.2D)

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

Print Name: **Michael McGarvey**

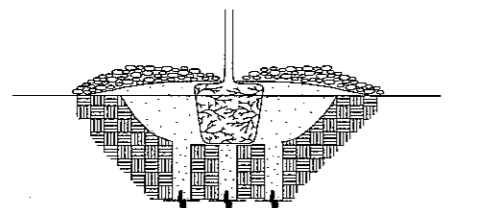
Date: _____ License # **LC#-1**

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STATE PROJECT NO. X
DESIGNED BY \$DESIGNED-1\$
COUNTY PROJECT NO. X
CHECKED BY \$CHECKED-1\$
CITY PROJECT NO. X
COMM. NO. XXXXXX



CITY OF FALCON HEIGHTS
PLANTING INSTALLATION DETAILS
LARPENTEUR AVENUE STREETSCAPE

SHEET
37
OF
40



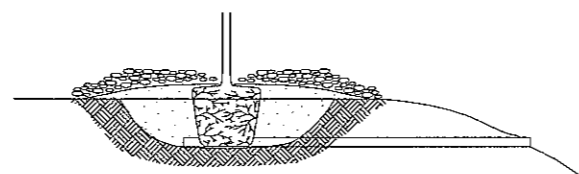
INSTALL GRANULAR FILTER

- 1.**EXCAVATE HOLE OR BED TO ALLOW PLACING THE TOP OF ROOT MASS 1"-3" HIGHER THAN FINISHED GRADE.
- 2.**AUGER 8" DIAMETER HOLES ENTIRELY THROUGH IMPERVIOUS OR POORLY DRAINED HARD PAN SOIL LAYER TO ADEQUATELY DRAIN SUBSOIL.
- 3.**TEST FOR POSITIVE DRAINAGE. RE-AUGER AN ADDITIONAL 8" IF NESSECARY FOR POSITIVE DRAINAGE.
- 4.**THOROUGHLY BACKFILL AUGER HOLES WITH A UNIFORM INCORPORATED MIXTURE OF 50% SAND AND 50% INPLACE SOIL.
- 5.**COMPLETE PLANTING ACCORDING TO INSTALLATION OF PLANTIS (Mn/DOT2571.3F).

NOTE:

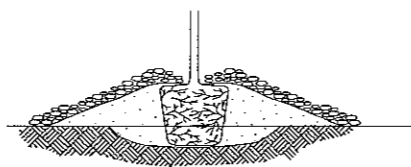
1.**THE NEED FOR USING ALTERNATIVE PLANTING DETAILS AND WHICH TYPE TO USE ARE DETERMINED BY THE CONTRACTOR, SUBJECT TO APPROVAL BY THE ENGINEER.

ALTERNATIVE PLANTING FOR POORLY DRAINED SOIL



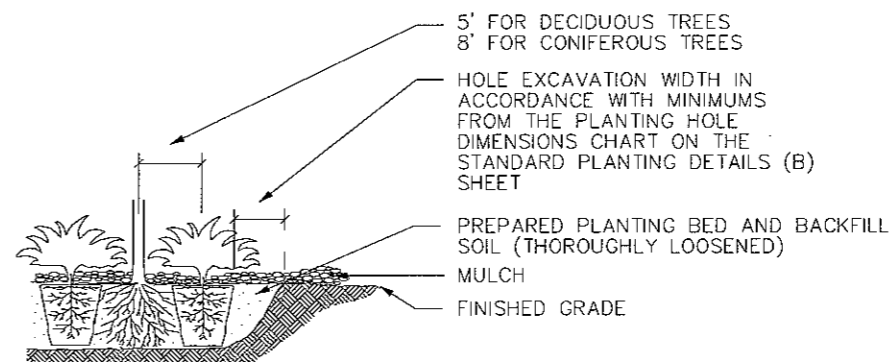
INSTALL TILE DRAINAGE

- 1.**EXCAVATE HOLE OR BED TO ALLOW PLACING THE TOP OF THE ROOT MASS 1"-3" HIGHER THAN FINISHED GRADE.
- 2.**INSTALL 4" MINIMUM DIAMETER DRAIN TILE DAYLIGHTING AT A LOWER GRADE, AS APPROVED BY THE ENGINEER.
- 3.**COMPLETE PLANTING ACCORDING TO INSTALLATION OF PLANTS (Mn/DOT2571.3F).

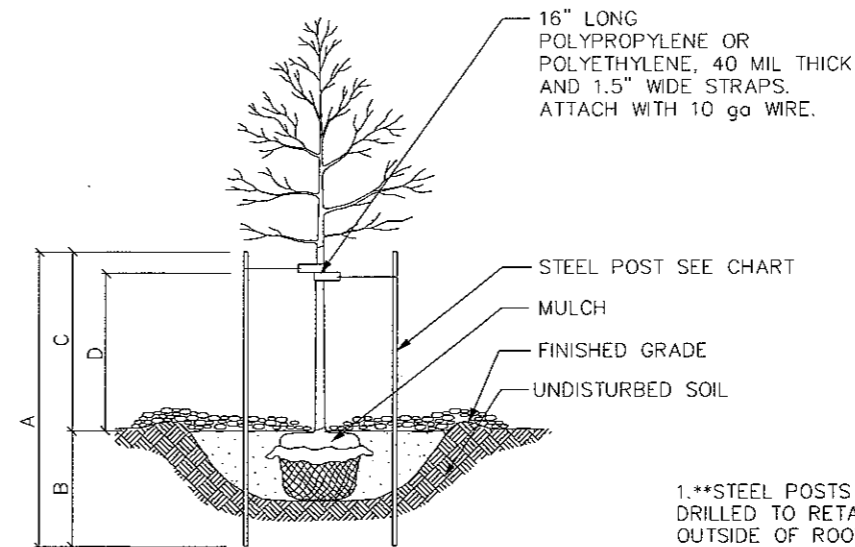


INSTALL MINI-BERM

- 1.**EXCAVATE HOLE OR BED 1/4 THE DEPTH OF THE ROOT MASS.
- 2.**SET ROOT MASS IN HOLE.
- 3.**CONSTRUCT BERM WITH SANDY LOAM TOPSOIL. EXTEND THE BERM BASE TO A WIDTH OF 3 TIMES THE BERM HEIGHT.
- 4.**COMPLETE PLANTING ACCORDING TO INSTALLATION OF PLANTS (Mn/DOT2571.3F).



PLANTING SPACING OF MASS BEDS



STEEL POST SIZING					
CALIPER	STEEL POST TYPE	A	B	C	D
LESS THEN 4 INCHES	ROLLED STEEL FENCE POST (Mn/DOT 3403) OR APPROVED EQUAL.	7'-0"	3'-0" MIN.	4'-0"	3'-0"
GREATER THEN 4 INCHES	10', 2.2 LB. FLANGED CHANNEL STEEL SIGN POST (Mn/DOT 3401) OR APPROVED EQUAL.	10'-0"	4'-0" MIN.	6'-0"	5'-0"

STAKING AND GUYING

(Mn/DOT 2571.2C7)

- 1.**STEEL POSTS TO BE NOTCHED OR DRILLED TO RETAIN GUY WIRES. PLACE OUTSIDE OF ROOT BALL. DRIVE PLUMB REGARDLESS OF GROUND SLOPE.
- 2.**REQUESTS TO SUBSTITUTE RUBBER HOSE AND WIRE GUYING SYSTEMS WILL NOT BE APPROVED.
- 3.**TREE STAKING IS NOT REQUIRED UNLESS SPECIFIED OR NECESSARY TO MAINTAIN TREES IN A PLUMB CONDITION WHERE VANDALISM, SOIL, OR WIND CONDITIONS ARE A PROBLEM, OR AS REQUESTED BY THE ENGINEER.
- 4.**REMOVE AFTER ONE YEAR.

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.
 Print Name: **Michael McGarvey**
 Date: _____ License # **6809A-1**

STATE AID PROJECT NO. X
 STATE PROJECT NO. X
 COUNTY PROJECT NO. X
 CITY PROJECT NO. X
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 DESIGNED BY **#DESIGNED-1#**
 CHECKED BY **#CHECKED-1#**
 COMM. NO. XXXXXXX



CITY OF FALCON HEIGHTS
 PLANTING INSTALLATION DETAILS
LARPENTEUR AVENUE STREETScape

SHEET 38 OF 40

SYMBOL	QUANTITY	BOTANICAL NAME	SIZE	ROOT	REMARKS
DECIDUOUS TREES					
CO		<i>Celtis occidentalis</i> COMMON HACKBERRY	2.5" CAL.	B&B	SINGLE STRAIGHT LEADER
GT		<i>Gleditsia tricanthos</i> var. <i>inermis</i> 'Skycole' SKYLINE HONEYLOCUST	2.5" CAL.	B&B	SINGLE STRAIGHT LEADER
QB		<i>Quercus bicolor</i> SWAMP WHITE OAK	2.5" CAL.	B&B	SINGLE STRAIGHT LEADER
QR		<i>Quercus rubra</i> RED OAK	2.5" CAL.	B&B	SINGLE STRAIGHT LEADER
TA		<i>Tilia americana</i> 'Boulevard' REDMOND LINDEN	2.5" CAL.	B&B	SINGLE STRAIGHT LEADER
UA		<i>Ulmus</i> 'Morton Stalwart' COMMENDATION ELM	2.5" CAL.	B&B	SINGLE STRAIGHT LEADER
ORNAMENTAL TREES					
AB		<i>Amelanchier</i> g. 'Autumn Brilliance' AUTUMN BRILLIANCE SERVICEBERRY	8'	B&B	CLUMP MULTISTEM
MF		<i>Malus</i> 'Prairie Fire' PRAIRIE FIRE FLOWERING CRAB	2" CAL.	B&B	SINGLE STRAIGHT LEADER
MS		<i>Malus</i> 'Snowdrift' SPRING SNOW FLOWERING CRAB	2" CAL.	B&B	SINGLE STRAIGHT LEADER
DECIDUOUS SHRUBS					
AA		<i>Amelanchier alnifolia</i> 'Regent' REGENT SERVICEBERRY	#5	CONT.	PLANT 48" O.C.
AM		<i>Aronia melanocarpa</i> 'Autumn Magic' AUTUMN MAGIC CHOKEBERRY	#5	CONT.	PLANT 48" O.C.
CI		<i>Cornus sericea</i> 'Isanti' ISANTI DOGWOOD	#5	CONT.	PLANT 48" O.C.
DL		<i>Diervilla lonicera</i> DWARF BUSH HONEYSUCKLE	#5	CONT.	PLANT 48" O.C.
RA		<i>Rhus aromatica</i> 'Gro-low' GRO-LOW SUMAC	#5	CONT.	PLANT 48" O.C.
VT		<i>Viburnum trilobum</i> 'Compactum' COMPACT AMERICAN CRANBERRY BUSH	#5	CONT.	PLANT 48" O.C.
PERENNIALS AND GROUNDCOVERS					
AF		<i>Agastache foeniculum</i> FRAGRANT GIANT HYSSOP	#1	CONT.	PLANT 24" O.C.
AN		<i>Aster novae-angliae</i> 'Purple Dome' PURPLE DOME ASTER	#1	CONT.	PLANT 24" O.C.
CM		<i>Coreopsis verticillata</i> 'Moonbeam' MOONBEAM COREOPSIS	#1	CONT.	PLANT 24" O.C.
EM		<i>Eupatorium maculatum</i> 'Little Joe' JOE-PYE WEED	#1	CONT.	PLANT 24" O.C.
EP		<i>Echinacea purpurea</i> 'Little Giant' LITTLE GIANT PURPLE CONEFLOWER	#1	CONT.	PLANT 24" O.C.
LS		<i>Liatris spicata</i> 'Kobold' BLAZINGSTAR	#1	CONT.	PLANT 24" O.C.
RH		<i>Rudbeckia</i> 'Goldsturm' GOLDSTURM BLACK EYED SUSAN	#1	CONT.	PLANT 24" O.C.
SA		<i>Sedum</i> x 'Autumn Joy' AUTUMN JOY SEDUM	#1	CONT.	PLANT 24" O.C.
ORNAMENTAL GRASSES					
CK		<i>Calamagrostis acutiflora</i> 'Karl Foerster' KARL FOERSTER REED GRASS	#1	CONT.	PLANT 24" O.C.
PV		<i>Panicum virgatum</i> 'Prairie Sky' PRAIRIE SKY SWITCH GRASS	#1	CONT.	PLANT 24" O.C.
SH		<i>Sporobolus heterolepis</i> PRAIRIE DROPSEED GRASS	#1	CONT.	PLANT 24" O.C.
SS		<i>Schizachyrium scoparium</i> LITTLE BLUESTEM	#1	CONT.	PLANT 24" O.C.

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Print Name: Michael McGarvey

Date: _____ License # LC#-15

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 CITY PROJECT NO. X

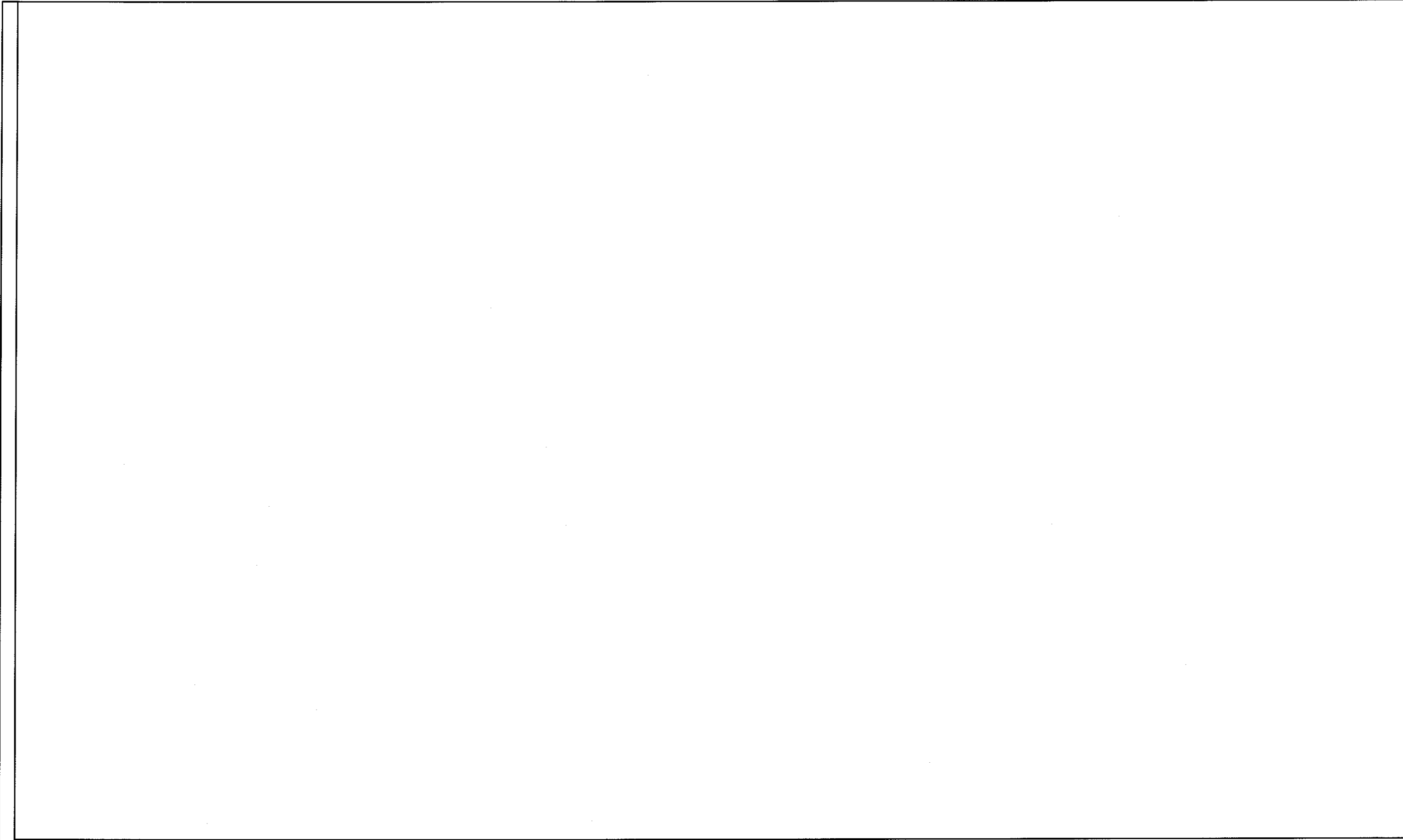
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CITY OF FALCON HEIGHTS
 PLANTING SCHEDULE
 LARPEUR AVENUE STREETSCAPE

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 39
 OF
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 Date: _____ License # ***LIC#-1***

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 COUNTY PROJECT NO. X
 CITY PROJECT NO. X

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CITY OF FALCON HEIGHTS
 PEDESTRIAN COUNTDOWN TIMERS
LARPEN TEUR AVENUE STREETSCAPE

SHEET
40
OF
40

WKSP 2
1/6/10

TO: Mayor Lindstrom, Council members Gosline, Harris, Long, and Mercer-Taylor

FROM: Justin Miller, City Administrator

Re: Tobacco Violation Ordinance Amendment Discussion

Explanation:

In late 2009, for the first time in several years, one of the city's licensed tobacco vendors received a penalty for selling tobacco to an underage person. When staff and legal counsel were discussing how to proceed with issuing a penalty for this infraction, it was discovered that specific terms were not outlined in the city code. Instead, the city relied on authority under state statutes and imposed a fine of \$500. In discussing this with other cities and the Ramsey Tobacco Coalition, it was found that most cities have a graduated penalty scale built into their city code for vendors that sell tobacco to underage persons.

Attached to this report is a draft ordinance amendment that attempts to start the discussion on how to formalize our infraction penalty process. It is based on past practice as well as comparable fines that are levied by other cities. The ordinance calls for graduated penalties of \$250, \$500, \$1000, and license revocation for each infraction within a 24 month period. It also spells out how a vendor can request a hearing before the city council if they wish to contest the penalty.

If the city council wishes to proceed in this manner, staff will take the input from this discussion and have the city attorney draft a final ordinance amendment for the council to approve at a future council meeting.

CITY OF FALCON HEIGHTS
RAMSEY COUNTY, MINNESOTA

ORDINANCE NO. _____

- 1 AN ORDINANCE AMENDING CHAPTER 14
- 2 OF THE FALCON HEIGHTS CITY CODE
- 3 CONCERNING TOBACCO

THE CITY COUNCIL OF FALCON HEIGHTS ORDAINS:

SECTION 1. Section 14-297 of the Falcon Heights City Code is amended by adding the following provisions:

- (c) Administrative Civil Penalties: Each license issued hereunder shall be subject to suspension or revocation for violation of any provisions of this chapter or the laws of the State of Minnesota as follows:
 - (1) First Violation: The first violation of this chapter shall be punishable by a civil penalty of two hundred fifty dollars (\$250.00).
 - (2) Second Violation: A second violation of this chapter within any twenty four (24) month period shall be punishable by a civil penalty of five hundred dollars (\$500.00).
 - (3) Third Violation: A third violation of this chapter within any twenty four (24) month period shall be punishable by a civil penalty of one thousand dollars (\$1,000.00) and a suspension of the license for ten (10) days.
 - (4) Subsequent Violation: A fourth or subsequent violation of this chapter within any twenty four (24) month period shall be punishable by revocation of the license. Any licensee whose license is revoked under this section shall not be eligible for renewal for a period of two (2) years after the revocation.

- (d) Hearing: Following receipt of a notice of a violation and penalty issued under this section, a license holder may agree to the presumptive penalty or request a hearing before the City Council. A request for a hearing shall be made by the applicant or license holder in writing and filed with the City Administrator or designee within ten (10) days of the mailing of the notice of the alleged violation. Following receipt of a written request for hearing, the applicant or license holder shall be afforded an opportunity for a hearing before the Council.
- (e) Findings: If after the hearing the license holder is found in violation of this chapter, the Council may, impose the presumptive penalty or a different penalty.
- (f) Default: If the license holder has been provided written notice of the violation and if no request for a hearing is filed within the ten (10) day period, then the presumptive civil penalty, suspension or revocation imposed in this chapter shall take immediate effect by default. The City Administrator or designee shall mail notice of the fine, suspension or revocation to the applicant or license holder.

SECTION 2. This ordinance shall be effective immediately upon its passage and publication.

ADOPTED this _____ day of _____, 2_____, by the City Council of Falcon Heights, Minnesota.

CITY OF FALCON HEIGHTS

BY: _____
Peter Lindstrom, Mayor

ATTEST:

Justin Miller, City Administrator/Clerk

Tobacco License and Fee Schedule 2009

	A	B	C	D	E	F	G	H	I
1	City	License Fee	General or Separate Application	1st Violation	2nd Violation	3rd Violation	4th Violation	Clerk Violation	Seller age
2	Arden Hills	\$200	Separate	\$100	\$500	\$1000 & Suspension	Revocation	Not listed in Code	None
3	Falcon Heights	\$250	Separate	not listed in Code	Not listed in code	Not listed in code	Not listed in Code	Not listed in Code	None
4	Gem Lake	\$350	Separate	\$75	\$200	\$250 & Suspension	\$250 & Suspension	\$50	None
5	Little Canada	\$250	Separate	\$200	\$500	\$1000 & Suspension	\$1500 & Suspension	\$100,\$125, \$150, Misdemeanor	None
6	Maplewood	\$125	Separate	\$250	\$500	1000& civil penelty	revoke or suspension of license	Not listed in Code	None
7	Mounds View	\$200	General	\$150	\$400	\$500	Not listed in Code	\$100, \$150, \$200, \$250	None
8	New Brighton	\$275	General	\$100	\$200	\$300	Not listed in Code	\$50	None
9	North Oaks	\$200	Separate	\$75	\$200	\$250 & Suspension	\$250 & Suspension	\$50	None
10	North St. Paul	\$200	Separate	\$75	\$200	\$250 & Suspension	Not listed in Code	Not listed in Code	None
11	Roseville	\$100	Separate	Not listed in Code	Not listed in code	Not listed in code	Not listed in Code	Not listed in Code	None
12	Shoreview	\$250	Separate	\$250	\$500	\$1000 & Suspension	\$1500 & Suspension	\$50.\$100, \$150, \$200, \$250	None
13	South St. Paul	\$100	Separate	\$100	\$200	\$300 & Suspension	revoke	Not listed in Code	none
14	St. Paul	\$431	Separate	\$200	\$400	Suspension	Revocation	Not listed in Code	None
15	Vadnais Heights	\$250	Separate	\$250	\$500	\$1,000	***	Not listed in Code	None
16	West St. Paul	\$624.50	General	\$75	\$200	\$750	\$1,500	\$50	None
17	White Bear Lake	\$100, if fail compliance check \$175	General	not listed in	Not listed in	Not listed in code	Not listed in Code	Not listed in Code	None
18	White Bear Thownship	\$100	Separate	\$75	\$200	\$250	\$250	\$50	None