

ROSEVILLE
REQUEST FOR COUNCIL ACTION

Date: 2/13/12
Item No.: 12.a

Department Approval

City Manager Approval

Item Description: Approve Plans for County Road C-2 Construction Project

BACKGROUND

At the October 17, 2011 meeting, the City Council approved the construction of the connection of County Road C-2 between Hamline and Lexington. This project is scheduled for construction in 2012. The project that was approved by the City Council:

- Construct Road County Road C-2 connection between Griggs and Dunlap. To save some of the trees in the right of way, staff is proposing to construct this street segment at a 28 foot width. No parking will be allowed in this segment.
- Construct a 6 foot wide concrete sidewalk along the north side of County Road C-2 between Hamline and Lexington. The segment of sidewalk between Fernwood Street and Lexington Avenue will be constructed by Pulte Homes as part of the Josephine Woods development.
- Install a parking bay on the north side of County Road C-2 along Cottontail Park. In all other locations between Hamline and 1261 County Road C-2, the north curb line will be moved 4 feet south to define the on street parking bay and narrow the rest of the road. No parking will be allowed where the street is narrowed.
- Street trees installed along the segment of road included in the construction project.
- Construct colored concrete pedestrian crossings at Hamline, Cottontail Park, and Lexington.

Staff held a Public Open House on January 12th, 2012. The meeting was attended by about 40 property owners. The majority of the attendees live on County Road C-2. Many of the comments provided to staff were incorporated into the final plans. Items that staff has identified during the plan development process that staff would like to bring to the City Council's attention as a part of the final plan approval.

- Existing site conditions: Staff has identified some construction debris, including concrete and bituminous chunks that will need to be removed from the site of the road connection construction. The soil borings show no evidence of the contamination that was found on the Josephine Woods site.
- Hamline right turn lane: Staff is recommending the construction of a right turn lane at the intersection of County Road C-2/ Hamline Avenue. For safety, we need to line up the lanes on this segment of County Road C-2 with the lanes west of Hamline. While the road west of Hamline is the same width as the road east of Hamline, the parking restrictions are different. Parking is permitted on the south side of the road west of Hamline. If we line up the centerlines, we would be unable to fit a right turn lane into the existing pavement width. As a result we recommend that the road be widened 3 feet to the north to accommodate a turn lane at this intersection.

- 36 • Lexington right turn lane: Staff is recommending the construction of right turn lane at
37 the intersection of County Road C-2/Lexington Avenue. For safety, we need to line up
38 the lanes on County Road C-2 east of Lexington. In order to line up the centerlines, we
39 would be unable to fit a right turn lane into the existing pavement width. As a result we
40 recommend that the road be widened 3 feet to the south to accommodate a turn lane at
41 this intersection.
- 42 • Parking Restrictions: No Parking will be allowed on the north side of the street on the
43 segment of County Road C-2 between Dunlap Avenue and Lexington Avenue. Parking
44 will be allowed on the south side. This is the preference of the property owners in this
45 segment and works well for lining up the centerlines of County Road C-2 across
46 Lexington Avenue. A City Council resolution will be necessary to formally adopt the
47 new parking restrictions east of Griggs. This will be brought to the City Council in the
48 coming months.
- 49 • Storm Sewer improvements: Infiltration trenches and biofiltration basins will be
50 constructed to address storm water rate and volume for the construction project. The
51 City will get a Rice Creek Watershed District Permit for this project.
- 52 • Mailbox structure: the property owner at 1152 County Road C-2 has installed a large
53 masonry mailbox in the right of way. No permit was issued for its construction. The
54 mailbox will need to be removed from its current location on the cul- de- sac bulb and a
55 new mailbox installed along the new curb line of the connected County Road C-2.
56 However, the existing structure is less than 12 inches behind the curb and does not meet
57 the clearance requirements of the City's mailbox standard. Mailboxes with supports that
58 don't meet certain breakaway standards are considered hazards and do not conform to
59 state statute on roads with speed limits over 40 mph. (State Statute 169.072 & Minn.
60 Rule 8818.0300) The City and County have not taken a hard line of enforcement on the
61 installation of these structures within the public right of way. However, they are a real
62 safety concern for our plow drivers and for other vehicles travelling on the road. The
63 property owner has asked that the City pay for the relocation or reconstruction of this
64 mailbox as a part of the project. We estimate that the cost will be \$3000 to \$5000.
- 65 • 1120 County Road C-2: Staff has determined that the fence installed along the east
66 property line of 1120 Lexington Avenue encroaches 7.5 feet into the public right of way.
67 There is also a shed that was constructed without a building permit that encroaches into
68 the right of way about 2 feet. The intersection sight lines meet all design standards and
69 the fence is not within the intersection sight triangle. However, staff has received
70 complaints from neighbors regarding sight lines at this intersection. Staff proposes to
71 work with the property owner on relocating the fence out of the right of way and onto the
72 property line. We have met with him once to discuss this safety issue. The relocation of
73 this fence is estimated to cost \$10/ foot, provided the existing panels can be reused. A
74 new fence would cost \$25/ foot. The relocation of the fence to meet code would also
75 require the relocation of the shed and impact other features of the property owner's
76 backyard.
- 77 • Scenario 2-Modify road profile between Merrill and Griggs: As discussed in the 2011
78 traffic study, the crest vertical curve at Merrill Street does not meet 30-mph design
79 standards. This matter has been mitigated through the installation of an all way stop sign
80 at this intersection. At the October 17 meeting, staff recommended that the road profile
81 work be included in the future maintenance project anticipated in 5 to 10 years. To
82 develop plans for the 2012 project, staff completed a field survey of the existing

83 conditions for the entire length of County Road C-2 between Hamline and Lexington.
 84 We developed a corridor design that meets MSA standards for both the short term and
 85 long term. The new design for the segment of the corridor between 1261 County Road
 86 C-2 and Griggs Street has a significantly lower cost than the one proposed in the County
 87 Road C-2 traffic study. The updated “Scenario 2” cost estimate is included in the
 88 financial discussion below. Including this segment in the 2012 project will mean less
 89 cost to the City and less disruption to the neighbors in the long run. The future project to
 90 lower the road profile in this street segment will mean the removal and reconstruction of
 91 the sidewalk and driveways included in the 2012 project. It will also mean that the
 92 property owners along County Road C-2 in this segment would only have one
 93 construction season disruption in the next 10 years. As a result of these items staff is
 94 recommending that we move ahead with the modifications to this segment this year.

95 **POLICY OBJECTIVE**

96 County Road C-2 from Snelling Avenue to Victoria Street is a street on the City’s Municipal
 97 State Aid (MSA) system. City policy is to use MSA funds to fund construction work on MSA
 98 streets. No assessments are proposed for this project.

99 **FINANCIAL IMPACTS**

100 What follows are updated cost estimates for the County Road C-2 construction project. These
 101 estimates include all roadway construction, driveway removal and replacement, boulevard
 102 restoration, tree removal, tree installation, and utility work necessary to complete the project
 103 described above. In the October 17 Council memo, we called the traffic study design “Scenario
 104 2” and it included the Scenario 1 connection cost and the cost to reconstruct the road between
 105 Merrill and Griggs. For comparison purposes, both the 2011 Scenario 2 cost and the revised
 106 Scenario 2 cost in the table below, is only the cost to modify the profile of the road between
 107 Merrill and Griggs. The cost to construct the connection is the Scenario 1 cost. The revised
 108 estimates include a 10% contingency.

	2011 estimate	Revised Estimate
Scenario 1 (construct road connection between Griggs and Dunlap St)	\$131,000	\$128,000
Scenario 2 (modify road profile from Merrill St to Griggs)	\$552,000	\$225,000
Narrow road between Hamline and Merrill St	\$114,000	\$70,000
Construct 6 ft wide sidewalk (north side of road)	\$125,000	\$85,000
Streetscape Cost	\$50,400	\$20,000
Construct right turn lane at Hamline Ave	NA	\$8,000
Construct right turn lane at Lexington Ave	NA	\$8,000
Total Estimated Project Cost	\$972,400.00	\$544,000.00

109
 110 The project would be funded using MSA money. Staff has determined that we have adequate
 111 funds to support the proposed project.

112 **STAFF RECOMMENDATION**

113 Staff recommends the approval of the County Road C-2 plans with the following components:

- 114 • Construct Scenario 1- County Road C-2 connection between Griggs St and Dunlap St.
- 115 • Construct Scenario 2- Modify profile between Merrill Street and Griggs Street.

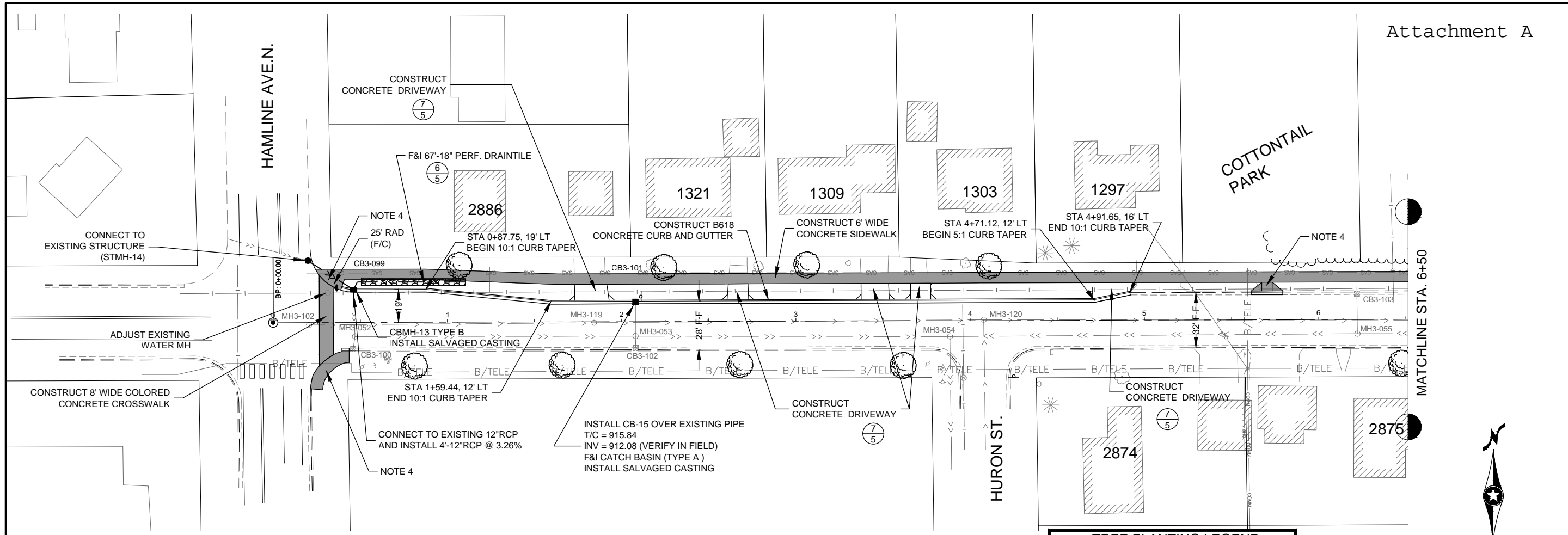
- 116 • Narrow road between Hamline and Merrill Street as shown on the plans.
- 117 • Construct a 6 ft wide sidewalk on the north side of the road between Hamline and
- 118 Fernwood Street.
- 119 • Install street trees.
- 120 • Install colored concrete cross walks at key pedestrian crossings
- 121 • Construct right turn lane at Hamline
- 122 • Construct right turn lane at Lexington
- 123 • Work with the property owner at 1152 County Road C-2 on the mailbox relocation
- 124 issues.
- 125 • Work with property owner at 1120 County Road C-2 on relocating fence.

126 **REQUESTED COUNCIL ACTION**

127 Approve plans for County Road C-2 Construction Project.

128

Prepared by: Debra Bloom, City Engineer
Attachments A: Construction Plans
B: 1152 County Road C-2 Mailbox Photo
C: County Road C-2 and Lexington intersection photo



- NOTES:**
1. CONTRACTOR IS RESPONSIBLE FOR HAVING UTILITIES LOCATED IN THE FIELD.
 2. SIGN RELOCATIONS (REMOVAL, PROTECTION AND REINSTALLATION) IS INCIDENTAL UNLESS OTHERWISE NOTED.
 3. RESTORE ALL DISTURBED AREAS WITH SOD.
 4. CONSTRUCT PEDESTRIAN CURB RAMP WITH TRUNCATED DOMES. SEE MnDOT DETAIL 7036G.

COUNTY ROAD C-2
66' RIGHT OF WAY

TREE PLANTING LEGEND

INSTALL TREE

NOTE:
SEE SHEET 4 FOR PLANTING SCHEDULE.

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

CITY ENGINEER _____ LIC. NO. 28469
 DATE _____

DESIGNED	DRAWN
DRG	DRT
CHECKED	
DMB	

NO.	DATE	BY	DESCRIPTION OF REVISIONS

2012 PAVEMENT MANAGEMENT PROJECT
 COUNTY ROAD C-2 FROM
 HAMLINE AVE. TO LEXINGTON AVE.
ROSEVILLE
 ENGINEERING DEPARTMENT

PLAN AND PROFILE FOR:
 STREET IMPROVEMENTS
 HAMLINE AVE. TO DELLWOOD ST.

CITY PROJ. NO. 12-02 SAP NO. 160-216-018

SHEET NO. 5 OF 12

COTTONTAIL PARK

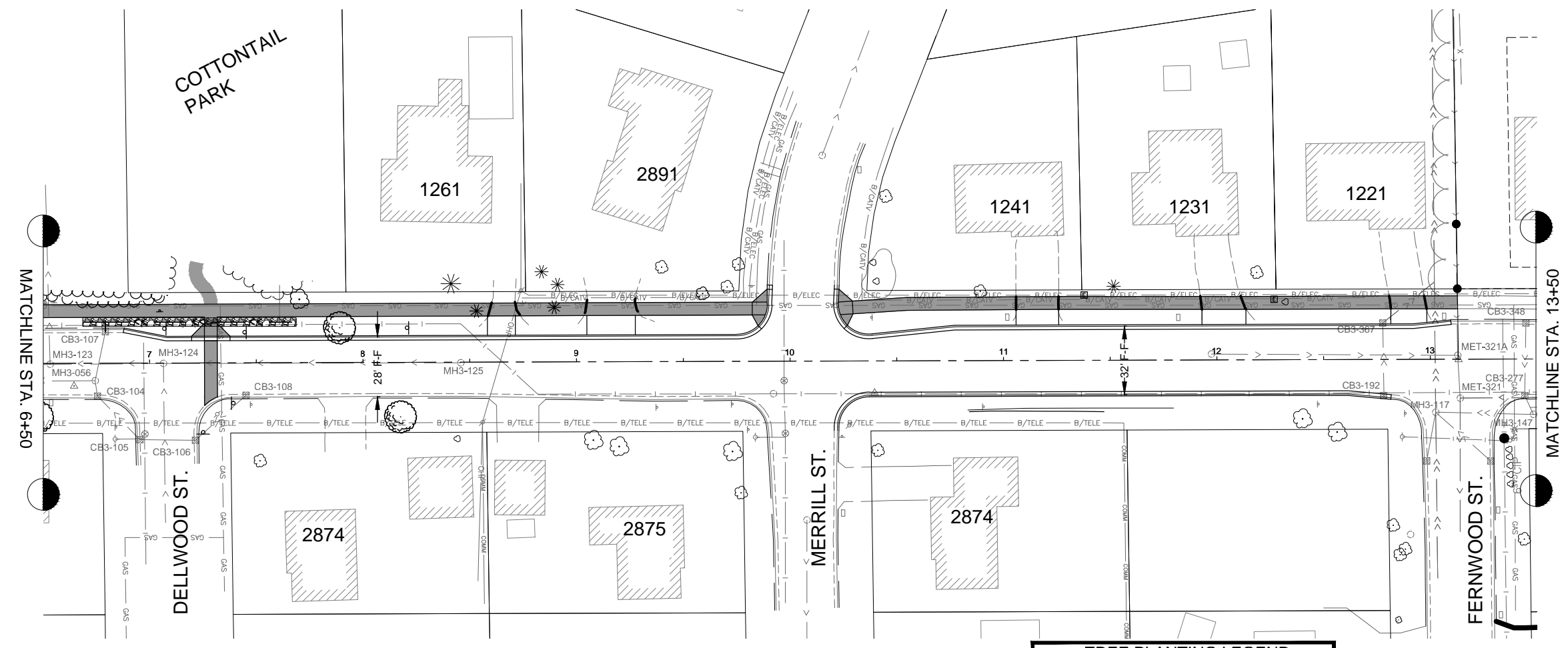
MATCHLINE STA. 6+50

DELLWOOD ST.

MERRILL ST.

FERNWOOD ST.

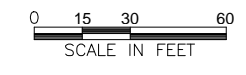
MATCHLINE STA. 13+50



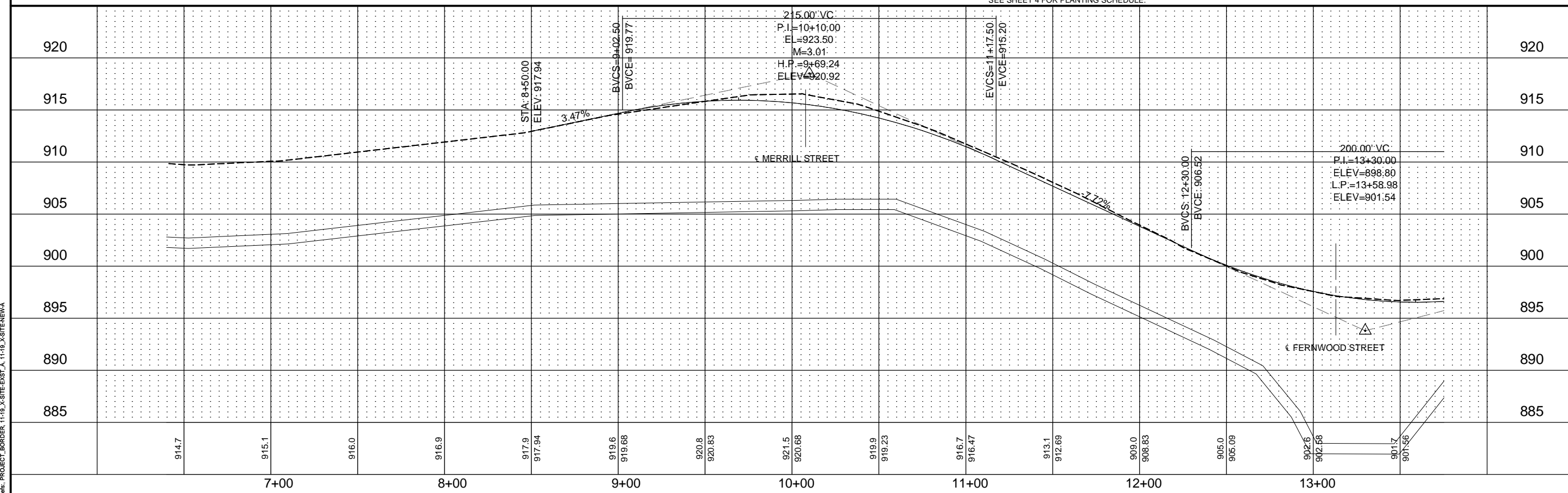
COUNTY ROAD C-2
66' RIGHT OF WAY

TREE PLANTING LEGEND
INSTALL TREE

NOTE:
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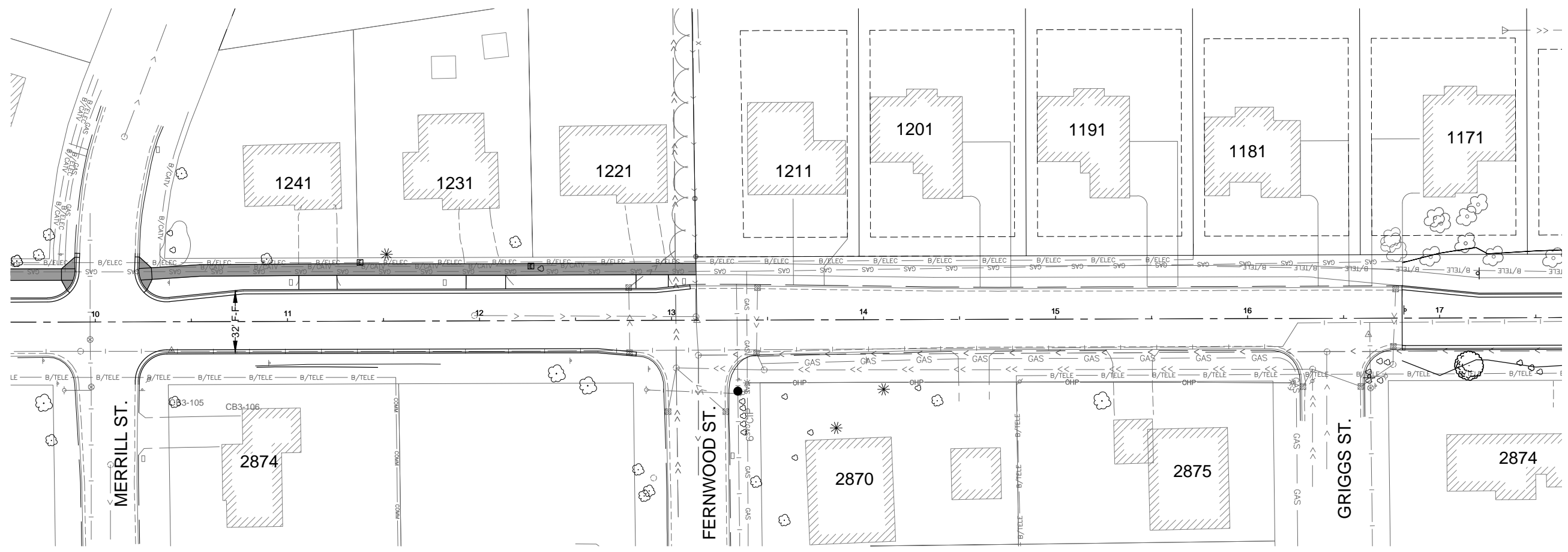
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ROSEVILLE
ENGINEERING DEPARTMENT


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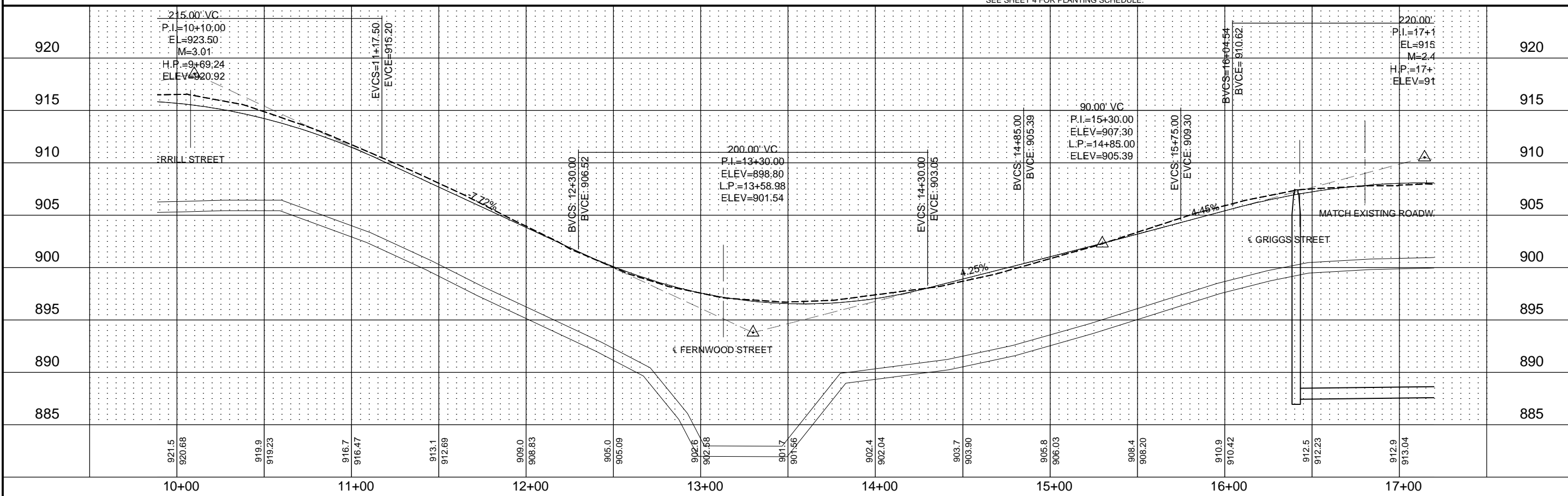
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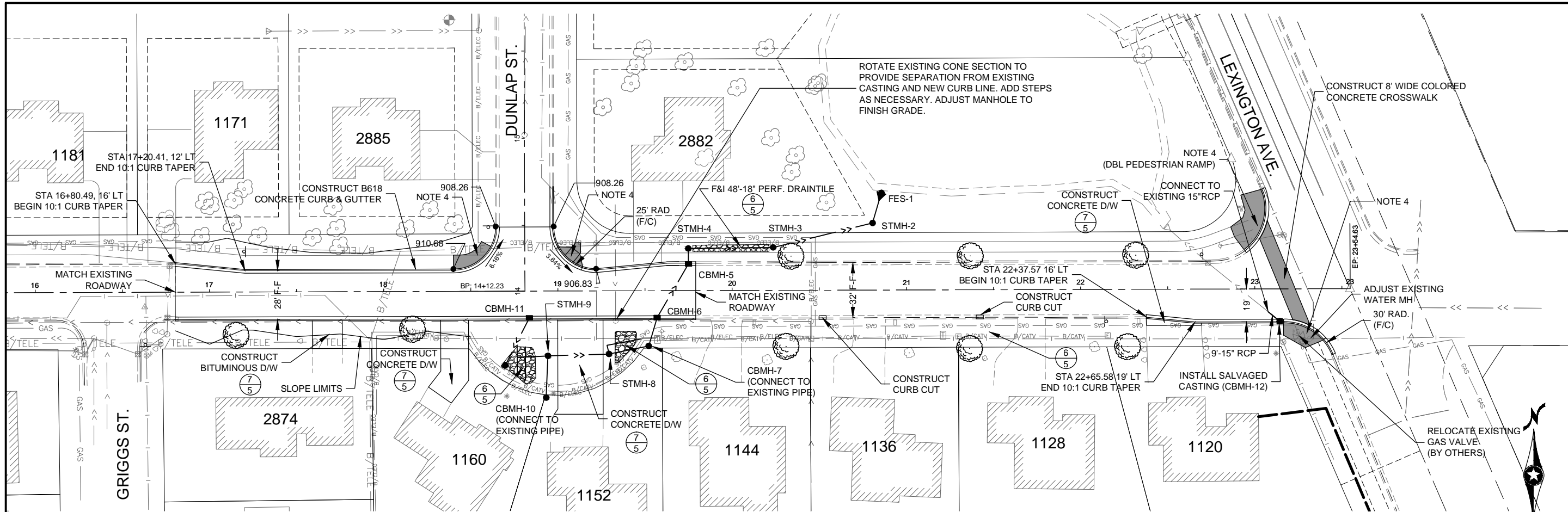
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ROTATE EXISTING CONE SECTION TO PROVIDE SEPARATION FROM EXISTING CASTING AND NEW CURB LINE. ADD STEPS AS NECESSARY. ADJUST MANHOLE TO FINISH GRADE.

CONSTRUCT 8' WIDE COLORED CONCRETE CROSSWALK

NOTE 4 (DBL PEDESTRIAN RAMP)

NOTE 4


ADJUST EXISTING WATER MH 30' RAD. (F/C)

RELOCATE EXISTING GAS VALVE (BY OTHERS)

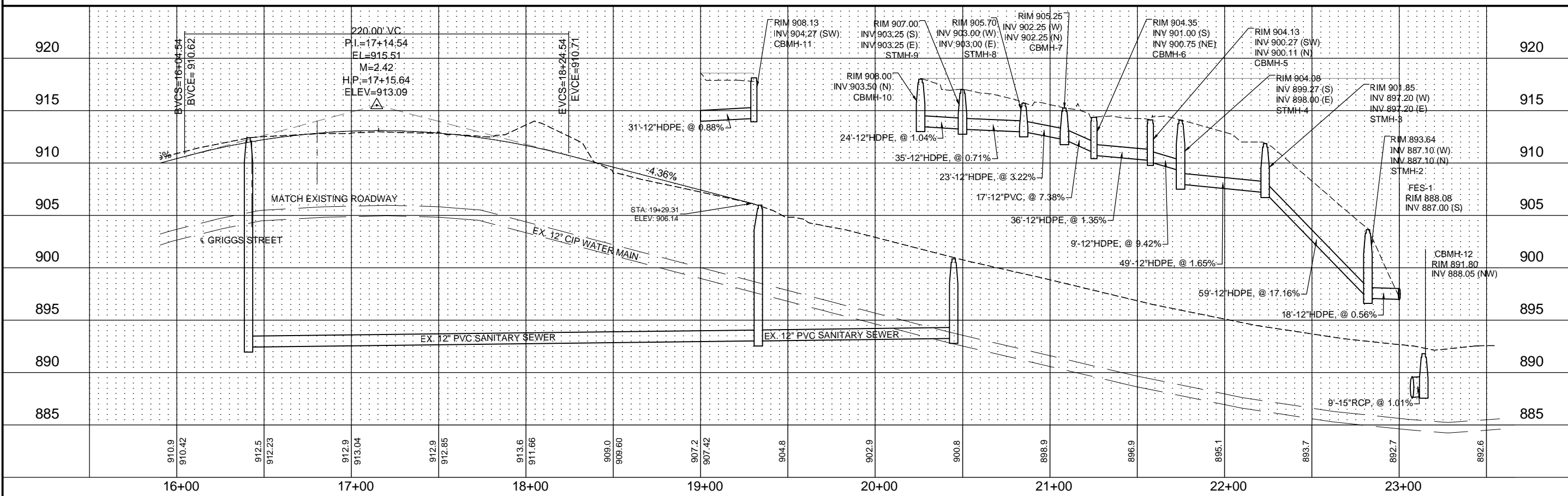
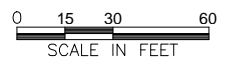
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SHEET NO. 5 OF 12

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1152 County Road C-2 Mailbox Photo



County Road C-2 and Lexington intersection photo

