2021 RIO DELL ROAD IMPROVEMENTS PROJECT

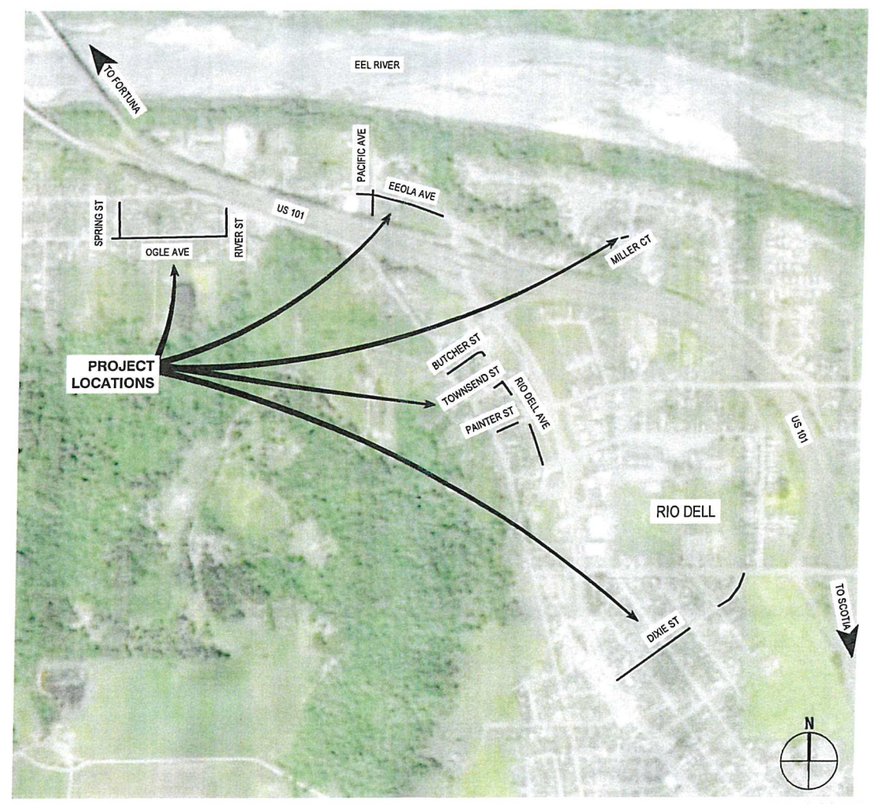
CITY OF RIO DELL

MARCH 2021

AREA MAP

NOT TO SCALE

LOCATION MAP



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TOTAL SHEET COUNT: 8			

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Project Manager	N. SANGER	Date	2/25/21
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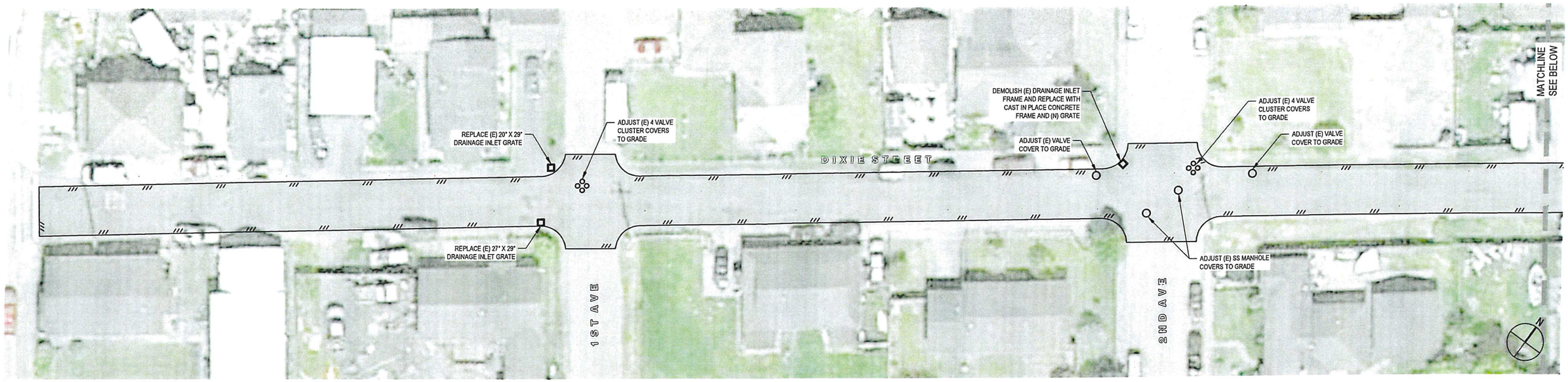
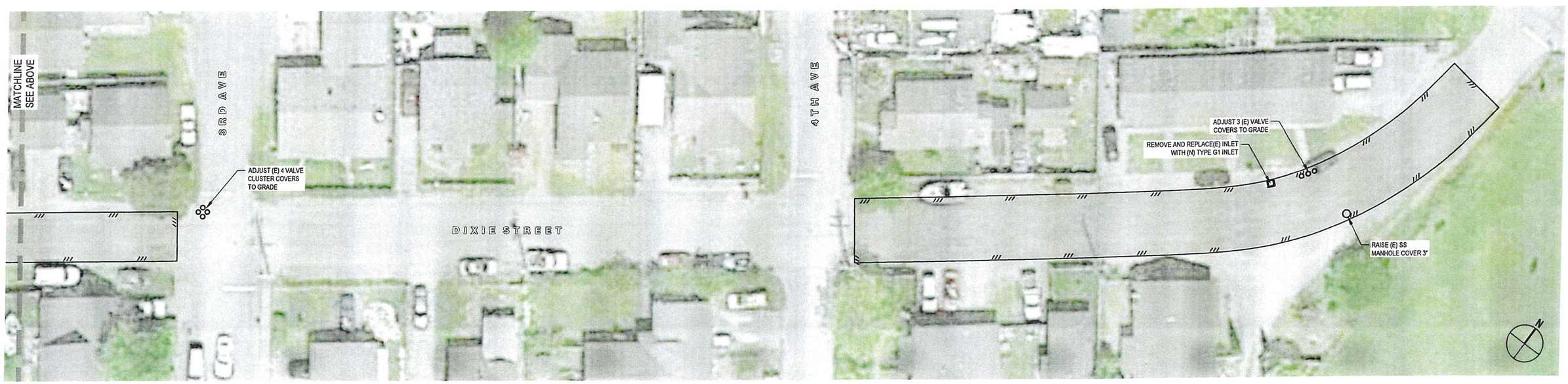
Client CITY OF RIO DELL
Project 2021 RIO DELL ROAD IMPROVEMENTS PROJECT
Title COVER SHEET
Project No. 8410747
Original Size ANSI D
Sheet No. G-001
Sheet 1

Plot Date: 5 March 2021 - 10:50 AM Plotted By: Christine Provo Filename: C:\Civil 3D Projects\18 Rio Dell - 2021 Streets Project\ACAD 2018\Sheets\Cover Sheet.dwg



DIXIE STREET IMPROVEMENTS

0 20' 40'



DIXIE STREET IMPROVEMENTS

0 20' 40'

LINE & HATCH LEGEND:

(N) ASPHALT OVERLAY (2" THICK)

(N) EDGE OF PAVEMENT

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Client: CITY OF RIO DELL

Project: 2021 RIO DELL ROAD IMPROVEMENTS PROJECT

Title: DIXIE STREET

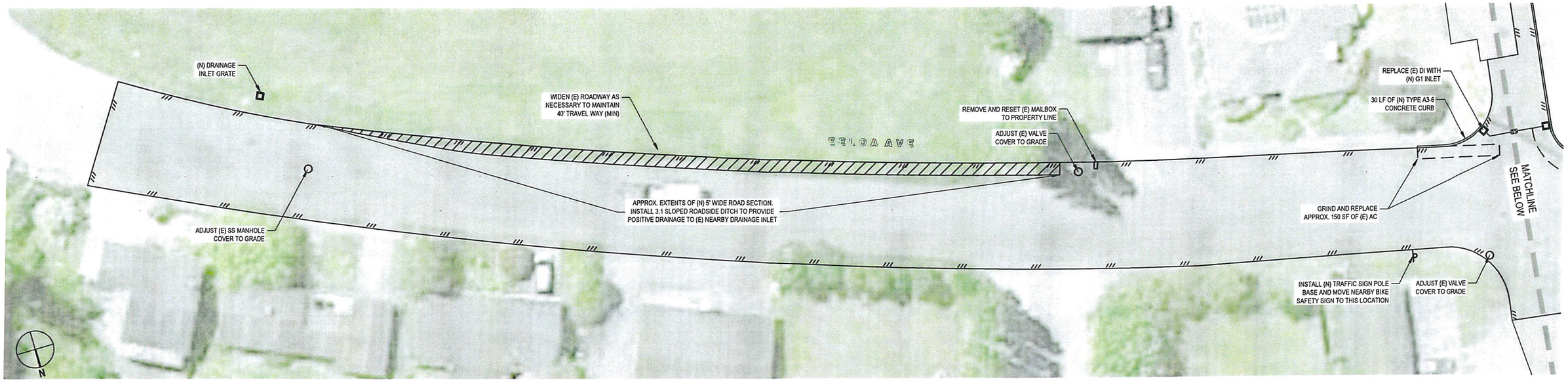
Project No. 8410747

Original Size: ANSI D

Sheet No. C-101

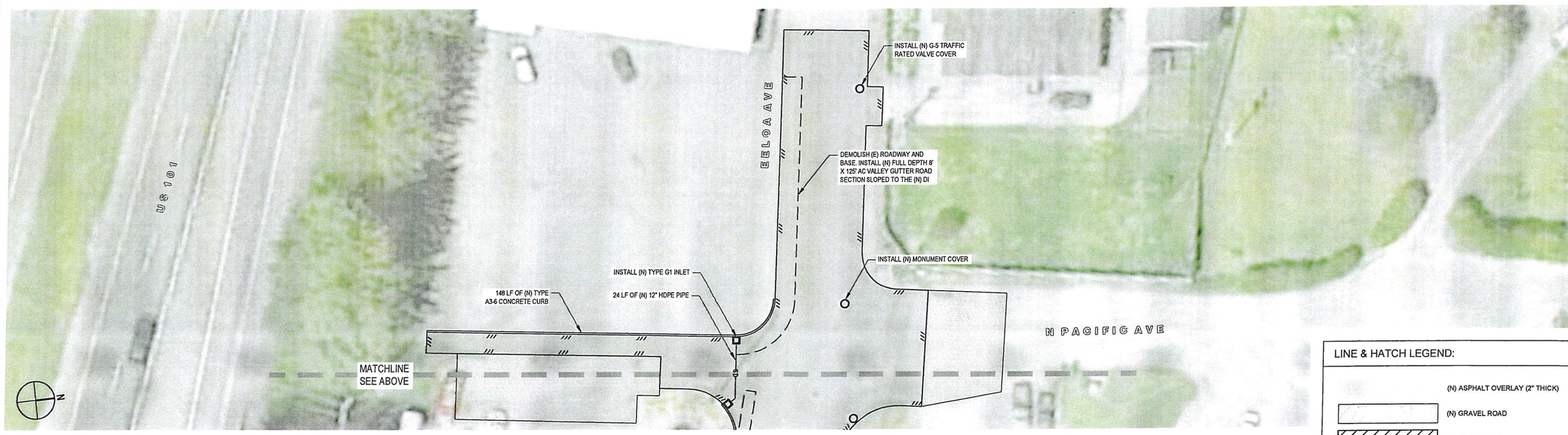
Sheet 2 of

Plot Date: 5 March 2021 - 10:51 AM Plotted By: Christine Provo Filename: C:\Civil 3D Projects\18 Rio Dell - 2021 Streets Project\ACAD 2018\Sheets\Dixie Street.dwg



EELOA AVE IMPROVEMENTS

0 20' 40'



EELOA AVE IMPROVEMENTS

0 20' 40'

LINE & HATCH LEGEND:

- (N) ASPHALT OVERLAY (2" THICK)
- (N) GRAVEL ROAD
- ROAD WIDENING
- (N) EDGE OF PAVEMENT

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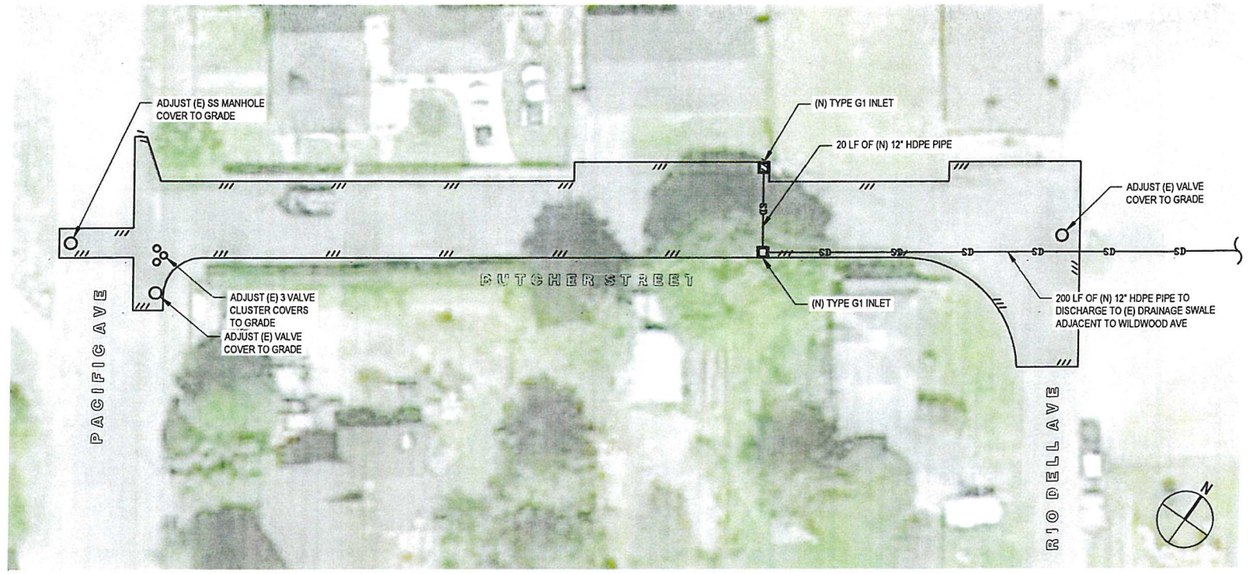
Project 2021 RIO DELL ROAD IMPROVEMENTS PROJECT
Title EELOA AVE

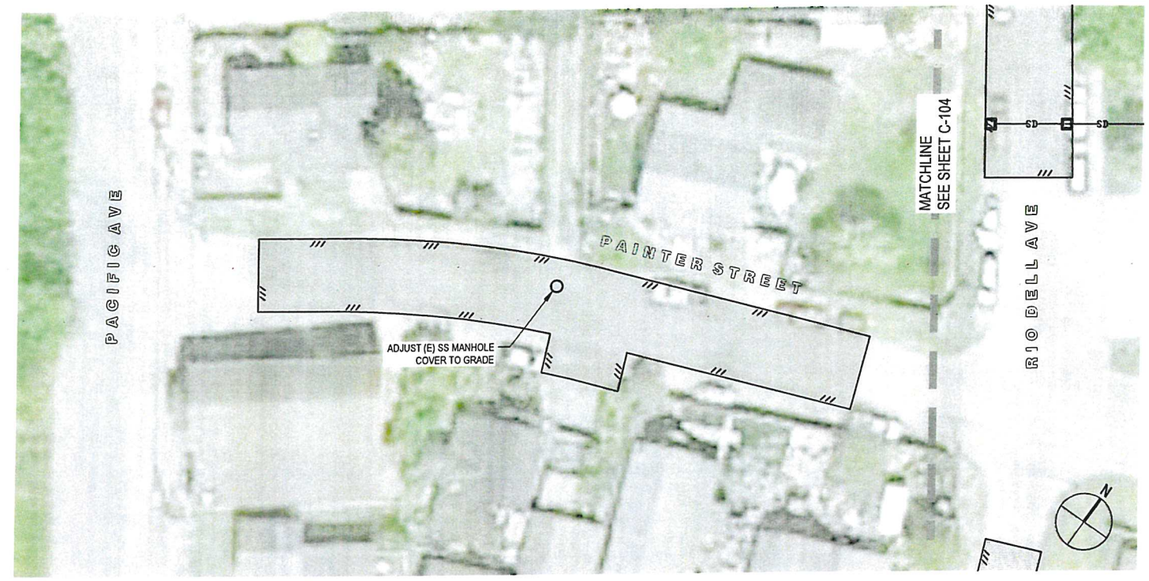
Project No. 8410747
Original Size ANSI D
Sheet No. C-102
Sheet 3 of

Plot Date: 5 March 2021 - 10:51 AM Plotted By: Christine Provo Filename: C:\Civil 3D Projects\18 Rio Dell - 2021 Streets Project\ACAD 2018\Sheets\Eeloa Ave.dwg



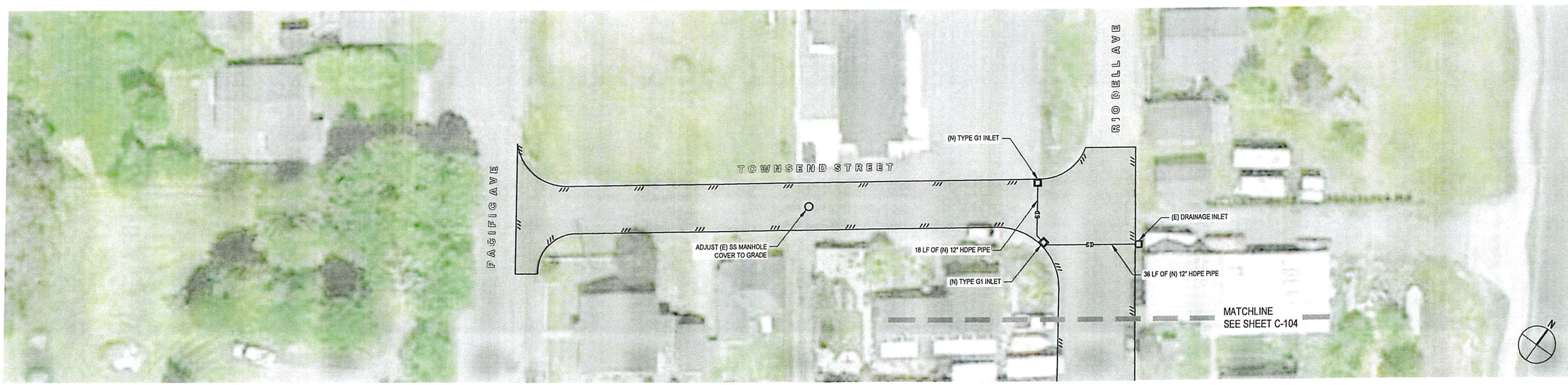
BUTCHER STREET IMPROVEMENTS

0 20' 40'



PAINTER STREET IMPROVEMENTS

0 20' 40'



TOWNSEND STREET IMPROVEMENTS

0 20' 40'

LINE & HATCH LEGEND:

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(N) EDGE OF PAVEMENT

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Client **CITY OF RIO DELL**
Project **2021 RIO DELL ROAD IMPROVEMENTS PROJECT**
Title **BUTCHER, PAINTER AND TOWNSEND STREET**

Project No. 8410747
Original Size ANSI D
Sheet No. **C-103**
Sheet 4 of

Plot Date: 5 March 2021 - 10:52 AM Plotted By: Christine Provo Filename: C:\Civil 3D Projects\18 Rio Dell - 2021 Streets Project\ACAD 2018\Sheets\Butcher Street.dwg

RIO DELL AVE IMPROVEMENTS

0 20' 40'

LINE & HATCH LEGEND:

(N) ASPHALT OVERLAY (2" THICK)

(N) EDGE OF PAVEMENT

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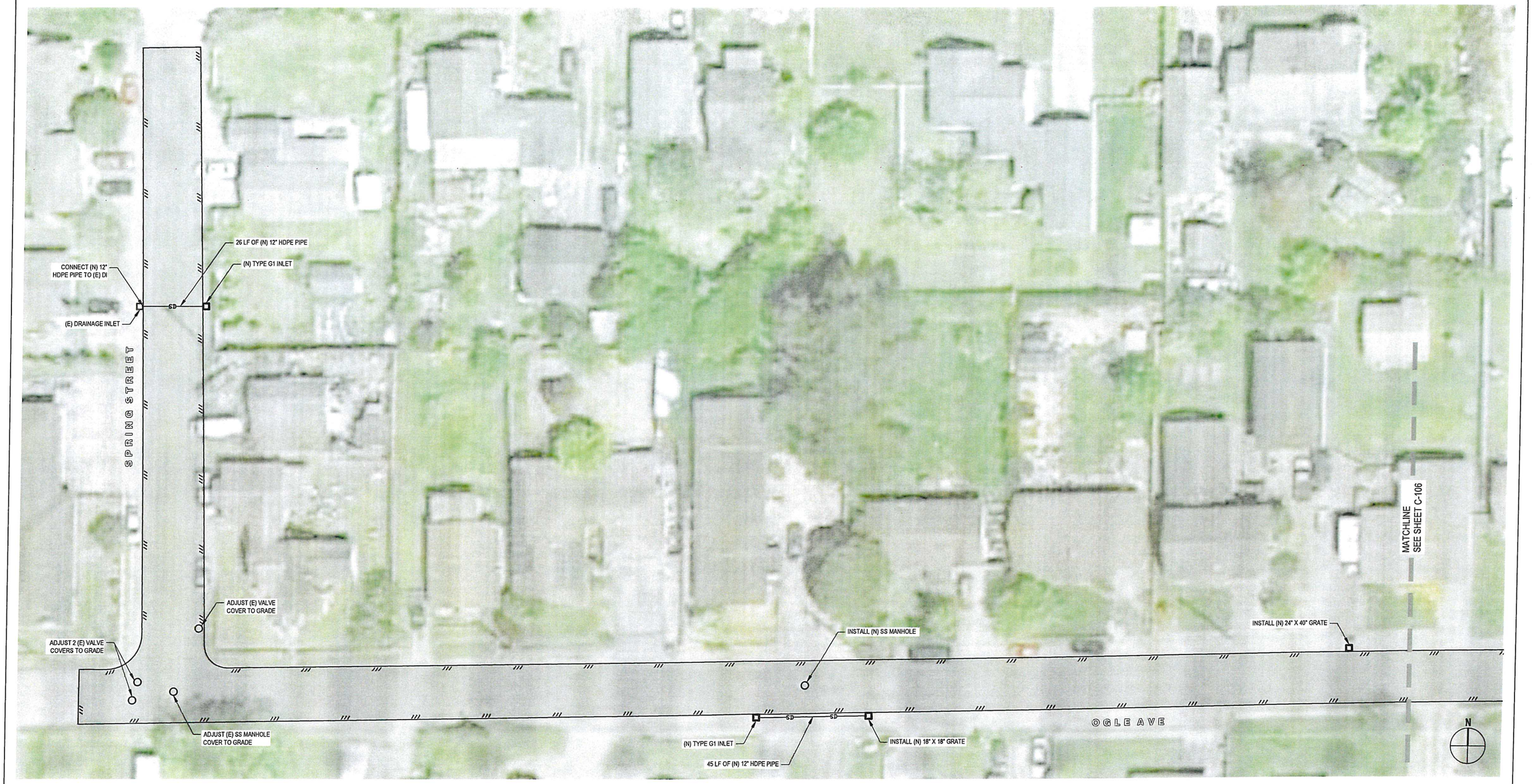
Client: CITY OF RIO DELL
Project: 2021 RIO DELL ROAD IMPROVEMENTS PROJECT
Title: RIO DELL AVE
Project No. 8410747
Original Size: ANSI D
Sheet No. C-104
Sheet 5 of 22

Plot Date: 5 March 2021 - 10:53 AM Plotted By: Christine Provo Filename: C:\Civil 3D Projects\18 Rio Dell - 2021 Streets Project\ACAD 2018\Sheets\Rio Dell Ave.dwg



SPRING ST AND OGLE AVE IMPROVEMENTS

0 20' 40'

LINE & HATCH LEGEND:

(N) ASPHALT OVERLAY (2" THICK)

(N) EDGE OF PAVEMENT

90% DESIGN

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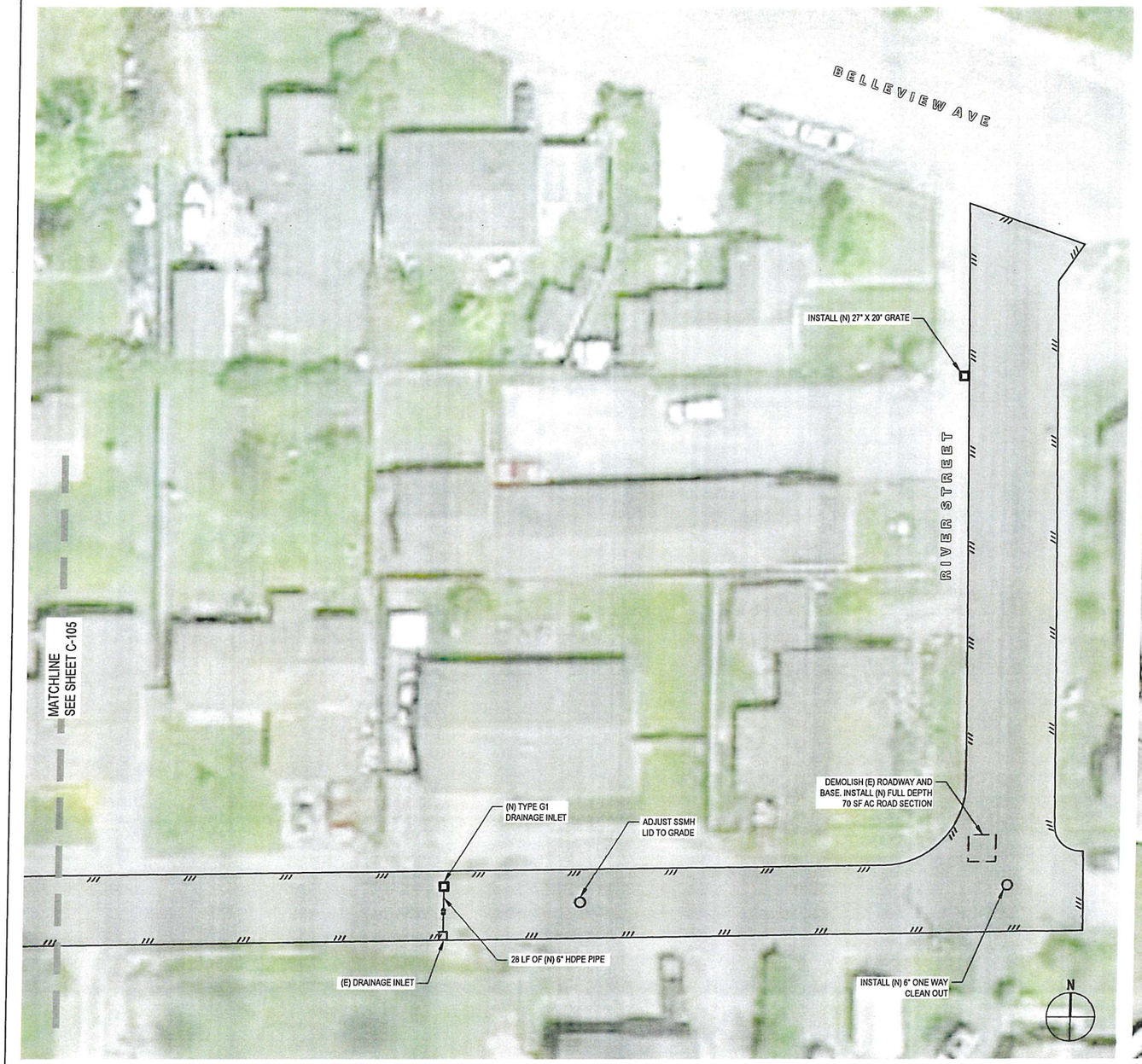
Client CITY OF RIO DELL
Project 2021 RIO DELL ROAD IMPROVEMENTS PROJECT
Title SPRING STREET AND OGLE AVE

Project No. 8410747
Original Size ANSI D
Sheet No. C-105
Sheet 6 of

Plot Date: 5 March 2021 - 10:54 AM Plotted By: Christine Provo Filename: C:\Civil 3D Projects\18 Rio Dell - 2021 Streets Project\ACAD 2018\Sheets\Ogle Ave.dwg



RIVER ST AND OGLE AVE IMPROVEMENTS

0 20' 40'

MILLER CT IMPROVEMENTS

0 20' 40'

LINE & HATCH LEGEND:

(N) ASPHALT OVERLAY (2" THICK)

(N) EDGE OF PAVEMENT

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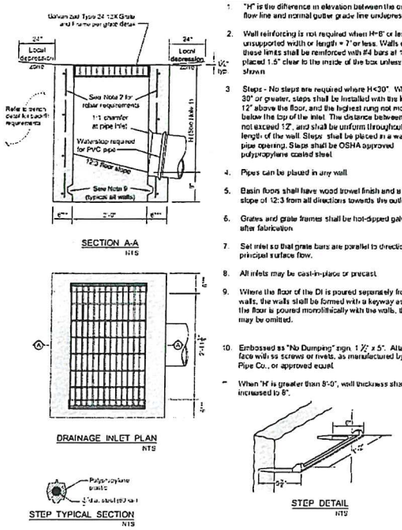
Client: CITY OF RIO DELL
Project: 2021 RIO DELL ROAD IMPROVEMENTS PROJECT
Title: MILLER COURT, OGLE AVE AND RIVER STREET

Project No. 8410747
Original Size: ANSI D
Sheet No. C-106
Sheet 7 of

Plot Date: 5 March 2021 - 10:55 AM Plotted By: Christine Provo Filename: C:\Civil 3D Projects\18 Rio Dell - 2021 Streets Project\ACAD 2018\Sheets\Ogle Ave 2.dwg



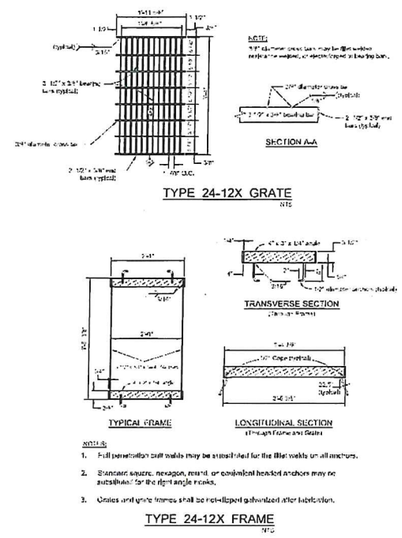
NOTES:

1. "H" is the difference in elevation between the outlet pipe flow line and normal gutter grade line unimpeded.
2. Wall reinforcing is not required when H=8' or less and the unsupported width or length = 7' or less. Walls exceeding these limits shall be reinforced with #4 bars at 18" O.C. placed 1.5" clear to the inside of the box unless otherwise shown.
3. Steps - No steps are required where H<30". Where H is 30" or greater, steps shall be installed with the lowest rung 12" above the floor, and the highest rung not more than 6" below the top of the inlet. The distance between steps shall not exceed 12", and shall be uniform throughout the entire length of the wall. Steps shall be placed in a wall without a pipe opening. Steps shall be OSHA approved polypropylene coated steel.
4. Pipes can be placed in any wall.
5. Basin floors shall have wood trowel finish and a minimum slope of 12:3 from all directions towards the outlet pipe.
6. Grates and grate frames shall be hot-dipped galvanized after fabrication.
7. Set inlet so that grate bars are parallel to direction of principal surface flow.
8. All inlets may be cast-in-place or precast.
9. Where the floor of the DI is poured separately from the walls, the walls shall be formed with a keyway as shown. If the floor is poured monolithically with the walls, the keyway may be omitted.
10. Embossed as "No Dumping" sign, 1.75" x 5". Attach to DI face with ss screws or rivets, as manufactured by Hillsier Pipe Co., or approved equal.

* When "H" is greater than 8'-0", wall thickness shall be increased to 8".

1 C-501 DRAINAGE INLET (TYPE G1)

NTS

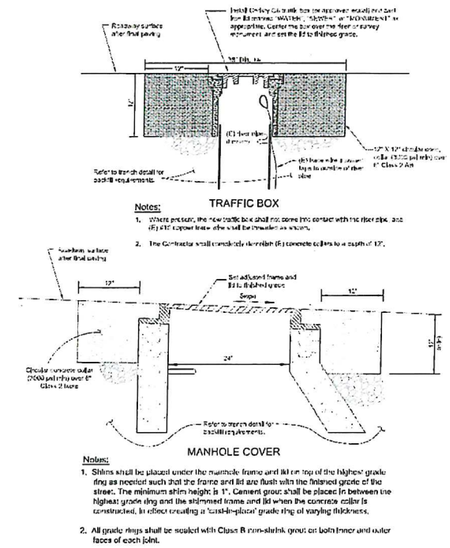


NOTES:

1. Hilti penetration bolt holes may be substituted for the Hilti wedge on all anchors.
2. Stainless square, hexagon, round, or countersunk headed anchors may be substituted for the right angle hooks.
3. Grates and grate frames shall be hot-dipped galvanized after fabrication.

2 C-501 DRAINAGE INLET (TYPE 24-12X GRATE AND FRAME)

NTS



Notes:

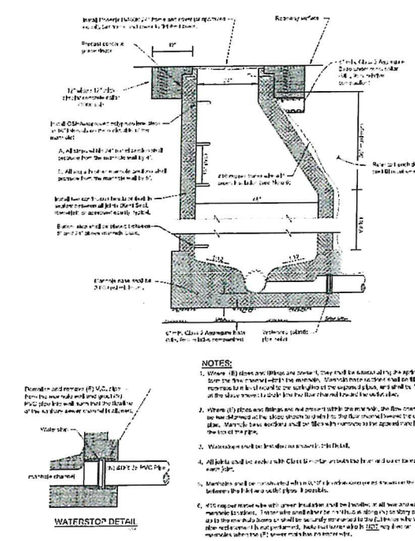
1. Where pressure, the new traffic box shall not come into contact with the riser pipe, and (R) 6" capped tees, the shall be threaded as shown.
2. The Contractor shall immediately remove (R) concrete collars to a depth of 12".

Notes:

1. Shims shall be placed under the manhole frame and lid on top of the highest grade ring as needed such that the frame and lid are flush with the finished grade of the street. The minimum shim height is 1". Cement grout shall be placed in between the highest grade ring and the adjusted frame and lid when the concrete collar is constructed, in effect creating a "castle-in-place" grade ring of varying thickness.
2. All grade rings shall be sealed with Class B non-shrink grout on both inner and outer faces of each joint.

3 C-501 TRAFFIC BOX/MANHOLE ADJUSTMENT TO GRADE

NTS

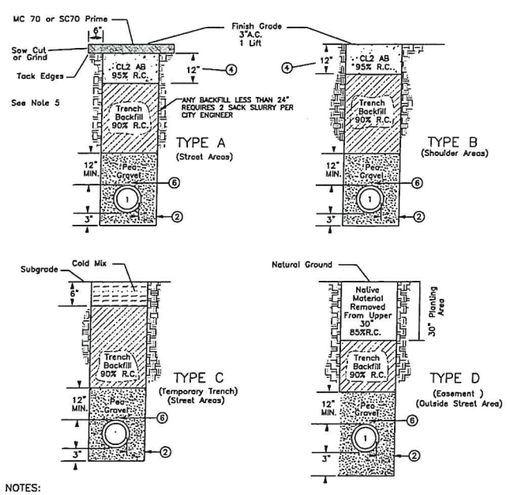


NOTES:

1. Where (R) shown are fittings are tees, they shall be oriented along the alignment to form the flow channel within the manhole. Channel inverts shall be flush with the manhole inlet and outlet pipe inverts to provide the smoothest possible flow channel.
2. Where (R) pipes are fittings are not present within the manhole, the flow channel shall be formed in the shape shown to match the flow channel inverts of the outlet pipe. Manhole base sections shall be filled with concrete to the specified grade level for the invert ranges.
2. Waterstops shall be installed as shown in this Detail.
4. All joints shall be made with Class B mortar and shall be hand troweled smooth at each joint.
5. Manholes shall be constructed with a 30" flat bottom concrete section to the Plans between the bottom of the outlet pipe. If possible.
6. ASTM required metal rebar with cement insulation shall be installed in all new and existing manhole bottoms. These rebar shall be tied to the rebar stirrups to stay the rebar and to prevent the bottoms to shift or be unduly stressed by the Contractor while the concrete is being poured. Rebar shall not be allowed to NOT reach the manhole sides or the (R) sewer main pipe or manhole.

4 C-501 SANITARY SEWER MANHOLE DETAIL

NTS

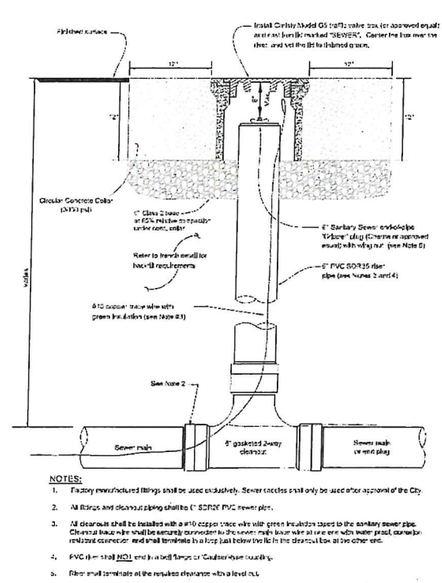


NOTES:

1. PIPE OR CONDUIT
2. PIPE DIAMETER 12" OR LESS: 6" MIN. – 9" MAX. PIPE DIAMETER GREATER THAN 12": 9" MIN. – 12" MAX.
3. RELATIVE COMPACTION DESIGNATED R.C.
4. THE STREET STRUCTURAL SECTION SHALL BE 3" A.C. ON 12" A.B. OR AS SPECIFIED ON PLANS.
5. NEATLY CUT PAVEMENT 6" FROM EDGE OF TRENCH AFTER TRENCH IS BACKFILLED.
6. # 10 COPPER TRACER WIRE TO BE NEAR PIPE.

5 C-501 STANDARD TRENCH DETAILS

NTS

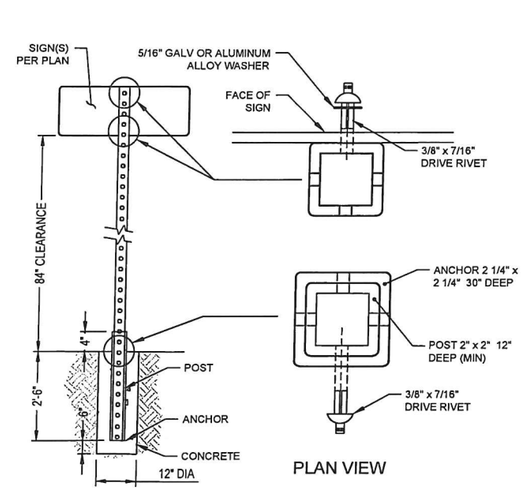


NOTES:

1. Factory manufactured fittings shall be used exclusively. Sewer saddles shall only be used after approval of the City.
2. All fittings and cleanout piping shall be 6" SDR35 PVC sewer pipe.
3. All cleanouts shall be installed with a #10 copper trace wire with green insulation taped to the sanitary sewer pipe. Cleanout trace wire shall be securely connected to the sewer main trace wire at one end with water proof connector, and shall terminate in a loop just below the lid in the cleanout box at the other end.
4. PVC riser shall NOT end in a bell flange or "Gaulder-type coupling.
5. Riser shall terminate at the required clearance with a level lid.

6 C-501 SANITARY SEWER CLEAN OUT DETAIL

NTS

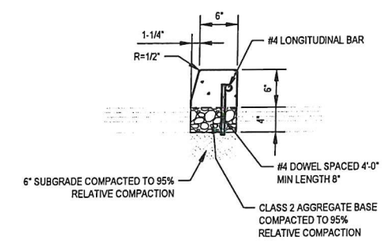


NOTE:

1. POST, SLEEVE AND ANCHOR SHALL BE HOT DIPPED GALVANIZED STEEL CONFORMING TO ASTM A653 DES. G90.
2. PROVIDE 48" CLEAR PATH OF TRAVEL AROUND SIGN POSTS WITH LOCATED IN SIDEWALKS, DRIVEWAYS, OR CURB RAMPS.
3. SIGN PANELS SHALL NOT ENCROACH PAST CURB FACE.

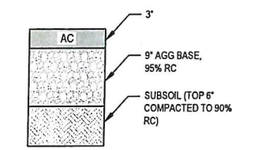
7 C-501 TYPICAL ROADSIDE SIGN, 1-POST DETAIL

SCALE: NTS



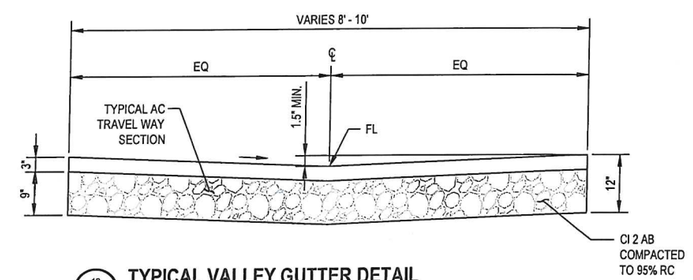
8 C-501 CURB DETAIL - TYPE A3-6

SCALE: NTS



9 C-501 TYPICAL AC TRAVEL WAY

NTS



10 C-501 TYPICAL VALLEY GUTTER DETAIL

NTS

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Client CITY OF RIO DELL

Project 2021 RIO DELL ROAD IMPROVEMENTS PROJECT

Title CONSTRUCTION DETAILS

Project No. 8410747

Original Size ANSI D

Sheet No. C-501

Sheet 8 of -25-