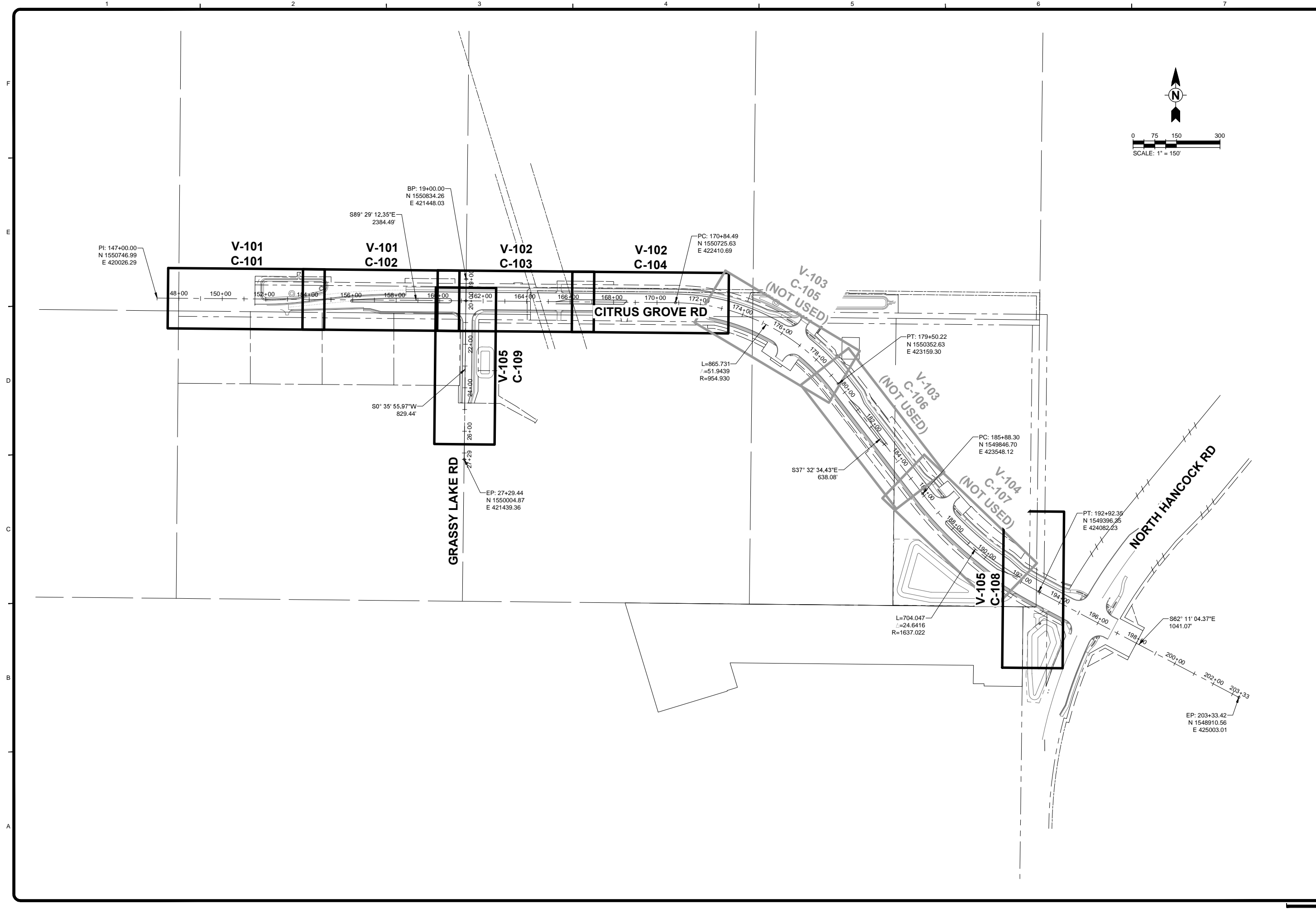


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CITY OF MINNEOLA
 CITRUS GROVE UTILITY RELOCATES
KEY MAP

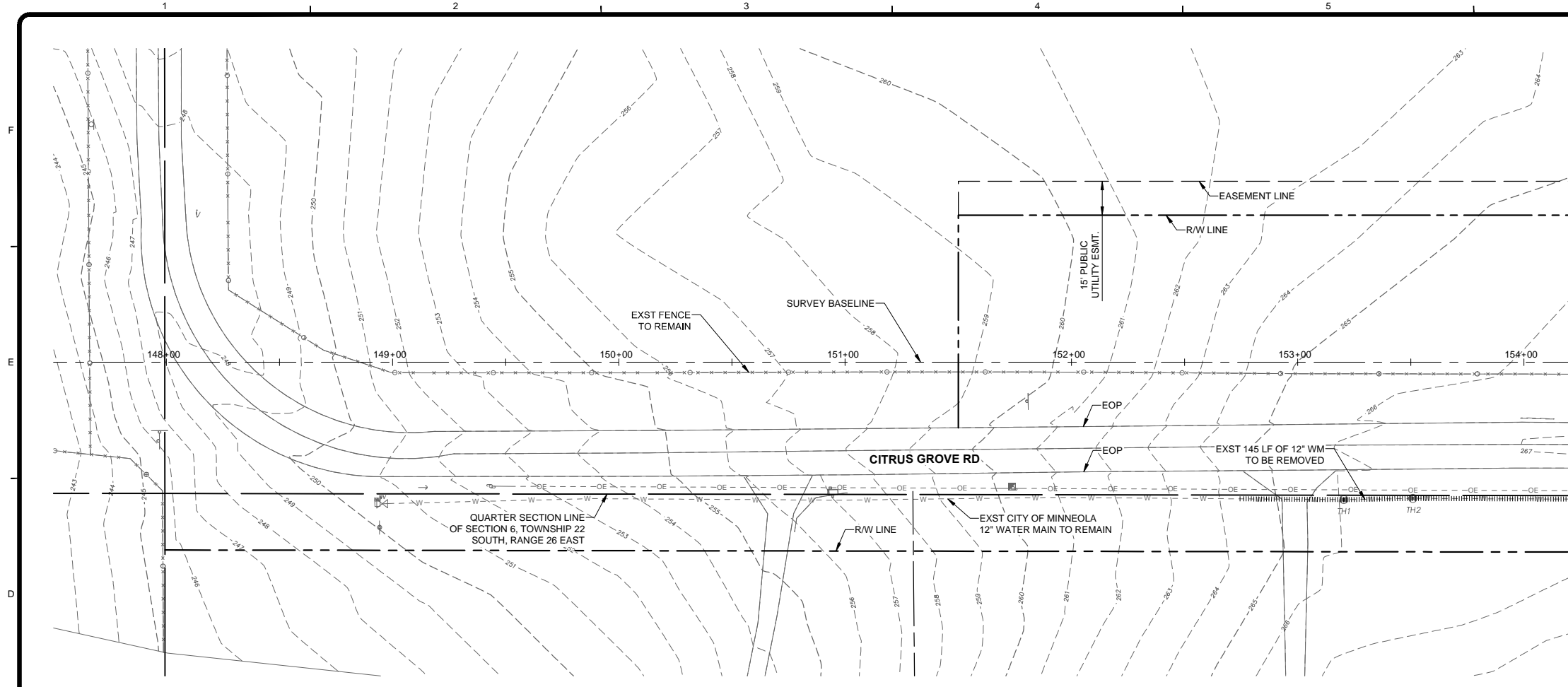
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 Designed By: BDR
 Drawn By: PD
 Checked By: JDF

G-002
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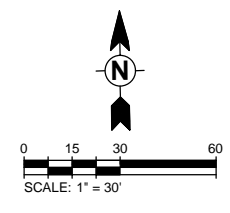
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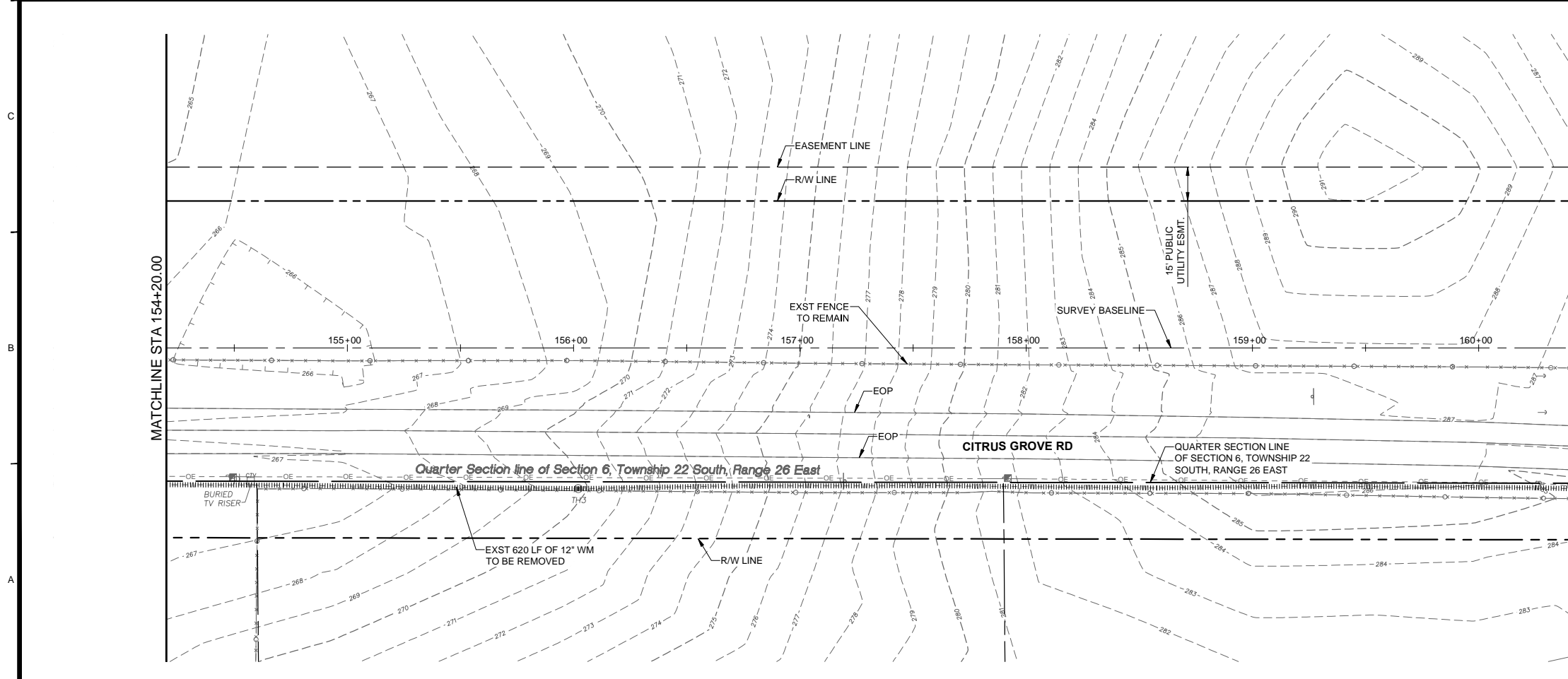


MATCHLINE STA 154+20.00



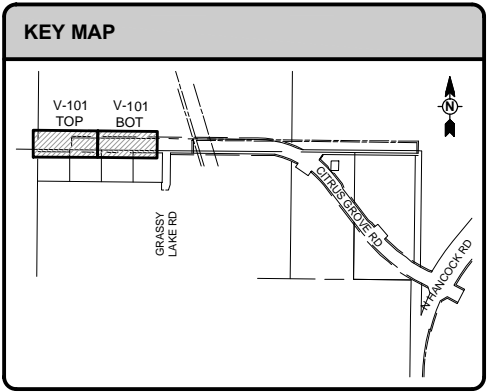
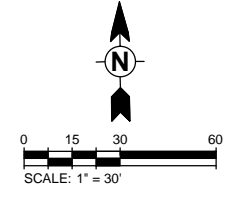
NOTES

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MATCHLINE STA 154+20.00

MATCHLINE STA 160+40.00



MARK	DATE	DESCRIPTION

BY

CITY OF MINNEOLA
CITRUS GROVE UTILITY RELOCATES
EXISTING CONDITIONS
AND DEMOLITION PLAN

Project No.: 200-08520-17002
Designed By: BDR
Drawn By: PD
Checked By: JDF

V-101
Sheet

Bar Measures 1 inch

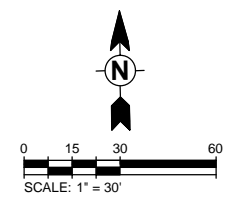
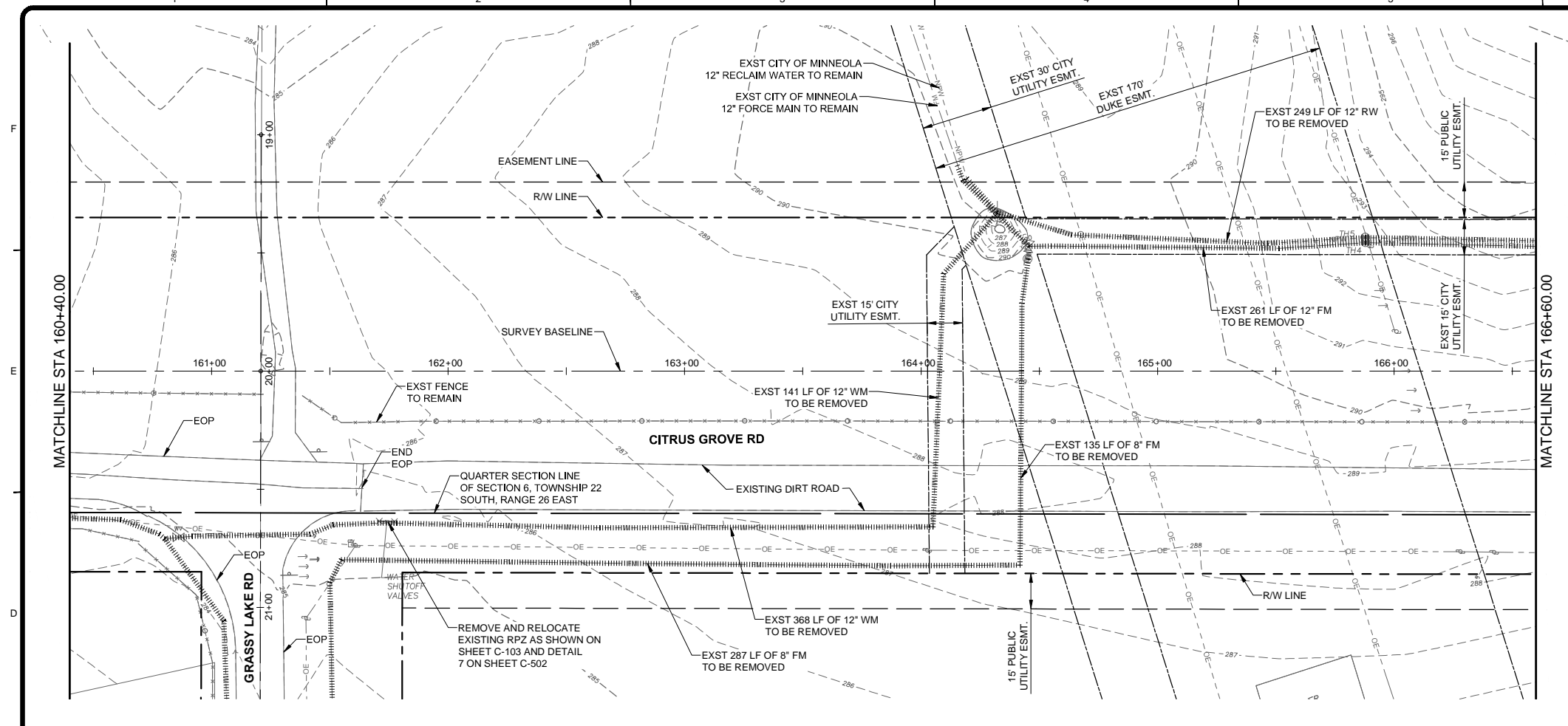
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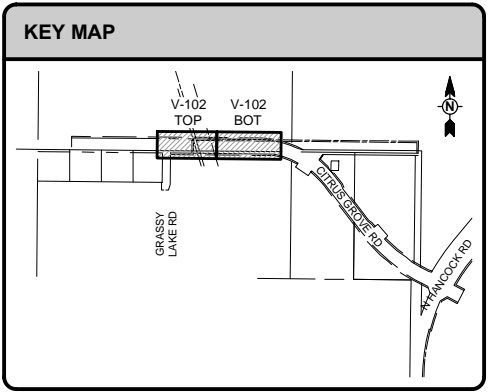
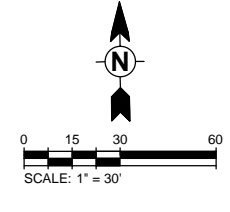
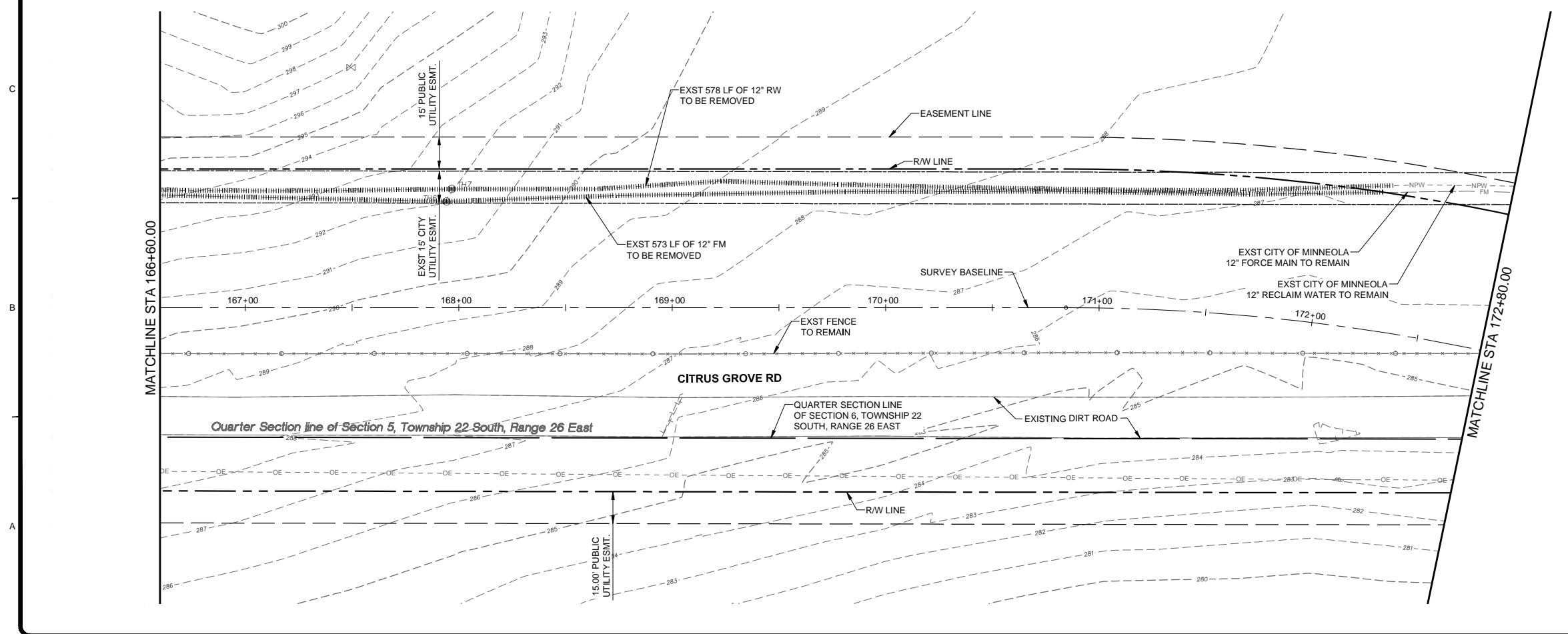
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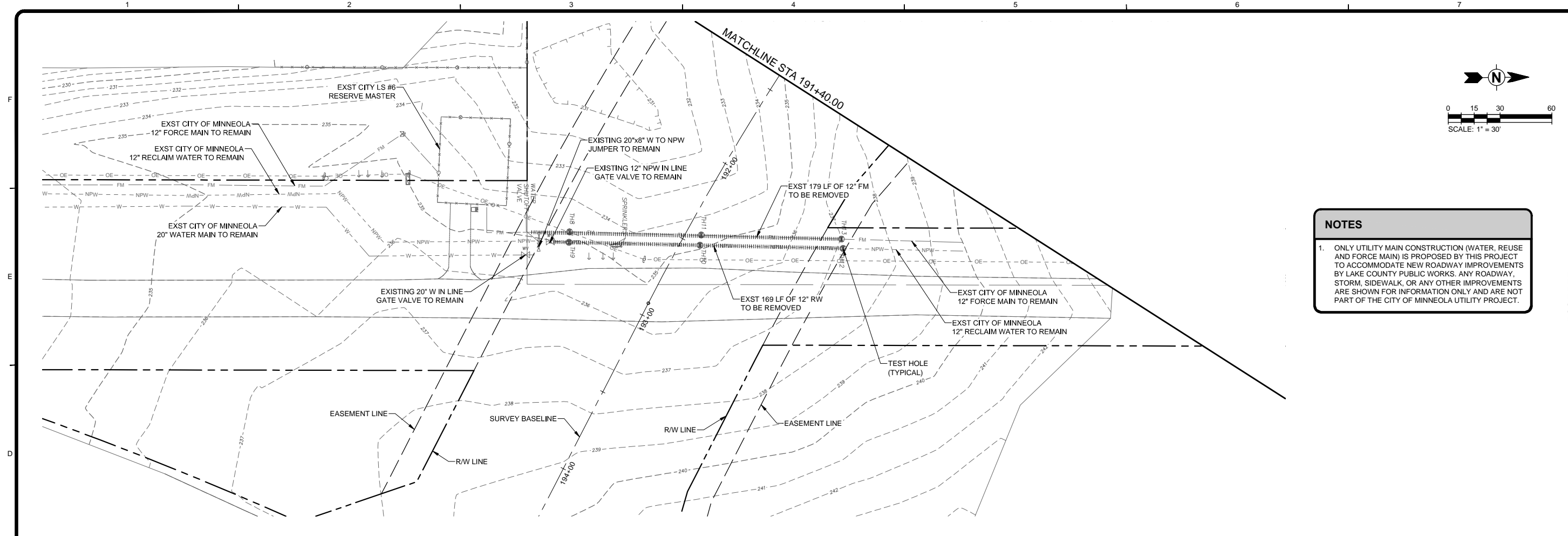
NOTES

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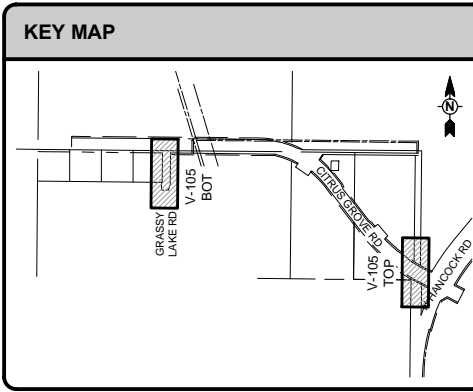
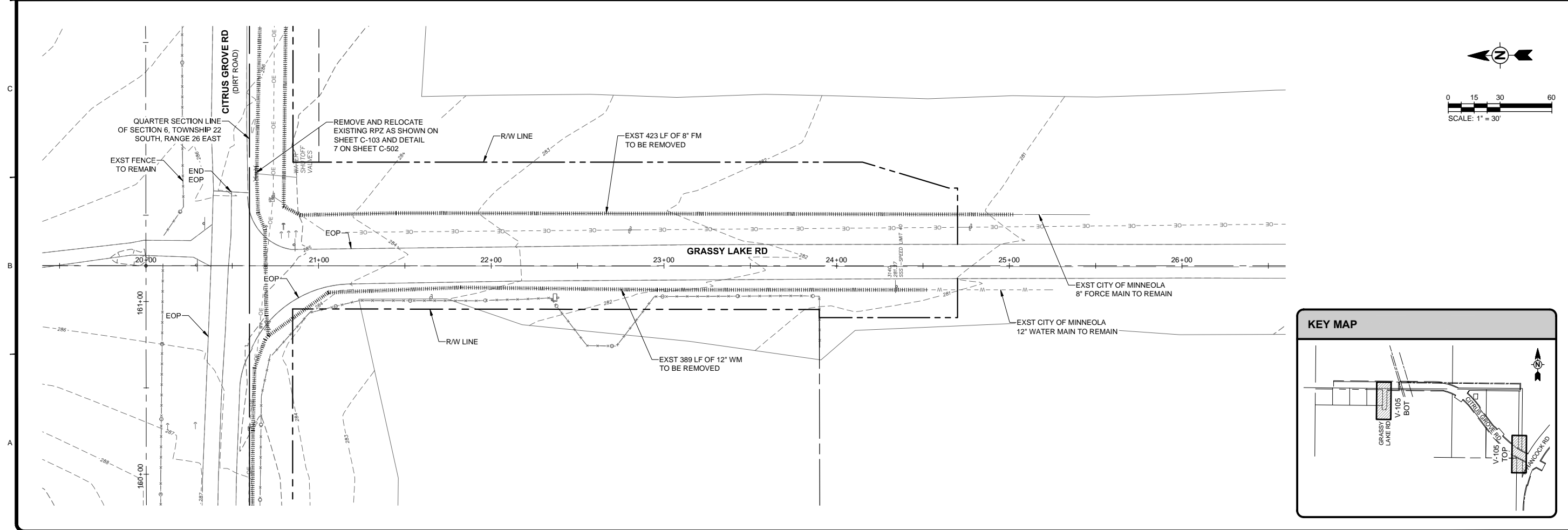
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	www.tetra.tech.com 201 EAST PINE STREET, SUITE 1000 ORLANDO, FL 32801 PHONE: 407.839.3965 FAX: 407.839.3790	
CITY OF MINNEOLA CITRUS GROVE UTILITY RELOCATES EXISTING CONDITIONS AND DEMOLITION PLAN		
BY		
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Checked By: JDF		
V-102		
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Bar Measures 1 inch		

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MARK	DATE	DESCRIPTION

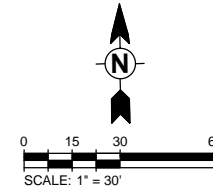
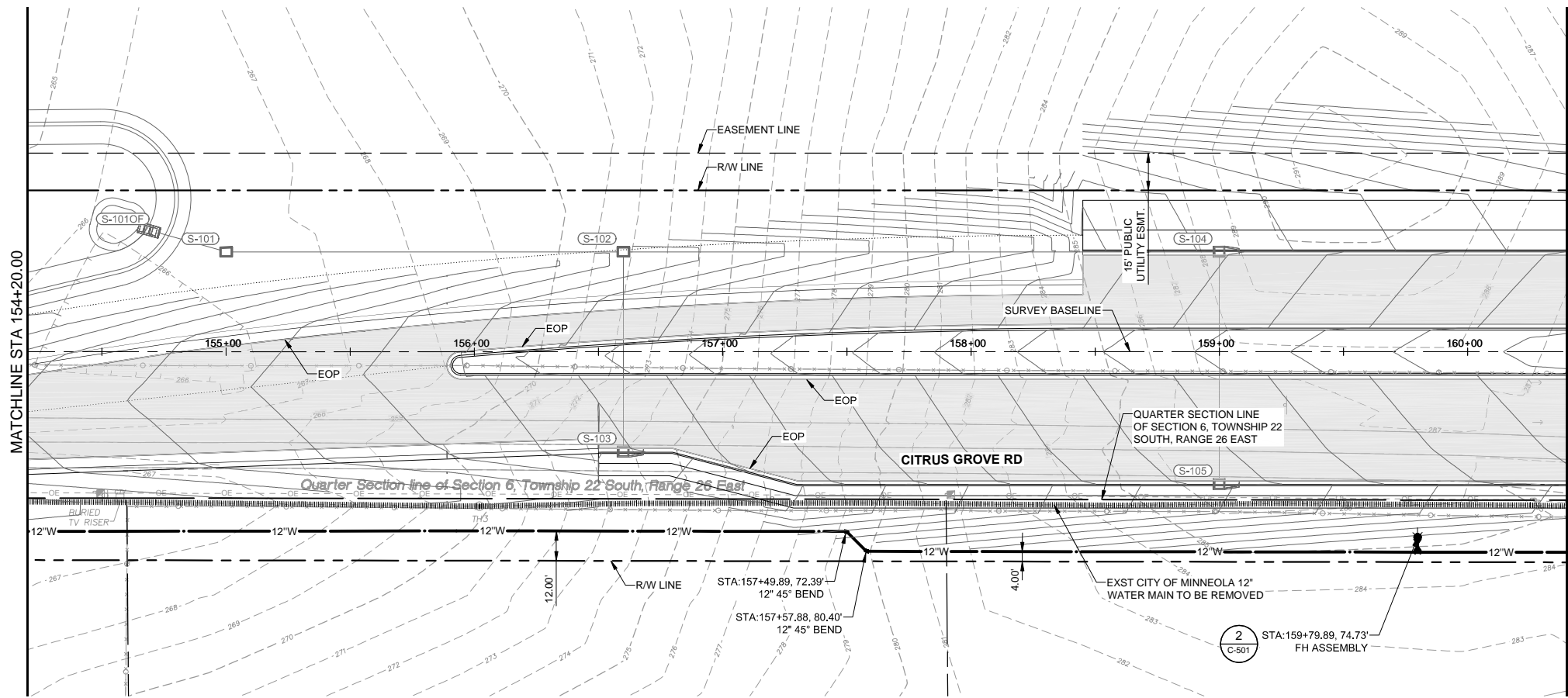
CITY OF MINNEOLA	Project No.: 200-08520-17002
CITRUS GROVE UTILITY RELOCATES	Designed By: BDR
EXISTING CONDITIONS AND DEMOLITION PLAN	Drawn By: PD
	Checked By: JDF

V-105
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Bar Measures 1 inch

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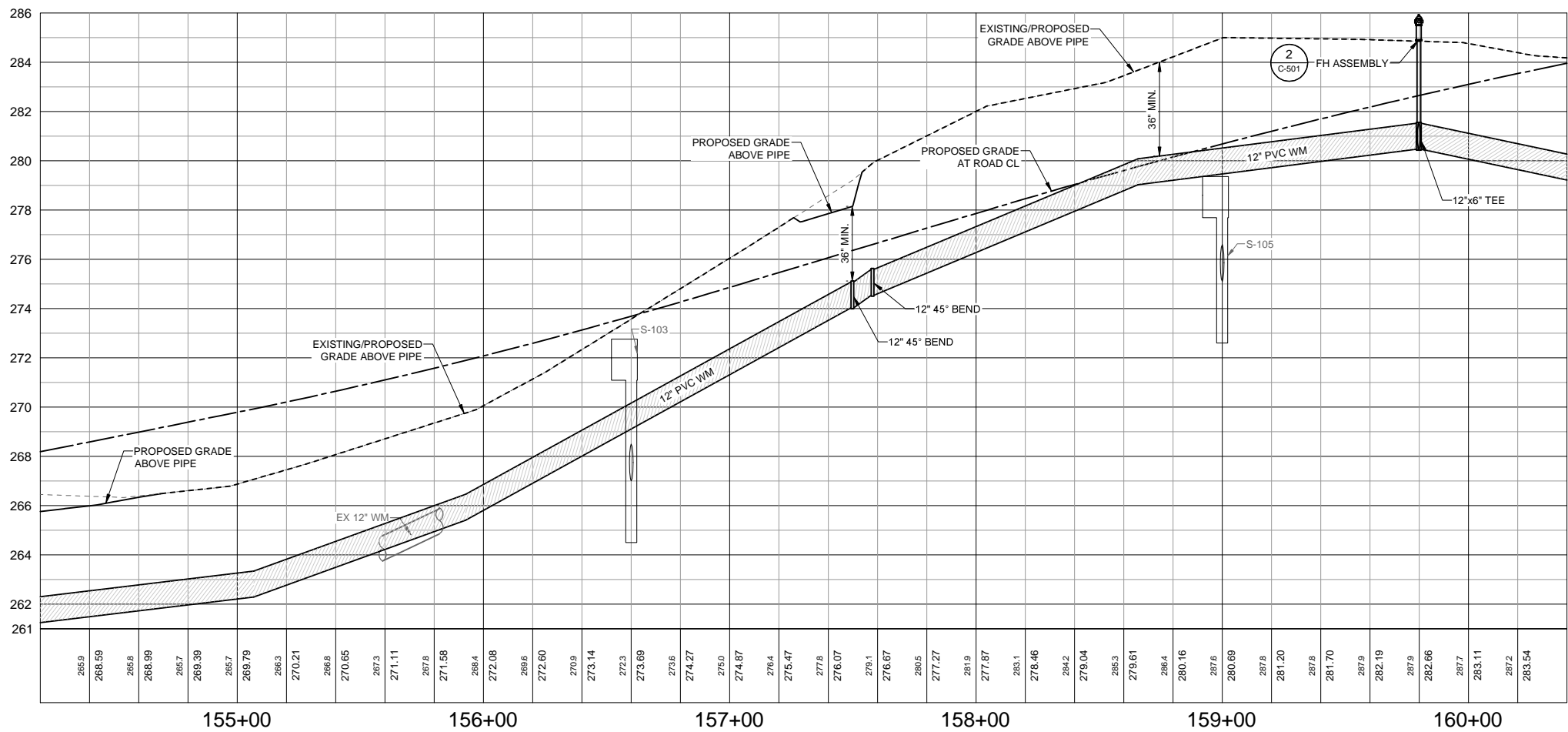
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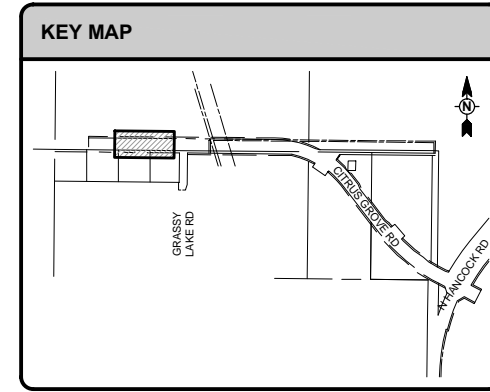


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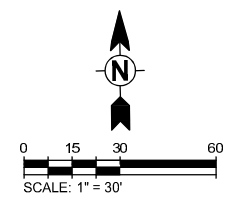
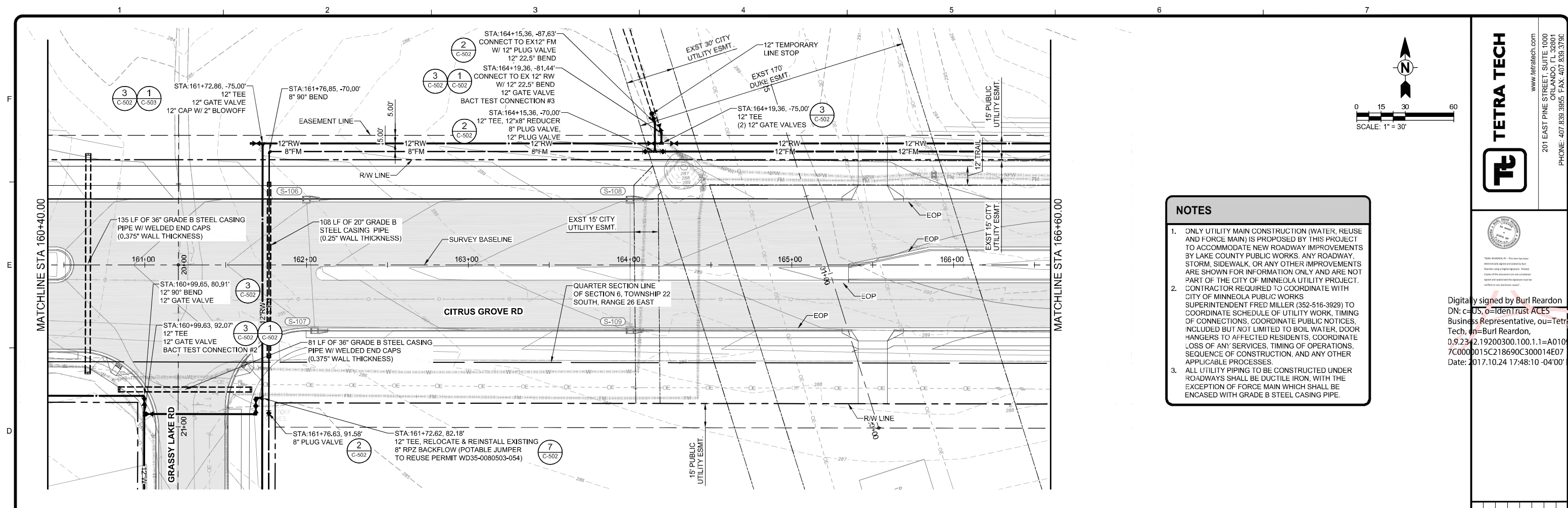
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BY	DATE	DESCRIPTION

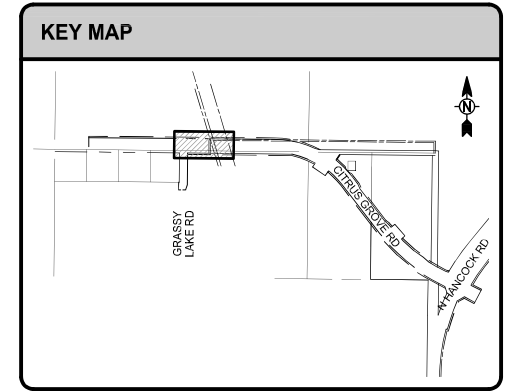
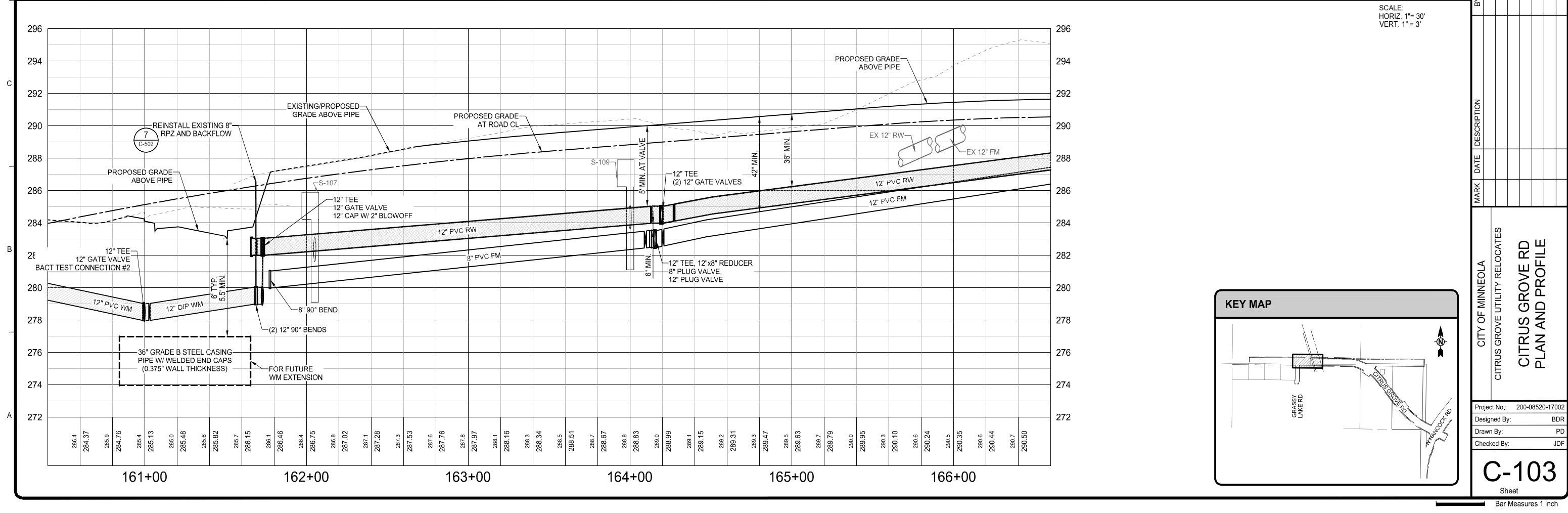
CITY OF MINNEOLA
 CITRUS GROVE UTILITY RELOCATES
**CITRUS GROVE RD
 PLAN AND PROFILE**

Project No.: 200-08520-17002
 Designed By:
 Drawn By:
 Checked By:



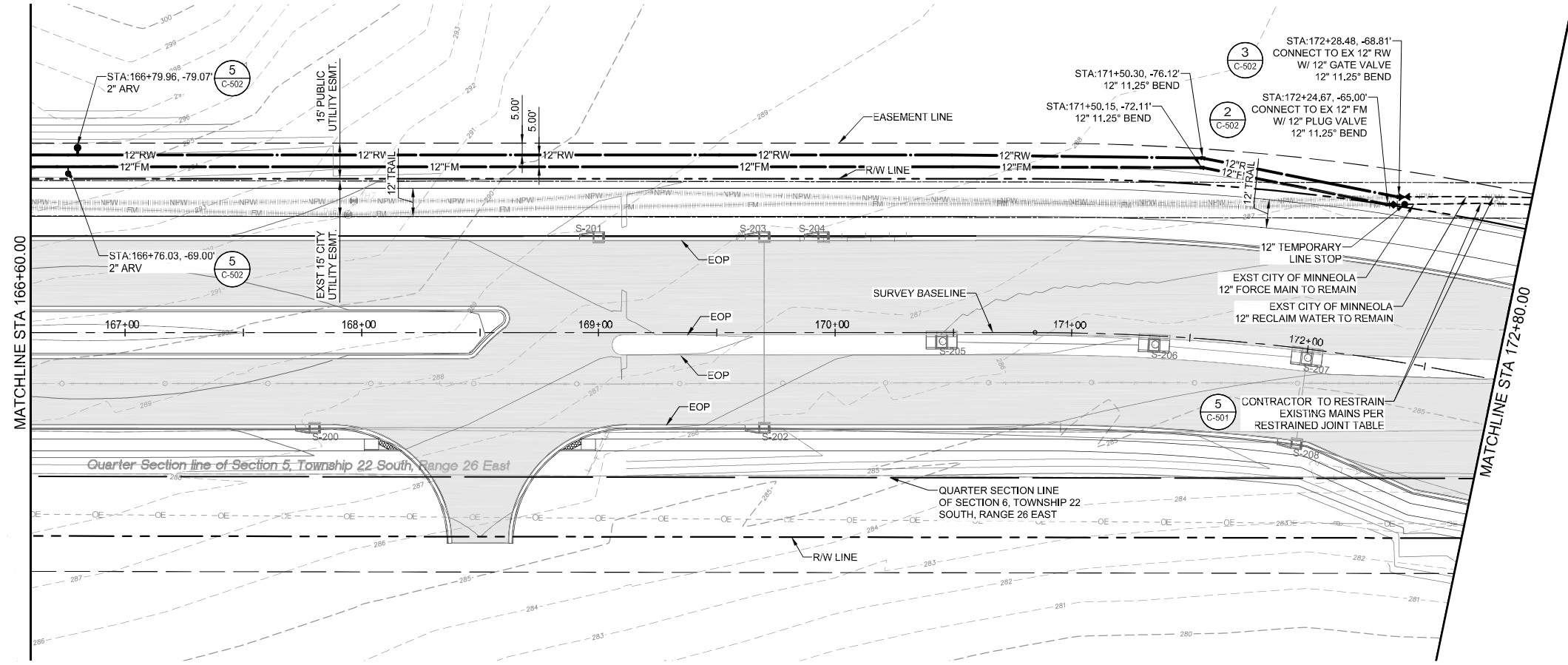
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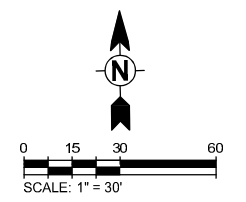
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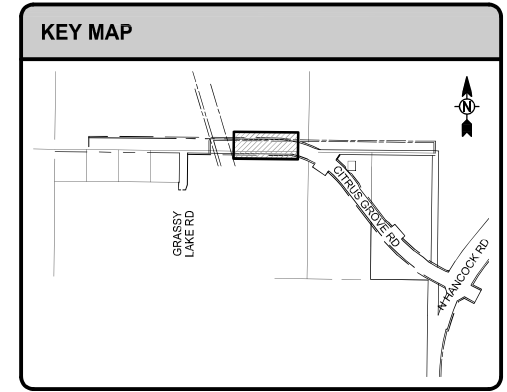
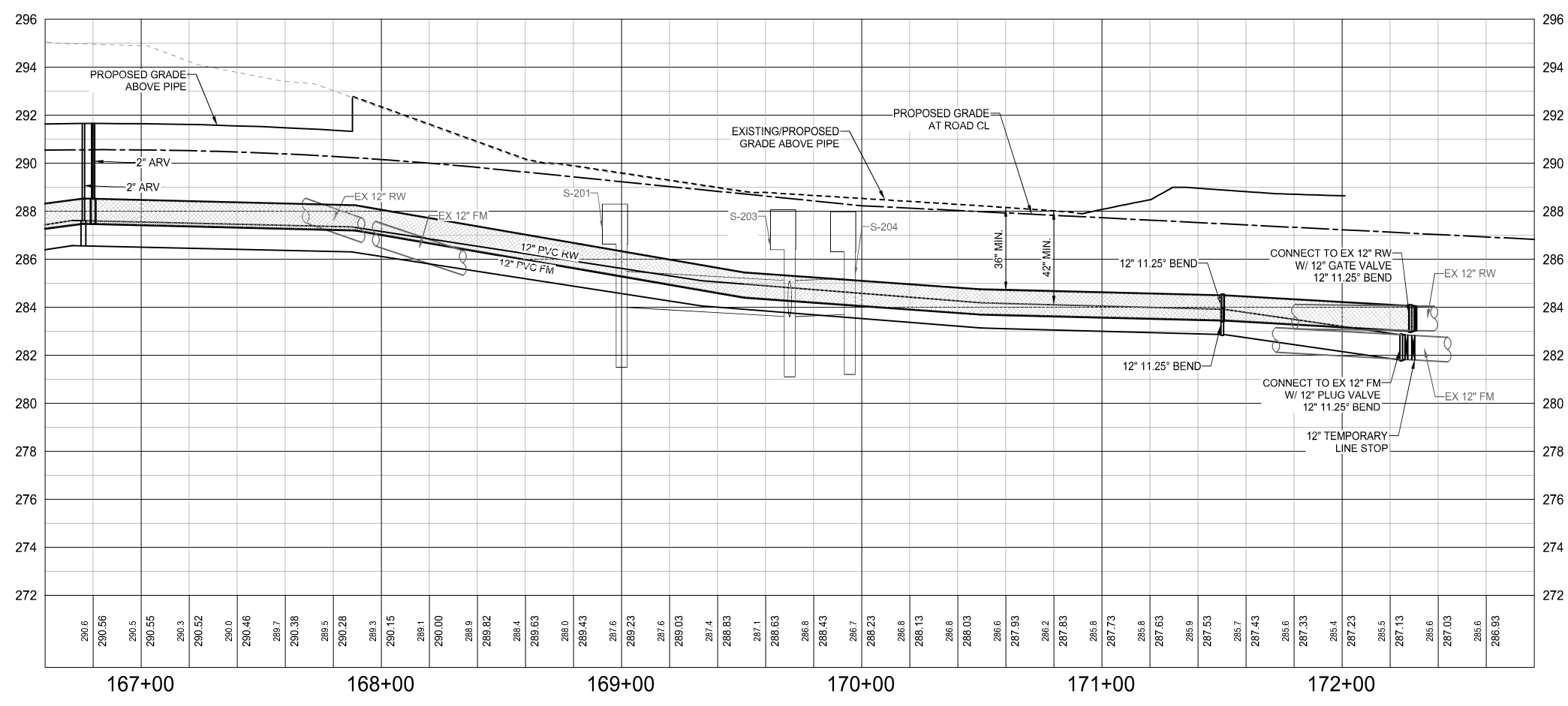


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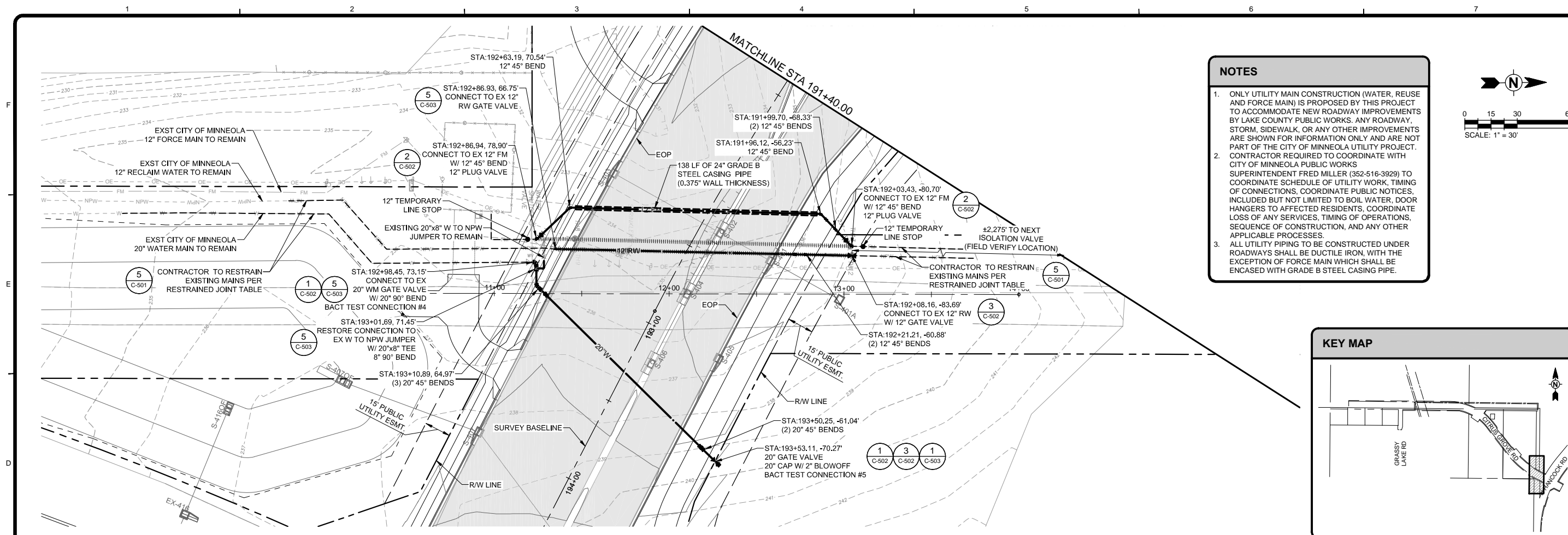


BY	DATE	DESCRIPTION

Project No.: 200-08520-17002
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 Drawn By: PD
 Checked By: JDF

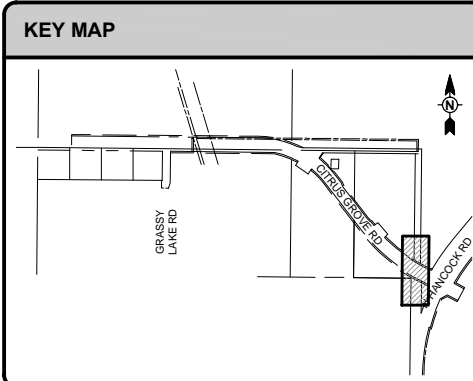
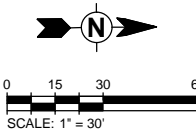
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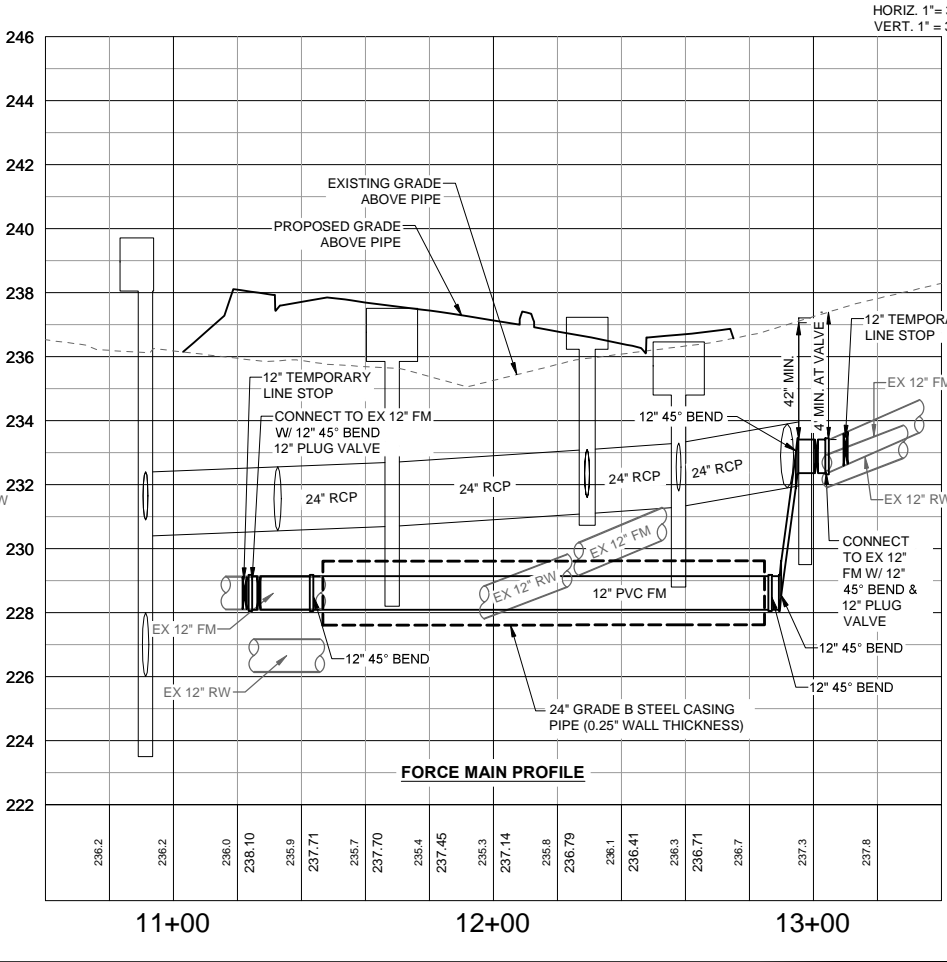
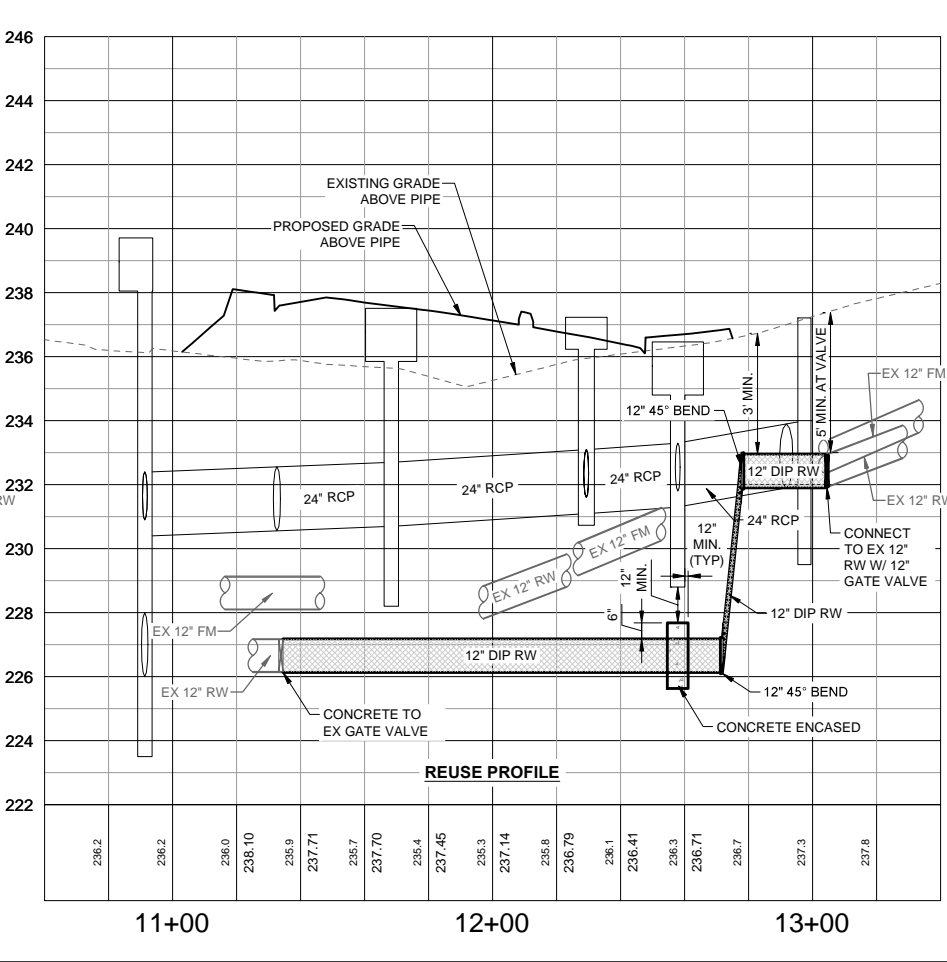
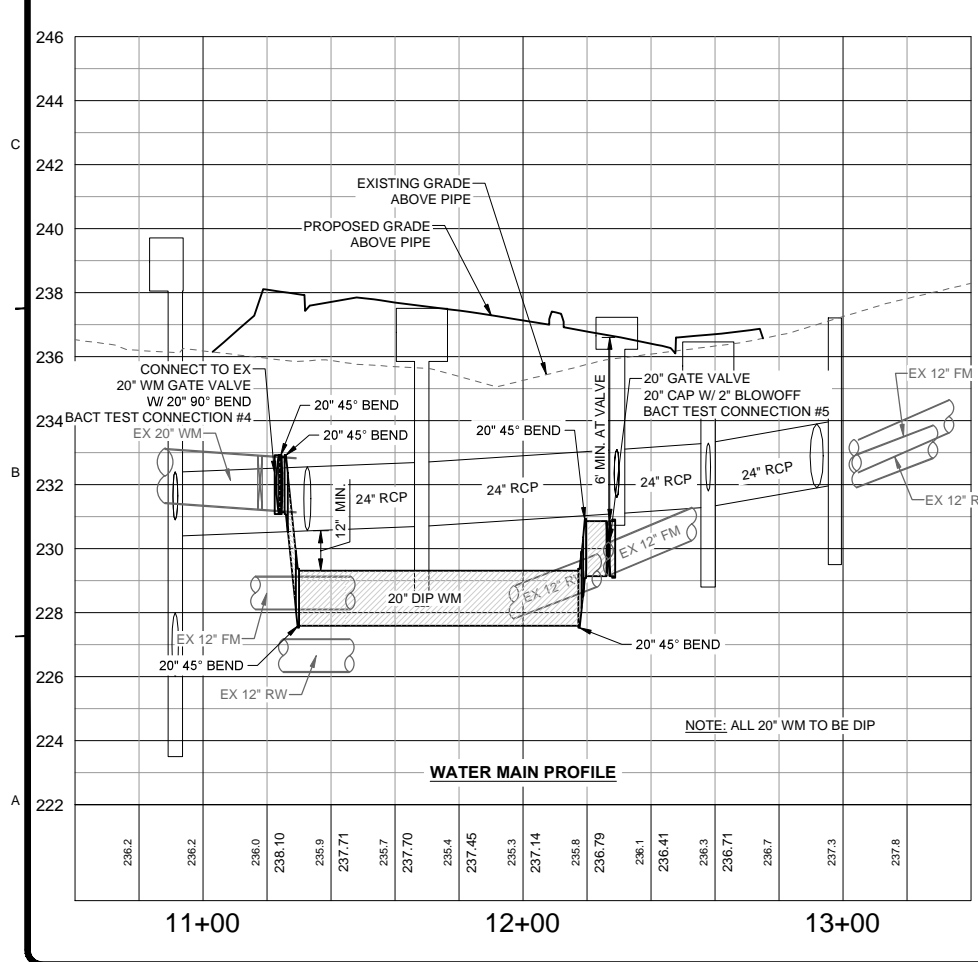


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BY	DATE	DESCRIPTION

CITY OF MINNEOLA
CITRUS GROVE UTILITY RELOCATES

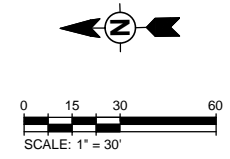
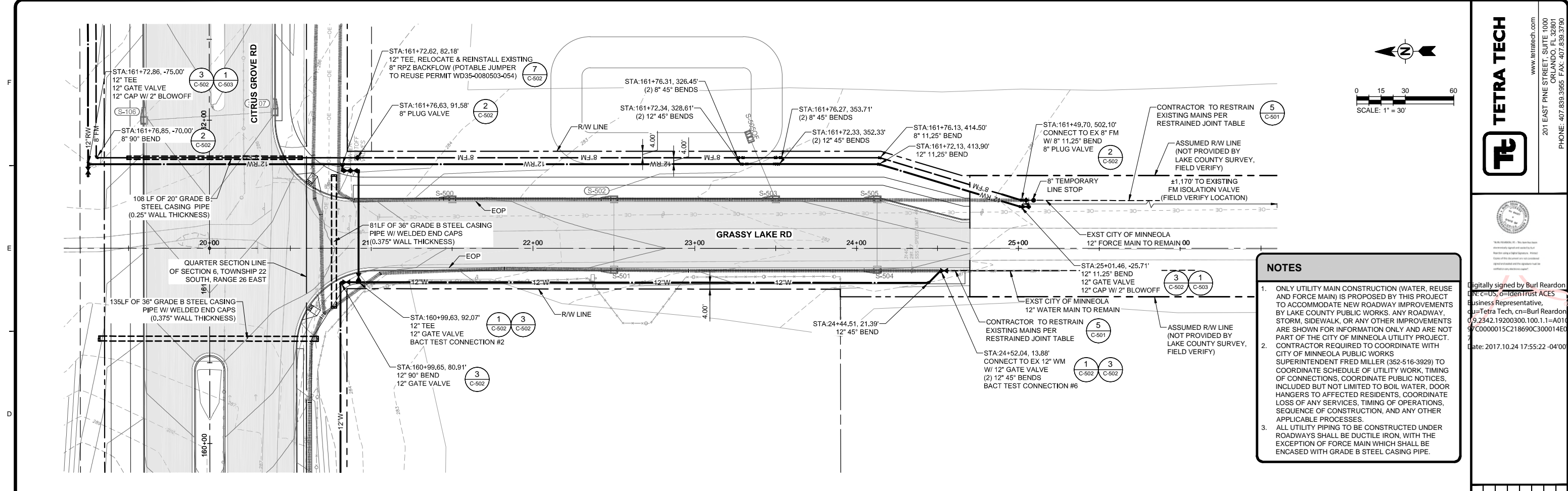
CITRUS GROVE RD PLAN AND PROFILE

Project No.: 200-08520-17002
Designed By: BDR
Drawn By: PD
Checked By: JDF

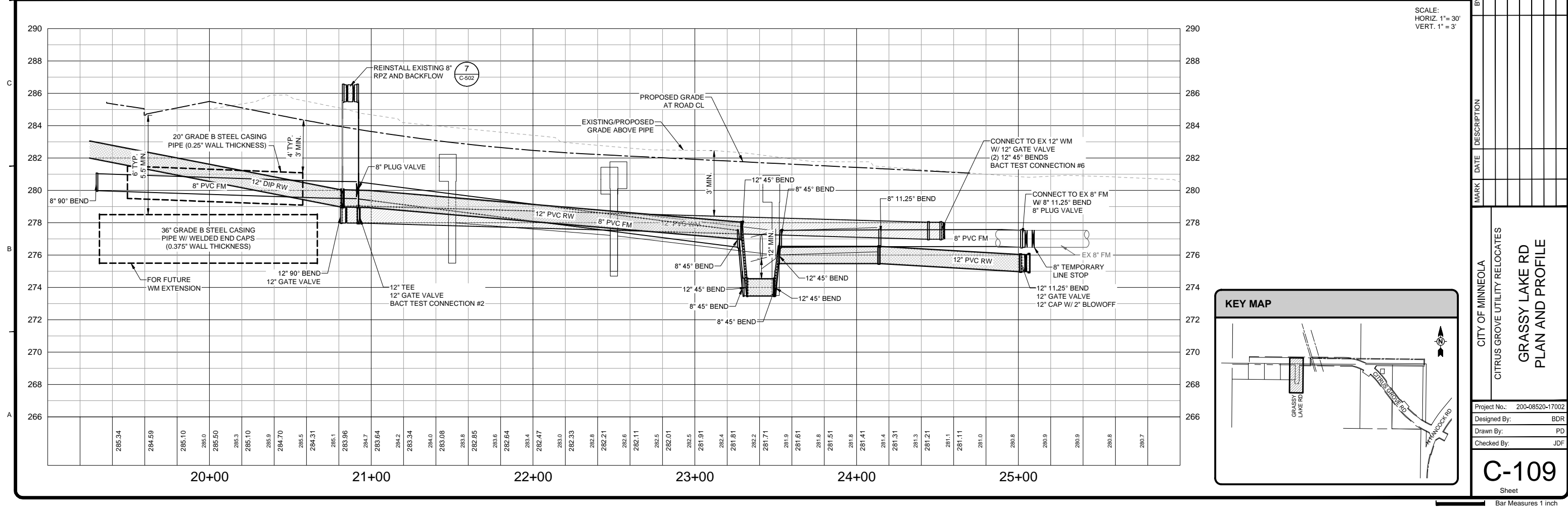
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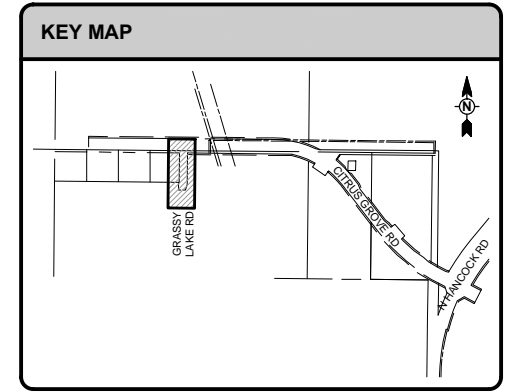
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SCALE:
HORIZ. 1" = 30'
VERT. 1" = 3'



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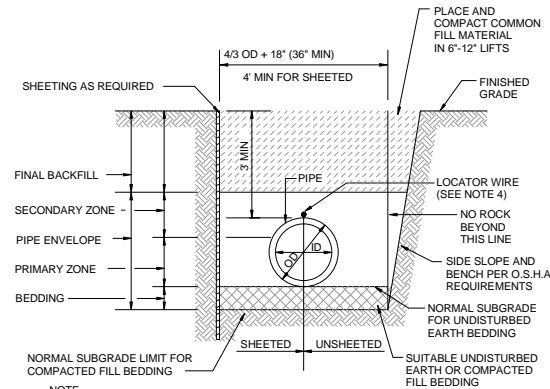


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Date: 2017.10.24 17:55:22 -04'00'

BY	DATE	DESCRIPTION

CITY OF MINNEOLA
CITRUS GROVE UTILITY RELOCATES
GRASSY LAKE RD
PLAN AND PROFILE
Project No.: 200-08520-17002
Designed By: BDR
Drawn By: PD
Checked By: JDF
C-109
Sheet
Bar Measures 1 inch

PIPE TRENCH

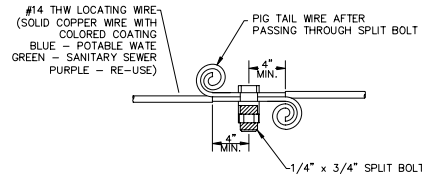


- 1. BEDDING SHALL BE NO. 89 CRUSHED STONE, IF EARTH BEDDING IS WET.
2. PRIMARY AND SECONDARY ZONES SHALL BE INDIVIDUALLY COMPACTED LAYERS OF CLEAN FILL PER CONTRACT SPECIFICATIONS...
3. COMPACTION OF FINAL BACKFILL BENEATH STRUCTURES, PAVING AND PARKWAYS, SHALL BE 98% OF AASHTO T-180...

1 DETAIL SCALE: NTS

LOCATING WIRE SPLICING

CITY OF MINNEOLA STANDARD DETAIL G-8



- 1. THE ENDS OF ALL LOCATING WIRES, WHETHER THEY ARE SPLICED, CONNECTED, OR TERMINATED, SHALL HAVE THE LAST THREE INCHES PIG TAILED AS DETAILED HEREON.
2. AFTER INSTALLATION OF THE LOCATING WIRE THE SYSTEM SHALL BE SUBJECT TO TESTING...

3 DETAIL SCALE: NTS

PIPE RESTRAINT, RESTRAINED JOINT

STANDARD FITTINGS/APPURTENANCES REQUIRED LENGTH OF RESTRAINED PIPE EACH WAY (FT)

Table with columns for BEND and PIPE DIAMETER (4" to 54").

REDUCERS - REQUIRED LENGTH OF RESTRAINED PIPE AT LARGE SIDE (FT)

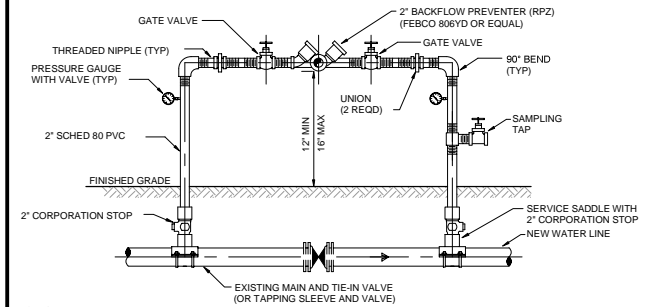
Table with columns for DIAMETER (4" to 48") and various pipe sizes.

- 1. THE ABOVE REQUIREMENTS WERE CALCULATED IN ACCORDANCE WITH 'THRUST RESTRAINT FOR DUCTILE IRON PIPE', THIRD EDITION, 1992, PUBLISHED BY DIPRA...
2. THE RESTRAINED JOINT LENGTHS CALCULATED ABOVE FOR BENDS WERE FOR BENDS IN THE HORIZONTAL DIRECTION OR VERTICAL UP DIRECTION...

PIPE RESTRAINT, RESTRAINED JOINT POLYETHYLENE WRAPPED DIP OR PVC PIPE, 150 PSI TEST PRESSURE

5 DETAIL SCALE: NTS

TEMPORARY JUMPER CONNECTION

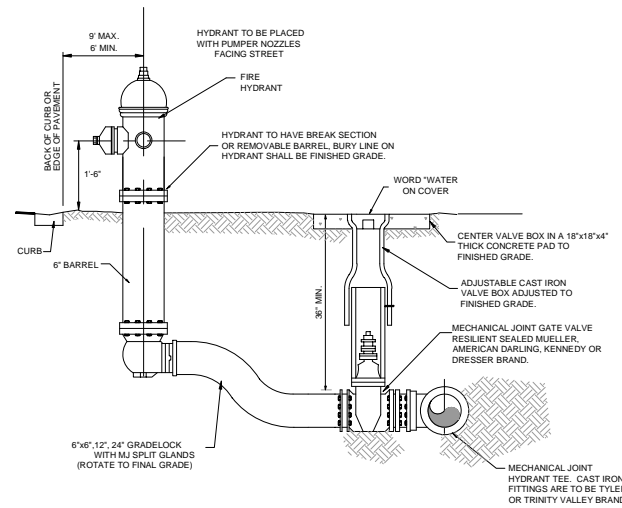


- 1. A TEMPORARY JUMPER CONNECTION IS REQUIRED AT ALL CONNECTIONS BETWEEN EXISTING ACTIVE WATER MAINS AND PROPOSED WATER MAIN IMPROVEMENTS.
2. THIS DETAIL IS TO BE USED FOR FILLING ANY NEW WATER MAIN AND FOR FLUSHING OF NEW MAINS UP TO 8" DIAMETER...
3. FLUSHING OF THE 10" DIAMETER AND LARGER WATER MAIN MAY BE DONE THROUGH THE TIE-IN VALVE UNDER VERY CONTROLLED CONDITIONS...

6 DETAIL SCALE: NTS

FIRE HYDRANT ASSEMBLY INSTALLATION

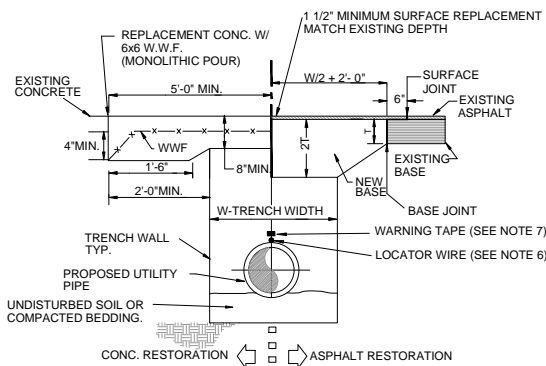
CITY OF MINNEOLA STANDARD DETAIL W-11



- 1. AWWA SPECIFICATIONS C-502
2. TWO 2-1/2" HOSE NOZZLE DISCHARGE
3. ONE 4-1/2" PLUMBER NOZZLE DISCHARGE
4. ONE 1-1/2" OPERATING NUT, LEFT
5. HYDRANTS SHALL BE FLOW TESTED BY CONTRACTOR...
6. ALL HYDRANTS SHALL BE EQUIPPED WITH GATE-LOK FITTINGS...

2 DETAIL SCALE: NTS

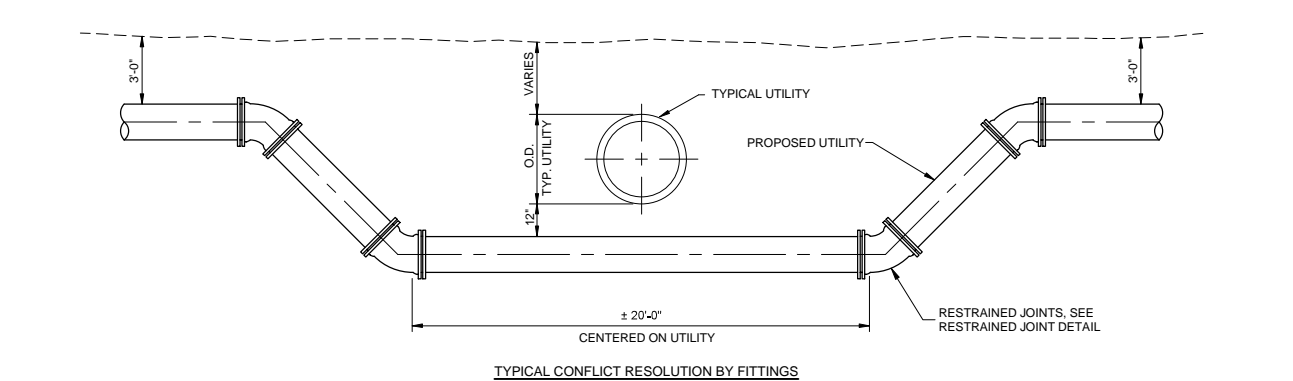
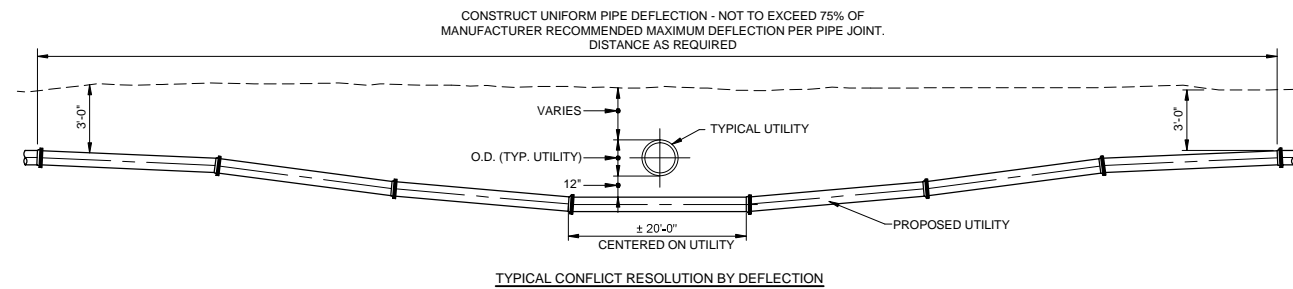
OPEN CUT DETAIL



- 1. SURFACE AND BASE CUTS SHALL BE SAW-CUT.
2. LONGITUDINAL OR DIAGONAL CUTS REQUIRE OVERLAY/RESURFACING COMPLETE WIDTH OF ROAD.
3. CUTS AT INTERSECTIONS REQUIRE COMPLETE OVERLAY/RESURFACING TO END OF ALL RETURN RADS AND/OR 10 FT. BEYOND CUT...
7. PLACE PRINTED WARNING TAPE 24" ABOVE PIPE.

4 DETAIL SCALE: NTS

TYPICAL UTILITY CONFLICT RESOLUTION



7 DETAIL SCALE: NTS



201 EAST PINE STREET, SUITE 1000 ORLANDO, FL 32801 PHONE: 407.839.3955 FAX: 407.839.3790



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Date: 2017.10.24 17:57:15 -0400

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Table with columns: BY, DATE, DESCRIPTION, MARK.

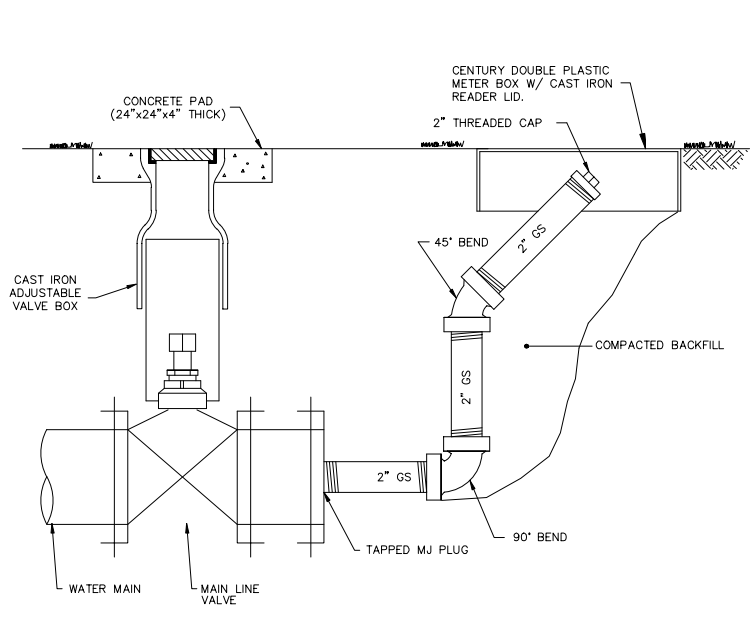
CITY OF MINNEOLA CITRUS GROVE UTILITY RELOCATES DETAILS

Project No.: 200-08520-17002 Designed By: BDR Drawn By: PD Checked By: JDF

C-501

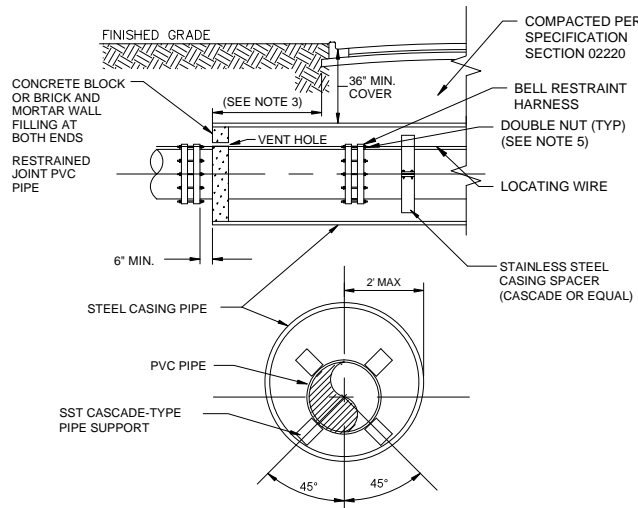
Bar Measures 1 inch

BLOWOFF DETAIL CITY OF MINNEOLA STANDARD DETAIL W-6



1 DETAIL
SCALE: NTS

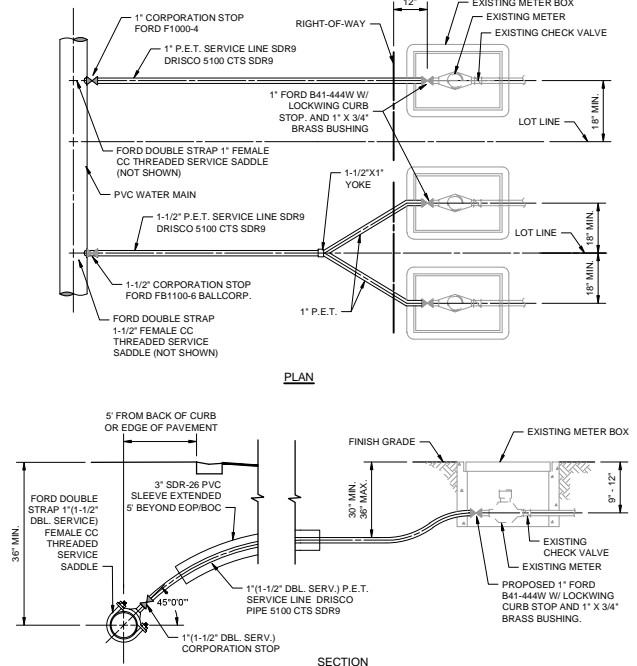
STEEL CASING AROUND PVC CARRIER PIPE



- UTILITY CROSSING TO BE CONSTRUCTED PRIOR TO ROADWAY, TYPICAL OPEN CUT CONSTRUCTION NOT A JACK AND BORE PROCESS.
- WHERE PRACTICAL CASING SHALL EXTEND 10' BEYOND EDGE OF PAVEMENT IN ANY CASE. THE CITY OR COUNTY MAY REQUIRE LONGER CASING.
- DISTANCE BETWEEN SPACERS TO BE PER MANUFACTURER'S SPECIFICATIONS, OR MAX OF 6.5', WHICHEVER IS MORE STRINGENT.
- USE OF FLOWABLE FILL IN THE ANNULAR SPACE BETWEEN THE CASING AND CARRIER PIPE IS PROHIBITED.
- PIPE IN CASING SHALL HAVE MECHANICAL BELL RESTRAINT HARNESS WHERE RODS ARE DOUBLE NUTTED TO PRECLUDE OVERBELLING THE JOINT DURING PUSHING CARRIER PIPE CASING.

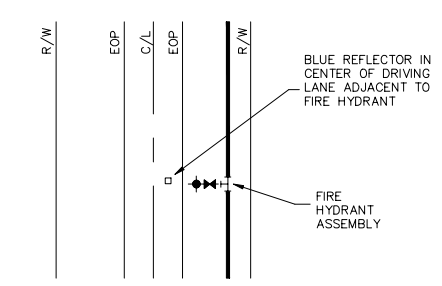
2 DETAIL
SCALE: NTS

WATER SERVICE CONNECTION CITY OF MINNEOLA STANDARD DETAIL W-9



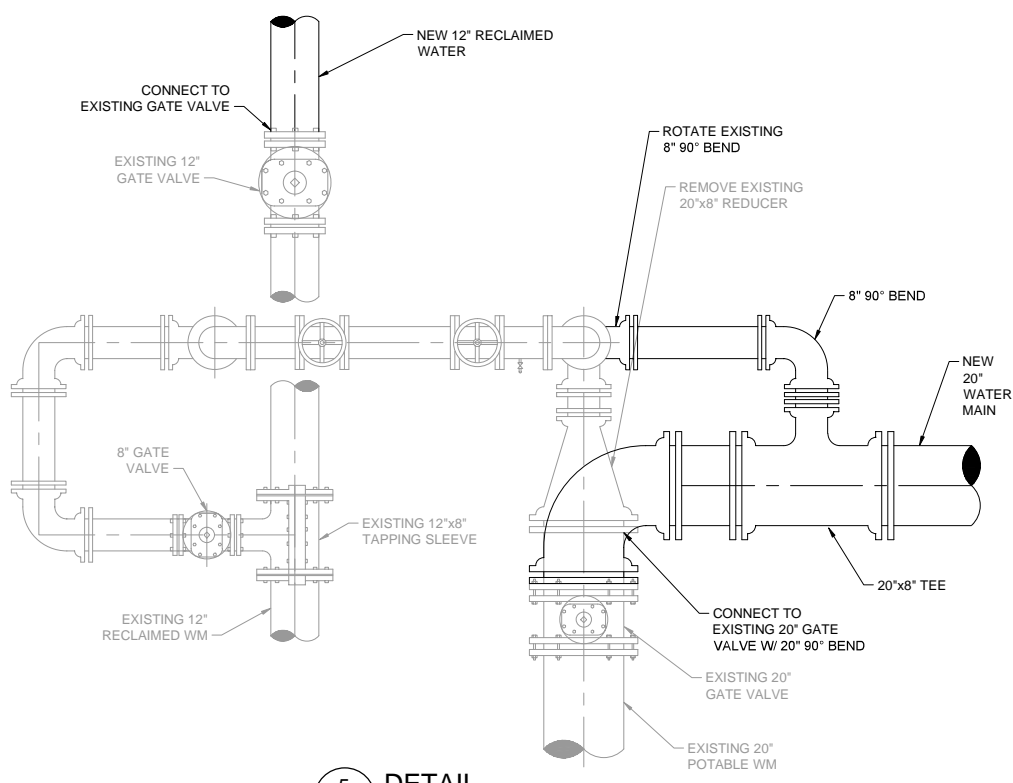
3 DETAIL
SCALE: NTS

FIRE HYDRANT REFLECTOR DETAIL CITY OF MINNEOLA STANDARD DETAIL W-12



4 DETAIL
SCALE: NTS

WATER AND RECLAIM JUMPER RESTORATION NEAR HANCOCK ROAD



5 DETAIL
SCALE: NTS

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Business Representative,
ou=Tetra Tech, cn=Burl Reardo,
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MARK	DATE	DESCRIPTION	BY

CITY OF MINNEOLA
CITRUS GROVE UTILITY RELOCATES
DETAILS

Project No.: 200-08520-17002
Designed By: BDR
Drawn By: PD
Checked By: JDF

C-503

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