

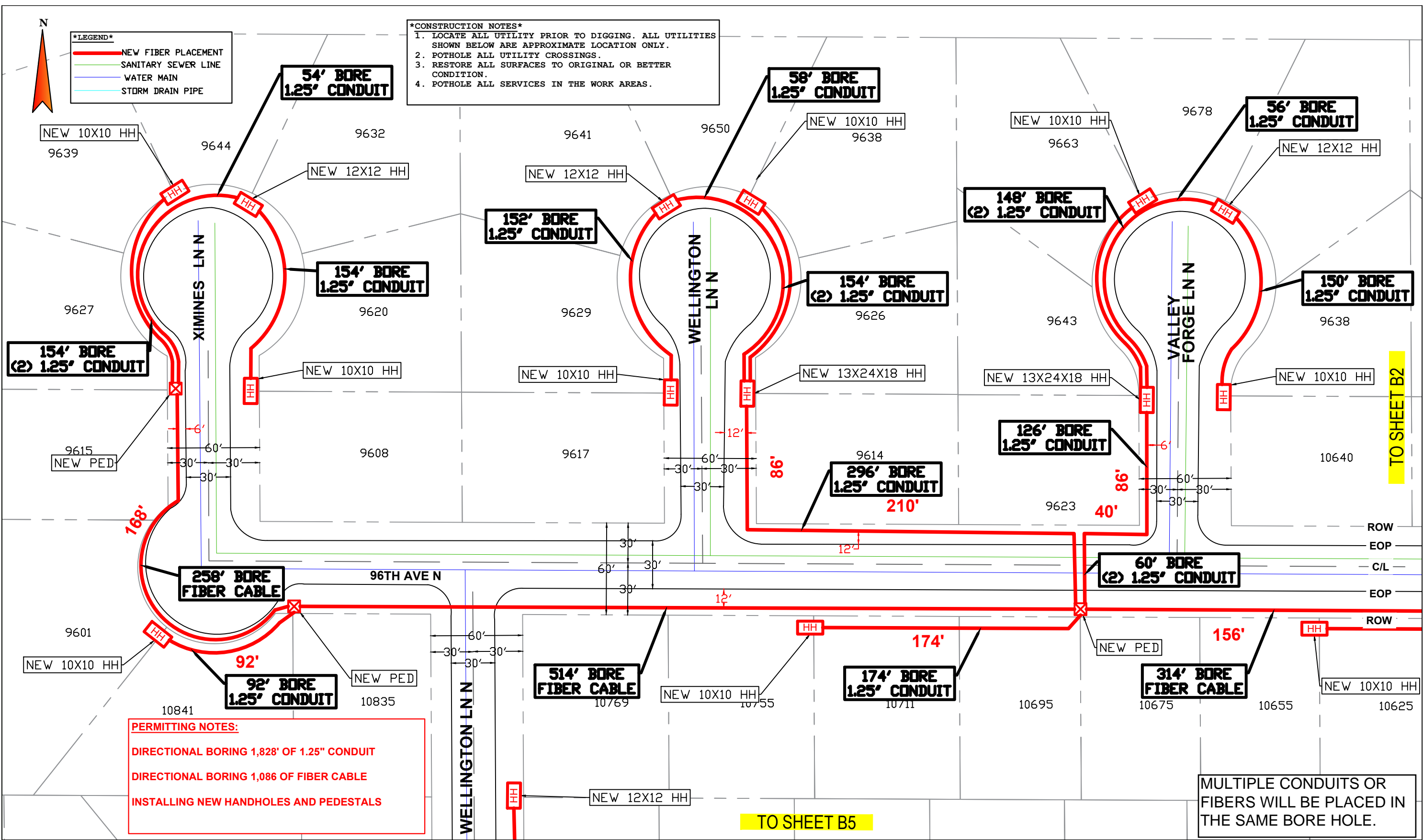


LEGEND

	NEW FIBER PLACEMENT
	SANITARY SEWER LINE
	WATER MAIN
	STORM DRAIN PIPE

CONSTRUCTION NOTES

1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
2. POTHOLE ALL UTILITY CROSSINGS.
3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
4. POTHOLE ALL SERVICES IN THE WORK AREAS.



PERMITTING NOTES:

- DIRECTIONAL BORING 1,828' OF 1.25" CONDUIT
- DIRECTIONAL BORING 1,086 OF FIBER CABLE
- INSTALLING NEW HANDHOLES AND PEDESTALS

MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.

TO SHEET B5

TO SHEET B2

LUMEN
301 W 65TH ST
RICHFIELD, MN 55423

ENGINEER: JEFF GILBERT
PHONE: 651-378-2633
FAX:
EMAIL: JEFFREY.GILBERT@LUMEN.COM

WC: OSSEMNXD
JOB: P.112932 - B1

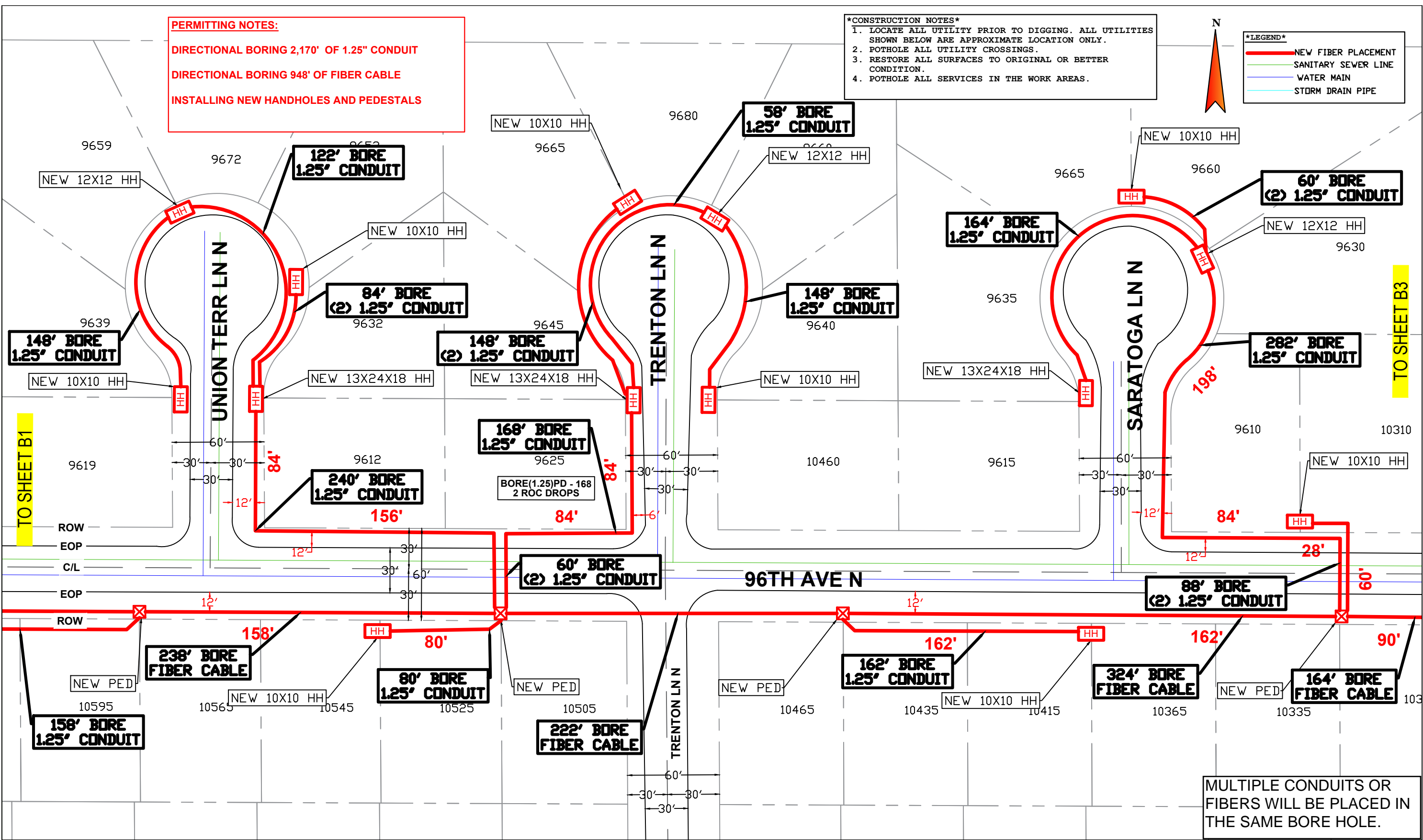
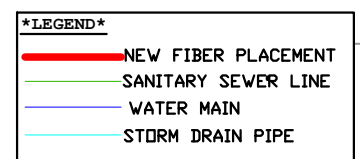
DRAWING SYMBOLS
THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA



NO SCALE
SHEET: 1 OF 22

PERMITTING NOTES:
 DIRECTIONAL BORING 2,170' OF 1.25" CONDUIT
 DIRECTIONAL BORING 948' OF FIBER CABLE
 INSTALLING NEW HANDHOLES AND PEDESTALS

CONSTRUCTION NOTES
 1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
 2. POTHOLE ALL UTILITY CROSSINGS.
 3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
 4. POTHOLE ALL SERVICES IN THE WORK AREAS.



TO SHEET B1

TO SHEET B3

LUMEN
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 JOB: P.112932 - B2

DRAWING SYMBOLS
 THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA



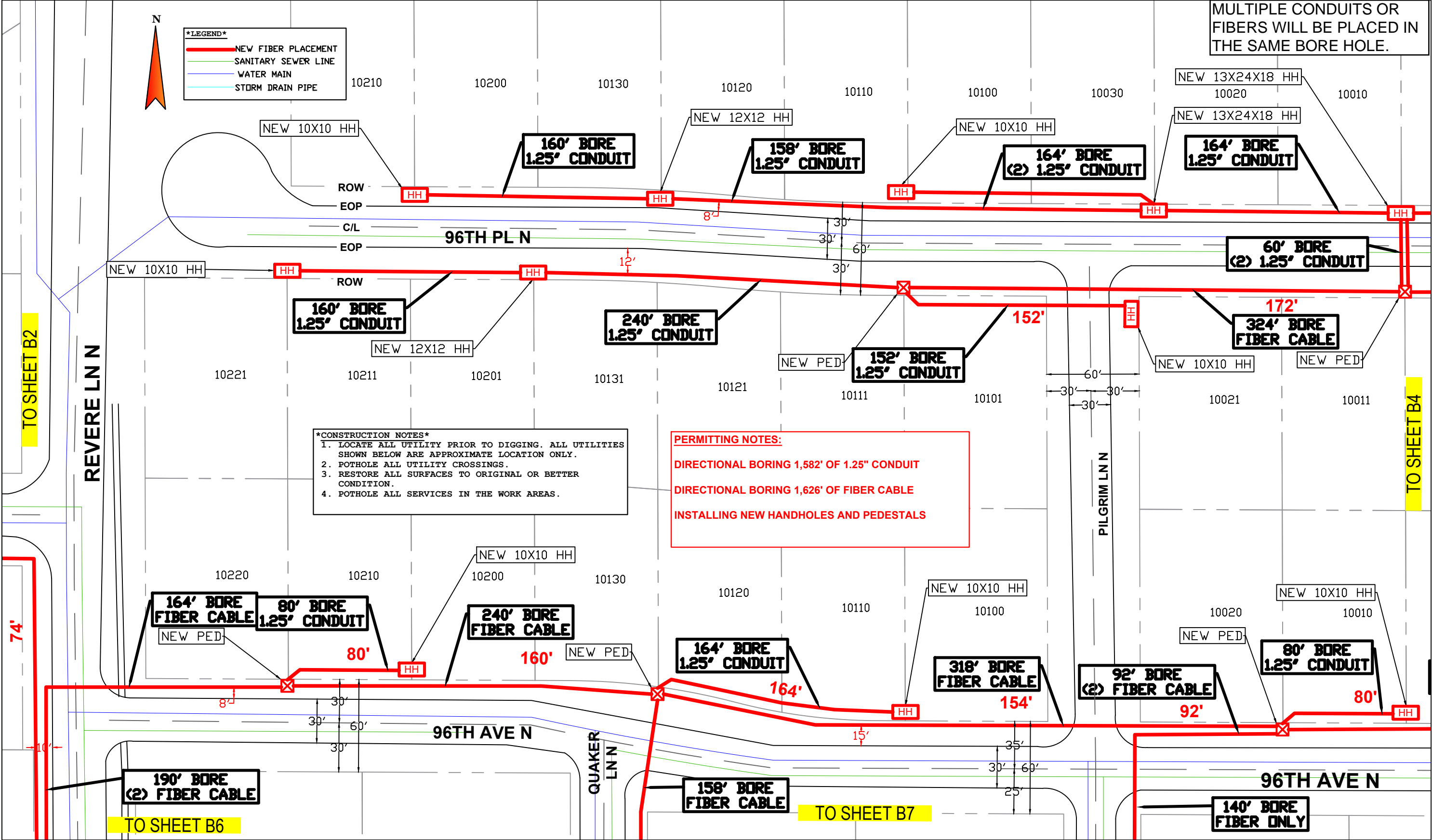
NO SCALE
 SHEET: 2 OF 22



LEGEND

- NEW FIBER PLACEMENT
- SANITARY SEWER LINE
- WATER MAIN
- STORM DRAIN PIPE

MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.



CONSTRUCTION NOTES

1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
2. POT HOLE ALL UTILITY CROSSINGS.
3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
4. POT HOLE ALL SERVICES IN THE WORK AREAS.

PERMITTING NOTES:

- DIRECTIONAL BORING 1,582' OF 1.25" CONDUIT
- DIRECTIONAL BORING 1,626' OF FIBER CABLE
- INSTALLING NEW HANDHOLES AND PEDESTALS

TO SHEET B2

TO SHEET B4

TO SHEET B6

TO SHEET B7

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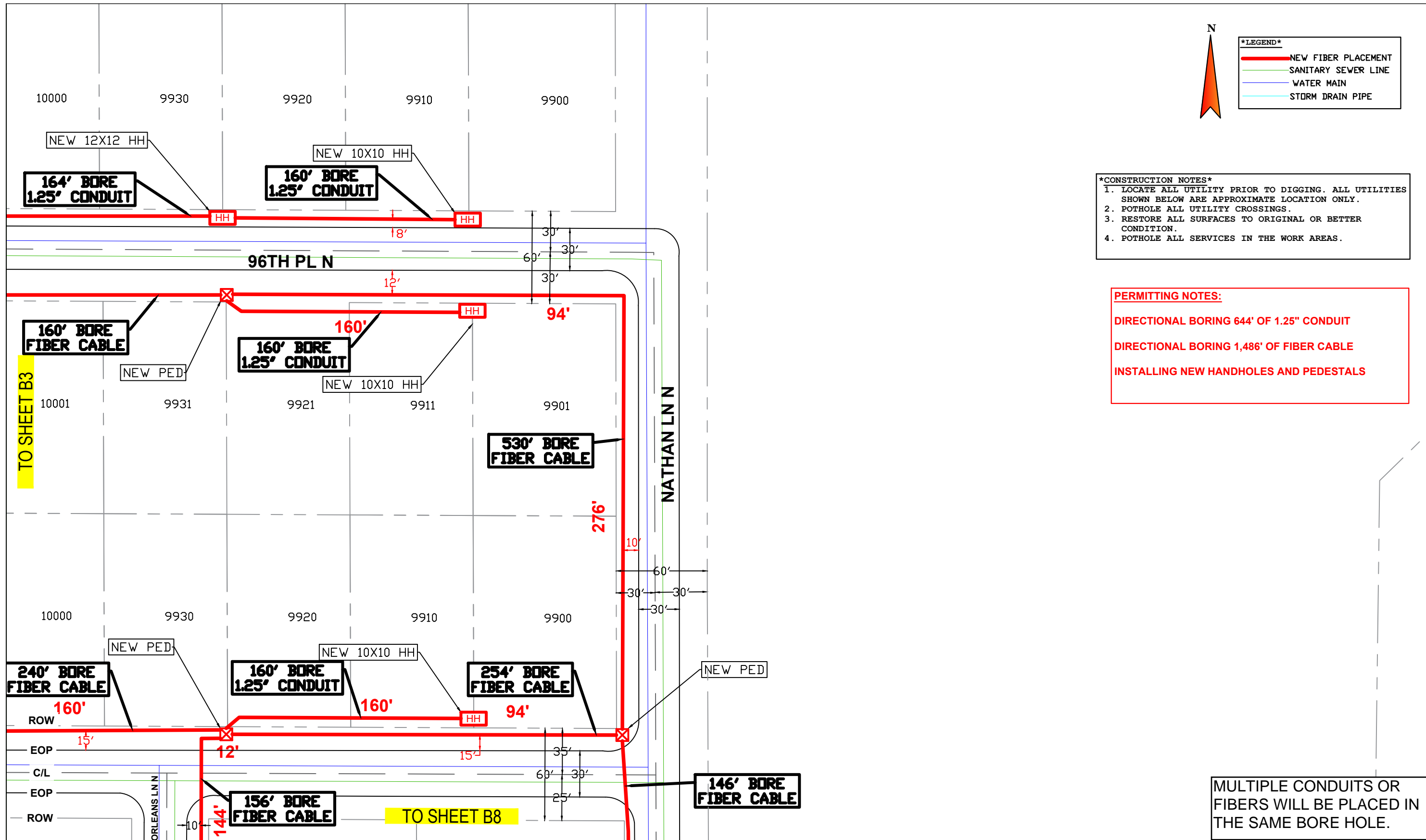
WC: OSSEMNXD
JOB: P.112932 - B3

DRAWING SYMBOLS

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA



NO SCALE
SHEET: 3 OF 22



LEGEND

- NEW FIBER PLACEMENT
- SANITARY SEWER LINE
- WATER MAIN
- STORM DRAIN PIPE

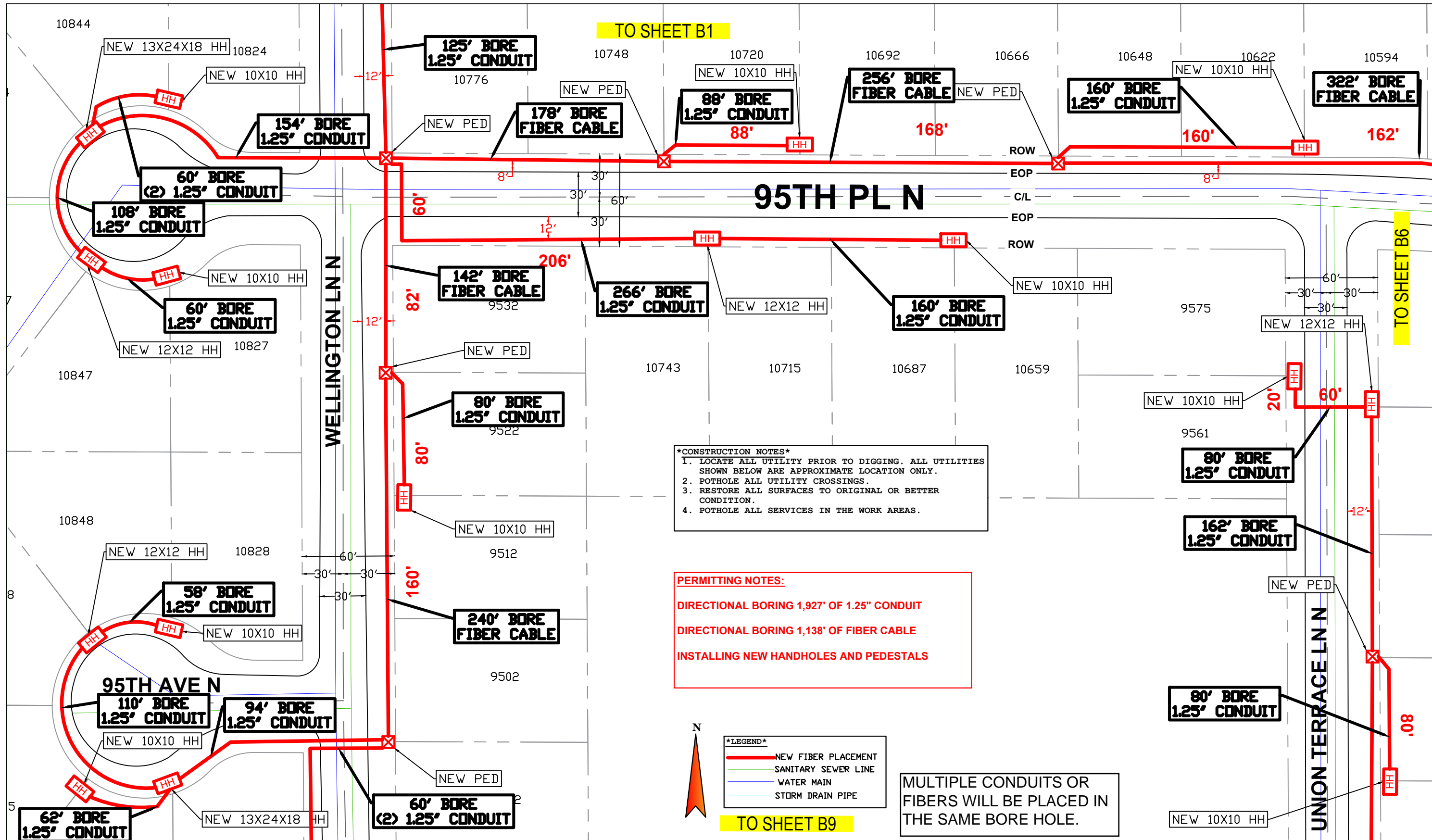
CONSTRUCTION NOTES

1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
2. POTHOLE ALL UTILITY CROSSINGS.
3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
4. POTHOLE ALL SERVICES IN THE WORK AREAS.

PERMITTING NOTES:

- DIRECTIONAL BORING 644' OF 1.25" CONDUIT
- DIRECTIONAL BORING 1,486' OF FIBER CABLE
- INSTALLING NEW HANDHOLES AND PEDESTALS

MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.



TO SHEET B1

TO SHEET B6

TO SHEET B9

CONSTRUCTION NOTES
 1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
 2. POT HOLE ALL UTILITY CROSSINGS.
 3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
 4. POT HOLE ALL SERVICES IN THE WORK AREAS.

PERMITTING NOTES:
 DIRECTIONAL BORING 1,927' OF 1.25" CONDUIT
 DIRECTIONAL BORING 1,138' OF FIBER CABLE
 INSTALLING NEW HANDHOLES AND PEDESTALS

LEGEND
 - NEW FIBER PLACEMENT
 - SANITARY SEWER LINE
 - WATER MAIN
 - STORM DRAIN PIPE

MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.

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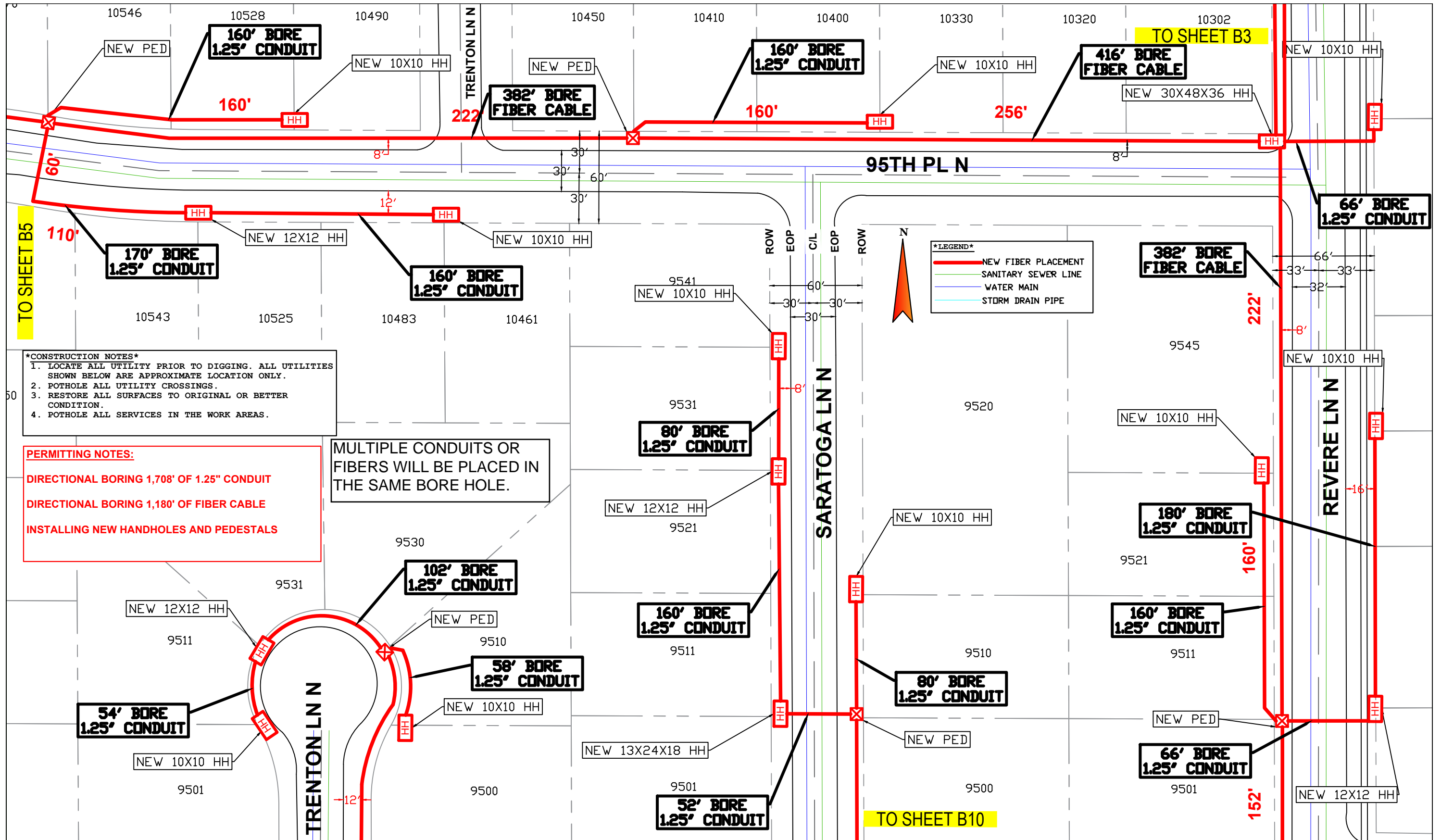
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 EMAIL: JEFFREY.GILBERT@LUMEN.COM

WC: OSSEMNXD
 JOB: P.112932 - B5

DRAWING SYMBOLS
 THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA



NO SCALE
 SHEET: 5 OF 22



TO SHEET B5

TO SHEET B3

TO SHEET B10

CONSTRUCTION NOTES
 1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
 2. POTHOLE ALL UTILITY CROSSINGS.
 3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
 4. POTHOLE ALL SERVICES IN THE WORK AREAS.

PERMITTING NOTES:
 DIRECTIONAL BORING 1,708' OF 1.25" CONDUIT
 DIRECTIONAL BORING 1,180' OF FIBER CABLE
 INSTALLING NEW HANDHOLES AND PEDESTALS

MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.

LEGEND

- NEW FIBER PLACEMENT
- SANITARY SEWER LINE
- WATER MAIN
- STORM DRAIN PIPE

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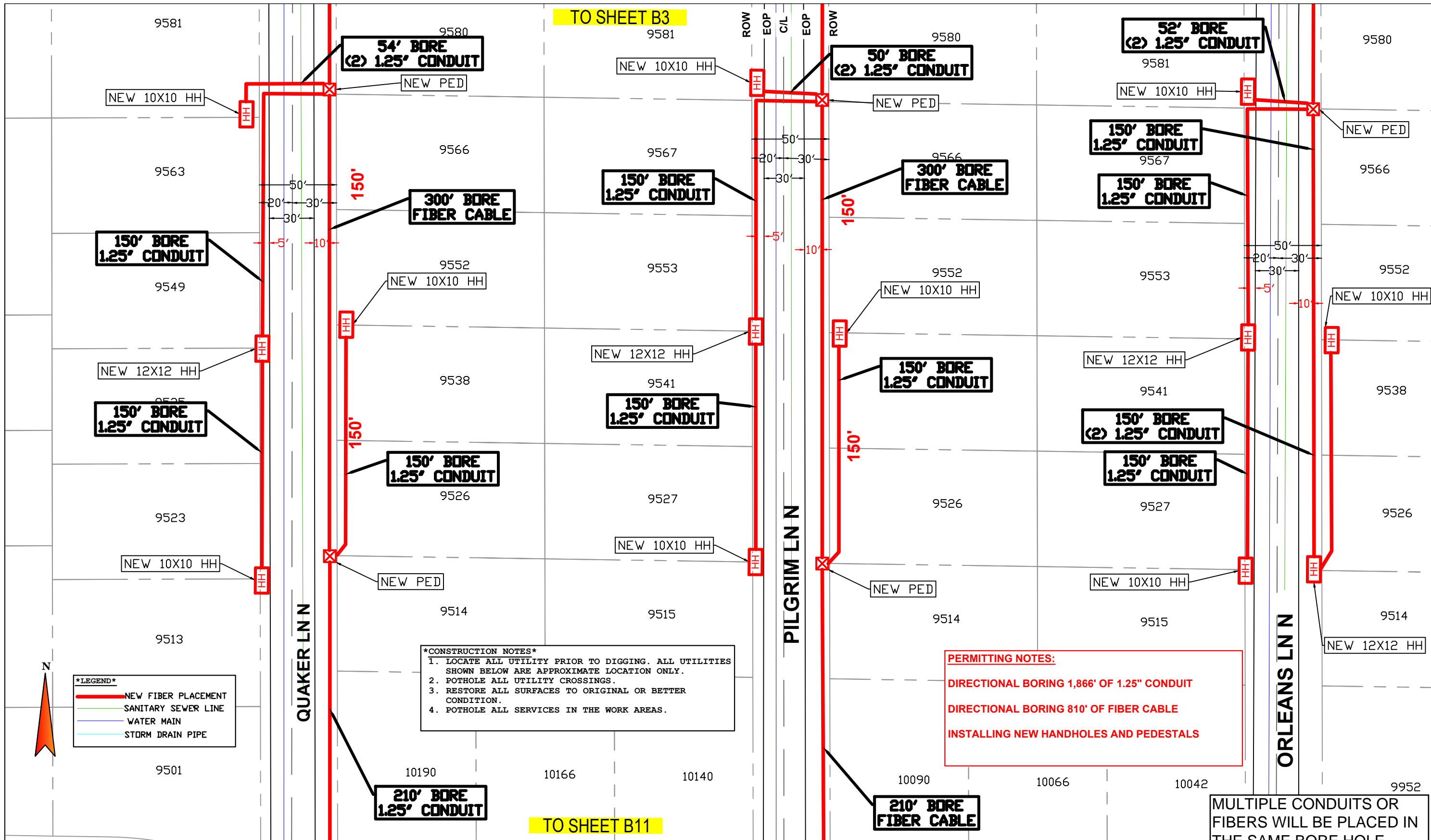
ENGINEER: JEFF GILBERT
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 FAX:
 EMAIL: JEFFREY.GILBERT@LUMEN.COM

WC: OSSEMNXD
 JOB: P.112932 - B6

DRAWING SYMBOLS
 THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA



NO SCALE
 SHEET: 6 OF 22



TO SHEET B3

TO SHEET B11

CONSTRUCTION NOTES
 1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
 2. POT HOLE ALL UTILITY CROSSINGS.
 3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
 4. POT HOLE ALL SERVICES IN THE WORK AREAS.

PERMITTING NOTES:
 DIRECTIONAL BORING 1,866' OF 1.25" CONDUIT
 DIRECTIONAL BORING 810' OF FIBER CABLE
 INSTALLING NEW HANDHOLES AND PEDESTALS

MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.



LEGEND
 — NEW FIBER PLACEMENT
 — SANITARY SEWER LINE
 — WATER MAIN
 — STORM DRAIN PIPE

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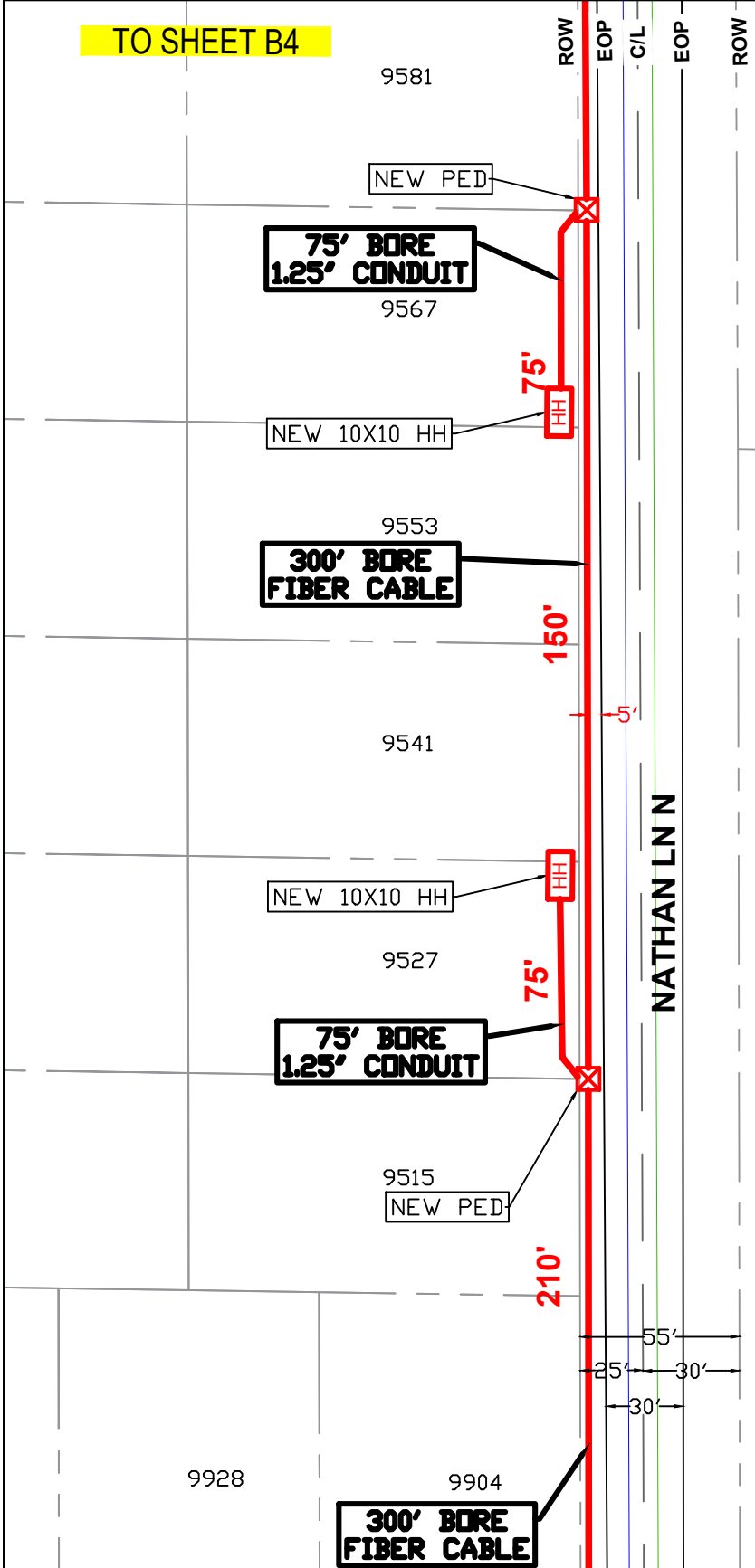
WC: OSSEMNX0
 JOB: P.112932 - B7

DRAWING SYMBOLS
 THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA



NO SCALE
 SHEET: 7 OF 22

TO SHEET B4



LEGEND

- NEW FIBER PLACEMENT (Red line)
- SANITARY SEWER LINE (Green line)
- WATER MAIN (Blue line)
- STORM DRAIN PIPE (Cyan line)

PERMITTING NOTES:

DIRECTIONAL BORING 150' OF 1.25" CONDUIT

DIRECTIONAL BORING 600' OF FIBER CABLE

INSTALLING NEW HANDHOLES AND PEDESTALS

CONSTRUCTION NOTES

1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
2. POTHOLE ALL UTILITY CROSSINGS.
3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
4. POTHOLE ALL SERVICES IN THE WORK AREAS.

TO SHEET B12

MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.

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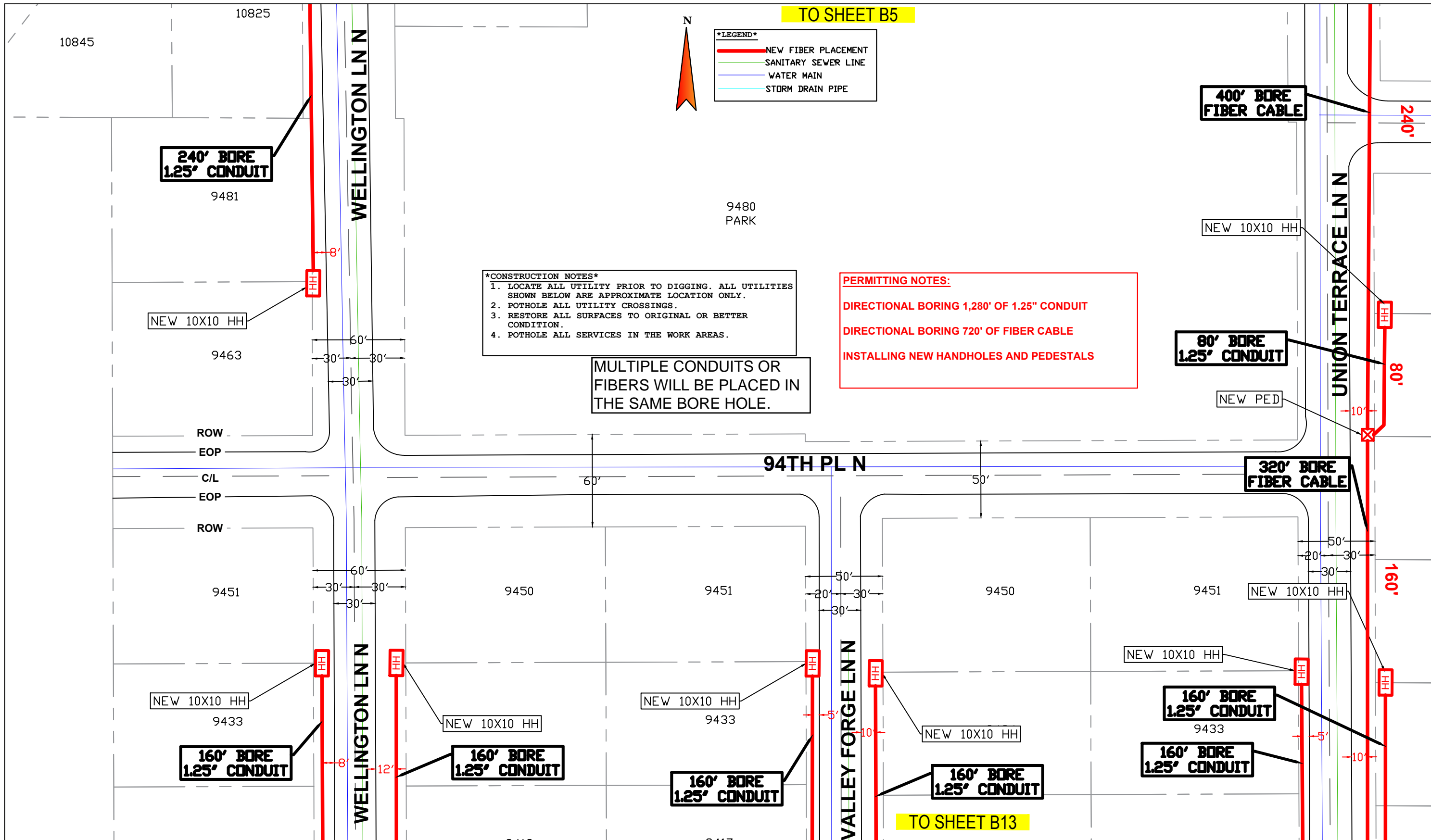
DRAWING SYMBOLS

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA



NO SCALE

SHEET: 8 OF 22



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 JOB: P.112932 - B9

DRAWING SYMBOLS

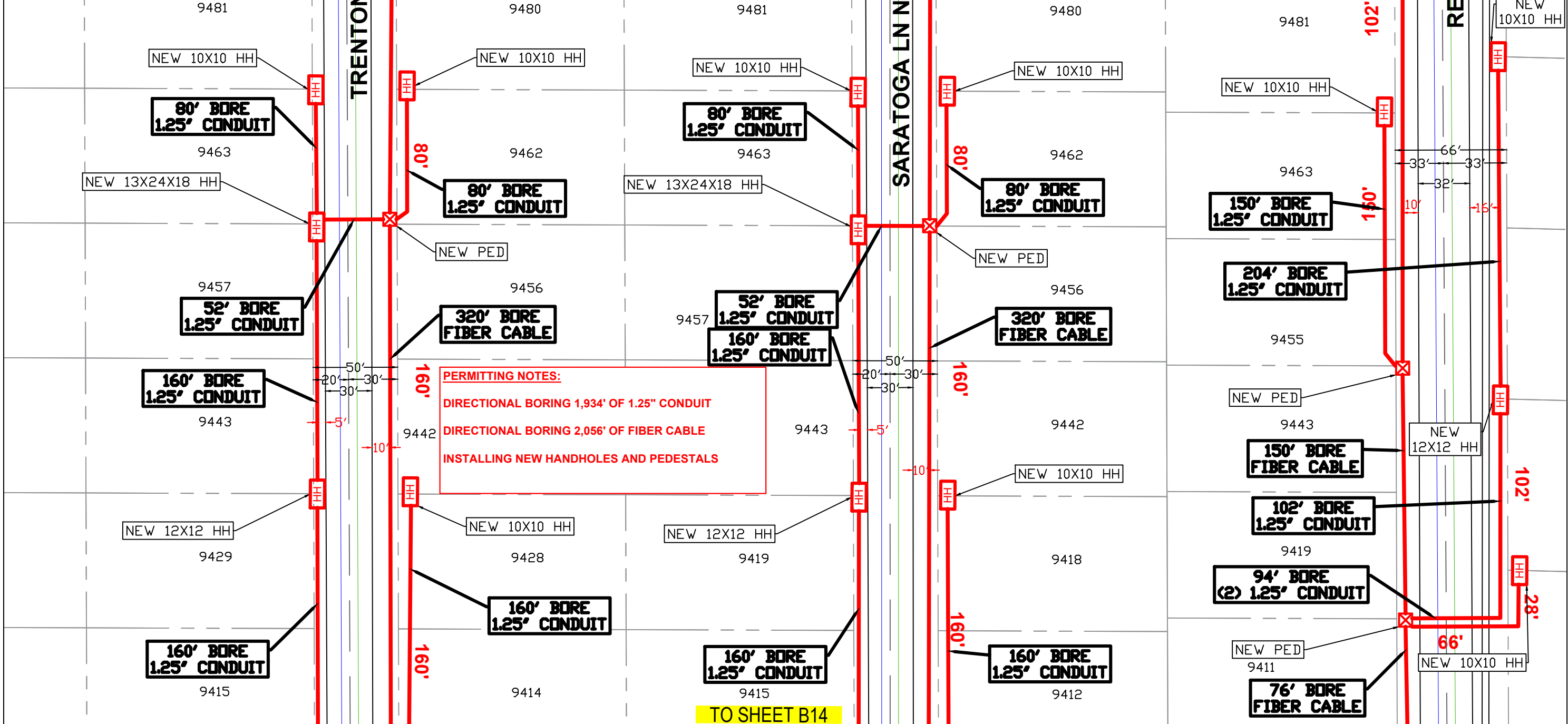
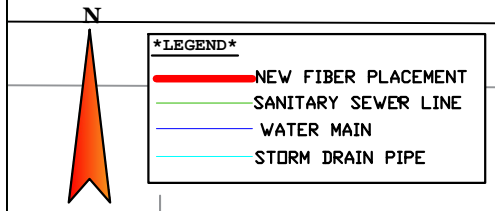
THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA



NO SCALE

SHEET: 9 OF 22

MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.



CONSTRUCTION NOTES
 1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
 2. POTHOLE ALL UTILITY CROSSINGS.
 3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
 4. POTHOLE ALL SERVICES IN THE WORK AREAS.

PERMITTING NOTES:
 DIRECTIONAL BORING 1,934' OF 1.25" CONDUIT
 DIRECTIONAL BORING 2,056' OF FIBER CABLE
 INSTALLING NEW HANDHOLES AND PEDESTALS

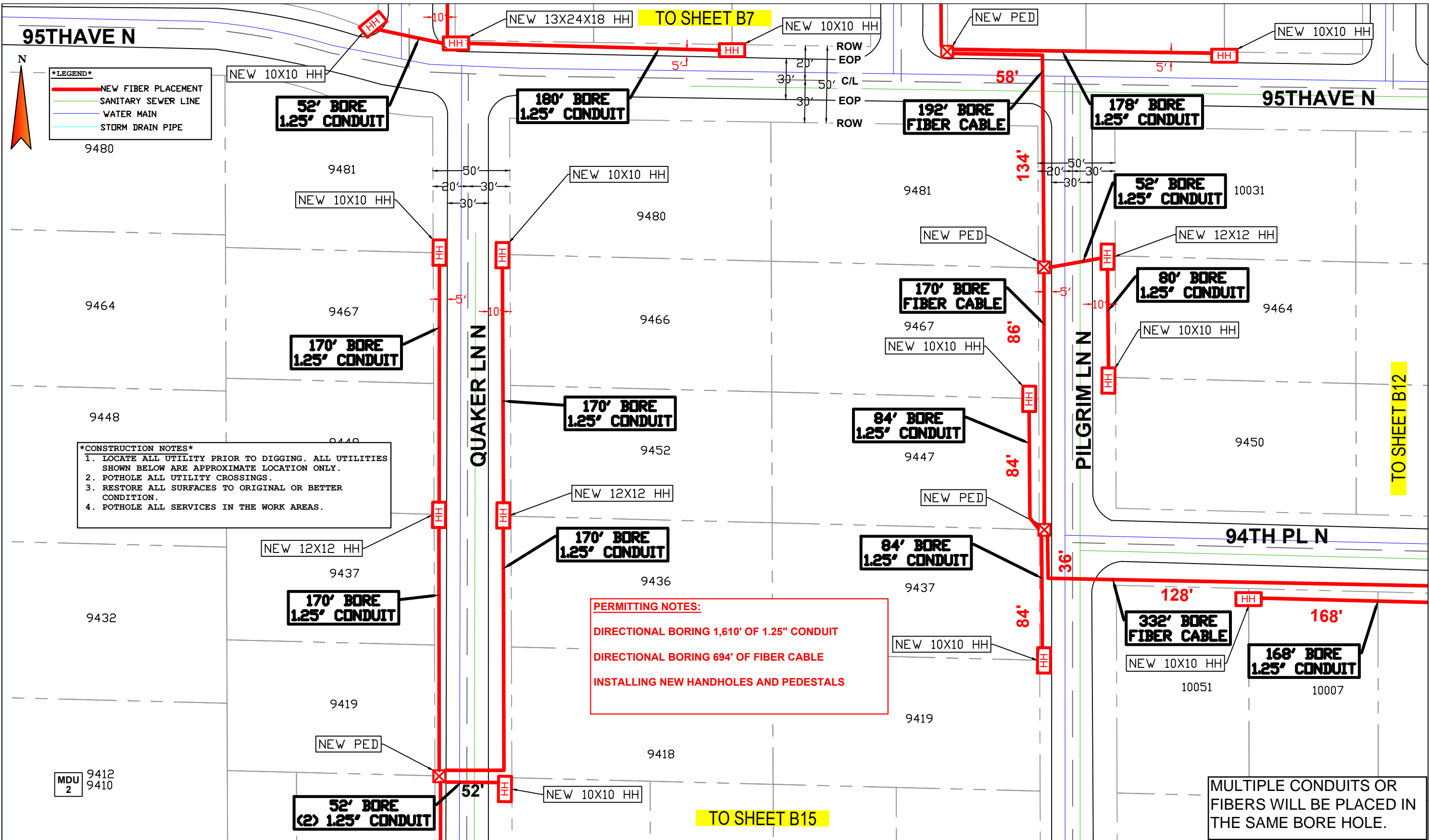
LUMEN®
 301 W 65TH ST
 RICHFIELD, MN 55423

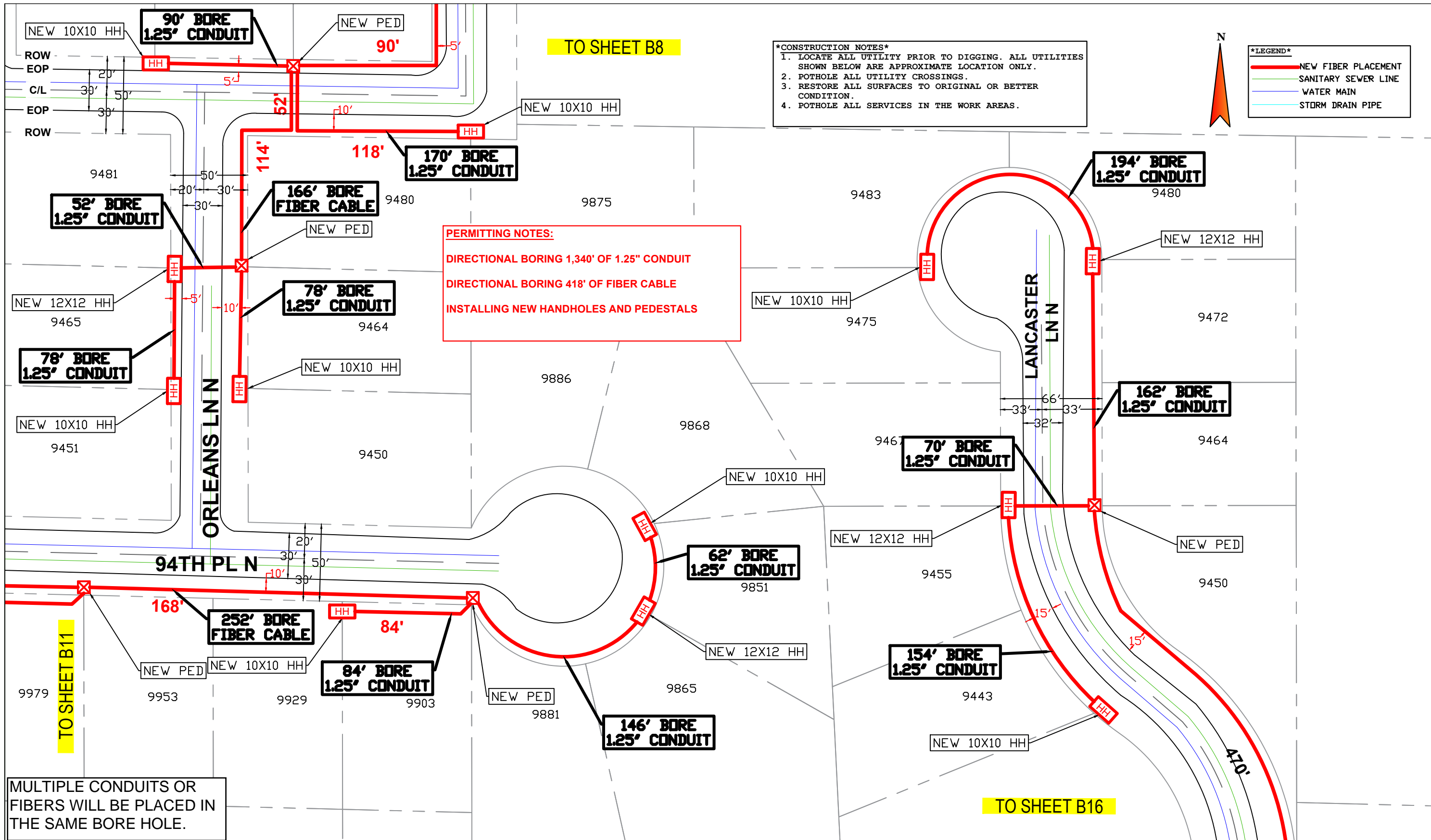
ENGINEER: JEFF GILBERT
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 FAX:
 EMAIL: JEFFREY.GILBERT@LUMEN.COM

WC: OSSEMNX0
 JOB: P.112932 - B10

DRAWING SYMBOLS
 THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA

CREEK ENTERPRISE, INC.
 NO SCALE
 SHEET: 10 OF 22





CONSTRUCTION NOTES
 1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
 2. POT HOLE ALL UTILITY CROSSINGS.
 3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
 4. POT HOLE ALL SERVICES IN THE WORK AREAS.

LEGEND
 - NEW FIBER PLACEMENT
 - SANITARY SEWER LINE
 - WATER MAIN
 - STORM DRAIN PIPE

PERMITTING NOTES:
 DIRECTIONAL BORING 1,340' OF 1.25" CONDUIT
 DIRECTIONAL BORING 418' OF FIBER CABLE
 INSTALLING NEW HANDHOLES AND PEDESTALS

MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.

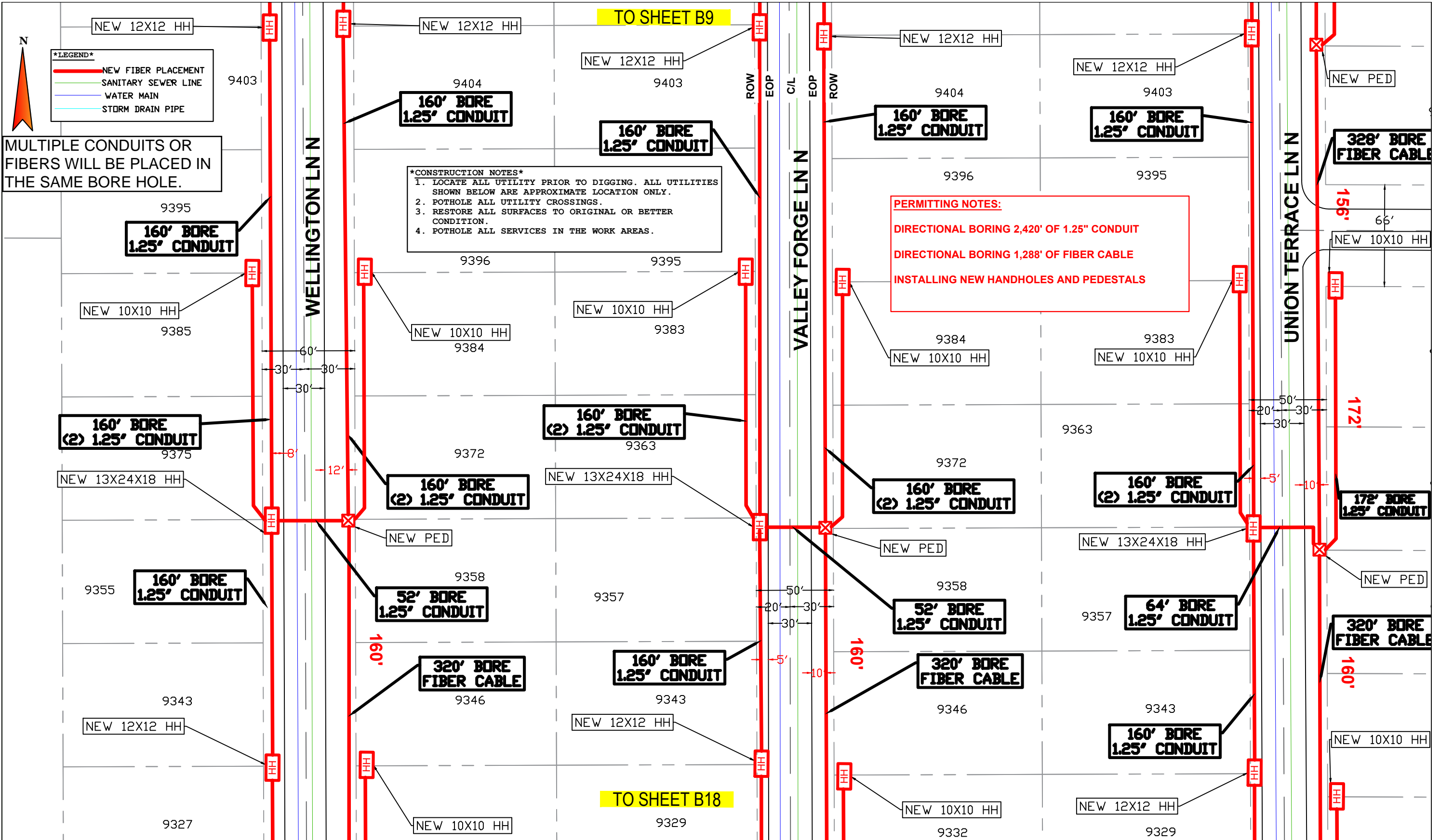
LUMEN®
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 FAX:
 EMAIL: JEFFREY.GILBERT@LUMEN.COM

WC: OSSEMNX0
 JOB: P.112932 - B12

DRAWING SYMBOLS
 THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA

CREEK ENTERPRISE, INC.
 NO SCALE
 SHEET: 12 OF 22



LUMEN®
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 RICHFIELD, MN 55423

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WC: OSSEMNX0
 JOB: P.112932 - B13

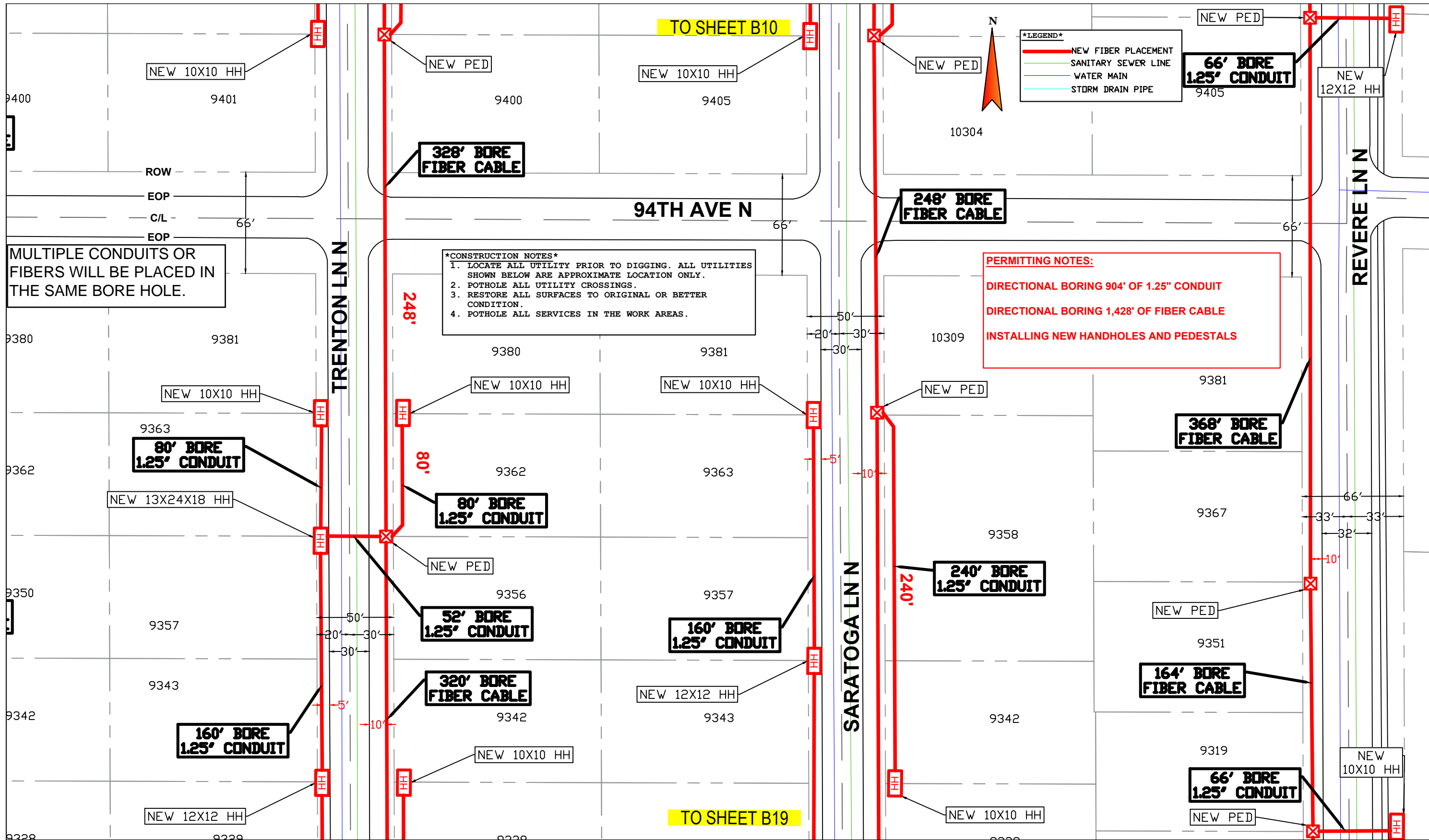
DRAWING SYMBOLS

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA



NO SCALE

SHEET: 13 OF 22



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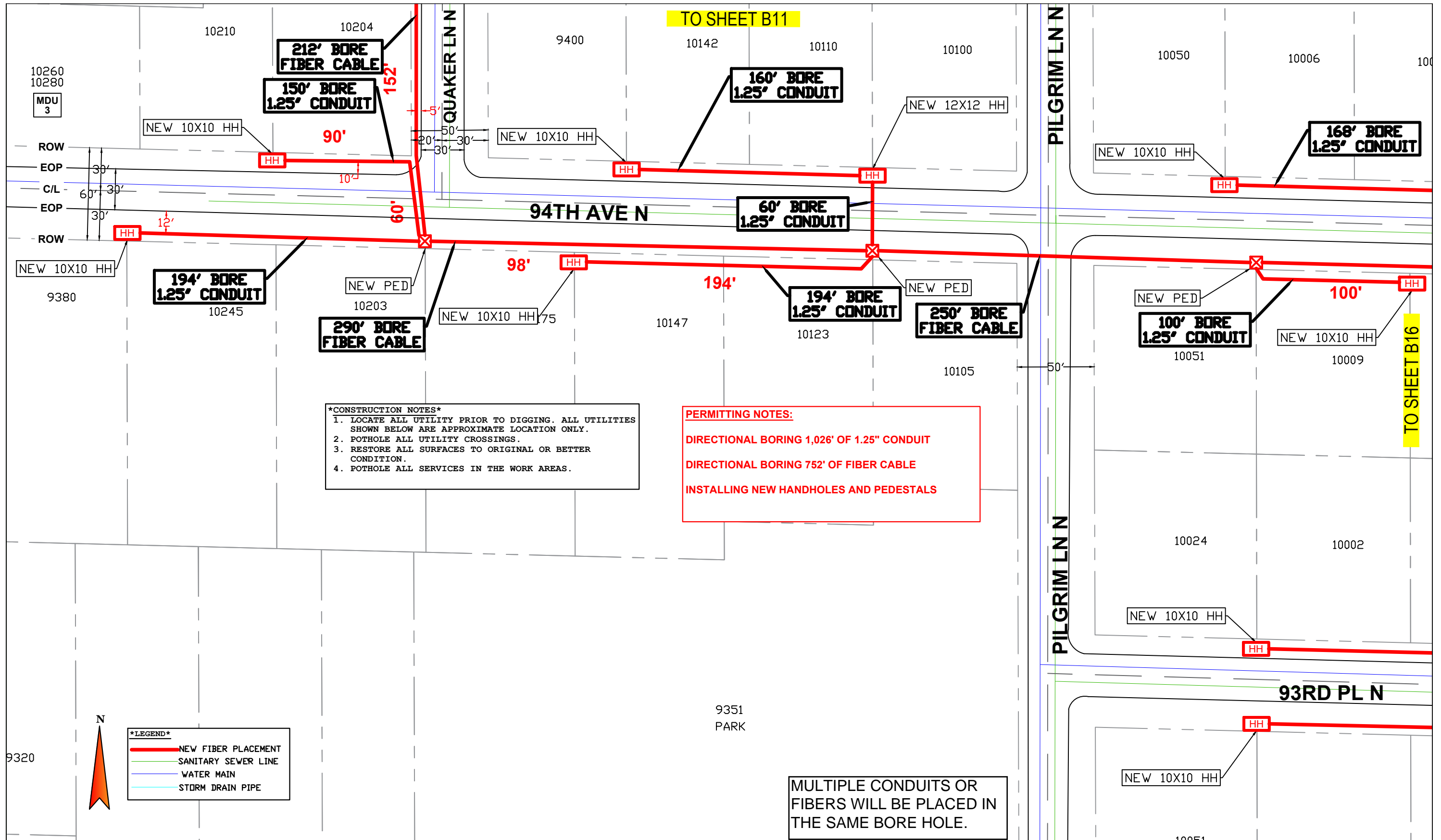
ENGINEER: JEFF GILBERT
 PHONE: 651-378-2633
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 EMAIL: JEFFREY.GILBERT@LUMEN.COM

WC: OSSEMNXD
 JOB: P.112932 - B14

DRAWING SYMBOLS
 THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA



NO SCALE
SHEET: 14 OF 22

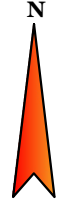


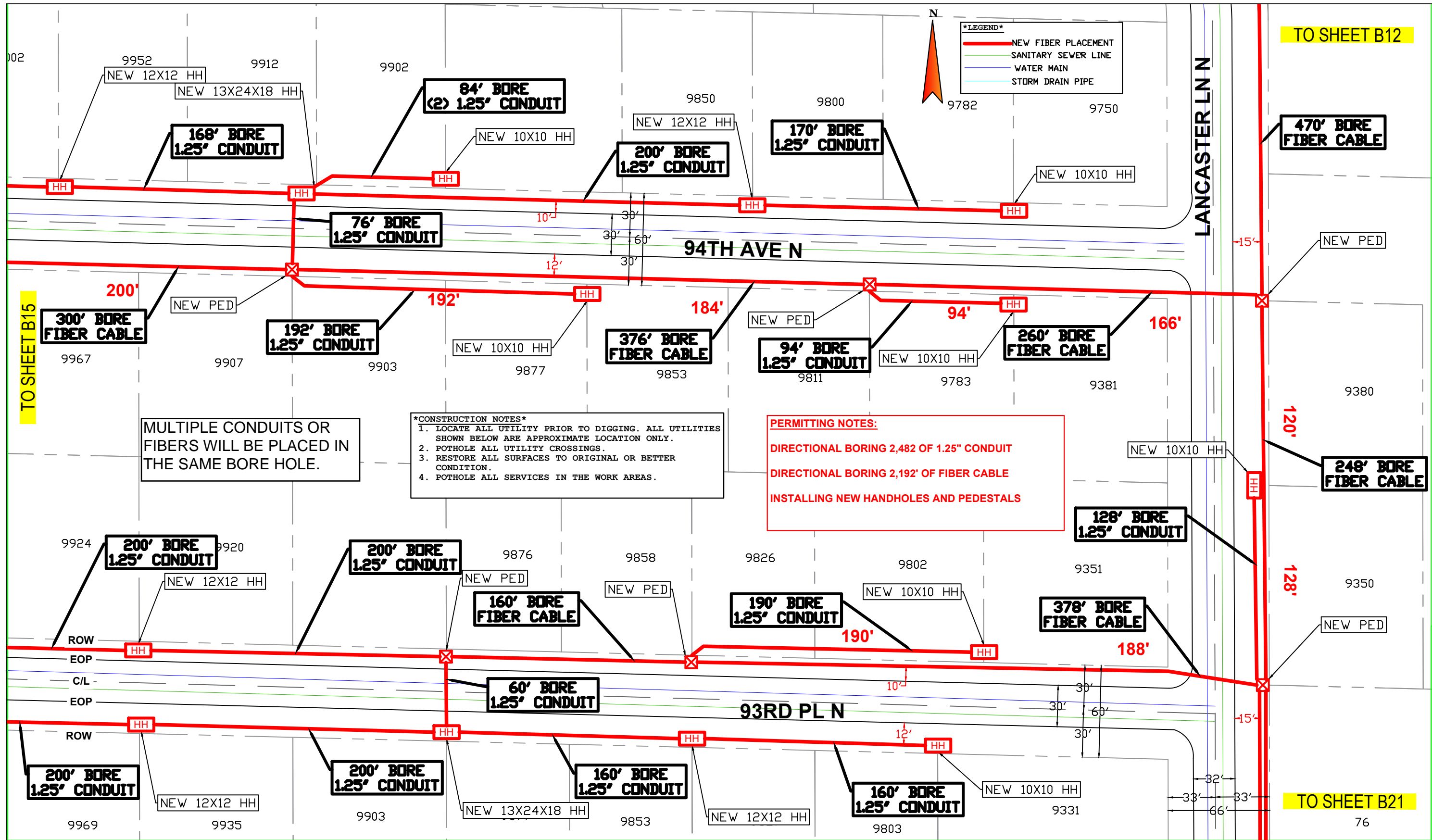
CONSTRUCTION NOTES
 1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
 2. POTHOLE ALL UTILITY CROSSINGS.
 3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
 4. POTHOLE ALL SERVICES IN THE WORK AREAS.

PERMITTING NOTES:
 DIRECTIONAL BORING 1,026' OF 1.25" CONDUIT
 DIRECTIONAL BORING 752' OF FIBER CABLE
 INSTALLING NEW HANDHOLES AND PEDESTALS

MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.

LEGEND
 — NEW FIBER PLACEMENT
 — SANITARY SEWER LINE
 — WATER MAIN
 — STORM DRAIN PIPE





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WC: OSSEMNXD
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DRAWING SYMBOLS
 THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA



NO SCALE
 SHEET: 16 OF 22

CONSTRUCTION NOTES
 1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
 2. POT HOLE ALL UTILITY CROSSINGS.
 3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
 4. POT HOLE ALL SERVICES IN THE WORK AREAS.

PERMITTING NOTES:
 DIRECTIONAL BORING 20' OF 1.25" CONDUIT
 INSTALLING NEW PEDESTAL

LEGEND
 — NEW FIBER PLACEMENT
 — SANITARY SEWER LINE
 — WATER MAIN
 — STORM DRAIN PIPE



VACANT 76

BU 1 11074

BU 1 11000

VACANT 10920

NEW PED

ROW
EOP

93RD AVE N / CR-30

C/L

100'

15'

EOP

ROW

76'

NEW PED

**176' BORE
1.25' CONDUIT**

**436' BORE
1.25' CONDUIT**

BU 5

10907
10927
10937
10947
10957

**86' BORE
1.25' CONDUIT**

NEW PED

BU 1 10987

ZACHARY LN N

WELLINGTON LN N

TO SHEET B18

DO NOT SERVE AT THIS TIME
LD1100093AN, 2 ASSIGNED

11071

BU 2

MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.

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 JOB: P.112932 - B17

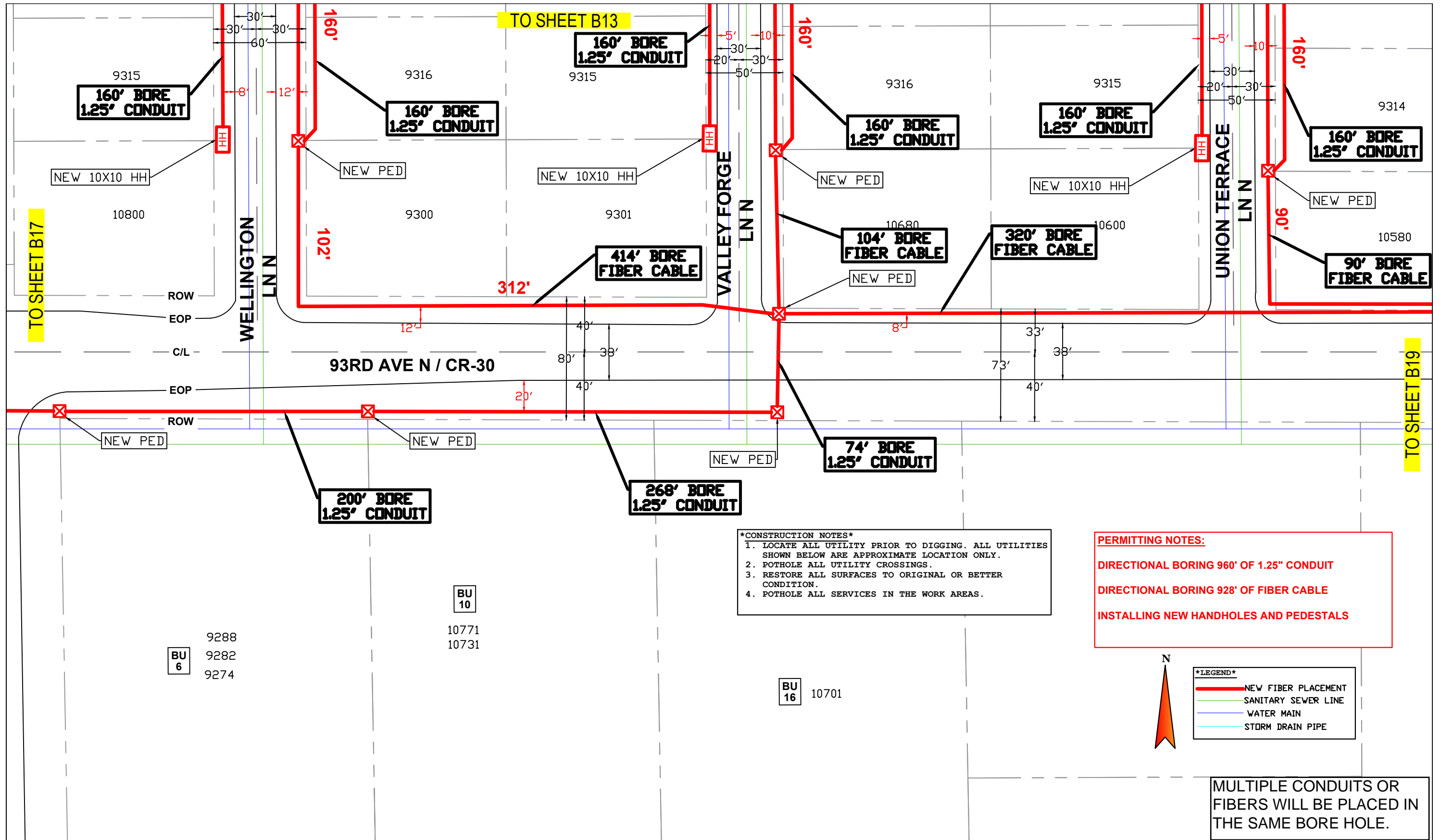
DRAWING SYMBOLS

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA



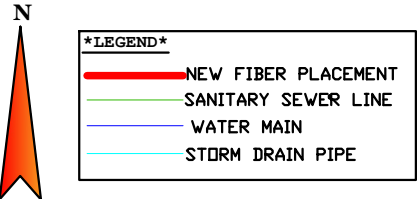
NO SCALE

SHEET: 17 OF 22

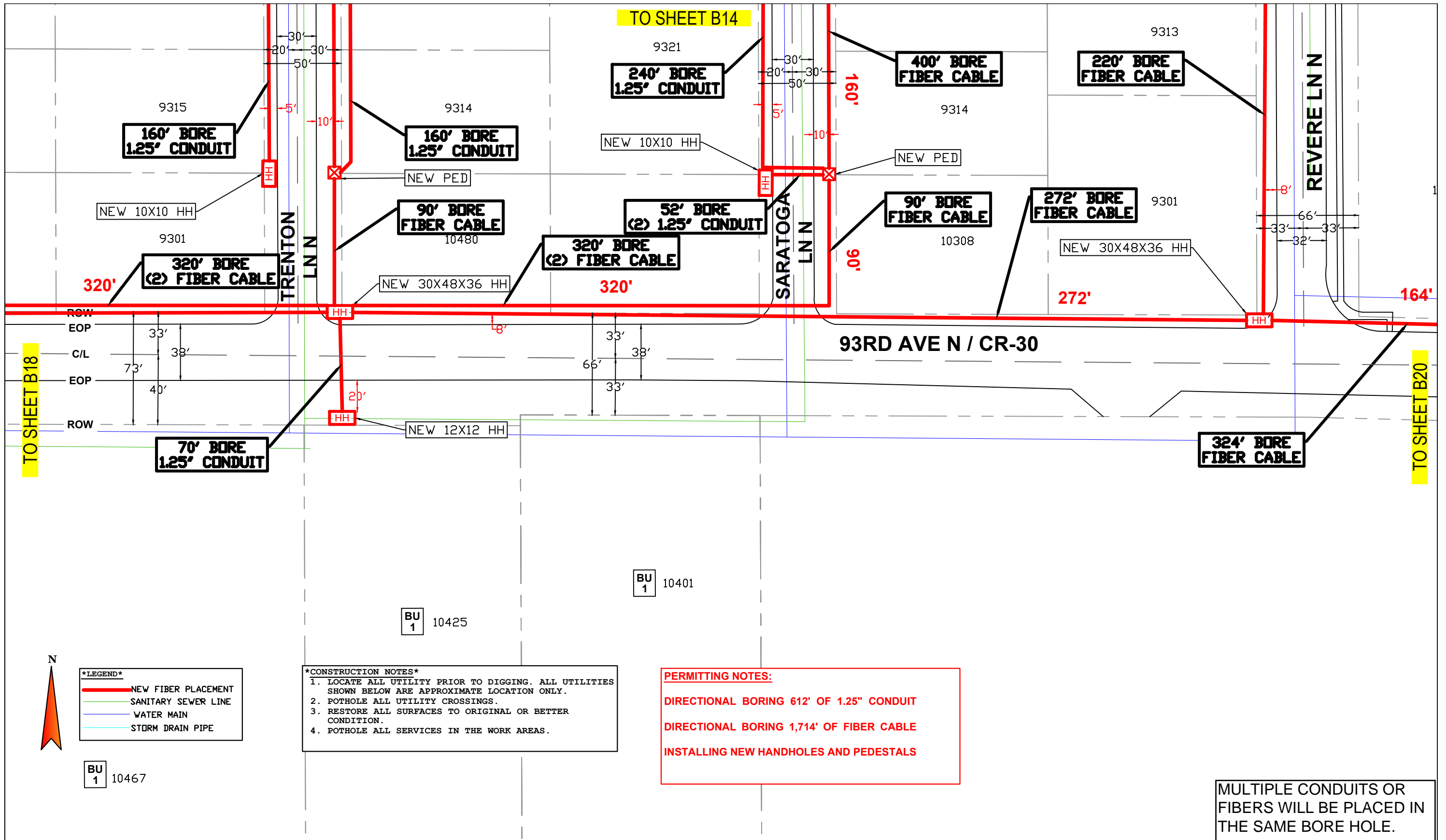


CONSTRUCTION NOTES
 1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
 2. POT HOLE ALL UTILITY CROSSINGS.
 3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
 4. POT HOLE ALL SERVICES IN THE WORK AREAS.

PERMITTING NOTES:
 DIRECTIONAL BORING 960' OF 1.25" CONDUIT
 DIRECTIONAL BORING 928' OF FIBER CABLE
 INSTALLING NEW HANDHOLES AND PEDESTALS



MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.



LEGEND
 NEW FIBER PLACEMENT
 SANITARY SEWER LINE
 WATER MAIN
 STORM DRAIN PIPE

CONSTRUCTION NOTES
 1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
 2. POTHOLE ALL UTILITY CROSSINGS.
 3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
 4. POTHOLE ALL SERVICES IN THE WORK AREAS.

PERMITTING NOTES:
 DIRECTIONAL BORING 612' OF 1.25" CONDUIT
 DIRECTIONAL BORING 1,714' OF FIBER CABLE
 INSTALLING NEW HANDHOLES AND PEDESTALS

MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.

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WC: OSSEMNXD
 JOB: P.112932 - B19

DRAWING SYMBOLS
 THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA



NO SCALE
 SHEET: 19 OF 22



LEGEND

- NEW FIBER PLACEMENT
- SANITARY SEWER LINE
- WATER MAIN
- STORM DRAIN PIPE

CONSTRUCTION NOTES

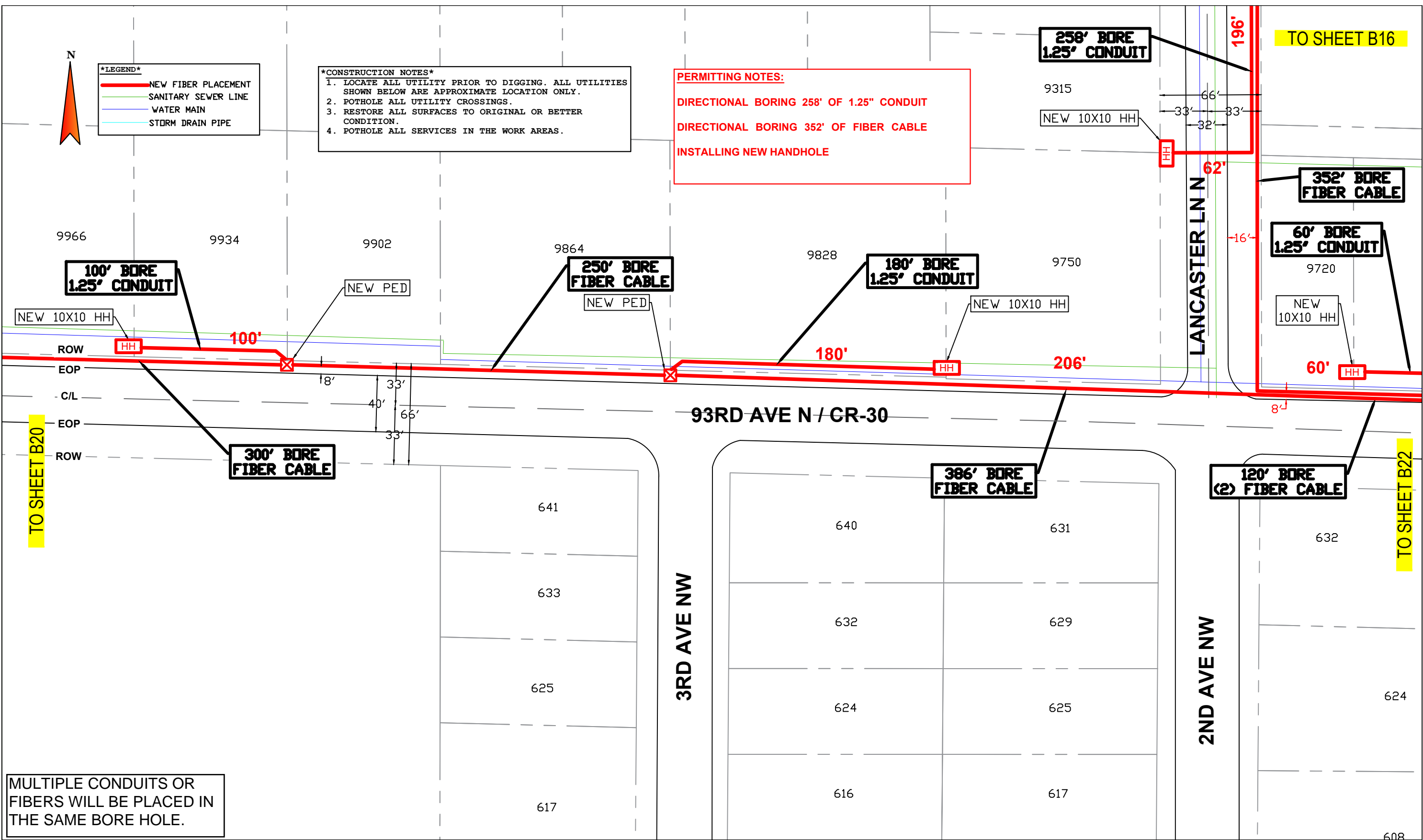
1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
2. POT HOLE ALL UTILITY CROSSINGS.
3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
4. POT HOLE ALL SERVICES IN THE WORK AREAS.

PERMITTING NOTES:

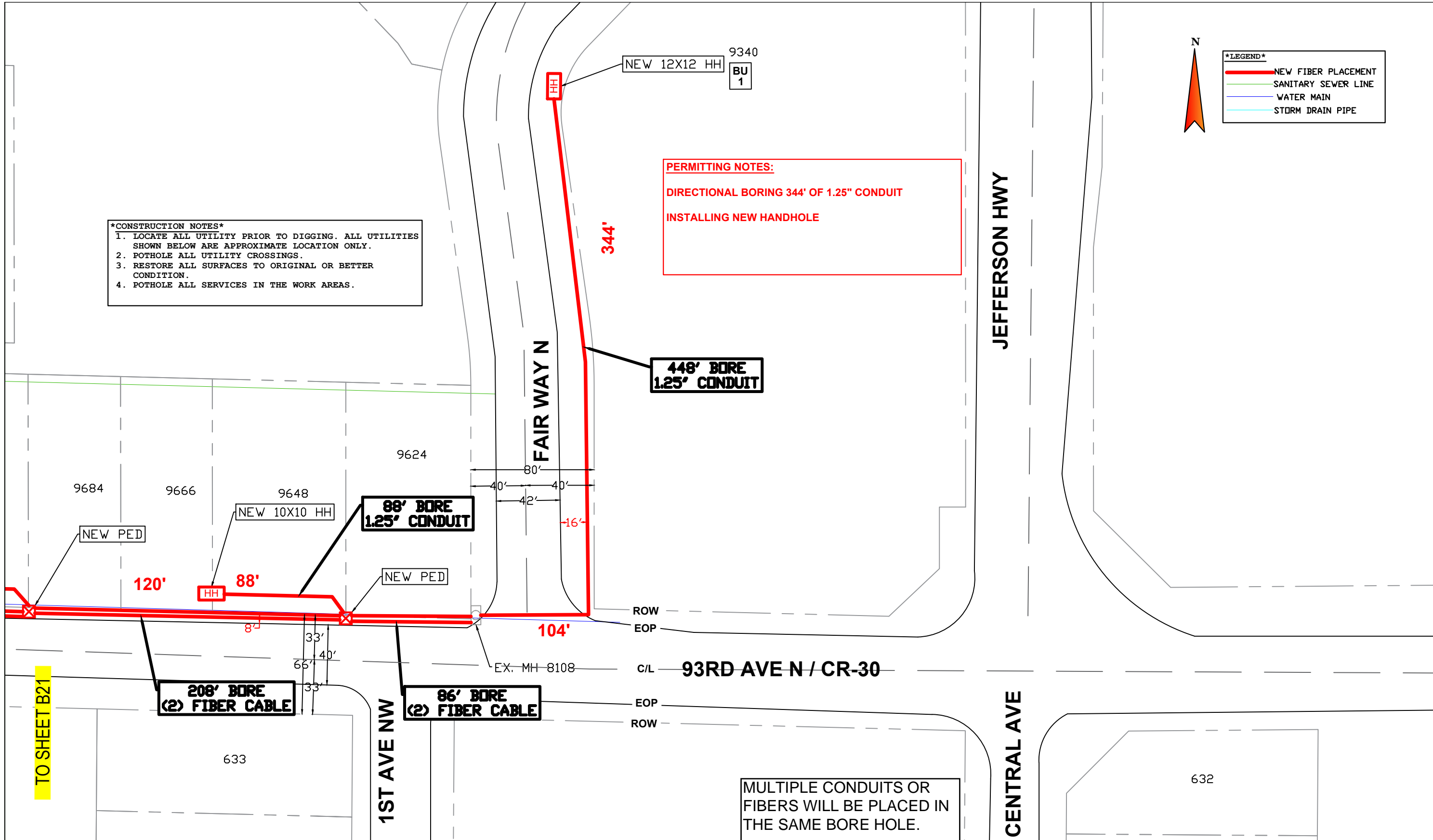
DIRECTIONAL BORING 258' OF 1.25" CONDUIT

DIRECTIONAL BORING 352' OF FIBER CABLE

INSTALLING NEW HANDHOLE



MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.



CONSTRUCTION NOTES
 1. LOCATE ALL UTILITY PRIOR TO DIGGING. ALL UTILITIES SHOWN BELOW ARE APPROXIMATE LOCATION ONLY.
 2. POTHOLE ALL UTILITY CROSSINGS.
 3. RESTORE ALL SURFACES TO ORIGINAL OR BETTER CONDITION.
 4. POTHOLE ALL SERVICES IN THE WORK AREAS.

PERMITTING NOTES:
 DIRECTIONAL BORING 344' OF 1.25" CONDUIT
 INSTALLING NEW HANDHOLE

LEGEND

- NEW FIBER PLACEMENT
- SANITARY SEWER LINE
- WATER MAIN
- STORM DRAIN PIPE

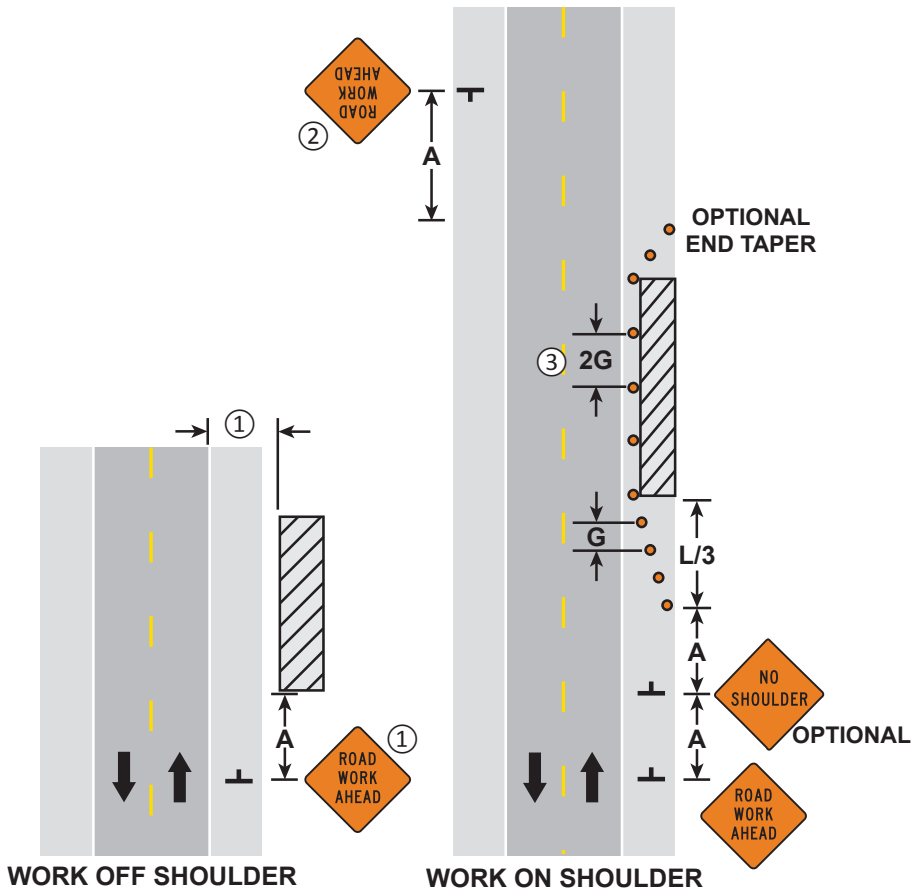


TO SHEET B21

MULTIPLE CONDUITS OR FIBERS WILL BE PLACED IN THE SAME BORE HOLE.

NOTES:

- ① The ROAD WORK AHEAD sign may be omitted for short term daylight operations if a vehicle is displaying and operating a 360-degree flashing beacon and:
 - a. The distance from curb face to the work space is at least 2 feet, or
 - b. The distance from the edge of the roadway to the work space is at least 15 feet.
- ② This ROAD WORK AHEAD sign shall be installed on two-lane, two-way roads if traffic control devices are installed for a work space in the opposite shoulder.
- ③ If this layout is used to close a parking lane that is normally open to vehicle travel during the time of day the closure will be in effect, the lane shall be considered a traveled lane and not a parking lane. [Layout 42](#) shall be used to provide traffic control for the lane closure.
4. If this layout is used to close a parking lane, channelizer spacing may be reduced from 2G to G in high volume areas.



SHOULDER AND PARKING LANE CLOSURE

Work On or Near Shoulder

3 DAYS or LESS

LAYOUT 8