

Final Engineering Plans

Columbia Street

Parkside Avenue to 200' south

Naperville, IL

ELEVATION DATA

Elevations shown are based on the North American Vertical Datum of 1988 (NAVD 88) as determined by Local C.O.R.S. observation.

SITE BENCHMARKS

#1 A cross cut on curb at the west side of Columbia Street at the south end of the project.
Elev=712.20 NAVD 88

#2 Bury bolt on Fire Hydrant at the northwest corner of Parkside Avenue and Columbia Street.
Elev=714.60 NAVD 88

LEGEND

Existing Proposed

- 



Manhole

Catchbasin

Storm Inlet

Curb Inlet

Water Valve Vault

Fire Hydrant

Watermain

Sanitary Sewer

Combined Sewer

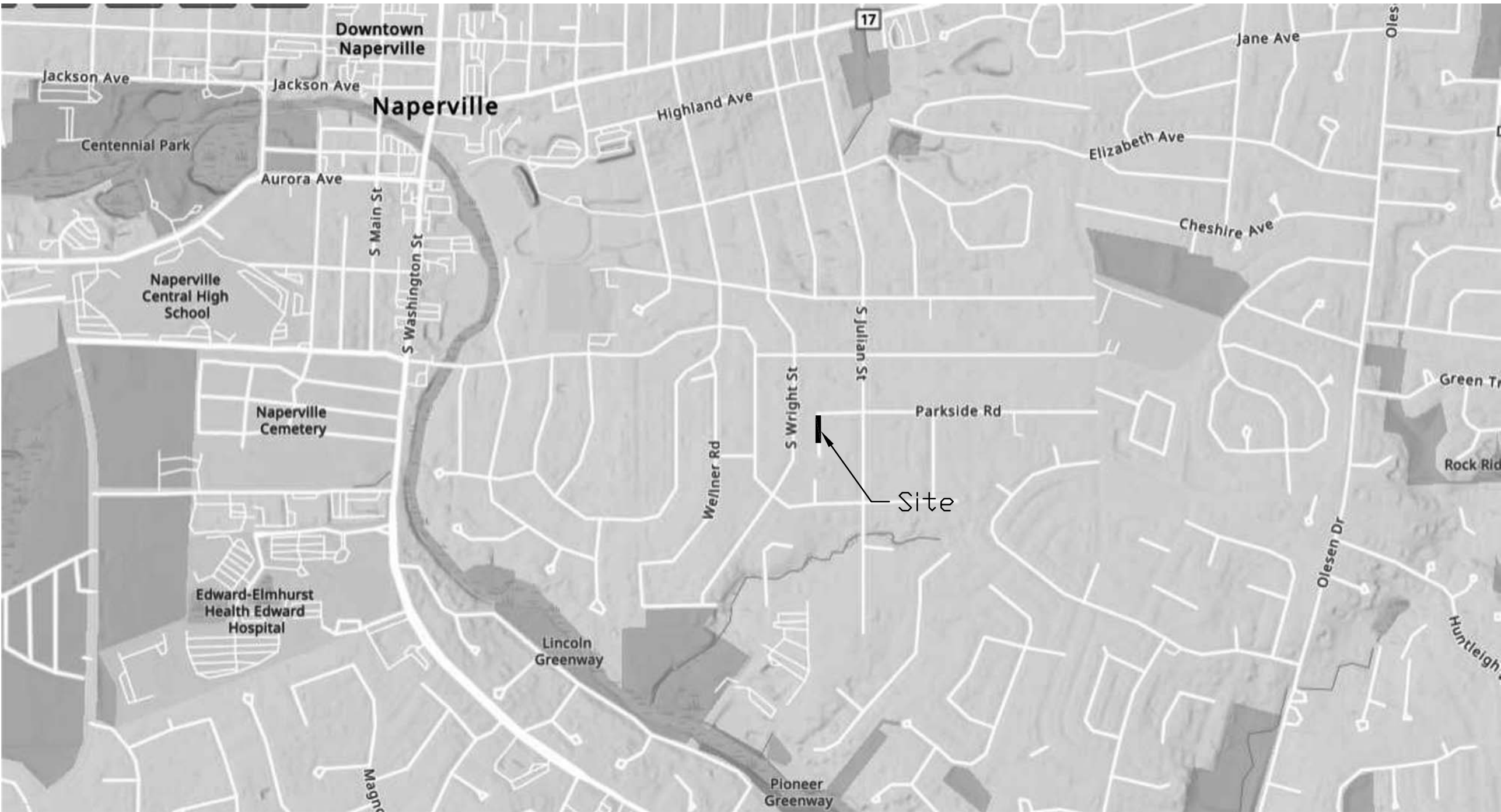
Storm Sewer

Flared End Sec.

Contours

Drainage Flows

Street Light



LOCATION MAP
NTS

INDEX OF SHEETS

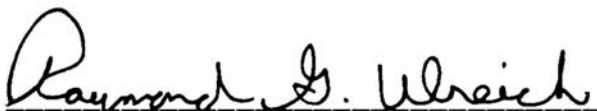
1. Cover Sheet
2. General Notes and Specifications
3. Existing & Proposed Geometry
4. Plan Profile
5. Construction Details



ENGINEER CERTIFICATE

I hereby certify that the project described herein has been designed in accordance with the requirements set forth in this application and all applicable ordinances, rules, regulations, local, state and federal laws, and design criteria of the issuing authority.

Dated this 10th day of April, 2025.


Raymond G. Ulreich, IL Licensed Professional
Engineer No. 062-040213, Expires 11/30/2025



TOPOGRAPHIC SURVEY BY:

Taurus Engineering LLC

DATE	REVISION

Dated: March 10, 2025	
PREPARED FOR:	
Nexgen Realty Solutions, Inc. 10661 S Roberst Rd Suite #206 Palos Hills, IL 60465 773-414-1516 bakoconstruction@gmail.com	
PREPARED BY:	
TAURUS ENGINEERING L.L.C. 5N557 Route 59 Bartlett, IL 60103 (630) 549-5506 tauruseng@sbcglobal.net	

GENERAL NOTES

- ## STORM SEWER NOTES (GENERAL)

- STORM SEWER NOTES (STORM SEWER WORK IN PLANS)**

- ### EROSION CONTROL AND DRAINAGE NOTES (GENERAL)

- ### EROSION CONTROL AND DRAINAGE NOTES (PROJECT SPECIFIC)

- ### GEOMETRIC AND PAVING NOTES (GENERAL)

- ### TRAFFIC CONTROL AND PROTECTION NOTES (GENERAL)

- | | | | |
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| NO. | DATE | DESCRIPTION | BY |

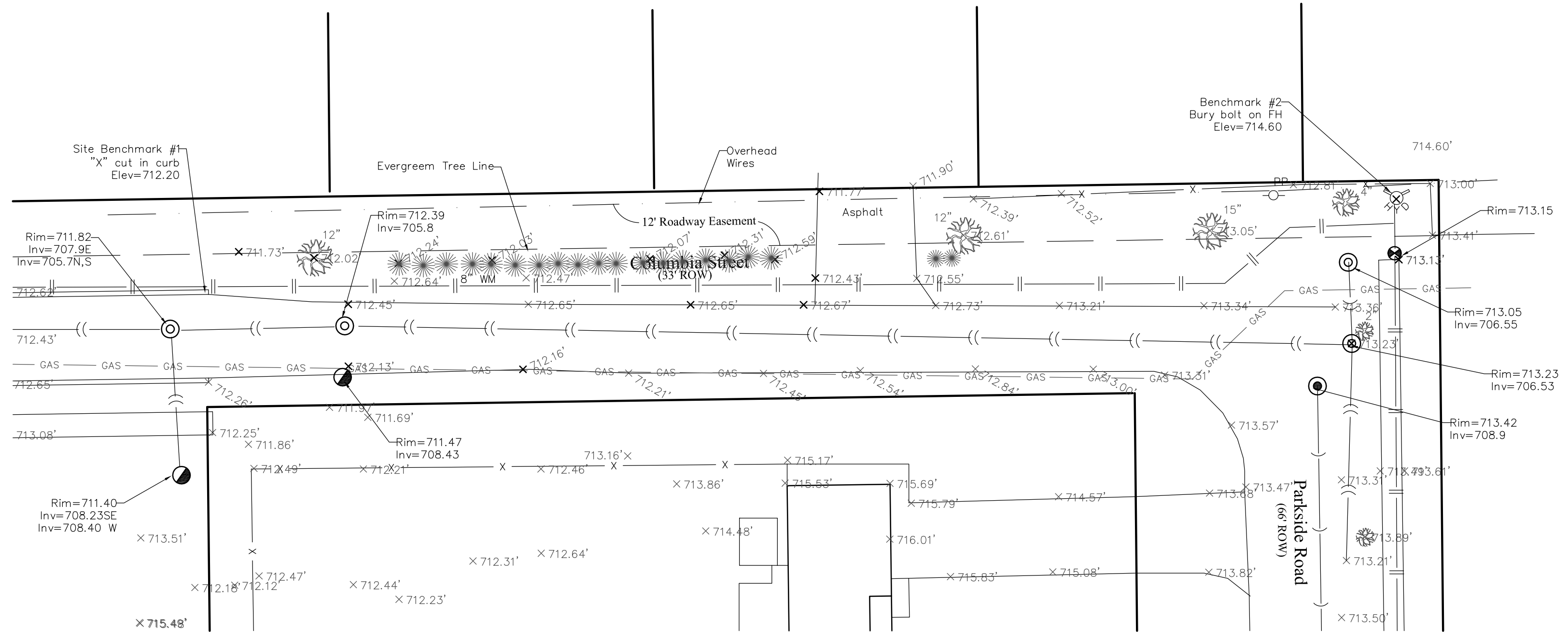
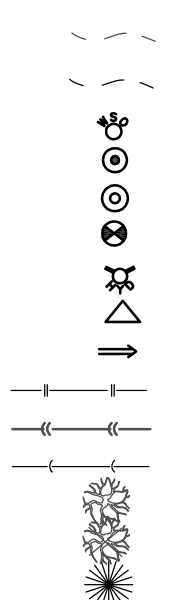
Columbia Street

DATE: 4-10-2025

SHEET NUMBER 2 OF 5

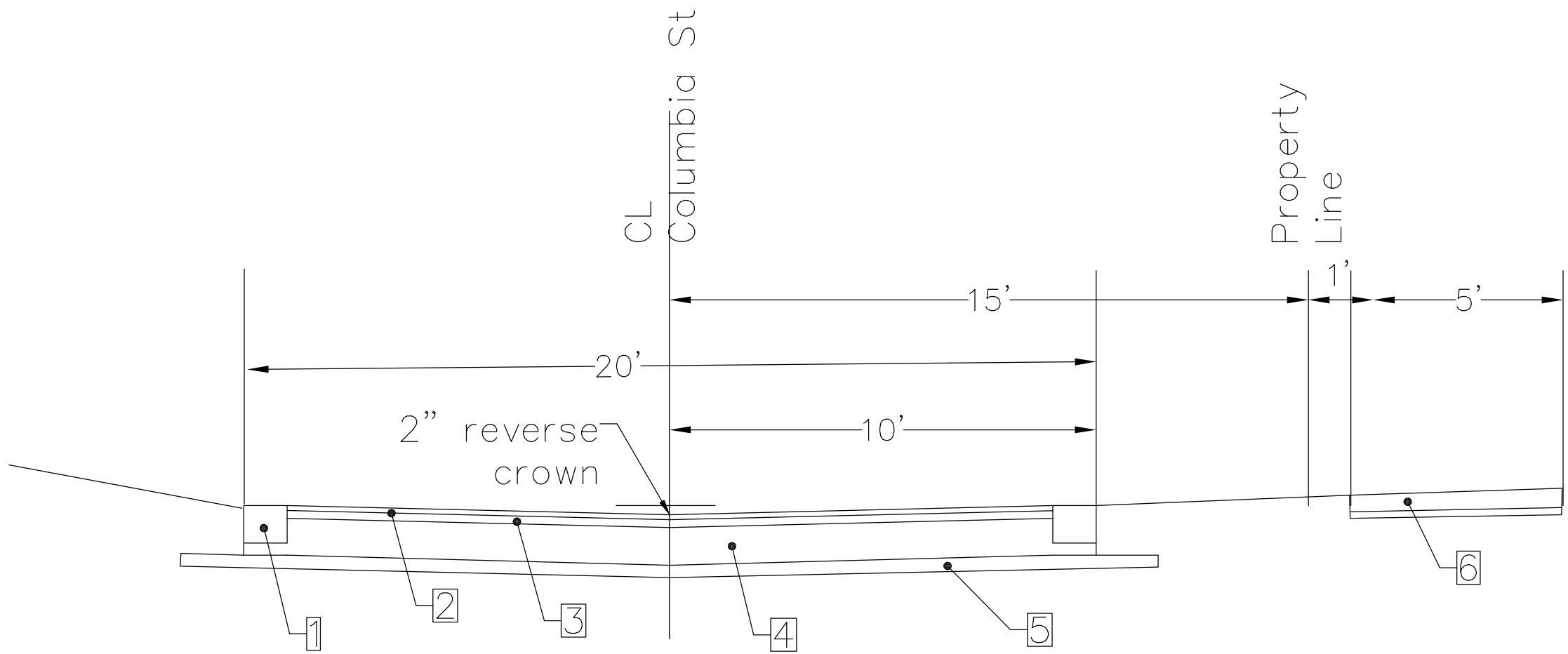


- Legend**
- TF = Top of Foundation
 - GF = Garage Floor
 - LO = Look Out
 - WO = Walk Out
 - TC = Top of Curb
 - BW = Back of Walk
 - FG = Finished Grade
 - P.U.E. = Public Utility Easement
 - D.E. = Drainage Easement
 - CL = Center Line
 - x (100.00) = Proposed Elevation
 - x 100.00 = Existing Elevation
 - = Existing Contour
 - = Proposed Contour
 - = B-box
 - = Storm Manhole
 - = San Manhole
 - = Valve Vault
 - = Fire Hydrant
 - = Down spout
 - = Drainage Flow
 - = Watermain
 - = Storm Sewer
 - = Sanitary Sewer
 - = Exst. Tree
 - = Remove Tree
 - = Proposed Evergreens



Existing

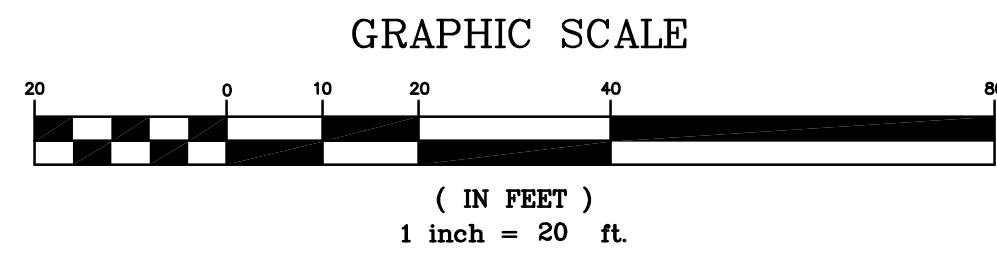
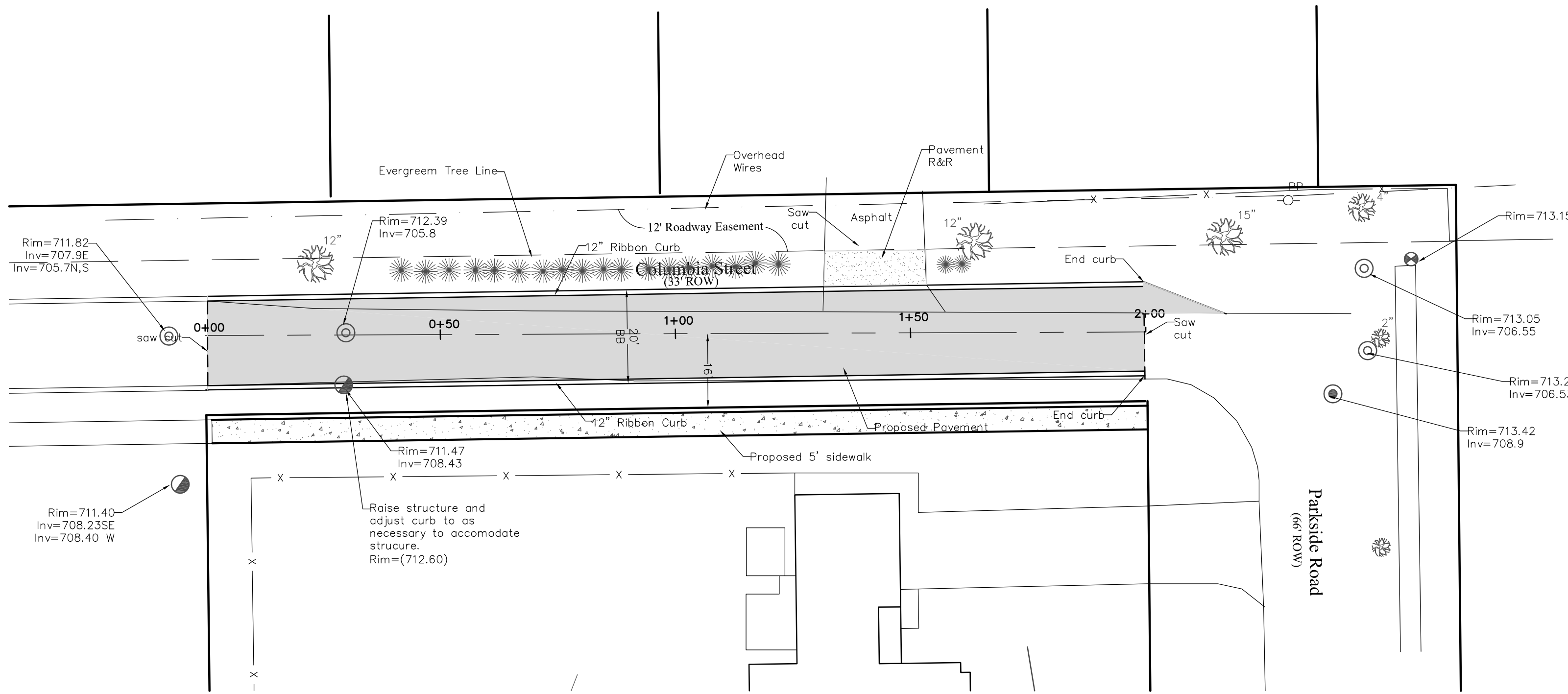
Geometry



- 12"x12" ribbon curb, on 4" CA-6
- 1 1/2" HMA Surface course, IL-9.5
- 2 1/2" HMA Binder Course, IL -19.0
- 12" Aggregate Base Course, Type B (CA-60)
- Compacted Subgrade (95% Standard Proctor)
- Sidewalk, 4" PCC, Class SI, 2" CA-6

$$SN=(1.5 \times 0.4) + 2.5 \times 0.33 + (12 \times 0.14) = 2.99$$

Columbia Street Typical Section



Existing & Proposed Geometry

Columbia Street

DATE: 4-10-2025

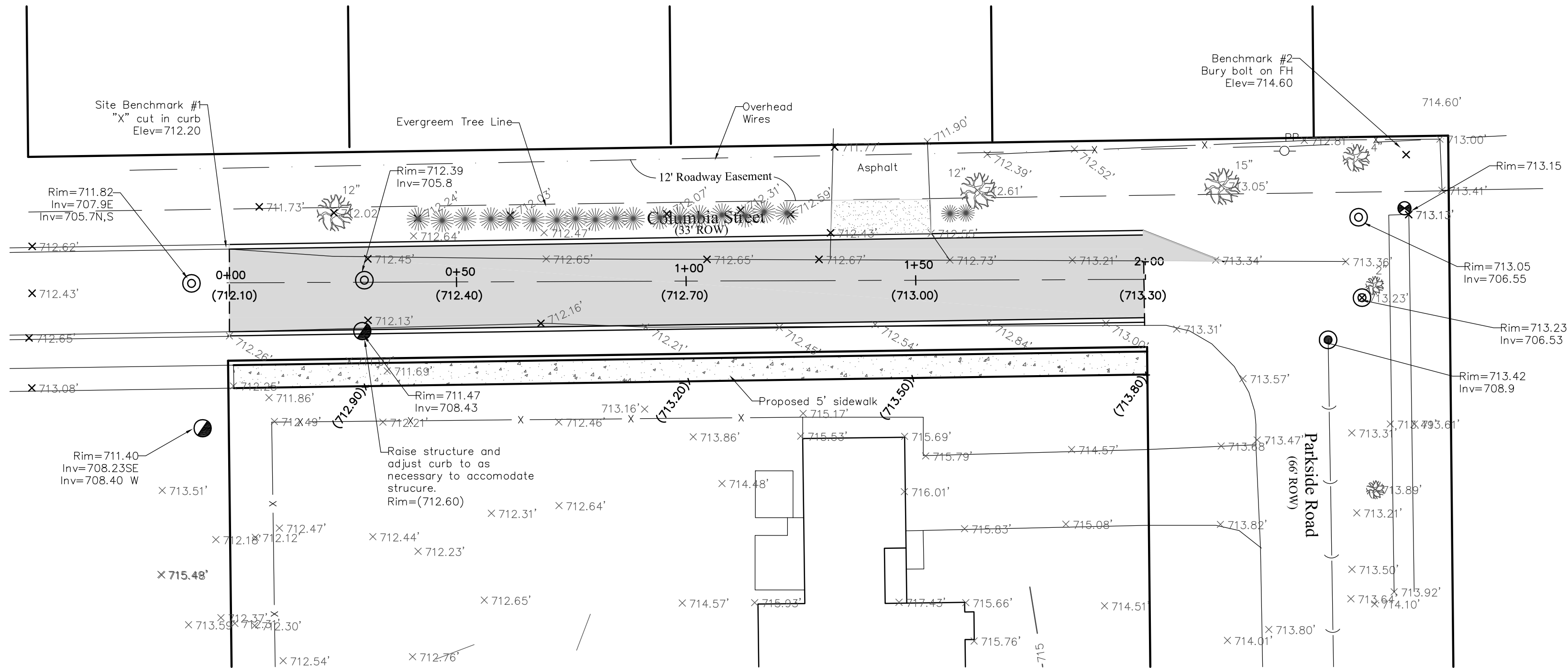
SCALE: 1"=20'

SHEET NUMBER 3 OF 5

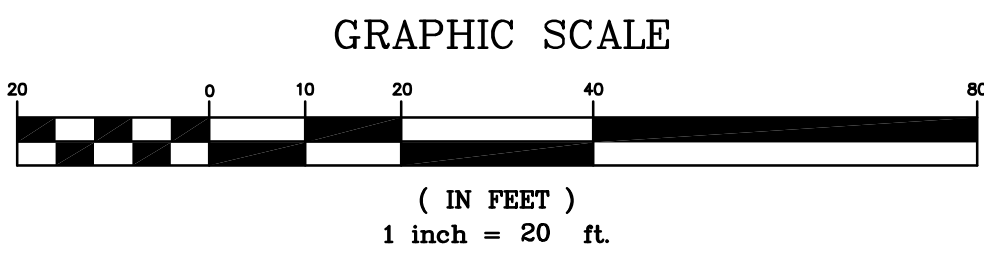
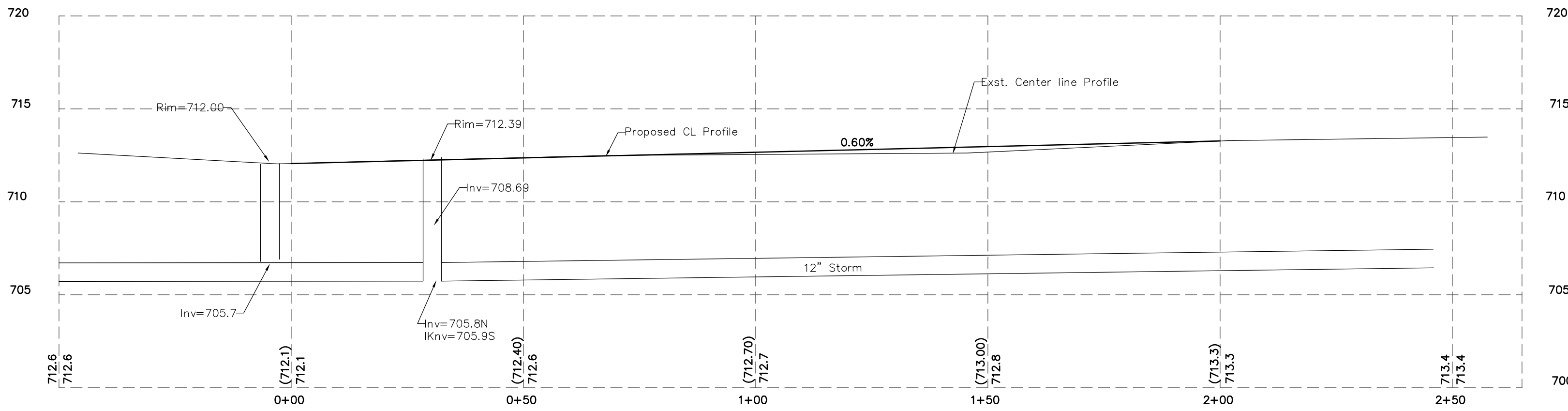
NO.	DATE	DESCRIPTION	BY

Plan

Profile



- Legend**
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 - ⊕ = Drainage Flow
 - ⊕ = Watermain
 - ⊕ = Storm Sewer
 - ⊕ = Sanitary Sewer
 - ⊕ = Exst. Tree
 - ⊕ = Remove Tree
 - ⊕ = Proposed Evergreens



Plan Profile

Columbia Street

DATE: 4-10-2025

SCALE: 1"=20', 1"=5'V

SHEET NUMBER 4 OF 5

NO.	DATE	DESCRIPTION	BY

DAYTIME USE CONES

DAY OR NIGHTTIME USE CONES

TUBULAR MARKER

VERTICAL PANEL

DRUM

TYPE I BARRICADE

TYPE II BARRICADE

TYPE III BARRICADE

DIRECTION INDICATION BARRICADE

VERTICAL BARRICADE

DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

GENERAL NOTES

TRAFFIC CONTROL DEVICES

STANDARD 701901-08

BUSINESS DISTRICT (SEE STANDARD DETAIL 590.14 FOR DOWNTOWN STREETSCAPE)

1/2" PREMOULDED EXPANSION JOINT

SEE CURB RAMPS STANDARD DETAIL 590.32

1/2" PREMOULDED EXPANSION JOINT BETWEEN WALK & BUILDING

8" MIN.

1/2" PREMOULDED EXPANSION JOINT AT 45° INTERVALS

LONGITUDINAL CONTRACTION JOINT

TRANSVERSE CONTRACTION JOINT

DEPRESSED CURB (TYP)

SEE COMMERCIAL DRIVEWAY STANDARD DETAIL 590.05

CURB LINE

SEE RESIDENTIAL DRIVEWAY STANDARD DETAIL 590.06

DEPRESSED CURB (TYP)

1/2" PREMOULDED EXPANSION JOINT AT DRIVEWAY

CURB LINE

PREMOULDED 1/2" EXPANSION JOINT AT INTERSECTIONS

5' (TYP.)

DRIVEWAY

1/2" PREMOULDED EXPANSION JOINT AT 45° INTERVALS

PRIVATE WALK

RESIDENTIAL AREA

City of Naperville STANDARD DETAIL

SIDEWALK CONSTRUCTION

PAVEMENT 31

REVISED: 01/01/2013

SHEET 1 OF 1

590.31

MIN. SLOPE 2% MAX. SLOPE 25%

2.0% (1:50) MAX. SLOPE

MIN. SLOPE 2% MAX. SLOPE 25%

2" COMPACTED AGGREGATE SUBBASE, CA-6

SIDEWALK SECTION

MIN. SLOPE 2% MAX. SLOPE 25%

2.0% (1:50) MAX. SLOPE

MIN. SLOPE 2% MAX. SLOPE 25%

2" COMPACTED AGGREGATE SUBBASE, CA-6

SIDEWALK SECTION

NOTES:

1. CONCRETE SHALL BE IDOT CLASS SL.

2. MINIMUM SIDEWALK THICKNESS SHALL BE 4".

3. SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE AT A MINIMUM 6" FOR RESIDENTIAL DRIVEWAYS AND 8" FOR COMMERCIAL DRIVEWAYS.

4. MAXIMUM LONGITUDINAL SLOPE SHALL NOT EXCEED 5% (20:1). FOR ANY SLOPE IN EXCESS OF 5%, ALL REQUIREMENTS OF THE ILLINOIS ACCESSIBILITY CODE (LATEST EDITION) SHALL BE MET.

5. MINIMUM TRANSVERSE SLOPE SHALL BE 1.0% (1:100). MAXIMUM TRANSVERSE SLOPE SHALL BE 2.0% (1:50).

6. A MINIMUM 2" AGGREGATE SUBBASE (CA-6) SHALL BE PROVIDED. (4" THROUGH COMMERCIAL DRIVEWAYS).

7. AGGREGATE SUBBASE SHALL BE MECHANICALLY COMPACTED.

8. ALL SIDEWALKS SHALL BE PROMPTLY BACKFILLED AND PROTECTED FROM DAMAGE.

9. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.

10. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

City of Naperville STANDARD DETAIL

SIDEWALK

PAVEMENT 30

REVISED: 01/01/2013

SHEET 1 OF 1

590.30

10' Min

10' Min

30-MIL POLYETHYLENE

6" WIRE STAPLE OR SANDBAG (ANCHOR EVERY 2')

PLAN VIEW

6" Wire Staple or Sandbag

30-Mil Polyethylene

Native Soil

Linear Anchor

STRAW BALE ANCHOR SECTIONS

Letters 6" Min. Height

3.5' Min.

CONCRETE WASHOUT AREA

3.5'

4"x4"x4" Wood Post or 6" Steel Post Min.

SIGN DETAIL

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.

2. Facility shall be cleaned or reconstructed in a new one once washout becomes two-thirds full.

3. Each straw bale is to be stacked in place using (2) 2"x2"x4" wooden stakes.

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE

POST MOUNTED SIGNS

MAX WIDTH XX' - XX" X MILES AHEAD

STOP

SLOW

FLAGGER TRAFFIC CONTROL SIGN

TRAFFIC CONTROL DEVICES

STANDARD 701901-08

TYPE A BARRICADE

TYPE B BARRICADE

TYPE C BARRICADE

ARROW BOARDS

TEMPORARY RUMBLE STRIPS

TRAFFIC CONTROL DEVICES

STANDARD 701901-08

TREE PROTECTION AREA

PROTECTIVE TREE FENCE - TYP

THE CONTRACTOR SHALL HAVE THE TREE LIMBS PRUNED THAT MIGHT BE DAMAGED BY EQUIPMENT OPERATIONS PRIOR TO CONSTRUCTION COMMENCING.

ONE FOOT FOR EACH ONE INCH OF TREE DIA. 30" MAX

EARTH SAWCUTTING OF THE TREE ROOTS TO BE PERFORMED AT THE LIMITS OF THE TREE PROTECTION AREA OR AS INDICATED ON THE PLANS (2" MINIMUM DEPTH)

NOTES:

1. A TREE PROTECTION AREA SHALL BE ESTABLISHED AROUND A TREE A DISTANCE OF ONE FOOT FOR EACH ONE INCH OF TREE DIAMETER. UP TO A MAXIMUM OF 30 FEET.

2. PROTECTIVE TREE FENCE SHALL BE INSTALLED AT THE LIMITS OF THE TREE PROTECTION AREA. THE FENCE SHALL BE HIGH ENOUGH SO AS TO BE VISIBLE TO ALL CONSTRUCTION EQUIPMENT.

3. GRADE CHANGES, UTILITY TRENCHES, STORAGE OF CONSTRUCTION MATERIAL, DUMPING OF WASTE, OR OPERATION OR STORAGE OF ANY EQUIPMENT SHALL NOT BE ALLOWED WITHIN THE TREE PROTECTION AREA.

4. AUGURING IS REQUIRED IF A UTILITY MUST BE INSTALLED WITHIN THE TREE PROTECTION AREA. AUGURED UTILITIES MUST BE A MINIMUM OF 24 INCHES BELOW GRADE.

5. ALL TREES TO BE SAVED WHICH HAVE BEEN SUBJECTED TO CONSTRUCTION ACTIVITY WITHIN THE TREE PROTECTION AREA SHOULD BE SELECTIVELY THINNED 10% BY AN ARBORIST SKILLED AT THE SELECTIVE THINNING PROCEDURE. NONE OF THE TREES SHALL BE TOPPED, HEADED BACK, SKINNED (REMOVAL OF THE INTERIOR BRANCHES), OR CLIMBED WITH SPIKES. ALL DEAD WOOD SHOULD BE REMOVED TO AVOID HAZARD.

6. IT IS RECOMMENDED THAT FOLLOWING CONSTRUCTION, TREES BE MAINTAINED IN THEIR NATIVE CONDITION. NO LAWN SHOULD BE PLACED AROUND THE TREES. IT IS RECOMMENDED THAT THE AREA BE MULCHED WITH 2 INCHES OF DECOMPOSED LEAVES AND 2 INCHES OF WOOD CHIPS OR BARK.

City of Naperville STANDARD DETAIL

TREE PROTECTION

LANDSCAPE 10

REVISED: 06/01/2018

SHEET 1 OF 1

790.10

FLEXSTORM INLET FILTERS PRODUCT SELECTION AND SPECIFICATION DRAWING

1. IDENTIFY YOUR FRAME STYLE, SIZE, AND MATERIAL

2. SELECT YOUR FILTER BAG PART NUMBER

3. CREATE YOUR FLEXSTORM INLET FILTER PART NUMBER

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC. DISTRIBUTED BY ADS WWW.INLETFILTERS.COM (866) 287-8655 PH (630) 355-3477 FX INFO@INLETFILTERS.COM

Construction Details

Columbia Street

DATE: 4-10-2025

SCALE: 1"=20'

SHEET NUMBER 5 OF 5

NO.	DATE	DESCRIPTION	BY
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