FINAL ENGINEERING PLANS
FOR

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE, IL

PROJECT TEAM

OWNER/DEVELOPER

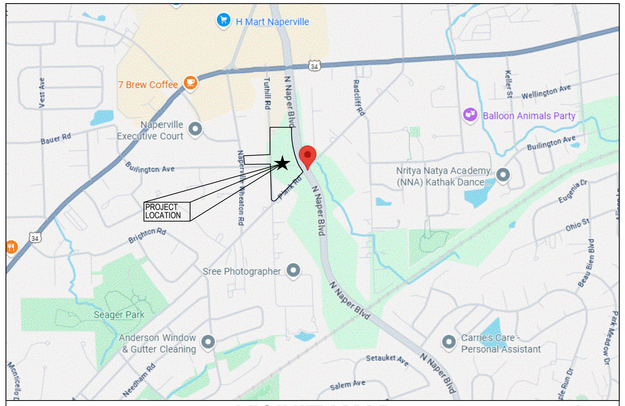
Lincoln Property Company
120 N. LaSalle Street, Suite 2900
Chicago, IL 60602
847-208-0915
Contact: Zack Grabijas, PE

ENGINEER

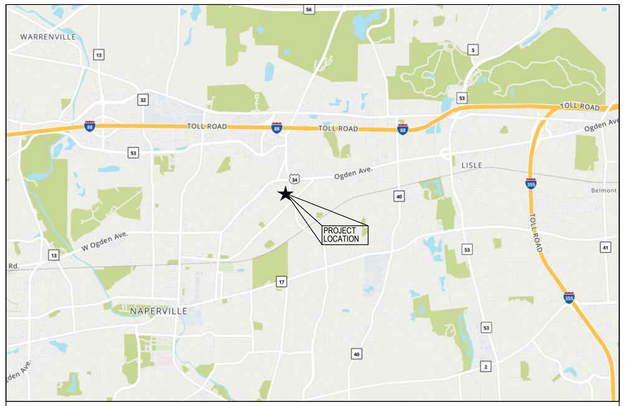
V3 Companies, Ltd.
7325 Janes Avenue
Woodridge, Illinois 60517
630-724-9200
Project Manager: Dan Free
dfree@v3co.com
Project Engineer: Tom Kunschke
tkunschke@v3co.com
Design Engineer: Noah Brackenbury
nbrakenbury@v3co.com

LANDSCAPE ARCHITECT

BSB Design
220 N. Smith Street, Suite 210
Palatine, IL 60067
847-705-2200
Contact: Terry Smith



VICINITY MAP
NO SCALE



LOCATION MAP
NO SCALE

INDEX

CIVIL ENGINEERING PLANS

Call Before You Dig
JULIE
800.892.0123
Call 48 hours before you dig
Joint Utility Locating Information for Excavators

PROFESSIONAL ENGINEER'S CERTIFICATION

I, DANIEL FREE, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THE CIVIL ENGINEERING PLANS WERE PREPARED ON BEHALF OF LINCOLN PROPERTY COMPANY BY V3 COMPANIES, LTD. UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.

DATED THIS _____DAY OF_____, A.D., 2025.

ILLINOIS LICENSED PROFESSIONAL ENGINEER 062-068404
MY LICENSE EXPIRES ON NOVEMBER 30, 2025

ILLINOIS LICENSED DESIGN FIRM NO. 184-000902

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

TITLE SHEET

THE RESIDENCES AT NAPER AND PLANK
NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C0.0

GENERAL NOTES

1. EXISTING SITE TOPOGRAPHY, UTILITIES, RIGHT-OF-WAY AND HORIZONTAL CONTROL SHOWN ON THE DRAWINGS WERE OBTAINED FROM A SURVEY PREPARED BY:

   V3 COMPANIES, LTD.
   7325 JANES AVENUE
   WOODRIDGE, IL 60517
   &
   CEMCON, LTD.
   2280 WHITE OAK CIRCLE, SUITE 100
   AURORA, IL 60502-9675

   COPIES OF THE SURVEY ARE AVAILABLE FROM THE SURVEYOR. SITE CONDITIONS MAY HAVE CHANGED SINCE THE SURVEY WAS PREPARED. CONTRACTORS TO VISIT SITE TO FAMILIARIZE THEMSELVES WITH THE CURRENT CONDITIONS.

2. ALL EXISTING TOPOGRAPHY, UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN.

3. CONTRACTOR IS TO VERIFY ALL EXISTING STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL AND STARTING WORK.

4. ALL APPLICABLE PROVISIONS OF THE CURRENT OCCUPATIONAL SAFETY AND HEALTH ACT ARE HEREIN INCORPORATED BY REFERENCE.

5. THE CONTRACTOR SHALL SUBSCRIBE TO ALL GOVERNING REGULATIONS AND SHALL OBTAIN ALL NECESSARY PUBLIC AGENCY PERMITS PRIOR TO STARTING WORK. THE CONTRACTOR, BY USING THESE PLANS FOR HIS/HER WORK, AGREE TO HOLD HARMLESS V3 COMPANIES LTD., THE MUNICIPALITY, THEIR EMPLOYEES AND AGENTS AND THE OWNER WHILE ACTING WITHIN THE SCOPE OF THEIR DUTIES FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, DAMAGES, AND THE COST OF DEFENSE ARISING OUT OF CONTRACTOR(S) PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE OWNER, HIS/HER AGENTS, THE ENGINEER, HIS/HER EMPLOYEES AND AGENTS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE OWNER OF THE ROADWAY.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."

8. EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED HEREON SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS WHICH ARE HEREBY MADE A PART HEREOF:

   A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS," AS PREPARED BY IDOT, LATEST EDITION.

   B. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," LATEST EDITION.

   C. ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS," AS PUBLISHED BY THE IEPA. LATEST EDITION.

   D. THE LATEST EDITIONS OF THE MUNICIPAL CODE AND STANDARDS OF THE CITY OF NAPERVILLE.

   E. THE NATIONAL ELECTRIC CODE.

   F. THE ILLINOIS ACCESSIBILITY CODE.

   G. CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (CCDD) REQUIREMENTS AS PUBLISHED BY THE IEPA. TESTING OF SOILS BEING EXPORTED FROM THE SITE AND APPROPRIATE DISPOSAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

   IN THE EVENT OF CONFLICTING SPECIFICATIONS WITH REGARD TO SITEWORK ISSUES DESIGNED BY THE ENGINEER, THE MORE STRINGENT REQUIREMENT SHALL GOVERN

9. THE CONTRACTOR SHALL NOTIFY THE AUTHORITY HAVING JURISDICTION AT LEAST 48 HOURS PRIOR TO COMMENCING ANY WORK AND FOR ANY NEW CONSTRUCTION REQUIRING INSPECTION.

10. ALL TREES TO BE SAVED SHALL BE IDENTIFIED PRIOR TO CONSTRUCTION AND SHALL BE PROTECTED PER IDOT STANDARDS. THE RIGHT-OF-WAY LINE AND LIMITS OF THE CONTRACTOR'S OPERATIONS SHALL BE CLEARLY DEFINED THROUGHOUT THE CONSTRUCTION PERIOD. ALL TREES IDENTIFIED TO REMAIN SHALL BE PROTECTED FROM DAMAGE INCLUDING TRUNKS, BRANCHES AND ROOTS. NO EXCAVATING, FILLING OR GRADING IS TO BE DONE INSIDE THE DRIP LINE OF TREES UNLESS OTHERWISE INDICATED.

11. CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT ACCUMULATION OF MUD OR SOIL ON PUBLIC THOROUGHFARES. AT THE END OF EACH DAY AND AS OFTEN AS OTHERWISE NECESSARY THE CONTRACTOR SHALL CLEAN UP ALL MUD OR SOIL WHICH HAS BEEN TRACKED ONTO PUBLIC STREETS AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION AND AS DETAILED IN THE STORM WATER POLLUTION PREVENTION PLAN.

12. THE CONTRACTOR SHALL PROVIDE FOR THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS WHERE HIS/HER OPERATIONS ABUT PUBLIC THOROUGHFARES AND ADJACENT PROPERTY IN ACCORDANCE WITH THE CITY OF NAPERVILLE MUNICIPAL CODE AND IDOT REQUIREMENTS.

13. NO HOLES ARE TO BE LEFT OPEN IN THE PAVEMENT OR PARKWAY OVER A HOLIDAY, WEEKEND OR AFTER 3:00 P.M. ON THE DAY PRECEDING A HOLIDAY OR A WEEKEND.

14. ALL EXISTING PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAWCUT ALONG LIMITS OF PROPOSED REMOVAL BEFORE COMMENCEMENT OF PAVEMENT REMOVAL.

15. REMOVED PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR AS PART OF THE BASE CONTRACT.

16. NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE.

17. FOR REGULATED UTILITY LOCATIONS, THE CONTRACTOR SHALL CONTACT THE JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS, "J.U.L.I.E." AT 1-800-892-0123. LOCAL GOVERNMENT AGENCIES SHOULD BE CONTACTED BY THE CONTRACTOR FOR LOCATION OF ALL NONREGULATED UTILITY LOCATIONS. CALL FOR LOCATES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION.

18. BEFORE EXCAVATING OVER OR ADJACENT TO ANY EXISTING UTILITIES, CONTRACTOR SHALL NOTIFY THE OWNER OF SUCH UTILITIES TO ENSURE THAT PROTECTIVE WORK WILL BE COORDINATED AND PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER OF THE UTILITY INVOLVED. IF ANY EXISTING SERVICE LINES, UTILITIES AND UTILITY STRUCTURES WHICH ARE TO REMAIN IN SERVICE ARE UNCOVERED OR ENCOUNTERED DURING THIS OPERATION, THEY SHALL BE SAFEGUARDED, PROTECTED FROM DAMAGE AND SUPPORTED IF NECESSARY.

19. THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF "APPROVED" ENGINEERING PLANS WITH THE LATEST REVISION DATE ON THE JOB SITE PRIOR TO THE START OF CONSTRUCTION.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL AS DETAILED IN THE STORM WATER POLLUTION PREVENTION PLAN.

21. ALL CURB RADII REFER TO BACK OF CURB.

22. ANY AREAS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED IN CONFORMANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND SHALL BE INCIDENTAL TO THE CONTRACT.

23. STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE AND IF DAMAGED, SHALL BE REPLACED PROMPTLY IN CONFORMANCE WITH THE MUNICIPALITY OR IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.

24. PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED PAVING (ROADS, WALKS, DRIVES, ETC.) OR TOPSOIL AS INDICATED ON DRAWINGS.

25. CAD FILES ARE AVAILABLE FOR CONSTRUCTION LAYOUT UPON REQUEST.

26. BACKFILL SHALL BE PLACED NEXT TO THE CURB AS SOON AS PERMISSIBLE AFTER CONSTRUCTION TO PREVENT SCOURING AND UNDERCUTTING BY STORM WATER RUNOFF.

27. BUTT JOINTS SHALL BE PROVIDED WHEREVER NEW PAVEMENT ABUTS EXISITNG PAVEMENT. ALL BUTT JOINTS SHALL BE CONSTRUCTED BY MILLING AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE BITUMINOUS SURFACE COURSE.

28. WHEN AN EXISTING DRAINAGE ROUTE, EITHER A STORM SEWER OR WATERWAY, IS INTERRUPTED DUE TO CONSTRUCTION, THE DRAINAGE ROUTE SHALL BE REESTABLISHED TO ORIGINAL CONDITIONS BY THE END OF THE SAME WORK DAY. POSITIVE DRAINAGE MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

29. PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.

30. FINAL ADJUSTMENT OF FIRE HYDRANTS, VALVE VAULTS AND MANHOLES TO FINISHED GRADE ARE INCIDENTAL TO THEIR COST.

31. ANY EXISTING UTILITY STRUCTURES REQUIRING ADJUSTMENT ARE TO BE ADJUSTED OR RECONSTRUCTED BY THE CONTRACTOR TO THE UTILITY OWNER'S SATISFACTION. ADJUSTMENTS OR RECONSTRUCTIONS NOT CALLED FOR ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

32. ALL UTILITY CONNECTIONS TO EXISTING LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS AND TO THE SATISFACTION OF THE UTILITY OWNER.

33. PROVIDE TRENCH BACKFILL IN ACCORDANCE WITH THE DETAILS OF THE PLANS FOR ALL UTILITY LINES (OR AS OTHERWISE NOTED ON PLANS). BACKFILL SHALL BE PLACED AND COMPACTED PER THE MUNICIPALITY AND IDOT SPECIFICATIONS. COST OF BACKFILL IS TO BE CONSIDERED INCIDENTAL TO THE UTILITY WORK.

34. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

35. PRIOR TO DEMOBILIZATION, ALL WORK SHALL BE CLEANED AND INSPECTED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

36. THE GENERAL CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO PROVIDE CABLE TV, PHONE, ELECTRIC, GAS AND IRRIGATION SERVICES. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING SITE LAYOUTS FOR THESE UTILITIES AND SHALL COORDINATE AND PROVIDE CONDUIT CROSSINGS AS REQUIRED. THIS COORDINATION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. ANY CONFLICTS IN UTILITIES SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

37. BAND-SEAL CONNECTORS OR EQUIVALENT SHALL BE USED TO JOIN PIPES OF DISSIMILAR MATERIAL.

38. CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ALL CONSTRUCTION IN CONFORMANCE WITH ALL MUNICIPAL AND CLIENT REQUIREMENTS FOR USE IN PREPARING RECORD DRAWINGS.

39. THE SUBCONTRACTOR SHALL INSTALL A 2"x4"x6' POST ADJACENT TO THE TERMINUS OF UTILITY MAINS AND SERVICE LINES. POSTS SHALL BE MARKED IN ACCORDANCE WITH THE CITY STANDARDS.

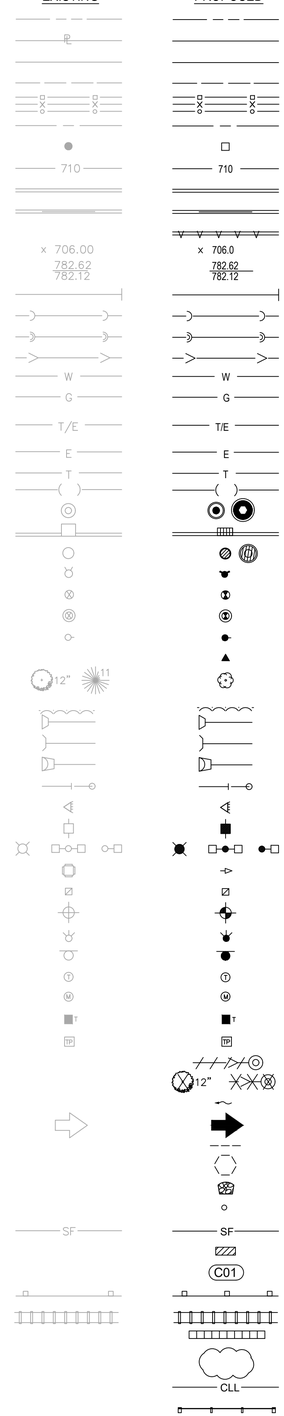
40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING ANY EXCAVATION. ANY DEWATERING REQUIRED SHALL BE INCIDENTAL TO THE CONTRACT.

41. COPIES OF SOILS INVESTIGATION REPORTS MAY BE OBTAINED FROM THE OWNER. ANY BRACING, SHEETING OR SPECIAL CONSTRUCTION METHODS REQUIRED IN ORDER TO INSTALL THE PROPOSED IMPROVEMENTS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT. ANY ADDITIONAL SOILS DATA NEEDED TO CONFIRM THE CONTRACTOR'S OPINIONS OF THE SUBSOIL CONDITIONS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL OBTAIN THE OWNER'S WRITTEN AUTHORIZATION TO ACCESS THE SITE TO CONDUCT A SUPPLEMENTAL SOILS INVESTIGATION.

42. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER OR EXTENDED TO OUTLET INTO A PROPOSED DRAINAGE WAY AS DETERMINED BY THE ENGINEER. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN ACCEPTABLE OPERATIONAL CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE FOR ON-SITE DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE SUBCONTRACTOR AND SUBMITTED TO THE ENGINEER UPON COMPLETION OF THE PROJECT. ALL FIELD TILE REPAIRS SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

43. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS/HER WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

LEGEND



ABBREVIATIONS

DESCRIPTION		
RIGHT-OF-WAY LINE	A	ARC LENGTH
PROPERTY LINE (EXTERIOR)	B-B	BACK TO BACK OF CURB
LOT LINE (INTERIOR)	B/C	BACK OF CURB
EASEMENT LINE	BLDG	BUILDING
FENCE LINE	BM	BENCHMARK
CENTERLINE	B/P	BOTTOM OF PIPE
PROPERTY CORNER	BV/VV	BUTTERFLY VALVE IN VALVE VAULT
CONTOUR	C & G	CURB AND GUTTER
CURB & GUTTER	CB	CATCH BASIN
DEPRESSED CURB & GUTTER	℄	CENTERLINE
REVERSE PITCHED CURB	CL	CLOSED LID
SPOT ELEVATION	CO	CLEAN OUT
TOP OF CURB ELEVATION EDGE OF PAVEMENT ELEVATION	DIP	DUCTILE IRON PIPE
UTILITY STUB	DIA	DIAMETER
SANITARY SEWER	DIWM	DUCTILE IRON WATER MAIN
SANITARY FORCE MAIN	DWG	DRAWING
STORM SEWER	E	EAST OR ELECTRIC OR EDGE
WATER MAIN	EJ	EXPANSION JOINT
GAS MAIN	ELEV	ELEVATION
UNDERGROUND TELEPHONE & ELECTRIC DUCT BANK	E/P	EDGE OF PAVEMENT
BURIED CABLE-ELECTRIC	EX.	EXISTING
BURIED CABLE-TELEPHONE	F & CL	FRAME & CLOSED LID
ATLAS LOCATED UTILITY	F & G	FRAME & GRATE
UTILITY STRUCTURE WITH CLOSED LID	F & OL	FRAME & OPEN LID
CURB INLET	FES	FLARED END SECTION
DRAINAGE STRUCTURE WITH OPEN LID	F-F	FACE TO FACE OF CURB
FIRE HYDRANT	FF	FINISHED FLOOR
VALVE IN VALVE BOX	F/G	FINISHED GRADE
GATE VALVE IN VALVE VAULT	FH	FIRE HYDRANT
POST INDICATOR VALVE	F/L	FLOW LINE
THRUST BLOCK	G	GAS LINE
TREE	GV/VB	GATE VALVE IN VALVE BOX
TREE LINE	GV/VV	GATE VALVE IN VALVE VAULT
CONCRETE HEADWALL	HDCP	HANDICAP
SUBMERGED HEADWALL	HDPE	HIGH DENSITY POLYETHYLENE PIPE
FLARED END SECTION	HDW	HEADWALL
GUY WIRES	HOR	HORIZONTAL
FLOOD LIGHT	HP	HIGH POINT
UTILITY POLE	HWL	HIGH WATER LEVEL
LIGHT STANDARD	IE	INVERT ELEVATION
TRAFFIC SIGNAL POLE	IN	INLET
HAND HOLE	LF	LINEAL FEET
SOIL BORING	LP	LOW POINT OR LIGHT POLE
IRRIGATION HEADS	L	LEFT
SIGN	ME	MATCH EXISTING
TELEPHONE MANHOLE	MH	MANHOLE
MONITORING WELL	MW	MONITORING WELL
TELEPHONE PEDESTAL	N	NORTH
TRANSFORMER PAD	NIC	NOT IN CONTRACT / NOT INCLUDED
UTILITY TO BE ABANDONED	NWL	NORMAL WATER LEVEL
FEATURE TO BE REMOVED	OC	ON CENTER
STORMWATER FLOW DIRECTION	OL	OPEN LID
STORMWATER OVERFLOW ROUTE	PC	POINT OF CURVATURE
DITCH CHECK	PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVE
INLET FILTER BASKET	PGL	PROFILE GRADE LINE
RIP RAP	PI	POINT OF INTERSECTION
BOLLARD	PL	PROPERTY LINE
SILT FENCE	PP	POWER POLE
WATER MAIN PROTECTION	PRC	POINT OF REVERSE CURVATURE
UTILITY CROSSING LABEL	PT	POINT OF TANGENCY
GUARDRAIL	PUE	PUBLIC UTILITY EASEMENT
RAILROAD TRACKS	PVC	POINT OF VERTICAL CURVATURE OR POLYVINYL CHLORIDE PIPE
RETAINING WALL	PVI	POINT OF VERTICAL INTERSECTION
REVISION DELINEATION	PVT	POINT OF VERTICAL TANGENCY
CONSTRUCTION LIMIT LINE	R	RADIUS OR RIGHT
TREE PROTECTION FENCE	RCP	REINFORCED CONCRETE PIPE
	ROW	RIGHT OF WAY
	S	SLOPE OR SOUTH
	SAN	SANITARY
	SF	SILTATION FENCE
	SFM	SANITARY FORCE MAIN
	SHT	SHEET
	SHW	SUBMERGED HEADWALL
	SMH	SANITARY MANHOLE
	STA	STATION
	ST	STORM STRUCTURE OR STORM SEWER
	STMH	STORM MANHOLE
	T	TANGENT LENGTH OR TELEPHONE
	T/C	TOP OF CURB
	T/P	TOP OF PIPE
	T/W	TOP OF WALL
	TY	TYPE
	TYP	TYPICAL
	UP	UTILITY POLE
	VC	VERTICAL CURVE
	VERT	VERTICAL
	VCP	VITRIFIED CLAY PIPE
	W	WEST
	WM	WATER MAIN

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

GENERAL NOTES, LEGEND, AND ABBREVIATIONS

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

C1.0

General Notes

The General Notes in this section should be included in all final engineering plans regardless of the type of project.

1	THE OWNER OR THEIR REPRESENTATIVE IS RESPONSIBLE TO OBTAIN ANY AND ALL PERMITS REQUIRED BY APPLICABLE GOVERNMENTAL AGENCIES.
2	ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF NAPERVILLE DESIGN MANUAL AND STANDARD SPECIFICATIONS (CURRENT EDITION) AND WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (CURRENT EDITION).
3	ALL CONTRACTORS DOING WORK IN THE PUBLIC RIGHT-OF-WAY MUST BE LICENSED (WHEN APPLICABLE) TO MAKE PUBLIC IMPROVEMENTS WITHIN THE NAPERVILLE CORPORATE LIMITS.
4	THE CONTRACTOR/DEVELOPER ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR ANY ACTION RESULTING FROM THEIR WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
5	THE CONTRACTOR/DEVELOPER SHALL INDEMNIFY AND HOLD HARMLESS THE CITY OF NAPERVILLE.
6	PRIOR TO COMMENCEMENT OF ANY OFF-SITE CONSTRUCTION, THE CONTRACTOR SHALL SECURE WRITTEN AUTHORIZATION THAT ALL OFF-SITE EASEMENTS HAVE BEEN SECURED AND THAT PERMISSION HAS BEEN GRANTED TO ENTER ONTO PRIVATE PROPERTY.
7	THE CONTRACTOR AND THEIR ON-SITE REPRESENTATIVES WILL BE REQUIRED TO ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY OF NAPERVILLE PRIOR TO ANY WORK BEING STARTED. A PRE-CONSTRUCTION MEETING WILL NOT BE SCHEDULED UNTIL THE PROJECT HAS BEEN APPROVED BY THE CITY OF NAPERVILLE DEVELOPMENT REVIEW TEAM AND THE REQUIRED SURETY HAS BEEN POSTED.
8	A MINIMUM OF 48 HOURS NOTICE SHALL BE GIVEN TO THE CITY OF NAPERVILLE TED BUSINESS GROUP (630-420-6100 OPTION 1) PRIOR TO STARTING WORK OR RESTARTING WORK AFTER SOME ABSENCE OF WORK FOR ANY REASON.
9	IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADEQUATELY IDENTIFY AND LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION. BEFORE STARTING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT JULIE FOR THE LOCATION OF ANY AND ALL UTILITIES. THE TOLL-FREE NUMBER IS 800-892-0123. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY PRIVATE FACILITIES OR NON-JULIE MEMBER FACILITIES.
10	THE CONTRACTOR CAN SCHEDULE ALL NECESSARY SITE INSPECTIONS WITH THE CITY OF NAPERVILLE BY CALLING (630) 420-6100 OPTION 1 BETWEEN THE HOURS OF 8:00AM AND 4:00PM (CLOSED 1:00PM TO 2:00PM DAILY) ON WEEKDAYS WHEN THE CITY IS OPEN FOR BUSINESS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE SITE PERMIT NUMBER FOR THE PROJECT IN ORDER TO SCHEDULE THE INSPECTION(S).
11	RECORD DRAWINGS ARE REQUIRED TO BE SUBMITTED AND APPROVED BY THE CITY OF NAPERVILLE PRIOR TO FINAL OCCUPANCY BEING GRANTED.
12	FINAL ACCEPTANCE OF PUBLIC IMPROVEMENTS SHALL BE GRANTED ONLY AFTER A FINAL INSPECTION HAS BEEN COMPLETED AND HAS REVEALED THAT ALL IMPROVEMENTS HAVE BEEN SATISFACTORILY COMPLETED IN ACCORDANCE WITH THE NAPERVILLE STANDARD SPECIFICATIONS. UTILITIES ARE NOT CONSIDERED ACCEPTED UNTIL THEY ARE FORMALLY ACCEPTED BY THE CITY COUNCIL AS REQUIRED IN ACCORDANCE WITH THE NAPERVILLE MUNICIPAL CODE.

General Notes (Project Specific)

1	TRAFFIC SIGNALS AND THEIR ASSOCIATED EQUIPMENT UNDER THE JURISDICTION OF DUPAGE COUNTY ARE NOT INCLUDED IN THE JULIE SYSTEM. THE CONTRACTOR SHALL CONTACT DUPAGE COUNTY DOT AND IDOT DIRECTLY REGARDING THE LOCATION OF TRAFFIC SIGNALS (CABLING AND ASSOCIATED SYSTEMS) UNDER DUPAGE COUNTY OR IDOT JURISDICTION.

Storm Sewer Notes (General)

1	NO CONNECTION TO AN EXISTING PUBLIC STORM SEWER MAY BE MADE WITHOUT PERMISSION OF THE CITY ENGINEER.
2	THE CONTRACTOR SHALL REPAIR ANY EXISTING FIELD DRAINAGE TILE DAMAGED DURING CONSTRUCTION AND PROPERLY REROUTE AND/OR CONNECT SAID TILE TO THE NEAREST STORM SEWER OUTLET. ALL LOCATIONS OF ENCOUNTERED FIELD DRAINAGE TILE SHALL BE PROPERLY INDICATED ON THE CONTRACTOR'S RECORD DRAWINGS.

Storm Sewer Notes (Storm Sewer Work in Plans

1	THE FOLLOWING MATERIALS ARE PERMITTED FOR STORM SEWER AND PIPE CULVERTS. WHERE A PARTICULAR MATERIAL IS SPECIFIED IN THE PLANS OR SPECIAL PROVISIONS, NO OTHER KIND OF MATERIAL WILL BE PERMITTED:
1a	REINFORCED CONCRETE PIPE (RCP) - REINFORCED CONCRETE PIPE SHALL CONFORM TO ASTM DESIGNATION C 76, CLASSES I, II, III, IV OR V. BITUMINOUS JOINTS SHALL CONFORM TO ASTM DESIGNATIONS C 14 OR C 76 AS MAY BE APPLICABLE. BITUMINOUS MATERIAL SHALL CONSIST OF A HOMOGENEOUS BLEND OF BITUMEN, INERT FILLER, AND SUITABLE SOLVENT APPROVED BY THE CITY ENGINEER. RUBBER GASKET JOINTS SHALL CONFORM TO ASTM C 433. REINFORCED CONCRETE PIPE SHALL ALSO BE PERMITTED AS ROUND, ELLIPTICAL, OR BOX SHAPED OR AS REINFORCED CONCRETE ARCH CULVERT.

1c	DUCTILE IRON PIPE (DIP) - DUCTILE IRON PIPE SHALL CONFORM TO ANSI A 21.51 (AWWA C-151), CLASS THICKNESS DESIGNED PER ANSI A 21.50 (AWWA C-150), TAR (SEAL) COATED AND CEMENT LINED PER ANSI A 21.4 (AWWA C-104), WITH MECHANICAL OR RUBBER RING (SLIP SEAL OR PUSH ON) JOINTS. ALL DUCTILE IRON PIPE SHALL BE WRAPPED WITH POLYETHYLENE.
1d	POLYVINYL CHLORIDE PIPE (PVC) - POLYVINYL CHLORIDE (PVC) PIPE SHALL CONFORM TO ASTM D 3034, TYPE PSM. THE MINIMUM STANDARD DIMENSION RATIO (SDR) SHALL BE 26. THE PIPE SHALL BE MADE OF PVC PLASTIC HAVING A MINIMUM CELL CLASSIFICATION OF 12454-C AND SHALL HAVE A MINIMUM PIPE STIFFNESS OF FORTY-SIX (46) LBS. PER INCH (317 KPA). JOINTS FOR PVC PIPE SHALL BE FLEXIBLE ELASTOMETRIC SEALS PER ASTM D3212.
1e	HIGH DENSITY POLYETHELYNE PIPE (HDPE) - HIGH-DENSITY POLYETHYLENE (HDPE) PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 252 AND M 294. PIPE AND FITTINGS SHALL BE MADE FROM VIRGIN PE COMPOUNDS WHICH CONFORM TO THE REQUIREMENTS OF CELL CLASS 324420C AS DEFINED AND DESCRIBED IN ASTM D3350. RUBBER GASKET JOINTS SHALL BE USED.

2	BEDDING, OTHER THAN CONCRETE EMBEDMENT, SHALL CONSIST OF GRAVEL, CRUSHED GRAVEL, OR CRUSHED STONE 1/4 INCH TO 1 INCH IN SIZE. AS A MINIMUM, THE MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS. THE GRADATION SHALL CONFORM TO GRADATION CA-7 OR CA-11 OF THE STANDARD SPECIFICATIONS.
3	BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS. THE GRADATION SHALL CONFORM TO GRADATION CA-6 OF THE STANDARD SPECIFICATIONS. BACKFILL MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
4	JOINTS CONNECTING DISSIMILAR PIPE MATERIALS SHALL BE MADE WITH SEWER CLAMP NON-SHEAR TYPE COUPLINGS; CASCADE CSS, ROMAC LSS, FERNCO, INC. SHEAR RING, OR APPROVED EQUAL. WHEN AVAILABLE, A STANDARD JOINT WITH A TRANSITION GASKET MAY BE USED. THE NAME OF THE MANUFACTURER, CLASS, AND DATE OF ISSUE SHALL BE CLEARLY IDENTIFIED ON ALL SECTIONS OF PIPE. THE CONTRACTOR SHALL ALSO SUBMIT BILLS OF LADING, OR OTHER QUALITY ASSURANCE DOCUMENTATION WHEN REQUESTED BY THE CITY ENGINEER. ALL NUTS AND BOLTS FOR COUPLINGS SHALL BE STAINLESS STEEL.
5	MANHOLES FOR STORM SEWERS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES AND SHALL BE CONSTRUCTED OF PRECAST CONCRETE UNITS IN ACCORDANCE WITH ASTM C478-05 (OR LATEST EDITION) AND SHALL CONFORM TO THE CITY OF NAPERVILLE STANDARD DETAIL. ALL MANHOLES SHALL BE WATER-TIGHT. ALL VISIBLE LEAKS SHALL BE SEALED IN A MANNER ACCEPTABLE TO THE CITY ENGINEER.
6	MANHOLES SHALL BE FURNISHED WITH A SELF-SEALING FRAME AND SOLID COVER (EAST JORDAN IRON WORKS 1022 WITH TYPE A SOLID COVER, OR APPROVED EQUAL) WITH THE WORD "STORM" IMPRINTED ON THE COVER IN RAISED LETTERS. ALL FRAMES AND LIDS SHALL MEET OR EXCEED AASHTO H-20 LOADING SPECIFICATIONS. FRAMES SHALL BE SHOP PAINTED WITH ASPHALTIC BASE PAINT. BOTH THE MANHOLE FRAME AND COVER SHALL HAVE MACHINED HORIZONTAL AND VERTICAL BEARING SURFACES. INVERTED MANHOLE FRAMES ARE NOT ALLOWED. PICK HOLES SHALL NOT CREATE OPENINGS IN THE MANHOLE COVER.

7	MANHOLE STEPS ON MAXIMUM 16 INCH CENTER SHALL BE FURNISHED WITH EACH MANHOLE, SECURELY ANCHORED IN PLACE, TRUE TO VERTICAL ALIGNMENT, IN ACCORDANCE WITH THE NAPERVILLE STANDARD DETAILS. STEPS SHALL BE COPOLYMER POLYPROPYLENE REINFORCED WITH 1/2 INCH A615/A615M-05A (OR LATEST EDITION) GRADE 60 STEEL REINFORCEMENT, MEETING OR EXCEEDING ASTM C 478-05 (OR LATEST EDITION) AND OSHA STANDARDS.
8	CATCH BASINS AND INLETS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 24 INCHES AND SHALL BE CONSTRUCTED OF PRECAST CONCRETE UNITS IN ACCORDANCE WITH ASTM C478-05 (OR LATEST EDITION) AND SHALL CONFORM TO THE CITY OF NAPERVILLE STANDARD DETAIL. ALL CATCH BASINS AND INLETS SHALL BE WATER-TIGHT AT ALL POINTS BELOW GRADE. ALL VISIBLE LEAKS SHALL BE SEALED IN A MANNER ACCEPTABLE TO THE CITY ENGINEER. CATCH BASINS AND INLETS SHALL BE FURNISHED WITH A FRAME AND GRATE BASED UPON THE LOCATION OF THE INSTALLATION AS LISTED BELOW. ALL FRAMES AND GRATES SHALL MEET OR EXCEED AASHTO H-20 LOADING SPECIFICATIONS. FRAMES SHALL BE SHOP PAINTED WITH ASPHALTIC BASE PAINT. A) PAVEMENT: EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE M1 RADIAL FLAT GRATE, NEENAH R-2502, OR APPROVED EQUAL FOR OPEN GRATES. EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE A SOLID COVER, NEENAH R-1772, OR APPROVED EQUAL FOR CLOSE LIDS. B) BARRIER CURB AND GUTTER: EAST JORDAN IRON WORKS 7220 FRAME WITH TYPE M1 GRATE AND T1 CURB BOX, NEENAH R-3278-A, OR APPROVED EQUAL. C) DEPRESSED CURB: EAST JORDAN IRON WORKS 5120 FRAME AND GRATE, NEENAH R-3225-L, OR APPROVED EQUAL. D) MOUNTABLE CURB: EAST JORDAN IRON WORKS 7525 FRAME AND GRATE, NEENAH R-3501-P, OR APPROVED EQUAL. E) NON-PAVED AREAS: EAST JORDAN IRON WORKS 6527 BEEHIVE GRATE, NEENAH R-4340-B, OR APPROVED EQUAL. ALTERNATELY, IN AREAS WHERE THERE IS THE LIKELIHOOD OF PEDESTRIAN TRAFFIC, EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE M1 RADIAL FLAT GRATE, OR APPROVED EQUAL MAY BE USED.

10	ALL PIPE SHALL BE LAID TRUE TO LINE AND GRADE. DIRT AND OTHER FOREIGN MATERIAL SHALL BE PREVENTED FROM ENTERING THE PIPE OR PIPE JOINT DURING HANDLING OR LAYING OPERATIONS. ALL STORM SEWER PIPE TO PIPE CONNECTIONS SHALL BE SEALED WITH BUTYL MASTIC TO ENSURE WATER TIGHTNESS. LIFT HOLES TO BE SEALED USING BUTYL MASTIC AND CONCRETE PLUGS. AT NO TIME SHALL CONNECTIONS BETWEEN THE STORM SEWER AND SANITARY SEWER BE ALLOWED.
11	FOR STRUCTURES LOCATED IN PAVED AREAS, A MINIMUM OF FOUR, 2-INCH DIAMETER HOLES SHALL BE DRILLED OR PRECAST INTO THE STRUCTURE WITHIN 1 FOOT OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE. A 1-FOOT BY 1-FOOT SECTION OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE SUFFICIENTLY FIXED TO THE OUTSIDE OF THE MANHOLE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.
12	ALL STORM SEWER STRUCTURE FRAMES WITHOUT INSIDE FLANGES SHALL BE SHAPED WITH NON-SHRINKING HYDRAULIC CEMENT TO FORM A FILLET TO THE STRUCTURE OR ADJUSTING RING. WHEN ADJUSTMENTS ARE NECESSARY, NO MORE THAN 12 INCHES OF VERTICAL ADJUSTMENT MAY BE MADE USING THE MINIMUM PRACTICAL NUMBER OF INDIVIDUAL RINGS. ALL RINGS SHALL BE HIGH DENSITY POLYETHYLENE PLASTIC (HDPE), RECYCLED RUBBER, HIGH DENSITY EXPANDING POLYSTYRENE, EXPANDED POLYPROPYLENE (EPP), OR OTHER MATERIAL AS APPROVED BY THE CITY ENGINEER. PRECAST CONCRETE RINGS, BRICKS, ROCKS, SHIMS, OR CONCRETE BLOCKS WILL NOT BE ALLOWED. TAPERED ADJUSTING RINGS SHALL BE REQUIRED WHEN THE FRAME WILL NEED TO MATCH THE SLOPE OF THE ROADWAY. A RESILIENT, FLEXIBLE, NON-HARDENING, PREFORMED BITUMINOUS MASTIC MATERIAL, CONSEAL 102 B OR APPROVED EQUAL, SHALL BE USED BETWEEN THE CONE OR TOP BARREL SECTION OF THE STRUCTURE AND THE ADJUSTING RINGS. A THICK BEAD OF NON-HARDENING ELASTOMERIC JOINT SEALANT CONFORMING TO ASTM C-920, TYPE S, GRADE NS, SHALL BE APPLIED BETWEEN ALL INDIVIDUAL RINGS, AND BETWEEN THE ADJUSTING RINGS AND THE FRAME. THE SEALANT OR MASTIC MATERIAL SHALL BE APPLIED IN SUCH A MANNER THAT NO SURFACE WATER OR GROUND WATER INFLOW CAN ENTER THE STRUCTURE.

Erosion Control and Drainage Notes (General)

The Erosion Control and Drainage Notes in this section should be included in all final engineering plans regardless of the type of work in the project.

1	THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION AND PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.
2	DURING EXTENDED DRY PERIODS, THE CONSTRUCTION AREA(S) MAY NEED TO BE WATERED DOWN TO PREVENT THE BLOWING OF SOIL FROM THE SITE.
3	DURING CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE UTILIZED TO MINIMIZE THE TRACKING OF DIRT ONTO THE PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO KEEP PUBLIC STREET PAVEMENT CLEAN OF DIRT AND DEBRIS. ANY DIRT THAT IS TRACKED ONTO THE PUBLIC STREETS SHALL BE REMOVED THE SAME DAY. IF THE AMOUNT TRACKED ON THE PUBLIC STREET IS EXCESSIVE, CLEANING MAY BE REQUIRED MORE FREQUENTLY.

Erosion Control and Drainage Notes (Project Specific)

The Erosion Control and Drainage Notes in this section are intended to be included when a project includes erosion control work as part of the project. The Consultant should review the following Notes to determine if they are applicable to the work being completed.

1	ALL EROSION CONTROL MEASURES SHALL BE PROPERLY INSTALLED, AS PERMITTED, PRIOR TO ANY LAND DISTURBANCE ACTIVITIES. ALL EROSION CONTROL SHALL BE MAINTAINED UNTIL TURF IS ESTABLISHED.
2	ACCEPTABLE PERIMETER EROSION CONTROL INCLUDES SILT FENCE, SILT WORM AND ANY OTHER APPLICATION APPROVED BY THE CITY ENGINEER.
3	ALL OPEN GRATE STRUCTURES SHALL HAVE EROSION CONTROL PROTECTION IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLANS. STRAW BALES SHALL NOT BE USED.
4	STOCKPILES NOT BEING DISTURBED FOR MORE THAN 14 DAYS SHALL BE SEEDED.
5	ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY, AFTER ANY 0.5 INCH OR GREATER RAINFALL, OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN THEIR FUNCTION.

Erosion Control and Drainage Notes (NPDES Permit)

The Erosion Control and Drainage Note in this section should be included if the project requires an NPDES permit.

1	IT IS THE RESPONSIBILITY OF THE OWNER OR HIS DESIGNEE TO INSPECT ALL TEMPORARY EROSION CONTROL MEASURES PER THE REQUIREMENTS OF THE NPDES PERMIT AND CORRECT ANY DEFICIENCIES AS NEEDED.

Geometric and Paving Notes (General)

The Geometric and Paving Notes in this section should be included in all final engineering plans regardless of the type of work in the project.

1	THE DEVELOPER AND CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO ADEQUATELY PROTECT THE PAVEMENT AND PROPERTY, CURB AND GUTTER AND OTHER RIGHT-OF-WAY IMPROVEMENTS, WHETHER NEWLY CONSTRUCTED OR EXISTING, FROM ANY AND ALL DAMAGE. SUFFICIENT MEANS SHALL BE EMPLOYED BY THE CONTRACTOR TO PROTECT AGAINST SUCH DAMAGE TO THE SATISFACTION OF THE CITY ENGINEER.
2	ANY NEW OR EXISTING IMPROVEMENTS THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED IN A MANNER THAT IS SATISFACTORY TO THE CITY ENGINEER.
3	THE CONTRACTOR AND/OR DEVELOPER SHALL SECURE ALL NECESSARY RIGHTS AND PERMISSIONS TO PERFORM ANY WORK ON PRIVATE PROPERTY NOT WITHIN THE OWNERSHIP RIGHTS OF THE DEVELOPER. THE DEVELOPER SHALL BEAR THE SOLE RESPONSIBILITY FOR DAMAGES THAT MAY OCCUR AS A RESULT OF WORK PERFORMED UNDER CONTRACTS THEY INITIATE.
4	THE CONTRACTOR/DEVELOPER WILL BE RESPONSIBLE FOR BRINGING PAVEMENTS (STREET, CURB AND GUTTER, SIDEWALK, DRIVEWAY) ON THE PROPERTY UP TO CITY STANDARDS INCLUDING ANY REPAIRS TO SUBSTANDARD PAVEMENTS THAT EXISTED PRIOR TO OR OCCURRED DURING CONSTRUCTION.
5	WHEREVER NEW WORK WILL MEET EXISTING CONDITIONS OTHER THAN LAWN AREAS, REGARDLESS OF WHETHER THE NEW OR EXISTING WORK IS ASPHALT OR CONCRETE, THE EXISTING ADJACENT SIDEWALK, DRIVEWAYS, PAVEMENT OR CURB SHALL BE NEATLY SAWCUT. THE SAWCUT SHALL BE IN A NEAT STRAIGHT LINE SUFFICIENTLY DEEP SO THAT IT RENDERS A SMOOTH VERTICAL FACE TO MATCH TO. IF THE CONTRACTOR IS NOT CAREFUL OR DOES NOT SAW DEEP ENOUGH AND THE CUT LINE BREAKS OUT OR CHIPS TO AN IMPERFECT EDGE, THEN THE EXISTING SIDE MUST BE RE-CUT SQUARE AND DONE OVER UNTIL IT IS CORRECT.
6	ALL PAVEMENT PATCHES WITHIN THE PUBLIC RIGHT-OF-WAY MUST CONFORM TO CITY STANDARDS. REFERENCE NAPERVILLE STANDARD DETAILS 590.12 AND 590.13.

Traffic Control and Protection Notes (General)

The Traffic Control and Protection Notes in this section should be included in all final engineering plans regardless of the type of work in the project.

1	ALL DEVELOPERS AND CONTRACTORS SHALL PROVIDE SUITABLE TRAFFIC CONTROL FOR THEIR CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. TRAFFIC CONTROL MUST BE PROVIDED FOR ANY ACTIVITY THAT IMPACTS TRAFFIC FLOW. THIS INCLUDES, BUT IS NOT LIMITED TO, ROAD CLOSURES REQUIRING DETOURS, DAILY LANE CLOSURES, LONG TERM LANE CLOSURES, NARROW LANES, AND CONSTRUCTION VEHICLES ENTERING AND EXITING THE PUBLIC ROADWAY. ALL TRAFFIC CONTROL SET-UPS MAY BE INSPECTED BY THE CITY OF NAPERVILLE TO ENSURE THAT THEY ARE PROVIDING POSITIVE GUIDANCE TO MOTORISTS AND ARE NOT IN THEMSELVES PRESENTING A HAZARDOUS SITUATION. A REPRESENTATIVE OF THE DEVELOPER OR CONTRACTOR MUST PROVIDE PHONE NUMBERS AT WHICH THEY CAN BE REACHED 24 HOURS A DAY AND ON WEEKENDS SO THAT THEY CAN MAINTAIN TRAFFIC CONTROL DEVICES.
2	PEDESTRIANS MUST BE PROVIDED WITH A SAFE ALTERNATE ROUTE IF PEDESTRIAN FACILITIES ARE TO BE CLOSED AS A RESULT OF CONSTRUCTION ACTIVITIES. GUIDANCE MUST BE PROVIDED TO PEDESTRIANS SO THAT THEY MAY AVOID THE WORK ZONE. SAID PEDESTRIAN DETOUR PLAN (WITH SIGNAGE) IS TO BE REVIEWED AND ACCEPTED BY THE CITY IN WRITING, PRIOR TO THE COMMENCEMENT OF THE WORK.
3	THE CONTRACTOR SHALL EMPLOY THE APPROPRIATE METHODS OF TRAFFIC CONTROL IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SUCH THAT THE SAFETY OF VEHICLES, AND PEDESTRIANS IS PRESERVED AT ALL TIMES. THE ERECTION AND MAINTENANCE OF THE TRAFFIC CONTROL DEVICES SHALL BE TO THE SATISFACTION OF THE AGENCY OF JURISDICTION AND THE CITY ENGINEER.
4	ANY TEMPORARY OPEN HOLES SHOULD BE BARRICADED AND PROTECTED IN ACCORDANCE WITH APPLICABLE STANDARDS.

Traffic Control and Protection Notes (Arterial Roads)

The Traffic Control and Protection Notes in this section should be included in all final engineering plans if the project involves work either in or adjacent to arterial roadways.

1	LANE CLOSURES ON ARTERIAL ROADWAYS WITHIN THE CITY OF NAPERVILLE ARE NOT PERMITTED BETWEEN THE HOURS OF 6AM-9AM AND 3PM-7PM MONDAY THROUGH FRIDAY, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. LANE CLOSURES ON ARTERIAL STREETS ARE NOT PERMITTED BETWEEN 7AM AND 7PM ON WEEKENDS, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. ARTERIAL ROADWAYS ARE DEFINED AS BOTH MAJOR AND MINOR ARTERIAL ROADWAYS AS DESIGNATED ON THE CITY'S MASTER THOROUGHFARE PLAN, LATEST EDITION.
2	ANY WORK THAT IMPACTS A TRAFFIC LANE ON AN ARTERIAL ROADWAY REQUIRES AN ARROW BOARD AS PART OF THE TRAFFIC CONTROL.
3	AT THE END OF EACH DAY OF WORK, THE ROADWAY MUST BE COMPLETELY REOPENED TO TRAFFIC. ANY OPEN HOLES MUST BE PLATED OR COLD PATCHED; THE CITY WILL NOT ALLOW THE HOLES TO BE FILLED WITH GRAVEL.

DEPARTMENT OF PUBLIC UTILITIES - ELECTRIC GENERAL NOTES

1. The developer SHALL supply the DPU-E engineer with catalog cuts for all CT/meter equipment (including but not limited to meter sockets, PT cabinet, CT cabinet, disconnect cabinet) and transformer pad/vault. The catalog cuts SHALL be approved by DPU- E prior to purchasing.

   The CT/meter cabinet SHALL be top fed.

   CT/meter equipment are long lead time items and DPU-E shall not be held responsible for delays resulting from non-compliant CT/meter equipment.

   Please provide name and contact information for Electrical Contractor for this project.
2. DPUE will provide, install, and maintain the transformers, all primary(15kV) cable and conduit, and the meters and instrument transformers. DPUE will also make the final connections in the transformers once the inspection is complete and the building is ready to be energized.

   The developer is responsible for providing, installing, and maintaining the transformer pad/vault, all service lateral (480V) cable and conduit, the service entrance equipment including the CT/meter cabinet and banked meter sockets.
3. The developer SHALL coordinate site construction with DPU-E to allow electric facilities to be installed prior paving and curbing. DPU-E requires 30 working days advance written notice prior to pavement installation to allow for the installation of electric facilities. Grade elevation must be within 4" of final grading before electric facilities can be installed.
4. Electric facilities SHALL be installed pursuant to Section 8-1C-3 of the City of Naperville Municipal Code, which requires a construction fee payment for installation of electric facilities.
5. At all times, the Customer shall be solely responsible for maintaining suitable approach to the meter location, with no obstructions within four (4') feet of the front and two (2') feet of the sides of NAPERVILLE SERVICE RULES AND POLICIES 22.2.F.
6. DPU-E requires a minimum 5' of separation between the electric facilities and any fire hydrants, storm drains, storm sewer, water main, gas main etc. that run parallel to its facilities.
7. To have an existing service disconnected call the City Dispatch office 630-420-6187. Please allow at least 24 hours' notice. Meters and meter seals are to be removed only by DPU-E personnel. The location and type of new or replacement meter related equipment must be pre-approved in writing by DPU-E. An electric service must be inspected by the Development Services Team electrical inspector prior to connection.
8. Label all meter sockets with the complete address in 1" letters using permanent stickers. In multiple meter banks the complete address may be on the disconnect switch and the suite numbers on the meter sockets. The electrical service equipment will not pass inspection with appropriate address labeling.
9. Approval of metering equipment by DPU-E does not remove your responsibility to comply with the latest version of the National Electrical Code as adopted by the City of Naperville. Determination of compliance with the National Electrical Code will be made by Transportation Engineering and Development department.
10. A customer's grounding conductor shall not be distribution equipment.
11. Due to supply chain issues DPU-E is experiencing long lead times (+900 days) on transformers. Please take this into consideration when planning construction.
12. DPU-E will install and energize all meters in multiple meter banks at one time, provided all meter sockets pass inspection. In the event of an incomplete installation, only the inspected and approved equipment shall be energized and a meter installed. Individual tenants permit will be required for installation of the other meters in the meter bank.
13. The Transformer must be shown on the site plan and should be located between 8' and 50' from commercial buildings. Meters, instrumental transformers, and main disconnect shall be located within 50' of the transformer, and main disconnect shall be located with 50' of the transformer and shall be installed on the exterior of the building. If the transformer will be located at the distance greater than 50', then metering cabinet and main disconnect must be free standing and located between 10' and 15' of the transformer. The instrument transformers and main disconnect may be installed inside the building if the service entrance capacity is 1200 amps or greater. Meters shall be installed on the building exterior.
14. The developer is responsible for the construction and installation of a transformer pad and vault. The DPU-E engineer must be informed prior to the installation of the and vault. A main disconnect or circuit breaker is required for DPU-E access in case of a need for service or in an emergency. DPU-E shall make the final connections of the customer's service to the transformer terminals. A minimum of eight feet of additional conductor length must be left on the customer's service cables.
15. The transformer is located near vehicular traffic. Developer is responsible for providing and installing 8" bollards per DPU-E specification C10-2222.
16. Additional easement is required. ALL DPU-E owned primary/ secondary cable and equipment (transformer, switches, etc.…) must be installed inside of public utility easement.

WATER UTILITES GENERAL NOTES

a. New water main valves, including pressure tap valves, adjacent to an existing water main, and existing water main valves shall only be operated by the City of Naperville, Department of Public Utilities CEE/CM Division personnel with 48-hour notice (Monday-Friday). Contact Naperville TED Business Group at 630-420-6082 for scheduling.
b. Any existing utility structures requiring adjustment or reconstruction shall be completed by the contractor to the satisfaction of the utility owner. Adjustments and/or reconstructions not called for on the plans shall be considered incidental to the contract. No more than a total of 12 inches of adjusting rings and/or 2 adjusting rings shall be allowed. All structure frames shall be flush with final grade.
c. Trees shall be installed a minimum of five (5) feet horizontally from underground electrical feeders, sanitary sewers, sanitary services, water mains, and water services. Trees shall be installed a minimum of ten (10) feet horizontally from utility structures and appurtenances, including, but not limited to, manholes, valve vaults, valve boxes and fire hydrants. No trees, shrubs or obstacles will be allowed 10' in front of, 5' on the sides, and 7' to the rear of the electrical transformer.
d. All retainer glands when required to restrain valves, fittings, hydrants, and pipe joints shall be mechanical joint wedge action type MEGALUG 1100 Series as manufactured by EBBA Iron, Inc. or UNI-FLANGE BLOCKBUSTER 1400 SERIES as manufactured by Ford Meter Box Co. and shall be for use on ductile iron pipe conforming to ANSI/AWWA C151/A21.51, for nominal pipe sizes 3" through 48".
e. Existing ductile iron systems for restraining push-on pipe bells shall be MEGALUG SERIES 1100HD or FORD SERIES 1390.
f. Existing ductile iron systems requiring restraint shall be MEGALUG SERIES 1100SD (split MEGALUG) for mechanical joints.
g. Ductile iron water main to be Class 52. All ductile iron pipe is to be encased in polyethylene film Polyethylene encasement to be installed in accordance with ANSI/AWWA C105/A21.5-05.
h. A set of as-built record drawing shall be given to the City of Naperville upon completion of improvements showing the elevation and location (tied to two points) of all new and existing structures including fire hydrants, valve boxes and vaults, linestop sleeves, water service corporation stops, water main fittings/bends, manholes, sanitary service wyes (measured from downstream manhole), and abandoned water or sanitary service lines. All elevations should be referenced to the same benchmark datum as the original design plans. Horizontal ties shall be referenced to lot lines, back of curb, or property corners.
i. All sanitary sewer piping shall be PVC pipe meeting the requirements of ASTM D-2241 with joints conforming to ASTM D-3139. All sanitary sewer fittings shall be PVC meeting the following requirements: 4" to 12" shall be Injection Molded Fittings meeting ASTM D-2241. Greater than 12" shall be Fabricated. Fittings meeting ASTM D-2241 or C905. Minimum pressure rating shall be 150 psi.
j. The valves less than 16" shall be standard pattern, gate valves and shall have the name or mark of the manufacturer, size and working pressure plainly cast in raised letters on the valve body. Valves may be approved from one of the following manufacturers: American, Clow, Waterous or Kennedy.
k. Stainless steel nuts, bolts/T-bolts, and washers, Type 304 or better, will be required on all water main installations. This would apply to hydrants, tapping sleeves, valves, fittings, restraint, and other appurtenances buried or in valve vaults. Mechanical joints and restraint glands require 304 stainless steel T-bolts. An anti-seize compound shall be factory applied to nuts or bolts - any damage to this coating shall be repair with field applied approved anti-seize compound that is a molybdenum-base lubricant, Bostik Never-Seez or approved equal.
l. The contractor shall rotate and/or adjust any existing and/or new hydrant to the satisfaction of the Department of Public Utilities.
m. Water mains shall be subjected to a hydrostatic/leakage test in accordance with Naperville Standard Specifications. Test pressure shall be no less than 150 psi for a period of 4 hours and not vary by more than ± 5 psi. during the test. The test gauge shall be approved by the City and shall be glycerin or oil filled, with a range of not more than 200 psi and increments not greater than 5 psi, 4 " minimum dial size. Water recovery test shall be completed at the end of the testing period to show actual leaking and that the water main did not have too much trapped air in the tested section.
n. The City of Naperville Public Utilities does not guarantee that any valve or fitting in the existing water distribution system will hold against a hydrostatic/leakage test. The Contractor is solely responsible for providing and acceptable pressure test which shall include provisions around existing valves and fittings.
o. Fire hydrant should be bagged "NOT IN SERVICE" until all testing and disinfection has been completed and new water main section is service.
p. Sanitary sewer and water shall be constructed, tested, and placed into service in accordance with City of Naperville Standard Specification and Specifications for Water and Sewer Main Construction in Illinois, Latest Edition.
q. All valve boxes, vaults, hydrants, and manholes shall not be covered with construction debris and shall remain accessible to the respective utility company.
r. Water service line smaller than 3" shall be type K copper. If joints are required due to length of service, then only compression type coupling shall be permitted. No soldered or flared type joints are allowed.
s. All sanitary manholes shall be tested for leakage by vacuum testing. The manhole frame and adjusting rings shall be in place when testing. Any leaks shall be repaired from exterior of manhole - patching inside of manhole shall not be acceptable. A vacuum of 10" (254 mm) Hg shall be place on the manhole and the time shall be measured for the vacuum to drop to 9" (229 mm) Hg. The vacuum shall not drop below 9" (229 mm) Hg for the following time periods for each size of manhole:
   a) 48-inch diameter - 60 seconds
   b) 60-inch diameter - 75 seconds
   c) 72-inch diameter - 90 seconds
   d) 84-inch diameter - 105 seconds

Any manholes that fail the test shall be sealed and re-tested until acceptable.

a. The contractor shall provide internal televised inspection of all installed sanitary sewer, laterals, manholes and connections to the public system. Following completion of televising work, the contractor shall submit video recordings on DVD or flash drive along with a comprehensive televising report which will indicate the location, footages and nature of any defects. Prior to final acceptance, these defects shall be repaired to the satisfaction of the Water/Wastewater Utility and re-televised.
b. Contractor work hours are only allowed from 7:00 a.m. to 5:00 p.m., Monday through Saturday. No work shall be permitted on Sundays.
c. Sanitary pipes with less than 4 feet or more than 25 feet of cover shall be constructed of ductile iron piping (Class 50, minimum) and encased in polywrap.
d. All excavations more than 20 feet deep must be protected by a system designed by a registered professional engineer.
e. Contractor shall maintain 2' minimum clearance between existing utilities and new foundations and underground facilities. In areas where foundations and underground facilities are proposed adjacent to existing utilities, the contractor shall pot hole by vacuum excavation or hand excavation to locate the existing utility to verify minimum clearance requirement.
f. Fences shall be installed a minimum of 5 feet from any water or sanitary mains when running parallel with them. Where fences are installed crossing water or sanitary mains, the posts shall be located to have the main between them.
g. All brass components shall be certified to be lead free in compliance with NSF 61 and NSF 372 and identified with applicable markings.
h. **Sanitary Force Main** - Force man shall be tested a minimum of 1 hour at 1.5 the shut off head of the pump, 2.5 times the operating pressure, or 20 psi whichever is greatest. Allowable leakage shall be in accordance with section 41-2.14C of the standard specifications for water and sewer construction.

REVISIONS

NO.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: JULY 28, 2025

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

NAPERVILLE SPECIFICATIONS

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C1.1

GRAPHIC SCALE
60 30 0 60
1" = 60'

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EXISTING CONDITIONS PLAN

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

DRAWING NO. C2.0

PROJECT NO.:	241072
PROJECT MANAGER:	DF
DESIGNED BY:	NB
DRAWN BY:	RI

ORIGINAL ISSUE DATE: JULY 28, 2025

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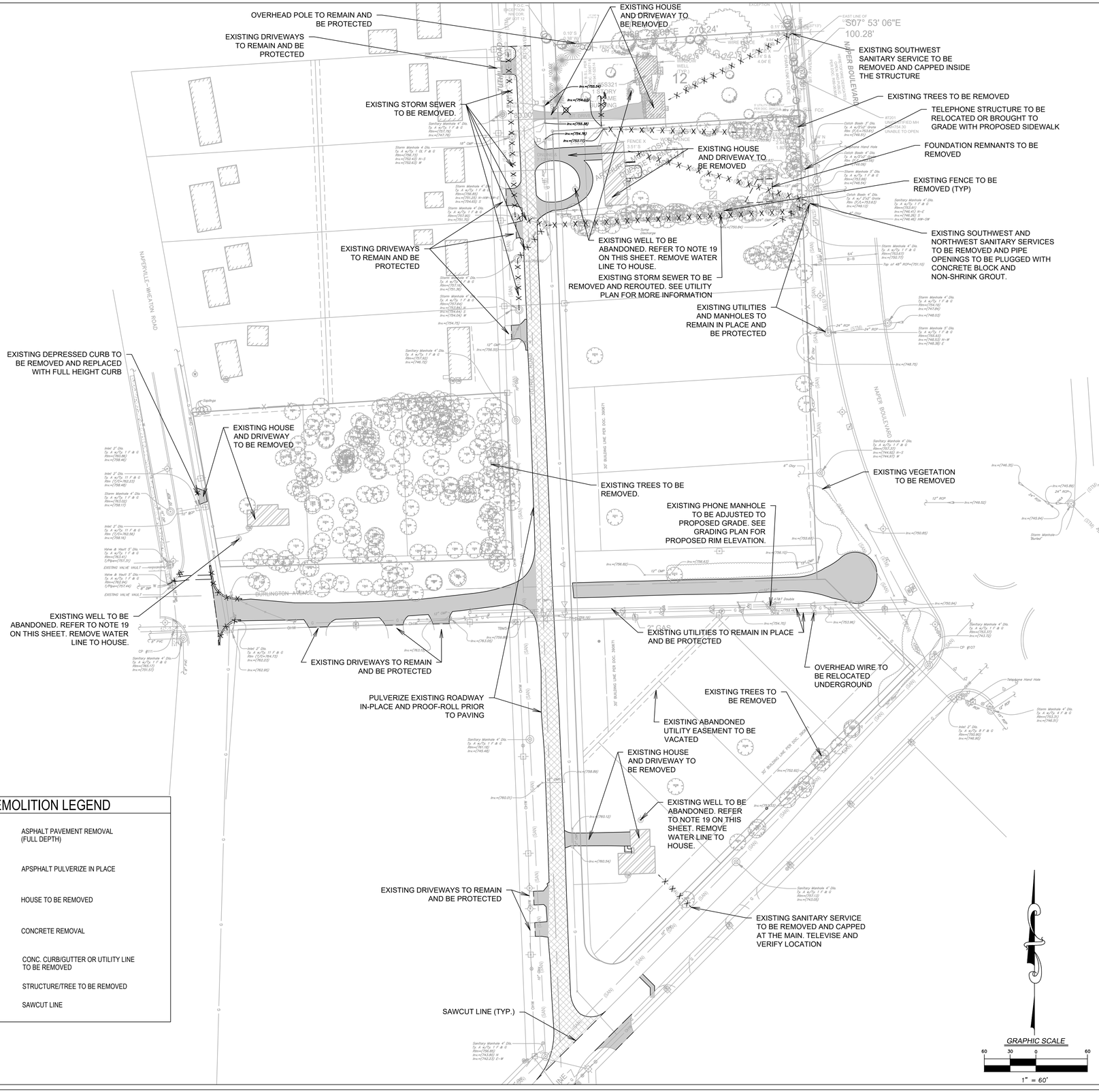

DEMOLITION LEGEND

- ASPHALT PAVEMENT REMOVAL (FULL DEPTH)
- APSPHALT PULVERIZE IN PLACE
- HOUSE TO BE REMOVED
- CONCRETE REMOVAL
- CONC. CURB/GUTTER OR UTILITY LINE TO BE REMOVED
- STRUCTURE/TREE TO BE REMOVED
- SAWCUT LINE

DEMOLITION PLAN

1. THE EXTENT OF DEMOLITION WORK IS AS GENERALLY SHOWN ON THE CONSTRUCTION DOCUMENTS. SPECIFIC DEMOLITION PROCESSES OR PROCEDURES FOR DEMOLITION AND STRUCTURAL CONSIDERATIONS ARE THE RESPONSIBILITY OF OTHERS. DEMOLITION INCLUDES, BUT IS NOT LIMITED TO, REMOVAL AND DISPOSAL OFFSITE OF THE FOLLOWING ITEMS:
   - SIDEWALK AND ON-SITE PAVEMENT
   - BUILDINGS, FOUNDATIONS, AND SUPPORTING WALLS AND SLABS
   - UTILITIES
   - CONSTRUCTION DEBRIS
2. ALL PAVEMENT TO BE REMOVED ADJACENT TO PAVEMENT THAT IS TO REMAIN SHALL BE SAWCUT FULL DEPTH AT THE EDGES PRIOR TO REMOVAL TO OBTAIN A "CLEAN" JOINT WHERE IT ABUTS NEW CURB OR PAVEMENT.
3. CONTRACTOR MUST RECEIVE APPROVAL FROM CIVIL ENGINEER AND GEOTECHNICAL ENGINEER FOR THE MATERIAL TYPE AND USE IF CONTRACTOR DESIRES TO REUSE DEMOLISHED SITE PAVEMENT AS STRUCTURAL FILL.
4. STRUCTURES TO BE DEMOLISHED SHALL BE VACATED AND DISCONTINUED FROM USE PRIOR TO START OF WORK. OWNER ASSUMES NO RESPONSIBILITY FOR ACTUAL CONDITION OF STRUCTURES TO BE DEMOLISHED. CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSES WILL BE MAINTAINED BY OWNER IN SO FAR AS PRACTICABLE. HOWEVER, VARIATIONS WITHIN THE STRUCTURES MAY OCCUR BY OWNER'S REMOVAL AND SALVAGE OPERATIONS PRIOR TO START OF DEMOLITION WORK.
5. ITEMS OF SALVAGEABLE VALUE TO CONTRACTOR MAY BE REMOVED AS WORK PROGRESSES AND AS APPROVED BY THE OWNER. SALVAGED ITEMS MUST BE TRANSPORTED FROM THE SITE AS THEY ARE REMOVED. STORAGE OR SALE OF REMOVED ITEMS ON SITE WILL NOT BE PERMITTED.
6. CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT FACILITIES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF BUILDINGS, PAVEMENTS AND UTILITIES TO REMAIN FROM ANY DAMAGE AND SHALL BE RESPONSIBLE FOR REPAIRING THE SAME.
8. EXISTING UTILITIES, WHICH DO NOT SOLEY SERVICE STRUCTURES BEING DEMOLISHED, ARE TO BE KEPT IN SERVICE AND PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS. CONTRACTOR SHALL ARRANGE FOR SHUT-OFF OF UTILITIES SERVING STRUCTURES TO BE DEMOLISHED. CONTRACTOR IS RESPONSIBLE FOR TURNING OFF, DISCONNECTING, AND SEALING INDICATED UTILITIES BEFORE STARTING DEMOLITION OPERATIONS.
9. EXISTING UTILITIES TO BE ABANDONED ARE TO BE CAPPED AT BOTH ENDS AND FILLED WITH FA-1 OR APPROVED EQUAL. ALL UNDERGROUND UTILITIES TO BE REMOVED ARE TO HAVE THEIR TRENCHES BACKFILLED WITH ENGINEERED FILL OR SELECT EXCAVATED MATERIAL, AS APPROVED BY THE GEOTECHNICAL ENGINEER, TO 95% OF MODIFIED PROCTOR DENSITY.
10. ALL PRIVATE UTILITIES (ELECTRIC, CABLE, TELEPHONE, FIBER OPTIC, GAS) SHALL BE REMOVED AND RELOCATED PER THE UTILITY OWNER AND THE LOCAL MUNICIPALITY'S REQUIREMENTS.
11. CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UNDERGROUND AND OVERHEAD UTILITIES DURING CONSTRUCTION. UTILITY PROTECTION SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY OWNER AND THE GOVERNING MUNICIPALITY. DAMAGED CABLES/CONDUITS SHALL BE REPLACED IMMEDIATELY. ALL EXISTING STRUCTURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PROCESS. ALL DAMAGED STRUCTURES SHALL BE REPLACED IN-KIND AND THEIR REPLACEMENT COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
12. REMOVAL, ABANDONMENT, AND RELOCATION OF EXISTING UTILITIES SHALL BE COMPLETED AS GENERALLY DEPICTED ON THESE PLANS. CONTRACTOR TO COORDINATE RELOCATIONS WITH THE UTILITY OWNER. CONTRACTOR SHALL MINIMIZE DISRUPTION OF SERVICE AND SHALL WORK WITH UTILITY OWNER TO MAINTAIN AN ACCEPTABLE LEVEL OF SERVICE.
13. USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO MINIMIZE DUST AND DIRT FROM RISING AND SCATTERING IN THE AIR. COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
14. DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
15. COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION TO THE FINAL LINES AND GRADES SHOWN ON THE CONTRACT DOCUMENTS. BACKFILL MATERIAL SHALL BE IDOT APPROVED AGGREGATE (CA-6) OR APPROVED EQUAL.
16. SEE LANDSCAPE PLANS FOR INFORMATION ON LANDSCAPE AND TREE PROTECTION, PRESERVATION, AND REMOVAL.
17. EXISTING MONITORING WELLS ARE TO BE REMOVED AS NECESSARY AND SEALED BY STATE LICENSED WELL DRILLER PER ILLINOIS DEPARTMENT OF PUBLIC HEALTH REQUIREMENTS AND/OR LOCAL/COUNTY REQUIREMENTS.
18. THESE DRAWINGS DO NOT INCLUDE THE REMOVAL OF UNDERGROUND STORAGE TANKS. SHOULD UNDERGROUND STORAGE TANKS BE ENCOUNTERED, CONTRACTOR TO CONTACT OWNER AND ENGINEER TO DETERMINE RESPONSIBILITY FOR ANY ENVIRONMENTAL REMEDIATION OR REMOVAL WORK AS NECESSARY. ANY REMOVAL OF UNDERGROUND STORAGE TANKS MUST BE IN CONFORMANCE WITH LOCAL AND STATE STANDARDS.
19. ANY SEPTIC FIELD OR WELL THAT IS TO BE ABANDONED AS PART OF THIS DEVELOPMENT MUST BE TERMINATED PER COUNTY HEALTH REGULATIONS AND DOCUMENTATION FORWARDED TO THE WATER DEPARTMENT.

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PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

DEMOLITION PLAN

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
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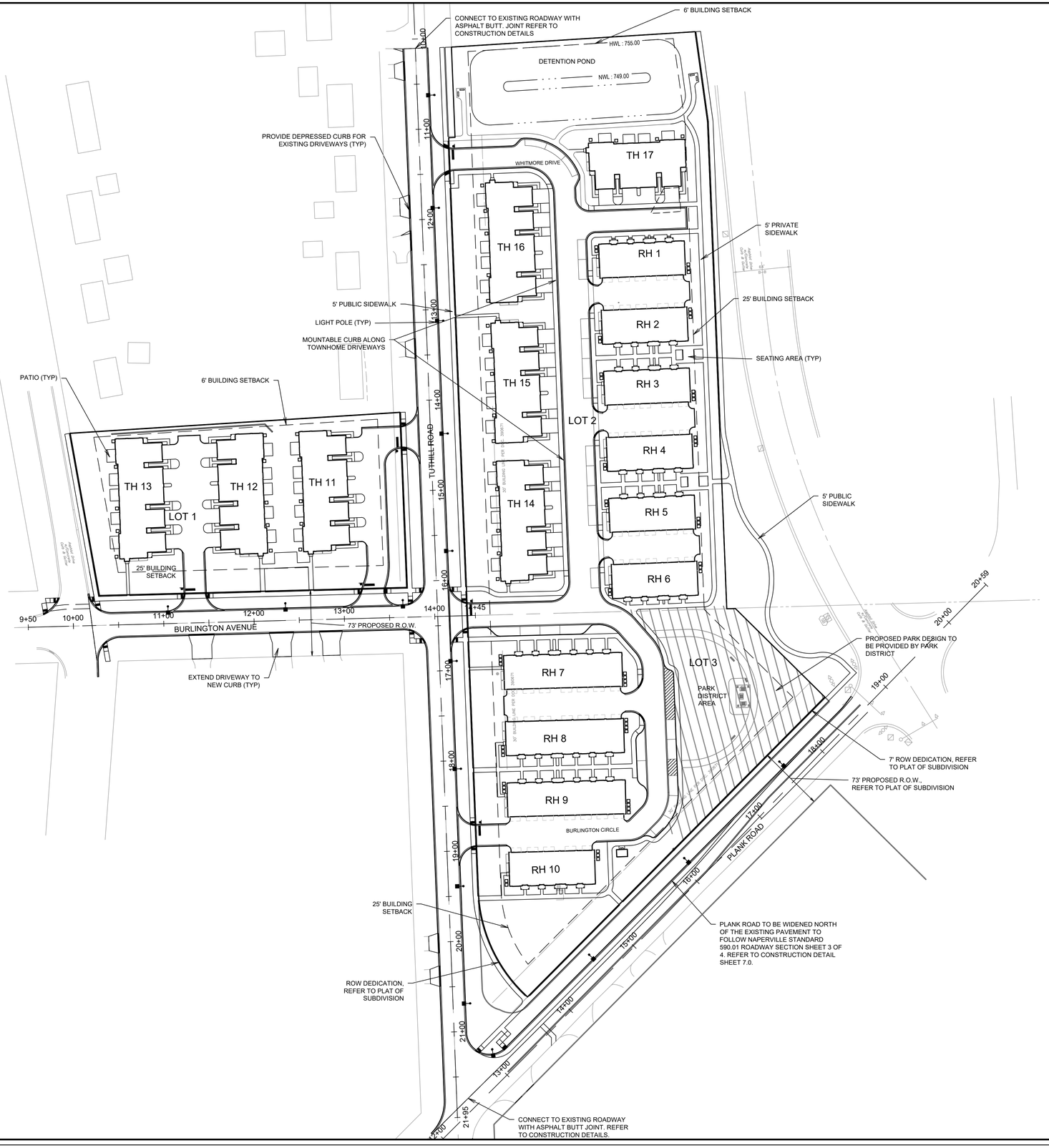

NOTES:

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2. ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED WHITE UNLESS OTHERWISE NOTED.
3. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
4. ALL CURB AND GUTTER SHALL BE B6.12 UNLESS OTHERWISE NOTED.
5. PUBLIC ROADWAYS TO BE DESIGNED PER NAPERVILLE STANDARDS 590.01, REFER TO CONSTRUCTION DETAIL SHEET 7.0.
   -PLANK ROAD - 37' PAVEMENT WITHIN 80' ROW
   -TUTHILL ROAD - 28' PAVEMENT WITHIN 66' ROW
   -BURLINGTON AVENUE - 28' PAVEMENT WITHIN 66' ROW

SITE DATA

LOT1
AREA = 1.52 AC(66,154 SF)

3 TOWNHOME BUILDINGS - 15 UNITS

PARKING
REQUIRED: 2 PARKING SPACES PER DWELLING UNIT PLUS 0.25 GUESTS PARKING SPACES (34)
PROVIDED: 60 PARKING SPACES
30 GARAGE SPACES, 30 DRIVEWAY SPACES

LOT2
AREA = 5.92 AC(257,996 SF)

4 TOWNHOME BUILDINGS - 19 UNITS

PARKING
REQUIRED: 2 PARKING SPACES PER DWELLING UNIT PLUS 0.25 GUESTS PARKING SPACES (43)
PROVIDED: 76 PARKING SPACES
38 GARAGE SPACES, 38 DRIVEWAY SPACES

10 ROWHOME BUILDINGS - 56 UNITS

PARKING
REQUIRED: 2 PARKING SPACES PER DWELLING UNIT PLUS 0.25 GUESTS PARKING SPACES (126)
PROVIDED: 138 PARKING SPACES
112 GARAGE SPACES, 26 STREET SPACES

LOT3
AREA = 0.62 AC(27,047 SF)

PARK DISTRICT

GRAPHIC SCALE
60 30 0 60
1" = 60'

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OVERALL SITE PLAN

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 Janes Avenue
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C3.0

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PAVING LEGEND

BITUMINOUS PAVEMENT (LIGHT DUTY)(SN = 2.50)
- 2" BITUMINOUS CONCRETE SURFACE COURSE
- 2" HOT MIX ASPHALT BINDER COURSE
- 8" COMPACTED AGGREGATE BASE COURSE, TYPE B, CA-6, GRADE 8 OR 9

BITUMINOUS PAVEMENT (LOCAL ROAD)(SN = 3.00)
- 2" BITUMINOUS CONCRETE SURFACE COURSE
- 3.5" HOT MIX ASPHALT BINDER COURSE
- 8" COMPACTED AGGREGATE BASE COURSE, TYPE B, CA-6, GRADE 8 OR 9

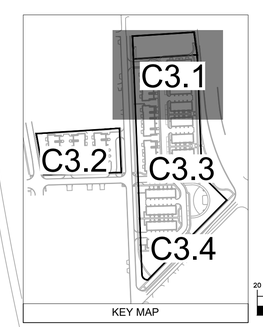
BITUMINOUS PAVEMENT (COLLECTOR ROAD)(SN = 4.01)
- 2" BITUMINOUS CONCRETE SURFACE COURSE
- 5" HOT MIX ASPHALT BINDER COURSE
- 12" COMPACTED AGGREGATE BASE COURSE, TYPE B, CA-6, GRADE 8 OR 9

CONCRETE PAVEMENT (SN = 3.52)
- 6" P.C. CONCRETE PAVEMENT
- 4" COMPACTED AGGREGATE BASE COURSE, TYPE B, CA-6, GRADE 8 OR 9

CONCRETE SIDEWALK (SN = 2.26)
- 4" P.C. CONCRETE PAVEMENT
- 2" COMPACTED AGGREGATE BASE COURSE, TYPE B, CA-6, GRADE 8 OR 9

CONCRETE PAVEMENT ENTRANCE (SN = 4.52)
- 8" P.C. CONCRETE PAVEMENT
- 4" COMPACTED AGGREGATE BASE COURSE, TYPE B, CA-6, GRADE 8 OR 9

DRIVEWAY
2.0% MIN. (TYP.)
SIDEWALK
1.5% (TYP.)
3"
ROADWAY
SLOPE VARIES
5"
19"
3" REVERSE PITCH MOUNTABLE CURB
(NOT TO SCALE)



KEY MAP

GRAPHIC SCALE
20 10 0 20
1" = 20'

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DESIGNED BY: NB
DRAWN BY: RI

LAYOUT AND PAVING PLAN - AREA 1

THE RESIDENCES AT

NAPERVILLE NAPER AND PLANK ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C3.1

FOR CONTINUATION SEE SHEET C3.3

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FOR CONTINUATION SEE SHEET C3.1

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PAVING LEGEND

BITUMINOUS PAVEMENT (LIGHT DUTY)(SN = 2.50)
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- 8" COMPACTED AGGREGATE BASE COURSE, TYPE B, CA-6, GRADE 8 OR 9

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BITUMINOUS PAVEMENT (COLLECTOR ROAD)(SN = 4.01)
- 2" BITUMINOUS CONCRETE SURFACE COURSE
- 5" HOT MIX ASPHALT BINDER COURSE
- 12" COMPACTED AGGREGATE BASE COURSE, TYPE B, CA-6, GRADE 8 OR 9

CONCRETE PAVEMENT (SN = 3.52)
- 6" P.C. CONCRETE PAVEMENT
- 4" COMPACTED AGGREGATE BASE COURSE, TYPE B, CA-6, GRADE 8 OR 9

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- 4" P.C. CONCRETE PAVEMENT
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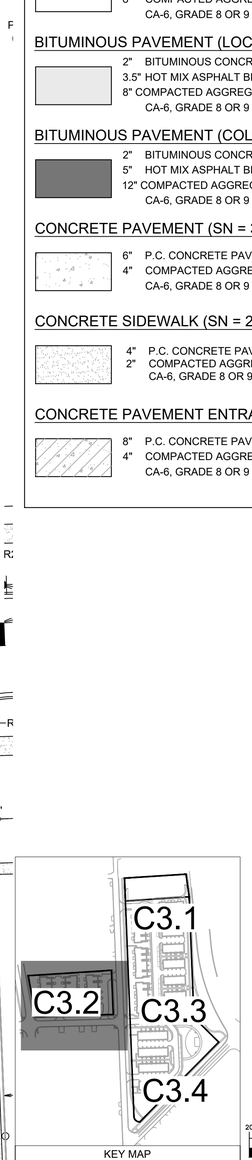
CONCRETE PAVEMENT ENTRANCE (SN = 4.52)
- 8" P.C. CONCRETE PAVEMENT
- 4" COMPACTED AGGREGATE BASE COURSE, TYPE B, CA-6, GRADE 8 OR 9

FOR CONTINUATION SEE SHEET C3.3

FOR CONTINUATION SEE SHEET C3.3



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DESIGNED BY: NB
DRAWN BY: RI

LAYOUT AND PAVING PLAN - AREA 2

THE RESIDENCES AT NAPERVILLE

NAPER AND PLANK

ILLINOIS

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FOR CONTINUATION SEE SHEET C3.1

FOR CONTINUATION SEE SHEET C3.2

FOR CONTINUATION SEE SHEET C3.4

TH 15

TH 14

RH 3

RH 4

RH 5

RH 6

RH 7

RH 8

LOT 2

LOT 3

PARK DISTRICT AREA

NAPER BOULEVARD

30' BUILDING LINE PER DOC. 390671

MOUNTABLE CURB ALONG TOWNHOMES 14 THROUGH 16

PROPOSED 4" PAINTED YELLOW EDGE LINE (TYP.)

PATIO (TYP)

PARALLEL PARKING STALL (TYP)

BEGIN B6.12 CURB AND GUTTER

AC UNIT (TYP)

PROPOSED 24" WHITE STOP BAR AND STOP SIGN

12" FLUSH CURB

B6 BARRIER CURB (TYP.)

PROPOSED 4" PAINTED YELLOW STRIPING 3' O.C. (TYP.)

PROPOSED PARK DESIGN CURRENTLY BEING COORDINATED WITH PARK DISTRICT

7' R.O.W. DEDICATION, REFER TO PLAT OF SUBDIVISION

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PAVING LEGEND

BITUMINOUS PAVEMENT (LIGHT DUTY)(SN = 2.50)
- 2" BITUMINOUS CONCRETE SURFACE COURSE
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- 4" COMPACTED AGGREGATE BASE COURSE, TYPE B, CA-6, GRADE 8 OR 9

KEY MAP

C3.1
C3.2
C3.3
C3.4

GRAPHIC SCALE
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1" = 20'

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LAYOUT AND PAVING PLAN - AREA 3

THE RESIDENCES AT NAPERVILLE NAPER AND PLANK

ILLINOIS

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630.724.9200 phone
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C3.3

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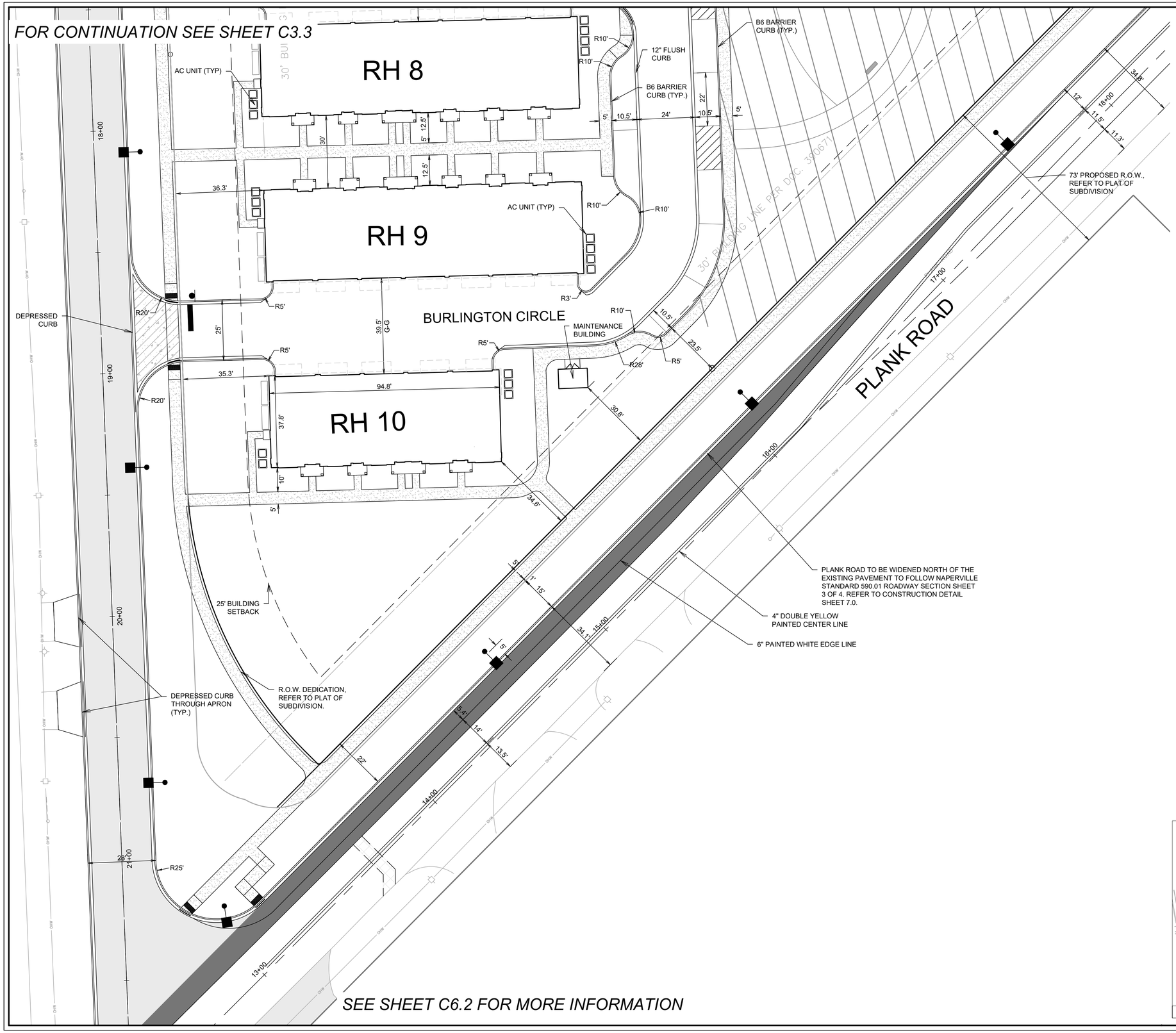
FOR CONTINUATION SEE SHEET C3.3



SEE SHEET C6.2 FOR MORE INFORMATION

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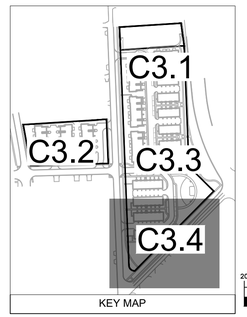

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LAYOUT AND PAVING PLAN - AREA 4

THE RESIDENCES AT NAPERVILLE

NAPER AND PLANK

ILLINOIS

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C3.4

NOTES:

1. ALL PAVEMENT SPOT GRADE ELEVATIONS AND RIM ELEVATIONS WITHIN OR ALONG CURB AND GUTTER REFER TO EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
2. ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE UNLESS OTHERWISE NOTED. SUBTRACT TOPSOIL THICKNESS OR PAVEMENT SECTION TO ESTABLISH SUBGRADE ELEVATIONS.
3. PROVIDE 1.50% CROSS SLOPE AND 4.00% MAXIMUM LONGITUDINAL SLOPE ON ALL SIDEWALKS AND PEDESTRIAN PATHS UNLESS OTHERWISE INDICATED. PLEASE NOTE THAT THE ILLINOIS ACCESSIBILITY CODE REQUIRES A MAXIMUM CONSTRUCTED CROSS SLOPE OF 2.00% AND LONGITUDINAL SLOPE OF 5.00%.

TUTHILL ROAD
NAPER BOULEVARD
WHITMORE DRIVE
BURLINGTON AVENUE
BURLINGTON CIRCLE
PLANK ROAD
OVERFLOW ROUTE (TYP)
NWL = 750.00
NWL = 749.00
757.60 ± M.E.
756.12 ± M.E.
764.69 ± M.E.
764.74 ± M.E.
764.56 ± M.E.
764.16 ± M.E.
TH 17 FF = 757.40
TH 16 FF = 758.10
TH 15 FF = 758.80
TH 14 FF = 759.85
TH 13 FF = 762.70
TH 12 FF = 762.70
TH 11 FF = 761.80
RH 1 FF = 758.00
RH 2 FF = 758.00
RH 3 FF = 758.80
RH 4 FF = 758.80
RH 5 FF = 759.60
RH 6 FF = 759.60
RH 7 FF = 761.50
RH 8 FF = 761.50
RH 9 FF = 760.90
RH 10 FF = 760.90

GRAPHIC SCALE
60 30 0 60
1" = 60'

REVISIONS			
NO.	DATE	DESCRIPTION	
1	09-04-25	REVISED PER CITY COMMENTS	
2	09-29-25	REVISED PER CITY COMMENTS	

ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

OVERALL GRADING PLAN

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 James Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C4.0

NOTES:

1. ALL PAVEMENT SPOT GRADE ELEVATIONS AND RIM ELEVATIONS WITHIN OR ALONG CURB AND GUTTER REFER TO EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
2. ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE UNLESS OTHERWISE NOTED. SUBTRACT TOPSOIL THICKNESS OR PAVEMENT SECTION TO ESTABLISH SUBGRADE ELEVATIONS.
3. PROVIDE 1.50% CROSS SLOPE AND 4.00% MAXIMUM LONGITUDINAL SLOPE ON ALL SIDEWALKS AND PEDESTRIAN PATHS UNLESS OTHERWISE INDICATED. PLEASE NOTE THAT THE ILLINOIS ACCESSIBILITY CODE REQUIRES A MAXIMUM CONSTRUCTED CROSS SLOPE OF 2.00% AND LONGITUDINAL SLOPE OF 5.00%.
4. MINUMUM SEPARATION BETWEEN POND HWL AND RIGHT-OF-WAY TO BE 10' PLUS 1.5 TIMES THE POND DEPTH 10+(1.5*6)=19'.

TUTHILL ROAD

NAPER BOULEVARD

WHITMORE DRIVE

1.28 AC-ft
HWL : 755.0
NWL : 749.0
6:1 Side Slopes

MIN SEPARATION BETWEEN HWL AND ROW = 10' + (1.5*POND DEPTH)

SEPARATION = 10' + (1.5*6) = 19'

TH 17
FF = 757.40

TH 16
FF = 758.10

TH 15

RH 1
FF = 758.00

RH 2
FF = 758.00

LIMITS OF UNDERGROUND DETENTION (TYP)

Catch Basin 3' Dia.
Ty. A w/2'x2' Grate
Rim (F/L=753.61)
Inv.=(749.51)

Telephone Hand Hole

Catch Basin 4' Dia.
Ty. A w/2'x2' Grate
Rim (F/L=753.59)
Inv.=(749.09)

Storm Manhole 5' Dia.
Ty. A w/Ty. 1 F & G
Rim=(753.99)
Inv.=(748.54)

Catch Basin 4' Dia.
Ty. A w/ 2'x2' Grate
Rim (F/L=753.63)
Inv.=(749.13)
8" Clay

FOR CONTINUATION SEE SHEET C4.2

FOR CONTINUATION SEE SHEET C4.3

KEY MAP

C4.1
C4.2
C4.3
C4.4

GRAPHIC SCALE
20 10 0 20
1" = 20'

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

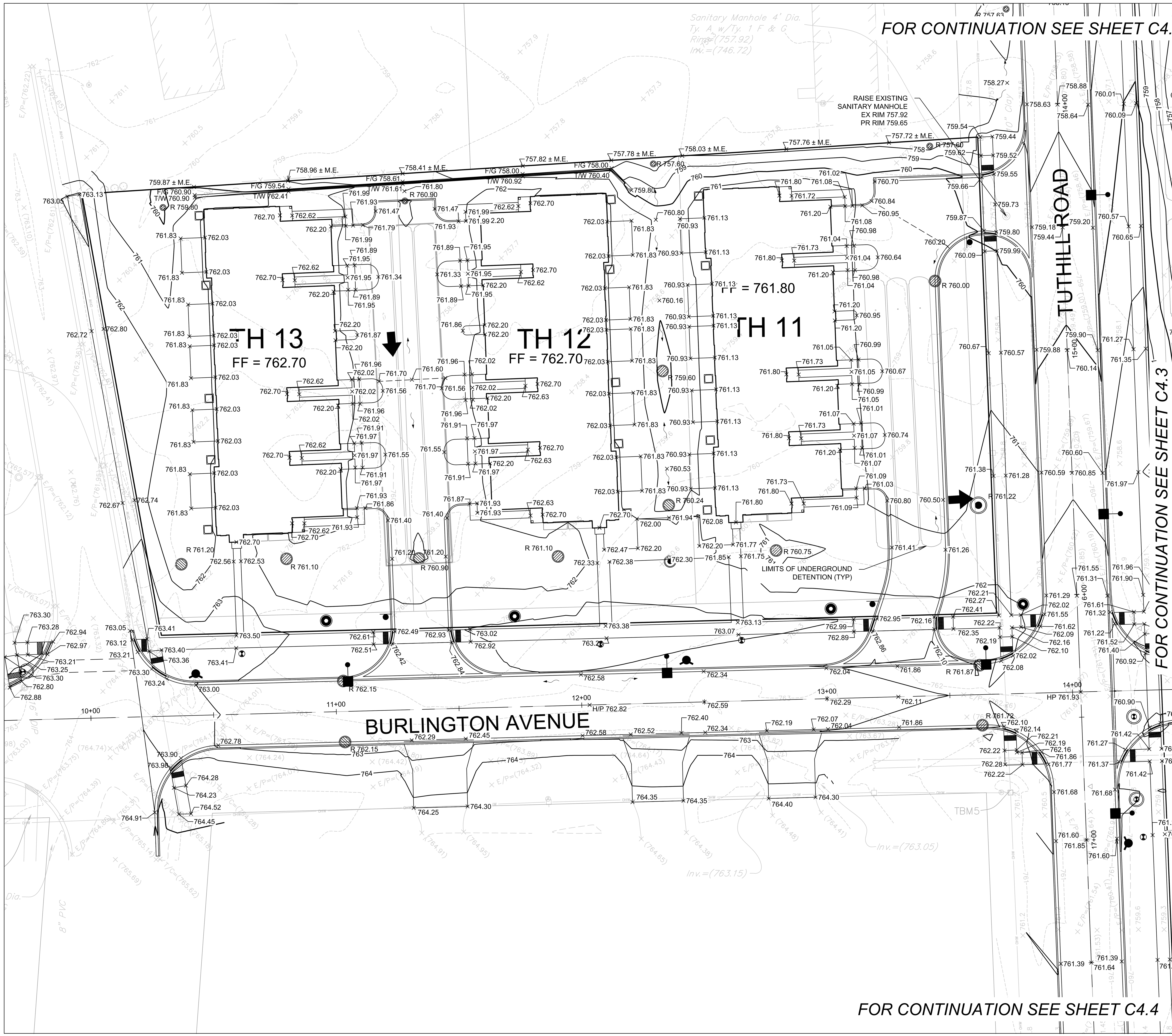
GRADING PLAN - AREA 1

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

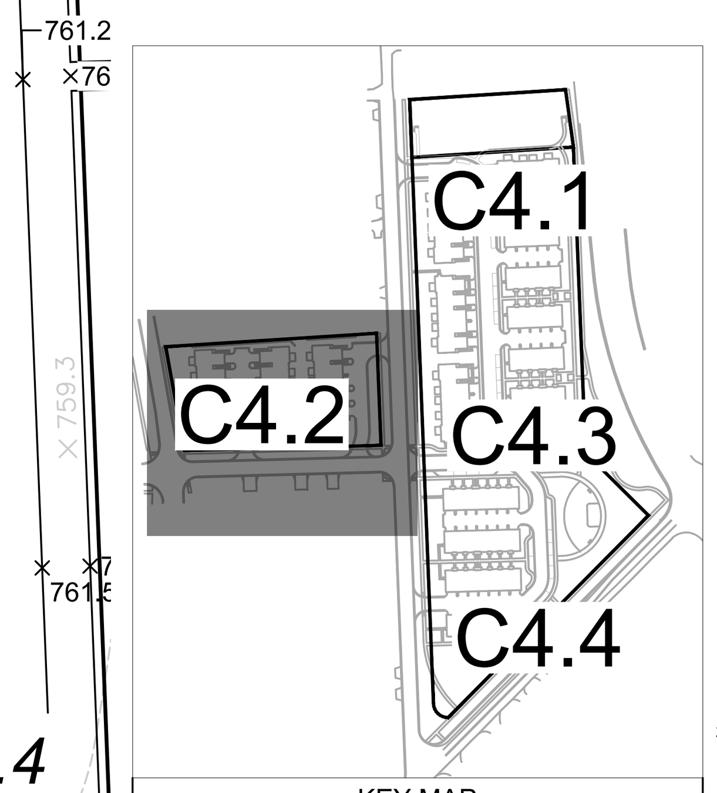
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C4.1



NOTES:

1. ALL PAVEMENT SPOT GRADE ELEVATIONS AND RIM ELEVATIONS WITHIN OR ALONG CURB AND GUTTER REFER TO EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
2. ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE UNLESS OTHERWISE NOTED. SUBTRACT TOPSOIL THICKNESS OR PAVEMENT SECTION TO ESTABLISH SUBGRADE ELEVATIONS.
3. PROVIDE 1.50% CROSS SLOPE AND 4.00% MAXIMUM LONGITUDINAL SLOPE ON ALL SIDEWALKS AND PEDESTRIAN PATHS UNLESS OTHERWISE INDICATED. PLEASE NOTE THAT THE ILLINOIS ACCESSIBILITY CODE REQUIRES A MAXIMUM CONSTRUCTED CROSS SLOPE OF 2.00% AND LONGITUDINAL SLOPE OF 5.00%.
4. MINUMUM SEPARATION BETWEEN POND HWL AND RIGHT-OF-WAY TO BE 10' PLUS 1.5 TIMES THE POND DEPTH 10+(1.5*6)=19'.



GRAPHIC SCALE
1" = 20'

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

GRADING PLAN - AREA 2

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C4.2

n:\2024\241072\Drawings\ACAD\LD\S04\sheet drawings\C4.1 Grd241072.dwg 9/30/2025

FOR CONTINUATION SEE SHEET C4.1

FOR CONTINUATION SEE SHEET C4.2

FOR CONTINUATION SEE SHEET C4.4

TH 15
FF = 758.80

TH 14
FF = 759.85

RH 3
FF = 758.80

RH 4
FF = 758.80

RH 5
FF = 759.60

RH 6
FF = 759.60

RH 7
FF = 761.50

RH 8

RAISE TELEPHONE STRUCTURE RIM
EX 755.80
PR 759.20

Sanitary Manhole 4' Dia.
Ty. A w/Ty. 1 F & G
Rim=(757.37)
Inv.=(744.92) N-S
Inv.=(744.97) W

NOTES:

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4. MINUMUM SEPARATION BETWEEN POND HWL AND RIGHT-OF-WAY TO BE 10' PLUS 1.5 TIMES THE POND DEPTH 10+(1.5*6)=19'.

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI
ORIGINAL ISSUE DATE: JULY 28, 2025

GRADING PLAN - AREA 3

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

KEY MAP

GRAPHIC SCALE
20 10 0 20
1" = 20'

DRAWING NO.
C4.3

FOR CONTINUATION SEE SHEET C4.3

RH 8
FF = 761.50

RH 9
FF = 760.90

RH 10
FF = 760.90

BURLINGTON CIRCLE

PLANK ROAD

SIDEWALK TO TRANSITION PITCH TO INTERIOR OF SITE

SIDEWALK TO PITCH TOWARDS THE STREET AFTER THE SIDEWALK INTERSECTION

Sanitary Manhole 4' Dia.
Ty. A w/Ty. 1 F & G
Rim=(757.13)
Inv.=(743.05)

SEE SHEET C6.2 FOR MORE INFORMATION

NOTES:

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4. MINUMUM SEPARATION BETWEEN POND HWL AND RIGHT-OF-WAY TO BE 10' PLUS 1.5 TIMES THE POND DEPTH 10+(1.5*6)=19'.

KEY MAP

C4.1
C4.2
C4.3
C4.4

GRAPHIC SCALE
20 10 0 20
1" = 20'

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI
ORIGINAL ISSUE DATE: JULY 28, 2025

GRADING PLAN - AREA 4

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C4.4

EROSION CONTROL NOTES:

1. CONTRACTOR TO INSTALL CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF WORK.
2. CONTRACTOR TO INSTALL SILT FENCE PRIOR TO COMMENCEMENT OF ANY EARTHWORK. CONTRACTOR TO MAINTAIN SILT FENCE AS SHOWN AND INSTALL ADDITIONAL SILT FENCE WHEREVER NECESSARY THROUGHOUT CONSTRUCTION ACTIVITIES TO MINIMIZE SOIL EROSION.
3. CONTRACTOR TO INSTALL INLET PROTECTION ON ALL OPEN LID STRUCTURES. SEE INLET PROTECTION DETAIL ON SHEET C4.6.
4. EROSION CONTROL BLANKET (ROLLMAX ERONET S150 OR APPROVED EQUAL) SHALL BE PLACED ON ALL AREAS WITH SIDE SLOPES OF 4:1 OR GREATER, AND IN BOTTOM AND SIDE SLOPES OF SWALES WHERE NOTED.
5. ALL SEDIMENT AND EROSION CONTROL MEASURES IN AND AROUND THE PROPOSED IMPROVEMENTS ARE TO REMAIN IN PLACE AND TO BE MAINTAINED THROUGHOUT CONSTRUCTION ACTIVITIES UNTIL THE PROPOSED IMPROVEMENTS ARE COMPLETED AND THE SITE ADEQUATELY STABILIZED.
6. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS INDICATED ON THIS SHEET IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY V3 COMPANIES. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE PROVISIONS INDICATED IN THE SWPPP, INCLUDING EROSION CONTROL MEASURES AND INSPECTION FREQUENCY, AS REQUIRED BY THE IEPA NPDES PHASE II PERMIT PROGRAM REQUIREMENTS.

LEGEND

- INLET PROTECTION FILTER
- SF — SILT FENCE
- CONCRETE WASHOUT
- STABILIZED CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET
- RIP RAP

KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT NOTES:

a. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIIMUM STANDARDS AND SPECIFICATIONS OF THE ILLINOIS URBAN MANUAL'S LATEST EDITION.
b. THE KAND-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND-DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
c. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
d. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.
e. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
f. DURING DEWATERING OPERATIONS, WATER WILL BE FILTERED OR PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.
g. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
h. DEWATERING OPERATIONS SHALL FOLLOW ILLINOIS URBAN MANUAL PRACTICE STANDARD 813 - DEWATERING.

GRAPHIC SCALE
60 30 0 60
1" = 60'

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

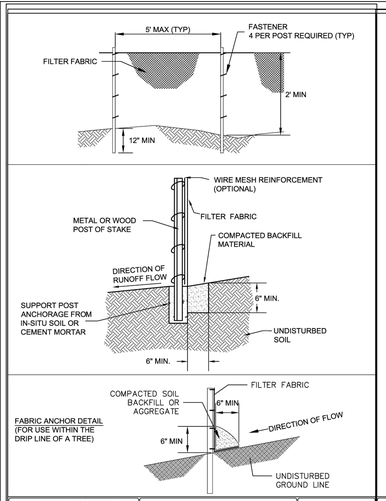
EROSION CONTROL PLAN

THE RESIDENCES AT NAPER AND PLANK

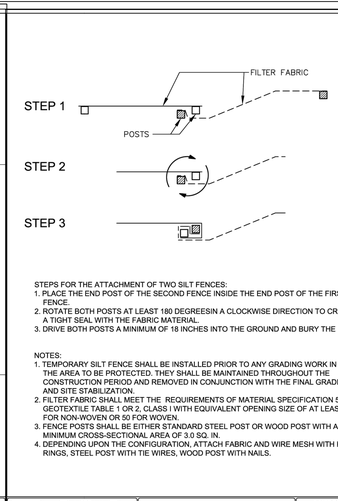
NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C4.5



City of Naperville STANDARD DETAIL	TEMPORARY EROSION CONTROL MEASURE - SILT FENCE	LANDSCAPE 3 790.03
	REVISED: 01/01/2013	SHEET 1 OF 2

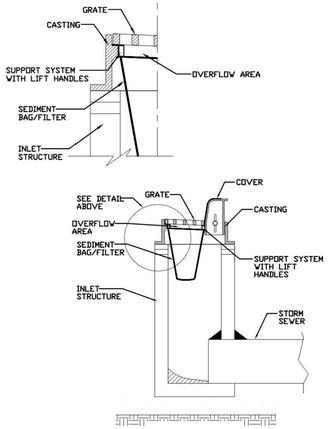


STEPS FOR THE ATTACHMENT OF TWO SILT FENCES:
1. PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE.
2. ROTATE BOTH POSTS AT LEAST 180 DEGREESIN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL.
3. DRIVE BOTH POSTS A MINIMUM OF 18 INCHES INTO THE GROUND AND BURY THE FLAP.

NOTES:
1. TEMPORARY SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
2. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS I WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NON-WOVEN OR 50 FOR WOVEN.
3. FENCE POSTS SHALL BE EITHER STANDARD STEEL POST OR WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA OF 3.0 SQ. IN.
4. DEPENDING UPON THE CONFIGURATION, ATTACH FABRIC AND WIRE MESH WITH HOG RINGS, STEEL POST WITH TIE WIRES, WOOD POST WITH NAILS.

City of Naperville STANDARD DETAIL	TEMPORARY EROSION CONTROL MEASURE - SILT FENCE	LANDSCAPE 3 790.03
	REVISED: 01/01/2013	SHEET 2 OF 2

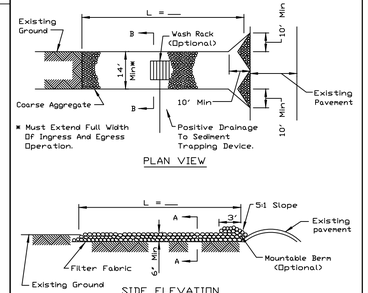
INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO. IUM-561D
SHEET 1 OF 1
DATE 01-11-11

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW

SIDE ELEVATION

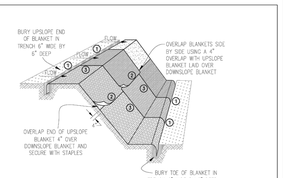
NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

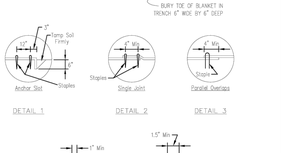
REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

NRCS Natural Resources Conservation Service

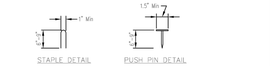
STANDARD DWG. NO. IL-630
SHEET 1 OF 2
DATE 8-10-94

AUTOCAD2006





DETAIL 1 DETAIL 2 DETAIL 3

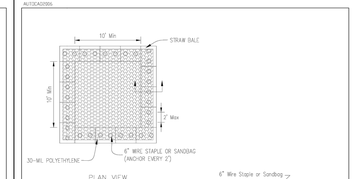


STAPLE DETAIL PUSH PIN DETAIL

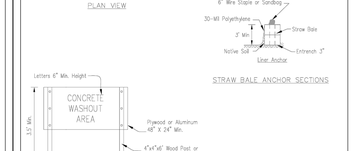
NOTES:
1. Staples shall be placed in a diamond pattern at 2 per s.y. for stitched blankets. Non-stitched shall use 4 staples per s.y. of material. This equates to 200 staples with stitched blanket and 400 staples with non-stitched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

EROSION CONTROL BLANKET INSTALLATION DETAILS

AUTOCAD2006



PLAN VIEW



STRAW BALE ANCHOR SECTIONS

SIGN DETAIL

NOTES:
1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
3. Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE

REVISIONS		
NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI
ORIGINAL ISSUE DATE: JULY 28, 2025

EROSION CONTROL DETAILS

THE RESIDENCES AT NAPER AND PLANK

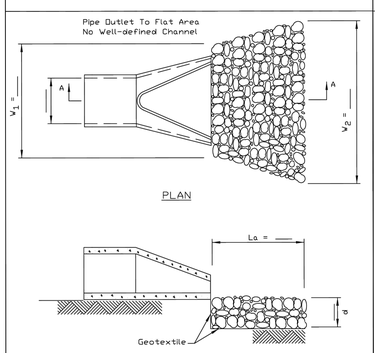
NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C4.6

RIP RAP SIZING TABLE					
STRUCTURE	W1	W2	La	DEPTH	GRADATION
FES 1-1	6	22	20	20	RR - 4
FES 2-1	6	22	20	20	RR - 4

PIPE OUTLET TO FLAT AREA



PLAN

SECTION A-A

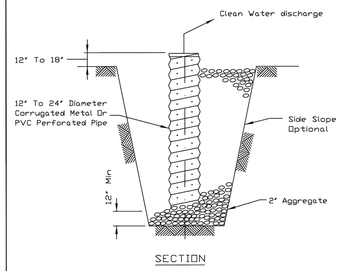
NOTES:
1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III.
2. The rock riprap shall shall meet the IDOT requirements for the following gradation: RR _____. Quality _____.
3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-610
SHEET 1 OF 1
DATE 9-15-93

SUMP PIT PLAN



SECTION

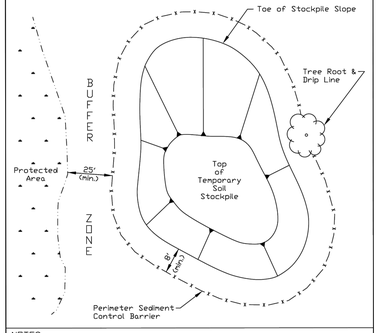
NOTES:
1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
4. The standpipe will extend 12" to 18" above the lip of the pit.
5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-650
SHEET 1 OF 1
DATE 8-11-94

TEMPORARY SOIL STOCKPILE DETAIL



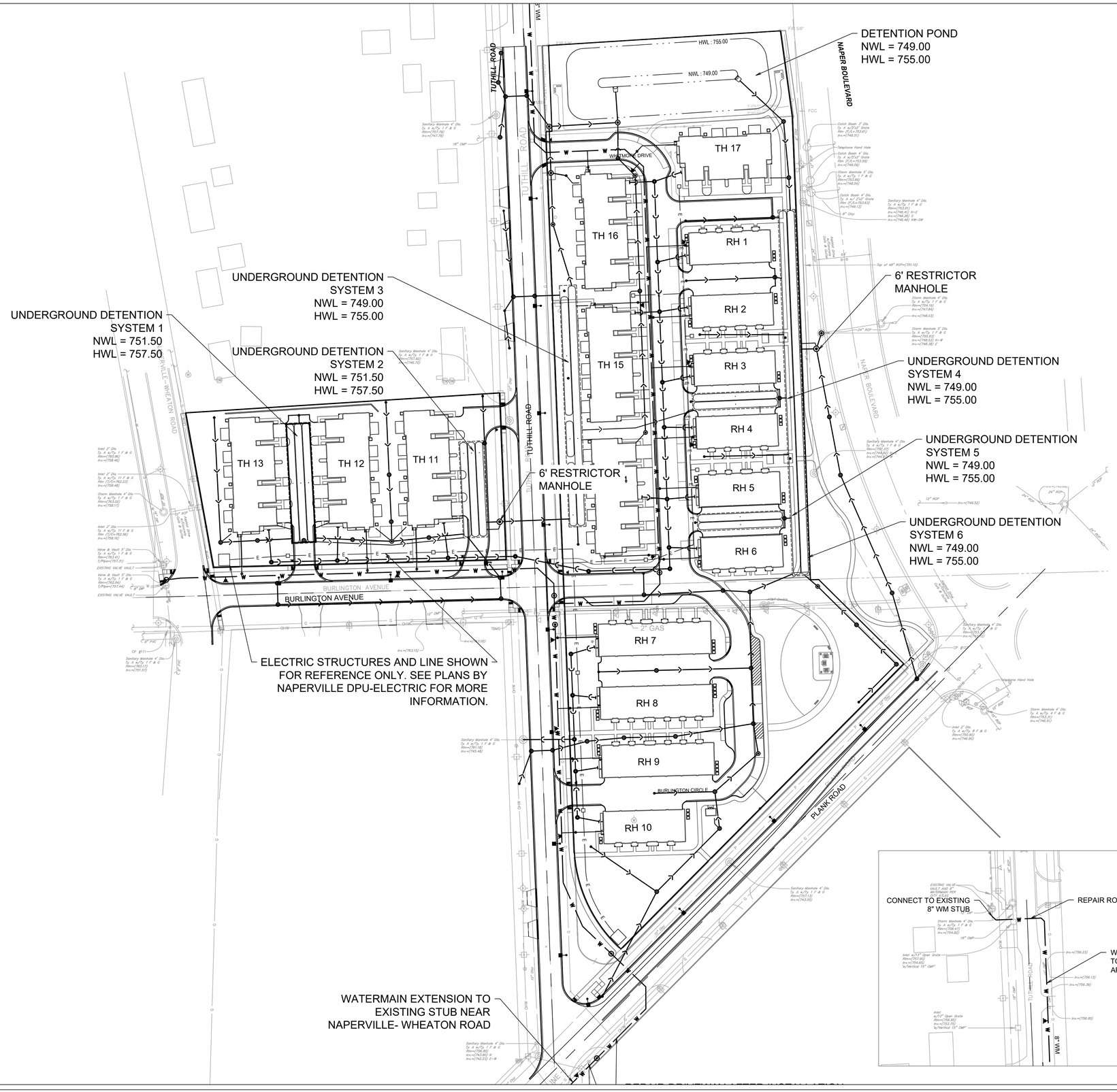
NOTES:
1. Stockpile slopes should be based on angle of repose of the soil material to avoid potential sloughing of the slope.
2. Soil stockpile to be stabilized in accordance with practical standards.
3. Do not locate stockpile within overland drainage flow path, designated floodways, drip line or over the root crown of adjacent trees.
4. Provisions for sediment control practices may be required along haul roads and entrance/exit locations for access the soil stockpile that can create flow path for stormwater runoff.
5. Installation of benches, terraces, or slope interrupters should be considered.
6. Avoid building soil stockpiles on impervious surfaces.
7. Linear sediment trap surrounding the stockpile base may be used to control sediment.

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO. IUM-627
SHEET 1 OF 1
DATE JANUARY 2017

SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCE CHART

CONSTRUCTION ACTIVITY	CORRESPONDING EROSION CONTROL MEASURE	RESPONSIBILITY FOR EROSION CONTROL MEASURE	APPROXIMATE START DATE	APPROXIMATE COMPLETION DATE
1. SITE CLEARING AND GRUBBING	CONSTRUCTION OF STABILIZED CONSTRUCTION ENTRANCE AND INSTALLATION OF SILT FENCE	EARTHWORK CONTRACTOR	SEPTEMBER 16, 2025	SEPTEMBER 30, 2025
2. STRIPPING OF TOPSOIL AND EXCAVATION FOR PARKING AND LOT AREAS.	INSPECTION AND MAINTENANCE OF EROSION CONTROL MEASURES	EARTHWORK CONTRACTOR	SEPTEMBER 25, 2025	OCTOBER 15, 2025
4. INSTALLATION OF UTILITIES.	INSTALLATION OF INLET SEDIMENT TRAPS AND FILTER FABRIC AT OPEN-GRATED STORM STRUCTURES	UNDERGROUND CONTRACTOR	OCTOBER 23, 2025	FEBRUARY 15, 2026
5. PLACEMENT OF PAVEMENT	INSPECTION AND MAINTENANCE OF EROSION CONTROL MEASURES	PAVING CONTRACTOR	FEBRUARY 28, 2026	MARCH 15, 2026
6. FINAL GRADING, PLACEMENT OF TOPSOIL WITHIN ALL OPEN SPACES.	ESTABLISHMENT OF PERMANENT VEGETATION	EARTHWORK CONTRACTOR	FEBRUARY 16, 2026	MARCH 1, 2026
7. CLEAN OUT ALL STORM SEWERS AND DETENTION BASINS AND RESTORE TO DESIGN SPECIFICATIONS.	REMOVE SILT FENCE AND INLET BASKET FILTERS FOLLOWING FINAL INSPECTION AND W.C.D.O.E APPROVAL.	EARTHWORK CONTRACTOR	JUNE 2, 2026	JUNE 16, 2026



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2. UNLESS INDICATED OTHERWISE, FRAME AND OPEN LID STORM STRUCTURES IN PAVEMENT SHALL BE NEENAH R-2502 WITH TYPE D LID OR APPROVED EQUAL, AND FRAME AND CLOSED LID STORM STRUCTURES IN PAVEMENT SHALL BE NEENAH R-1772 OR APPROVED EQUAL. FRAME AND OPEN LID STORM STRUCTURES IN OPEN SPACE SHALL BE R-4340-B OR APPROVED EQUAL. ALL FRAME AND GRATES SHALL CONFORM TO LOCAL MUNICIPALITY REQUIREMENTS.
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3. ALL WATER SERVICES TO BE 6" DIP COMBINED FIRE AND DOMESTIC
4. ALL SANITARY SERVICES FROM INDIVIDUAL BUILDINGS TO BE 6" PVC SDR 26.
5. ROOF DRAIN CONNECTIONS TO BE 6" FOR RH BUILDINGS AND 8" FOR TH BUILDINGS AT 1% MINIMUM SLOPE. SEE DOWNSPOUT DETAIL FOR RH ON 5.4 AND CONNECTOR DETAIL ON C7.2 FOR MORE INFORMATION.
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11. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" (SEE VERTICAL SEPARATION DETAIL ON SHEET C7.3).
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DETENTION SUMMARY:

TOTAL SITE AREA: 8.06 AC
WEST PARCEL AREA: 1.52 AC
EAST PARCEL AREA: 6.54 AC

WEST DETENTION VOLUME REQUIRED: 0.677 AC-FT
EAST DETENTION VOLUME REQUIRED: 2.91 AC-FT
DETENTION VOLUME REQUIRED: 3.59 AC-FT

DETENTION VOLUME PROVIDED: 3.63 AC-FT
- 0.683 AC-FT IN WESTERN PARCEL CHAMBERS
- 1.664 AC-FT IN EASTERN PARCEL CHAMBERS
- 1.280 AC-FT IN DETENTION POND

POST-CONSTRUCTION BEST MANAGEMENT PRACTICE SUMMARY:

WEST BMP VOLUME REQUIRED: 0.088 AC-FT
EAST BMP VOLUME REQUIRED: 0.365 AC-FT
WEST ROW (BURLINGTON) BMP VOLUME REQUIRED: 0.011 AC-FT
EAST ROW (TUTHILL AND PLANK) BMP VOLUME REQUIRED: 0.045 AC-FT

TOTAL BMP VOLUME REQUIRED: 0.509 AC-FT

BMP VOLUME PROVIDED IN UNDERGROUND CHAMBERS: 0.586 AC-FT
- 0.146 AC-FT IN WESTERN PARCEL CHAMBERS
- 0.440 AC-FT IN EASTERN PARCEL CHAMBERS

REVISIONS

NO.	DATE	DESCRIPTION
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ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

OVERALL UTILITY PLAN

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C5.0

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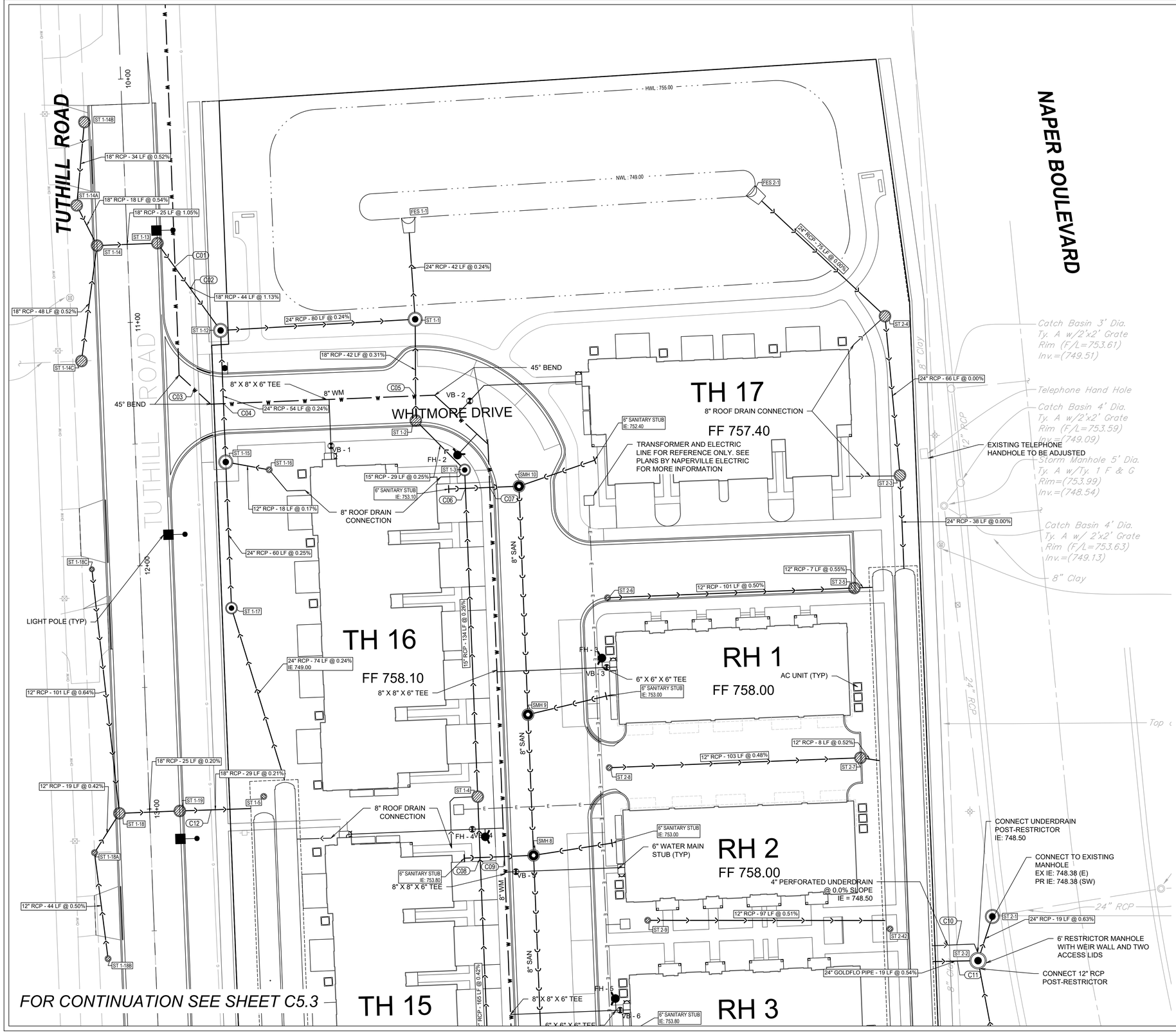

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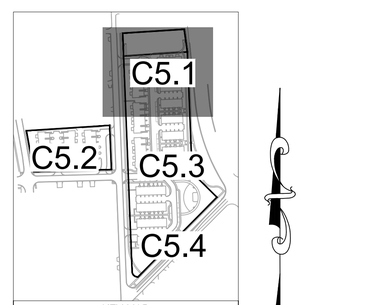

GRAPHIC SCALE
20 10 0 20
1" = 20'

REVISIONS

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ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

UTILITY PLAN - AREA 1

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C5.1

FOR CONTINUATION SEE SHEET C5.1

Sanitary Manhole 4' Dia.
Ty. A w/Ty. 1 F & G
Rim=(757.92)
Inv.=(746.72)

UNDERGROUND DETENTION SYSTEM 1
WITH 4" PERFORATED UNDERDRAIN AT ELEV. 751.00.
SEE PLANS BY PRINSCO FOR MORE INFORMATION
NWL = 751.50
HWL = 757.50

UNDERGROUND DETENTION SYSTEM 2
WITH 4" PERFORATED UNDERDRAIN AT ELEV. 751.00.
SEE PLANS BY PRINSCO FOR MORE INFORMATION
NWL = 751.50
HWL = 757.50

TH 13
FF 762.70

TH 12
FF 762.70

TH 11
FF 761.80

TUTHILL ROAD

BURLINGTON AVENUE

ST 1-11
ST 1-30
12" RCP - 10 LF @ 0.52%
ST 1-29
12" RCP - 94 LF @ 0.50%
ST 1-28
12" RCP - 55 LF @ 0.50%
ST 1-27
ST 1-8
ST 1-22A
12" RCP - 55 LF @ 0.51%
ST 1-22
RAISE RIM OF EXISTING MANHOLE
4" INSPECTION PORT (TYP)
12" RCP - 145 LF @ 0.50%
4" INSPECTION PORT (TYP)
FDC TO BE ON FIRE RISER ROOMS (TYP)
8" ROOF DRAIN CONNECTION
6" WATER MAIN STUB (TYP)
6" SANITARY STUB IE: 757.70
6" SANITARY STUB IE: 757.70
8" ROOF DRAIN CONNECTION
6" SANITARY STUB IE: 756.80
12" RCP - 23 LF @ 0.96%
24" GOLDFLO PIPE - 15 LF @ 0.52%
6' RESTRICTOR MANHOLE WITH WEIR WALL AND TWO ACCESS LIDS
24" RCP - 81 LF @ 0.50%
ST 1-7
C15
C14
CONNECT UNDERDRAIN POST-RESTRICTOR IE: 751.00
4" SOLID WALL UNDERDRAIN @ 0.0% SLOPE IE = 751.00
12" RCP - 43 LF @ 0.51%
C18
ST 1-9
18" RCP - 43 LF @ 0.28%
C17
ST 1-8B
18" RCP - 46 LF @ 0.28%
18" RCP - 41 LF @ 0.32%
C16
ST 1-8A
ST 1-9A
ST 1-10
12" RCP - 40 LF @ 0.49%
4" SOLID WALL UNDERDRAIN @ 0.0% SLOPE IE = 751.00
18" RCP - 43 LF @ 0.28%
C20
SMH 13
SMH 12
SMH 11
SMH 7
12" RCP - 61 LF @ 1.24%
C21
C40
C19
VB - 11
VB - 12
VB - 13
FH - 10
FH - 11
ST 1-23
45° BEND
8" X 8" X 6" TEE
8" X 8" X 6" TEE
8" X 8" X 6" TEE
ST 1-26
12" RCP - 25 LF @ 0.52%
12" RCP - 24 LF @ 1.02%
ST 1-24
ST 1-25
12" RCP - 260 LF @ 0.48%
PRESSURE CONNECTION TO EXISTING 16" WM
VV - 2
VV - 3
C24
C25
C26
C41
VB - 14
FH - 12
8" X 8" X 6" TEE
C42
8" X 8" X 6" TEE
10" RCP
10" RCP
10" Clay
8" Dia.
12" CMP
TBM5
Inv.=(763.05)
Inv.=(763.15)
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00

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FOR CONTINUATION SEE SHEET C5.4

KEY MAP
C5.1
C5.2
C5.3
C5.4

GRAPHIC SCALE
20 10 0 20
1" = 20'

REVISIONS

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1	09-04-25	REVISED PER CITY COMMENTS
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ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

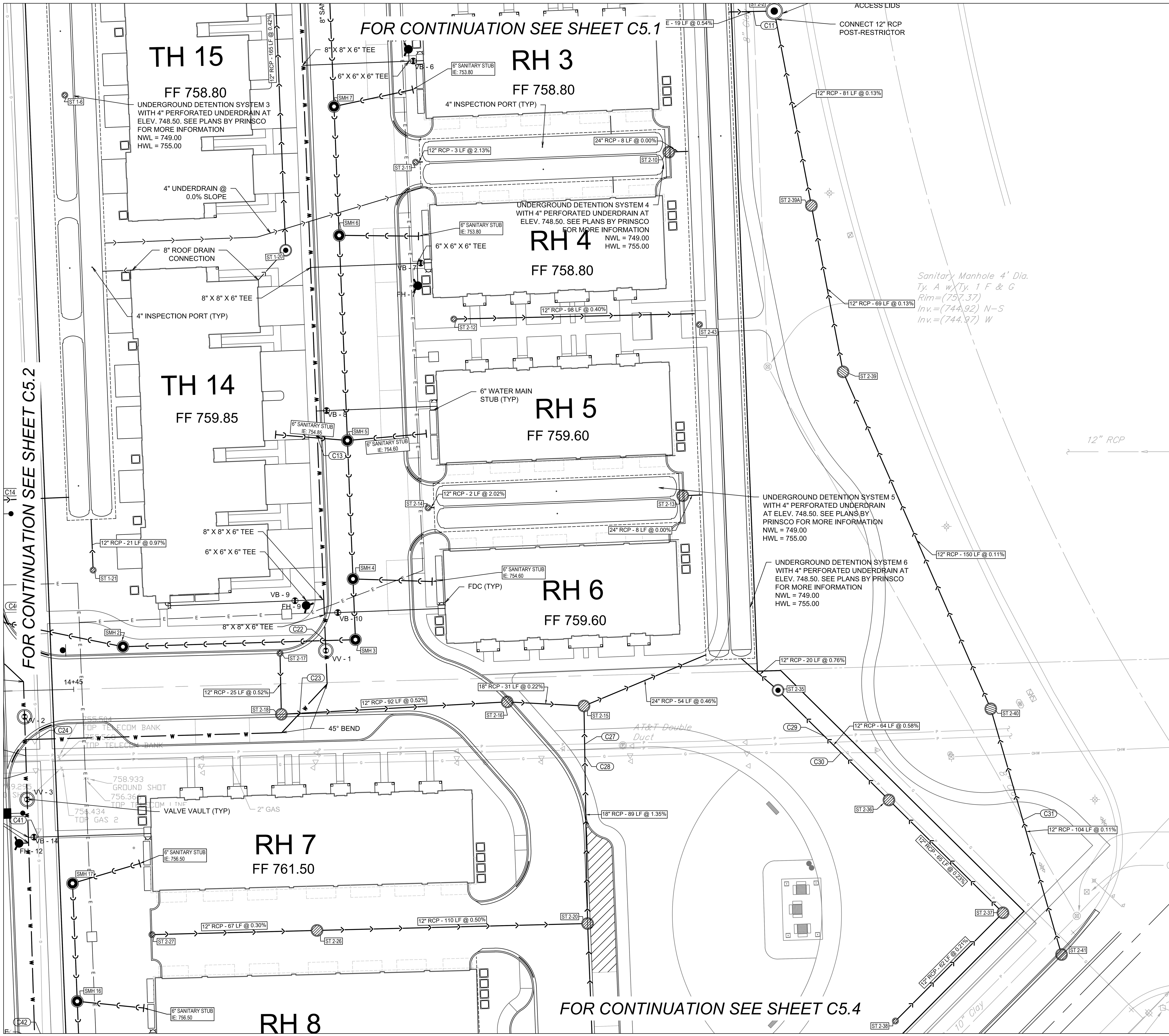
UTILITY PLAN - AREA 2

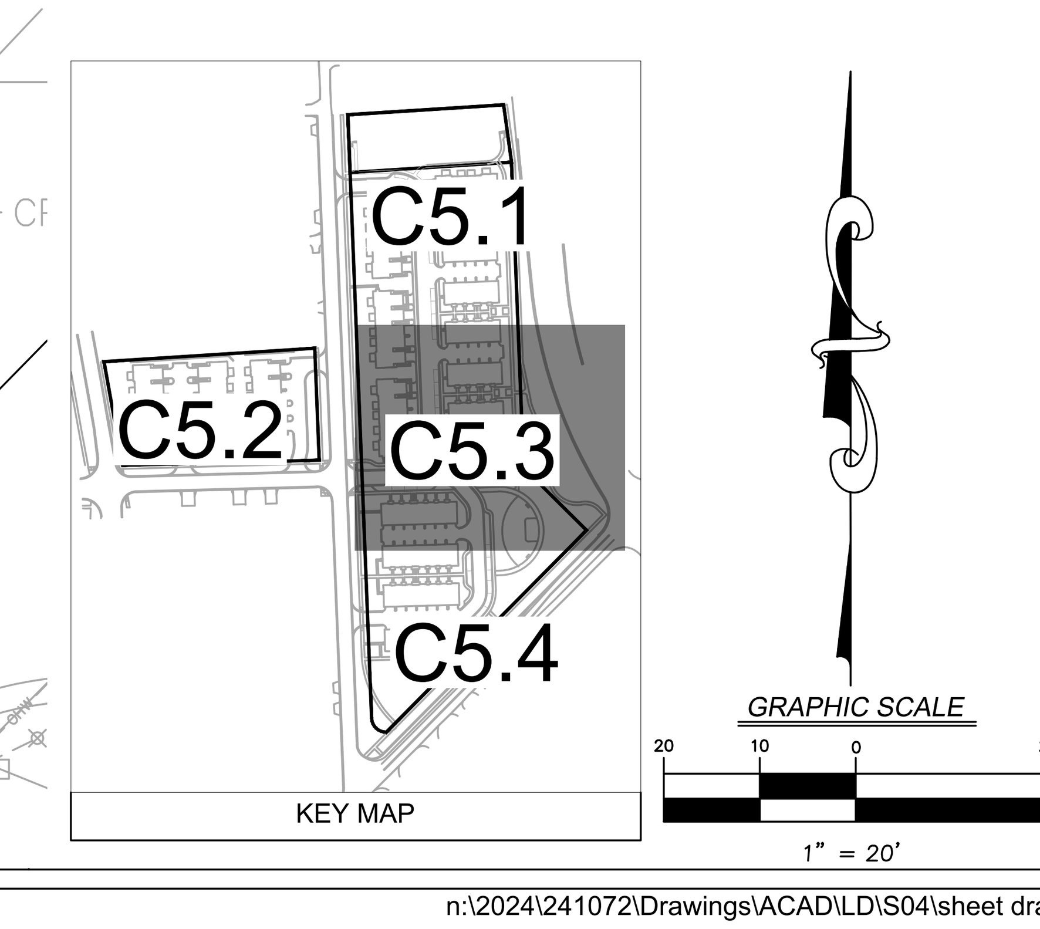
THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C5.2





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PROJECT NO.: 241072
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UTILITY PLAN - AREA 3

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

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DRAWING NO.
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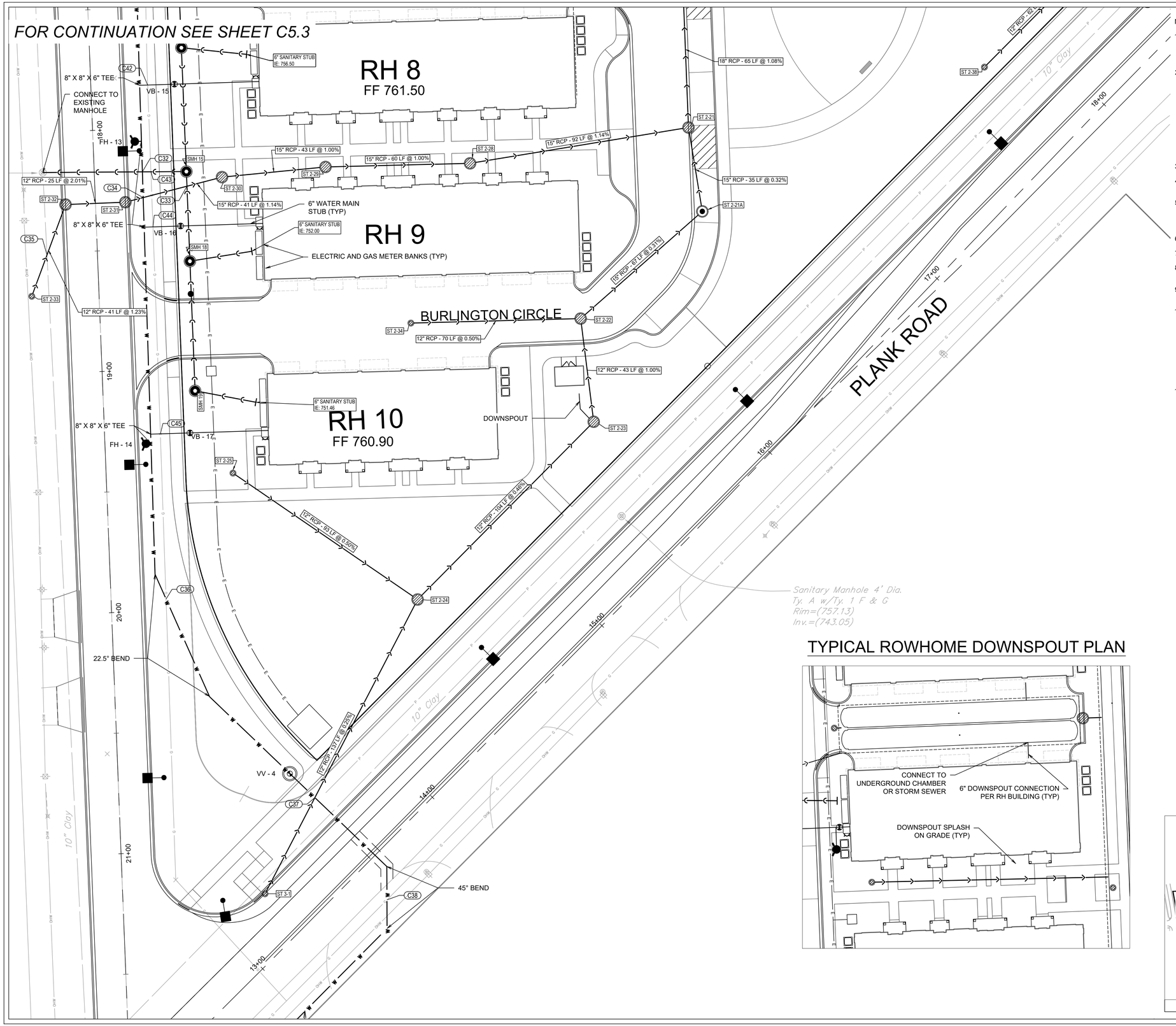

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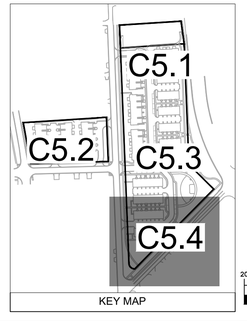
4. ALL SANITARY SERVICES FROM INDIVIDUAL BUILDINGS TO BE 6" PVC SDR 26.
5. ROOF DRAIN CONNECTIONS TO BE 6" FOR RH BUILDINGS AND 8" FOR TH BUILDINGS AT 1% MINIMUM SLOPE. SEE DOWNSPOUT DETAIL FOR RH ON 5.4 AND CONNECTOR DETAIL ON C7.2 FOR MORE INFORMATION.
6. PUBLIC WATER MAIN TO BE 8" DIP CL 52 WITH CEMENT LINING.
7. SHARED/PUBLIC SANITARY SEWER TO BE 8" PVC SDR 26.
8. 6" WATER SERVICES TO BE INSTALLED TO AVOID CONFLICTS WITH WET UTILITIES.
9. PROPOSED DRY UTILITIES TO BE INSTALLED TO AVOID CONFLICTS WITH WET UTILITIES.
10. BOTH THE WATERMAIN AND SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE OR PVC PIPE MEETING THE REQUIREMENTS OF SECTION 653.111 OF THE ILLINOIS ADMINISTRATIVE CODE WHEN THE WATERMAIN PASSES UNDER A SEWER DRAIN. A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATERMAIN SHALL BE MAINTAINED WHERE A WATERMAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATERMAIN.
11. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" (SEE VERTICAL SEPARATION DETAIL ON SHEET C7.3).
    - 11.a. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
    - 11.b. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
    - 11.c. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING (SEE VERTICAL SEPARATION DETAIL ON SHEET C7.3).

TYPICAL ROWHOME DOWNSPOUT PLAN



KEY MAP

GRAPHIC SCALE
20 10 0 20
1" = 20'

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

REVISIONS

ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

UTILITY PLAN - AREA 4

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C5.4

STORM STRUCTURE TABLE

STRUCTURE	DESCRIPTION	RIM	INVERT IN	INVERT OUT
FES 1-1	24" FES	RIM: 749.00	749.00 (24" S)	
FES 2-1	24" FES	RIM: 749.00		749.00 (24" SE)
ST 1-1	5' MH (Closed)	RIM: 756.08	749.10 (24" W) 750.25 (18" S)	749.10 (24" N)
ST 1-2	4' MH (Open)	RIM: 756.03	750.63 (15" SE)	750.38 (18" N)
ST 1-3	4' MH (Closed)	RIM: 757.18	750.70 (15" S)	750.70 (15" NW)
ST 1-4	4' MH (Open)	RIM: 756.36	751.30 (12" S)	751.05 (15" N)
ST 1-5	2' Inlet	RIM: 756.03		
ST 1-6	2' Inlet	RIM: 756.45		
ST 1-7	Restrictor Structure	RIM: 761.22	751.92 (24" W)	751.00 (24" E)
ST 1-8	4' MH (Closed)	RIM: 762.33	751.75 (18" W) 752.50 (12" N)	751.75 (18" E)
ST 1-8A	4' MH (Open)	RIM: 760.75	751.63 (18" W)	751.63 (18" E)
ST 1-8B	4' MH (Open)	RIM: 761.10	751.88 (18" W)	751.88 (18" E)
ST 1-9	4' MH (Open)	RIM: 760.90		
ST 1-9A	4' MH (Open)	RIM: 761.10	752.20 (12" W)	752.20 (12" E)
ST 1-10	4' MH (Open)	RIM: 761.20	752.42 (12" N)	752.42 (12" E)
ST 1-11	2' Inlet	RIM: 759.80		753.14 (12" S)
ST 1-12	5' MH (Closed)	RIM: 757.86	749.29 (24" S) 750.50 (18" NW)	749.29 (24" E)
ST 1-13	4' MH (Open)	RIM: 757.66	751.52 (18" W)	751.00 (18" SE)
ST 1-14	4' MH (Open)	RIM: 757.66	752.20 (18" S) 752.20 (18" NW)	751.78 (18" E)
ST 1-14A	4' MH (Open)	RIM: 757.00	752.30 (18" N)	752.30 (18" SE)
ST 1-14B	4' MH (Open)	RIM: ???		752.48 (18" S)
ST 1-14C	4' MH (Open)	RIM: 757.00		752.45 (18" N)
ST 1-15	5' MH (Closed)	RIM: 758.35	749.42 (24" S) 751.97 (12" E)	749.42 (24" N)
ST 1-16	2' Inlet	RIM: 755.81		752.00 (12" W)
ST 1-17	4' MH (Closed)	RIM: 758.74	749.57 (24" S)	749.57 (24" N)
ST 1-18	4' MH (Open)	RIM: 757.82	752.25 (12" N) 753.02 (12" SW)	749.11 (18" E)
ST 1-18A	2' Inlet	RIM: 755.00	753.10 (12" S)	753.10 (12" NE)
ST 1-18B	2' Inlet	RIM: 757.63		753.32 (12" N)
ST 1-18C	2' Inlet	RIM: 757.40		752.90 (12" S)
ST 1-19	4' MH (Open)	RIM: 757.82	749.06 (18" W)	749.06 (18" E)
ST 1-20	4' MH (Closed)	RIM: 758.71		752.00 (12" N)
ST 1-21	2' Inlet	RIM: 757.30		749.20 (12" N)
ST 1-22	4' MH (Open)	RIM: 760.00	751.50 (12" N)	
ST 1-22A	2' Inlet	RIM: ???		751.78 (12" S)
ST 1-23	4' MH (Open)	RIM: 761.87	752.75 (12" S)	752.75 (12" NW)
ST 1-24	4' MH (Open)	RIM: 761.72	753.00 (12" W)	753.00 (12" N)
ST 1-25	4' MH (Open)	RIM: 762.15	754.25 (12" N)	754.25 (12" E)
ST 1-26	4' MH (Open)	RIM: 762.15		754.38 (12" S)
ST 1-27	4' MH (Open)	RIM: 760.24	752.72 (12" N)	752.72 (12" S)
ST 1-28	4' MH (Open)	RIM: 759.60	752.90 (12" N)	752.90 (12" S)
ST 1-29	2' Inlet	RIM: 757.60		753.32 (12" S)
ST 1-30	2' Inlet	RIM: 760.90		752.05 (12" S)
ST 2-1	5' MH (Closed)	RIM: 755.45	748.38 (24" S)	
ST 2-2	Restrictor Structure	RIM: 757.25	749.65 (24" W) 748.50 (12" S)	748.50 (24" N)

STORM STRUCTURE TABLE

STRUCTURE	DESCRIPTION	RIM	INVERT IN	INVERT OUT
ST 2-3	4' MH (Open)	RIM: 755.50	749.00 (24" N)	749.00 (24" S)
ST 2-4	4' MH (Open)	RIM: 755.10	749.00 (24" NW)	749.00 (24" S)
ST 2-5	4' MH (Open)	RIM: 755.75	750.26 (12" W)	749.79 (12" E)
ST 2-6	2' Inlet	RIM: 755.75		750.77 (12" E)
ST 2-7	4' MH (Open)	RIM: 756.70	750.74 (12" W)	749.79 (12" E)
ST 2-8	2' Inlet	RIM: 756.60		751.24 (12" E)
ST 2-9	2' Inlet	RIM: 756.71		750.25 (12" E)
ST 2-10	4' MH (Open)	RIM: 757.49		749.75 (24" E)
ST 2-11	2' Inlet	RIM: 757.50		749.81 (12" E)
ST 2-12	2' Inlet	RIM: 757.51		750.14 (12" E)
ST 2-13	4' MH (Open)	RIM: 758.10		749.75 (24" E)
ST 2-14	2' Inlet	RIM: 758.10		749.80 (12" E)
ST 2-15	4' MH (Open)	RIM: 758.28	749.75 (18" W) 749.55 (18" S)	749.25 (24" NE)
ST 2-16	4' MH (Open)	RIM: 757.90	750.32 (12" W)	749.82 (18" E)
ST 2-17	2' Inlet	RIM: 758.30		750.93 (12" S)
ST 2-18	4' MH (Open)	RIM: 758.30	750.80 (12" N)	750.80 (12" E)
ST 2-20	4' MH (Open)	RIM: 758.50	753.00 (12" W) 750.90 (18" S)	750.75 (18" N)
ST 2-21	4' MH (Open)	RIM: 758.45	751.70 (15" W) 752.20 (15" S)	751.60 (18" N)
ST 2-21A	4' MH (Closed)	RIM: 758.86	752.31 (15" SW)	752.31 (15" N)
ST 2-22	4' MH (Open)	RIM: 759.50	752.57 (12" S) 752.77 (12" W)	752.52 (15" NE)
ST 2-23	4' MH (Open)	RIM: 758.11	753.10 (12" SW)	753.00 (12" N)
ST 2-24	4' MH (Open)	RIM: 757.75	753.60 (12" NW) 753.60 (12" SW)	753.58 (12" NE)
ST 2-25	2' Inlet	RIM: 759.50		754.06 (12" SE)
ST 2-26	4' MH (Open)	RIM: 760.40	754.80 (12" W)	753.55 (12" E)
ST 2-27	2' Inlet	RIM: 760.40		755.00 (12" E)
ST 2-28	4' MH (Open)	RIM: 759.91	752.75 (15" W)	752.75 (15" E)
ST 2-29	4' MH (Open)	RIM: 759.92	753.35 (15" W)	753.35 (15" E)
ST 2-30	4' MH (Open)	RIM: 760.45	753.78 (15" W)	753.78 (15" E)
ST 2-31	4' MH (Open)	RIM: 761.13	754.50 (12" W)	754.25 (15" E)
ST 2-32	4' MH (Open)	RIM: 761.13	756.00 (12" S)	755.00 (12" E)
ST 2-33	2' Inlet	RIM: 760.50		756.50 (12" N)
ST 2-34	2' Inlet	RIM: 759.50		753.12 (12" E)
ST 2-35	4' MH (Closed)	RIM: 758.17	750.10 (12" SE)	749.90 (12" NW)
ST 2-36	4' MH (Open)	RIM: 755.50	750.47 (12" SE)	750.47 (12" NW)
ST 2-37	4' MH (Open)	RIM: 754.75	750.62 (12" SW)	750.62 (12" NW)
ST 2-38	2' Inlet	RIM: 755.50		750.75 (12" NE)
ST 2-39	4' MH (Open)	RIM: 754.30	748.70 (12" SE)	748.70 (12" N)
ST 2-39A	4' MH (Open)	RIM: ???	748.61 (12" S)	748.61 (12" N)
ST 2-40	4' MH (Open)	RIM: 754.30	748.87 (12" S)	748.87 (12" NW)
ST 2-41	4' MH (Open)	RIM: 753.35		748.98 (12" N)
ST 2-42	2' Inlet	RIM: 756.70		
ST 2-43	2' Inlet	RIM: 757.60		
ST 3-1	2' Inlet	RIM: 757.19		753.94 (12" NE)

WATER STRUCTURE TABLE

STRUCTURE NAME	STRUCTURE DESCRIPTION	RIM GRADE
FH - 1	FH	F/G: 758.05
FH - 2	FH	F/G: 757.22
FH - 3	FH	F/G: 757.05
FH - 4	FH	F/G: 757.46
FH - 5	FH	F/G: 757.55
FH - 7	FH	F/G: 758.18
FH - 9	FH	F/G: 759.14
FH - 10	FH	F/G: 763.51
FH - 11	FH	F/G: 762.89
FH - 12	FH	F/G: 761.82
FH - 13	FH	F/G: 761.69
FH - 14	FH	F/G: 762.52
FH - 15	FH	F/G: 754.38
FH - 16	FH	F/G: 753.33
VB - 1	VB	F/G: 757.51
VB - 2	VB	F/G: 756.46
VB - 3	VB	F/G: 757.15
VB - 4	VB	F/G: 757.44
VB - 5	VB	F/G: 756.94
VB - 6	VB	F/G: 757.56
VB - 7	VB	F/G: 758.24
VB - 8	VB	F/G: 758.76
VB - 9	VB	F/G: 759.17
VB - 10	VB	F/G: 758.60
VB - 11	VB	F/G: 763.29
VB - 12	VB	F/G: 763.23
VB - 13	VB	F/G: 762.99
VB - 14	VB	F/G: 761.44
VB - 15	VB	F/G: 761.78
VB - 16	VB	F/G: 762.06
VB - 17	VB	F/G: 762.51
VV - 1	VV	F/G: 758.50
VV - 2	VV	F/G: 761.31
VV - 3	VV	F/G: 762.01
VV - 4	VV	F/G: 758.61
VV - 5	VV	F/G: 754.13
VV - 6	VV	F/G: 763.28

UTILITY CROSSINGS

C01 18" STM B/P 750.56 W/WM PROTECTION
8" WM T/P 749.15

C02 EX. GAS B/P 754.45 CONTRACTOR TO F.V.
18" STM T/P 751.91

C03 EX. GAS B/P 752.14 CONTRACTOR TO F.V.
8" WM T/P 750.64

C04 24" STM B/P 748.75 W/WM PROTECTION
8" WM T/P 747.25

C05 18" STM B/P 750.17 W/WM PROTECTION
8" WM T/P 748.67

C06 6" SAN B/P 753.01
15" STM 752.16

C07 6" SAN B/P 752.91 W/WM PROTECTION
8" WM T/P 751.41

C08 6" SAN B/P 753.71
12" STM T/P 752.53

C09 6" SAN B/P 753.61 W/WM PROTECTION
8" WM T/P 751.96

C10 4" STM B/P 748.48
EX. 8" SAN T/P 746.30

C11 24" STM B/P 748.70
EX. 8" SAN T/P 746.27

C12 EX. GAS B/P 754.33 CONTRACTOR TO F.V.
18" STM T/P 750.74

C13 6" SAN B/P 754.65 W/WM PROTECTION
8" WM T/P 753.15

C14 EX. GAS B/P 754.78 CONTRACTOR TO F.V.
24" STM T/P 752.93

C15 24" STM B/P 750.67
EX. 8" SAN T/P 747.40 CONTRACTOR TO F.V.

C16 6" SAN B/P 756.62
24" STM T/P 753.75

C17 6" SAN B/P 757.54
24" STM T/P 753.75

C18 6" SAN B/P 757.50
12" STM T/P 752.80

C19 EX. GAS B/P 758.16 CONTRACTOR TO F.V.
8" WM T/P 756.66

C20 8" SAN B/P 765.02
12" STM T/P 753.04

C21 12" STM B/P 751.93 W/WM PROTECTION
8" WM T/P 750.43

C22 8" SAN B/P 749.72 W/ WM PROTECTION
8" WM T/P 748.22

C23 12" STM B/P 750.59 W/WM PROTECTION
8" WM T/P 748.82

C24 EX. GAS B/P 756.22 CONTRACTOR TO F.V.
8" WM T/P 754.72

C25 EX. TELE B/P 754.86 CONTRACTOR TO F.V.
8" WM T/P 753.36

C26 EX. 2" GAS B/P 756.86 CONTRACTOR TO F.V.
8" WM T/P 753.98

C27 EX. TELE B/P 752.87 CONTRACTOR TO F.V.
15" STM T/P 751.37

C28 EX. 2" GAS B/P 752.68 CONTRACTOR TO F.V.
15" STM T/P 751.18

C29 EX. TELE B/P 752.29 CONTRACTOR TO F.V.
15" STM T/P 750.79

C30 EX. 2" GAS B/P 752.98 CONTRACTOR TO F.V.
15" STM T/P 750.82

C31 12" STM B/P 748.75
EX. 8" SAN T/P 744.67 CONTRACTOR TO F.V

C32 8" WM B/P 756.38
8" SAN T/P 752.13

C33 15" STM B/P 753.76
8" SAN T/P 752.26

C34 15" STM B/P 753.97 W/WM PROTECTION
8" WM T/P 748.47

C35 12" STM B/P 756.10
EX. 10" SAN T/P 746.17 CONTRACTOR TO F.V.

C36 EX. 2" GAS B/P 760.26 CONTRACTOR TO F.V.
8" WM T/P 757.84

C37 12" STM B/P 753.46 W/WM PROTECTION
8" WM T/P 751.96

C38 EX. 8" GAS B/P 752.48 CONTRACTOR TO F.V.
8" WM T/P 750.86

C39 EX. 8" GAS B/P 747.80 CONTRACTOR TO F.V.
8" WM T/P 745.61

C40 EX. 8" GAS B/P 755.63 CONTRACTOR TO F.V.
8" SAN T/P 749.84

C41 EX. 8" GAS B/P 755.68 CONTRACTOR TO F.V.
6" WM T/P 754.18

C42 EX. 8" GAS B/P 756.21 CONTRACTOR TO F.V.
6" WM T/P 754.71

C43 EX. 8" GAS B/P 756.21 CONTRACTOR TO F.V.
8" SAN T/P 752.14

C44 EX. 8" GAS B/P 756.33 CONTRACTOR TO F.V.
6" WM T/P 754.83

C45 EX. 8" GAS B/P 757.18 CONTRACTOR TO F.V.
6" WM T/P 755.68

DPU-E TO DESIGN AND INSTALL ELECTRIC LINES.
ELECTRIC LINES TO HAVE A MINIMUM 12" SEPARATION FROM
EXISTING NICOR GAS MAINS.

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

STRUCTURE TABLES AND UTILITY CROSSINGS

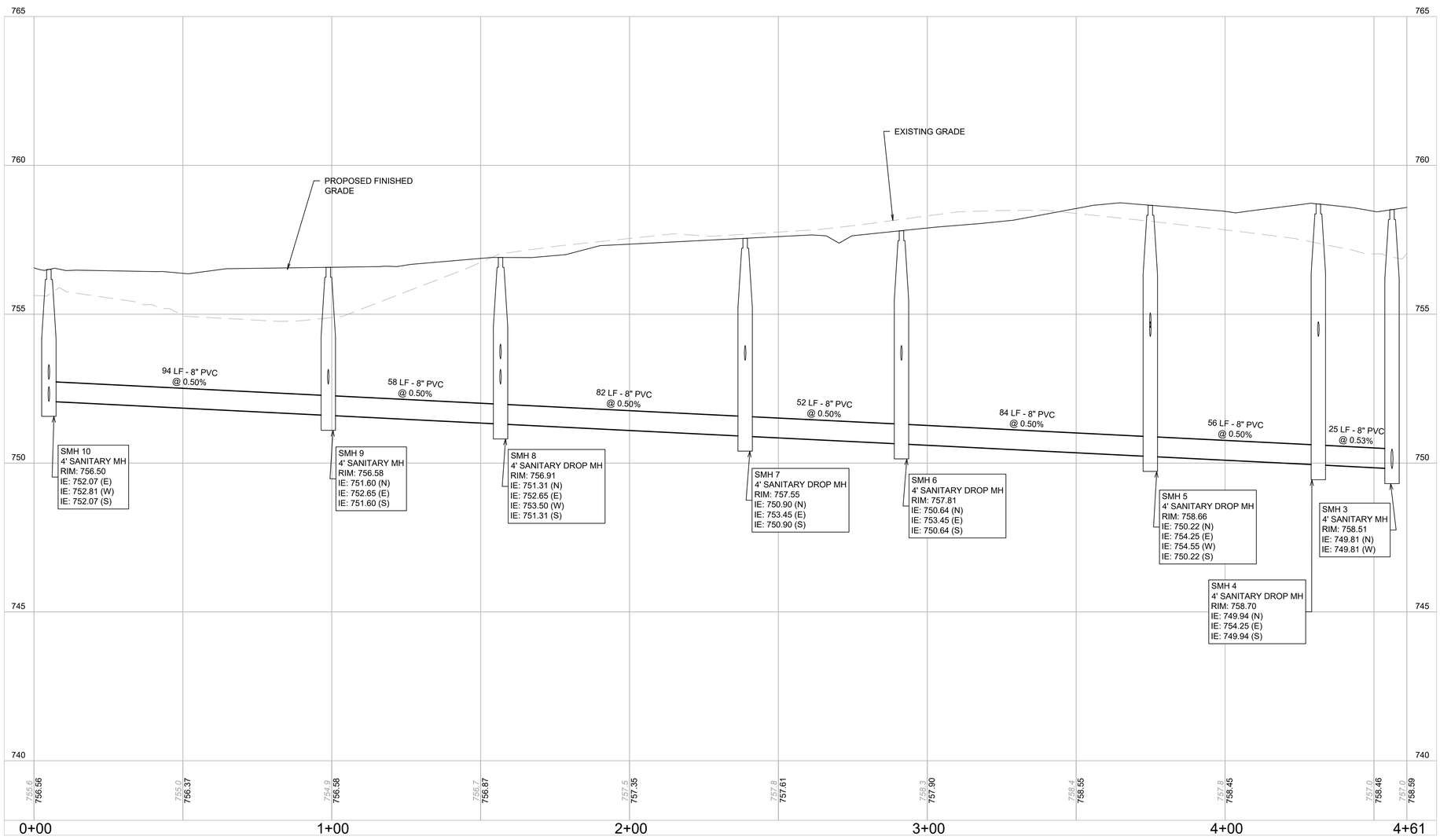
THE RESIDENCES AT

NAPERVILLE NAPER AND PLANK ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

C5.5



SANITARY SEWER PROFILE SMH 10 TO SMH 3

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
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SANITARY SEWER PROFILES

THE RESIDENCES AT NAPER AND PLANK

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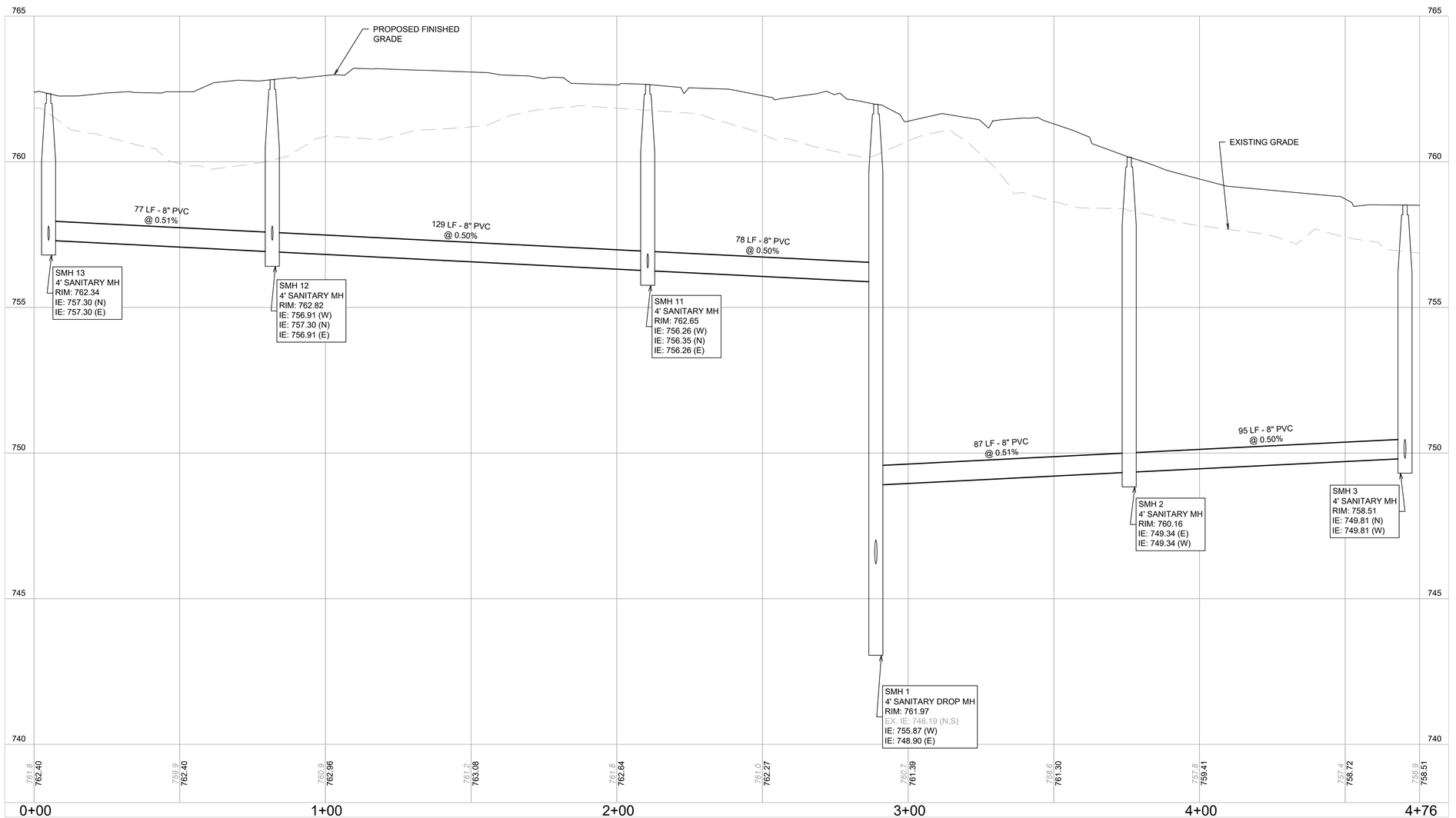
DRAWING NO.

C5.6



SANITARY SEWER PROFILE SMH 13 TO SMH 3

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

ORIGINAL ISSUE DATE: JULY 28, 2025

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SANITARY SEWER PROFILES

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

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Woodridge, IL 60517
630.724.9200 phone
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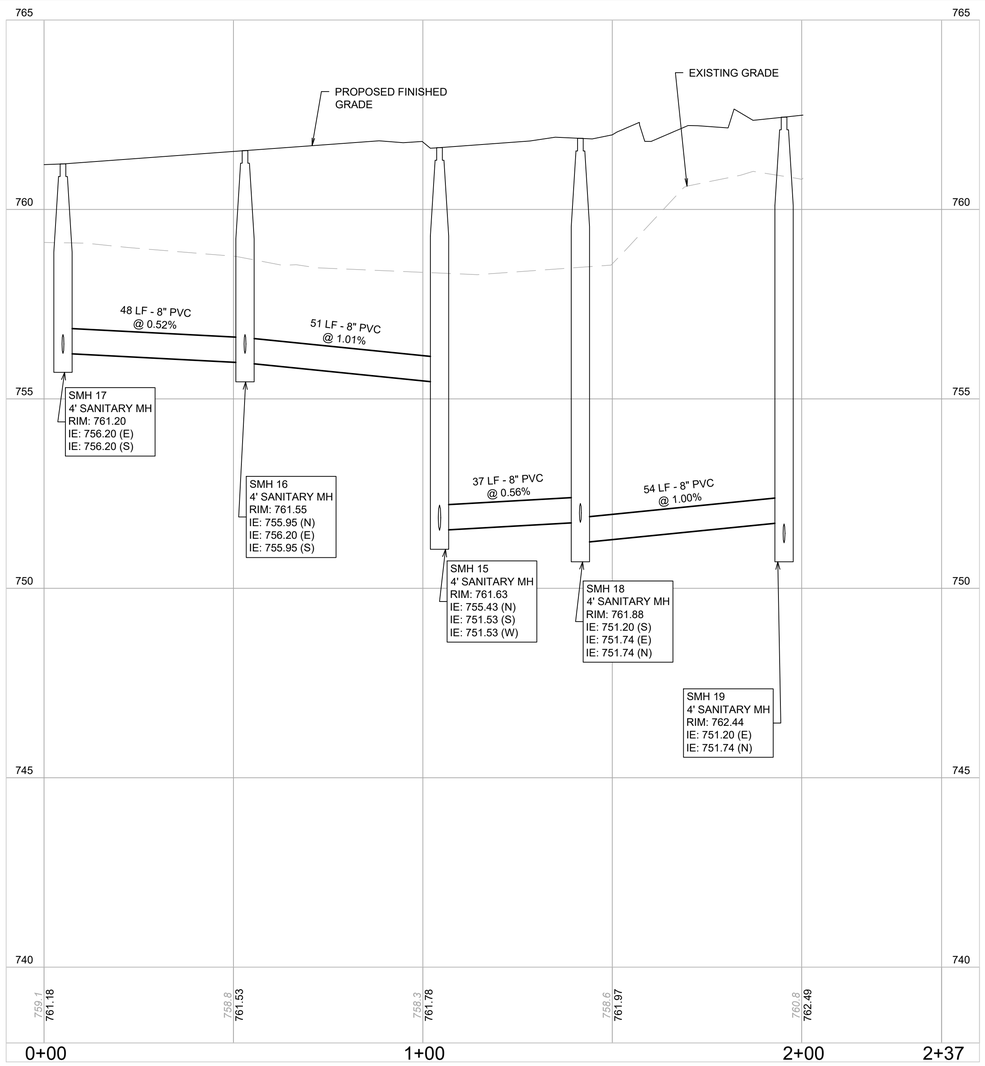
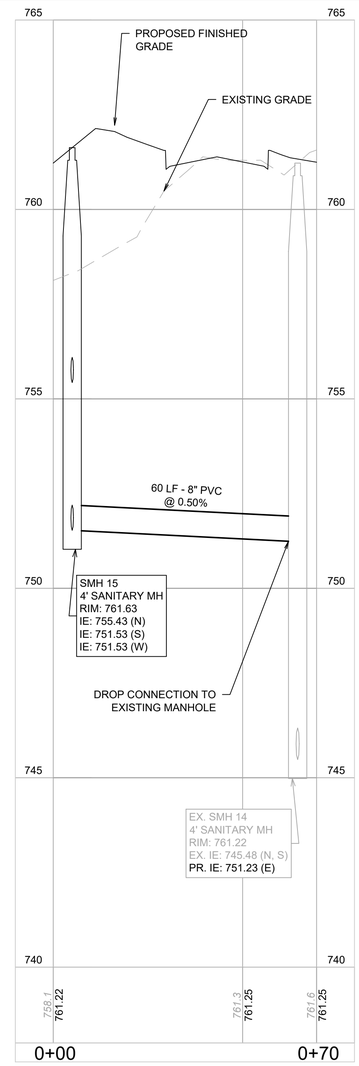
DRAWING NO.

C5.7



SANITARY SEWER PROFILE SMH 17 TO SMH 19

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



SANITARY SEWER PROFILE SMH 15 TO EX. SMH 14

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO.: 241072
PROJECT MANAGER: DF
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SANITARY SEWER PROFILES

THE RESIDENCES AT NAPER AND PLANK

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Woodridge, IL 60517
630.724.9200 phone
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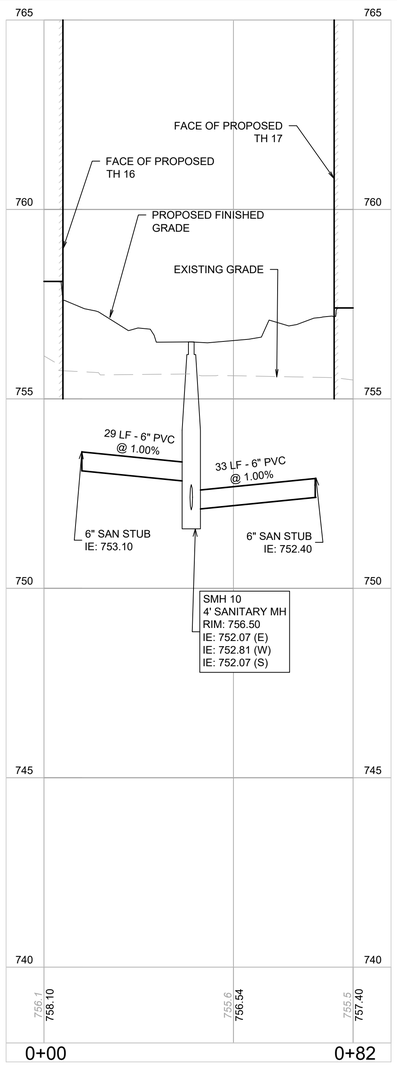
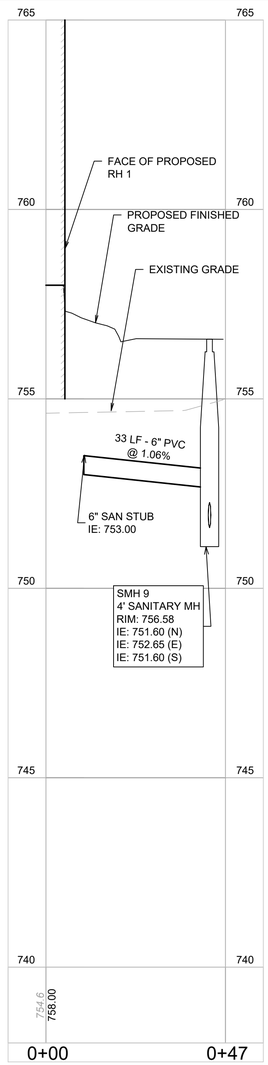
DRAWING NO.

C5.8



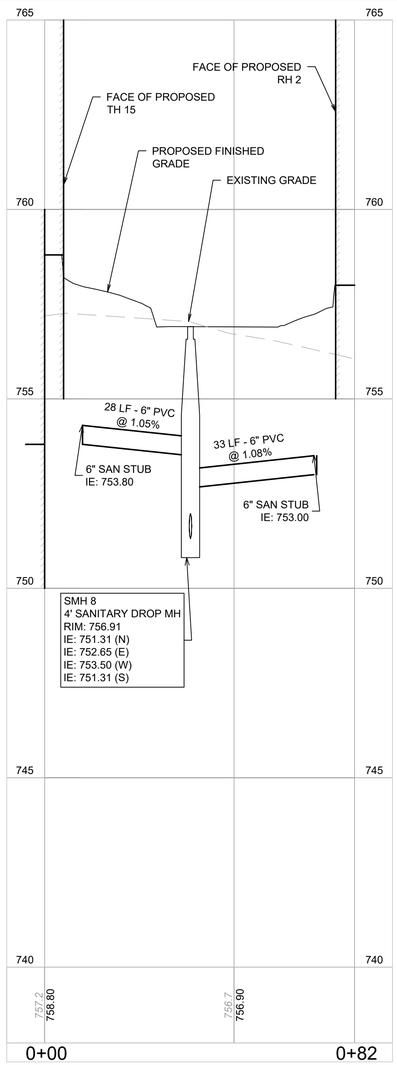
SANITARY SERVICE PROFILE TH 16 TO TH 17

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



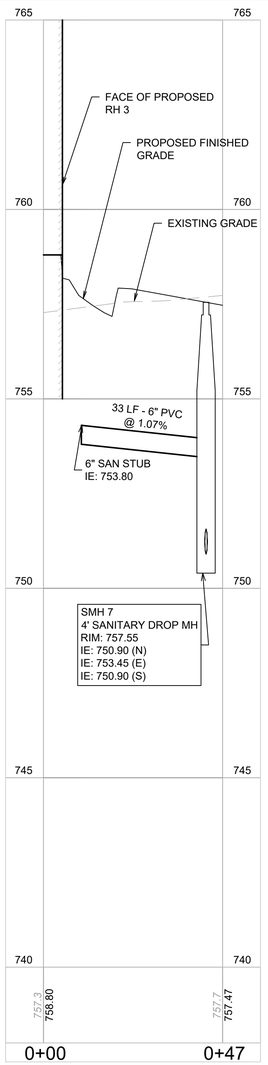
SANITARY SERVICE PROFILE RH 1 TO SMH 9

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



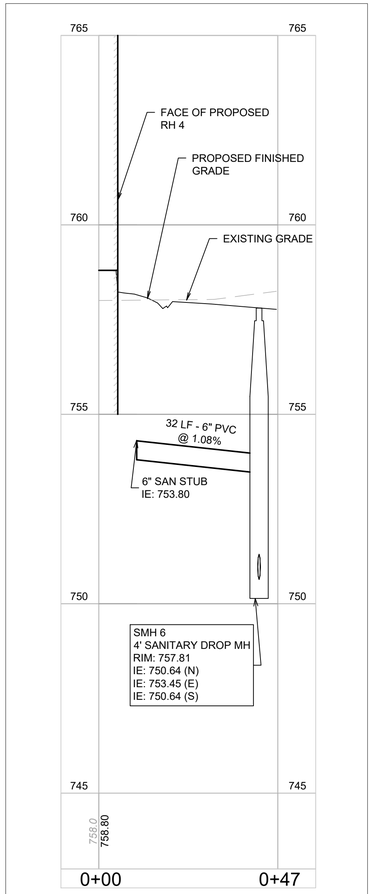
SANITARY SERVICE PROFILE TH 15 TO RH 2

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



SANITARY SERVICE PROFILE RH 3 TO SMH 7

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



SANITARY SERVICE PROFILE RH 4 TO SMH 6

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

SANITARY SERVICE PROFILES

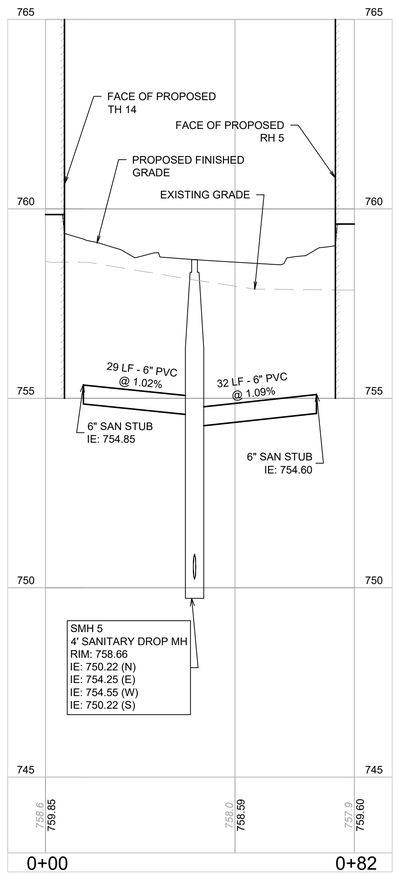
THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

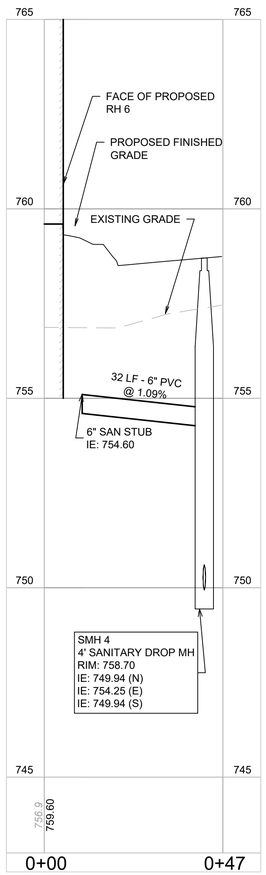
DRAWING NO.

C5.9



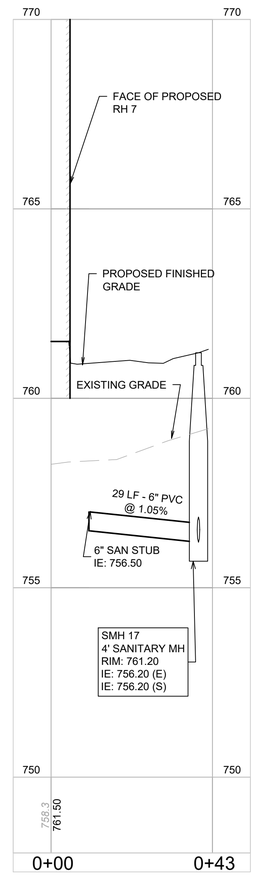
SANITARY SERVICE PROFILE TH 14 TO RH 5

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



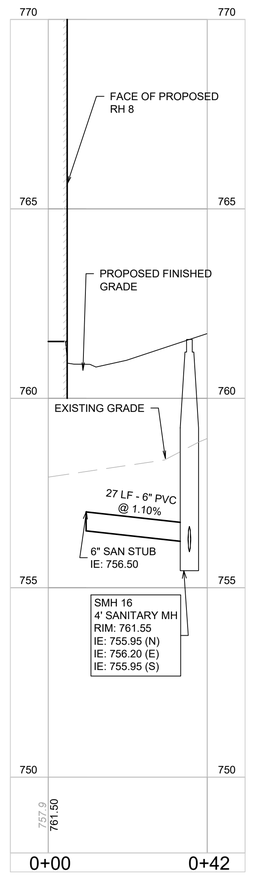
SANITARY SERVICE PROFILE RH 6 TO SMH 4

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



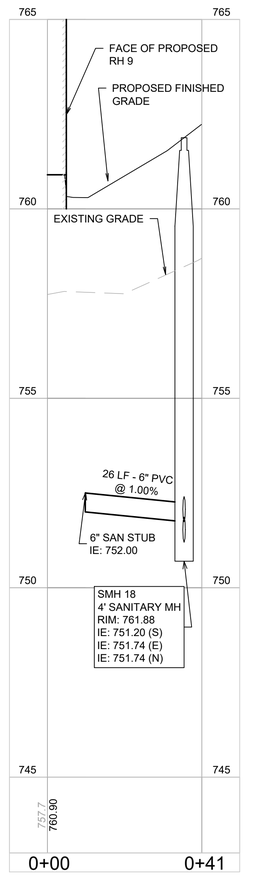
SANITARY SERVICE PROFILE RH 7 TO SMH 17

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



SANITARY SERVICE PROFILE RH 8 TO SMH 16

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



SANITARY SERVICE PROFILE RH 9 TO SMH 18

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
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ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

SANITARY SERVICE PROFILES

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

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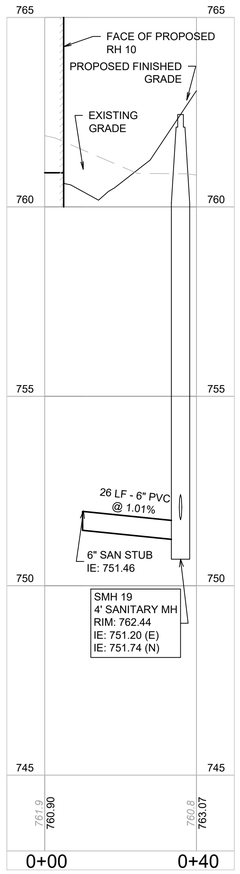
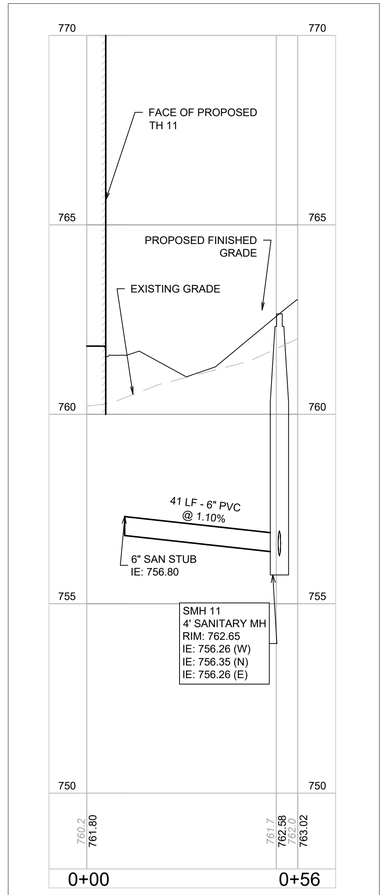
DRAWING NO.

C5.10



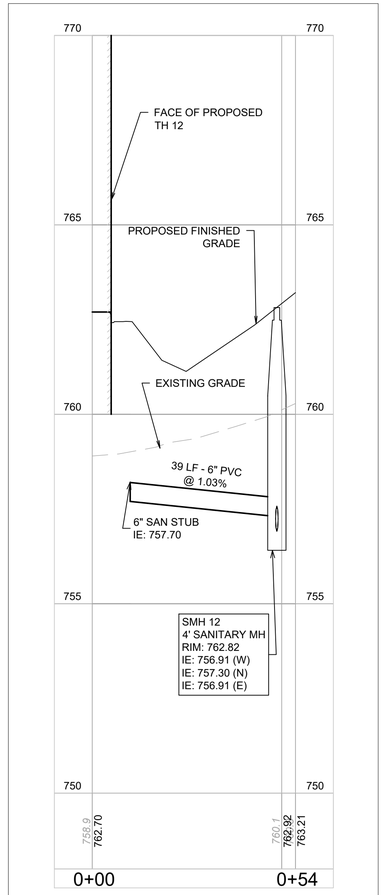
SANITARY SERVICE PROFILE RH 10 TO SMH 19

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



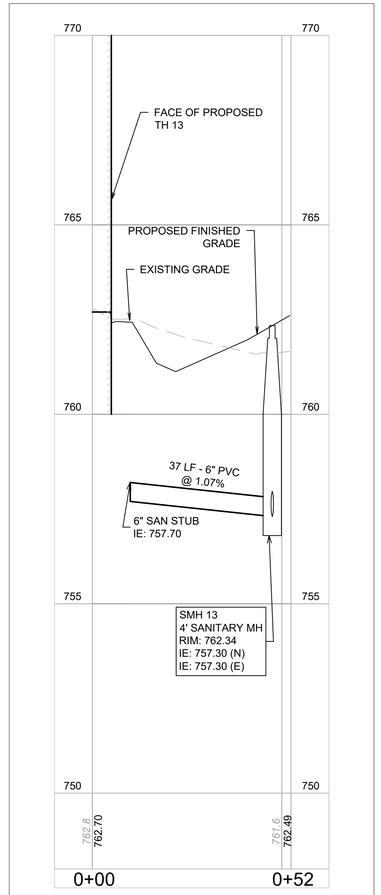
SANITARY SERVICE PROFILE TH 11 TO SMH 11

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



SANITARY SERVICE PROFILE TH 12 TO SMH 12

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



SANITARY SERVICE PROFILE TH 13 TO SMH 13

SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

PROJECT NO.: 241072
ORIGINAL ISSUE DATE: JULY 28, 2025
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

SANITARY SERVICE PROFILES

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 James Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

C5.11

NOTES:

1. CONTRACTOR TO PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS AS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.

REMOVE VEGETATION WITHIN RIGHT-OF-WAY AS NECESSARY TO INSTALL WATERMAIN

REPAIR DRIVEWAY AFTER INSTALLATION

SAWCUT (TYP)

REPAIR ROADWAY AFTER INSTALLATION. MATCH EXISTING ROAD SECTION.

ASPHALT BUTT CONNECTION

WATER MAIN INSTALLATION WITHIN TOWNSHIP ROADWAY TO BE APPROVED BY LISLE TOWNSHIP

CONNECT TO EXISTING 8" WM STUB

8" WM

TUTHILL ROAD

TH 16

FF 758.1

Inv.=(756.23)

Inv.=(756.13)

Inv.=(756.39)

Inv.=(756.85)

12" DIP

18" CMP

Storm Manhole 4' Dia. Ty. A w/Ty. 1 F & G Rim=(758.47) Inv.=(754.82)

Inlet w/13" Open Grate Rim=(756.85) Inv.=(753.75) w/Vertical 15" CMP

Sanitary Manhole 4' Dia. Tx. A w/Tx. 1 F & G Rim=(757.79) Inv.=(747.79)

8+00 9+00 10+00 11+00 12+00 13+00

FOR CONTINUATION SEE SHEET C6.1

GRAPHIC SCALE

20 10 0 20

1" = 20'

PVI STA. 10+10.34
PVI ELEV 758.12

LP STA 10+67.82
LP ELEV 757.91
PVI STA. 10+75.97
PVI ELEV 757.79
LVC = 75'

HP STA. 12+07.47
HP ELEV 758.70
PVI STA. 12+13.10
PVI ELEV 758.87
LVC = 75'

LP STA 13+01.29
LP ELEV 758.14
PVI STA. 12+99.30
PVI ELEV 757.95
LVC = 75'

BVCS = 10+38.47
BVCE = 757.98

EVCS = 11+13.47
EVCE = 758.09

BVCS = 11+75.60
BVCE = 758.57

EVCS = 12+50.60
EVCE = 758.47

BVCS = 12+61.80
BVCE = 758.35

PROPOSED GRADE

EXISTING GRADE

-0.50%

0.78%

-1.06%

5.5' MIN. COVER

PROPOSED 8" PUBLIC WATERMAIN

765 760 755 750

758.3 758.7 758.8 758.7 758.3 757.9 757.93 757.9 757.99 758.3 758.37 758.6 758.69 758.2 758.47 757.9 758.14

8+00 9+00 10+00 11+00 12+00 13+00

GRAPHIC SCALE

HORIZONTAL: 0 10 20 (IN FEET)

VERTICAL: 0 1 2 (IN FEET)

REVISIONS

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ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO: 241072

PROJECT MANAGER: DF

DESIGNED BY: NB

DRAWN BY: RI

TUTHILL ROAD PLAN & PROFILE STA. 8+00 TO STA. 13+00

THE RESIDENCES AT NAPERVILLE

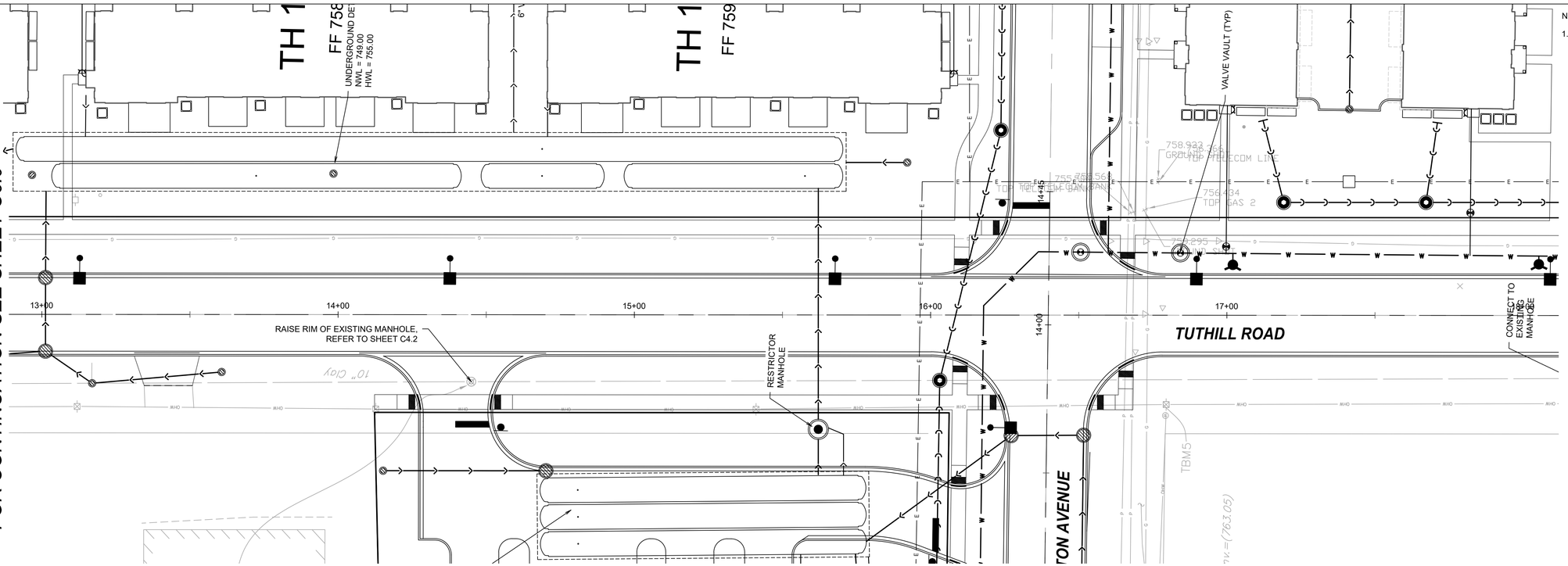
NAPER AND PLANK

ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

C6.0



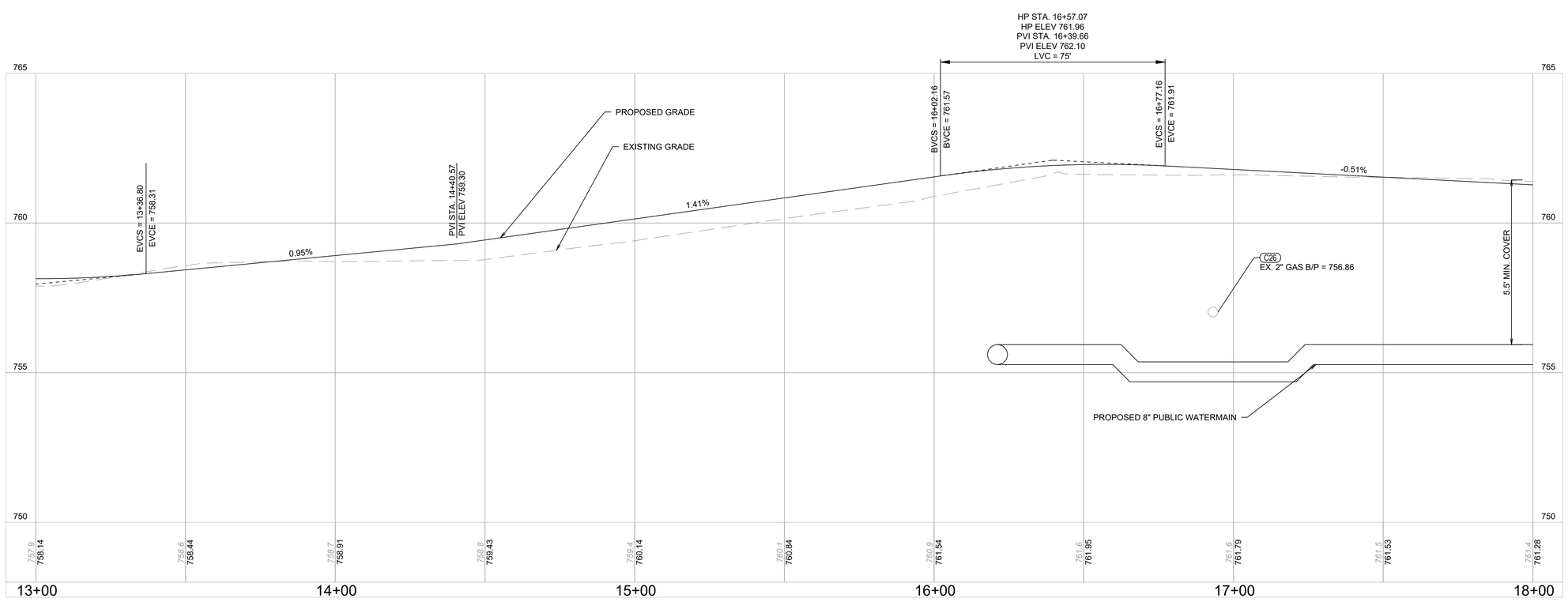
NOTES:

1. CONTRACTOR TO PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS AS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.

GRAPHIC SCALE

20 10 0 20

1" = 20'



GRAPHIC SCALE

HORIZONTAL: 0 10 20 (IN FEET)

VERTICAL: 0 1 2 (IN FEET)

REVISIONS			
NO.	DATE	DESCRIPTION	
1	09-04-25	REVISED PER CITY COMMENTS	
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ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO.: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

TUTHILL ROAD PLAN & PROFILE STA. 13+00 TO STA. 18+00

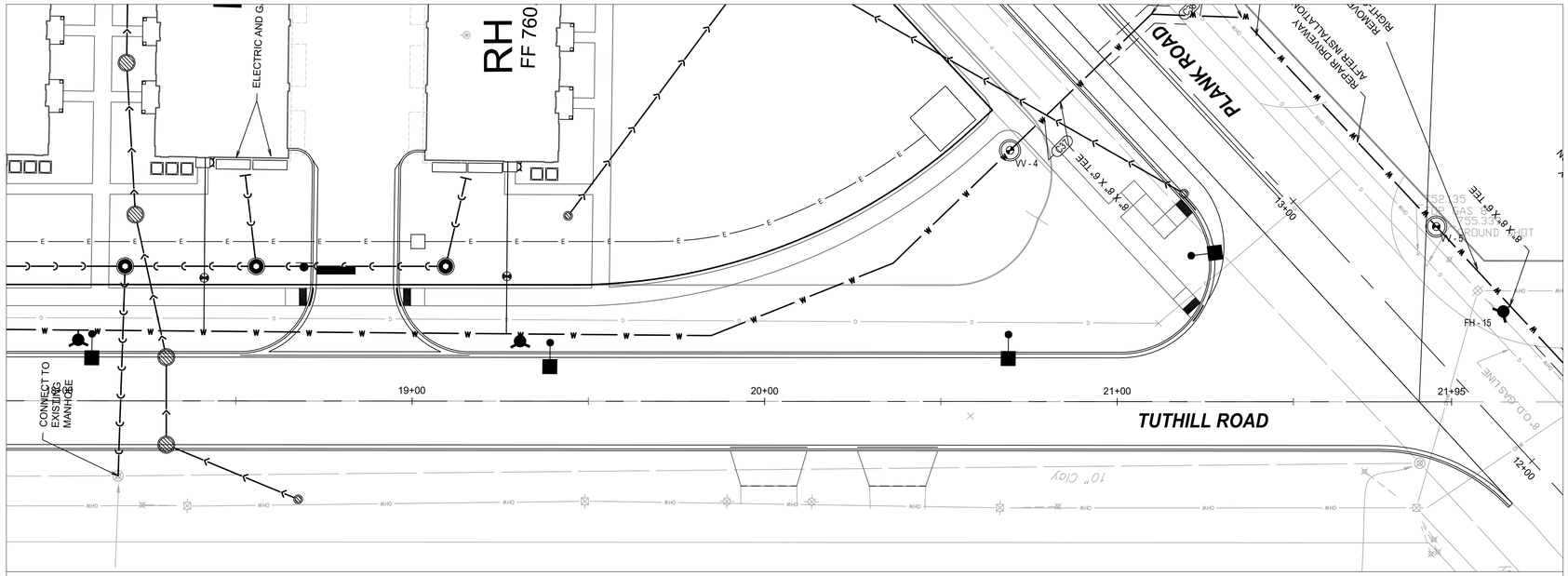
THE RESIDENCES AT NAPERVILLE NAPER AND PLANK ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

C6.1

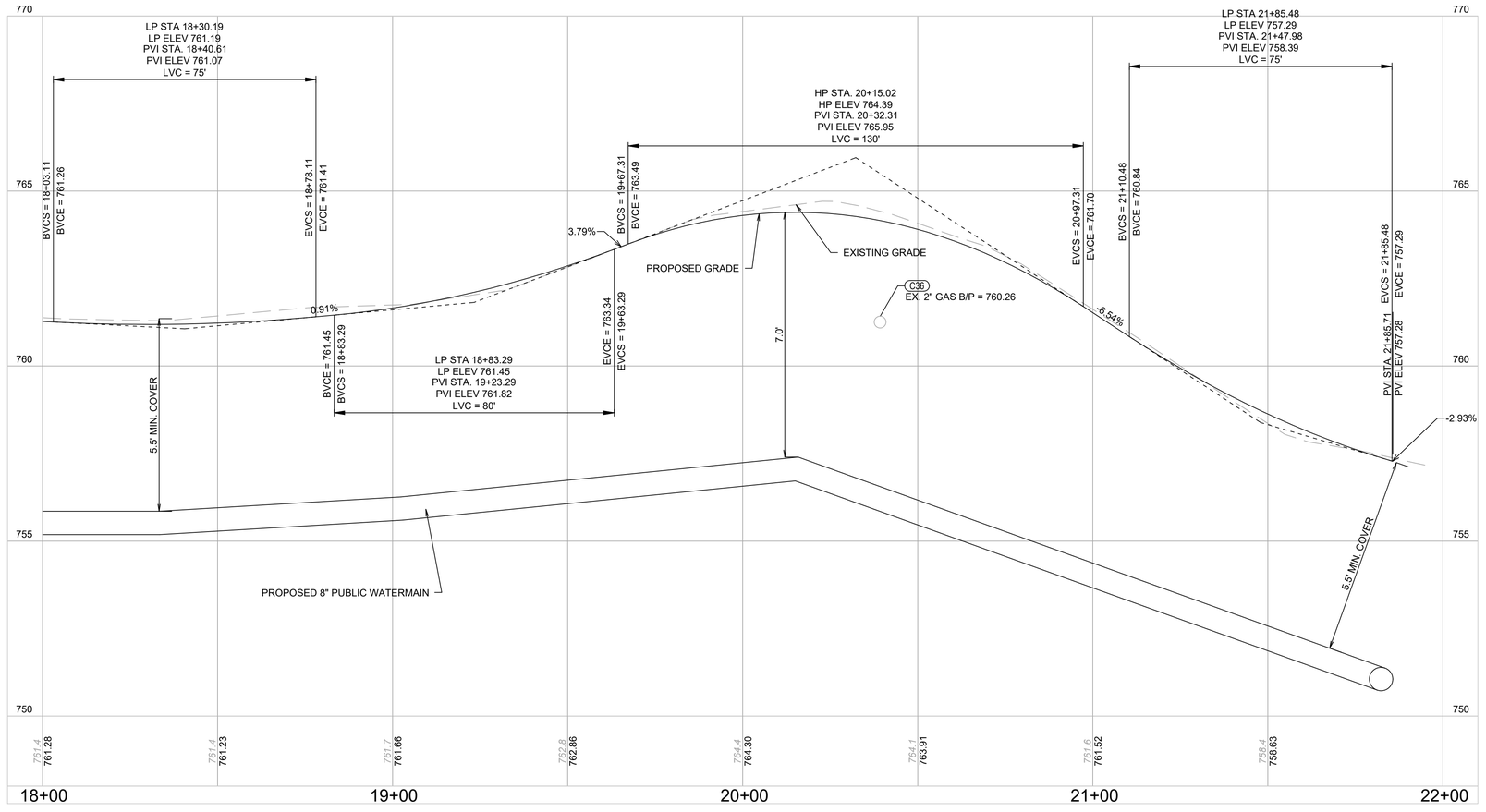
FOR CONTINUATION SEE SHEET C6.1



FOR CONTINUATION SEE SHEET C6.4

NOTES:

1. CONTRACTOR TO PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS AS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.



GRAPHIC SCALE

20 10 0 20

1" = 20'

GRAPHIC SCALE

HORIZONTAL: 0 10 20 (IN FEET)

VERTICAL: 0 1 2 (IN FEET)

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

TUTHIL ROAD PLAN & PROFILE
STA. 18+00 TO STA. 22+00
THE RESIDENCES AT
NAPERVILLE NAPER AND PLANK
ILLINOIS

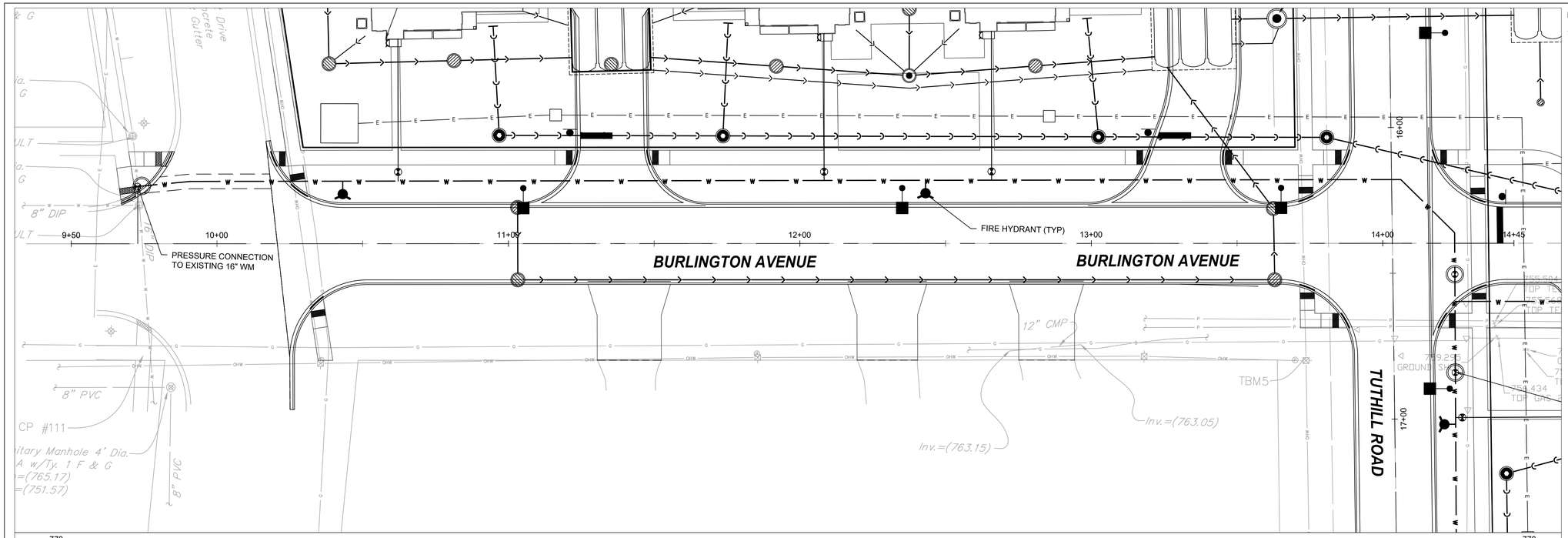
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

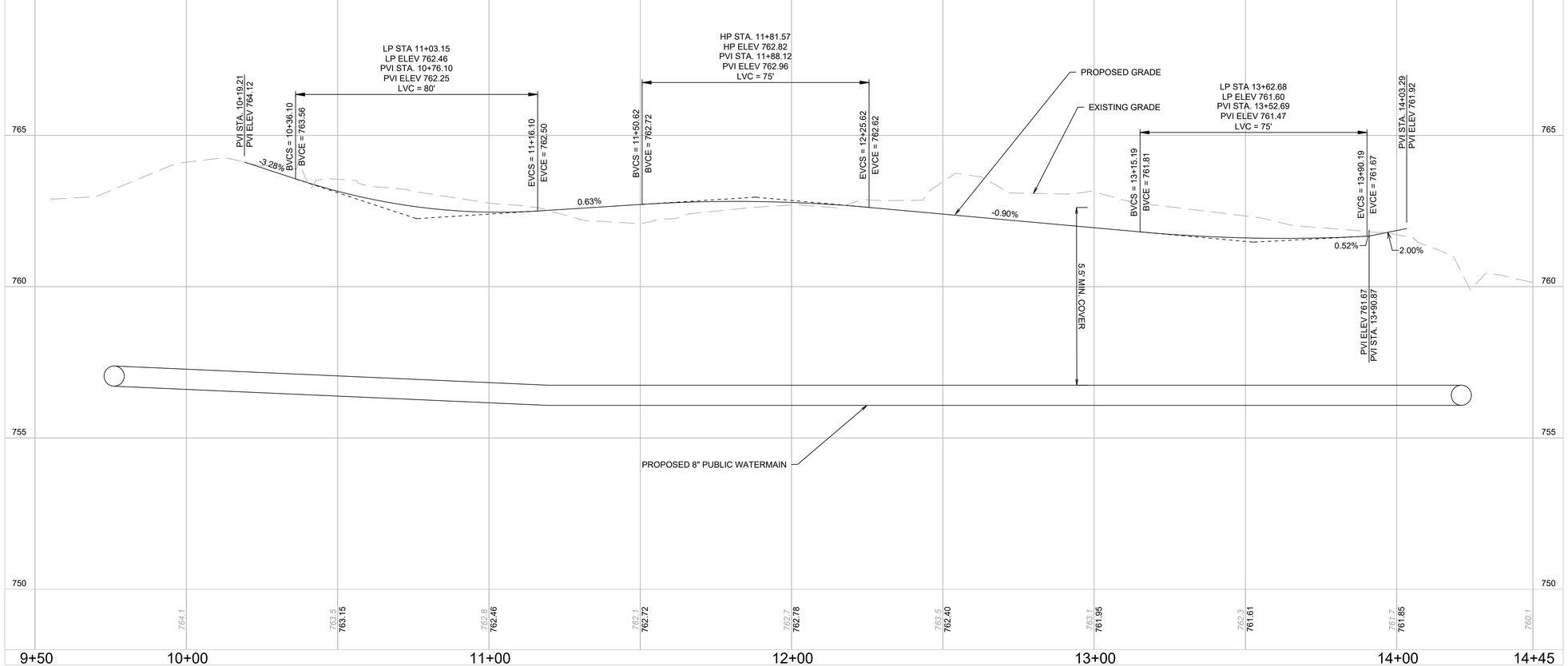
DRAWING NO.

C6.2

NOTES:

1. CONTRACTOR TO PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS AS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.





GRAPHIC SCALE

HORIZONTAL: 0 10 20 (IN FEET)

VERTICAL: 0 1 2 (IN FEET)

GRAPHIC SCALE

20 10 0 20

1" = 20'

REVISIONS

NO.	DATE	DESCRIPTION
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ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

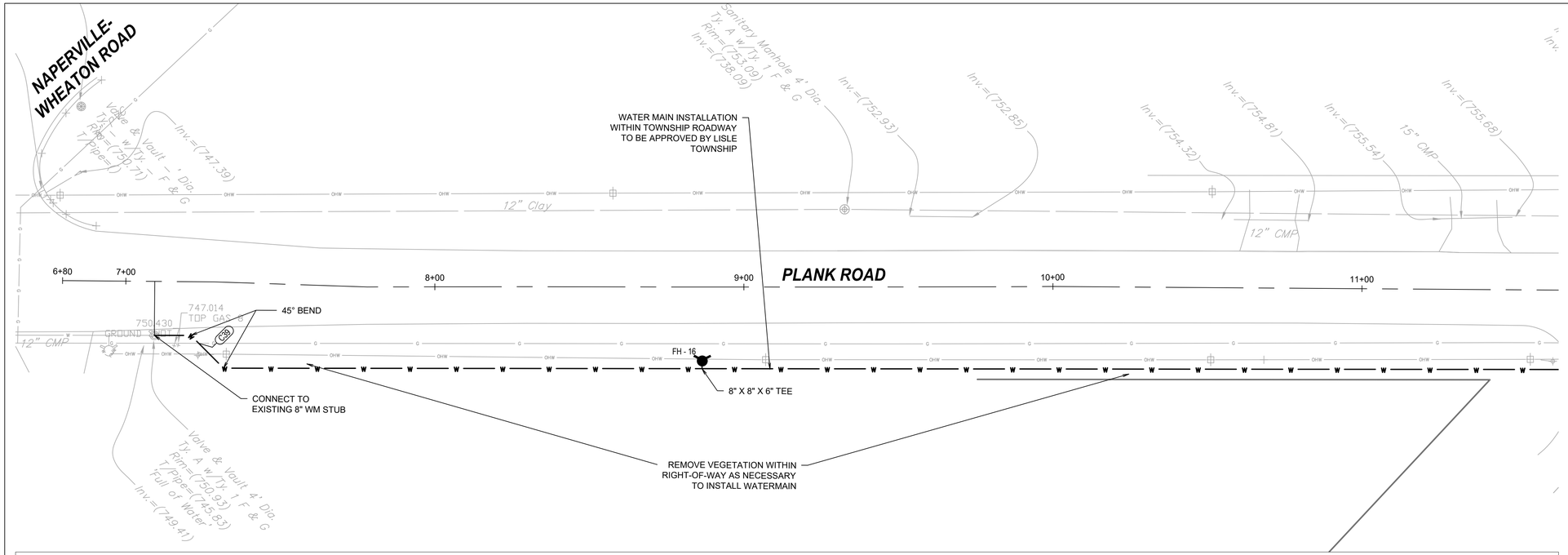
BURLINGTON AVENUE PLAN & PROFILE - STA. 10+00 TO STA. 14+45

THE RESIDENCES AT NAPERVILLE NAPER AND PLANK ILLINOIS

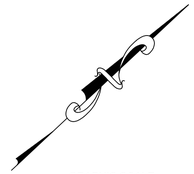
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

C6.3



FOR CONTINUATION SEE SHEET C6.5



GRAPHIC SCALE

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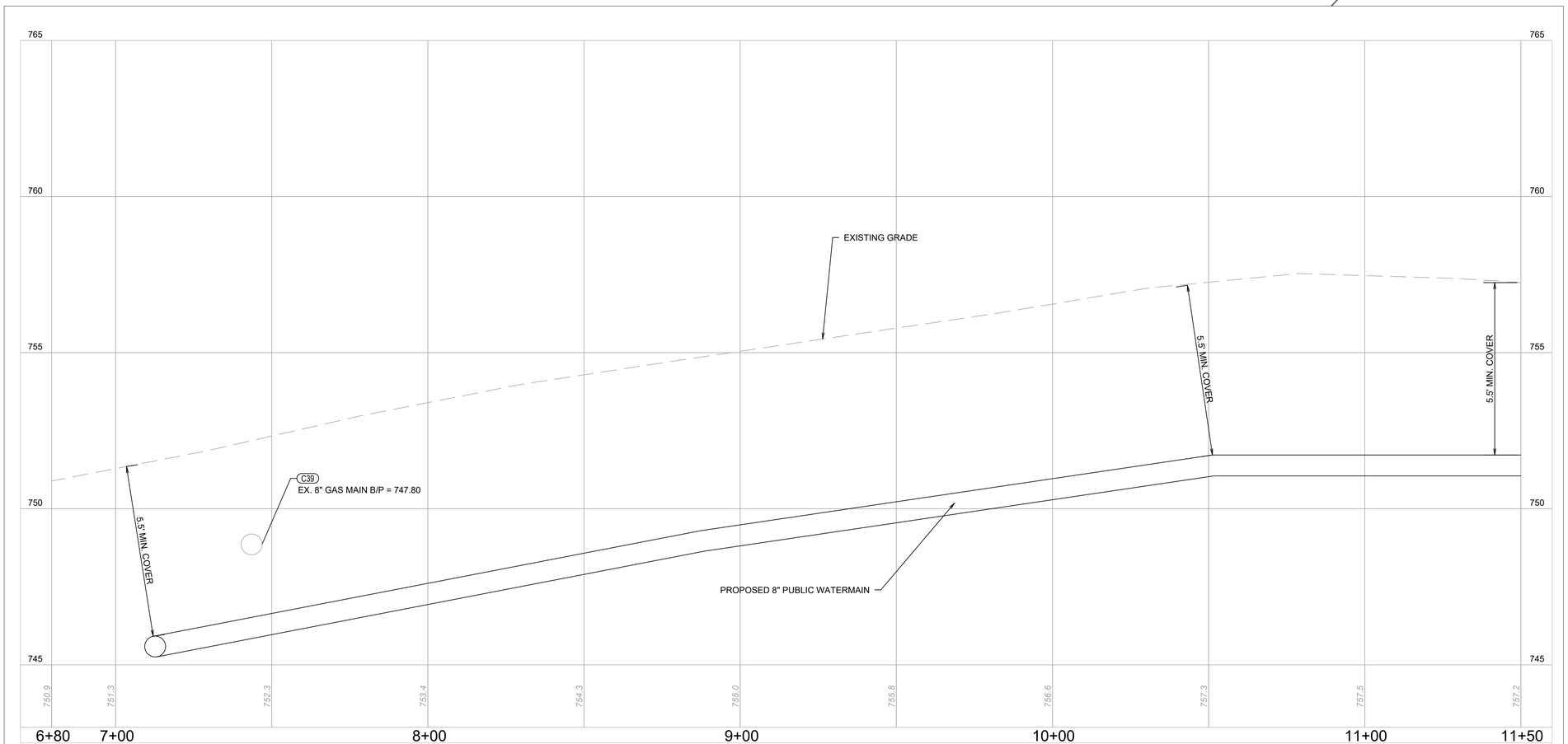
1" = 20'



GRAPHIC SCALE

HORIZONTAL: 0 10 20 (IN FEET)

VERTICAL: 0 1 2 (IN FEET)

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
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PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

PLANK ROAD PLAN & PROFILE
STA. 7+00 TO STA. 11+50
THE RESIDENCES AT
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ILLINOIS

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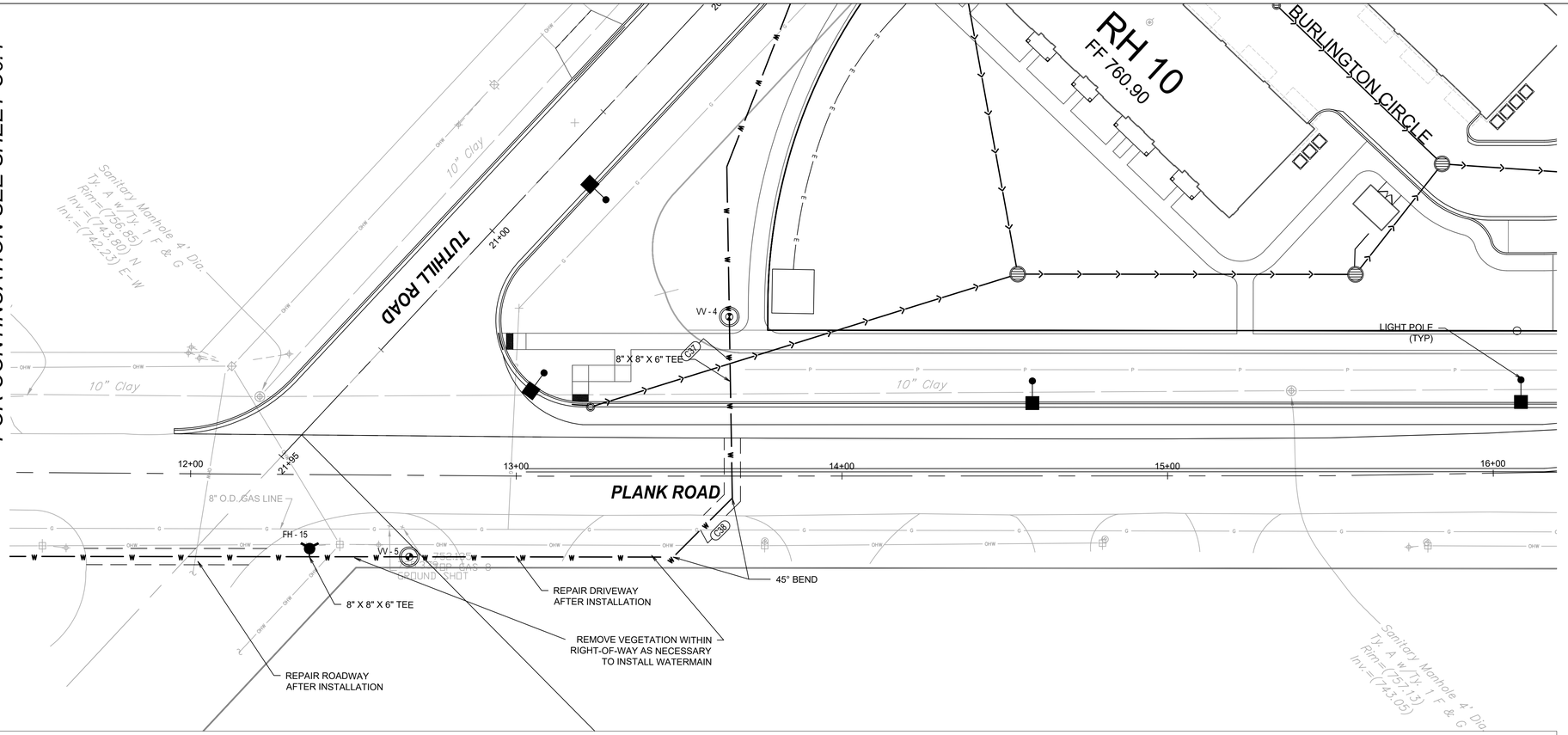
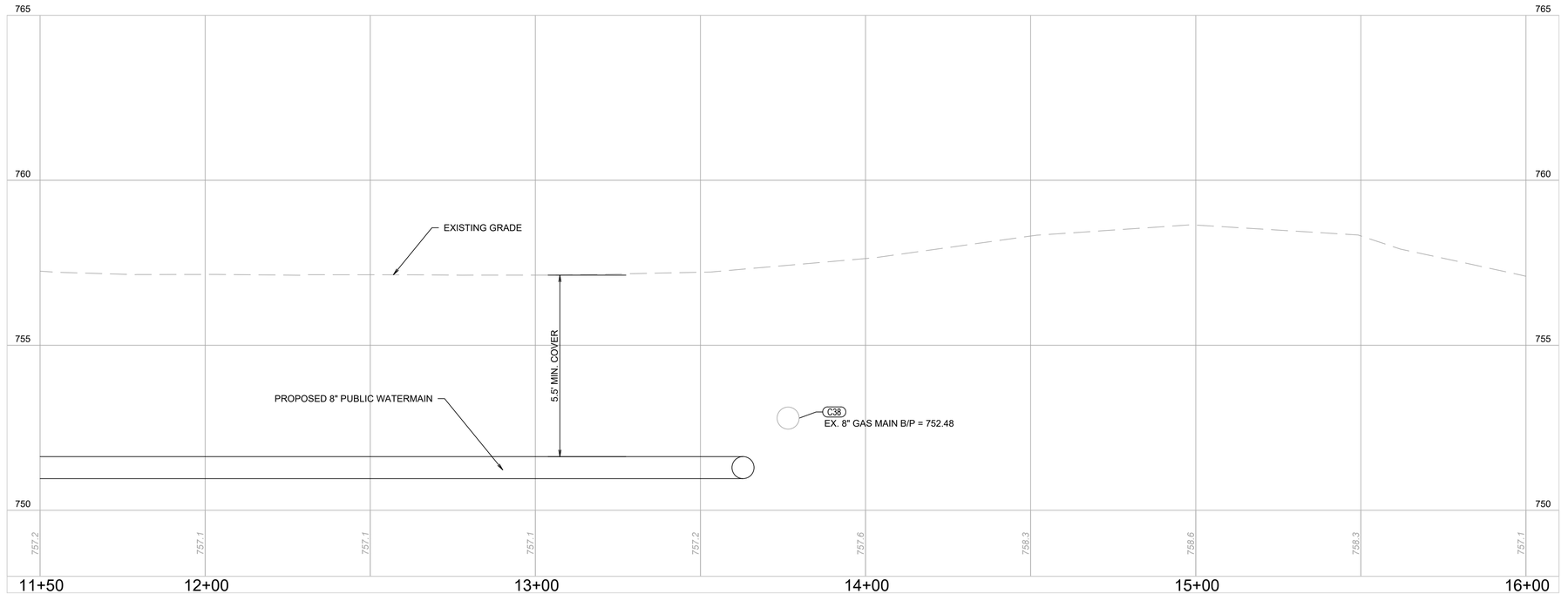
DRAWING NO.

C6.4

FOR CONTINUATION SEE SHEET C6.4

FOR CONTINUATION SEE SHEET C6.6





GRAPHIC SCALE

20 10 0 20

1" = 20'

GRAPHIC SCALE

HORIZONTAL: 0 10 20 (IN FEET)

VERTICAL: 0 1 2 (IN FEET)

REVISIONS

NO.	DATE	DESCRIPTION
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2	09-29-25	REVISED PER CITY COMMENTS

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PROJECT NO: 241072

PROJECT MANAGER: DF

DESIGNED BY: NB

DRAWN BY: RI

PLANK ROAD PLAN & PROFILE
STA. 11+50 TO STA. 16+00
THE RESIDENCES AT
NAPER AND PLANK

NAPERVILLE ILLINOIS

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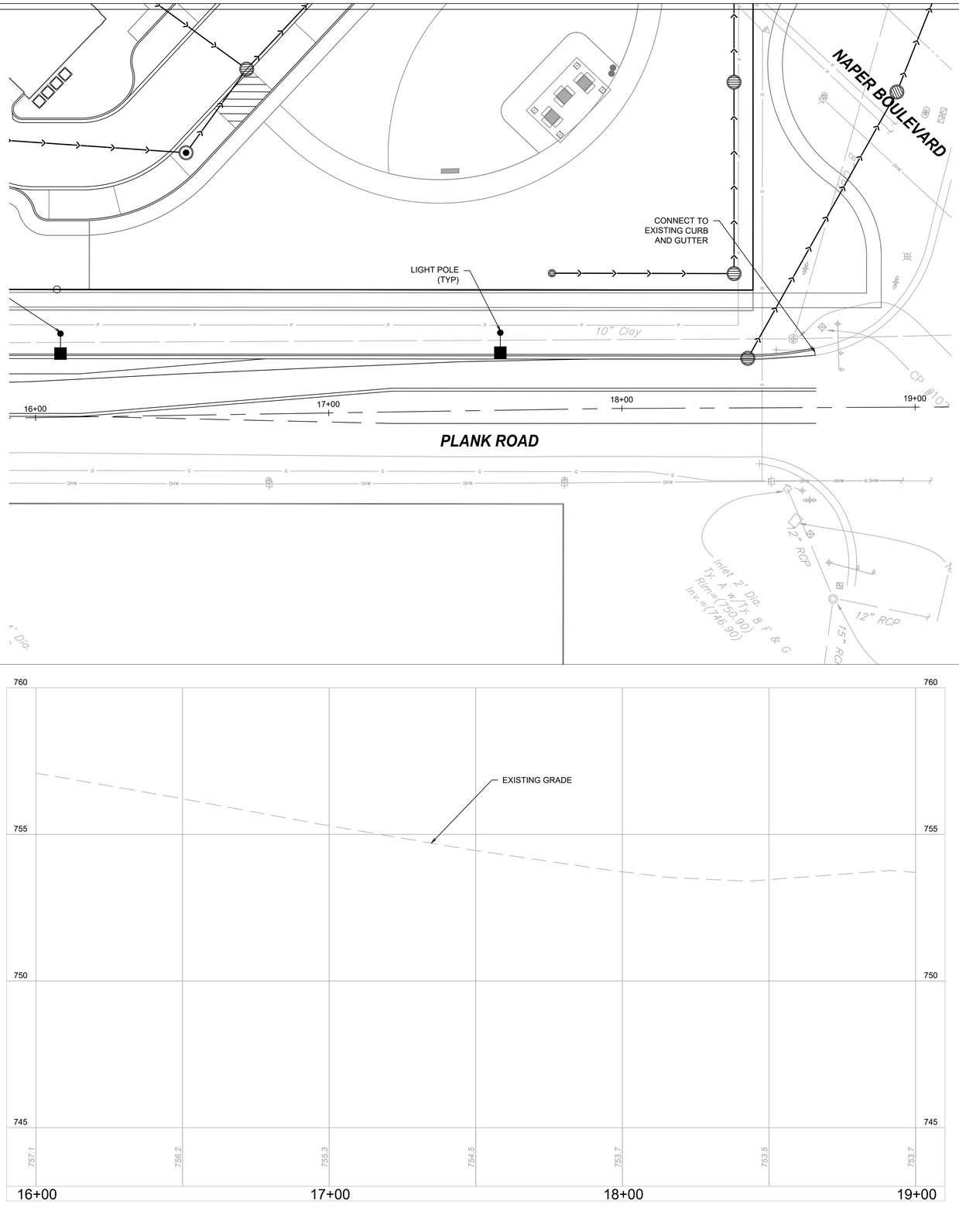
DRAWING NO.

C6.5



GRAPHIC SCALE

20 10 0 20

1" = 20'

GRAPHIC SCALE

HORIZONTAL: 0 10 20 (IN FEET)

VERTICAL: 0 1 2 (IN FEET)

REVISIONS

NO.	DATE	DESCRIPTION
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PROJECT NO: 241072

PROJECT MANAGER: DF

DESIGNED BY: NB

DRAWN BY: RI

PLANK ROAD PLAN & PROFILE
STA. 16+00 TO STA. 19+00
THE RESIDENCES AT
NAPERVILLE NAPER AND PLANK
ILLINOIS

7325 Janes Avenue
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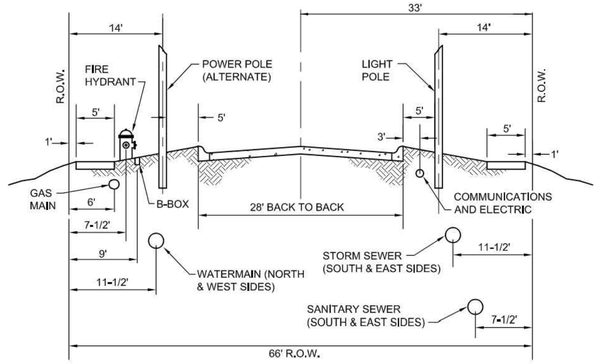
www.v3co.com

DRAWING NO.

C6.6

STANDARD UTILITIES LOCATION

28' PAVEMENT WITHIN 66' R.O.W.



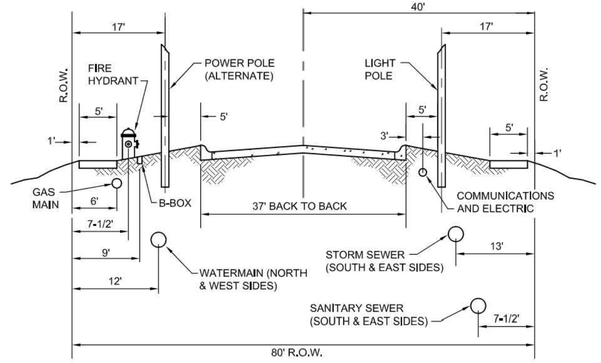
City of Naperville STANDARD DETAIL

STANDARD ROADWAY SECTION

REVISED: 01/01/2013 | SHEET 2 OF 4 | PAVEMENT 1 | **590.01**

STANDARD UTILITIES LOCATION

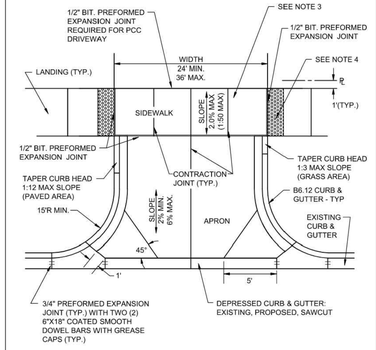
37' PAVEMENT WITHIN 80' R.O.W.



City of Naperville STANDARD DETAIL

STANDARD ROADWAY SECTION

REVISED: 01/01/2013 | SHEET 3 OF 4 | PAVEMENT 1 | **590.01**



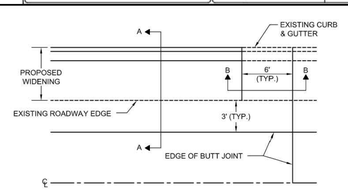
NOTES:

1. ALL AGGREGATE SUB BASE SHALL BE MECHANICALLY COMPACTED.
2. SIDEWALK SHALL CONTINUE THROUGH DRIVEWAYS.
3. SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE A MINIMUM OF 8" PCC ON 4" AGGREGATE SUB BASE.
4. EXPANSION JOINT MATERIAL MUST MATCH THE FULL DEPTH OF THE PAVEMENT.
5. DETECTABLE WARNINGS SHALL ONLY BE INSTALLED AT DRIVEWAYS WITH PERMANENT TRAFFIC CONTROL DEVICES.
6. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
7. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

City of Naperville STANDARD DETAIL

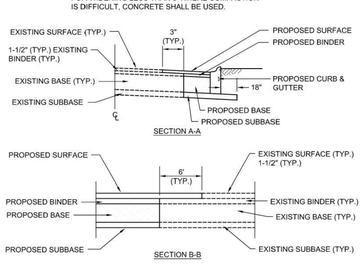
TYPICAL COMMERCIAL DRIVEWAY DETAIL

REVISED: 08/01/2018 | SHEET 1 OF 1 | PAVEMENT 5 | **590.05**



NOTE:

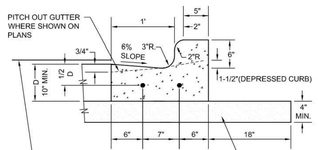
FOR WIDENING LESS THAN 8' WHERE COMPACTION IS DIFFICULT, CONCRETE SHALL BE USED.



City of Naperville STANDARD DETAIL

BUTT JOINT DETAIL

REVISED: 01/01/2013 | SHEET 1 OF 1 | PAVEMENT 11 | **590.11**



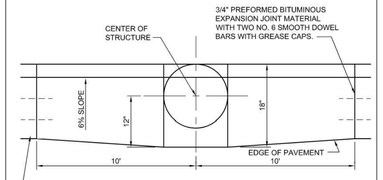
NOTES:

1. 3/4" PREFORMED BITUMINOUS EXPANSION JOINT WITH TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" DIA. X 18") WITH GREASE CAPS SHALL BE PLACED EVERY 150', 10' EITHER SIDE OF DRAINAGE STRUCTURES, P.C.'S, RADIUS POINTS AND BACK OF CUL-DE-SACS. WHEN EXPANSION JOINTS ARE CONSTRUCTED ADJACENT TO EXISTING CURB & GUTTER THE EXISTING CURB SHALL BE DRILLED AND TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" X 18") GROUTED IN PLACE. GREASE CAPS SHALL BE PLACED ON THE SIDE OF THE NEW CURB AND GUTTER SHALL HAVE A PINCHED STOP THAT WILL PROVIDE A MINIMUM 1" EXPANSION.
2. TOOLED CONTROL JOINTS OR SAWCUTS SHALL BE MADE EVERY 15'.
3. SAWCUTS SHALL BE MADE WITHIN TWENTY-FOUR (24) HOURS AND SEALED WITH A CITY APPROVED JOINT SEALANT. JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.
4. FOR CURB AND GUTTER CONSTRUCTED OVER UTILITY TRENCHES, TWO (2) EPOXY COATED REINFORCING BARS (NO. 4) SHALL BE PLACED IN THE CURB AND GUTTER, CENTERED OVER THE TRENCH.

City of Naperville STANDARD DETAIL

B6.12 BARRIER CURB & GUTTER

REVISED: 01/01/2013 | SHEET 1 OF 1 | PAVEMENT 20 | **590.20**



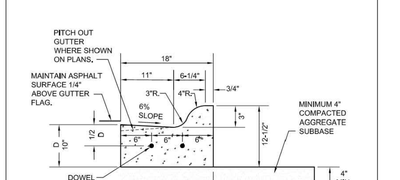
NOTES:

1. GRATE & CASTING SHALL BE EAST JORDAN 7220 OR NEENAH R-3278-A OR AS APPROVED BY THE CITY ENGINEER.
2. ALL CASTINGS SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE.

City of Naperville STANDARD DETAIL

B6.12 BARRIER CURB & GUTTER AT CURB INLETS

REVISED: 01/01/2013 | SHEET 1 OF 1 | PAVEMENT 21 | **590.21**



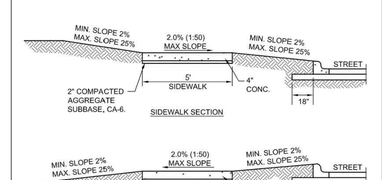
NOTES:

1. 3/4" PREFORMED BITUMINOUS EXPANSION JOINT WITH TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" DIA. X 18") WITH GREASE CAPS SHALL BE PLACED EVERY 150', 10' EITHER SIDE OF DRAINAGE STRUCTURES, P.C.'S, RADIUS POINTS AND BACK OF CUL-DE-SACS. WHEN EXPANSION JOINTS ARE CONSTRUCTED ADJACENT TO EXISTING CURB & GUTTER THE EXISTING CURB SHALL BE DRILLED AND TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" X 18") GROUTED IN PLACE. GREASE CAPS SHALL BE PLACED ON THE SIDE OF THE NEW CURB AND GUTTER SHALL HAVE A PINCHED STOP THAT WILL PROVIDE A MINIMUM 1" EXPANSION.
2. TOOLED CONTROL JOINTS OR SAWCUTS SHALL BE MADE EVERY 15'.
3. SAWCUTS SHALL BE MADE WITHIN TWENTY-FOUR (24) HOURS AND SEALED WITH A CITY APPROVED JOINT SEALANT. JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.
4. FOR CURB AND GUTTER CONSTRUCTED OVER UTILITY TRENCHES, TWO (2) EPOXY COATED REINFORCING BARS (NO. 4) SHALL BE PLACED IN THE CURB AND GUTTER, CENTERED OVER THE TRENCH.

City of Naperville STANDARD DETAIL

M3.12 MOUNTABLE CURB & GUTTER

REVISED: 01/01/2013 | SHEET 1 OF 1 | PAVEMENT 22 | **590.22**



NOTES:

1. CONCRETE SHALL BE IDOT CLASS SI.
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.

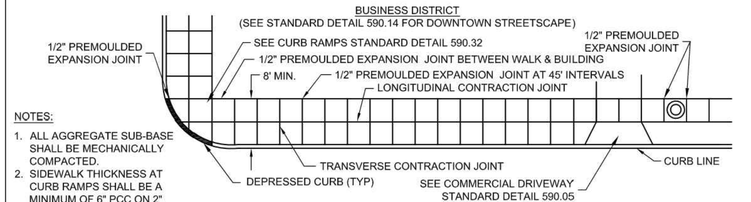
City of Naperville STANDARD DETAIL

SIDEWALK

REVISED: 01/01/2013 | SHEET 1 OF 1 | PAVEMENT 30 | **590.30**

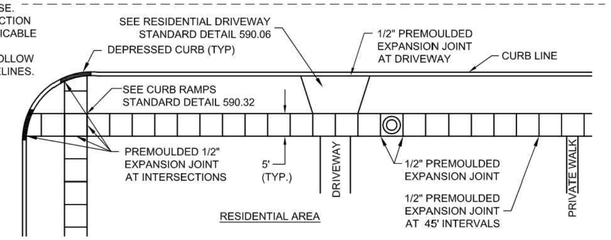
BUSINESS DISTRICT

(SEE STANDARD DETAIL 590.14 FOR DOWNTOWN STREETSCAPE)



NOTES:

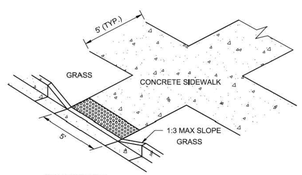
1. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED.
2. SIDEWALK THICKNESS AT CURB RAMPS SHALL BE A MINIMUM OF 6" PCC ON 2" AGGREGATE SUB BASE.
3. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
4. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.



City of Naperville STANDARD DETAIL

SIDEWALK CONSTRUCTION

REVISED: 01/01/2013 | SHEET 1 OF 1 | PAVEMENT 31 | **590.31**



ISOMETRIC VIEW

NOTES:

1. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED.
2. SIDEWALK THICKNESS AT CURB RAMPS SHALL BE A MINIMUM OF 6" PCC ON 2" AGGREGATE SUB BASE.
3. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
4. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

APPLICABLE IDOT STANDARD DETAILS (USE LATEST REVISION):

424001-XX	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-XX	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-XX	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-XX	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-XX	DEPRESSED CORNER FOR SIDEWALKS
424026-XX	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
424031-XX	MEDIAN PEDESTRIAN CROSSINGS
606001-XX	CONCRETE CURB TYPE B AND COMB CONCRETE CURB AND GUTTER

APPROVED ADA DETECTABLE WARNING TILES:

1. ADA SOLUTIONS - CAST IN PLACE REPLACEABLE
2. ARMOR TILE - CAST IN PLACE
3. DETECTILE - SLIMTEK II
4. TUFTILE - POLYMER WET-SET

City of Naperville STANDARD DETAIL

CURB RAMPS

REVISED: 08/01/2018 | SHEET 1 OF 1 | PAVEMENT 32 | **590.32**

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

CONSTRUCTION DETAILS

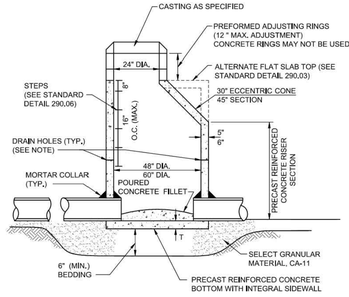
THE RESIDENCES AT NAPERVILLE NAPER AND PLANK ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

C7.0

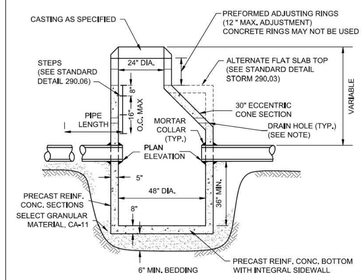
WHEN MANHOLE DEPTH IS 12 FT OR LESS T = 8 INCHES
WHEN MANHOLE DEPTH IS OVER 12 FT, T = 10 INCHES



NOTE:

A MINIMUM OF 4 PRECAST OR DRILLED 1" DIAMETER HOLES SHALL BE PROVIDED WITHIN 1' OF THE LOWEST PIPE INVERT, THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE, A 1' BY 1' SQUARE OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE FIXED OVER EACH DRAIN HOLE ON THE OUTSIDE OF THE STRUCTURE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.

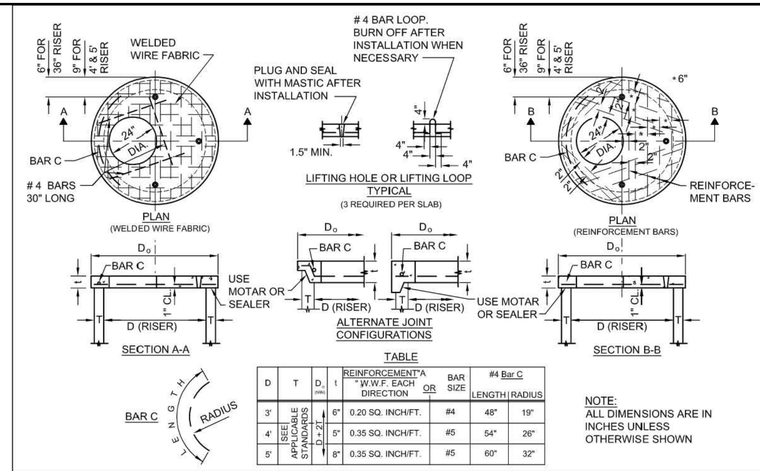
City of Naperville STANDARD DETAIL | STORM MANHOLE- TYPE A | REVISED: 08/01/2018 | SHEET 1 OF 1 | STORM 1 | 290.01



NOTE:

A MINIMUM OF 4 PRECAST OR DRILLED 1" DIAMETER HOLES SHALL BE PROVIDED WITHIN 1' OF THE LOWEST PIPE INVERT, THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE, A 1' BY 1' SQUARE OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE FIXED OVER EACH DRAIN HOLE ON THE OUTSIDE OF THE STRUCTURE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.

City of Naperville STANDARD DETAIL | CATCH BASIN - TYPE A | REVISED: 08/01/2018 | SHEET 1 OF 1 | STORM 2 | 290.02

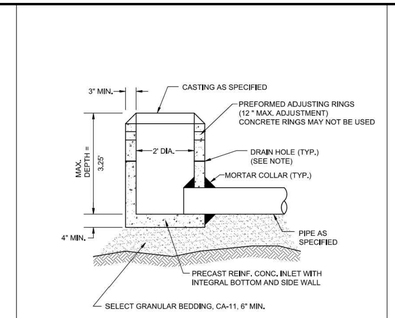


TABLE

D	T	D_o (min)	t	REINFORCEMENT"A" W.W.F. EACH DIRECTION	OR	BAR SIZE	#4 Bar C LENGTH	#4 Bar C RADIUS
3'	SEE APPLICABLE STANDARDS D + 2T	6"		0.20 SQ. INCH/FT.		#4	48"	19"
4'		5"		0.35 SQ. INCH/FT.		#5	54"	26"
5'		8"		0.35 SQ. INCH/FT.		#5	60"	32"

NOTE:
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN

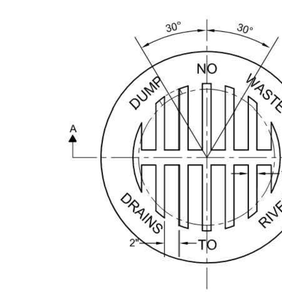
City of Naperville STANDARD DETAIL | FLAT SLAB TOP PRECAST REINFORCED CONCRETE | REVISED: 01/01/2013 | SHEET 1 OF 1 | STORM 3 | 290.03



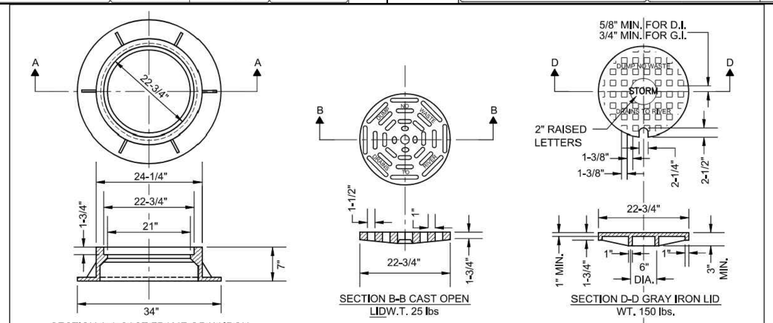
NOTE:

IN PAVED AREAS A MINIMUM OF 4 PRECAST OR DRILLED 1" DIAMETER HOLES SHALL BE PROVIDED WITHIN 1' OF THE LOWEST PIPE INVERT, THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE, A 1' BY 1' SQUARE OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE FIXED OVER EACH DRAIN HOLE ON THE OUTSIDE OF THE STRUCTURE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.

City of Naperville STANDARD DETAIL | INLET - TYPE A | REVISED: 08/01/2018 | SHEET 1 OF 1 | STORM 5 | 290.05



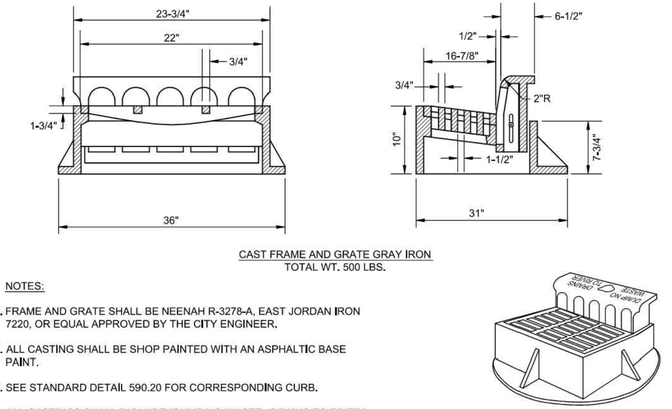
City of Naperville STANDARD DETAIL | CAST IRON STEPS | REVISED: 01/01/2013 | SHEET 1 OF 1 | STORM 6 | 290.06



NOTES:

1. FRAME AND GRATE (LID) SHALL BE NEENAH R-2502 FOR OPEN GRATES, R-1772 FOR CLOSED LIDS; EAST JORDAN 1022-2 WITH M-1 GRATE OR TYPE A SOLID COVER, OR EQUAL APPROVED BY THE CITY ENGINEER.
2. ALL LIDS AND COVERS SHALL HAVE MACHINED SURFACES AND SEATS.
3. ALL CASTINGS SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.
4. ALL CASTINGS SHALL INCLUDE "DUMP NO WASTE. DRAINS TO RIVER".

City of Naperville STANDARD DETAIL | FRAME & LID OR GRATE | REVISED: 05/15/2015 | SHEET 1 OF 1 | STORM 10 | 290.10



NOTES:

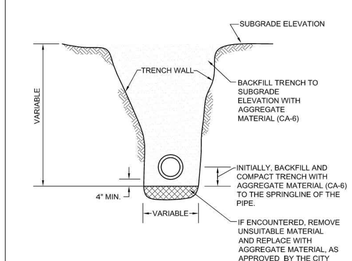
1. FRAME AND GRATE SHALL BE NEENAH R-3278-A, EAST JORDAN IRON 7220, OR EQUAL APPROVED BY THE CITY ENGINEER.
2. ALL CASTING SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.
3. SEE STANDARD DETAIL 590.20 FOR CORRESPONDING CURB.
4. ALL CASTINGS SHALL INCLUDE "DUMP NO WASTE. DRAINS TO RIVER".

City of Naperville STANDARD DETAIL | FRAME & GRATE FOR B-6.12 CURB & GUTTER | REVISED: 05/15/2015 | SHEET 1 OF 1 | STORM 11 | 290.11

NOTES:

1. BEEHIVE GRATE SHALL BE NEENAH R4340B, EAST JORDAN 6527, OR EQUAL APPROVED BY THE CITY ENGINEER.
2. ALL CASTINGS SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.
3. ALL CASTINGS SHALL INCLUDE "DUMP NO WASTE. DRAINS TO RIVER".

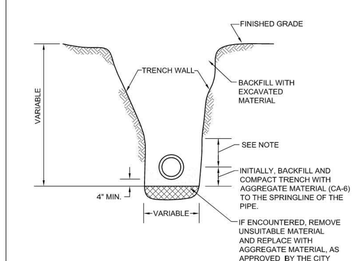
City of Naperville STANDARD DETAIL | BEEHIVE GRATE | REVISED: 05/15/2015 | SHEET 1 OF 1 | STORM 14 | 290.14



NOTES:

1. TRENCH BACKFILL MATERIAL SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 550.07 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. THIS DETAIL SHALL BE USED WHEREVER THE TRENCH IS MADE IN THE PROPOSED ROADWAY SUBGRADE, AND WHEREVER THE INNER EDGE OF THE TRENCH IS CLOSER THAN 2' TO THE EDGE OF THE PROPOSED PAVEMENT, CURB AND GUTTER, AND SIDEWALK.

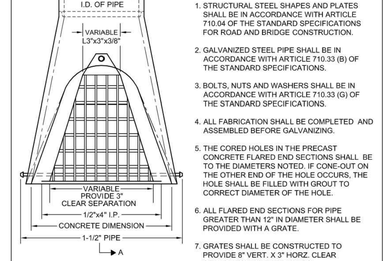
City of Naperville STANDARD DETAIL | STORM SEWER TRENCH SECTION IN PAVED AREAS | REVISED: 01/01/2013 | SHEET 1 OF 1 | STORM 20 | 290.20



NOTE:

FOR PVC AND HDPE PIPE, BACKFILL WITH AGGREGATE MATERIAL (CA-6) TO 6" ABOVE THE TOP OF PIPE.

City of Naperville STANDARD DETAIL | STORM SEWER TRENCH SECTION IN NON-PAVED AREAS | REVISED: 01/01/2013 | SHEET 1 OF 1 | STORM 21 | 290.21



NOTES:

1. STRUCTURAL STEEL SHAPES AND PLATES SHALL BE IN ACCORDANCE WITH ARTICLE 710.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. GALVANIZED STEEL PIPE SHALL BE IN ACCORDANCE WITH ARTICLE 710.33 (B) OF THE STANDARD SPECIFICATIONS.
3. BOLTS, NUTS AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 710.33 (G) OF THE STANDARD SPECIFICATIONS.
4. ALL FABRICATION SHALL BE COMPLETED AND ASSEMBLED BEFORE GALVANIZING.
5. THE CORED HOLES IN THE PRECAST CONCRETE FLARED END SECTIONS SHALL BE TO THE DIAMETERS NOTED. IF CONE-OUT ON THE OTHER END OF THE HOLE OCCURS, THE HOLE SHALL BE FILLED WITH GROUT TO CORRECT DIAMETER OF THE HOLE.
6. ALL FLARED END SECTIONS FOR PIPE GREATER THAN 12" IN DIAMETER SHALL BE PROVIDED WITH A GRATE.
7. GRATES SHALL BE CONSTRUCTED TO PROVIDE 8" VERT. X 3" HORZ. CLEAR SEPARATION BETWEEN BARS.

City of Naperville STANDARD DETAIL | GRATING FOR CONCRETE FLARED END SECTION | REVISED: 01/01/2013 | SHEET 1 OF 1 | STORM 22 | 290.22

REVISIONS

NO.	DATE	DESCRIPTION
		ORIGINAL ISSUE DATE: JULY 28, 2025
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

PROJECT NO: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

CONSTRUCTION DETAILS

THE RESIDENCES AT NAPERVILLE NAPER AND PLANK ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C7.1

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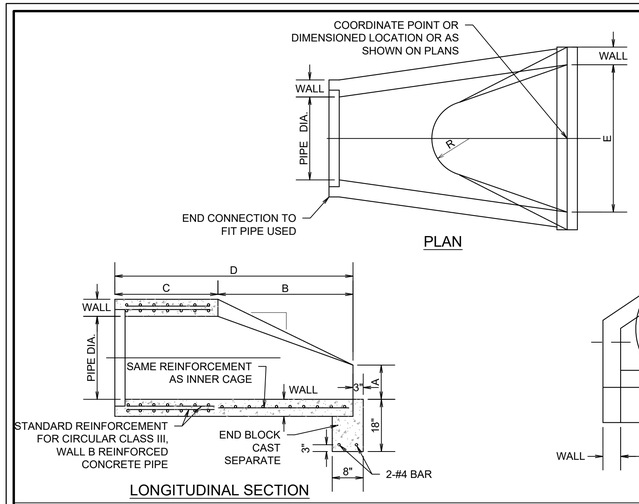


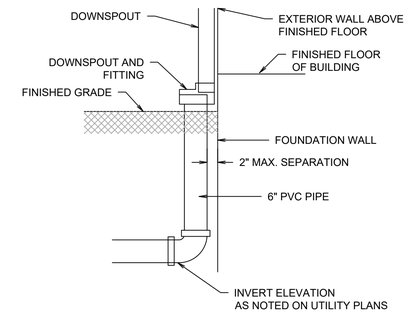
PIPE DIA.	WALL	A	B	C	D	E	R	SLOPE
12"	2"	4"	2'-0"	4'-0 7/8"	6'-0 7/8"	2'-0"	9"	3:1
15"	2 1/4"	6"	2'-3"	3'-10"	6'-1"	2'-6"	11"	3:1
18"	2 1/2"	9"	2'-3"	3'-10"	6'-1"	3'-0"	12"	3:1
21"	2 3/4"	9"	2'-11"	3'-2"	6'-1"	3'-6"	13"	3:1
24"	3"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	14"	3:1
27"	3 1/4"	10 1/2"	4'-0"	2'-5 1/2"	6'-1 1/2"	4'-6"	14 1/2"	3:1
30"	3 1/2"	12"	4'-6"	1'-9 3/4"	6'-1 3/4"	5'-0"	15"	3:1
33"	3 3/4"	13 1/2"	4'-10 1/2"	3'-9 3/4"	8'-1 3/4"	5'-6"	17 1/2"	3:1
36"	4"	15"	5'-3"	3'-4 3/4"	8'-1 3/4"	6'-0"	20"	3:1
42"	4 1/2"	21"	5'-3"	35"	8'-2"	6'-6"	22"	3:1
48"	5"	24"	6'-0"	26"	8'-2"	7'-0"	22"	3:1
54"	5 1/2"	27"	5'-5"	35"	8'-4"	7'-6"	24"	2.4:1
60"	6"	35"	5'-0"	39"	8'-3"	8'-0"	*	2:1
66"	6 1/2"	30"	6'-0"	27"	8'-3"	8'-6"	*	2:1
72"	7"	36"	6'-6"	21"	8'-3"	9'-0"	*	2.26:1
78"	7 1/2"	36"	7'-6"	21"	9'-3 1/2"	10'-0"	*	2.12:1
84"	8"	36"	7'-6 1/2"	21"	9'-3 1/2"	10'-0"	*	1.94:1

* RADIUS AS FURNISHED BY MANUFACTURER

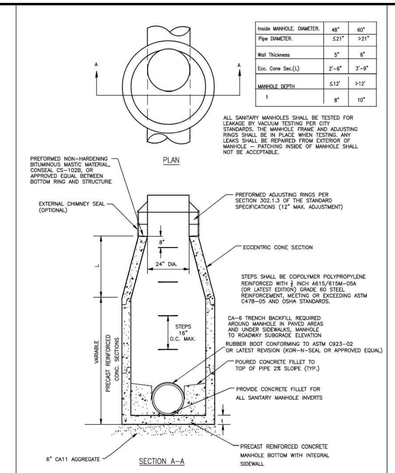
NOTES:

1. PRECAST CONCRETE FLARED END SECTION SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-170 CLASS III, WALL B REINFORCED CONCRETE PIPE.
2. LENGTHS OF PIPE WHICH TERMINATE WITH A FLARED END SECTION INCLUDE THE LENGTH OF THE FLARED END SECTION.

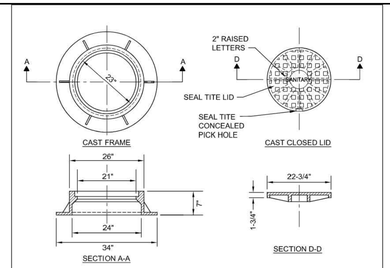
PRECAST REINFORCED CONCRETE FLARED END SECTION



DOWNSPOUT CONNECTOR



City of Naperville STANDARD DETAIL | SANITARY SEWER MANHOLE | REVISED: 08/01/2018 | SHEET 1 OF 1 | SANITARY 1 | 390.01



NOTES:

1) DUCTILE IRON SHALL BE GRADE 65-45-12 AND SHALL BE TESTED IN ACCORDANCE WITH FEDERAL SPECIFICATIONS.

2) ALL FRAMES AND COVERS SHALL HAVE MACHINED HORIZONTAL AND VERTICAL BEARING SURFACES. PICK HOLES SHALL NOT CREATE OPENINGS IN THE COVER.

3) THE MANHOLE COVERS SHALL HAVE 2" RAISED LETTERS AS SHOWN.

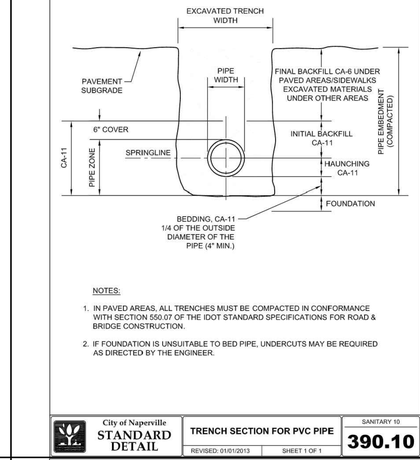
4) ALTERNATIVE TO DUCTILE IRON LID, GREY IRON CL 35 LID MAY BE USED.

5) CASTINGS ARE SHALL BE EAST JORDAN 1022-Z3; NEENAH R-1772 OR APPROVED EQUAL.

6) WATERPROOF, BOLTDOWN FRAME AND COVER SHALL BE USED IN FLOOD PLAIN AREA, AND AS NOTED ON THE PLANS. NEENAH R-1916-F1, EAST JORDAN IRON WORKS 1022-Z1PT OR APPROVED EQUAL.

7. LIDS AND FRAMES TO MEET ASSHTO M306 PROOF LOADING SPECIFICATIONS

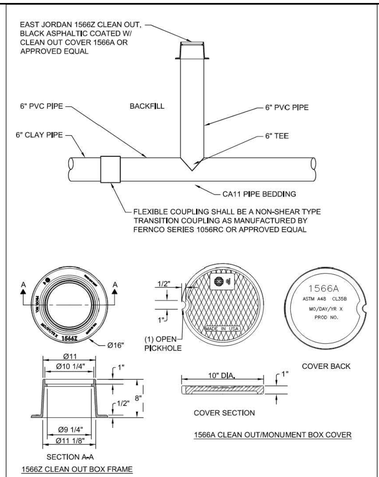
City of Naperville STANDARD DETAIL | SANITARY MANHOLE - FRAME & COVER | REVISED: 01/01/2013 | SHEET 1 OF 1 | SANITARY 6 | 390.06



NOTES:

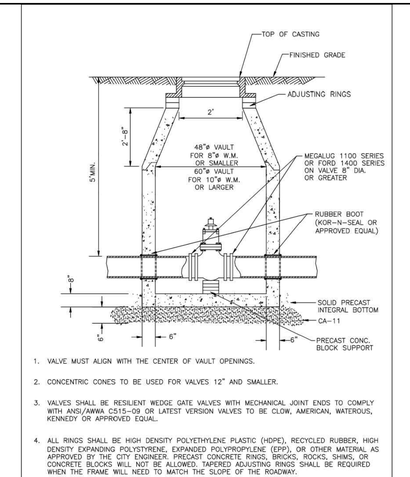
1. IN PAVED AREAS, ALL TRENCHES MUST BE COMPACTED IN CONFORMANCE WITH SECTION 550.07 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
2. IF FOUNDATION IS UNSUITABLE TO BED PIPE, UNDERCUTS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.

City of Naperville STANDARD DETAIL | TRENCH SECTION FOR PVC PIPE | REVISED: 01/01/2013 | SHEET 1 OF 1 | SANITARY 10 | 390.10



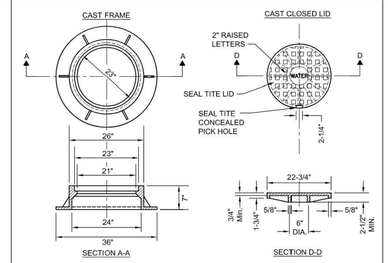
1566Z CLEAN OUT BOX FRAME

City of Naperville STANDARD DETAIL | SANITARY SEWER CLEANOUT | REVISED: 10/04/2023 | SHEET 1 OF 1 | SANITARY 23 | 390.23



1. VALVE MUST ALIGN WITH THE CENTER OF VAULT OPENINGS.
2. CONCENTRIC CONES TO BE USED FOR VALVES 12" AND SMALLER.
3. VALVES SHALL BE RESILIENT WEDGE GATE VALVES WITH MECHANICAL JOINT ENDS TO COMPLY WITH ANSI/AWWA C515–09 OR LATEST VERSION VALVES TO BE CLOW, AMERICAN, WATEROUS, KENNEDY OR APPROVED EQUAL.
4. ALL RINGS SHALL BE HIGH DENSITY POLYETHYLENE PLASTIC (HDPE), RECYCLED RUBBER, HIGH DENSITY EXPANDING POLYSTYRENE, EXPANDED POLYPROPYLENE (EPP), OR OTHER MATERIAL AS APPROVED BY THE CITY ENGINEER. PRECAST CONCRETE RINGS, BRICKS, ROCKS, SHIMS, OR CONCRETE BLOCKS WILL NOT BE ALLOWED. TAPERED ADJUSTING RINGS SHALL BE REQUIRED WHEN THE FRAME WILL NEED TO MATCH THE SLOPE OF THE ROADWAY.

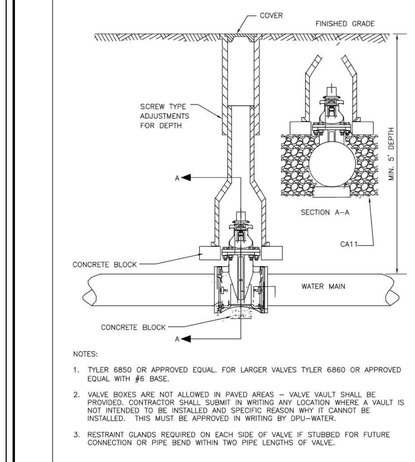
City of Naperville STANDARD DETAIL | VALVE VAULT | REVISED: 10/03/2023 | SHEET 1 OF 1 | WATER 1 | 490.01



NOTES:

1. DUCTILE IRON SHALL BE GRADE 65-45-12 AND SHALL BE TESTED IN ACCORDANCE WITH FEDERAL SPECIFICATIONS.
2. ALL FRAMES AND COVERS SHALL HAVE MACHINED HORIZONTAL AND VERTICAL BEARING SURFACES. PICK HOLES SHALL NOT CREATE OPENINGS IN THE COVER.
3. THE MANHOLE COVERS SHALL HAVE RAISED LETTERS AS SHOWN.
4. ALTERNATIVE TO DUCTILE IRON LID, GREY IRON CL 35 LID MAY BE USED.
5. DIMENSIONS FOR CASTINGS ARE COMPARABLE TO EAST JORDAN 1022 OR NEENAH R-1772-C, HEAVY DUTY.
6. LIDS AND FRAMES TO MEET AASHTO M306 PROOF LOADING SPECIFICATIONS.

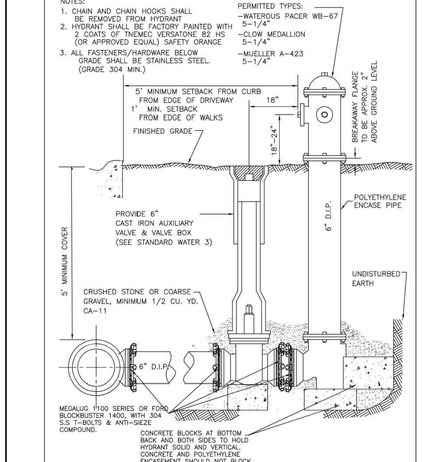
City of Naperville STANDARD DETAIL | VALVE VAULT - FRAME & COVER | REVISED: 01/01/2013 | SHEET 1 OF 1 | WATER 4 | 490.04



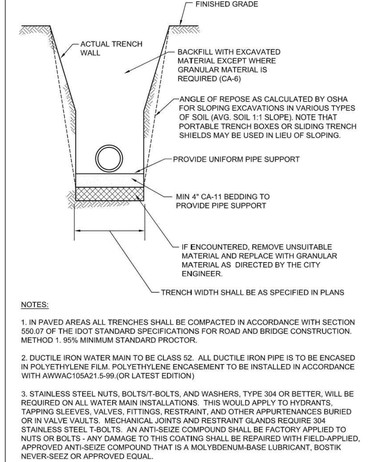
NOTES:

1. TYLER 6850 OR APPROVED EQUAL. FOR LARGER VALVES TYLER 6860 OR APPROVED EQUAL WITH ø6 BASE.
2. VALVE BOXES ARE NOT ALLOWED IN PAVED AREAS – VALVE VAULT SHALL BE PROVIDED. CONTRACTOR SHALL SUBMIT IN WRITING ANY LOCATION WHERE A VAULT IS NOT INTENDED TO BE INSTALLED AND SPECIFIC REASON WHY IT CANNOT BE INSTALLED. THIS MUST BE APPROVED IN WRITING BY DPU–WATER.
3. RESTRAINT GLANDS REQUIRED ON EACH SIDE OF VALVE IF STUBBED FOR FUTURE CONNECTION OR PIPE BEND WITHIN TWO PIPE LENGTHS OF VALVE.

City of Naperville STANDARD DETAIL | VALVE BOX | REVISED: 01/01/2013 | SHEET 1 OF 1 | WATER 5 | 490.05



City of Naperville STANDARD DETAIL | HYDRANT | REVISED: 05/15/2015 | SHEET 1 OF 1 | WATER 6 | 490.06



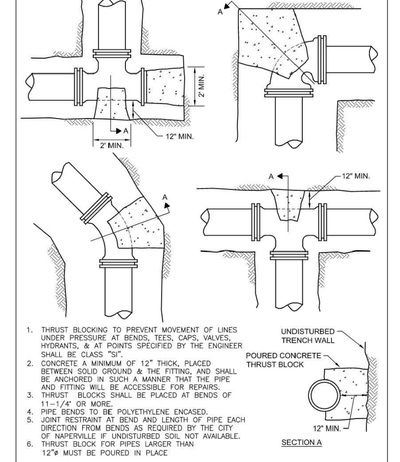
NOTES:

1. IN PAVED AREAS ALL TRENCHES SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 550.07 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. METHOD 1. 95% MINIMUM STANDARD PROCTOR.

2. DUCTILE IRON WATER MAIN TO BE CLASS 52. ALL DUCTILE IRON PIPE IS TO BE ENCASED IN POLYETHYLENE FILM. POLYETHYLENE ENCASEMENT TO BE INSTALLED IN ACCORDANCE WITH AWWAC105A21.5-99.(OR LATEST EDITION)

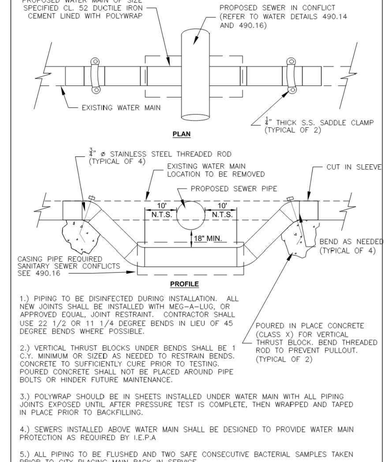
3. STAINLESS STEEL NUTS, BOLTS/T-BOLTS, AND WASHERS, TYPE 304 OR BETTER, WILL BE REQUIRED ON ALL WATER MAIN INSTALLATIONS. THIS WOULD APPLY TO HYDRANTS, TAPPING SLEEVES, VALVES, FITTINGS, RESTRAINT, AND OTHER APPURTENANCES BURIED OR IN VALVE VAULTS. MECHANICAL JOINTS AND RESTRAINT GLANDS REQUIRE 304 STAINLESS STEEL T-BOLTS. AN ANTI-SEIZE COMPOUND SHALL BE FACTORY APPLIED TO NUTS OR BOLTS - ANY DAMAGE TO THIS COATING SHALL BE REPAIRED WITH FIELD-APPLIED, APPROVED ANTI-SEIZE COMPOUND THAT IS A MOLYBDENUM-BASE LUBRICANT, BOSTIK NEVER-SEEZ OR APPROVED EQUAL.

City of Naperville STANDARD DETAIL | WATER MAIN TRENCH SECTION | REVISED: 01/01/2013 | SHEET 1 OF 1 | WATER 10 | 490.10



1. THRUST BLOCKING TO PREVENT MOVEMENT OF LINES UNDER PRESSURE AT BENDS, TEES, CAPS, VALVES, HYDRANTS, & AT POINTS SPECIFIED BY THE ENGINEER SHALL BE CLASS "SI".
2. CONCRETE A MINIMUM OF 12" THICK, PLACED BETWEEN SOLID GROUND & THE FITTING, AND SHALL BE ANCHORED IN SUCH A MANNER THAT THE PIPE AND FITTING WILL BE ACCESSIBLE FOR REPAIRS.
3. THRUST BLOCKS SHALL BE PLACED AT BENDS OF 11–1/4° OR MORE.
4. PIPE BENDS TO BE POLYETHYLENE ENCASED.
5. JOINT RESTRAINT AT BEND AND LENGTH OF PIPE EACH DIRECTION FROM BENDS AS REQUIRED BY THE CITY OF NAPERVILLE IF UNDISTURBED SOIL NOT AVAILABLE.
6. THRUST BLOCK FOR PIPES LARGER THAN 12"ø MUST BE POURED IN PLACE

City of Naperville STANDARD DETAIL | THRUST BLOCK | REVISED: 05/15/2015 | SHEET 1 OF 1 | WATER 11 | 490.11



City of Naperville STANDARD DETAIL | LOWERING/ADJUSTING WATER MAIN | REVISED: 05/15/2015 | SHEET 1 OF 1 | WATER 13 | 490.13

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

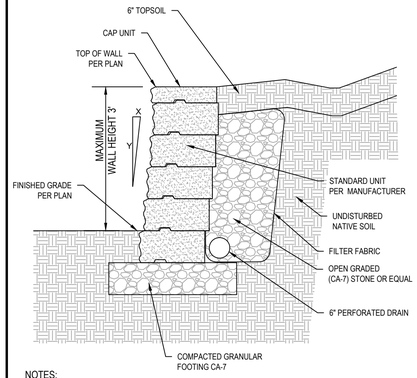
CONSTRUCTION DETAILS

THE RESIDENCES AT NAPERVILLE NAPER AND PLANK ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C7.2

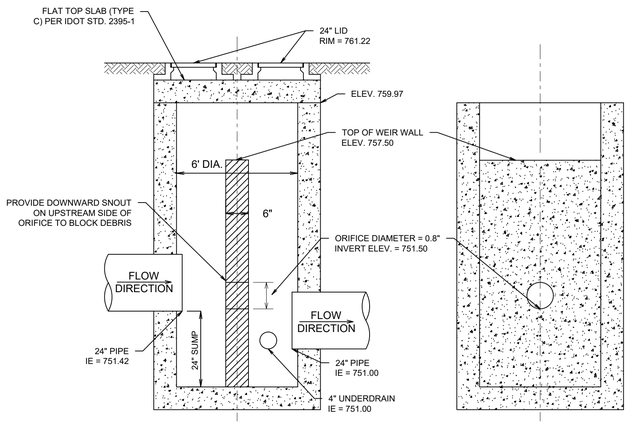
n:\2024\241072\Drawings\ACAD\LD\S04\sheet drawings\C7.0 Det241072.dwg 9/30/2025



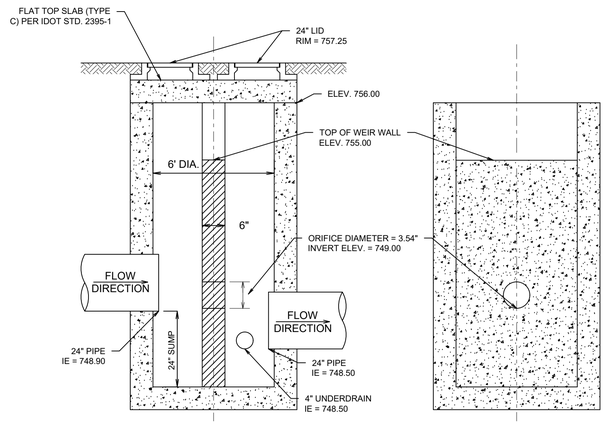
NOTES:

1. ALL WALLS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
2. IF WALL IS GREATER THAN 3', WALL SUPPLIER MUST PROVIDE STAMPED STRUCTURE DESIGN.
3. VERIFY BATTER SLOPE WITH MANUFACTURER.

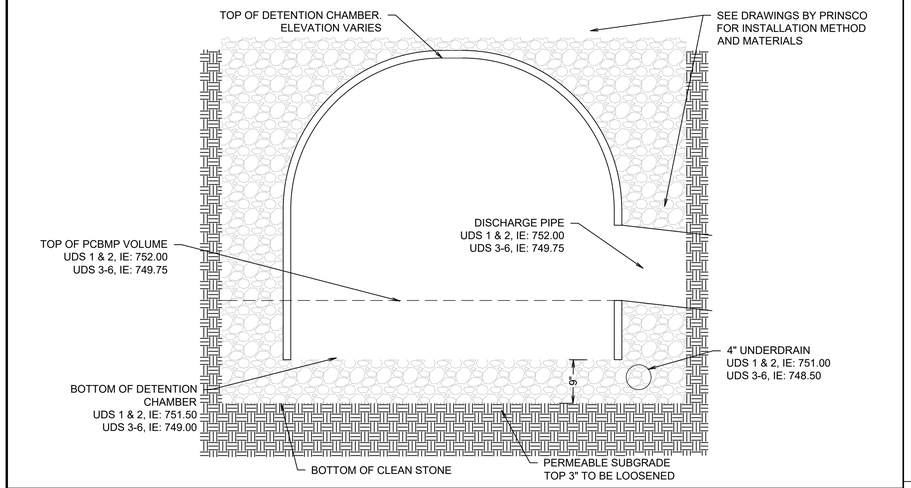
BLOCK RETAINING WALL SECTION (NON-STRUCTURAL)



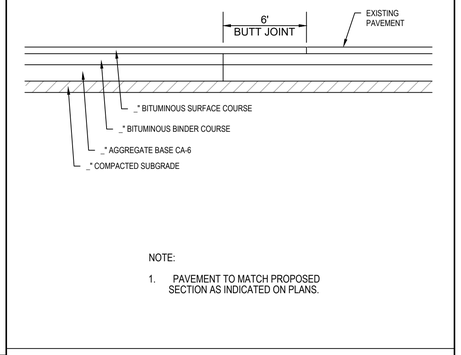
ORIFICE / WEIR RESTRICTOR STRUCTURE (ST 1-7)



ORIFICE / WEIR RESTRICTOR STRUCTURE (ST 2-2)



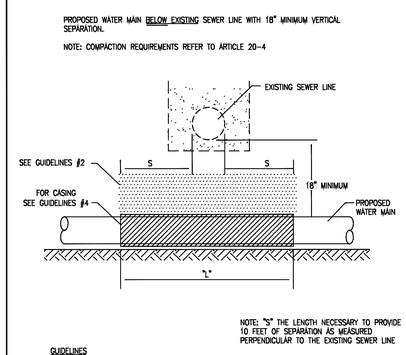
DETENTION CHAMBER UNDERDRAIN



NOTE:

1. PAVEMENT TO MATCH PROPOSED SECTION AS INDICATED ON PLANS.

BUTT JOINT



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE

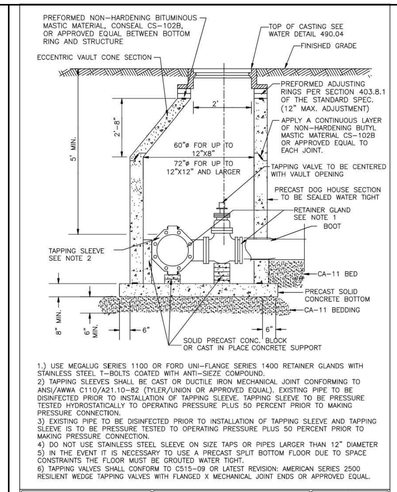
GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

WATER AND SEWER SEPARATION REQUIREMENTS

VERTICAL SEPARATION

STANDARD DRAWING NO.23



1.) USE MEGALUG SERIES 1100 OR FORD UNI-FLANGE SERIES 1400 RETAINER GLANDS WITH STAINLESS STEEL T-BOLTS COATED WITH ANTI-SIEZE COMPOUND.
2) TAPPING SLEEVES SHALL BE CAST OR DUCTILE IRON MECHANICAL JOINT CONFORMING TO ANSI/AWWA C110/A21.10-82 (TYLER/UNION OR APPROVED EQUAL). EXISTING PIPE TO BE DISINFECTED PRIOR TO INSTALLATION OF TAPPING SLEEVE. TAPPING SLEEVE TO BE PRESSURE TESTED HYDROSTATICALLY TO OPERATING PRESSURE PLUS 50 PERCENT PRIOR TO MAKING PRESSURE CONNECTION.
3) EXISTING PIPE TO BE DISINFECTED PRIOR TO INSTALLATION OF TAPPING SLEEVE AND TAPPING SLEEVE IS TO BE PRESSURE TESTED TO OPERATING PRESSURE PLUS 50 PERCENT PRIOR TO MAKING PRESSURE CONNECTION.
4) DO NOT USE STAINLESS STEEL SLEEVE ON SIZE TAPS OR PIPES LARGER THAN 12" DIAMETER
5) IN THE EVENT IT IS NECESSARY TO USE A PRECAST SPLIT BOTTOM FLOOR DUE TO SPACE CONSTRAINTS THE FLOOR MUST BE GROUTED WATER TIGHT.
6) TAPPING VALVES SHALL CONFORM TO CS15-09 OR LATEST REVISION: AMERICAN SERIES 2500 RESILIENT WEDGE TAPPING VALVES WITH FLANGED X MECHANICAL JOINT ENDS OR APPROVED EQUAL.

City of Naperville
STANDARD DETAIL

VALVE VAULT WITH CAST/DUCTILE IRON SLEEVE PRESSURE TAP

REVISED: 01/01/2013 | SHEET 1 OF 1

WATER 2

490.02

ORIGINAL ISSUE DATE: JULY 28, 2025

REVISIONS

NO.	DATE	DESCRIPTION
1	09-04-25	REVISED PER CITY COMMENTS
2	09-29-25	REVISED PER CITY COMMENTS

PROJECT NO: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

CONSTRUCTION DETAILS

THE RESIDENCES AT NAPERVILLE NAPER AND PLANK

ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

C7.3

NOTES:

1. ELECTRIC STRUCTURES AND ROUTING SHOWN FOR REFERENCE ONLY.
2. SEE FINAL PLAT OF SUBDIVISION FOR EASEMENT PROVISIONS.

LEGEND

- STORMWATER MANAGEMENT EASEMENT
- PUBLIC UTILITY & DRAINAGE EASEMENT
- STORM SEWER
- SANITARY SEWER
- WATERMAIN
- ELECTRIC LINE

STORMWATER DETENTION EASEMENT (TYP)
UNDERGROUND DETENTION (TYP)
STORM SEWER (TYP)
ELECTRIC (TYP)
SANITARY SEWER (TYP)
UTILITY EASEMENT (TYP)
WATERMAIN (TYP)

TUTHILL ROAD
NAPER BOULEVARD
WESTMORE DRIVE
BURLINGTON AVENUE
BURLINGTON CIRCLE
PLANK ROAD

TH 11
TH 12
TH 13
TH 14
TH 15
TH 16
TH 17
RH 1
RH 2
RH 3
RH 4
RH 5
RH 6
RH 7
RH 8
RH 9
RH 10

GRAPHIC SCALE
60 30 0 60
1" = 60'

REVISIONS

NO.	DATE	DESCRIPTION
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ORIGINAL ISSUE DATE: JULY 28, 2025

PROJECT NO: 241072
PROJECT MANAGER: DF
DESIGNED BY: NB
DRAWN BY: RI

EASEMENT EXHIBIT

THE RESIDENCES AT NAPER AND PLANK

NAPERVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C8.0