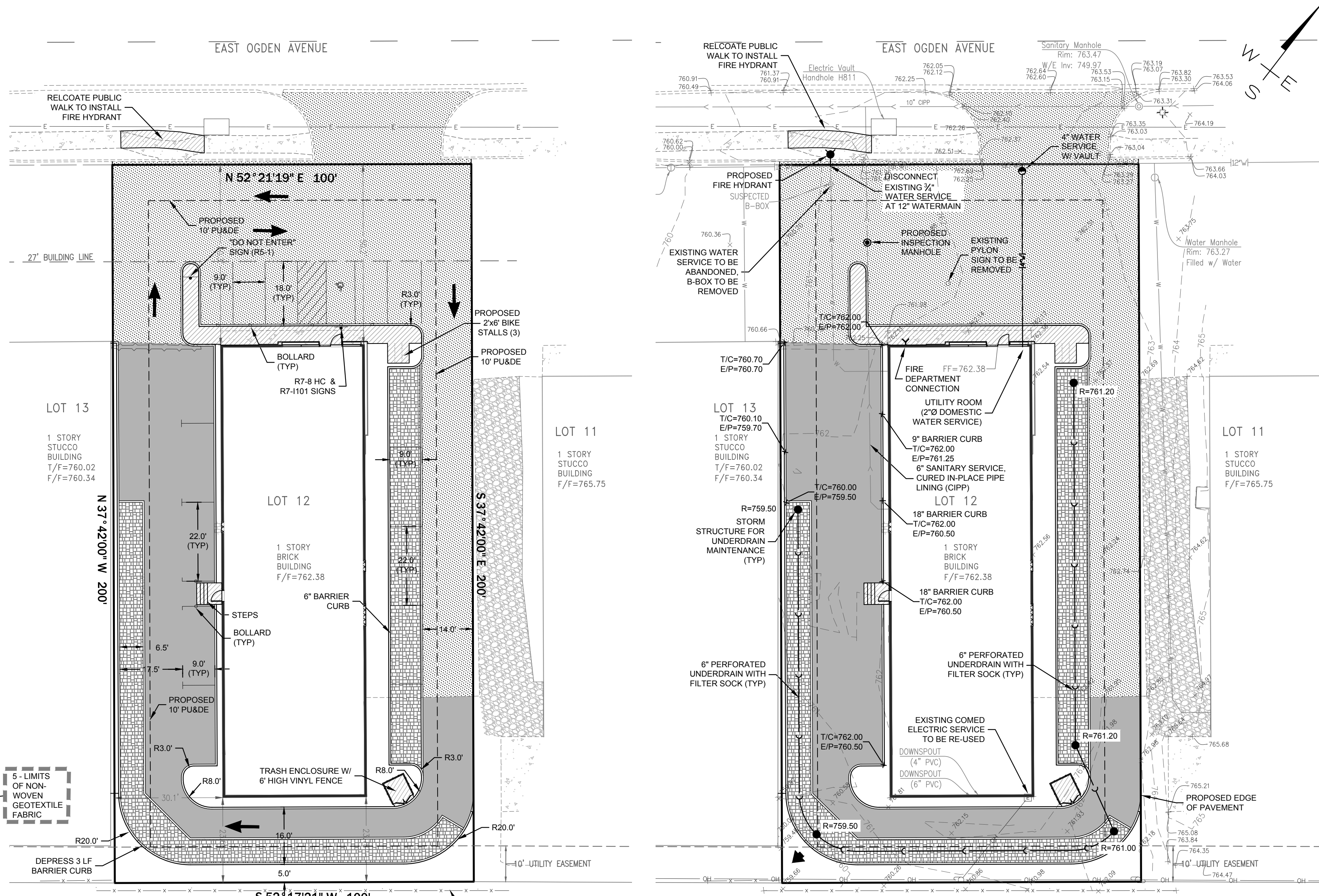
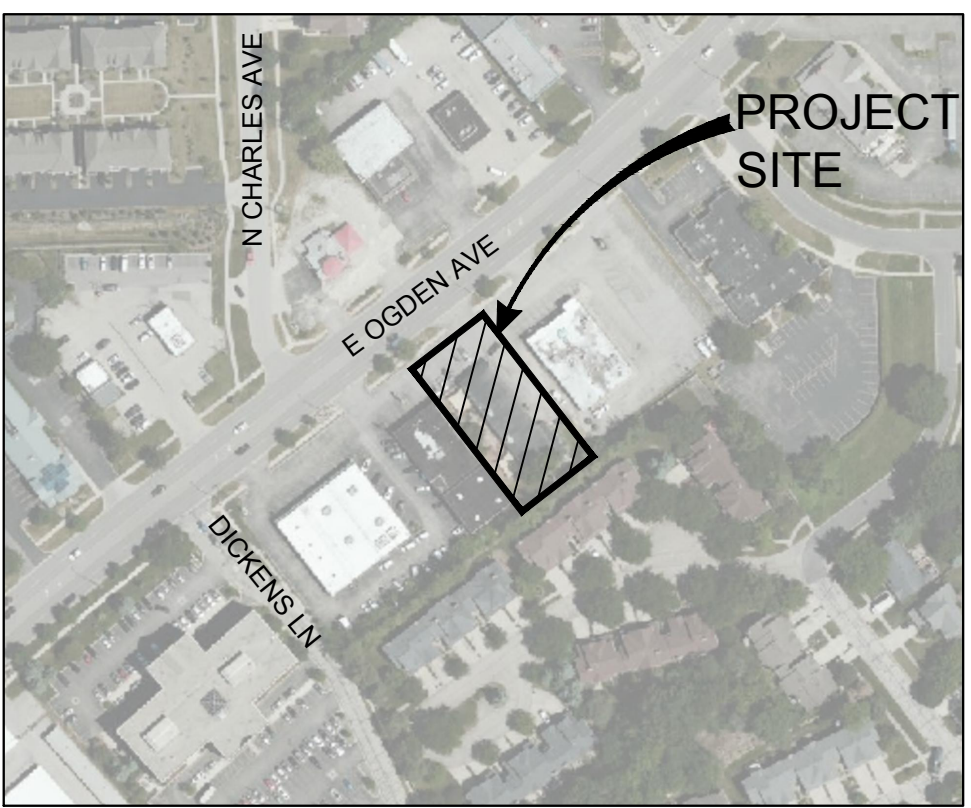


City of Naperville
STANDARD DETAIL
SANITARY SEWER MANHOLE
SHEET 1 OF 1
390.01



GEOMETRY PLAN

GRADING AND UTILITY PLAN



LOCATION MAP

BENCHMARKS

BENCHMARK: NAPERVILLE 705 RESET LOCATION 48' SOUTHEASTERLY OF OGDEN AVENUE AND 84' WEST OF COLOMBIA AVENUE. ELEVATION: 734.1 (NAVD 88)

SITE BENCHMARK: TAG BOLT OF FIRE HYDRANT APPROXIMATELY 120' NORTHEASTERLY FROM THE NORTHEASTERLY CORNER OF SURVEYED PARCEL. ELEVATION: 768.34 (NAVD 88)

LEGAL DESCRIPTION

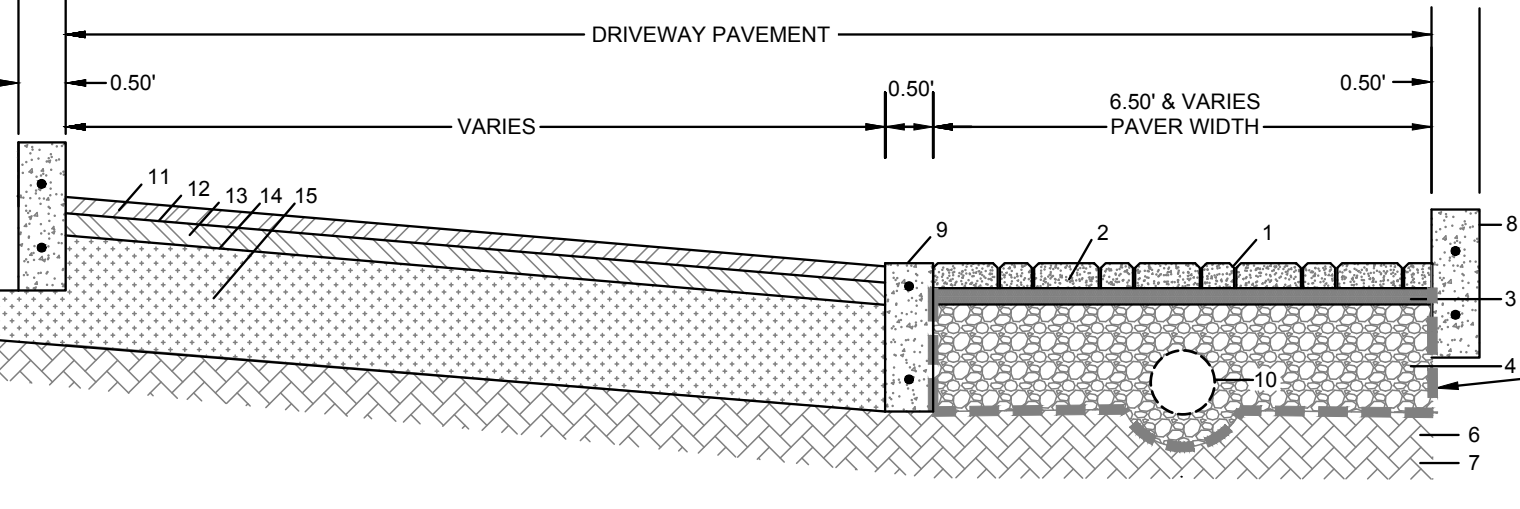
LOT 12 IN NAPER TERRACE, A SUBDIVISION OF LOT 1 OF ASSESSMENT PLAT OF PART OF SECTION 8, TOWNSHIP 38 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT OF SAID NAPER TERRACE RECORDED APRIL 17, 1957 AS DOCUMENT NO. 839229 IN DUPAGE COUNTY, ILLINOIS.

P.I.N.
08-08-300-003

- PROPOSED PERMEABLE PAVERS (2,166 SF)
- PROPOSED HMA PAVEMENT (416 SY)
- PROPOSED CONCRETE SIDEWALK (521 SF)
- PROPOSED MILL AND RESURFACE (752 SY)

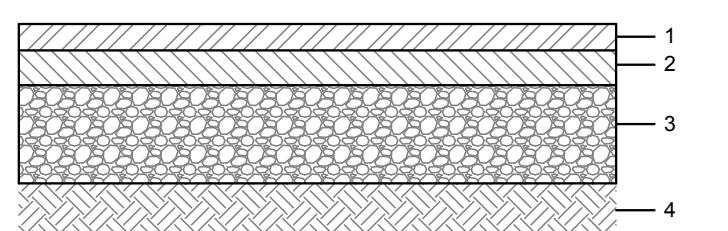
EXISTING	LEGEND	PROPOSED
◀	FLARED END SECTION	▲
⊙	STORM MANHOLE	⊙
⊠	STORM INLET	⊠
⊚	CATCH BASIN	⊚
⊙	FIRE HYDRANT	⊙
⊙	VALVE AND VAULT	⊙
⊙	VALVE BOX	⊙
⊙	B BOX	⊙
⊙	SANITARY MANHOLE	⊙
+	STREET LIGHT	+
—	STORM SEWER	—
—	WATERMAIN	—
—	SANITARY SEWER	—
—	CONTOUR	—
—	SILT FENCE	—
—	ALUMINUM FENCE	—
—	WOOD FENCE	—
—	OVERLAND FLOOD ROUTE	—

NOTES:
 1. EXISTING SITE TOPOGRAPHY COMPLETED BY DLZ INDUSTRIAL SURVEYING PER FIELD WORK COMPLETED ON APRIL 5, 2022 AND APRIL 21, 2022.
 2. THE DPUE ENGINEER FOR THIS PROJECT IS ERIC MIKSZTA. PLEASE CONTACT HIM AT (630) 420-6180 WITH ANY QUESTIONS REGARDING THE ELECTRIC SERVICE.
 3. NO ENCROACHMENTS ARE ALLOWED IN THE UTILITY EASEMENTS.
 4. DPUE REQUIRES A MINIMUM 9' OF SEPARATION BETWEEN ITS ELECTRIC FACILITIES AND ANY FIRE HYDRANTS STORM DRAINS, STORM SEWERS, WATER MAINS, GAS MAINS, ETC. THAT RUN PARALLEL TO ITS FACILITIES.



- ASTM NO. 8 JOINT AGGREGATE (CA-16)
- 3 1/8" PERMEABLE PAVERS (COLOR AND PATTERN TO BE APPROVED BY OWNER) UNILOCK ECO-OPTIC OR APPROVED EQUAL
- 2" LEVELLING COURSE (CA-16)
- 12" AGGREGATE BASE COURSE (CA-7) (95% STD PROCTOR) (36% POROSITY)
- NON-WOVEN GEOTEXTILE FABRIC
- COMPACTED SUBGRADE (95% STD PROCTOR)
- IF SOIL UNDERCUTTING IS REQUIRED, REPLACE SOIL WITH AGGREGATE BASE COURSE (CA-1)
- 6-INCH BARRIER CURB TO CONTAIN PAVERS WITH TWO (2) #4 HORIZONTAL STEEL BARS. PROVIDE 4" CA-6 SUBGRADE BENEATH CONCRETE
- 6-INCH CONCRETE RIBBON TO CONTAIN PAVERS WITH TWO (2) #4 HORIZONTAL STEEL BARS. PROVIDE 4" CA-6 SUBGRADE BENEATH CONCRETE
- 6-INCH DIAMETER PERFORATED SUBSOIL DRAIN PIPE, ASTM F 881 WITH AN ENCASUREMENT OF NON-WOVEN FILTER FABRIC FILLED WITH CA7 FILTER FABRIC SHALL HAVE A CLEARANCE OF 4 INCHES MINIMUM FROM THE OUTSIDE OF THE PERFORATED PIPE, ASTM D-3034, SDR 35 (4 INCH TO 15 INCH). NO CORRUGATED PIPE ALLOWED.
- 2" HMA SURFACE COURSE MIX D, N50
- PRIME COAT (0.10 GAL/SY)
- 2" BINDER COURSE IL 19, N50
- PRIME COAT (0.40 GAL/SY)
- 8" COMPACTED AGGREGATE, TY B BASE COURSE, (CA-6), 95% PROCTOR

PERMEABLE PAVER DETAIL N.T.S.



- 2" HMA SURFACE COURSE, MIX D, N50
- 2" HMA BINDER COURSE, IL-12.5, N50
- 10" COMPACTED AGGREGATE BASE CA-6, TYPE B
- COMPACTED SUBGRADE, 95% MODIFIED PROCTOR

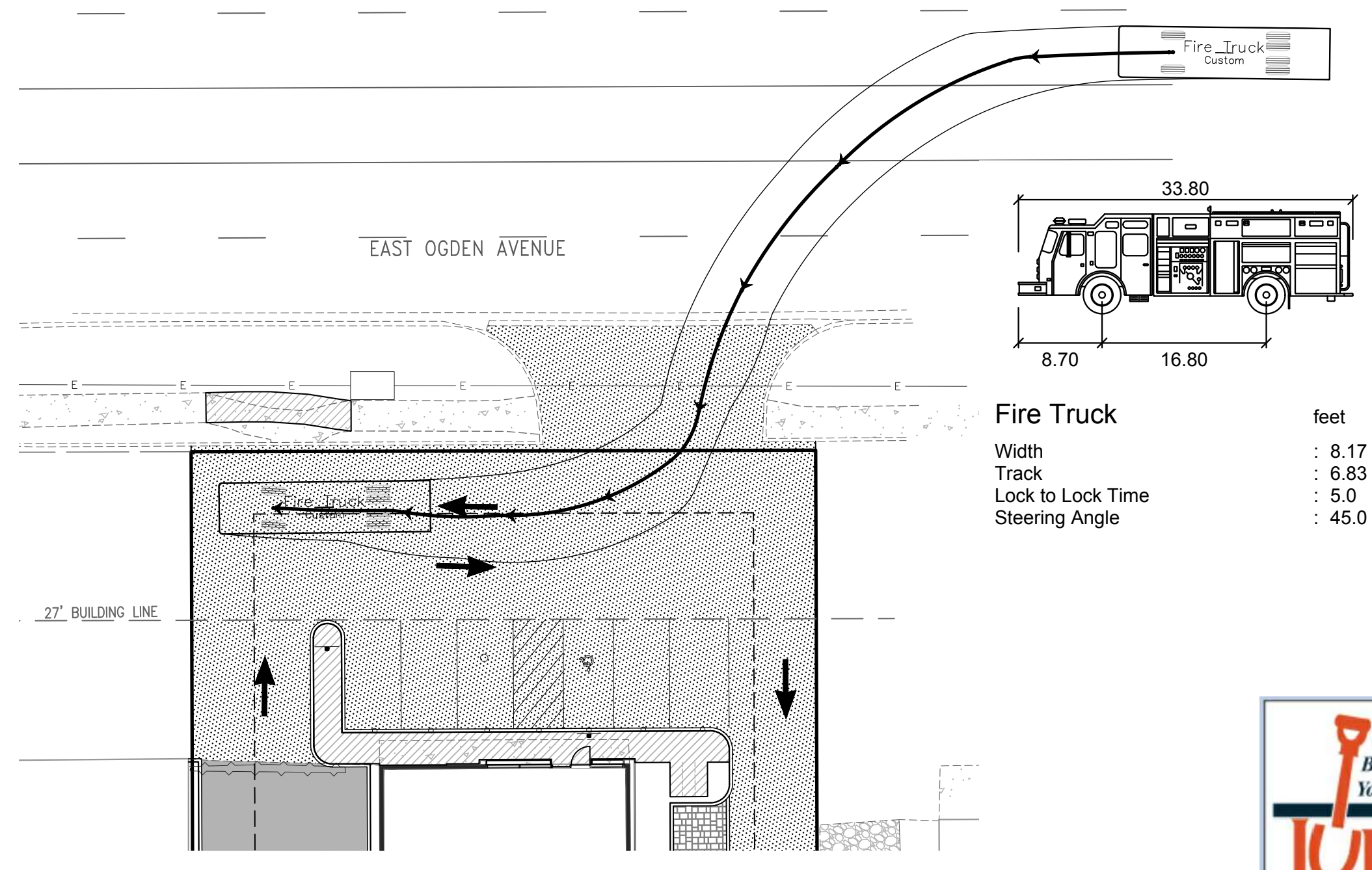
NOTES:
 1. ALL COMPACTION SHALL BE 95% MAXIMUM DRY DENSITY, AS DETERMINED BY MODIFIED PROCTOR TEST, ASTM D1557.
 2. SN = 2.56

TYPICAL PAVEMENT SECTION (HMA) N.T.S.

SITE AREA STATISTICS

	TOTAL OWNERSHIP AREA:	20,005 SF	0.46 AC
	OVERALL DISTURBED / DEVELOPMENT AREA:	20,005 SF	0.46 AC
DEVELOPMENT AREA STATISTICS			
	EXISTING CONDITIONS (SF)	EXISTING CONDITIONS (AC)	PROPOSED CONDITIONS (SF)
PERVIOUS (GRASSED) AREA	6,756	0.16	2,149
PERMEABLE PAVERS BMP AREA	0.00	0.00	2,166
IMPERVIOUS (WET POND HWL) AREA	0	0.00	0
IMPERVIOUS (BUILDING) AREA	5,035	0.12	5,035
IMPERVIOUS (PAVEMENT & CURB) AREA	8,214	0.19	10,655
TOTAL AREA	20,005	0.46	20,005
TOTAL IMPERVIOUS AREA	13,249	0.76	15,690
PERCENT IMPERVIOUS	66.2%		78.4%
NET NEW IMPERVIOUS			2,441

PARKING SUMMARY
 PARKING PROVIDED = 16 STALLS INCLUDING 1 HC SPACE



AUTOTURN PLAN



Civil Engineering & Land Development Consulting
 26316 Mapleview Drive
 Plainfield, IL 60585
 815.577.1707 T 815.577.2956 F
 www.cookengr.com



#	DATE	REVISION DESCRIPTION
1	08/20/2022	PER CITY REVIEW DATED 08/27/22
2	07/07/2022	PER CLIENT REVIEW
3	08/02/2022	REMOVED OFF-SITE IMPROVEMENTS
4	09/07/2022	PER CITY REVIEW DATED 09/26/22
5		
6		
7		
8		
9		
10		

PRELIMINARY ENGINEERING PLAN
 G&G PEDIATRIC DENTISTRY
 1108 EAST OGDEN AVENUE
 NAPERVILLE, ILLINOIS

PREPARED FOR
 APEX DESIGN BUILD, INC
 9550 W HIGGINS RD, STE 170
 ROSEMONT, IL 60018
 847-960-1784 (T)

MR. JASON BERGWERFF

CEG JOB NUMBER

2022-109

SCALE: 1" = 20'

DRAWN BY: CNW

CHECKED BY: MDC

DATE: 04/28/2022

SHEET: 1 of 1

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