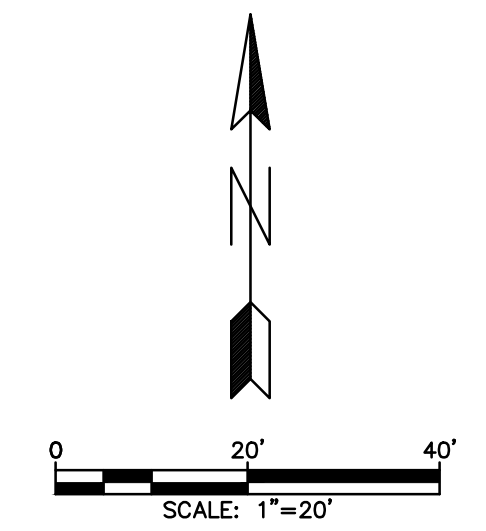


SITE DEVELOPMENT PLAN LOT 2

LOT 2 IN KANNRY SUBDIVISION, BEING A PART OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED AUGUST 2, 1995 AS DOCUMENT NUMBER R1998-277533, IN DUPAGE COUNTY, ILLINOIS.

P.I.N.: 08-28-200-022

COMMONLY KNOWN AS: 85201 COLLEGE ROAD, NAPERVILLE, ILLINOIS



LOT 1

EXISTING IMPERVIOUS AREA	
BRICK DRIVEWAY	9,133 S.F.
ASPHALT DRIVEWAY	2,535 S.F.
BRICK WALK	690 S.F.
RESIDENCE	5,606 S.F.
WOOD DECK	911 S.F.
STONE PORCH	189 S.F.
BRICK PATIO	1,931 S.F.
POOL & SPA	1,005 S.F.
POOL HOUSE	657 S.F.
CONCRETE PAD	78 S.F.
SHED	67 S.F.
POOL EQUIPMENT PAD	36 S.F.
TOTAL	22,838 S.F.

EXISTING IMPERVIOUS AREA (TO BE REMOVED)	
BRICK WALK	22 S.F.
TOTAL	22 S.F.

PROPOSED IMPERVIOUS AREA	
TOTAL	0 S.F.

NET NEW IMPERVIOUS AREA FOR LOT 1 = 0 S.F.

LOT 2

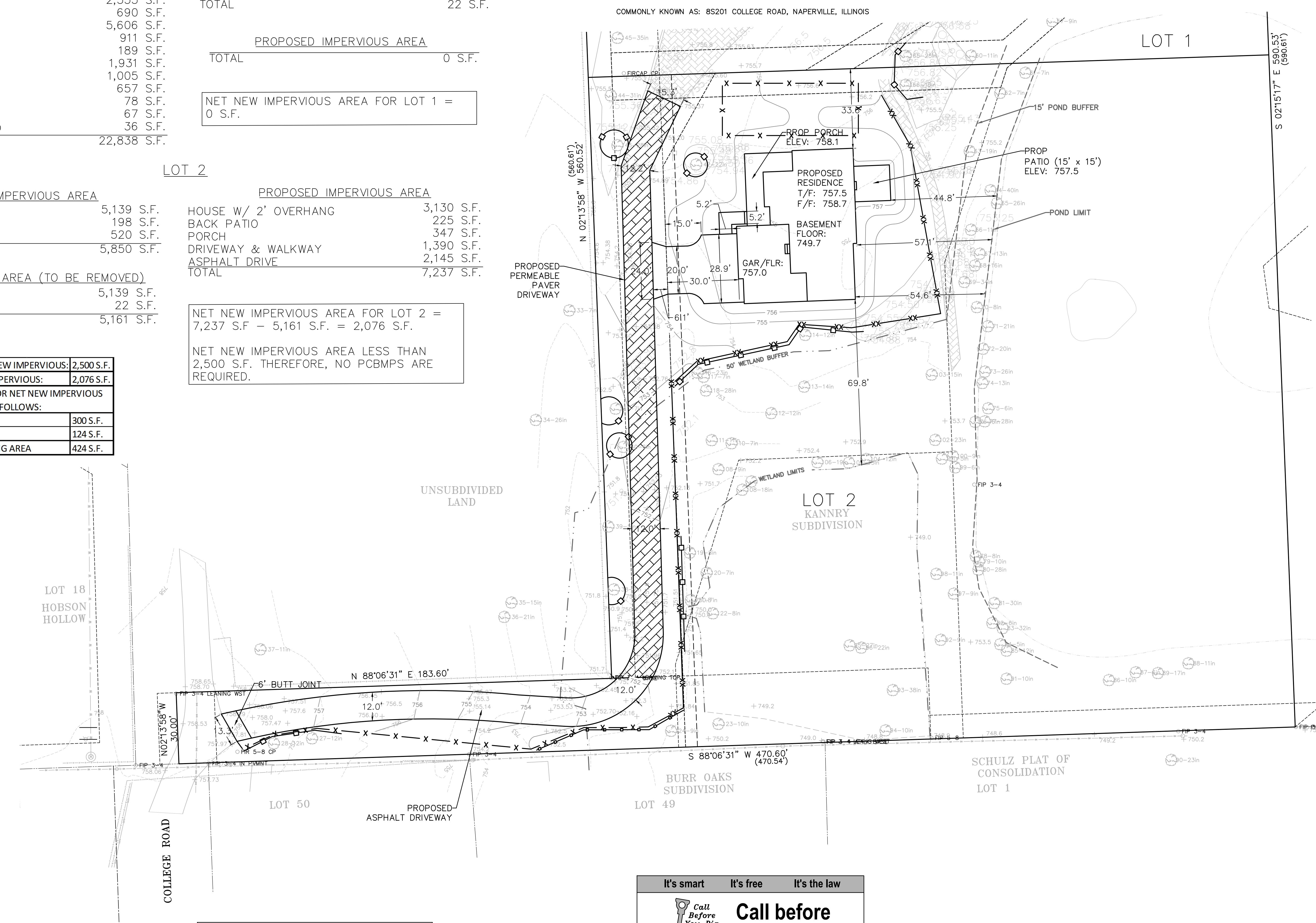
EXISTING IMPERVIOUS AREA	
ASPHALT DRIVEWAY	5,139 S.F.
BRICK DRIVEWAY	198 S.F.
BRICK WALK	520 S.F.
TOTAL	5,850 S.F.

PROPOSED IMPERVIOUS AREA	
HOUSE W/ 2' OVERHANG	3,130 S.F.
BACK PATIO	225 S.F.
PORCH	347 S.F.
DRIVEWAY & WALKWAY	1,390 S.F.
ASPHALT DRIVE	2,145 S.F.
TOTAL	7,237 S.F.

NET NEW IMPERVIOUS AREA FOR LOT 2 = 7,237 S.F. - 5,161 S.F. = 2,076 S.F.

NET NEW IMPERVIOUS AREA LESS THAN 2,500 S.F. THEREFORE, NO PCBMPs ARE REQUIRED.

TOTAL ALLOWABLE NET NEW IMPERVIOUS:	2,500 S.F.
TOTAL NET NEW IMPERVIOUS:	2,076 S.F.
FUTURE ALLOCATION FOR NET NEW IMPERVIOUS AREA AS FOLLOWS:	
LOT 1	300 S.F.
LOT 2	124 S.F.
TOTAL REMAINING AREA	424 S.F.



- LEGEND**
- - - - - EX. SANITARY LINE
 - - - - - EX. STORM LINE
 - - - - - EX. WATER LINE
 - - - - - EX. UNDERGROUND CABLE (APPROXIMATE LOCATION)
 - - - - - EX. UNDERGROUND ELECTRIC (APPROXIMATE LOCATION)
 - - - - - EX. UNDERGROUND GAS (APPROXIMATE LOCATION)
 - - - - - EX. UNDERGROUND TELEPHONE (APPROXIMATE LOCATION)
 - - - - - EX. FENCE
 - - - - - EX. OVERHEAD WIRE (APPROXIMATE LOCATION)
 - - - - - EX. CONTOURS
 - - - - - DOUBLE ROW SILT FENCE
 - - - - - TREE PROTECTION FENCE
 - - - - - PROPOSED CONTOURS
 - - - - - WETLAND BOUNDARY AND BUFFER
 - - - - - POND BOUNDARY AND BUFFER
 - - - - - PROPOSED PERMEABLE PAVERS
 - EX. SANITARY MANHOLE
 - EX. STORM CATCH BASIN
 - EX. STORM FLARED END SECTION
 - EX. STORM INLET
 - EX. STORM MANHOLE
 - EX. VALVE VAULT
 - EX. FIRE HYDRANT
 - EX. SPOT ELEVATION
 - EX. CONIFEROUS TREE W/TRUNK SIZE IN INCHES
 - EX. DECIDUOUS TREE W/TRUNK SIZE IN INCHES

- ABBREVIATIONS**
- | | |
|-----------|--------------------------|
| ACU | AIR CONDITIONER UNIT |
| BC | BACK OF CURB |
| BM | BENCHMARK |
| CONC | CONCRETE |
| CPP | CORRUGATED PLASTIC PIPE |
| DS | DOWNSPOUT |
| E | EAST |
| EM | ELECTRIC METER |
| EP | EDGE OF PAVEMENT |
| FF | FINISHED FLOOR |
| GF | GARAGE FLOOR |
| GM | GAS METER |
| INV | INVERT |
| N | NORTH |
| PEDC | CABLE PEDESTAL |
| PEDE | ELECTRIC PEDESTAL |
| PEDT | TELEPHONE PEDESTAL |
| PVC | POLYVINYL CHLORIDE PIPE |
| R | RADIUS |
| RCP | REINFORCED CONCRETE PIPE |
| S | SOUTH |
| TF | TOP OF FOUNDATION |
| TRANS | TRANSFORMER |
| T/ | TOP OF |
| VCP | VITRIFIED CLAY PIPE |
| W | WEST |
| XXX.XX' | MEASURED DIMENSION |
| (XXX.XX') | RECORD DIMENSION |

TOPOGRAPHY NOTE:
TOPOGRAPHY LINE WORK SHOWN HEREON (INCLUDING TREES & CONTOURS) PER ELECTRONIC FILE RECEIVED FROM GASPEREC ELBERTS CONSULTING, LLC ON 06/18/2021.
FOR CITY OF NAPERVILLE SURVEY MONUMENT, PLEASE SEE SHEET 11.

PREPARED FOR: DJK CUSTOM HOMES

DRAWN BY: AEC		35701 WEST AVENUE, SUITE 150 WARRENVILLE, ILLINOIS 60055 PHONE (630) 393-3060 FAX (630) 393-2152	10 S. RIVERSIDE PLAZA, SUITE 875 CHICAGO, ILLINOIS 60606 PHONE (312) 474-7841 FAX (312) 474-6099	2416 GALEN DRIVE CHAMPAIGN, ILLINOIS 61821 PHONE (217) 351-6268 FAX (217) 355-1902
CHECKED BY: JPG		ENGINEERING RESOURCE ASSOCIATES		
APPROVED BY: JPG				

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ILLINOIS ONE-CALL SYSTEM

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800.892.0123

REVISED DATE: NOVEMBER, 2, 2021
REVISED DATE: AUGUST 20, 2021
REVISED DATE: AUGUST 11, 2021
SITE PLAN DATED: JULY 22, 2021

CITY OF NAPERVILLE PROJECT #21-10000101

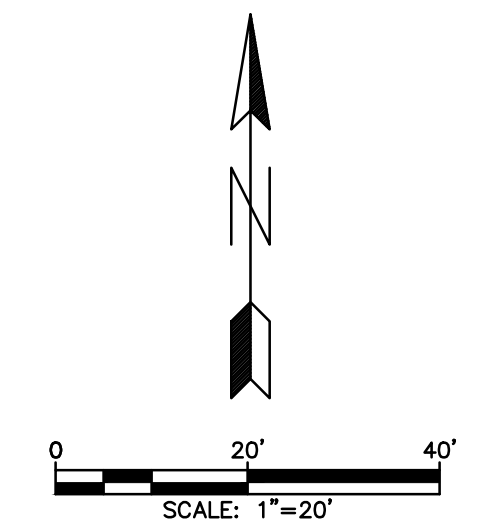
SHEET 1 OF 12 PROFESSIONAL DESIGN FIRM NUMBER: 184.001186



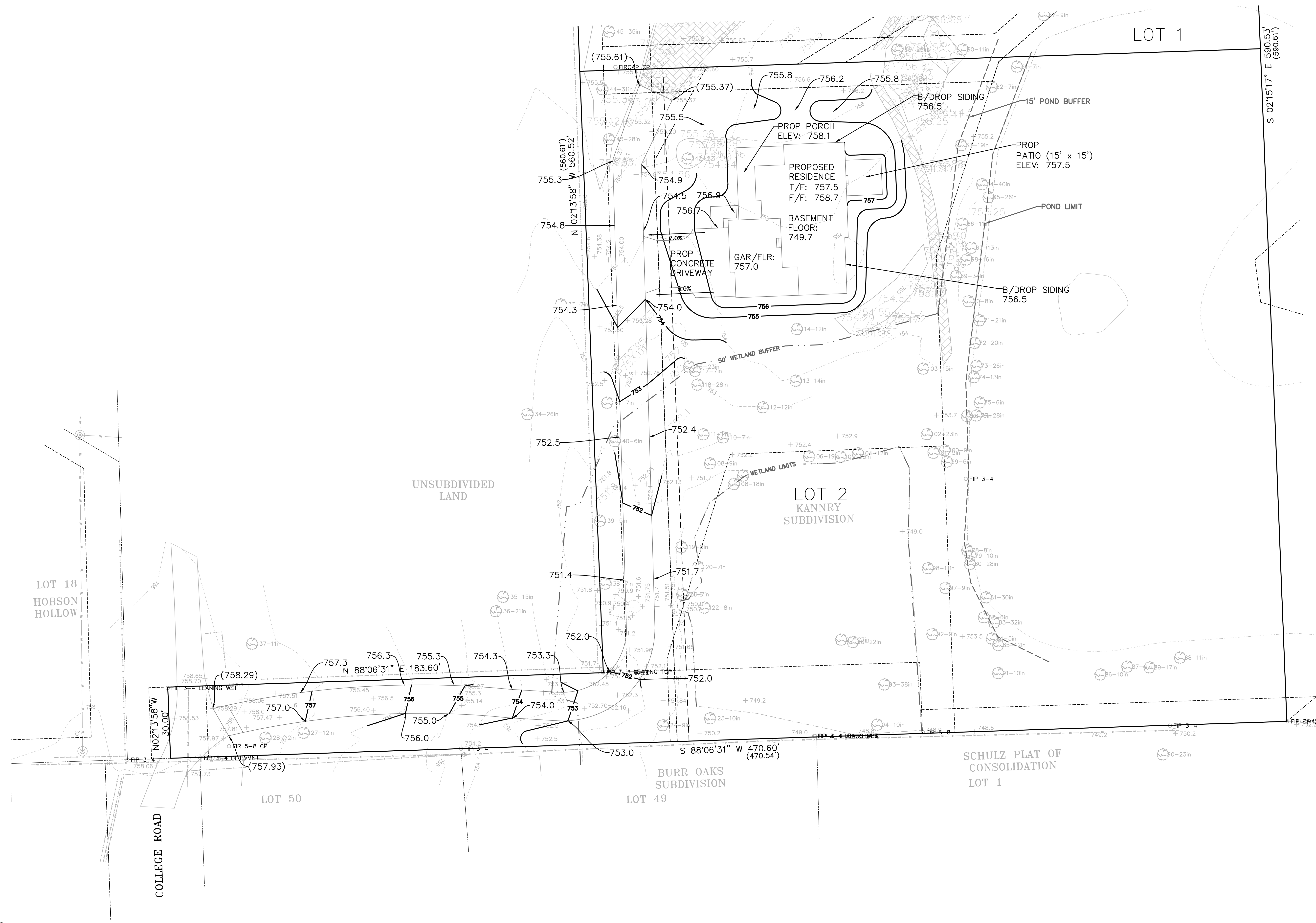
Jon P. Green, P.E.
IL. P.E. NO. 062-052108
Expires November 30, 2021

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GRADING PLAN



- LEGEND**
- = PROPOSED CONTOURS
 - = WETLAND BOUNDARY AND BUFFER
 - = POND BOUNDARY AND BUFFER
 - = DROP SIDING AT 756.5

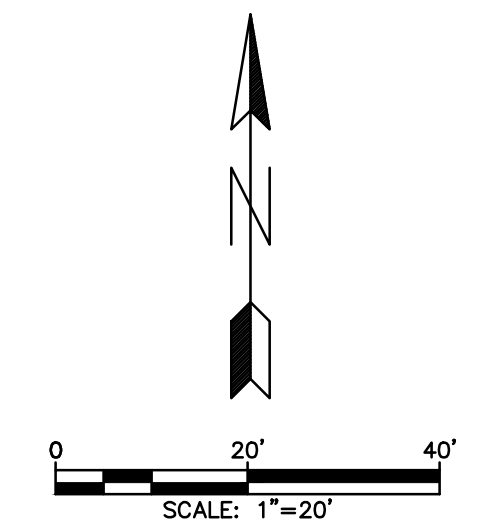


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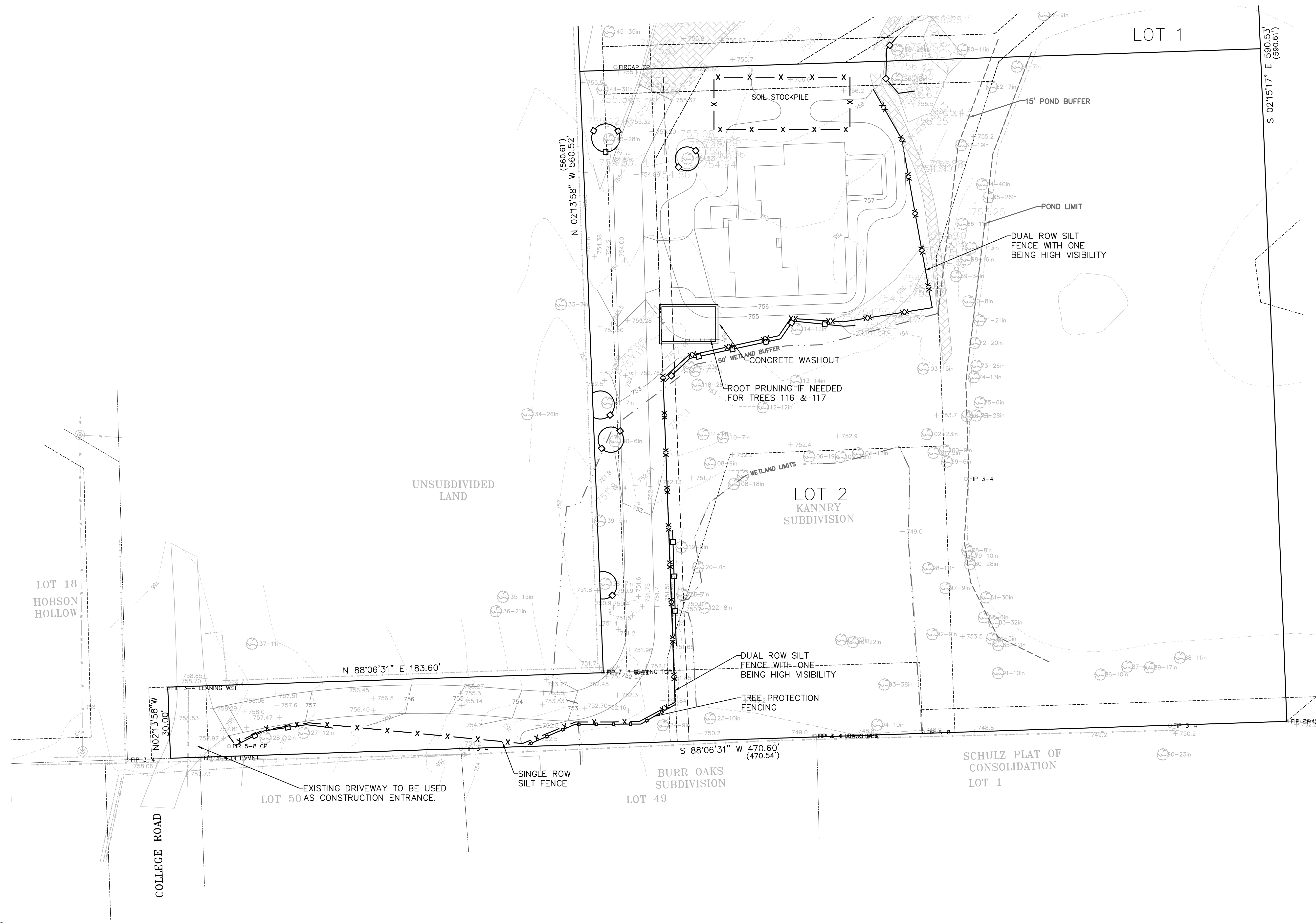
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EROSION CONTROL PLAN



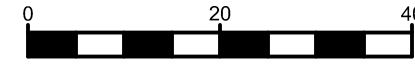
- LEGEND**
- - - - - = SINGLE ROW SILT FENCE
 - - - - - = DOUBLE ROW SILT FENCE
 - - - - - = TREE PROTECTION FENCE
 - - - - - = WETLAND BOUNDARY AND BUFFER
 - - - - - = POND BOUNDARY AND BUFFER



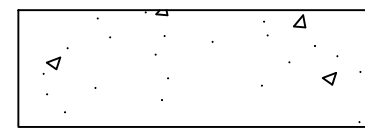
PREPARED FOR: DJK CUSTOM HOMES

ENGINEERING RESOURCE ASSOCIATES	35701 WEST AVENUE, SUITE 150 WARRENVILLE, ILLINOIS 60555 PHONE (630) 393-3060 FAX (630) 393-2152	10 S. RIVERSIDE PLAZA, SUITE 875 CHICAGO, ILLINOIS 60606 PHONE (312) 474-7841 FAX (312) 474-6099	2416 GALEN DRIVE CHAMPAIGN, ILLINOIS 61821 PHONE (217) 351-6268 FAX (217) 355-1902
	DRAWN BY: AEC CHECKED BY: JPG APPROVED BY: JPG		
	PROJECT: D:\KustomHomes\W21154-00_85201 Old College Rd., Naperville, Burke CAD\W21154 Site Engineering Plan.dwg SHEET: 3 OF 12 DATE: 11/2/2021		

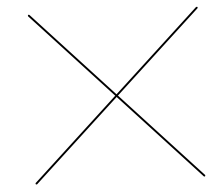
EXISTING CONDITIONS AND DEMOLITION PLAN



DEMOLITION LEGEND



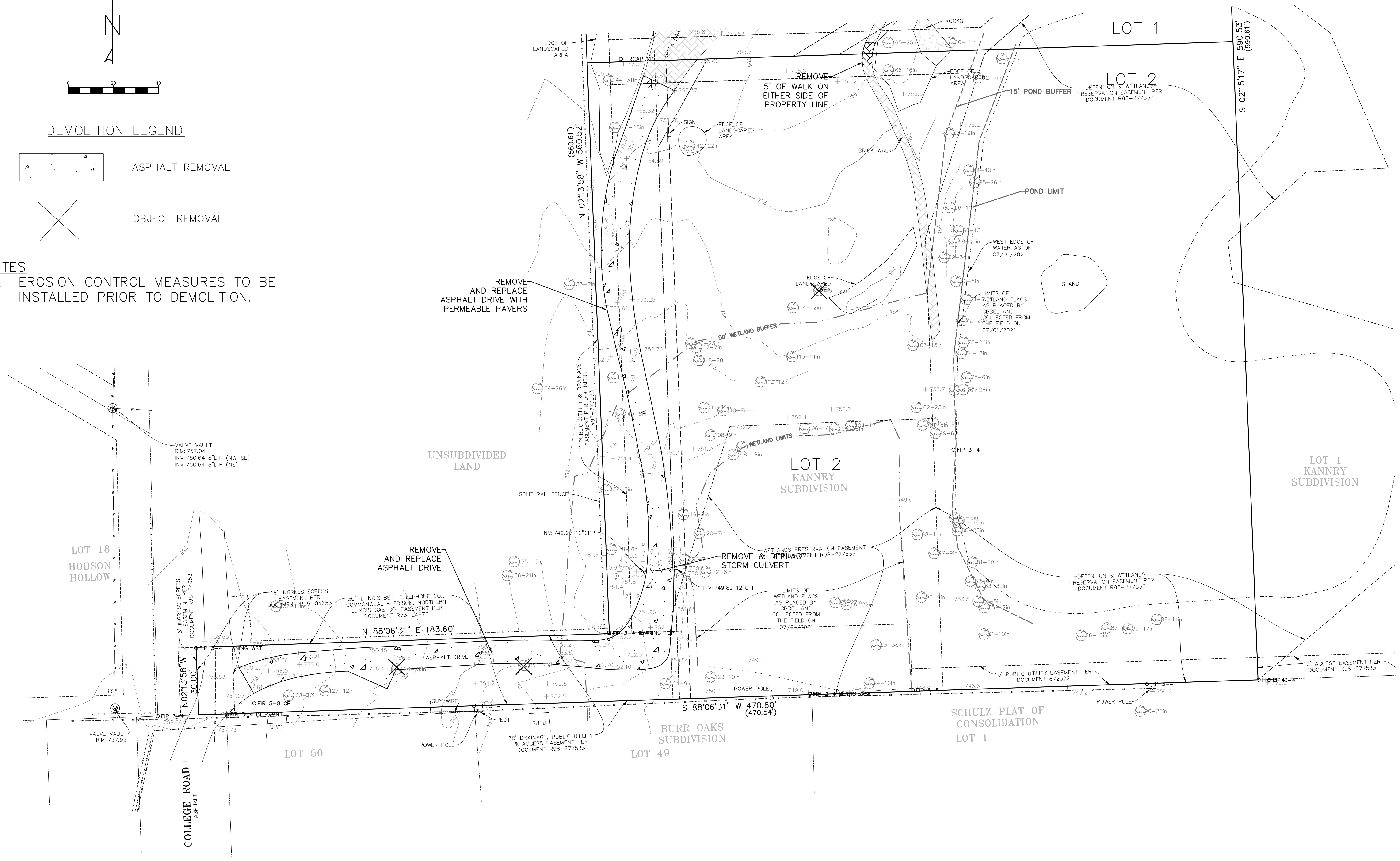
ASPHALT REMOVAL



OBJECT REMOVAL

NOTES

1. EROSION CONTROL MEASURES TO BE INSTALLED PRIOR TO DEMOLITION.



PREPARED FOR: DJK CUSTOM HOMES

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35701 WEST AVENUE, SUITE 150
 WARRENVILLE, ILLINOIS 60065
 PHONE (630) 393-3060
 FAX (630) 393-2152

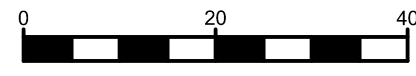
10 S. RIVERSIDE PLAZA, SUITE 875
 CHICAGO, ILLINOIS 60606
 PHONE (312) 474-7841
 FAX (312) 474-6099

2416 GALEN DRIVE
 CHAMPAIGN, ILLINOIS 61821
 PHONE (217) 351-6268
 FAX (217) 355-1902

PLAN REVISED: AUGUST 20, 2021
 PLAN DATED: JULY 27, 2021

SHEET 4 OF 12 PROFESSIONAL DESIGN FIRM NUMBER: 184.001186

UTILITY PLAN SHEET 1



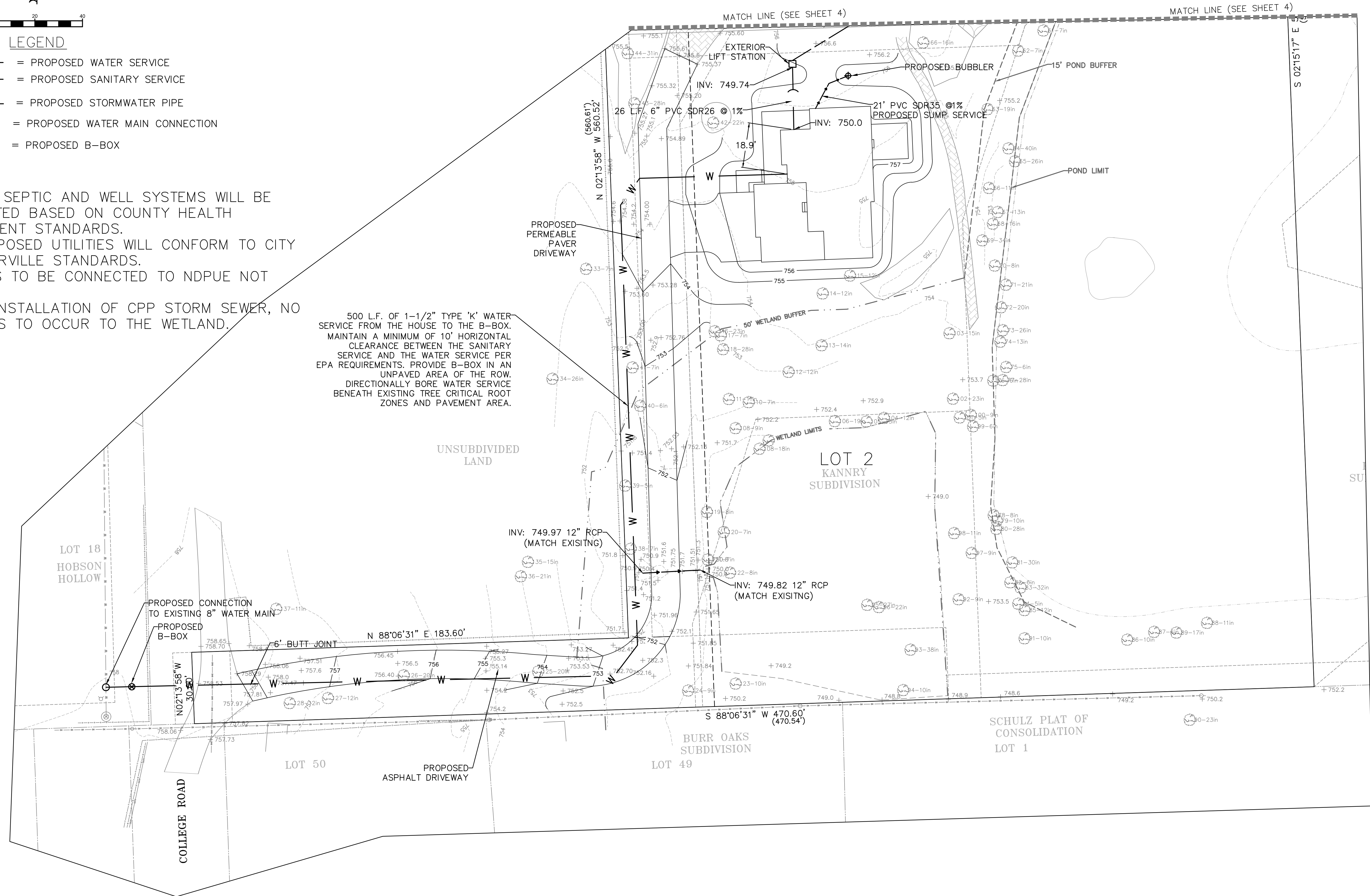
LEGEND

- = PROPOSED WATER SERVICE
- = PROPOSED SANITARY SERVICE
- = PROPOSED STORMWATER PIPE
- = PROPOSED WATER MAIN CONNECTION
- = PROPOSED B-BOX

NOTES

1. EXISTING SEPTIC AND WELL SYSTEMS WILL BE TERMINATED BASED ON COUNTY HEALTH DEPARTMENT STANDARDS.
2. ALL PROPOSED UTILITIES WILL CONFORM TO CITY OF NAPERVILLE STANDARDS.
3. HOUSE IS TO BE CONNECTED TO NDPUE NOT COMED.
4. DURING INSTALLATION OF CPP STORM SEWER, NO IMPACT IS TO OCCUR TO THE WETLAND.

500 L.F. OF 1-1/2" TYPE 'K' WATER SERVICE FROM THE HOUSE TO THE B-BOX. MAINTAIN A MINIMUM OF 10' HORIZONTAL CLEARANCE BETWEEN THE SANITARY SERVICE AND THE WATER SERVICE PER EPA REQUIREMENTS. PROVIDE B-BOX IN AN UNPAVED AREA OF THE ROW. DIRECTIONALLY BORE WATER SERVICE BENEATH EXISTING TREE CRITICAL ROOT ZONES AND PAVEMENT AREA.



PREPARED FOR: DJK CUSTOM HOMES

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 CHECKED BY: JPG
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35701 WEST AVENUE, SUITE 150
 WARRENVILLE, ILLINOIS 60555
 PHONE (630) 393-3060
 FAX (630) 393-2152

10 S. RIVERSIDE PLAZA, SUITE 875
 CHICAGO, ILLINOIS 60606
 PHONE (312) 474-7841
 FAX (312) 474-6099

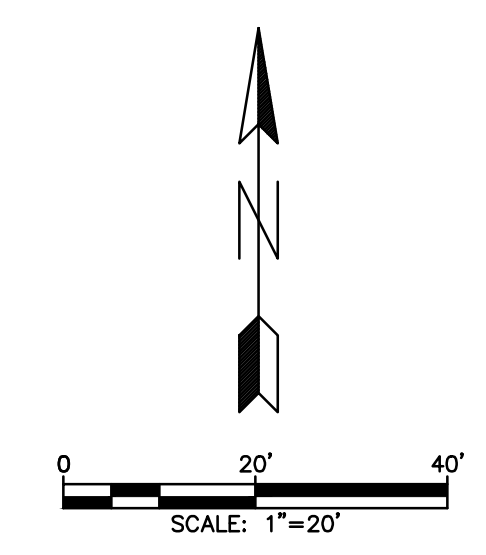
2416 GALEN DRIVE
 CHAMPAIGN, ILLINOIS 61821
 PHONE (217) 351-6268
 FAX (217) 355-1902

PLAN DATED: AUGUST 19, 2021

SHEET 5 OF 12

PROFESSIONAL DESIGN FIRM NUMBER: 184.001186

UTILITY PLAN SHEET 2

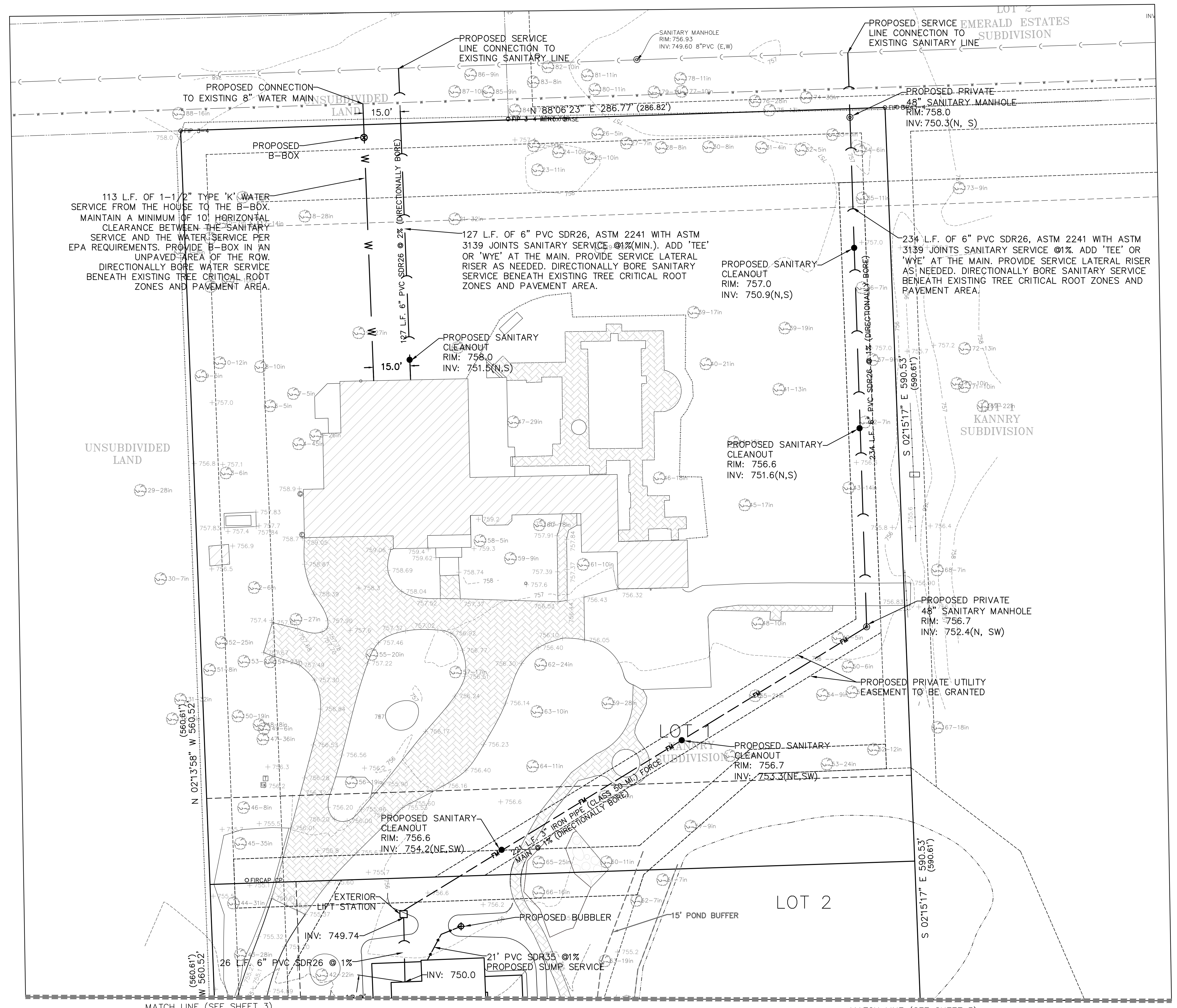


LEGEND

- = PROPOSED SANITARY SERVICE
- = PROPOSED WATER SERVICE
- = PROPOSED SANITARY MANHOLE
- = PROPOSED SANITARY CLEANOUT
- = PROPOSED B-BOX

NOTES

1. SANITARY EASEMENTS TO BE DEDICATED PRIOR TO SANITARY SERVICE INSTALLATION.
2. EXISTING SEPTIC AND WELL SYSTEMS WILL BE TERMINATED BASED ON COUNTY HEALTH DEPARTMENT STANDARDS.
3. ALL PROPOSED UTILITIES WILL CONFORM TO CITY OF NAPERVILLE STANDARDS.
4. BOTH RESIDENCES WILL BE SERVICED VIA OVERHEAD SEWERS
5. FORCEMAIN IS TO BE INSULATED ACCORDING TO THE CITY DETAIL ON SHEET 11
6. SANITARY CLEANOUTS AND MANHOLES ARE TO BE PLACED AFTER PIPES ARE DIRECTIONALLY BORED.



PREPARED FOR: DJK CUSTOM HOMES

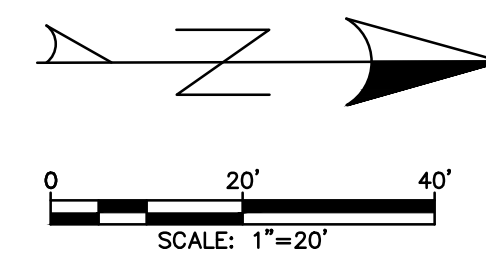
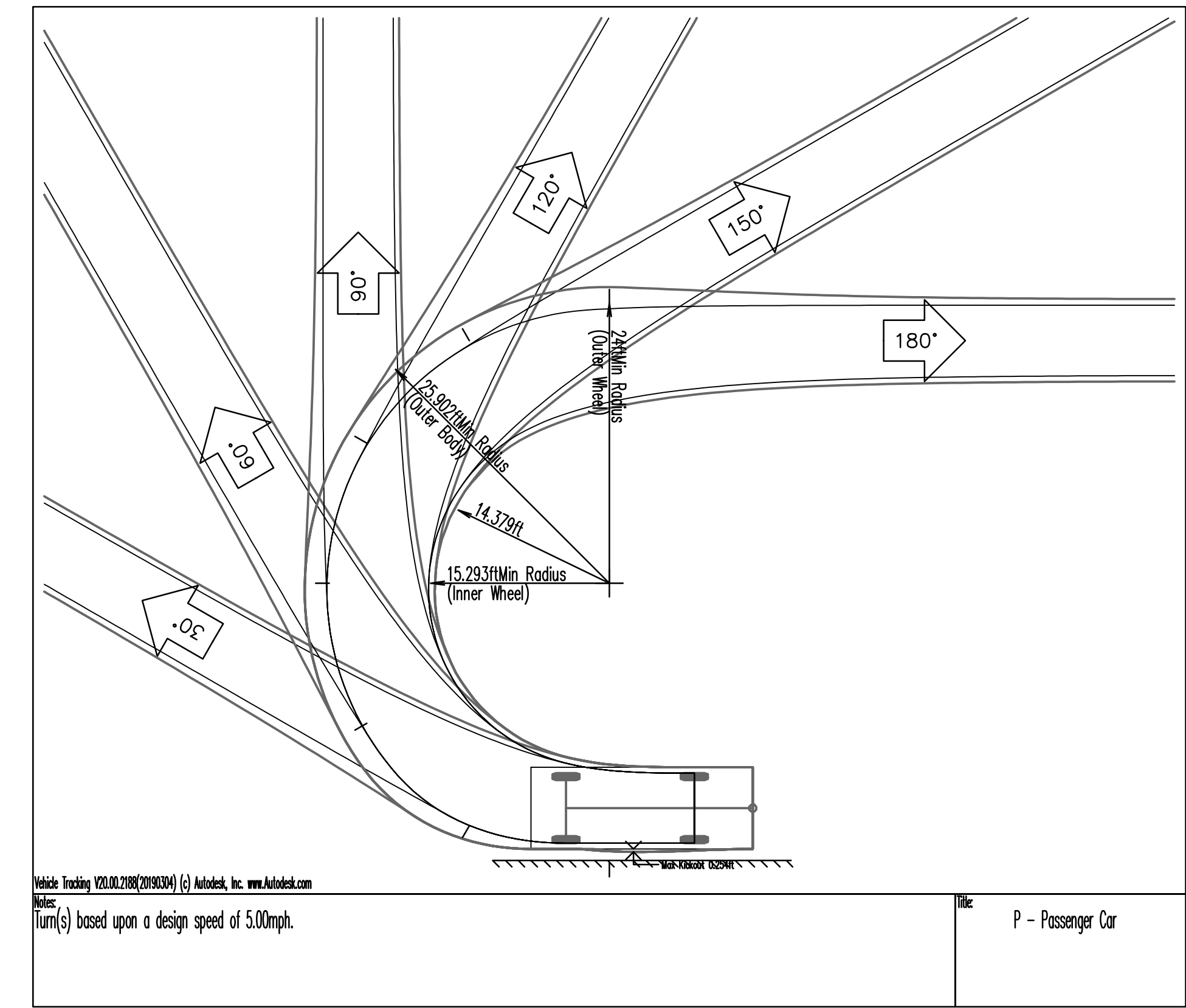
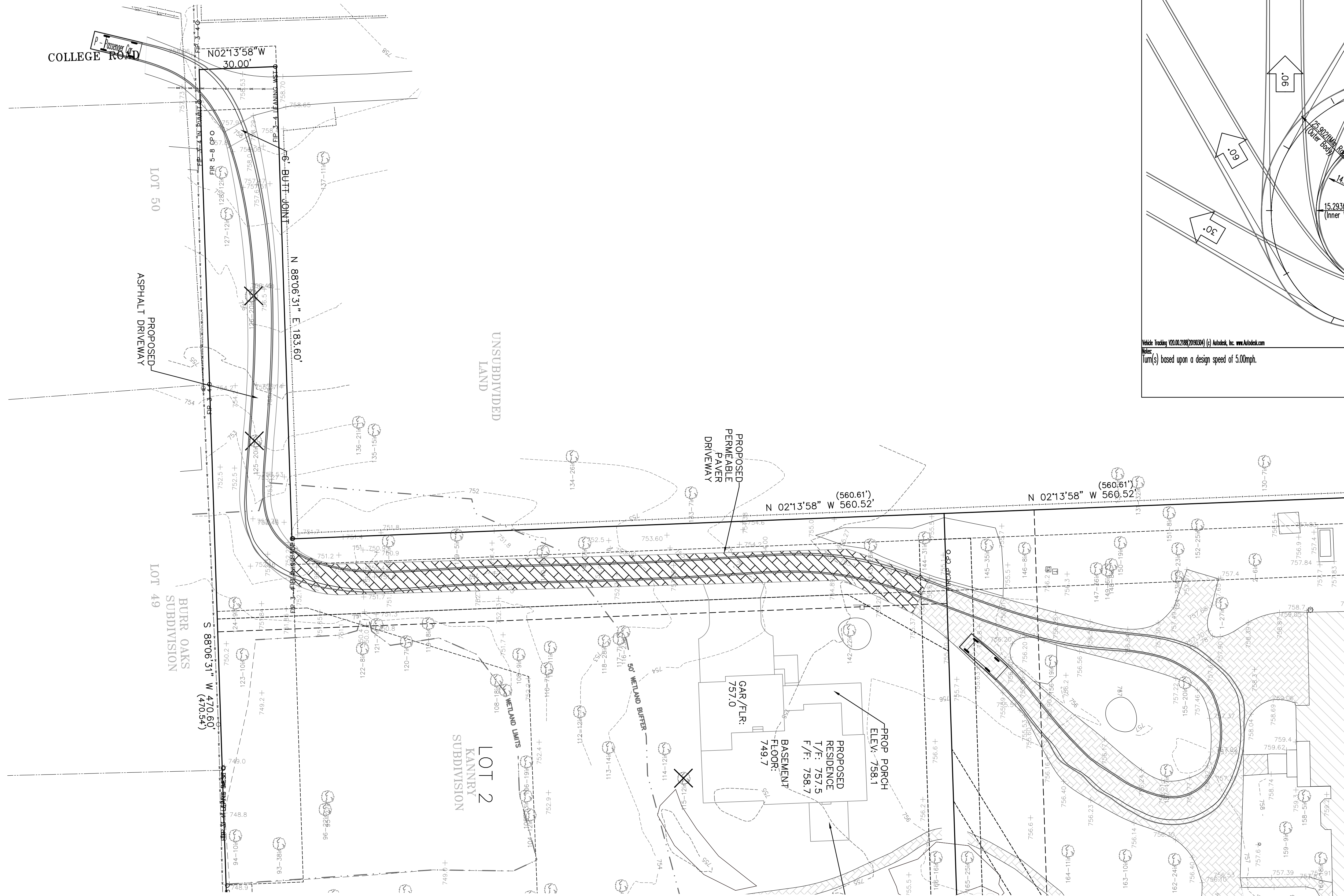
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REVISED DATE: NOVEMBER 2, 2021
PLAN DATED: AUGUST 19, 2021

SHEET 6 OF 12 PROFESSIONAL DESIGN FIRM NUMBER: 184.001186

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TURN ANALYSIS



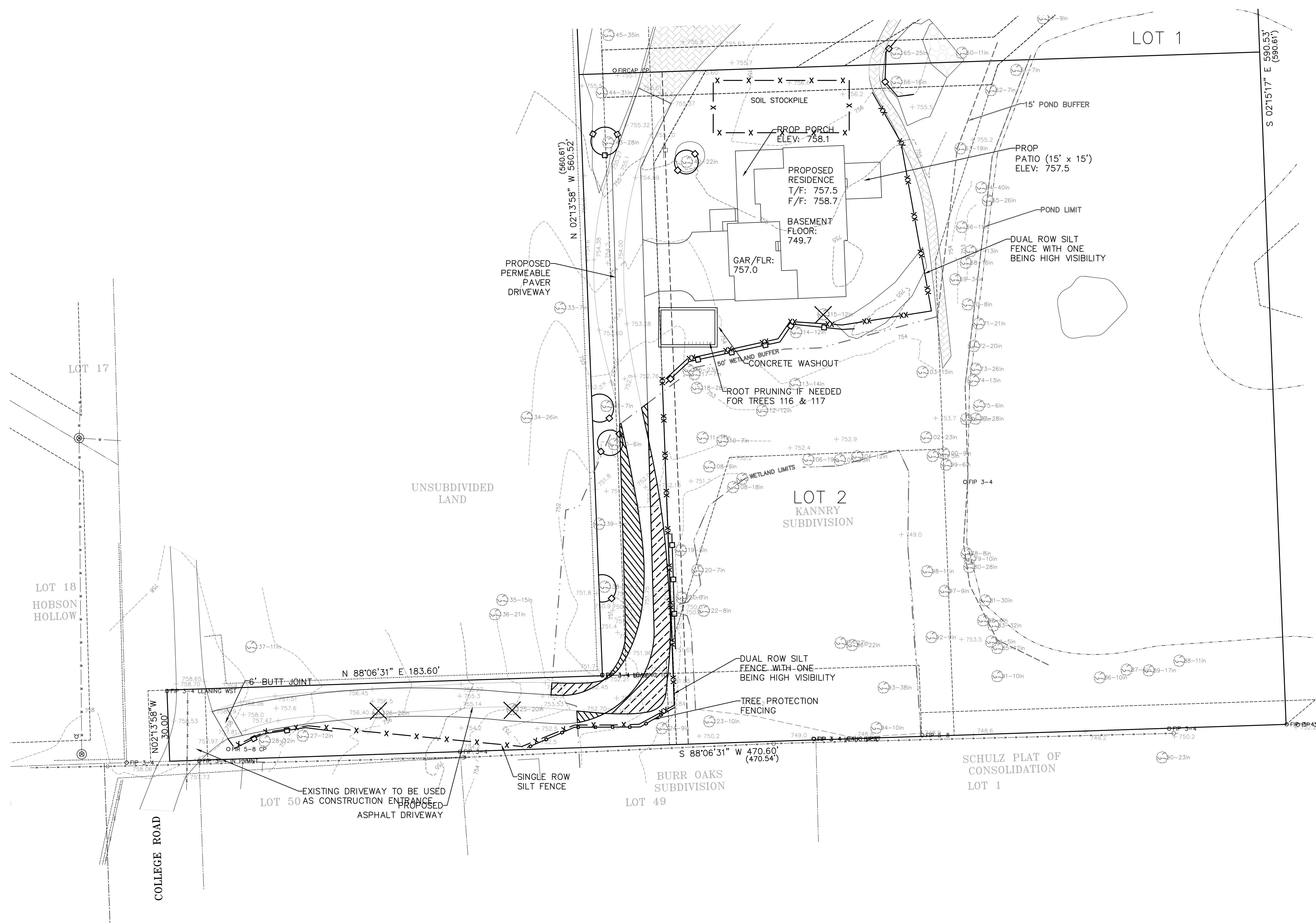
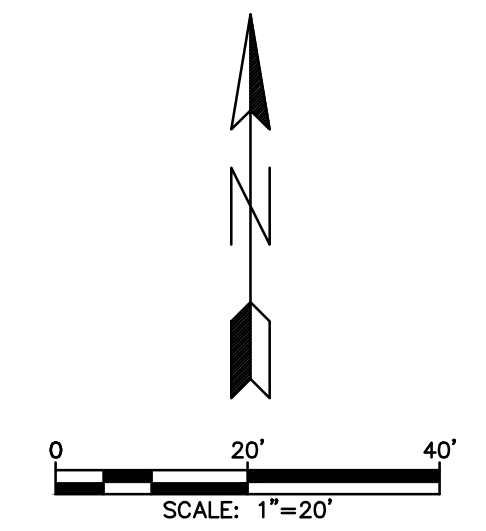
PREPARED FOR: DJK CUSTOM HOMES
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 CHECKED BY: JPG
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ENGINEERING RESOURCE ASSOCIATES
 35701 WEST AVENUE, SUITE 150
 WARRENVILLE, ILLINOIS 60055
 PHONE (630) 393-3060
 FAX (630) 393-2152

10 S. RIVERSIDE PLAZA, SUITE 875
 CHICAGO, ILLINOIS 60606
 PHONE (312) 474-7841
 FAX (312) 474-6099

2416 GALEN DRIVE
 CHAMPAIGN, ILLINOIS 61821
 PHONE (217) 351-6268
 FAX (217) 355-1902

WETLAND BUFFER IMPACT PLAN



LEGEND

- BUFFER IMPACT AREA – TURF TO DRIVEWAY (.015 ACRE)
- BUFFER ENHANCEMENT AREA – DRIVEWAY TO TURF (.020 ACRE)
- = SINGLE ROW SILT FENCE
- = DOUBLE ROW SILT FENCE
- = TREE PROTECTION FENCE

PREPARED FOR: DJK CUSTOM HOMES

<p>DRAWN BY: AEC</p> <p>CHECKED BY: JPG</p> <p>APPROVED BY: JPG</p>		<p>ENGINEERING RESOURCE ASSOCIATES</p> <p>35701 WEST AVENUE, SUITE 150 WARRENVILLE, ILLINOIS 60555 PHONE (630) 393-3060 FAX (630) 393-2152</p>	<p>10 S. RIVERSIDE PLAZA, SUITE 875 CHICAGO, ILLINOIS 60606 PHONE (312) 474-7841 FAX (312) 474-6099</p>	<p>2416 GALEN DRIVE CHAMPAIGN, ILLINOIS 61821 PHONE (217) 351-6268 FAX (217) 355-1902</p>
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PLAN DATED: AUGUST 27, 2021

SHEET 8 OF 12

PROFESSIONAL DESIGN FIRM NUMBER: 184.001186

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NOTES:

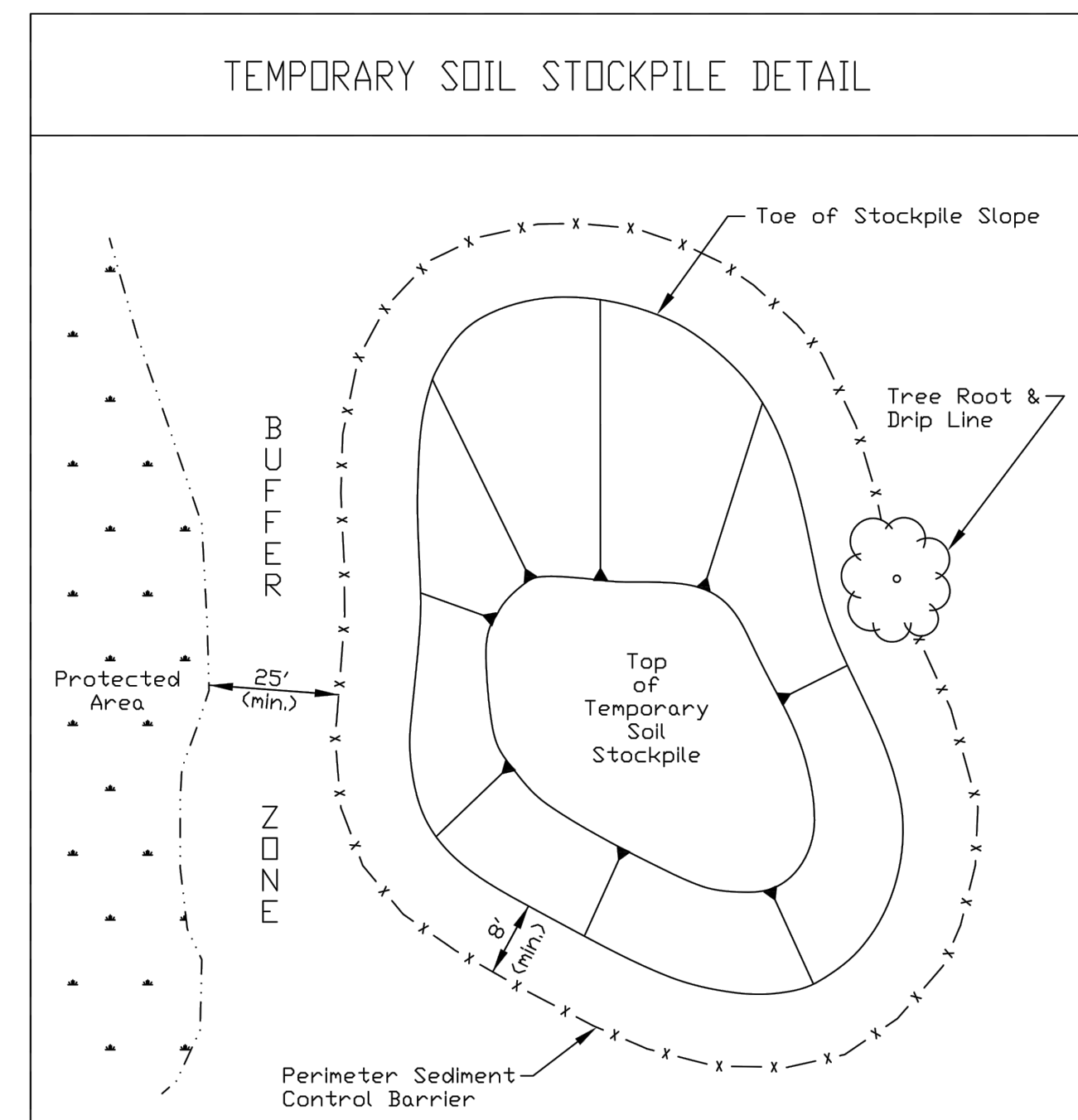
- ANY DEMOLITION SHALL BE REMOVED IN ACCORDANCE WITH THE CITY CODE OF NAPERVILLE RELATED TO STANDARDS FOR DEMOLITION AND CONSTRUCTION WORK IN THE CITY.
- THE SITE MUST BE KEPT SAFE AND CLEAN. ALL CONSTRUCTION DEBRIS AND DEMOLITION MATERIAL MUST BE REMOVED AND/OR PLACED IN THE APPROPRIATE CONTAINERS.
- DUST AND AIRBORNE PARTICLES SHALL BE CONTROLLED DURING DEMOLITION BY SPRAYING WATER ON STRUCTURES TO BE RAZED BY MEANS OF A WATER TRUCK AND SPRAYING EQUIPMENT.
- MULCH MAT CONSTRUCTION ENTRANCE SHALL EXTEND INTO LOT TO PROVIDE SUFFICIENT AREA TO WASH DOWN VEHICLES. MULCH MAT SHALL HAVE A MINIMUM DEPTH OF 10 INCHES.
- CONTRACTOR SHALL KEEP STREETS CLEAN.
- NO MATERIAL SHALL BE STORED WITHIN 10 FEET OF ANY LOT LINE.
- AT TIME OF BACKFILL, SWALES WILL BE CONSTRUCTED TO PROTECT NEIGHBORING PROPERTY OWNERS.
- THE PROPOSED PORTABLE TOILET SHALL NOT BE PLACED WITHIN 10 FEET OF ANY LOT LINE.
- MINIMUM HORIZONTAL SEPARATION OF 10.0 FEET SHALL BE MAINTAINED BETWEEN WATER AND SEWER SERVICES.
- EXISTENCE OF UTILITY STUBS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION OF PROPOSED SERVICES.
- WHEN PREPARING FOR CONSTRUCTION OF FOUNDATION, PUMPING OF STORMWATER OUT OF EXCAVATED AREAS MAY BE REQUIRED. DEWATERING DISCHARGE SHALL BE PUMPED TO THE FRONT TO EXISTING REGALIA DRIVE CURB AND GUTTER. DEWATERING SHALL INCLUDE FILTERING OF WATER BEFORE IT LEAVES SITE.
- CONSTRUCTION SCHEDULE:
 - SEDIMENT AND EROSION CONTROL AND TREE PROTECTION FACILITIES SHALL BE INSTALLED. - WINTER 2021
 - RESTORE DISTURBED AREAS, BACKFILL FOUNDATION & EXISTING SWALES. - WINTER 2021
 - CONSTRUCT PROPOSED FOUNDATION, PATIO, & DRIVEWAY. - WINTER 2021
 - PREPARE AND SUBMIT RECORD DRAWINGS. - FALL 2022
 - LANDSCAPING AND PLANT LAWN AND REMOVE TEMPORARY FENCING. - FALL 2022
- PARKING DATA: MAXIMUM CONTRACTOR VEHICLES: 8.
- WASH DOWN AREA FOR CONSTRUCTION VEHICLES SHALL BE LOCATED ON SITE SOUTH OF CONSTRUCTION ENTRANCE (WITH SILT FENCE PROTECTION FOR RUN OFF).
- EXISTING DRIVE TO BE USED AS CONSTRUCTION ENTRANCE.

GRADING:

- FINISHED SURFACES TO BE SMOOTH AND EVEN WITH NO ABRUPT OR AWKWARD CHANGES IN GRADE. PAVING AND SEED AREAS ARE TO MEET FLUSH AND SMOOTH.
- NEW PAVEMENT TO MATCH EXISTING PAVEMENT SMOOTH AND FLUSH.
- CONTRACTOR SHALL RESTORE (WITH TOPSOIL AND SOD) ALL AREAS DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITY. TOPSOIL AND SOD RESTORATION OUTSIDE OF CONSTRUCTION LIMITS WILL BE AT CONTRACTOR'S EXPENSE.
- THE OWNER RESERVES THE RIGHT TO MAKE MINOR ADJUSTMENTS IN LINES AND GRADES AS THE WORK PROGRESSES WHENEVER SUCH CHANGES ARE CONSIDERED NECESSARY TO BETTER ACCOMPLISH THE INTENT OF THE DRAWINGS OR TO OBTAIN A CLOSER BALANCE BETWEEN CUT AND FILL.
- CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS REQUIRED TO ELIMINATE SEDIMENTATION INTO NON-CONSTRUCTION AREAS.
- SOD STAPLES ARE TO BE PLACED ON ALL SLOPES GRADED 3:1 OR GREATER.

RESTORATION:

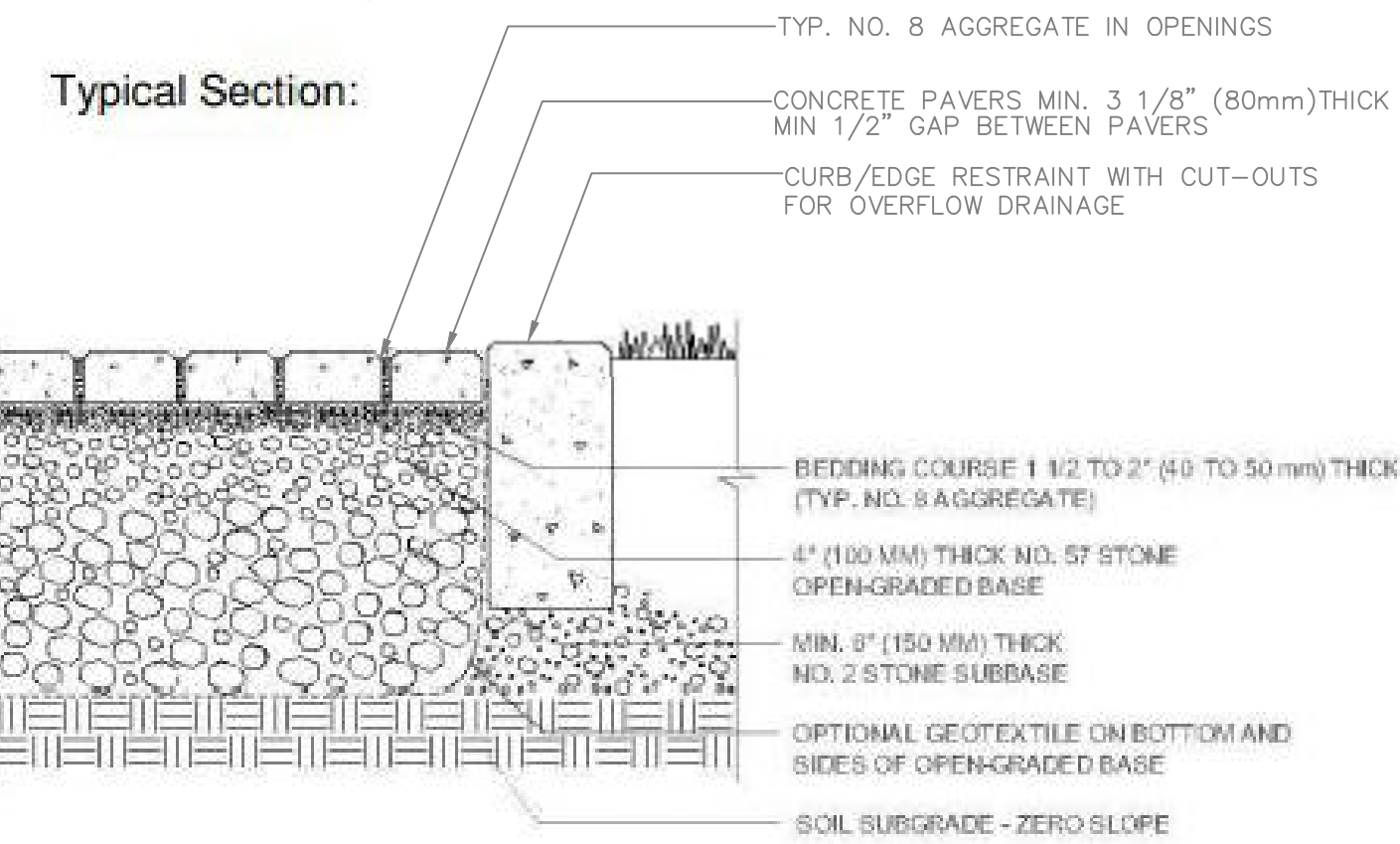
- RESTORATION SHALL INCLUDE TOPSOIL, SEEDING, SODDING, FERTILIZER, MULCH AND THE NECESSARY CARE TO OBTAIN AN ACCEPTABLE STAND OF GRASS.
- TOPSOIL SHALL BE STOCKPILED AND RESPREAD ON ALL DISTURBED AREAS AS PART OF EARTHWORK, SITE ACCESS AREAS, AND ANY OTHER AREAS DISTURBED BY CONSTRUCTION.
- SOD RESTORATION SHALL INCLUDE ANY AREAS DISTURBED BY CONTRACTOR OUTSIDE THE EARTHWORK AND GRADING AREAS SHOWN ON THE PLANS AND SHALL BE RESTORED BY CONTRACTOR AT HIS OWN EXPENSE.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EQUIPMENT NECESSARY FOR ESTABLISHMENT OF SOD, INCLUDING WATERING EQUIPMENT, WATER, AND HOSES.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.



NOTES:

- Stockpile slopes should be based on angle of repose of the soil material to avoid potential sloughing of the slope.
- Soil stockpile to be stabilized in accordance with practical standards.
- Do not locate stockpile within overland drainage flow path, designated floodways, drip line or over the root crown of adjacent trees.
- 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.
- Installation of benches, terraces, or slope interrupters should be considered.
- Avoid building soil stockpiles on impervious surfaces.
- Linear sediment trap surrounding the stockpile base may be used to control sediment.

REFERENCE	STANDARD DVG. NO.
Project _____	IUM-627
Designed _____	
Checked _____	
Approved _____	
	SHEET 1 OF 1
	DATE JANUARY 2017

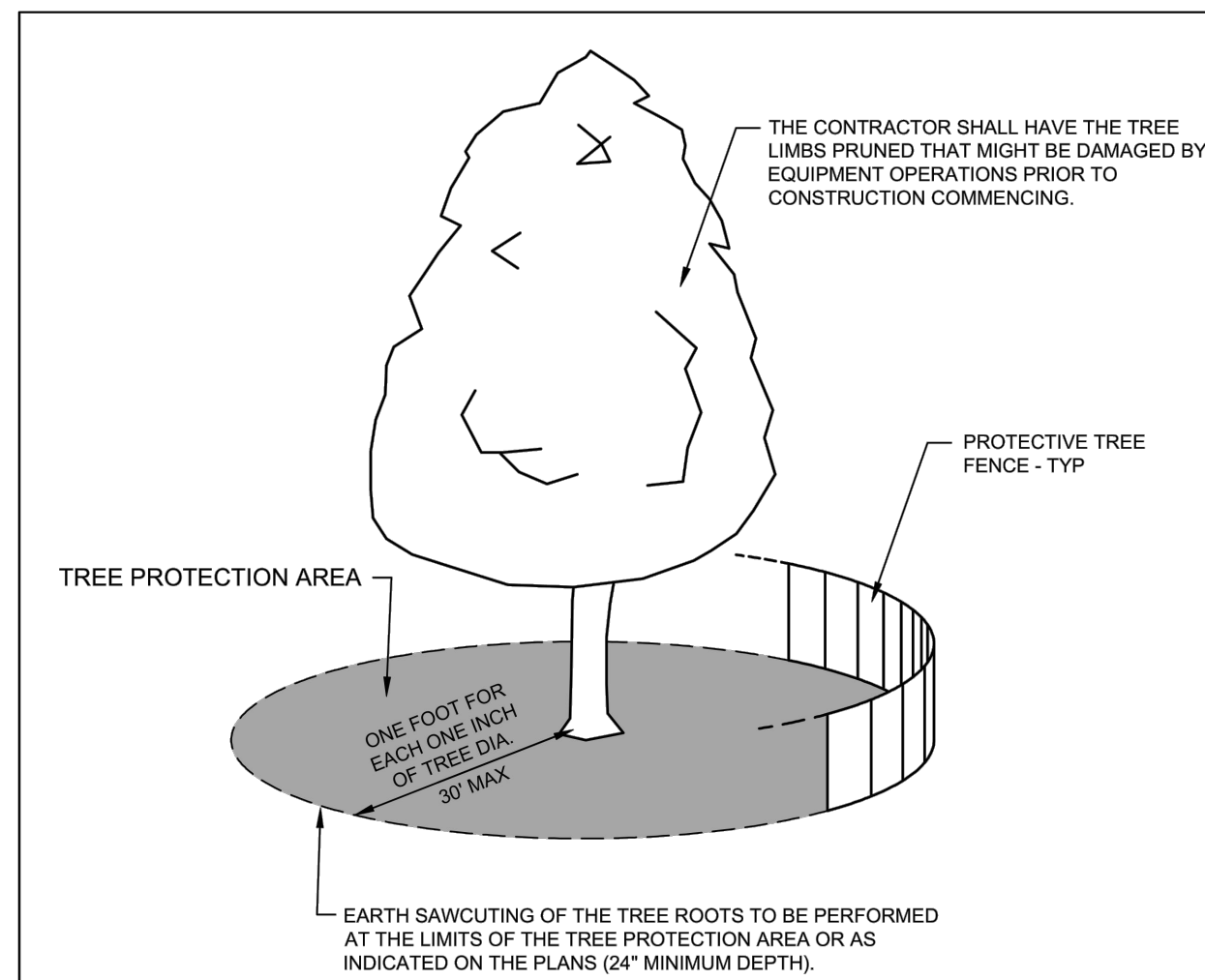


NOTES:

- 2 3/8" (80 MM) THICK PAVERS MAY BE USED IN PEDESTRIAN APPLICATIONS.
- NO. 2 STONE SUBBASE THICKNESS VARIES WITH DESIGN. CONSULT ICPI PERMEABLE INTERLOCKING CONCRETE PAVEMENT MANUAL.

Figure 3-13 Typical Permeable Paver Cross Section
(Interlocking Concrete Pavement Institute ICPI-68 Permeable pavers - full exfiltration)

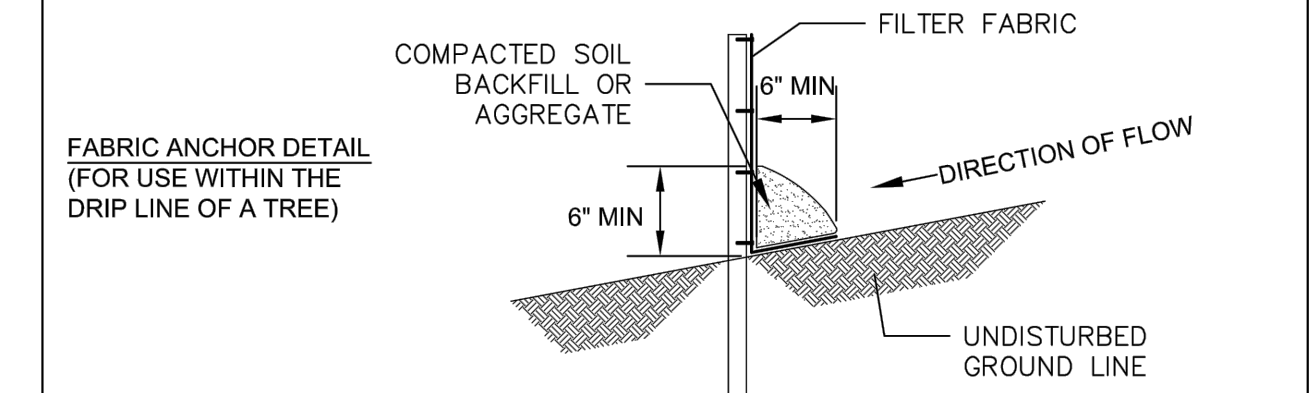
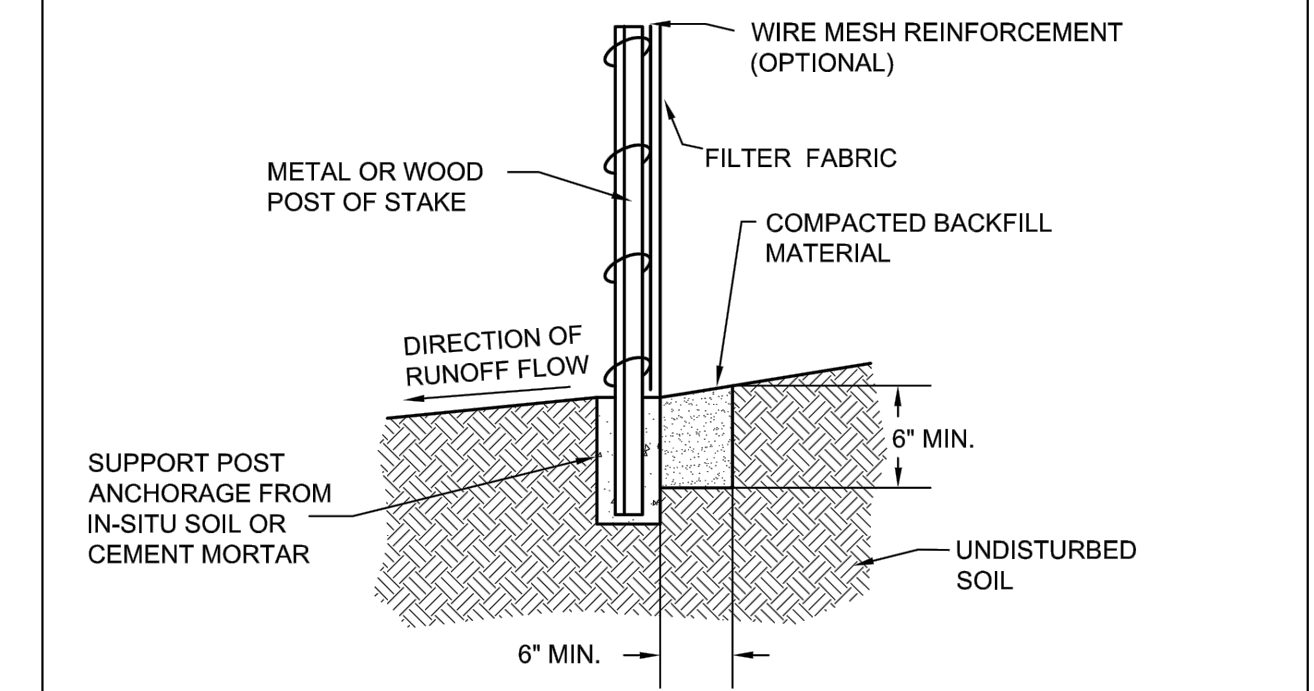
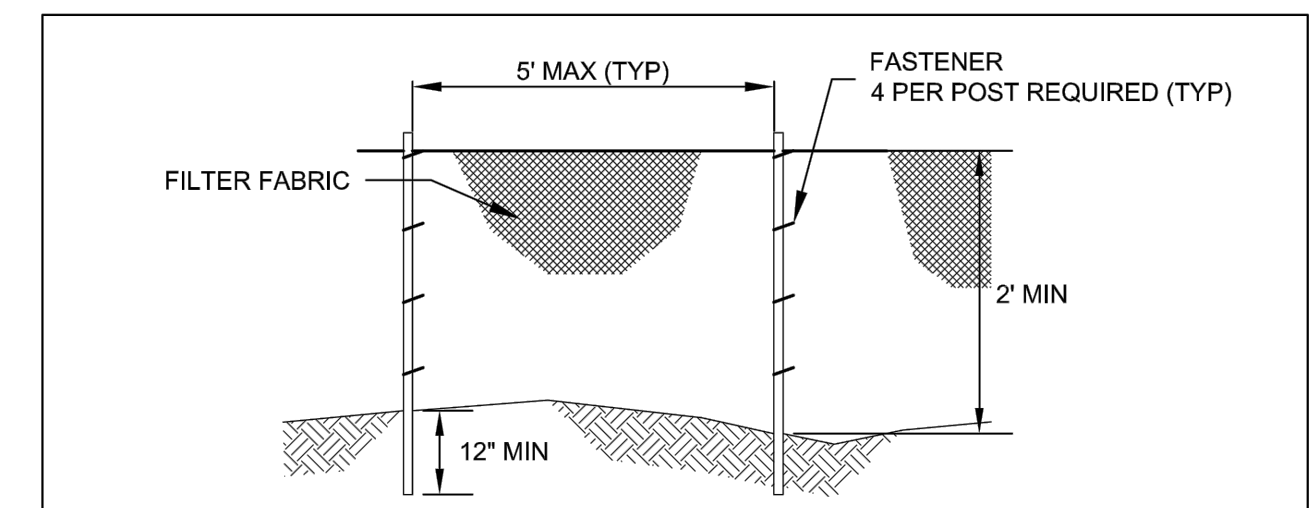
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Section 3.2.2.4



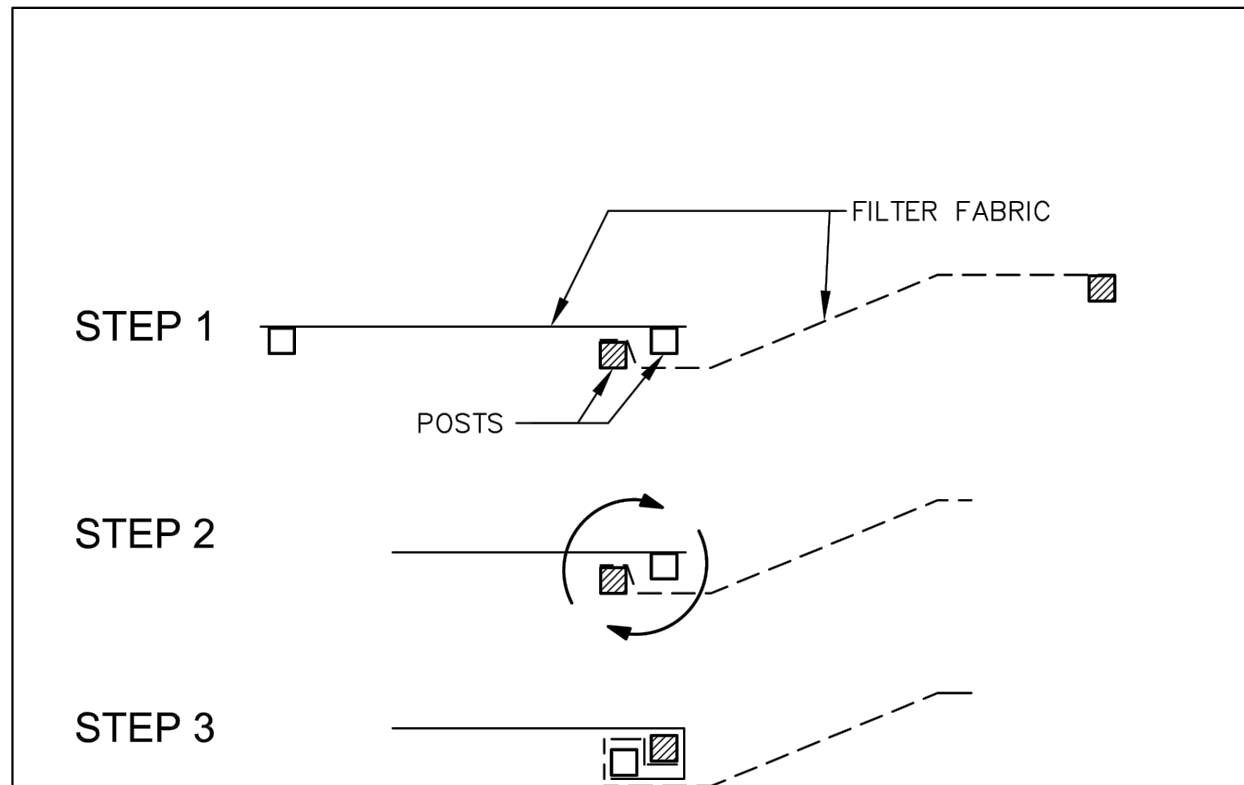
NOTES:

- A TREE PROTECTION AREA SHALL BE ESTABLISHED AROUND A TREE A DISTANCE OF ONE FOOT FOR EACH ONE INCH OF TREE DIAMETER, UP TO A MAXIMUM OF 30 FEET.
- PROTECTIVE TREE FENCE SHALL BE INSTALLED AT THE LIMITS OF THE TREE PROTECTION AREA. THE FENCE SHALL BE HIGH ENOUGH SO AS TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL.
- GRADE CHANGES, UTILITY TRENCHES, STORAGE OF CONSTRUCTION MATERIAL, DUMPING OF WASTE, OR OPERATION OR STORAGE OF ANY EQUIPMENT SHALL NOT BE ALLOWED WITHIN THE TREE PROTECTION AREA.
- AUGURING IS REQUIRED IF A UTILITY MUST BE INSTALLED WITHIN THE TREE PROTECTION AREA. AUGURED UTILITIES MUST BE A MINIMUM OF 24 INCHES BELOW GRADE.
- ALL TREES TO BE SAVED WHICH HAVE BEEN SUBJECTED TO CONSTRUCTION ACTIVITY WITHIN THE TREE PROTECTION AREA SHOULD BE SELECTIVELY THINNED 10% BY AN ARBORIST SKILLED AT THE SELECTIVE THINNING PROCEDURE. NONE OF THE TREES SHALL BE TOPPED, HEADED BACK, SKINNED (REMOVAL OF THE INTERIOR BRANCHES), OR CLIMBED WITH SPIKES. ALL DEAD WOOD SHOULD BE REMOVED TO AVOID HAZARD.
- IT IS RECOMMENDED THAT FOLLOWING CONSTRUCTION, TREES BE MAINTAINED IN THEIR NATIVE CONDITION. NO LAWN SHOULD BE PLACED AROUND THE TREES. IT IS RECOMMENDED THAT THE AREA BE MULCHED WITH 2 INCHES OF DECOMPOSED LEAVES AND 2 INCHES OF WOOD CHIPS OR BARK.

City of Naperville STANDARD DETAIL	TREE PROTECTION	LANDSCAPE 10
	REVISED: 08/01/2018	SHEET 1 OF 1
		790.10



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



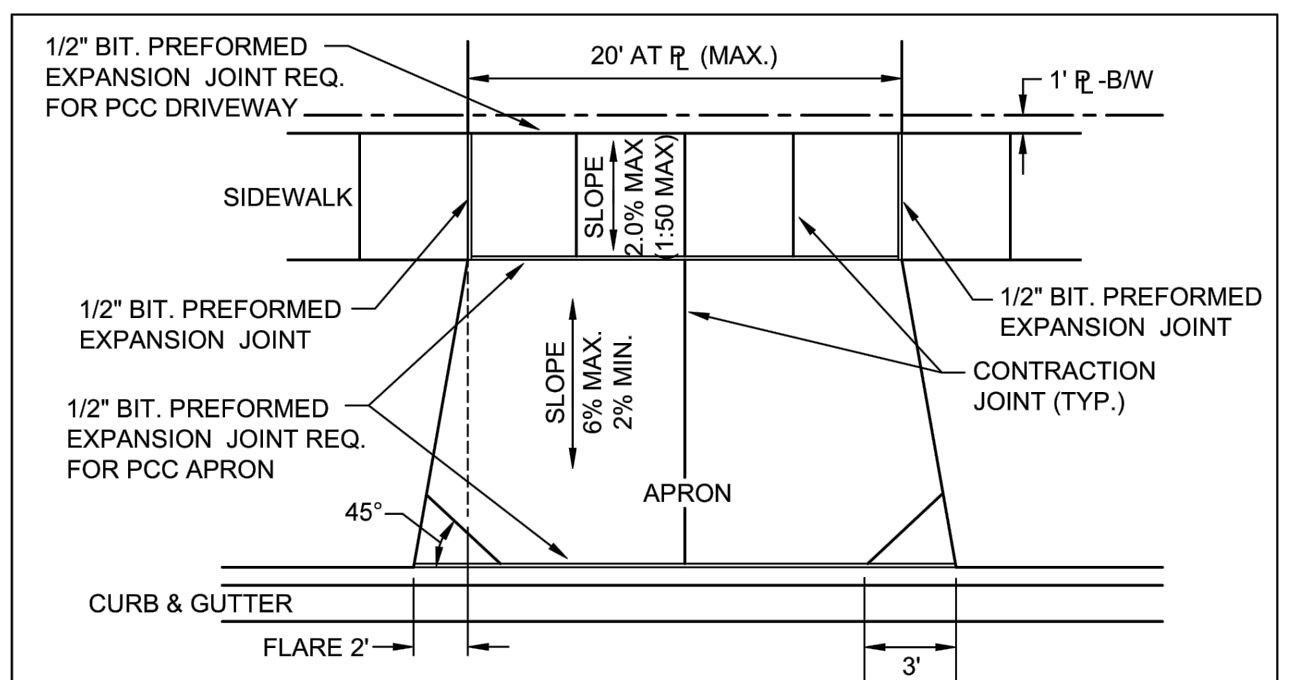
STEPS FOR THE ATTACHMENT OF TWO SILT FENCES:

- PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE.
- ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL.
- DRIVE BOTH POSTS A MINIMUM OF 18 INCHES INTO THE GROUND AND BURY THE FLAP.

NOTES:

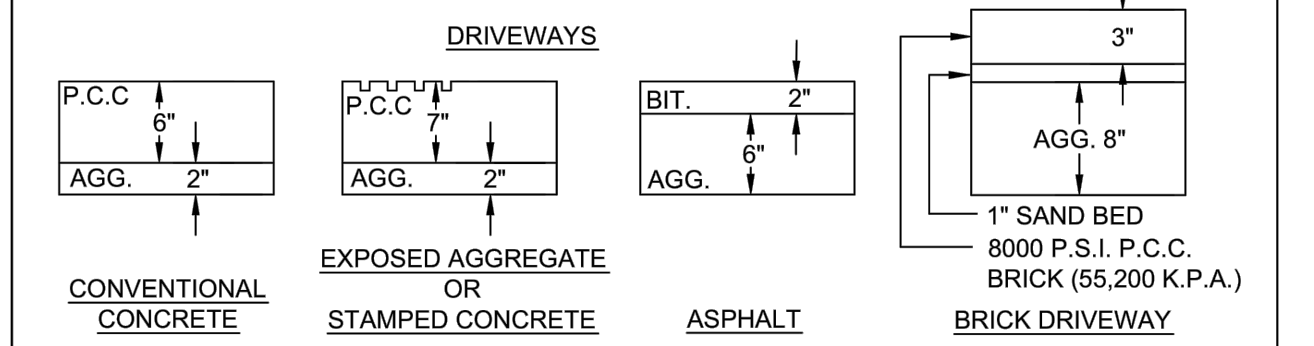
- TEMPORARY SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
- FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS I WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NON-WOVEN OR 50 FOR WOVEN.
- FENCE POSTS SHALL BE EITHER STANDARD STEEL POST OR WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA OF 3.0 SQ. IN.
- 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
	REVISED: 01/01/2013	SHEET 2 OF 2
		790.03



NOTES:

- DRIVEWAYS SHALL NOT EXCEED 20' IN WIDTH MEASURED AT THE RIGHT-OF-WAY LINE.
- DRIVEWAYS SHALL NOT ENCRUCH OVER THE PROPERTY LINE EXTENSION IN THE PARKWAY.
- DRIVEWAYS SHALL NOT BE CONSTRUCTED IN EASEMENTS.
- ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED.
- SIDEWALK SHALL CONTINUE THROUGH DRIVEWAYS.
- SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE A MINIMUM OF 6\"/>



City of Naperville STANDARD DETAIL	TYPICAL RESIDENTIAL DRIVEWAY DETAIL	PAVEMENT 8
	REVISED: 08/01/2018	SHEET 1 OF 2
		590.06

PREPARED FOR: DJK CUSTOM HOMES

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Inside Manhole Diameter	48"	60"
Pipe Diameter	32"	>24"
Wall Thickness	5"	6"
Ecc. Cone Sec(L)	2'-48"	3'-9"
Manhole Depth	5'12"	>12'
	8'	10'

ALL SANITARY MANHOLES SHALL BE TESTED FOR LEAKAGE BY VACUUM TESTING PER CITY STANDARDS. THE MANHOLE FRAME AND ADJUSTING RINGS SHALL BE IN PLACE WHEN TESTING. ANY LEAKS SHALL BE REPAIRED FROM EXTENSION OF MANHOLE - PATCHING INSIDE OF MANHOLE SHALL NOT BE ACCEPTABLE.

PREFORMED NON-HARDENING BITUMINOUS MASTIC MATERIAL, COARSE, CS-1026, OR APPROVED EQUAL BETWEEN BOTTOM RING AND STRUCTURE

EXTERNAL CHIMNEY SEAL (OPTIONAL)

PREFORMED ADJUSTING RINGS PER SECTION 302.1.3 OF THE STANDARD SPECIFICATIONS (12" MAX. ADJUSTMENT)

ECCENTRIC CONE SECTION

STEPS SHALL BE COPOLYMER POLYPROPYLENE REINFORCED WITH 1/2" INCH A815/615M-02A (OR LATEST EDITION) GRADE 60 STEEL REINFORCEMENT, MEETING OR EXCEEDING ASTM C478-05 AND OSHA STANDARDS.

CA-6 TRENCH BACKFILL REQUIRED AROUND MANHOLE IN PAVED AREAS AND UNDER SUBURBAN MANHOLES TO ROADWAY SUBGRADE ELEVATION RUBBER FOOT CONFORMING TO ASTM C923-02 OR LATEST REVISION (KOR-H-SEAL OR APPROVED EQUAL)

POURED CONCRETE FILLET TO TOP OF PIPE 2% SLOPE (TYP.)

PROVIDE CONCRETE FILLET FOR ALL SANITARY MANHOLE INVERTS

PRECAST REINFORCED CONCRETE MANHOLE BOTTOM WITH INTEGRAL SIDEWALL

6" CA11 AGGREGATE

SECTION A-A

City of Naperville
**STANDARD
DETAIL**

SANITARY 1
390.01

REVISOR: 08/01/2018 SHEET 1 OF 1

EAST JORDAN 1566Z CLEAN OUT,
BLACK ASPHALTIC COATED W/
CLEAN OUT COVER 1566A OR
APPROVED EQUAL

6" PVC PIPE
6" CLAY PIPE
BACKFILL
6" PVC
6" TEE

FLEXIBLE COUPLING SHALL BE A NON-SHEAR TYPE TRANSITION COUPLING AS MANUFACTURED BY FERNCO SERIES 1056RC OR APPROVED EQUAL.

CA11 PIPE BEDDING

1566A CLEANOUT/
MONUMENT BOX COVER

1566Z CLEAN OUT BOX FRAME

City of Naperville
**STANDARD
DETAIL**

SANITARY 23
390.23

EFFECTIVE: 1/15/2020 SHEET 1 OF 1

2" RAISED LETTERS
SEAL TITE LID
SEAL TITE CONCEALED PICK HOLE
CAST FRAME
CAST CLOSED LID

SECTION A-A
SECTION D-D

NOTES:

- DUCTILE IRON SHALL BE GRADE 65-45-12 AND SHALL BE TESTED IN ACCORDANCE WITH FEDERAL SPECIFICATIONS.
- ALL FRAMES AND COVERS SHALL HAVE MACHINED HORIZONTAL AND VERTICAL BEARING SURFACES. PICK HOLES SHALL NOT CREATE OPENINGS IN THE COVER.
- THE MANHOLE COVERS SHALL HAVE 2" RAISED LETTERS AS SHOWN.
- ALTERNATIVE TO DUCTILE IRON LID, GREY IRON CL 35 LID MAY BE USED.
- CASTINGS ARE SHALL BE EAST JORDAN 1022-Z3; NEENAH R-1772 OR APPROVED EQUAL.
- 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.
- LIDS AND FRAMES TO MEET ASSHTO M306 PROOF LOADING SPECIFICATIONS

City of Naperville
**STANDARD
DETAIL**

SANITARY MANHOLE - FRAME &
COVER

SANITARY 6
390.06

REVISOR: 01/01/2013 SHEET 1 OF 1

GRADE
HEAD PLUG
COVER
COVER SHALL BE FLUSH WITH FINISHED GRADE OR AS SHOWN ON PLANS

MINIMUM
CORPORATION STOP COUPLING
1/8" BEND ELBOW (FLARE x COMP.)
DIRECT CONNECT
TAP SERVICE PIPING COPPER TUBE TYPE K 1" MIN. DIAMETER
ROUND WAY (COMP. x COMP.)
PLACE OVER UNDISTURBED GROUND
CONCRETE BRICK

HIGH TENSILE DUCTILE IRON WITH BLACK E-COATING OR BRASS
NUTS AND WASHERS - 18-8 TYPE 304 STAINLESS STEEL 1/2" OR 5/8" HEAVY HEX NUTS AND WASHERS ARE COATED TO PREVENT GALLING.

WATER MAIN SIZE	TAP SIZE	CONNECTION TYPE
6" OR SMALLER	1" OR SMALLER	DIRECT CONNECTION
8" OR LARGER	1 1/4" OR LARGER	SADDLE CONNECTION
8" OR LARGER	1 1/4" OR SMALLER	DIRECT CONNECTION
8" OR LARGER	1 1/2" OR LARGER	SADDLE CONNECTION

NOTES:

- CORPORATION IS TO BE FLARING TYPE (FORD F-600 OR EQUAL BY MUELLER OR A.Y. MCDONALD), FOR SERVICE SIZE 1/2" A.Y. MCDONALD 4701Q CORP STOP THREADED INLET TO COMPRESSION OUTLET OR EQUAL.
- 1/8" BEND ELBOW - FEMALE FLARE TO COMPRESSION: FORD L04, OR AN APPROVED EQUAL BY MUELLER, OR A.Y. MCDONALD (NOT AVAILABLE IN IN 1" SIZED SEE NOTE 1).
- B-BOX IS ARCH PATTERN AT ROUNDWAY WITH 1-1/4" UPPER SECTION, WITH 1-1/4" BRASS PENTAGON PLUG, SCREW ON B-BOX NOT APPROVED.
- CURB STOP IS WITH COMPRESSION COUPLING - FORD B44 CURB STOP, OR EQUAL BY MUELLER, OR A.Y. MCDONALD.
- B-BOX HAS 1/2" THREADED BRASS PENTAGON PLUG WITH THE WORD "WATER" IN RAISED LETTERS ON CAP. (1-1/4" PENT. PLUG FOR 1-1/4" B-BOXES).
- CORPORATION STOPS SHALL BE INSTALLED A MINIMUM OF 18" FROM PIPE JOINTS AND ENDS. MULTIPLE INSTALLATIONS SHOULD BE STAGGERED AROUND THE MAIN BY 22-1/2" AND SEPARATED FROM EACH OTHER BY 18".
- 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.
- SERVICE TAPS SHALL REQUIRE SADDLES IN ACCORDANCE WITH CHART BELOW. SADDLES SHALL BE STAINLESS STEEL DUAL BANDED, DUCTILE IRON OR BRASS SADDLE (FORD FS202, 202BS OR APPROVED EQUAL) REQ'D FOR TAPS.
- ALL WATERMAIN AND APPURTENANCES MUST COMPLY WITH SECTION 1417 (A)(1) OF THE SAFER DRINKING WATER ACT (SDWA). ALL PRODUCT USED FOR DISPENSING POTABLE WATER MUST MEET BOTH THE NSF 61 AND NSF 372 TEST STANDARDS VIA THIRD PARTY TESTING AND CERTIFICATIONS.

City of Naperville
**STANDARD
DETAIL**

SERVICE TAP AND CONNECTION

WATER 20
490.20

EFFECTIVE: 7/17/2020 SHEET 1 OF 1

1" MIN.
1" MIN.

PLAN

45° CURVE

TRENCH WALL

STOPPER CEMENTED OR STAKED IN PLACE

6" MIN.

UNDISTURBED EARTH - SHAPE TO PROVIDE UNIFORM BEARING FOR 1/4 OF BARREL CIRCUMFERENCE

MAXIMUM SLOPE 1:1

STANDARD TEE - BARREL SIZE TO BE CALLED FOR ON A PLAN, OR AS OTHERWISE SPECIFIED

BEDDING CA-11

SECTION A-A

1. THE OPEN ENDS SHALL BE PROTECTED FROM DEBRIS AND GROUNDWATER ENTERING THE LATERAL WITH AN APPROVED PLUG.

2. MAXIMUM SLOPE SHALL BE LESS THAN 1:1 WHEN IT IS NECESSARY TO SECURE BEDDING IN UNDISTURBED EARTH.

3. WHEN A SERVICE CONNECTION IS TAPPED INTO PVC MAIN, THEN A SEWER SADDLE SHALL BE USED. GENECO TYPE "SEALTITE" OR APPROVED EQUAL. BANDS, NUTS AND BOLTS MUST BE 304 STAINLESS STEEL.

4. SDR 26 PVC PIPE MEETING REQUIREMENTS OF ASTM D-2241-05 AND JOINTS CONFORMING TO ASTM D-3139-98(2005) OR LATEST EDITIONS.

City of Naperville
**STANDARD
DETAIL**

RISE FOR SERVICE LATERAL

SANITARY 20
390.20

REVISOR: 01/01/2013 SHEET 1 OF 1

10' MIN.
10' MIN.
10' MIN.
10' MIN.

WATER MAIN
SEWER
SEWER

PERPENDICULAR CROSSING
DIAGONAL CROSSING

FINISH GRADE

10' MIN.
10' MIN.

EXISTING STORM SEWER LINE

10' MIN.

NEW WATER MAIN

STORM SEWER TO BE REMOVED AND REPLACED WITH AN "O" RING GASKET IN ACCORDANCE WITH ASTM C-361 OR C-443, OR GASKET PVC IF ALLOWED

NOTE:
NEW STORM SEWER INSTALLATION SHALL BE GASKETED STRUCTURE TO STRUCTURE

City of Naperville
**STANDARD
DETAIL**

WATER MAIN PROTECTION FROM EXISTING STORM SEWER PIPE

WATER 14
490.14

REVISOR: 01/01/2013 SHEET 1 OF 1

COVER
FINISHED GRADE

MIN. 5" DEPTH

SECTION A-A

CA11

CONCRETE BLOCK
CONCRETE BLOCK

WATER MAIN

NOTES:

- TYLER 6850 OR APPROVED EQUAL FOR LARGER VALVES TYLER 6860 OR APPROVED EQUAL WITH #6 BASE.
- 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.
- 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

WATER 5
490.05

REVISOR: 01/01/2013 SHEET 1 OF 1

EXCAVATED TRENCH WIDTH

PAVEMENT
SUBGRADE

PIPE WIDTH

FINAL BACKFILL CA-8 UNDER PAVED AREAS/SIDEWALKS EXCAVATED MATERIALS UNDER OTHER AREAS

INITIAL BACKFILL CA-11

HAUNCHING CA-11

FOUNDATION

PIPE ZONE

6" COVER

SPRINGLINE

BEDDING CA-11
1/4 OF THE OUTSIDE DIAMETER OF THE PIPE (4" MIN.)

PIPE REINFORCEMENT (COMPACTED)

NOTES:

- IN PAVED AREAS, ALL TRENCHES MUST BE COMPACTED IN CONFORMANCE WITH SECTION 550.07 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
- 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

SANITARY 10
390.10

REVISOR: 01/01/2013 SHEET 1 OF 1

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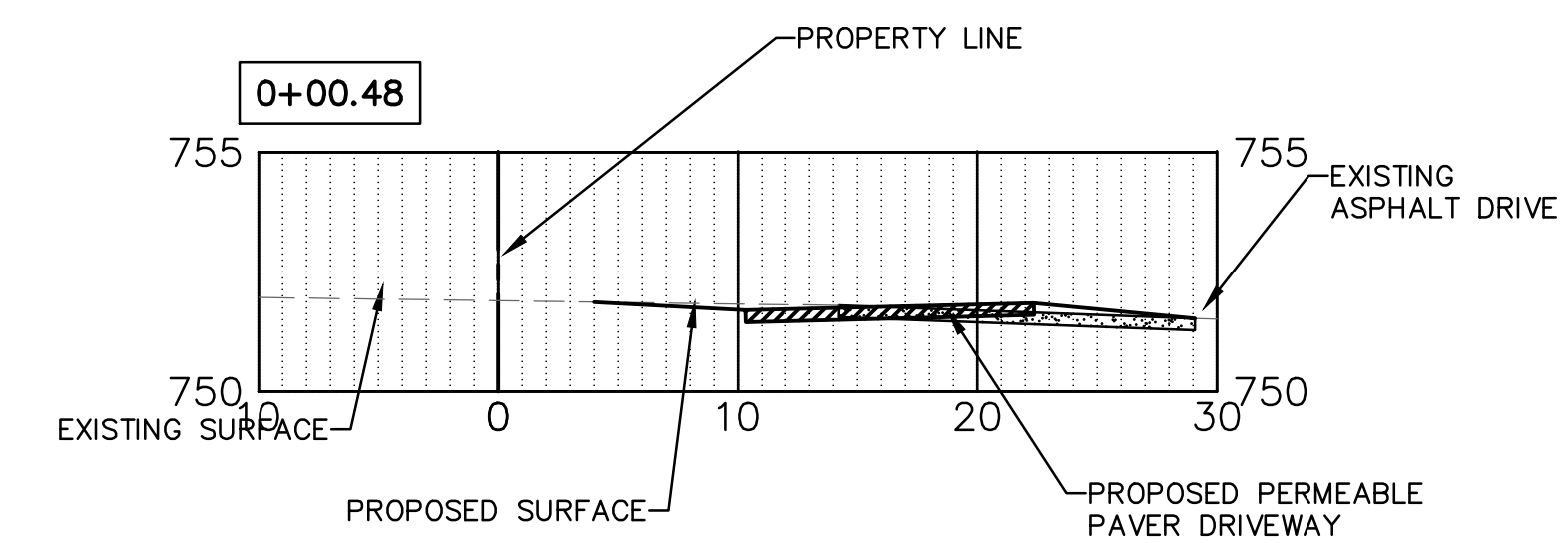
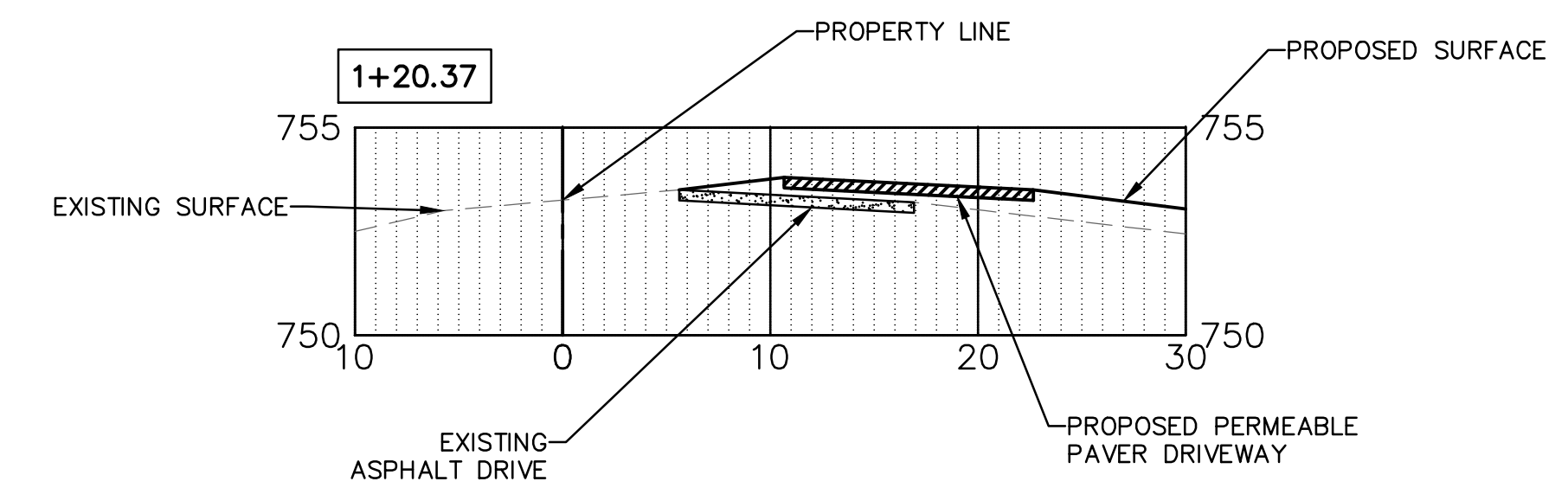
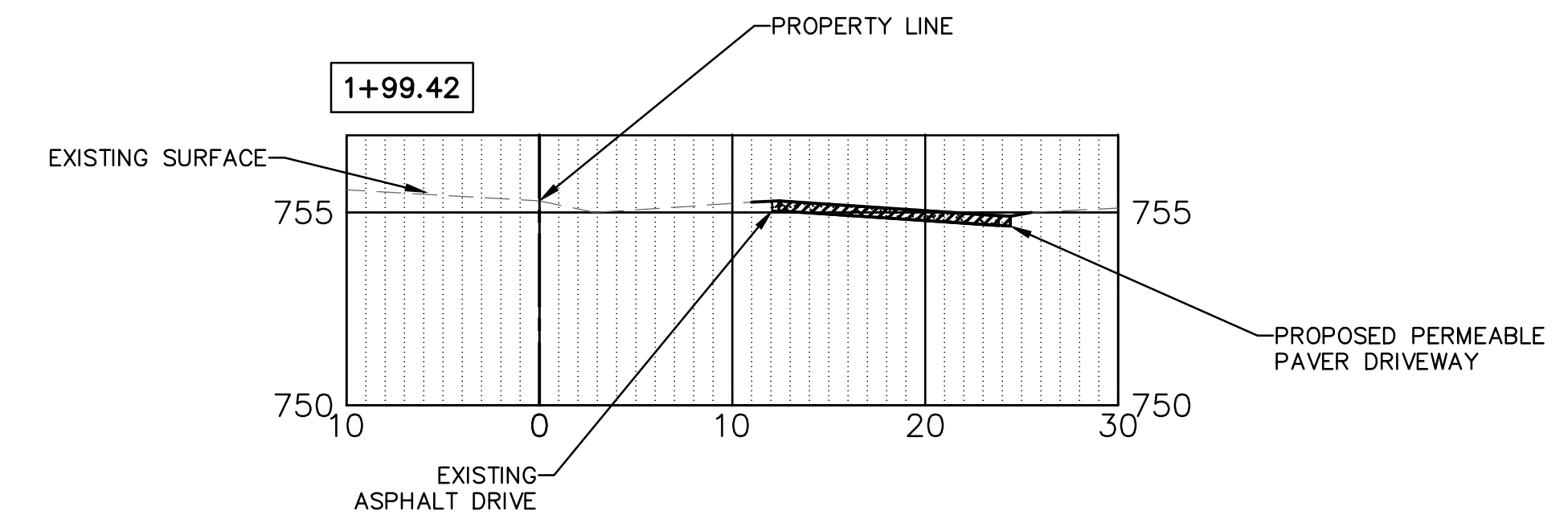
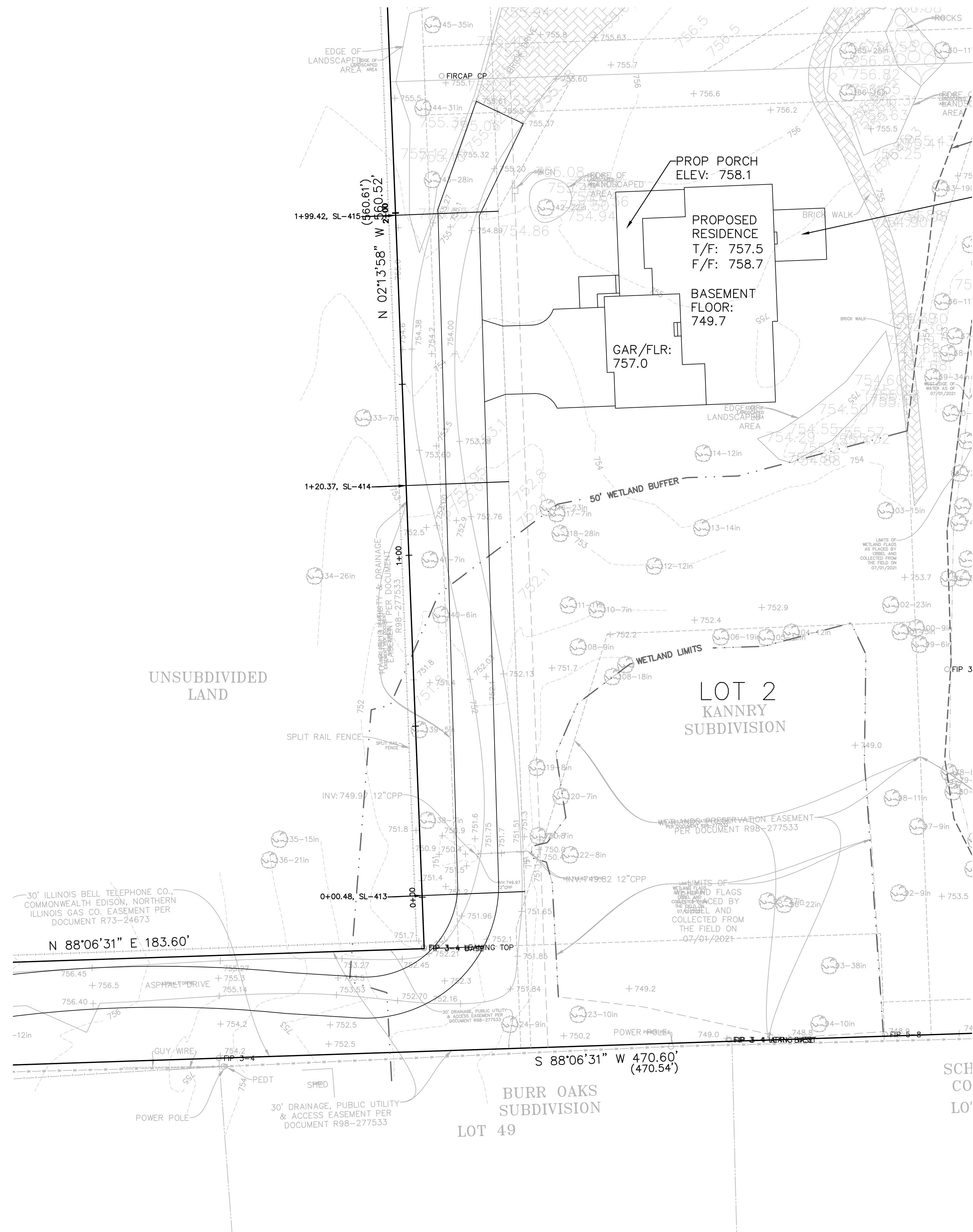


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DRIVEWAY SECTION VIEWS



PREPARED FOR: DJK CUSTOM HOMES

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 CHECKED BY: JPG
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