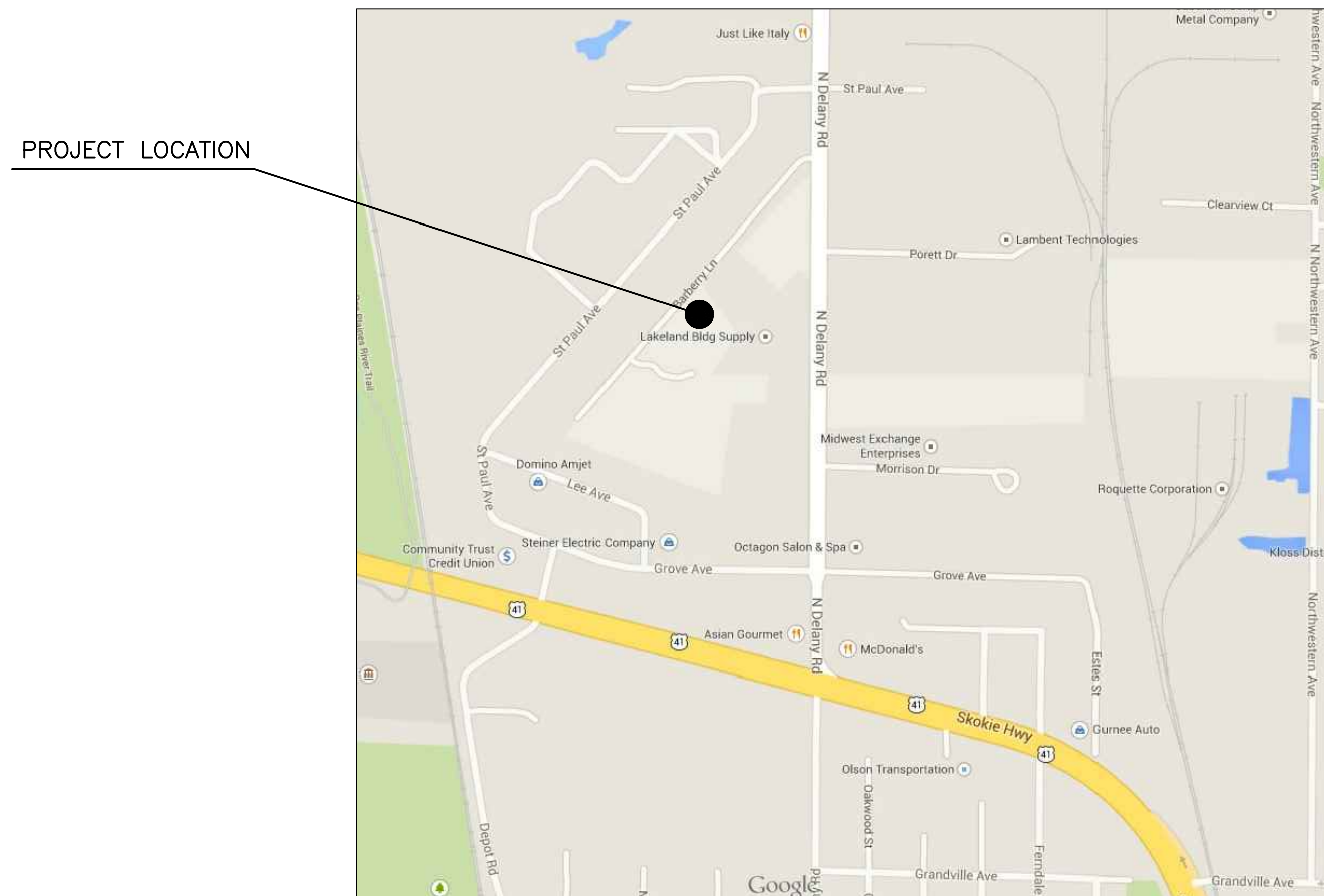


PETERSEN EXCAVATING PLANNED UNIT DEVELOPMENT FINAL PLAN

LAKE COUNTY, ILLINOIS



LOCATION MAP
N.T.S.

INDEX OF SHEETS	
SHEET NO.	TITLE
1	COVER SHEET
2	GENERAL NOTES
3	PRE-EXISTING CONDITIONS
4	DEMOLITION PLAN
5	SITE PLAN
6	ENLARGED GRADING PLAN
7	SITE CAPACITY AND NATURAL RESOURCE PLAN
L1	LANDSCAPE PLAN (BY DAVID R. McCALLUM ASSOC.)
D1	DETAILS



Know what's below.
Call before you dig.

CALL JULIE 811 or 1-800-892-0123

WITH THE FOLLOWING:
COUNTY LAKE
TOWNSHIP NAME OR NO. T 45N-R 11E
SECTION NO. 14

48 HOURS BEFORE YOU DIG
(TWO WORKING DAYS)

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)
To the best of our knowledge and belief, the drainage of surface waters will not be changed by the construction of such subdivision or any part thereof or that if such surface water drainage will change, reasonable provisions have been made for collection and discharge of surface waters into public or private area and/or drains which the developer has a right to use and that such surface waters will be planned for in accordance with generally accepted engineering practices so as to reduce the likelihood of substantive damage to the adjoining property because of the construction of the subdivision.
Dated this _____ day of _____, 20____

(SEAL)

Engineer

REVISIONS		
NO.	ITEM	DATE
1	PER LAKE COUNTY COMMENTS	10/14/14
2	PER LAKE COUNTY COMMENTS	12/8/14
3	PER LAKE COUNTY COMMENT LETTER DATED 1-5-2016	3/18/16
4	PER LAKE COUNTY COMMENT LETTER DATED 5-25-2016	7/1/16
5	PER OWNER	12/14/2016

REVISIONS		
NO.	ITEM	DATE
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7	PRELIMINARY PUD	02/08/17
8	PUD FINAL PLAN	02/24/17

SCALE:	N.T.S.
DRAWN BY:	SFG
CHECKED BY:	HMD
DATE:	02/24/17

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COVER SHEET

PETERSEN EXCAVATING PLANNED UNIT DEVELOPMENT FINAL PLAN

JOB NUMBER: 02-14-14-129 LAKE COUNTY, ILLINOIS

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SHEET NO.
1

STANDARD SYMBOLS

	EXISTING MANHOLE
	PROPOSED MANHOLE
	EXISTING CATCH BASIN
	PROPOSED CATCH BASIN
	EXISTING INLET
	PROPOSED INLET
	EXISTING VALVE VAULT
	PROPOSED VALVE AND VAULT
	EXISTING METER PIT
	PROPOSED METER PIT
	EXISTING VALVE BOX (G - GAS, W - WATER)
	PROPOSED VALVE & C.I. BOX
	EXISTING CURB STOP BOX
	PROPOSED CURB STOP & C.I. BOX
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT WITH AUX. VALVE & C.I. BOX
	EXISTING STREET OR TRAFFIC SIGN
	EXISTING TRAFFIC SIGNAL
	EXISTING MAIL BOX
	EXISTING LIGHT POLE
	PROPOSED LIGHT POLE
	EXISTING FLOOD LIGHT
	EXISTING TRAFFIC SIGNAL CONTROL BOX
	EXISTING HANDHOLE
	EXISTING ELECTRIC VAULT
	EXISTING POWER POLE
	EXISTING TELEPHONE MH
	TELEPHONE PEDESTAL

	8"	EXISTING SANITARY SEWER (SAN. S.) WITH SIZE SHOWN
		PROPOSED SANITARY SEWER
	12"	EXISTING STORM SEWER (ST. S.) WITH SIZE SHOWN
		PROPOSED STORM SEWER
	8" W	EXISTING WATER (W) OR GAS (G) MAIN WITH SIZE SHOWN
	W	PROPOSED WATER MAIN
	E	EXISTING UNDERGROUND ELECTRICAL CABLE OR CONDUIT
	T	EXISTING UNDERGROUND TELEPHONE CABLE OR CONDUIT
		EXISTING R.O.W. LINE
		PROPOSED R.O.W. LINE
	X	EXISTING FENCE
		PROPOSED CURB AND GUTTER
		PROPOSED CURB
	8"	DECIDUOUS TREE WITH DIA. SHOWN
	8"	EVERGREEN TREE WITH DIA. SHOWN
		BUSHES
		SHRUB
		TREE STUMP
	X	SCRIBED X
		PK, CONTROL PT
		HUB AND TACK
		FOUND IP
		EXISTING POTABLE WELL
	---777---	EXISTING CONTOUR
	—777—	PROPOSED CONTOUR
		EXISTING STOCKPILE
	—SF—	SILT FENCE
	---	EXISTING EDGE OF PAVEMENT
		VEGETATION BOUNDARY

SITE RESTORATION

ALL DISTURBED LANDSCAPE AREAS SHALL BE RESTORED AS FOLLOWS:

- TOPSOIL PLACEMENT, 4", CONFORMING TO SECTION 211 OF THE HIGHWAY STANDARDS.
- SEEDING, CLASS 1, CONFORMING TO SECTION 250 OF THE HIGHWAY STANDARDS.
- MULCH, METHOD 2 OR 3, OR EROSION CONTROL BLANKET CONFORMING TO SECTION 251 OF THE HIGHWAY STANDARDS.

SEEDING REQUIREMENTS

LOCATION	EROSION CONTROL MEASURE	
3:1 SLOPES	TOP SOIL PLACEMENT	4" CONFORMING TO SECTION 211 OF THE IDOT STANDARDS
	SEEDING	NATIVE GRASS SEEDING MIX, CLASS 4A, CONFORMING TO SECTION 250 OF THE IDOT STANDARDS
	STABILIZATION	EROSION CONTROL BLANKET CONFORMING TO SECTION 251 OF THE IDOT STANDARDS
BOTTOM OF DETENTION POND	TOP SOIL PLACEMENT	4" CONFORMING TO SECTION 211 OF THE IDOT STANDARDS
	SEEDING	NATIVE GRASS SEEDING MIX, CLASS 4B, CONFORMING TO SECTION 250 OF THE IDOT STANDARDS
	STABILIZATION	MULCH METHOD 2 OR 3 CONFORMING TO SECTION 251 OF THE IDOT STANDARDS
<3:1	TOP SOIL PLACEMENT	4" CONFORMING TO SECTION 211 OF THE IDOT STANDARDS
	SEEDING	SEED CLASS 1 CONFORMING TO SECTION 250 OF THE IDOT STANDARDS
	STABILIZATION	MULCH METHOD 2 OR 3 CONFORMING TO SECTION 251 OF THE IDOT STANDARDS

TYPICAL CONSTRUCTION SEQUENCING

- INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
 - SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
 - SILT FENCE INSTALLATION
 - INSTALL INLET AND PIPE PROTECTION AT POND OUTFALL
 - TREE/BRUSH/VEGETATION REMOVAL WHERE NECESSARY (CLEAR & GRUB)
 - BEGIN SITE DEMOLITION
 - STRIP TOPSOIL AND STOCKPILE TOPSOIL
 - TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND THE TOE OF SLOPE)
 - BEGIN GRADING SITE
 - INSTALL UTILITIES (STORM SEWER, SANITARY, WATERMAIN, ETC)
 - INSTALL INLET PROTECTION AT STORM SEWER INLETS
 - TEMPORARILY STABILIZE ALL AREAS THAT HAVE REACHED TEMPORARY GRADE
 - BEGIN CONSTRUCTION OF BUILDINGS/ROADS.
 - PERMANENTLY STABILIZE AREAS AS THEY ARE BROUGHT TO FINAL GRADE.
 - REMOVE ALL TEMPORARY SE/SC MEASURES ONCE THE SITE IS FULLY STABILIZED WITH PERMANENT VEGETATION.
 - RESTORE AREAS DISTURBED BY THE REMOVAL OF TEMPORARY SE/SC MEASURES.
- ** CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL TO PERFORM SOIL AND EROSION CONTROL INSPECTIONS/MAINTENANCE ONCE EVERY SEVEN CALENDAR DAYS AND AFTER EVERY 1/2 INCH OR GREATER RAINFALL OR EQUIVALENT SNOWFALL EVENT.

SOIL EROSION AND SEDIMENT CONTROL NOTES

- SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- FOR THOSE DEVELOPMENTS THAT REQUIRE AN INSPECTOR, INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR RE-DISTURBANCE.
- ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES APPROVED BY THE ENFORCEMENT OFFICER.
- APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND THE HIGH WATER LEVEL.
- STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- IF DE-WATERING DEVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DE-WATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DE-WATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DE-WATERING ACTIVITIES.
- IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMER OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY ALL LOCAL UTILITY COMPANIES 72 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION. SAID UTILITY COMPANIES WILL ESTABLISH, ON THE GROUND, THE LOCATION OF UNDERGROUND PIPES, MAINS, CONDUITS OR CABLES ADJOINING OR CROSSING PROPOSED CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY THE MUNICIPALITY AND THE ENGINEER A MINIMUM OF 24 HOURS IN ADVANCE OF PERFORMING ANY WORK. RENOTIFICATION SHALL BE REQUIRED IF ANY PHASE OF WORK IS SUSPENDED FOR MORE THAN TWO (2) DAYS.
- THE FOLLOWING CODES AND STANDARDS, AS APPLICABLE, SHALL GOVERN CONSTRUCTION UNDER THIS CONTRACT:
 - STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO, HEREINAFTER REFERRED TO AS THE HIGHWAY STANDARDS.
 - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO, HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS.
 - "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO.
 - THESE "GENERAL NOTES".
- THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", STATE OF ILLINOIS, AND SECTION 107.14 OF THE HIGHWAY STANDARDS. BARRICADES AND OTHER REQUIRED TRAFFIC CONTROL SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.
- UTILITIES SHOWN IN THE PLANS ARE FOR THE CONTRACTOR'S CONVENIENCE AND ARE APPROXIMATE ONLY. THE UTILITIES ARE LOCATED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL TYPES, SIZES AND LOCATIONS OF EXISTING UTILITIES.

CAUTION: THERE MAY BE OVERHEAD AND BURIED POWER LINES WHICH COULD POSSIBLY INTERFERE OR BE A SAFETY HAZARD WITH EQUIPMENT OPERATIONS.
- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL HAVE IN HIS POSSESSION ALL REQUIRED PERMITS FOR THE CONSTRUCTION OF THIS PROJECT AS NECESSARY (E.G., ILLINOIS DEPARTMENT OF TRANSPORTATION, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, LAKE COUNTY HIGHWAY DEPARTMENT, RAILROADS, PUBLIC UTILITY COMPANIES, ETC.).
- WHEN LOOSE MATERIAL IS DEPOSITED IN DITCHES OR GUTTERS, IT SHALL BE REMOVED BEFORE THE END OF EACH WORKING DAY. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL FEATURES DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL STATE, OR BETTER. ALL RESTORATION WORK REQUIRED BEYOND THE SCOPE OF THE PLANS AND SPECIFICATIONS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE UNLESS WORK WAS DONE AT THE DIRECTION OF THE OWNER OR ENGINEER AND COMPENSATION WAS AGREED UPON PRIOR TO EXECUTION OF WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL NECESSARY PAVEMENT OPENINGS AND CONSTRUCTION DEBRIS LEFT IN THE PUBLIC RIGHT-OF-WAY WITH LIGHTED DEVICES. THE CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS TO PEDESTRIANS AND MOTORISTS. REMOVAL OF ANY SUCH TEMPORARY HAZARDS SHALL BE DONE AS SOON AS POSSIBLE.
- THE GRADING AND CONSTRUCTION OF PROPOSED IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. GRADING SHALL BE DONE TO ALLOW POSITIVE DRAINAGE. "DITCH CHECKS" AND/OR SILT FENCES, UNLESS OTHERWISE SPECIFIED, SHALL BE INSTALLED, IF NECESSARY, TO PREVENT EROSION. COST OF THIS WORK SHALL BE NECESSARY, TO PREVENT EROSION. COST OF THIS WORK SHALL BE NECESSARY, TO PREVENT EROSION.
- MANHOLE RIM ELEVATIONS ARE PROVIDED TO ASSIST THE CONTRACTOR IN ORDERING MATERIALS. THESE ELEVATIONS ARE FOR INFORMATION ONLY, AND FINAL ADJUSTMENT OF STRUCTURES TO MEET SITE CONDITIONS WILL BE NECESSARY. NO PAYMENT WILL BE MADE FOR FINAL ADJUSTMENT OF STRUCTURES, AND THE COST THEREOF SHALL BE INCIDENTAL TO AND INCLUDED IN THE CONTRACT UNIT PRICE FOR SAID STRUCTURE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STREETS USED BY THE CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS CLEAN AND FREE OF ALL DIRT, MUD, AND OTHER CONSTRUCTION DEBRIS, AND WILL BE REQUIRED TO CLEAN THEM AS IS NECESSARY IN ORDER TO MAINTAIN THEM IN A SAFE, DRIVEABLE CONDITION. THE CONTRACTOR SHALL BE ESPECIALLY RESPONSIVE TO REQUESTS FROM THE ENGINEER, ENGINEER'S REPRESENTATIVE, DIRECTOR OF PUBLIC WORKS, SUPERINTENDENT OF STREETS, POLICE AND FIRE DEPARTMENTS, OR ANY OFFICIAL OF THE OWNER TO PRACTICE GOOD HOUSEKEEPING THROUGHOUT THE DURATION OF THIS PROJECT. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.
- ALL LOCATIONS REFERENCED TO ILLINOIS STATE PLANE NAD83, NAVD88.
- BERMS SHALL BE CONSTRUCTED OF CLAY FILL, COMPACTED TO A DENSITY OF 95%.

REVISIONS		
NO.	ITEM	DATE
1	PER LAKE COUNTY COMMENTS	10/14/14
2	PER LAKE COUNTY COMMENTS	12/8/14
3	PER LAKE COUNTY COMMENT LETTER DATED 1-5-2016	3/18/16
4	PER LAKE COUNTY COMMENT LETTER DATED 5-25-2016	7/1/16
5	PER OWNER	12/14/2016

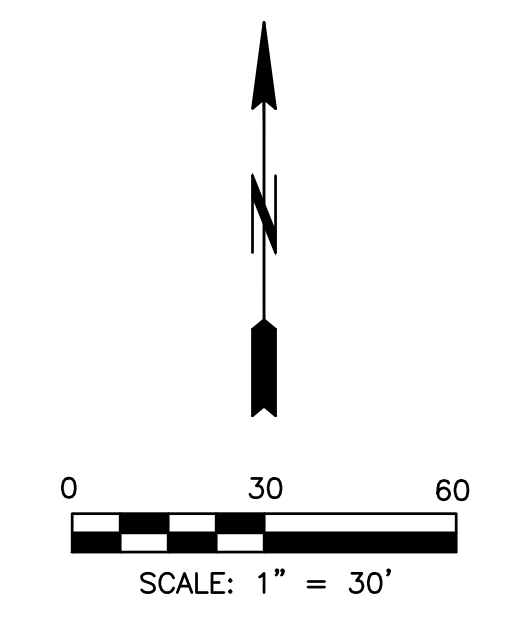
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7	PRELIMINARY PUD	02/08/17
8	PUD FINAL PLAN	02/24/17

SCALE:	N.T.S.
DRAWN BY:	SFG
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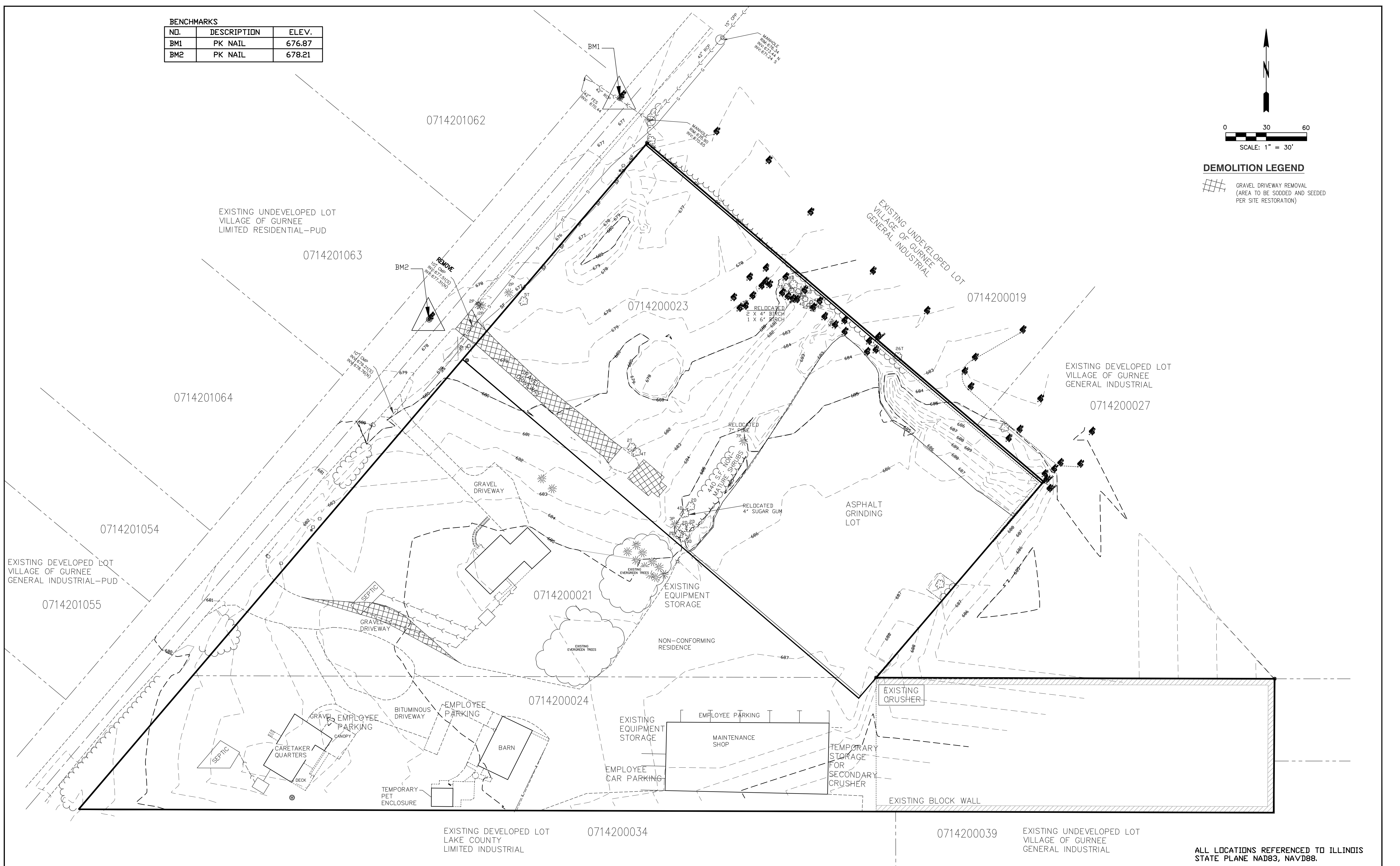
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GENERAL NOTES AND DETAILS
PETERSEN EXCAVATING PLANNED UNIT DEVELOPMENT FINAL PLAN
VILLAGE OF GURNEE JOB NUMBER: 02-14-14-129 LAKE COUNTY, ILLINOIS
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BENCHMARKS		
NO.	DESCRIPTION	ELEV.
BM1	PK NAIL	676.87
BM2	PK NAIL	678.21



DEMOLITION LEGEND
 GRAVEL DRIVEWAY REMOVAL
 (AREA TO BE SODDED AND SEEDED
 PER SITE RESTORATION)



ALL LOCATIONS REFERENCED TO ILLINOIS
 STATE PLANE NAD83, NAVD88.

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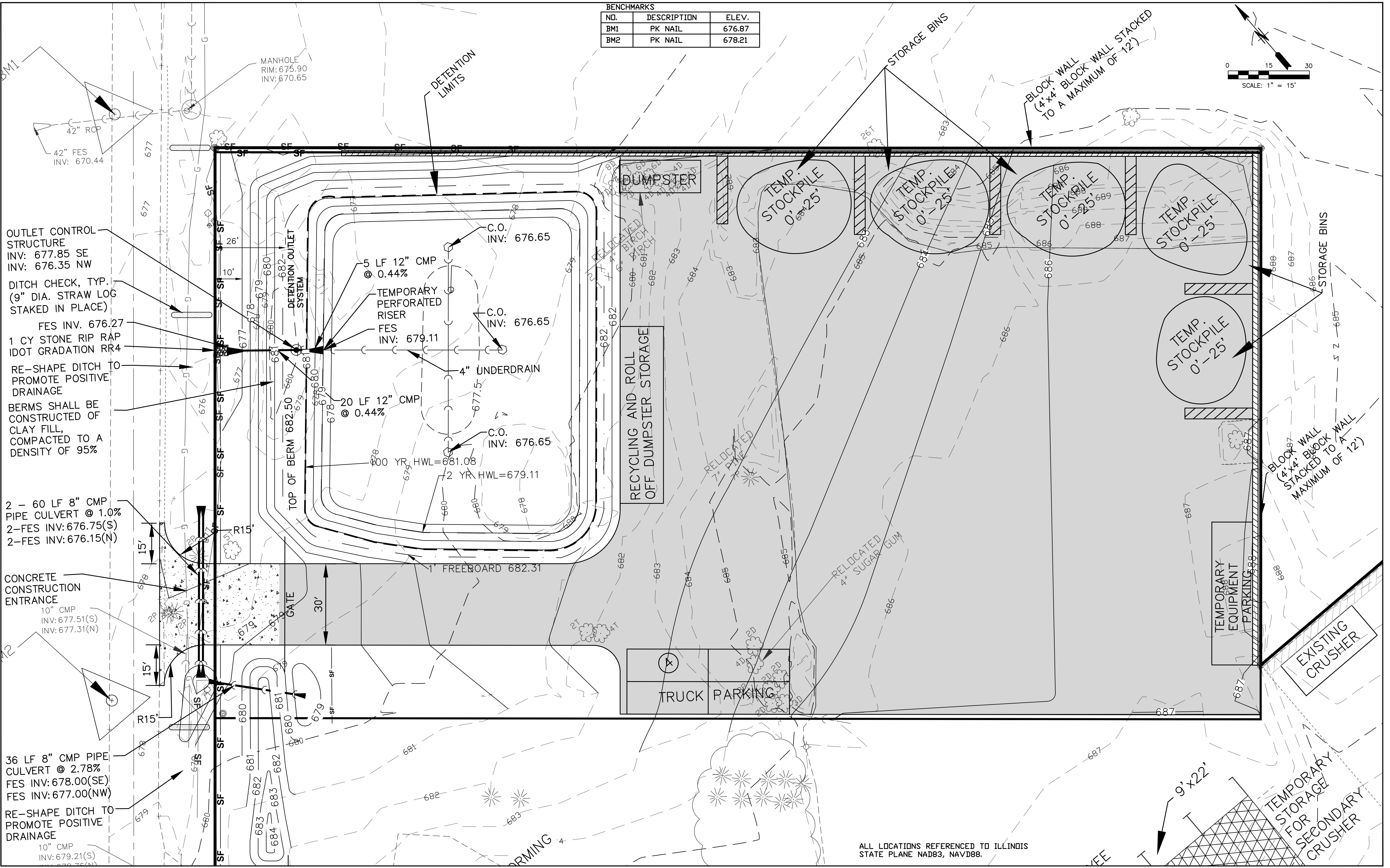
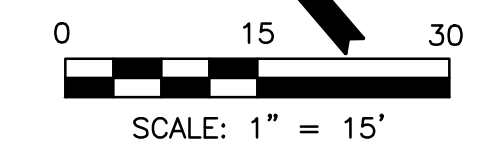
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DEMOLITION PLAN
PETERSEN EXCAVATING PLANNED UNIT DEVELOPMENT FINAL PLAN
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SHEET NO.
4

BENCHMARKS		
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BM2	PK NAIL	678.21



OUTLET CONTROL STRUCTURE
INV: 677.85 SE
INV: 676.35 NW

DITCH CHECK, TYP.
(9" DIA. STRAW LOG
STAKED IN PLACE)

FES INV. 676.27
1 CY STONE RIP RAP
IDOT GRADATION RR4
RE-SHAPE DITCH TO
PROMOTE POSITIVE
DRAINAGE

BERMS SHALL BE
CONSTRUCTED OF
CLAY FILL,
COMPACTED TO A
DENSITY OF 95%

2 - 60 LF 8" CMP
PIPE CULVERT @ 1.0%
2-FES INV: 676.75(S)
2-FES INV: 676.15(N)

CONCRETE
CONSTRUCTION
ENTRANCE
10" CMP
INV: 677.51(S)
INV: 677.31(N)

36 LF 8" CMP PIPE
CULVERT @ 2.78%
FES INV: 678.00(SE)
FES INV: 677.00(NW)

RE-SHAPE DITCH TO
PROMOTE POSITIVE
DRAINAGE
10" CMP
INV: 679.21(S)
INV: 679.76(N)

5 LF 12" CMP
@ 0.44%
TEMPORARY
PERFORATED
RISER
FES
INV: 679.11
C.O.
INV: 676.65
4" UNDERDRAIN
C.O.
INV: 676.65
20 LF 12" CMP
@ 0.44%
C.O.
INV: 676.65
100 YR. HWL=681.08
2 YR HWL=679.11

RECYCLING AND ROLL
OFF DUMPSTER STORAGE

TRUCK PARKING

ALL LOCATIONS REFERENCED TO ILLINOIS
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ENLARGED GRADING PLAN
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SHEET NO.
6

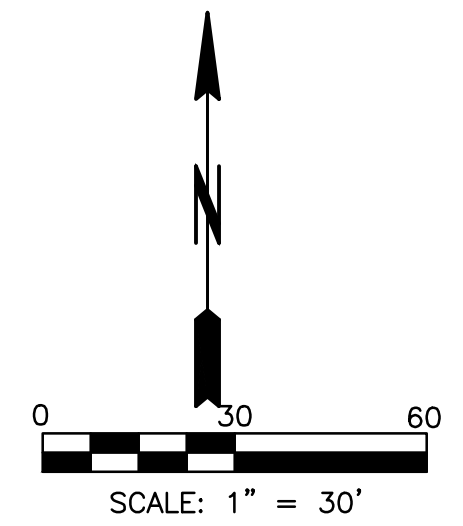
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SITE CAPACITY

PIN	GROSS AREA (AC)	RDW (AC)	NET AREA (AC)
0714200021	1.53	0.25	1.28
0714200023	2	0.13	1.87
0714200024	2	0.086	1.91
TOTAL=	5.53	0.47	5.06

SITE DATA

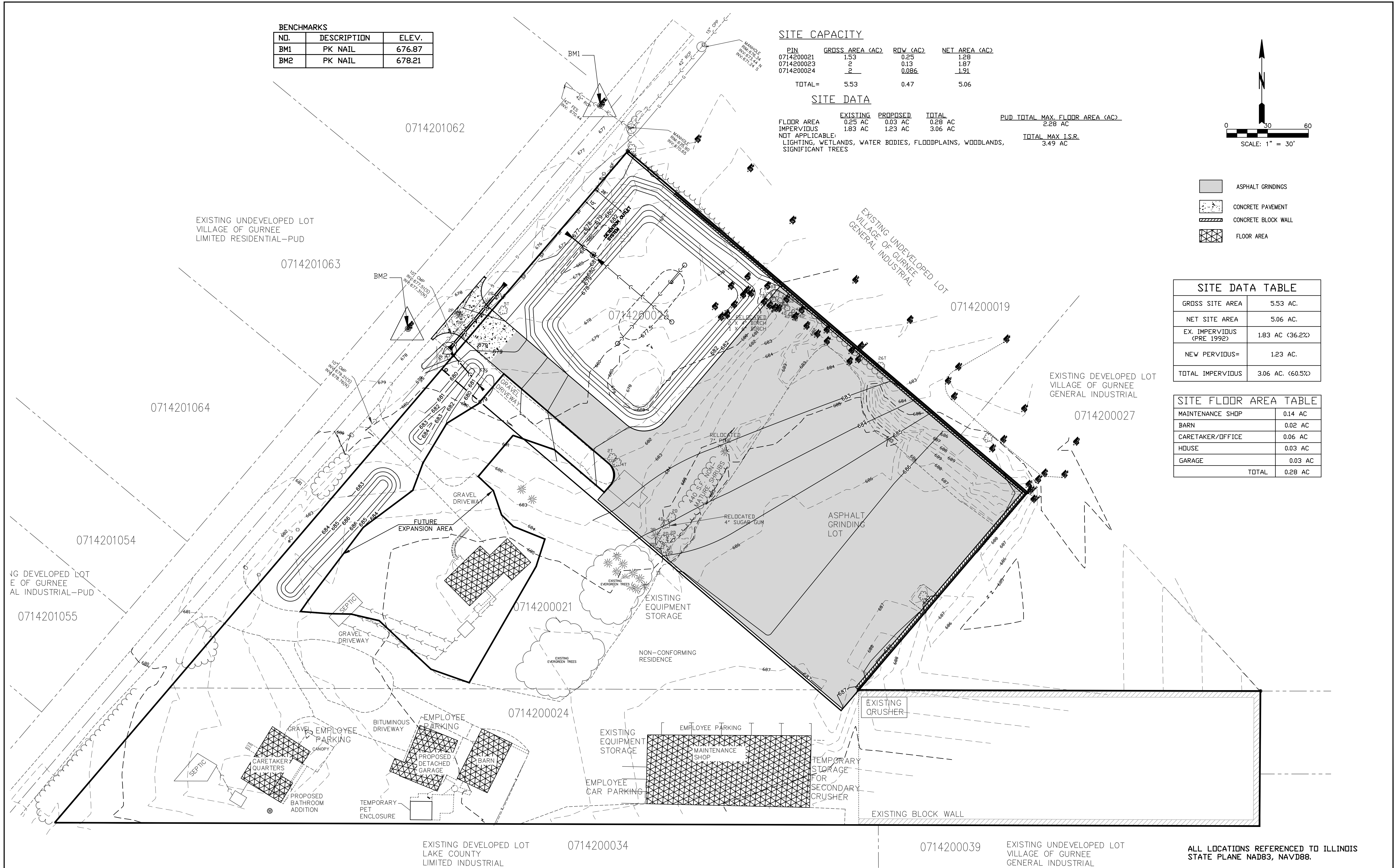
FLOOR AREA	EXISTING	PROPOSED	TOTAL	PUD TOTAL MAX. FLOOR AREA (AC)
FLOOR AREA	0.25 AC	0.03 AC	0.28 AC	2.28 AC
IMPERVIOUS	1.83 AC	1.23 AC	3.06 AC	
NOT APPLICABLE:				
LIGHTING, WETLANDS, WATER BODIES, FLOODPLAINS, WOODLANDS, SIGNIFICANT TREES				TOTAL MAX I.S.R. 3.49 AC



- ASPHALT GRINDINGS
- CONCRETE PAVEMENT
- CONCRETE BLOCK WALL
- FLOOR AREA

SITE DATA TABLE	
GROSS SITE AREA	5.53 AC.
NET SITE AREA	5.06 AC.
EX. IMPERVIOUS (PRE 1992)	1.83 AC (36.2%)
NEW PERVIOUS=	1.23 AC.
TOTAL IMPERVIOUS	3.06 AC. (60.5%)

SITE FLOOR AREA TABLE	
MAINTENANCE SHDP	0.14 AC
BARN	0.02 AC
CARETAKER/OFFICE	0.06 AC
HOUSE	0.03 AC
GARAGE	0.03 AC
TOTAL	0.28 AC



ALL LOCATIONS REFERENCED TO ILLINOIS STATE PLANE NAD83, NAVD88.

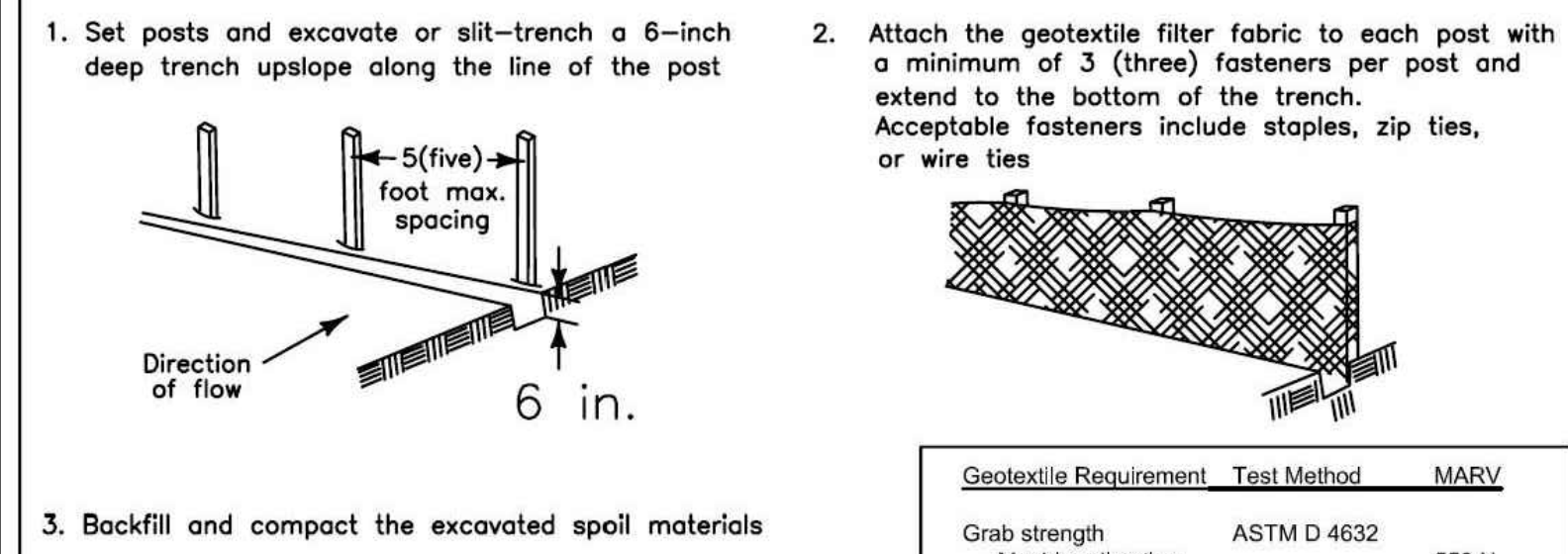
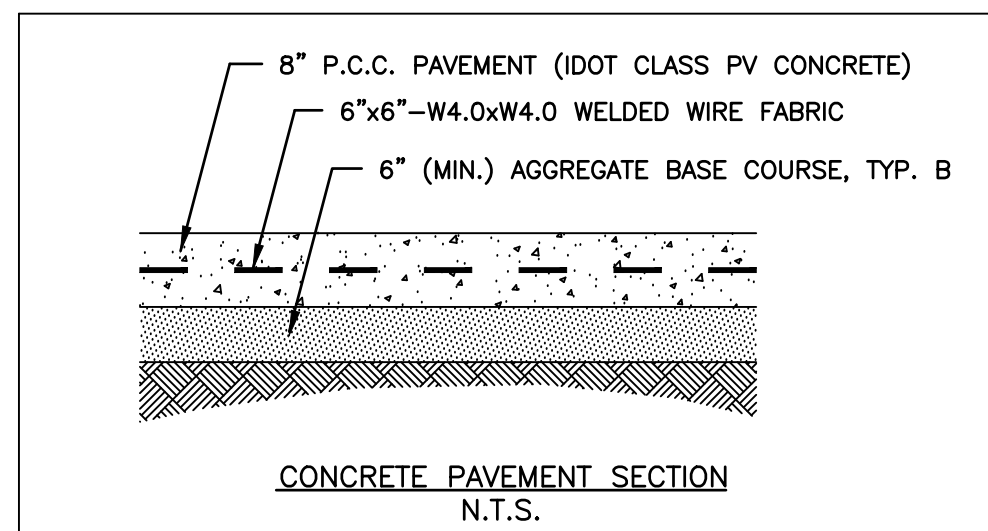
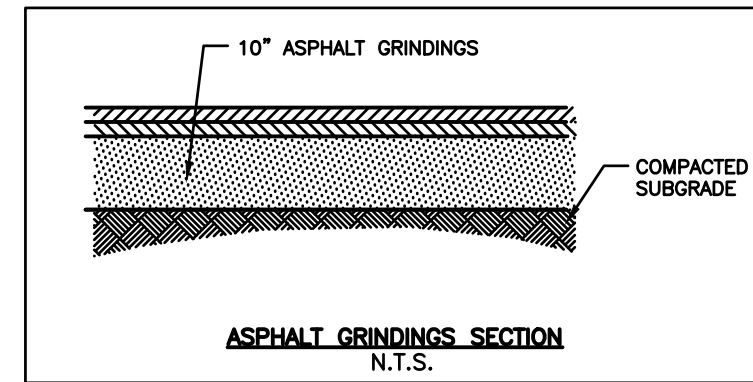
REVISIONS		
NO.	ITEM	DATE
1	PER LAKE COUNTY COMMENTS	10/14/14
2	PER LAKE COUNTY COMMENTS	12/8/14
3	PER LAKE COUNTY COMMENT LETTER DATED 1-5-2016	3/18/16
4	PER LAKE COUNTY COMMENT LETTER DATED 5-25-2016	7/1/16
5	PER OWNER	12/14/2016

REVISIONS		
NO.	ITEM	DATE
6	PER LAKE COUNTY COMMENTS DATED 01-17-2017	01/18/17
7	PRELIMINARY PUD	02/08/17
8	PUD FINAL PLAN	02/24/17

SCALE:	1" = 30'
DRAWN BY:	SFG
CHECKED BY:	HMD
DATE:	02/24/17

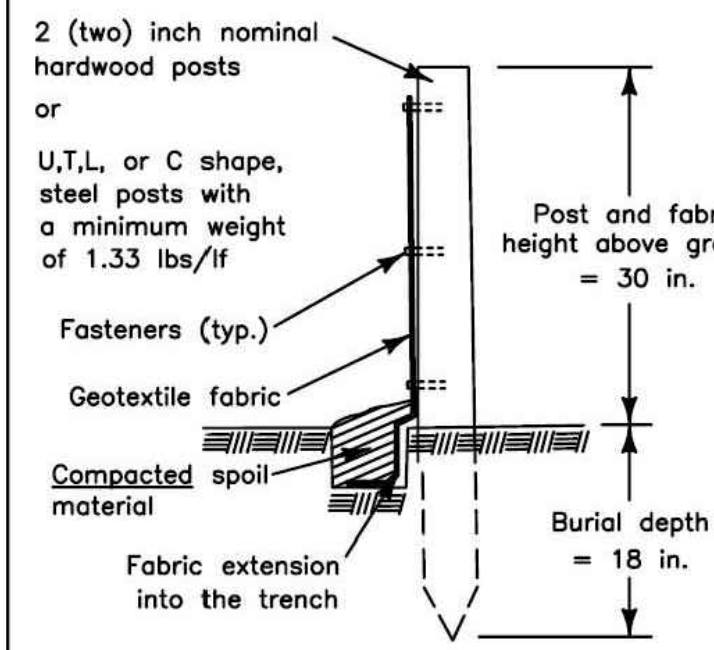
McClure
Engineering Associates, Inc.
2728 Grand Avenue Waukegan, Illinois 60085-2495
TEL 847-336-7100 FAX 847-336-7155
Design Firm License: Illinois 184-000816
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SITE CAPACITY AND NATURAL RESOURCE PLAN
PETERSEN EXCAVATING PLANNED UNIT DEVELOPMENT FINAL PLAN
VILLAGE OF GURNEE JOB NUMBER: 02-15-15-089 LAKE COUNTY, ILLINOIS
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Geotextile Requirement	Test Method	MARV
Grab strength - Machine direction	ASTM D 4632	550 N
- X-machine direction		450 N
Permittivity	ASTM D 4491	0.05 sec-1
Apparent opening size*	ASTM D 4751	0.60 mm
Ultraviolet stability (retained strength)	ASTM D 4355	70% after 500 hours

Note:
*Value for apparent opening size represents maximum average roll value.



SILT FENCE DETAIL

DATE: 4/21/08 BY: KAW
REVISED: BY:

PIPE APPROX. DIA. (IN.)	APPROX. HULL DIA. (IN.)	A	B	C	D	E	S	R	APPROX. SLURRY
12	12.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	10.4
15	15.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	12.4
18	18.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	14.4
21	21.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	16.4
24	24.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	18.4
27	27.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	20.4
30	30.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	22.4
33	33.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	24.4
36	36.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	26.4
39	39.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	28.4
42	42.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	30.4
45	45.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	32.4
48	48.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	34.4
51	51.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	36.4
54	54.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	38.4
57	57.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	40.4
60	60.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	42.4
63	63.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	44.4
66	66.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	46.4
69	69.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	48.4
72	72.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	50.4
75	75.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	52.4
78	78.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	54.4
81	81.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	56.4
84	84.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	58.4
87	87.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	60.4
90	90.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	62.4
93	93.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	64.4
96	96.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	66.4
99	99.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	68.4
102	102.00	2	4	4'-0 1/2"	6'-0 3/4"	24	2	9	70.4

GENERAL NOTES:
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement.
All dimensions are in inches unless otherwise noted.
All dimensions are in inches unless otherwise noted.

TEMPORARY DITCH CHECK

FOR BARE EARTH APPLICATION ONLY

TEMPORARY DITCH CHECK (1) ONE EACH (7 FOOT LONG) (ON THE RIGHT SIDE OF THE DITCH)

TEMPORARY DITCH CHECK (1) ONE EACH (7 FOOT LONG) (ON THE LEFT SIDE OF THE DITCH)

NOTES:
THE TEMPORARY DITCH CHECK SHALL BE USED IN BARE EARTH DITCH LINES AND SHALL BE REMOVED JUST PRIOR TO THE INSTALLATION OF EROSION CONTROL BLANKET AND SEEDING.
THE INSTALLATION SHOWN WILL BE MEASURED AND PAID FOR AS A TEMPORARY DITCH CHECK 14 FEET IN LENGTH.
STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE 7 UNIT AS SHOWN ON THE DIAGRAM.
POINT 1 MUST BE HIGHER THAN POINT 2 TO INSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.

REVISIONS:

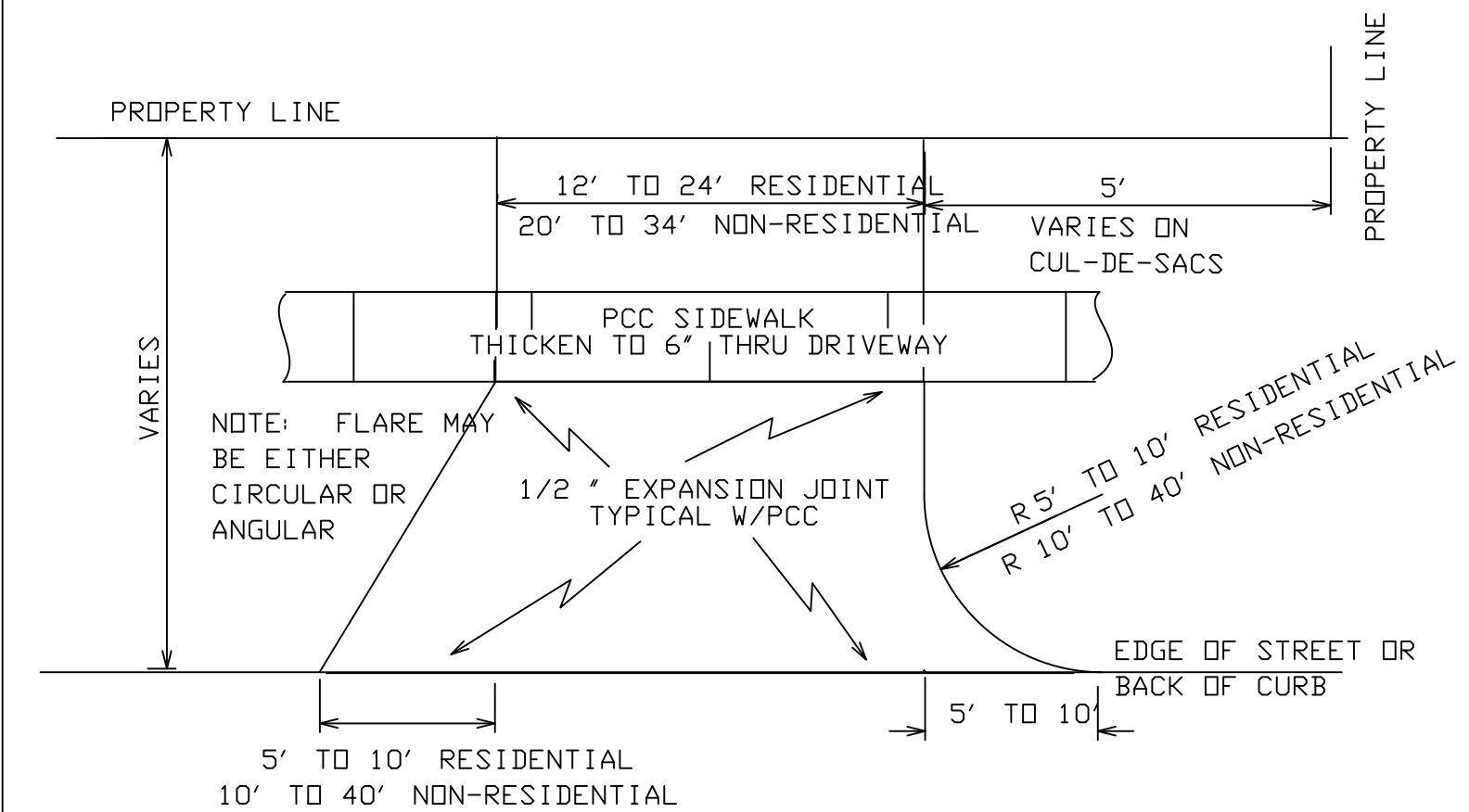
NO.	DATE	DESCRIPTION
1	04/21/08	ADDED DIMENSIONS
2	04/21/08	REVISED PLOT ITEM
3	07/20/12	ADDED PLASTIC BERM 10'2"

APPROVED BY: M. G. ZEMANIC
DATE: APRIL 1, 2007

LAKE COUNTY
Department of Transportation

TEMPORARY DITCH CHECK INSTALLATION FOR ROADWAY OR DRAINAGE DITCH
(SHEET 1 OF 2)

Section 5.18 of the Gurnee Municipal Code requires each parcel of property requesting access to a public street to meet specific construction requirements. PROPERTY INSTALLATION IS THE RESPONSIBILITY OF THE PERMIT HOLDER



Construction Requirements:
Materials: Asphalt Drive: 8 inch aggregate base with 2" bituminous surface.
Concrete Drive: 6 inch non-reinforced concrete, 6 bag mix, air entrained, no base course required.

Maximum Grade:
10% residential
8% non-residential

Distance to nearest 50' minimum residential
Intersection: 100' minimum non-residential

Curb and gutter required where access is taken from curb and gutter streets.
Note: Questions regarding construction of driveways on public property should be directed to the Village Engineer.

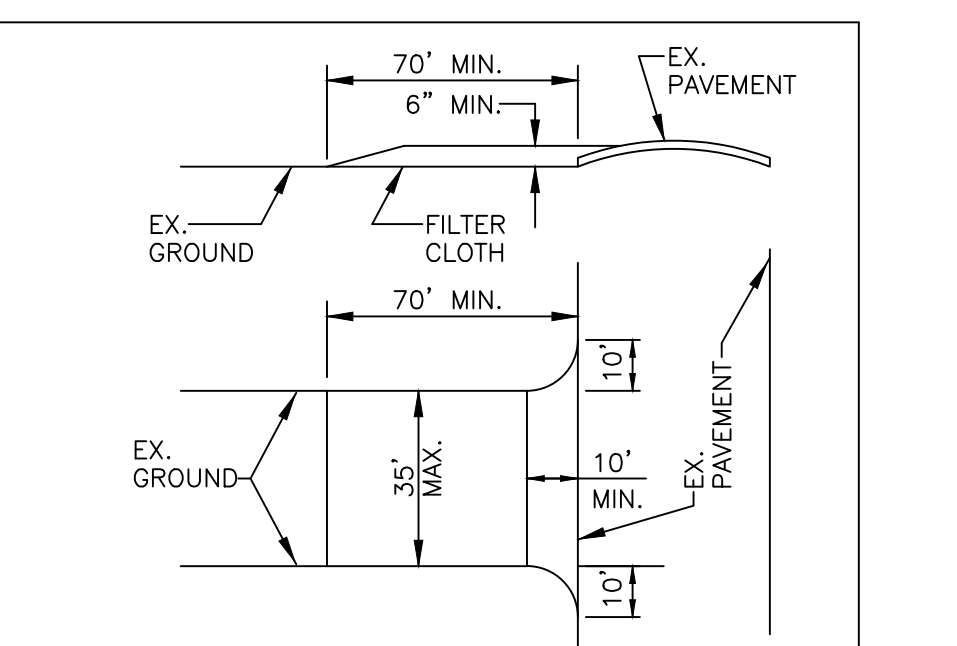
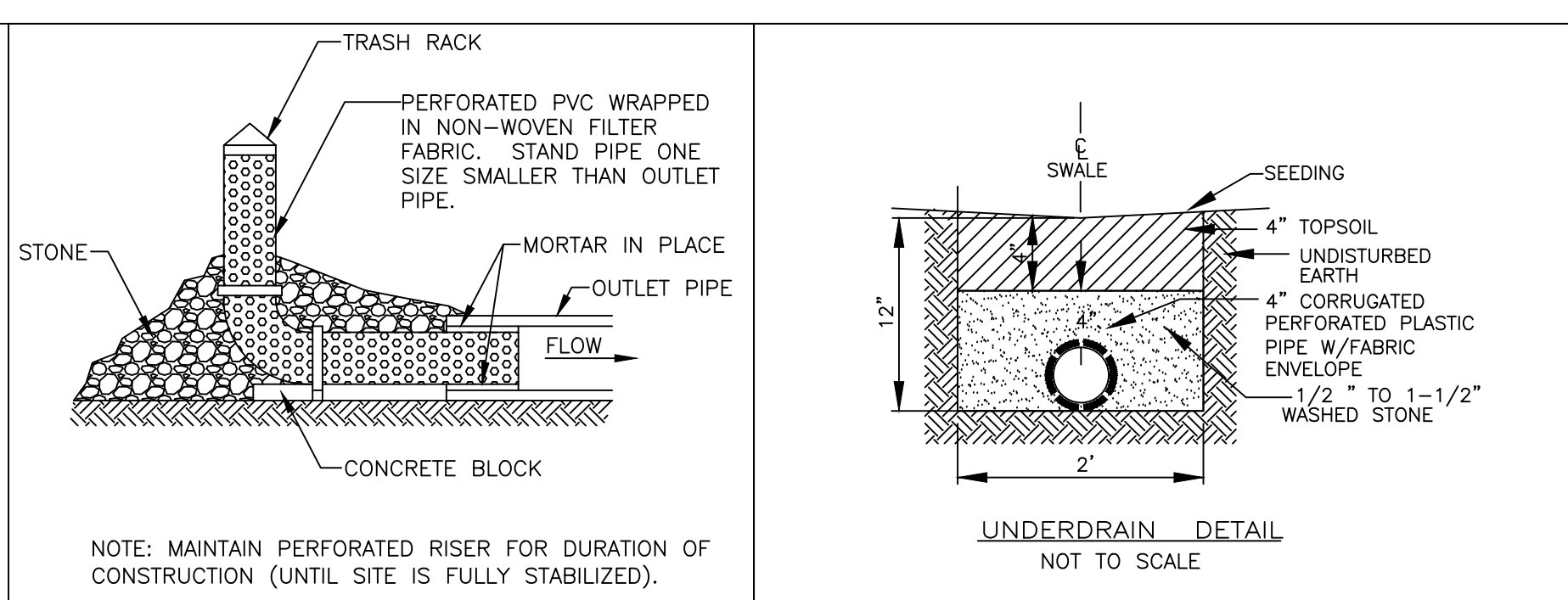
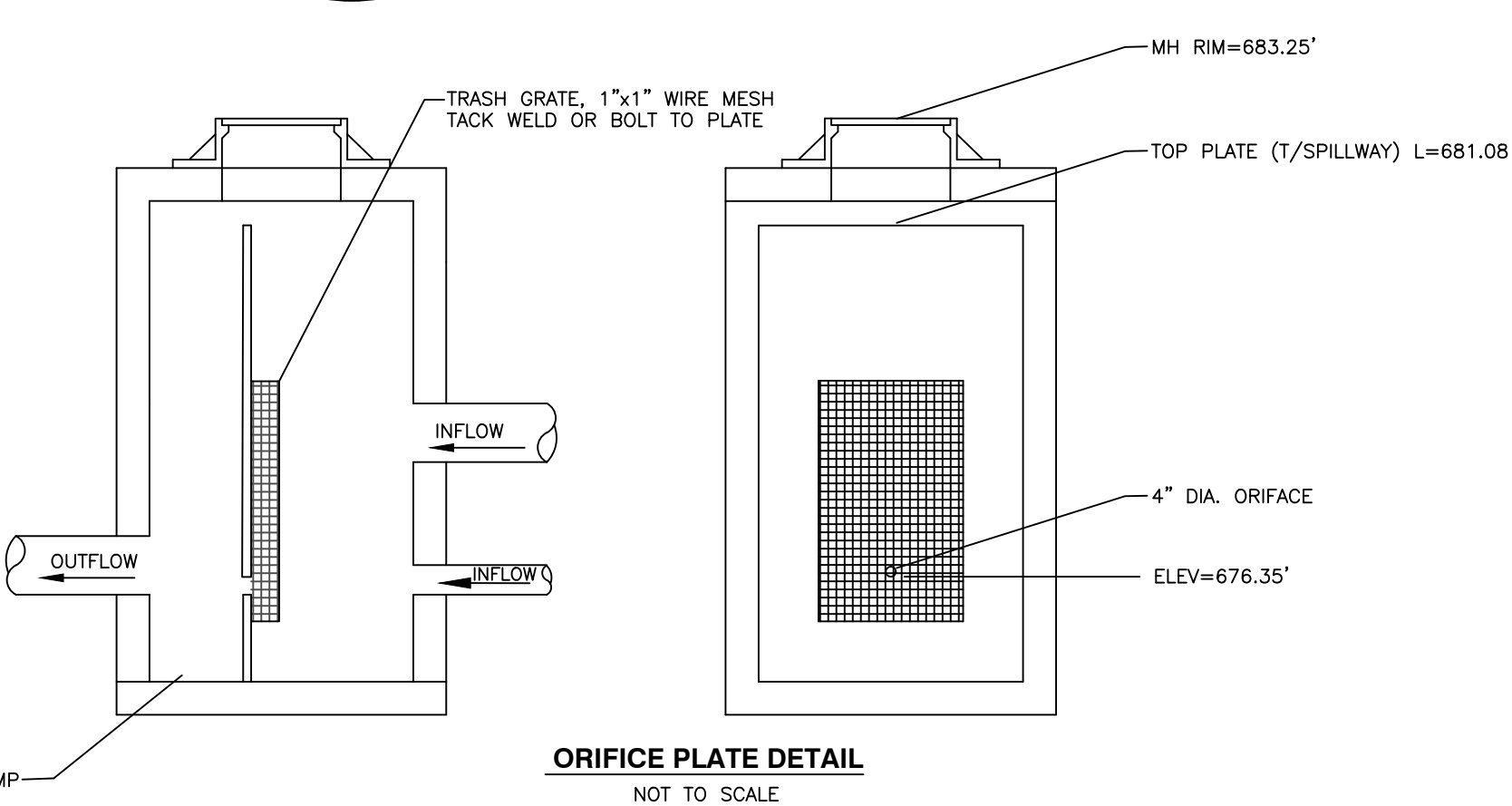
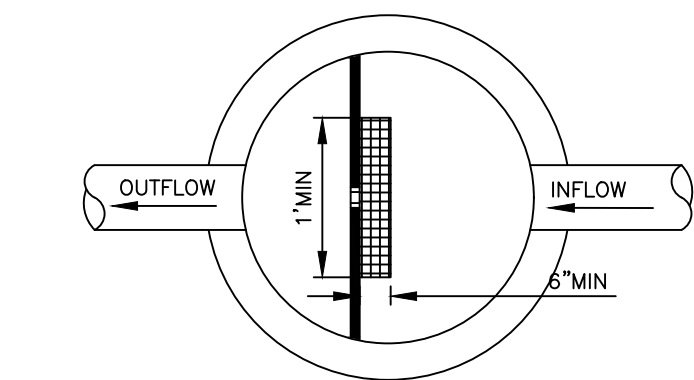
DRIVEWAY DETAIL

VILLAGE OF GURNEE
ENGINEERING DEPARTMENT

STANDARD NO. 019

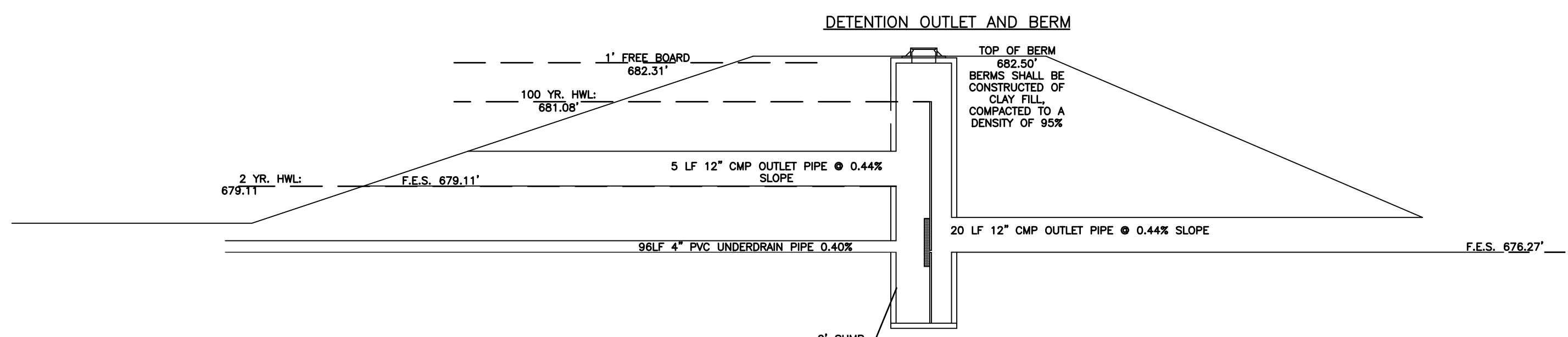
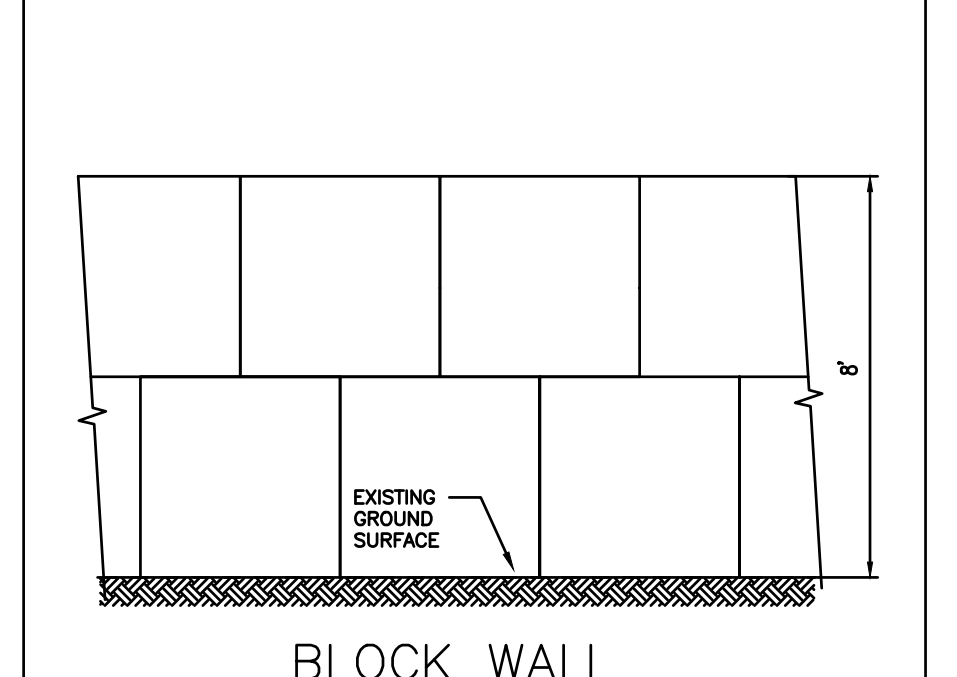
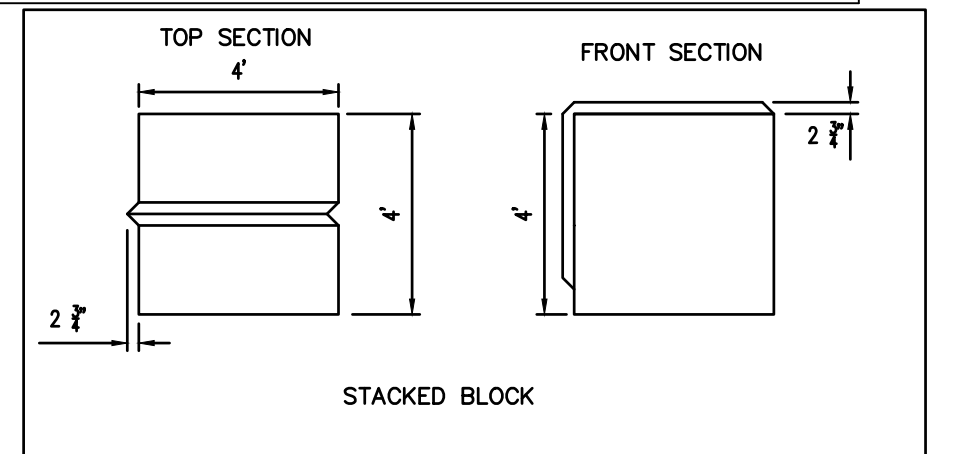
Approved by:

Issued	Revised	Date
PKL		12-19-98



STABILIZED CONSTRUCTION ENTRANCE

- Stone Size—Use CA-1
- Maintenance—The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or clean-out of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
- Filter Cloth—Will be placed over the entire area prior to placing of stone.
- Washing—Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.



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SCALE:	N.T.S.
DRAWN BY:	SFG
CHECKED BY:	HMD
DATE:	02/24/17

McClure
Engineering Associates, Inc.

2728 Grand Avenue
TEL 847-336-7100
Waukegan, Illinois 60085-2495
FAX 847-336-7155
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GENERAL NOTES AND DETAILS

PRECAST EXCAVATING PLANNED UNIT DEVELOPMENT FINAL PLAN
VILLAGE OF GURNEE

JOB NUMBER: 02-14-14-129 LAKE COUNTY, ILLINOIS

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SHEET NO.
D1