

LEGEND

EXISTING PROPOSED

--- SANITARY SEWER ---
--- STORM SEWER ---
CATCH BASIN
OPEN LID MANHOLE
CLOSED LID MANHOLE
INLET
WATER MAIN
VALVE
HYDRANT
HEADWALL
FLARED END
STREET LIGHT
UTILITY POLE
B-BOX
RETAINING WALL
SILT FENCE
CONTOUR
FM
XXX.XX
OVERFLOW ARROWS
TOP OF FOUNDATION
FINISH GRADE
FINISH FLOOR

---701---
---FM---
XXX.XX
TF~XXX.XX
FG~XXX.XX
FF~XXX.XX

---701---
---FM---
XXX.XX
TF~XXX.XX
FG~XXX.XX
FF~XXX.XX

PARCEL IDENTIFICATION NUMBER

West Lot 1: 27-02-411-016-0000
West Lot 2: 27-02-411-017-0000

SITE DATA

WEST AREA: 172,918 SQUARE FEET

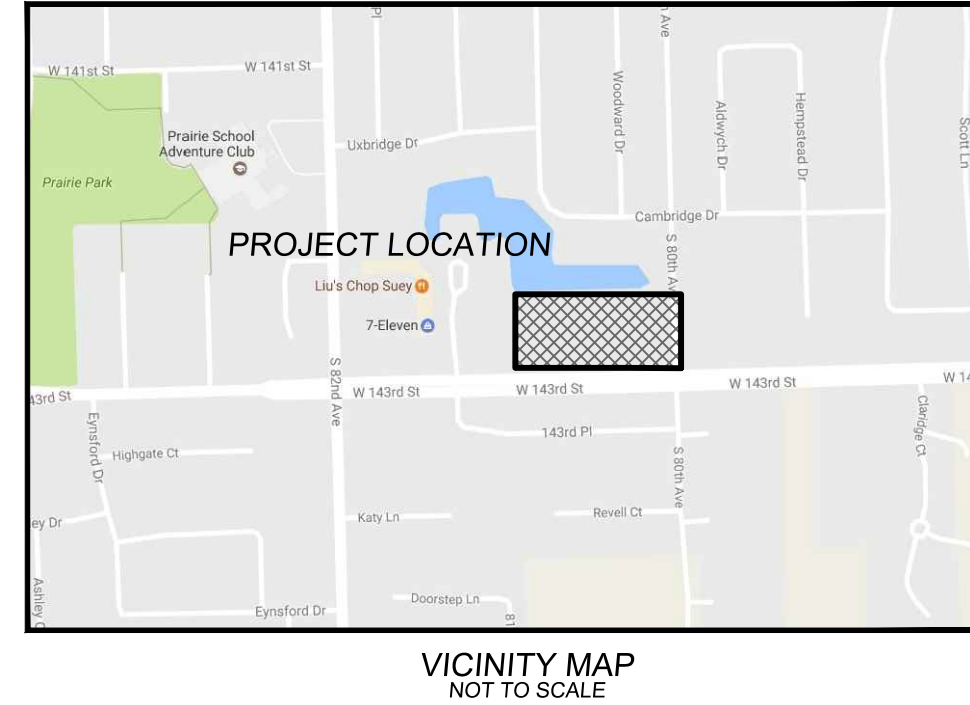
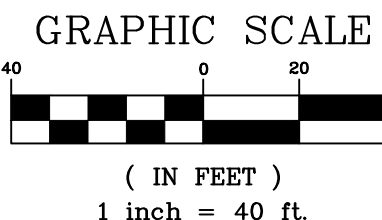
BASIS OF BEARING

THE BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE SYSTEM - EAST ZONE

PRELIMINARY ENGINEERING
FOR
Cobblestone
ORLAND PARK, ILLINOIS

LEGAL DESCRIPTION

LOTS 1 AND 2 IN MAHLER'S SUBDIVISION OF THE SOUTH 330.0 FEET OF THE EAST HALF OF THE SOUTHEAST QUARTER OF SECTION 2, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED AS DOCUMENT NUMBER 9018561, IN COOK COUNTY, ILLINOIS.



NO.	DATE	REVISIONS
1	11-27-2017	DESIGN/ENGINEERING
2	11-27-2017	EDITS/REVISED
3	11-27-2017	PER VILLAGE REVIEW
4	12-01-2017	PER CLIENT REVIEW
5	12-26-2017	PER VILLAGE REVIEW
6	12-26-2017	PER VILLAGE REVIEW
7	12-26-2017	PER VILLAGE REVIEW
8	12-26-2017	PER VILLAGE REVIEW
9	12-26-2017	PER VILLAGE REVIEW
10	12-26-2017	PER VILLAGE REVIEW

McNAUGHTON DEVELOPMENT
220 S. JACKSON STREET
BURR RIDGE, ILLINOIS 60527
(630) 325-3400

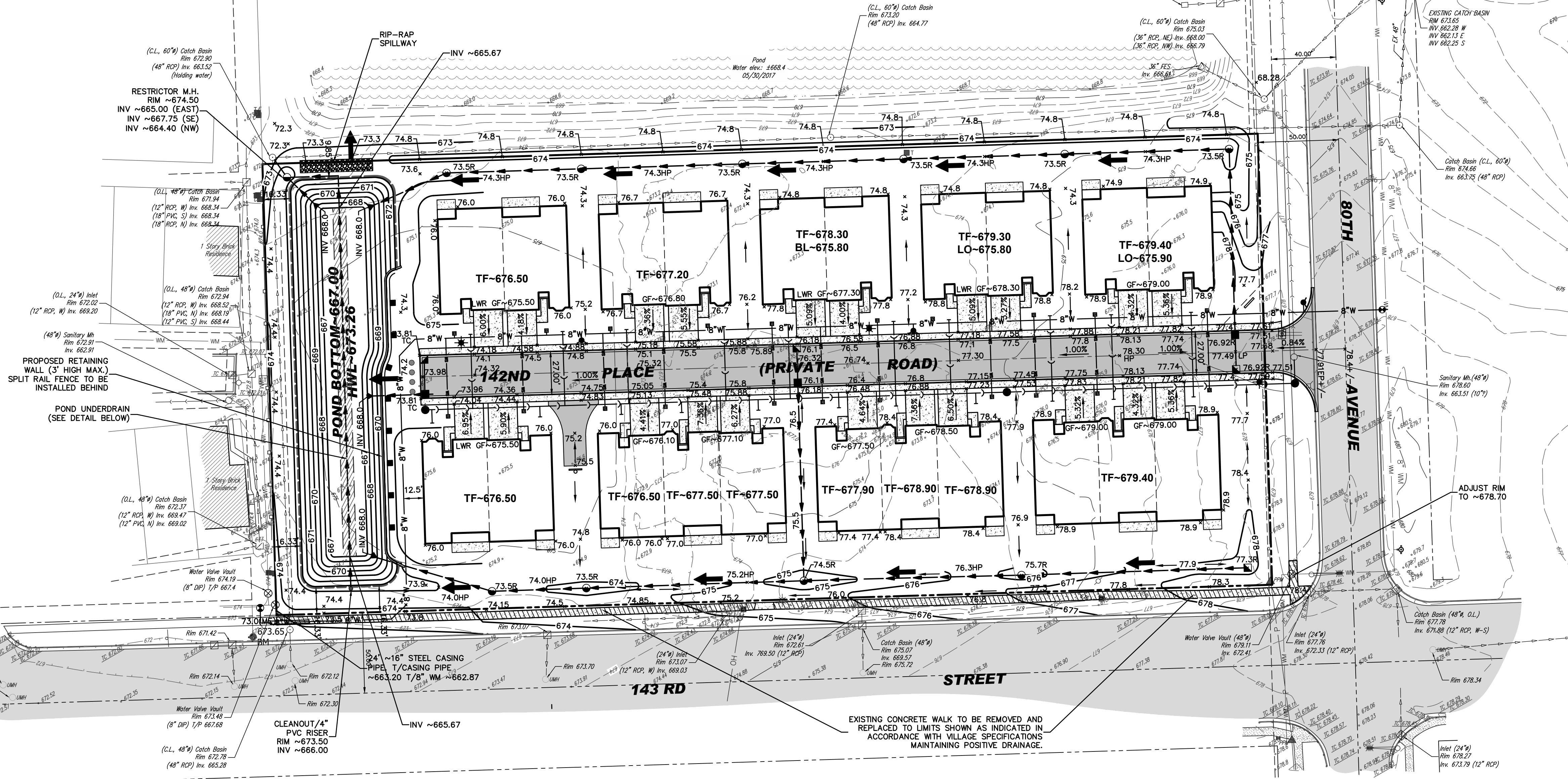
PRELIMINARY ENGINEERING PLAN
FOR
COBBLESTONE
ORLAND PARK, ILLINOIS

DESIGN/ENGINEERING, INC.
CONSULTING AND SITE DESIGN ENGINEERS
9930 W. 190TH STREET, SUITE L
MOKENA, ILLINOIS 60448
(708) 326-4961
IL Prof. Lic. No.: 184-003740

DEI

PROJECT INFORMATION

Project No.: 17-0033
Scale: 1" = 40'
Date: 07-17-17
Design By: SDS
Drawn By: DEI
Checked By: SDS



GRADING CONVERSIONS

CL - 0.30' = EDGE OF PAVEMENT ELEVATION
CL - 0.38' = FLOW LINE ELEVATION
CL - 0.17' = TOP OF CURB ELEVATION

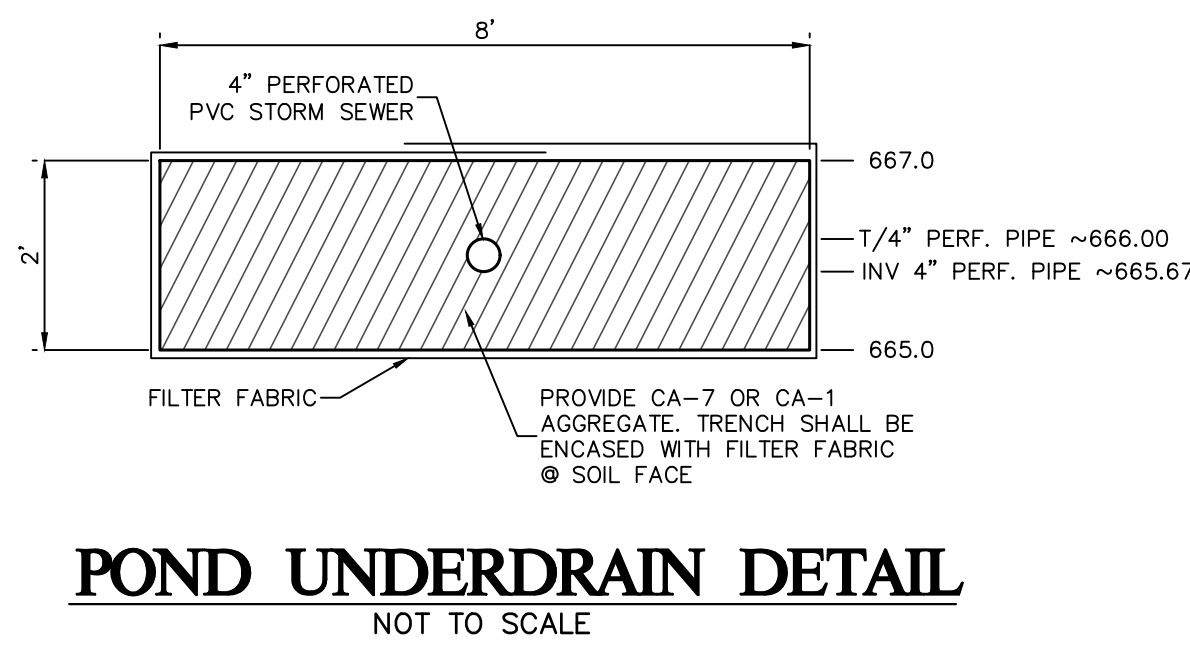
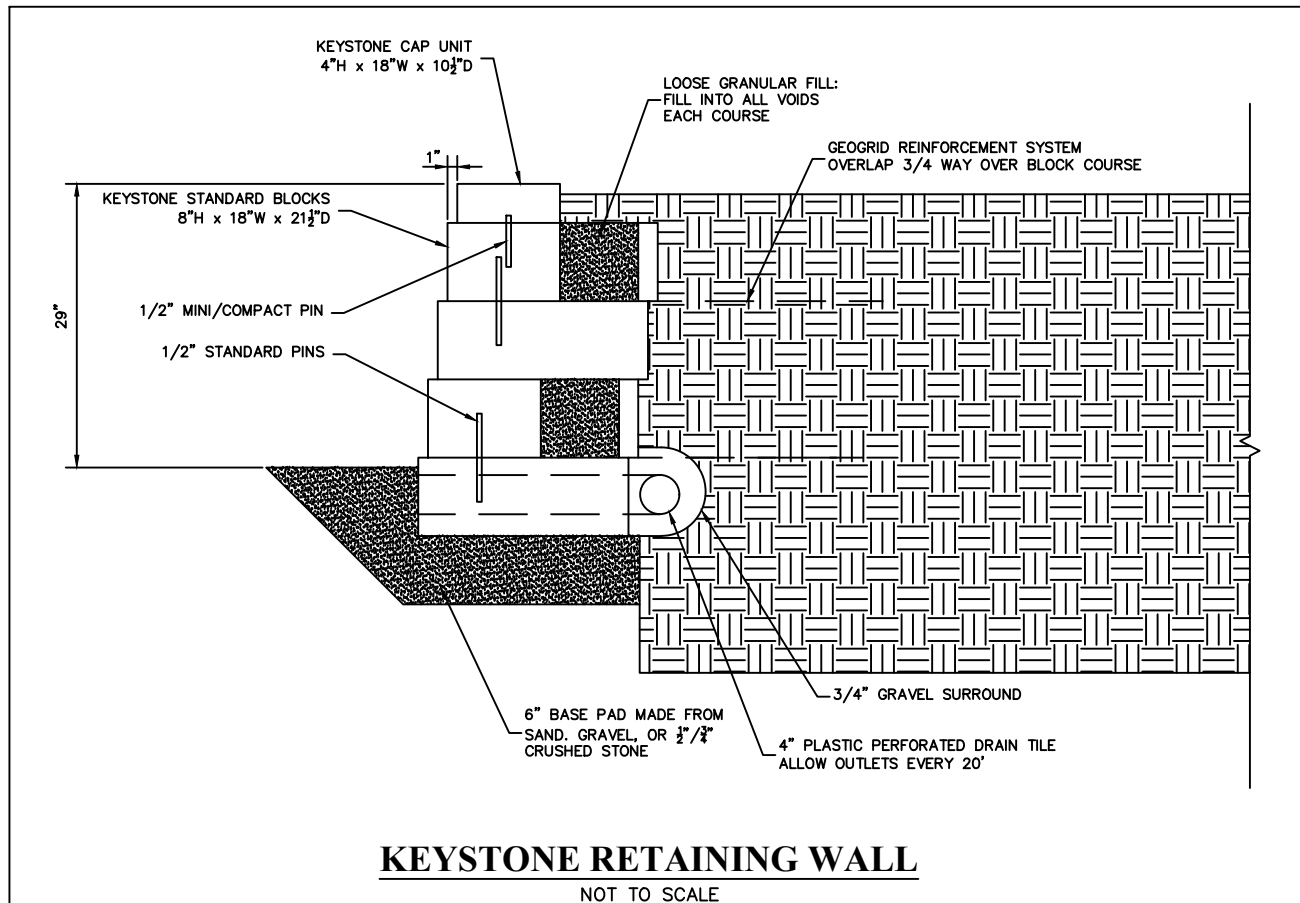
STORM WATER REQUIREMENTS

DETENTION:
VOLUME REQUIRED = 1.45 Ac. Ft.
VOLUME PROVIDED @ WEIR = 1.47 Ac. Ft.
(STORM WATER LOT)

VCBMP:
VOLUME REQUIRED = 0.16 Ac. Ft.
OR
83,033 x (1"/12) = 6,919 Cu. Ft.
VCBMP VOL. PROVIDED = 0.14 Ac. Ft.
668.0-667.0 = 1.0' x (6,085) = 6,085 Cu. Ft.
(STORM WATER LOT)

POND UNDERDRAIN =
= 8 FT x 1 FT x 210 FT = 1,680 CU-FT
= (8 FT x 1 FT x 210 FT) x 0.50 = 840 CU-FT
= 2,520 CU-FT x 0.36 = 907.20 CU-FT
= 907.20/43,560 = 0.021 AC-FT

TOTAL VCBMP VOL. PROVIDED = 0.161 Ac. Ft.



BENCHMARKS

INITIAL BENCHMARK: NGS CONTROL MONUMENT DN4690
ELEVATION: 729.45 (NAVD 88)

SITE BENCHMARK: NORTHWEST FLANGE BOLT ON FIRE HYDRANT AT THE SOUTHWEST CORNER OF PROJECT, SHOWN HEREON.
ELEVATION: 672.37 (NAVD 88)