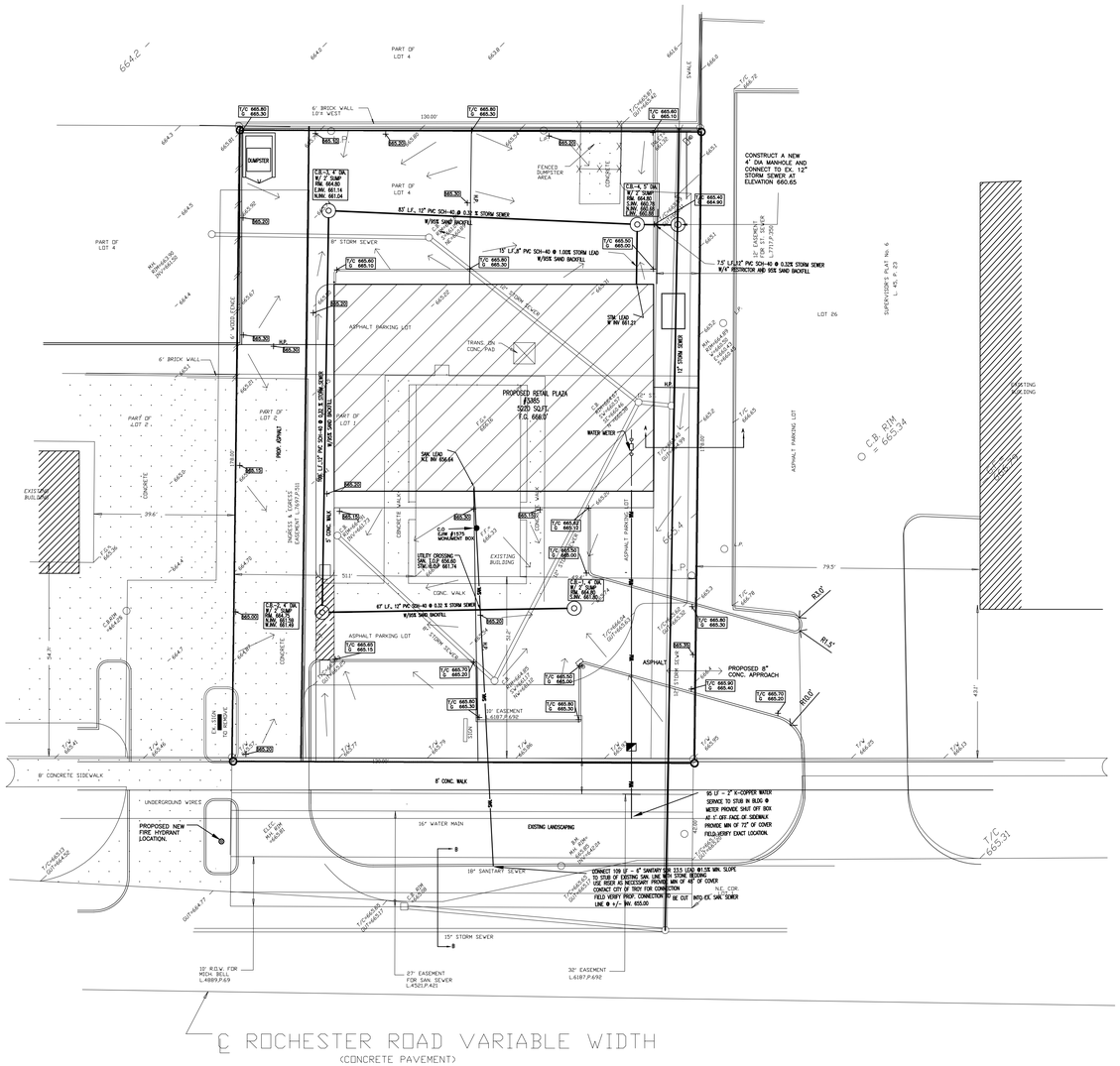

GRADING PLAN
SCALE 1"=20'

N

LEGAL DESCRIPTION:

THE WEST 108 FEET OF LOT 1 & THE NORTH 20 FEET OF THE WEST 108 FEET OF LOT 2 & THE NORTH 130 FEET OF THE EAST 70 FEET OF LOT 4 "SUPERVISOR'S PLAT No. 17" OF PART OF THE S.E. 1/4 OF SECTION 22, T. 2 N., R.11 E., TROY TOWNSHIP (NOW CITY OF TROY), OAKLAND COUNTY, MICHIGAN. AS RECORDED IN LIBER 28 OF PLATS, ON PAGE 36 OF THE OAKLAND COUNTY RECORDS.

BENCHMARKS:

CITY BENCMARK #1237 - ARROW ON TOP OF HYDRANT ON THE WEST SIDE OF ROCHESTER ROAD AT BUILDING No. 3373
ELEVATION = 667.223 N.G.V.D.

CITY BENCHMARK #1239 - ARROW ON TOP OF HYDRANT ON THE WEST SIDE OF ROCHESTER ROAD AT BUILDING No. 3499
ELEVATION = 667.616 N.G.V.D.

SITE BENCHMARK - SANITARY M.H. RIM ON THE WEST SIDE OF ROCHESTER ROAD AT BUILDING No. 3385
ELEVATION = 665.85 N.G.V.D.

DETERMINATION OF DETENTION VOLUME

AVERAGE C VALUE FOR EXISTING CONDITIONS:
(0.25X0.065 + 0.95X0.466)/0.531 = 0.864

AVERAGE C VALUE FOR PROPOSED CONDITIONS:
(0.25X0.079 + 0.95X0.542)/0.531 = 0.846 < 0.864

THERFORE NO DETENTION IS NEEDED

PROJECT:

MURRAY PLAZA

OWNER'S NAME

HUSSEIN ABDU MURRAY
3730 NEWCASTLE DR.
ROCHESTER HILLS, MI 48306

LOCATION:

3385 ROCHESTER RD.
TROY, MICHIGAN

A & M CONSULTANTS INC.

13746 MICHIGAN AVE
DEARBORN, MI 48126

PH:(313) 582-0022
FAX:(313) 582-0028

DRAWN BY:
A.A

APPROVED BY:
ADNAN AL-SAATI, P.E.

SUBMITTALS

REVISIONS:

PROJECT NO

DATE
07/07/2014

SCALE
NOTED

SHEET TITLE
PRELIMINARY GRADING PLAN

SP-2

SEAL