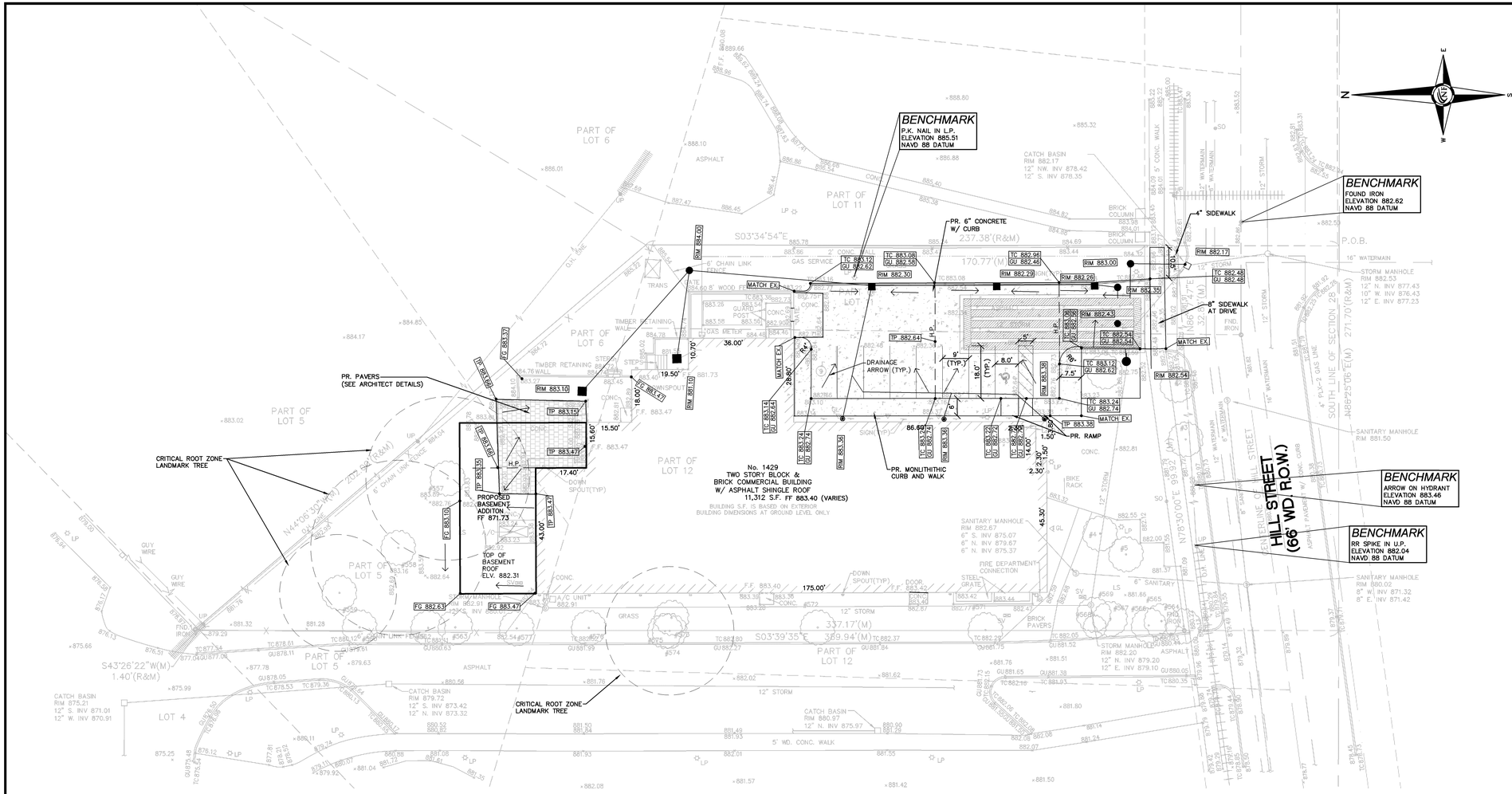
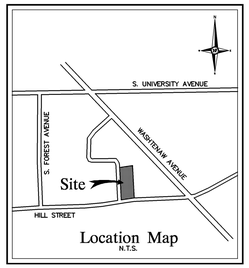




GENERAL PAVING NOTES

PAVEMENT SHALL BE OF THE TYPE, THICKNESS AND CROSS SECTION AS INDICATED ON THE PLANS AND AS FOLLOWS:

CONCRETE: PORTLAND CEMENT TYPE IA (AIR–ENTRAINED) WITH A MINIMUM CEMENT CONTENT OF SIX SACKS PER CUBIC YARD, MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI AND A SLUMP OF 1 1/2 TO 3 INCHES.

ASPHALT: BASE COURSE – MDOT BITUMINOUS MIXTURE NO. 1100L, 20AA; SURFACE COURSE – MDOT BITUMINOUS MIXTURE NO. 1100T, 20AA; ASPHALT CEMENT PENETRATION GRADE 85–100, BOND COAT – MDOT SS–1H EMULSION AT 0.10 GALLON PER SQUARE YARD; MAXIMUM 2 INCH LIFT.

PAVEMENT BASE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY (MODIFIED PROCTOR) PRIOR TO PLACEMENT OF PROPOSED PAVEMENT. EXISTING SUB–BASE SHALL BE PROOF–ROLLED IN THE PRESENCE OF THE ENGINEER TO DETERMINE STABILITY.

ALL CONCRETE PAVEMENT, DRIVEWAYS, CURB & GUTTER, ETC., SHALL BE SPRAY CURED WITH WHITE MEMBRANE CURING COMPOUND IMMEDIATELY FOLLOWING FINISHING OPERATION.

ALL CONCRETE PAVEMENT JOINTS SHALL BE FILLED WITH HOT POURED RUBBERIZED ASPHALT JOINT SEALING COMPOUND IMMEDIATELY AFTER SAWCUT OPERATION. FEDERAL SPECIFICATION SS–S164.

ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS OF THE MUNICIPALITY AND THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT EDITION.

ALL TOP OF CURB ELEVATIONS, AS SHOWN ON THE PLANS, ARE CALCULATED FOR A 6" CONCRETE CURB UNLESS OTHERWISE NOTED.

ALL SIDEWALK RAMPS, CONFORMING TO PUBLIC ACT NO. 8, 1993, SHALL BE INSTALLED AS INDICATED ON THE PLANS.

CONSTRUCTION OF A NEW OR RECONSTRUCTED DRIVE APPROACH CONNECTING TO AN EXISTING STATE OR COUNTY ROADWAY SHALL BE ALLOWED ONLY AFTER AN APPROVED PERMIT HAS BEEN SECURED FROM THE AGENCY HAVING JURISDICTION OVER SAID ROADWAY.

FOR ANY WORK WITHIN THE PUBLIC RIGHT–OF–WAY, THE CONTRACTOR SHALL PAY FOR AND SECURE ALL NECESSARY PERMITS AND LIKEWISE ARRANGE FOR ALL INSPECTION.

EXISTING TOPSOIL, VEGETATION AND ORGANIC MATERIALS SHALL BE STRIPPED AND REMOVED FROM PROPOSED PAVEMENT AREA PRIOR TO PLACEMENT OF BASE MATERIALS.

EXPANSION JOINTS SHOULD BE INSTALLED AT THE END OF ALL INTERSECTION RADII.

SIDEWALK RAMPS, CONFORMING TO PUBLIC ACT NO. 8, 1973, SHALL BE INSTALLED AS SHOWN AT ALL STREET INTERSECTIONS AND AT ALL BARRIER FREE PARKING AREAS AS INDICATED ON THE PLANS.

ALL PAVEMENT AREAS SHALL BE PROOF–ROLLED UNDER THE SUPERVISION OF A GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF BASE MATERIALS AND PAVING MATERIALS.

FILL AREAS SHALL BE MACHINE COMPACTED IN UNIFORM LIFTS NOT EXCEEDING 9 INCHES THICK TO 98% OF THE MAXIMUM DENSITY (MODIFIED PROCTOR) PRIOR TO PLACEMENT OF PROPOSED PAVEMENT.

ESTIMATED QUANTITIES

PAVING

DESCRIPTION	QUANTITY	UNITS
8" NON–REINFORCED CONCRETE SIDEWALK	122	S.F.
6" REINFORCED CONCRETE W/CURB	472	S.Y.
MONOLITHIC CURB & WALK	831	S.F.
BRICK PAVERS	818	S.F.
RESTORATION	1	L.S.
MASS GRADING	1	L.S.

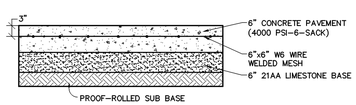
PAVING LEGEND

PROPOSED CONCRETE PAVEMENT

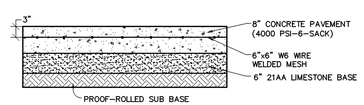
PROPOSED ASPHALT PAVEMENT

LEGEND

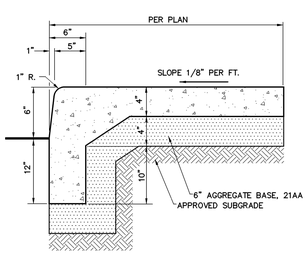
MANHOLE — EXISTING SANITARY SEWER
HYDRANT, GATE VALVE — SAN. CLEAN OUT
MANHOLE, CATCH BASIN — EXISTING WATERMAIN
EXISTING STORM SEWER
EX. R. Y. CATCH BASIN
UTILITY POLE, GUY POLE — EXISTING BURIED CABLES
GUY WIRE — OVERHEAD LINES
LIGHT POLE
SIGN
EXISTING GAS MAIN
C.O., MANHOLE — PR. SANITARY SEWER
HYDRANT, GATE VALVE — PR. WATER MAIN
INLET, C.B., MANHOLE — PR. STORM SEWER
PR. R. Y. CATCH BASIN
PROPOSED LIGHT POLE
TC 600.00 — PR. TOP OF CURB ELEVATION
GU 600.00 — PR. GUTTER ELEVATION
TW 600.00 — PR. TOP OF WALK ELEVATION
TP 600.00 — PR. TOP OF PVMT. ELEVATION
FG 600.00 — FINISH GRADE ELEVATION



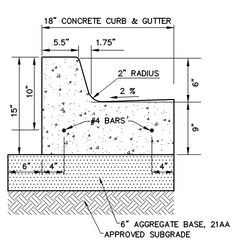
6" REINFORCED CONCRETE PAVEMENT SECTION
N.T.S.



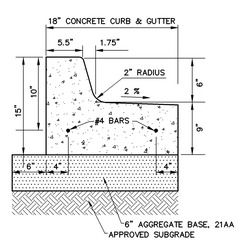
8" REINFORCED CONCRETE PAVEMENT SECTION
N.T.S.



6" MONOLITHIC CURB AND WALK
N.T.S.



CONCRETE CURB DETAIL 'A'
N.T.S.



CONCRETE CURB DETAIL 'B'
N.T.S.

NF ENGINEERS
CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS

NOWAK & FRAUS ENGINEERS
46777 WOODWARD AVE.
PONTIAC, MI 48342-5032
TEL. (248) 332-7931
FAX. (248) 332-8257

SEAL

STATE OF MICHIGAN — JAY W. JOHNSON — ENGINEER NO. 54725 — PROFESSIONAL ENGINEER

PROJECT
Michigan Hillel

CLIENT
Michigan Hillel C/O
Van Goor Architects
1327 Jones Drive #106
Ann Arbor, M I 48105
Phone - 734-741-9422
Contact: Michael T. Van Goor

PROJECT LOCATION
1429 Hill Street
Part of the S. ¼ of Section 28
T. 6E, R.2S
City of Ann Arbor,
Washtenaw County, Michigan

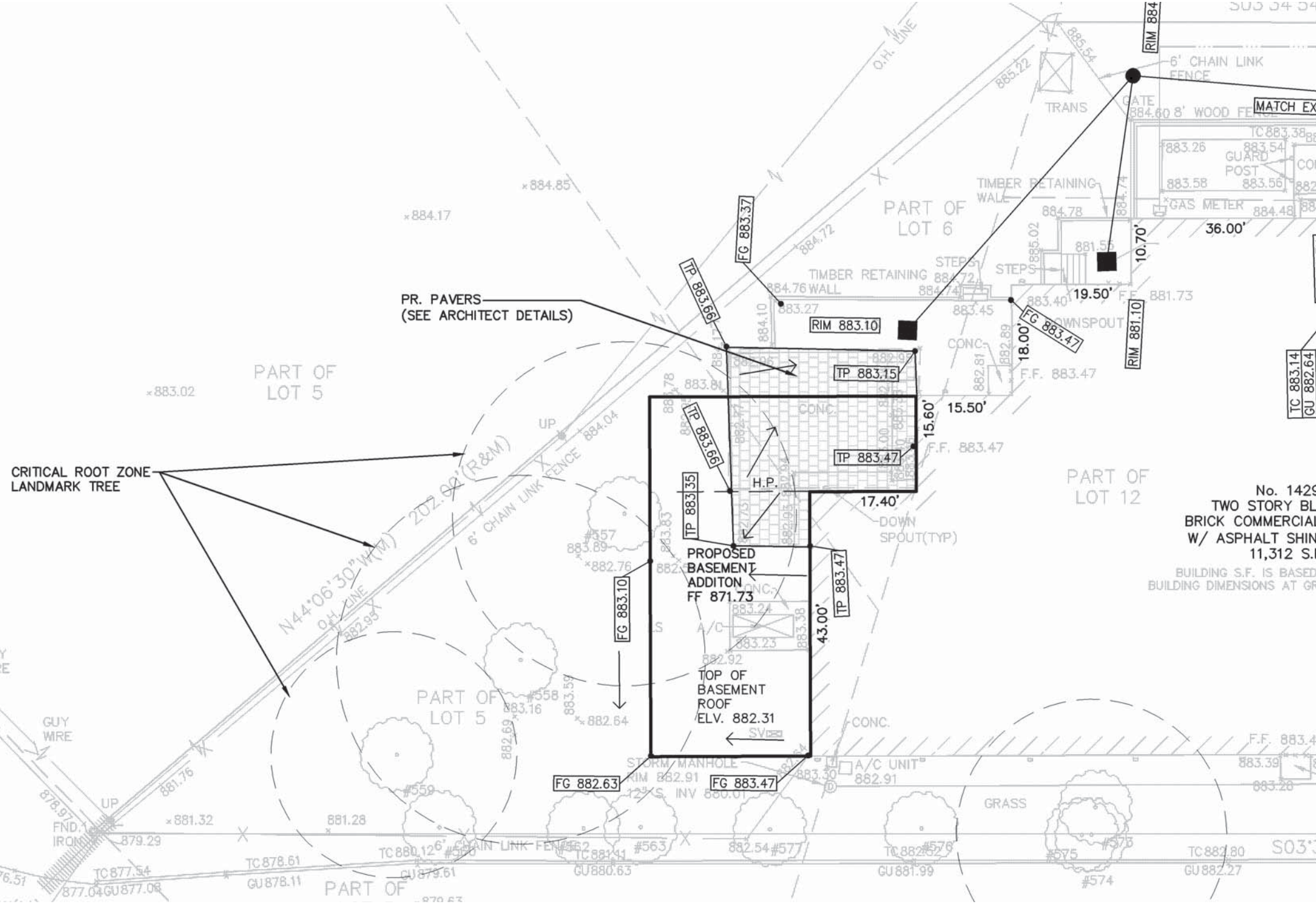
SHEET
Paving & Grading Plan

811 Know what's below Call before you dig.

REVISIONS
05–26–15 CITY OF ANN ARBOR

DRAWN BY:
J. Johnson
DESIGNED BY:
J. Johnson
APPROVED BY:
M. Peterson
DATE:
5-26-2015
SCALE: 1" = 20'
20 10 0 10 20 30

NFE JOB NO. I 363
SHEET NO. C3


PR. PAVERS
(SEE ARCHITECT DETAILS)
CRITICAL ROOT ZONE
LANDMARK TREE
PROPOSED
BASEMENT
ADDITON
FF 871.73
TOP OF
BASEMENT
ROOF
ELV. 882.31
H.P.
TP 883.66
TP 883.15
TP 883.47
TP 883.35
FG 883.37
FG 883.10
FG 882.63
FG 883.47
RIM 883.10
RIM 884
RIM 881.10
TC 883.14
GU 882.64
PART OF
LOT 5
PART OF
LOT 6
PART OF
LOT 12
TIMBER RETAINING
WALL
6' CHAIN LINK
FENCE
8' WOOD FENCE
GUARD
POST
GAS METER
TRANS
GATE
STEPS
DOWNSPOUT
CONC.
F.F. 883.47
F.F. 881.73
DOWN
SPOUT(TYP)
A/C UNIT
882.91
STORM MANHOLE
RIM 882.91
12" S. INV 880.01
GRASS
GUY
WIRE
FND.
IRON
O.H. LINE
N44°06'30"W(M) 202.69'(R&M)
36.00'
10.70'
19.50'
18.00'
15.60'
15.50'
17.40'
43.00'
No. 1429
TWO STORY BL
BRICK COMMERCIAL
W/ ASPHALT SHIN
11,312 S.
BUILDING S.F. IS BASED
BUILDING DIMENSIONS AT GR