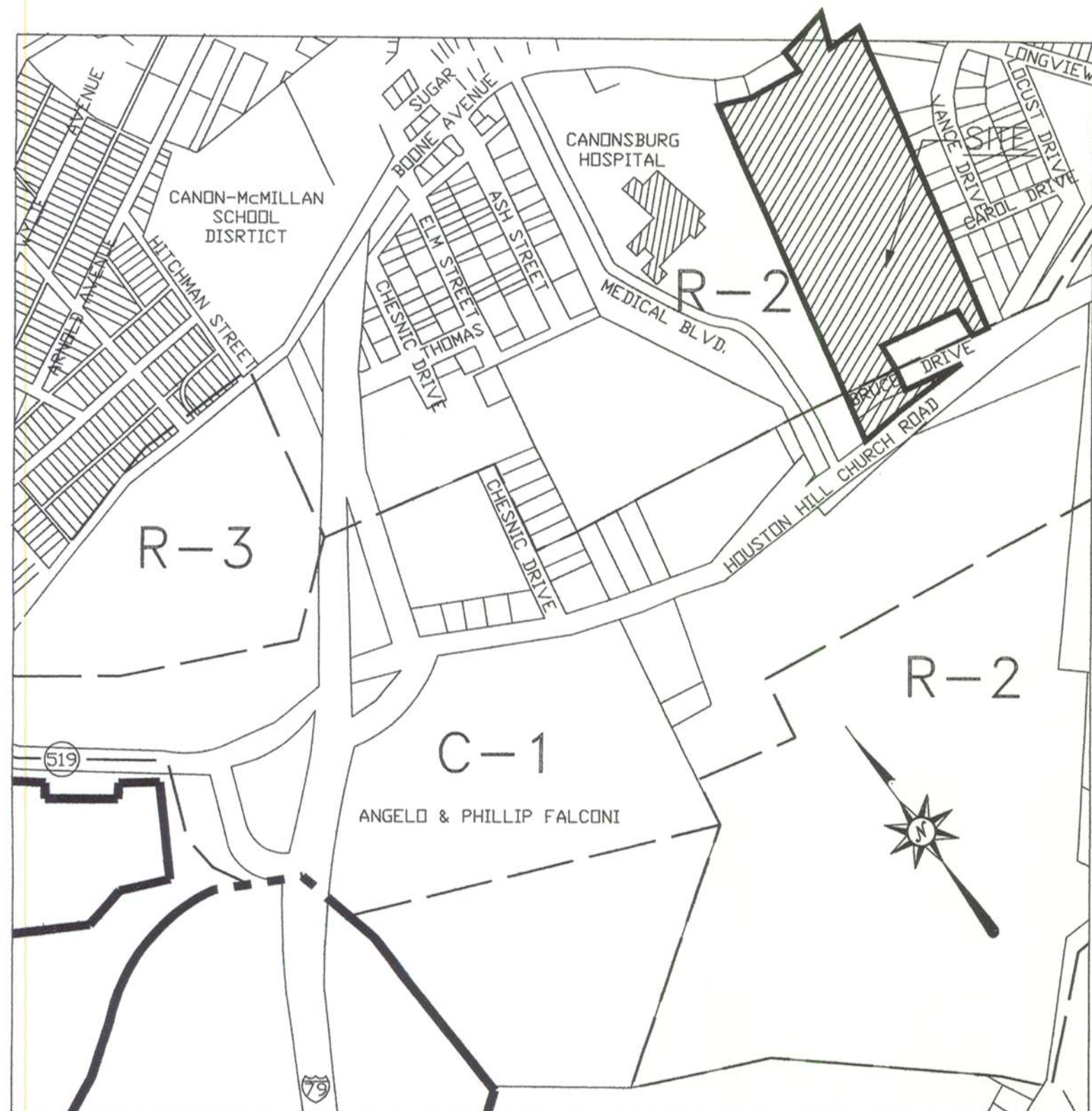
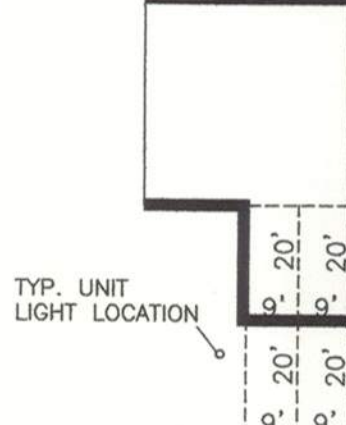




SCALE: 1" = 50'

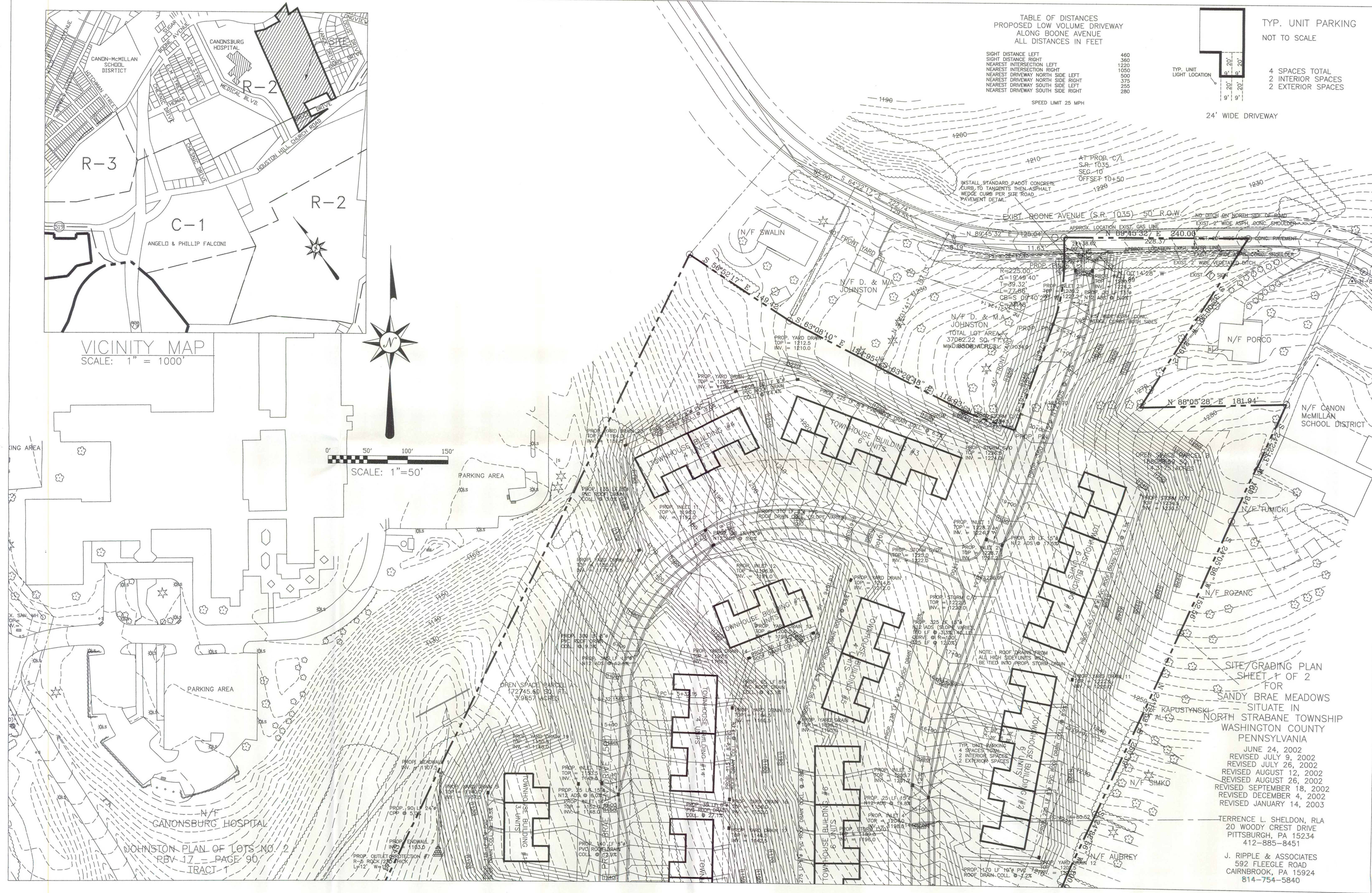
TABLE OF DISTANCES
PROPOSED LOW VOLUME DRIVEWAY
ALONG BOONE AVENUE
ALL DISTANCES IN FEET

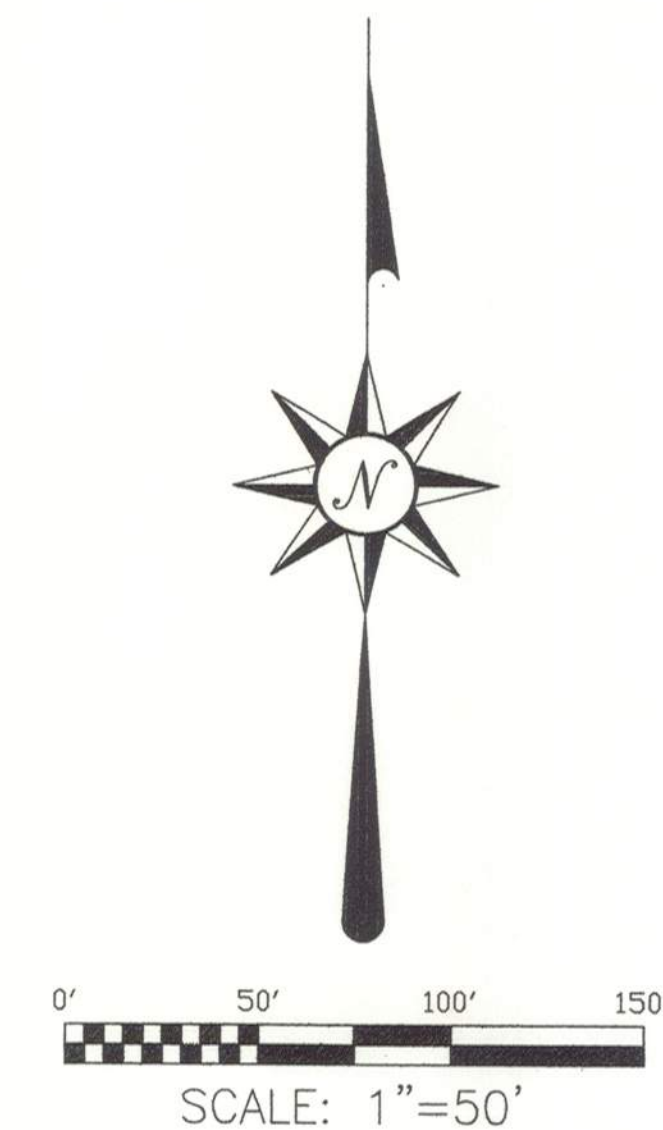
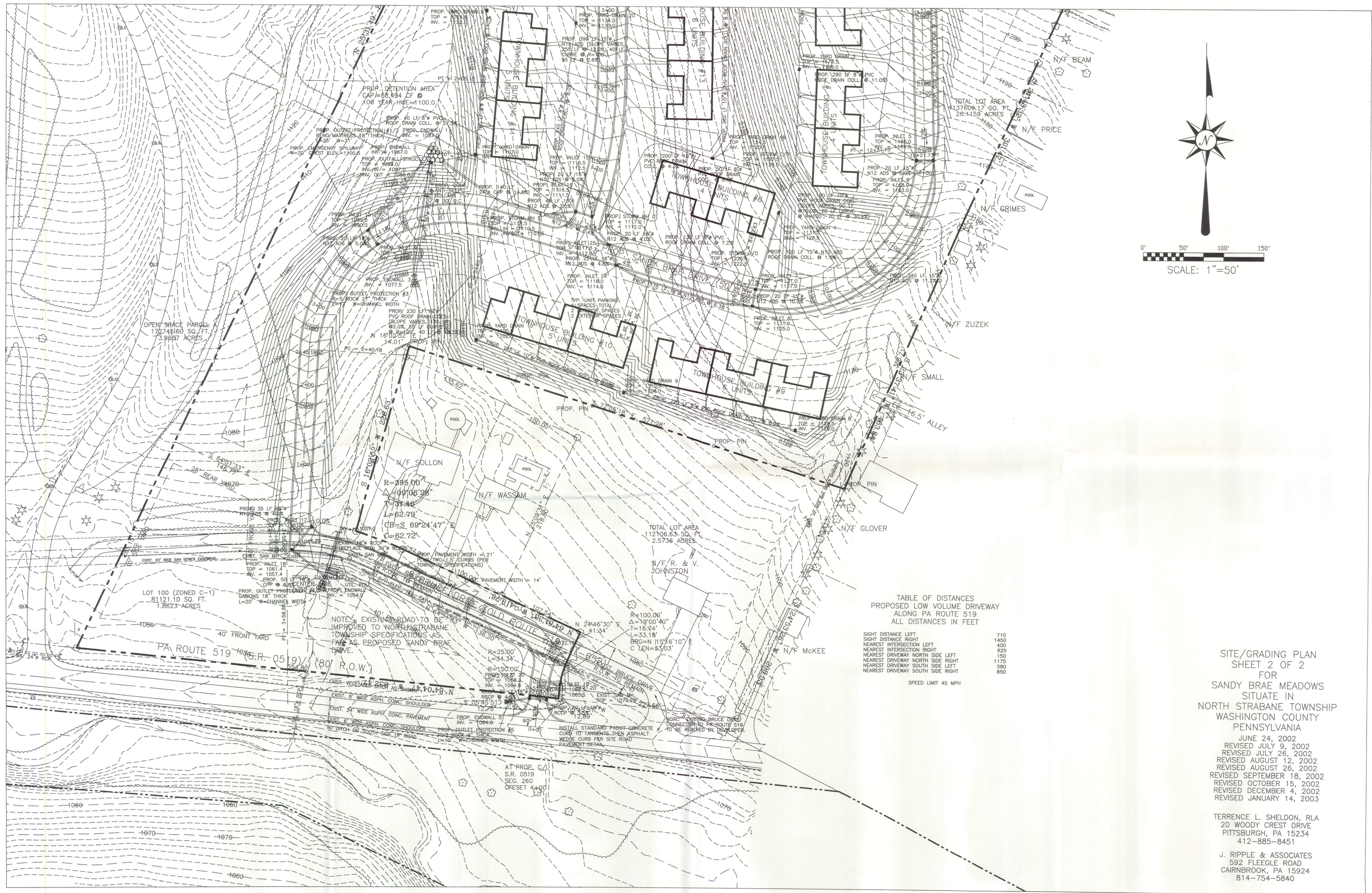
SIGHT DISTANCE LEFT	460
SIGHT DISTANCE RIGHT	360
NEAREST INTERSECTION LEFT	1220
NEAREST INTERSECTION RIGHT	1050
NEAREST DRIVEWAY NORTH SIDE LEFT	500
NEAREST DRIVEWAY NORTH SIDE RIGHT	375
NEAREST DRIVEWAY SOUTH SIDE LEFT	255
NEAREST DRIVEWAY SOUTH SIDE RIGHT	280



4 SPACES TOTAL
2 INTERIOR SPACES
2 EXTERIOR SPACES

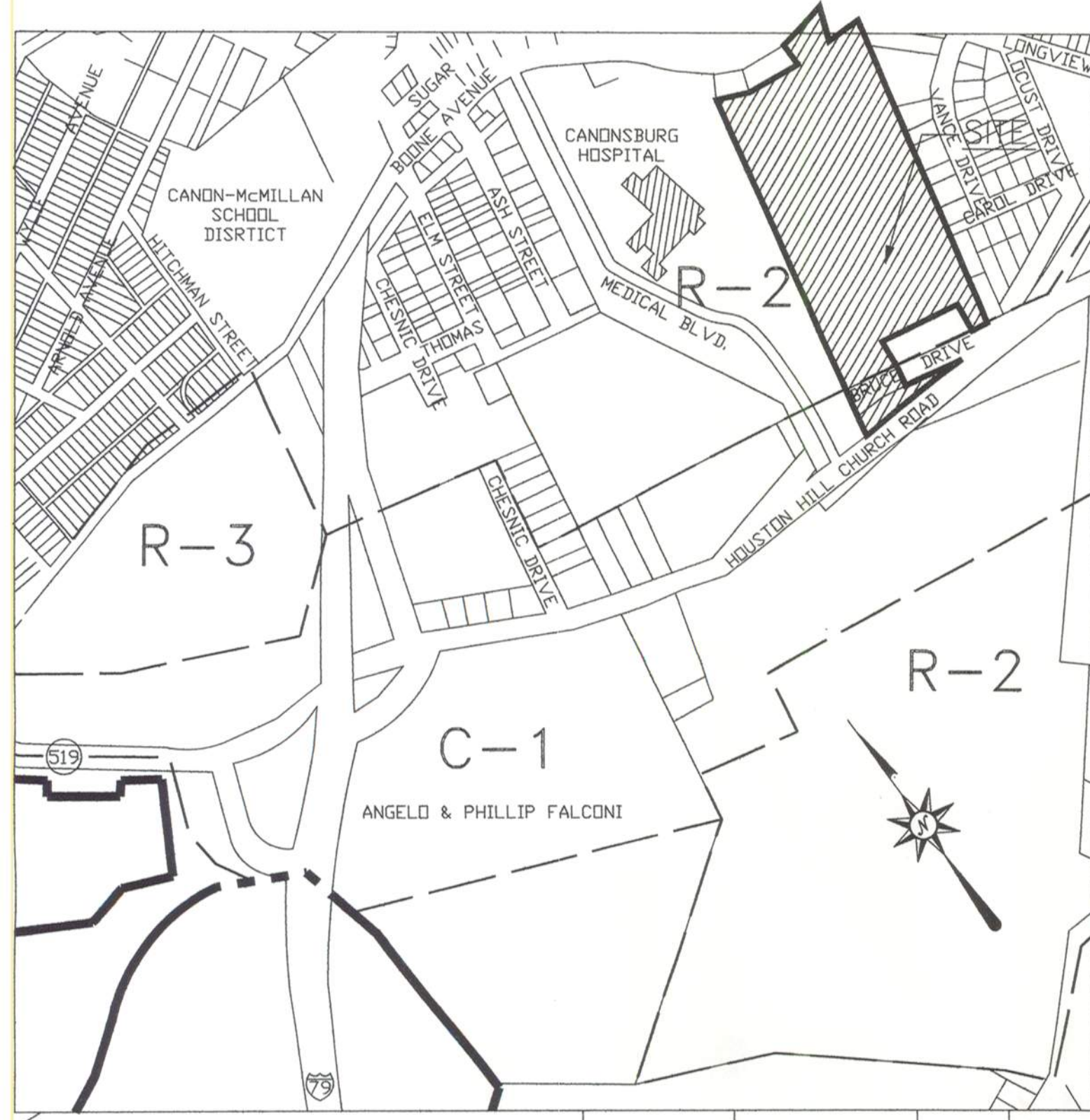
24' WIDE DRIVEWAY





SITE/GRADING PLAN
SHEET 2 OF 2
FOR
SANDY BRAE MEADOWS
SITUATE IN
NORTH STRABANE TOWNSHIP
WASHINGTON COUNTY
PENNSYLVANIA
JUNE 24, 2002
REVISED JULY 9, 2002
REVISED JULY 26, 2002
REVISED AUGUST 12, 2002
REVISED AUGUST 26, 2002
REVISED SEPTEMBER 18, 2002
REVISED OCTOBER 15, 2002
REVISED DECEMBER 4, 2002
REVISED JANUARY 14, 2003

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412-885-8451
J. RIPPLE & ASSOCIATES
592 FLEEGLER ROAD
CAIRNBROOK, PA 15924
814-754-5840



VICINITY MAP
SCALE: 1" = 1000'

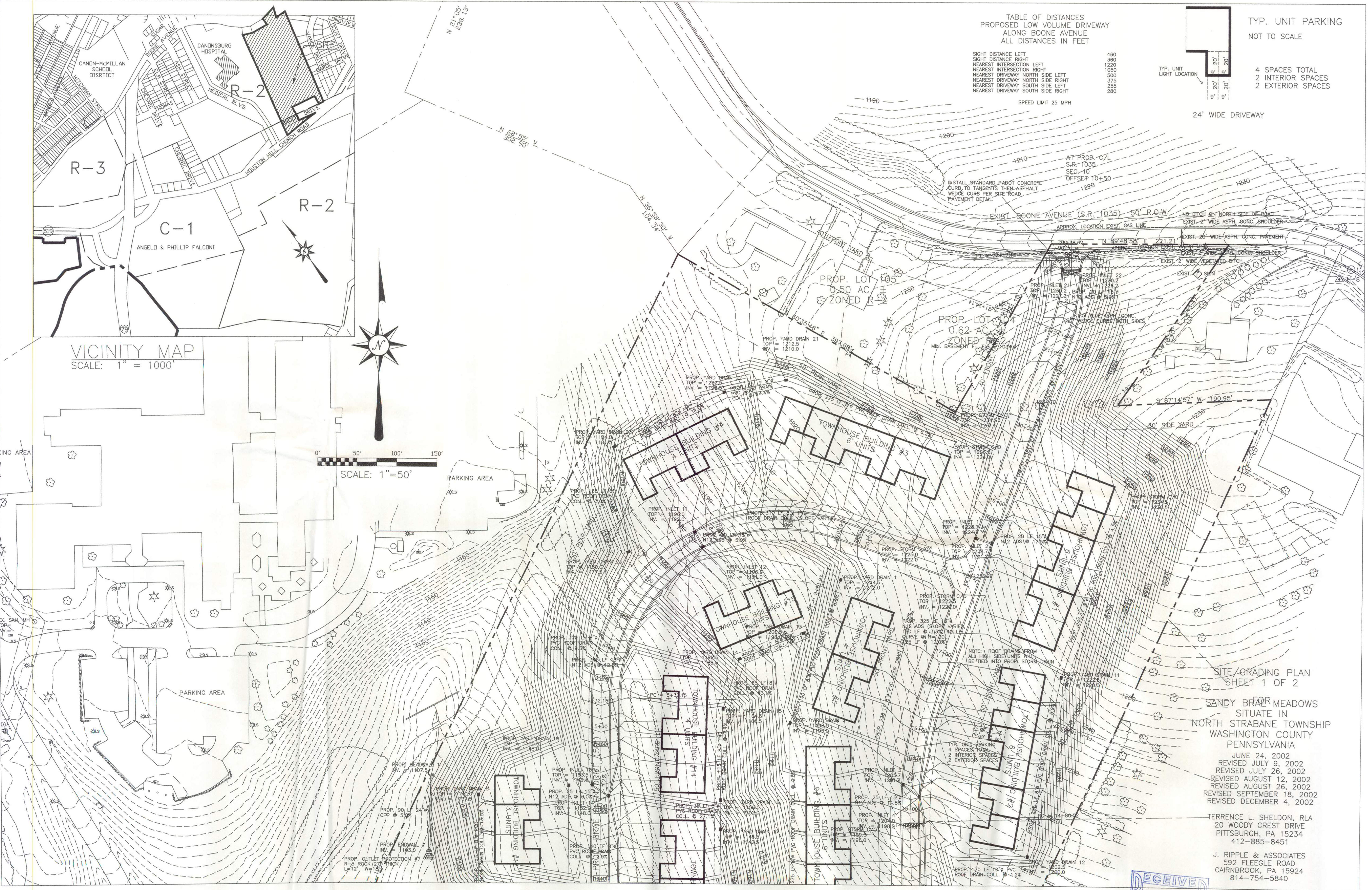
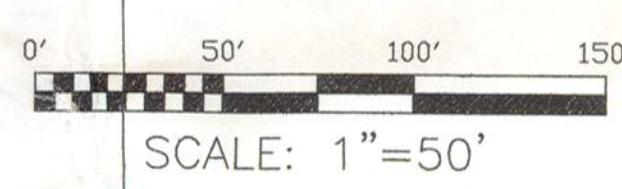
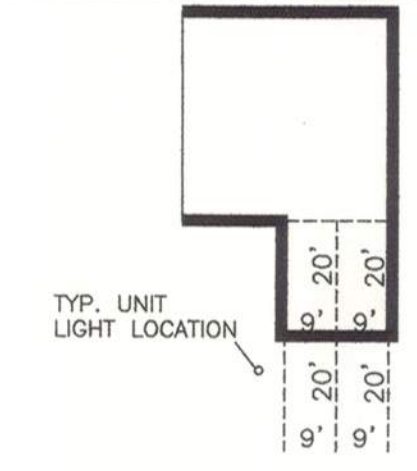


TABLE OF DISTANCES
PROPOSED LOW VOLUME DRIVEWAY
ALONG BOONE AVENUE
ALL DISTANCES IN FEET

SIGHT DISTANCE LEFT	460
SIGHT DISTANCE RIGHT	360
NEAREST INTERSECTION LEFT	1220
NEAREST INTERSECTION RIGHT	1050
NEAREST DRIVEWAY NORTH SIDE LEFT	500
NEAREST DRIVEWAY NORTH SIDE RIGHT	375
NEAREST DRIVEWAY SOUTH SIDE LEFT	255
NEAREST DRIVEWAY SOUTH SIDE RIGHT	280

SPEED LIMIT 25 MPH



TYP. UNIT PARKING
NOT TO SCALE

24' WIDE DRIVEWAY

SITE/GRADING PLAN
SHEET 1 OF 2

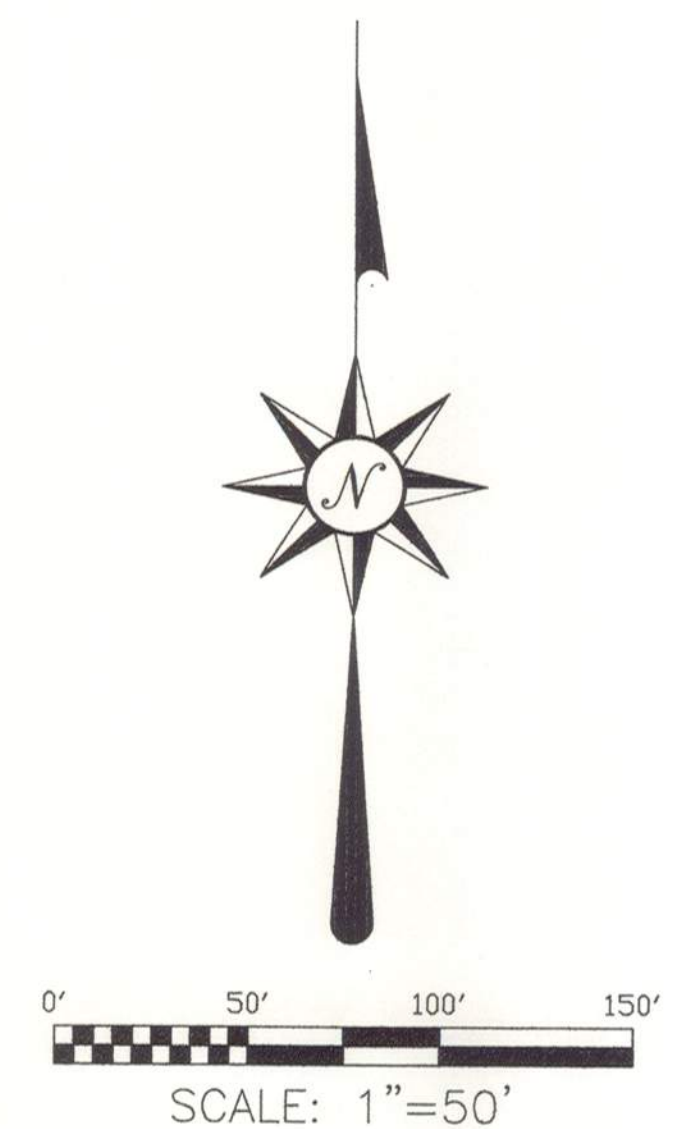
SANDY BRAE MEADOWS
SITUATE IN
NORTH STRABANE TOWNSHIP
WASHINGTON COUNTY
PENNSYLVANIA

JUNE 24, 2002
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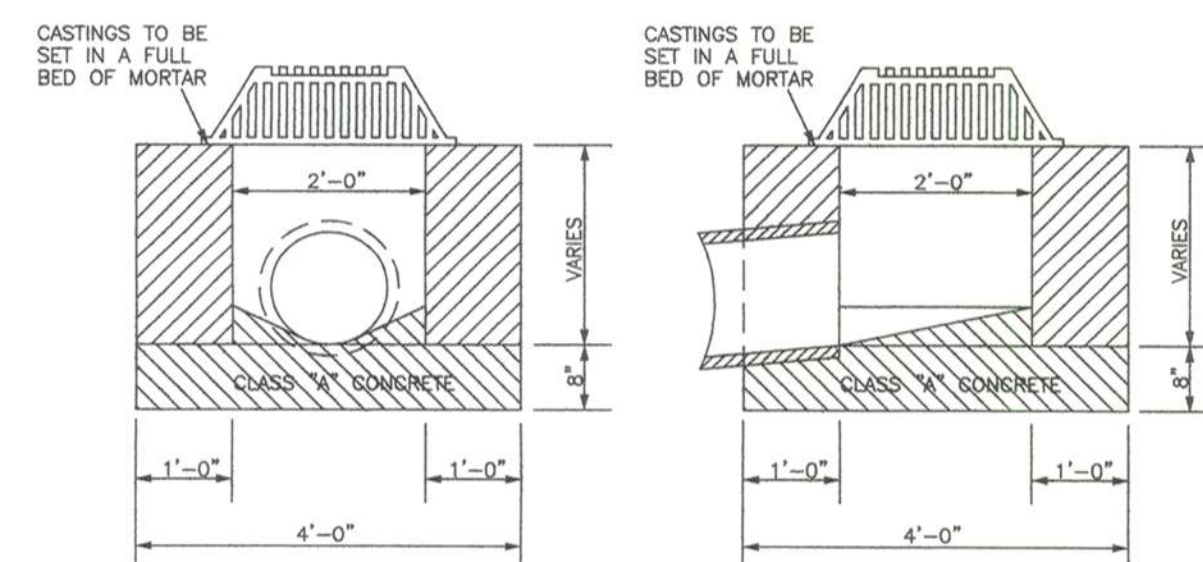


SITE/GRADING PLAN
SHEET 2 OF 2
FOR
SANDY BRAE MEADOWS
SITUATE IN
NORTH STRABANE TOWNSHIP
WASHINGTON COUNTY
PENNSYLVANIA

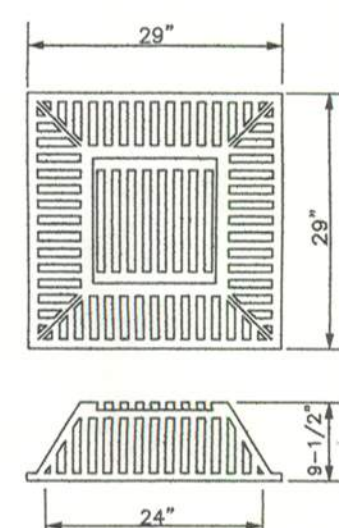
JUNE 24, 2002
REVISED JULY 9, 2002
REVISED JULY 26, 2002
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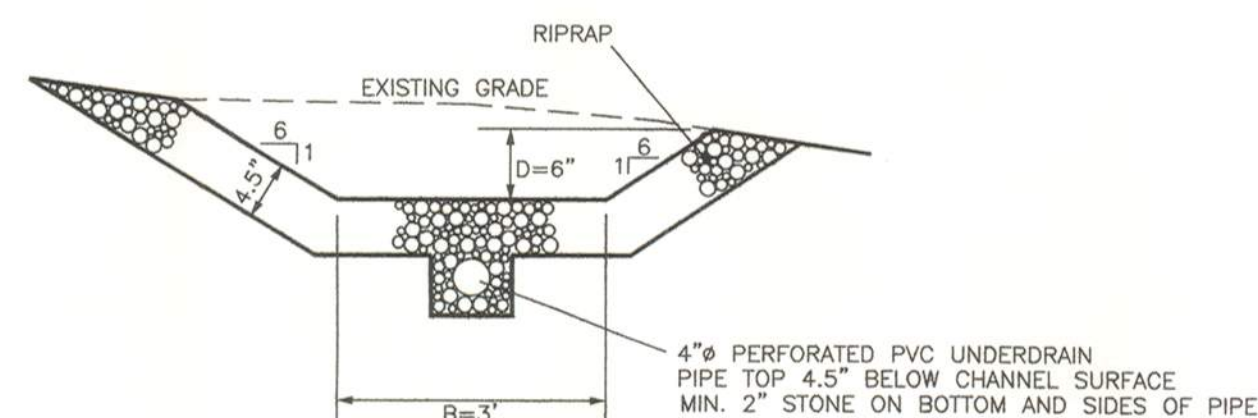
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- NOTES:
- 1) CASTING ALLEGHENY FOUNDRY FRAME NO. 320, ALLEGHENY FOUNDRY GRATING NO. 319 OR APPROVED EQUAL.
 - 2) STORM INLETS ARE TO BE CONSTRUCTED WITH SOLID CONCRETE BRICK OR BLOCK. ALL MORTAR JOINTS ARE TO BE STRUCK (INSIDE ONLY).
 - 3) PRECAST CONCRETE STORM INLETS WILL BE PERMITTED IF INSIDE DIMENSIONS ARE THE SAME AS ABOVE.

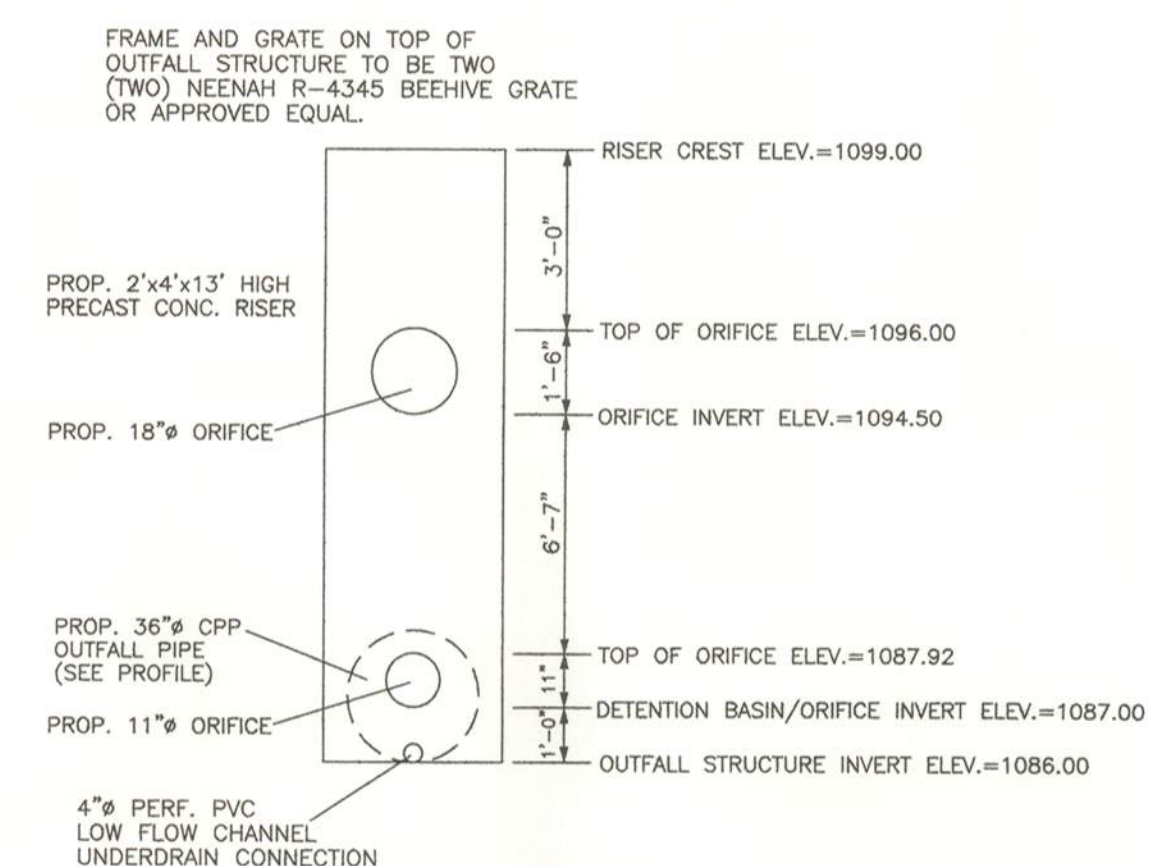


YARD DRAIN
NOT TO SCALE



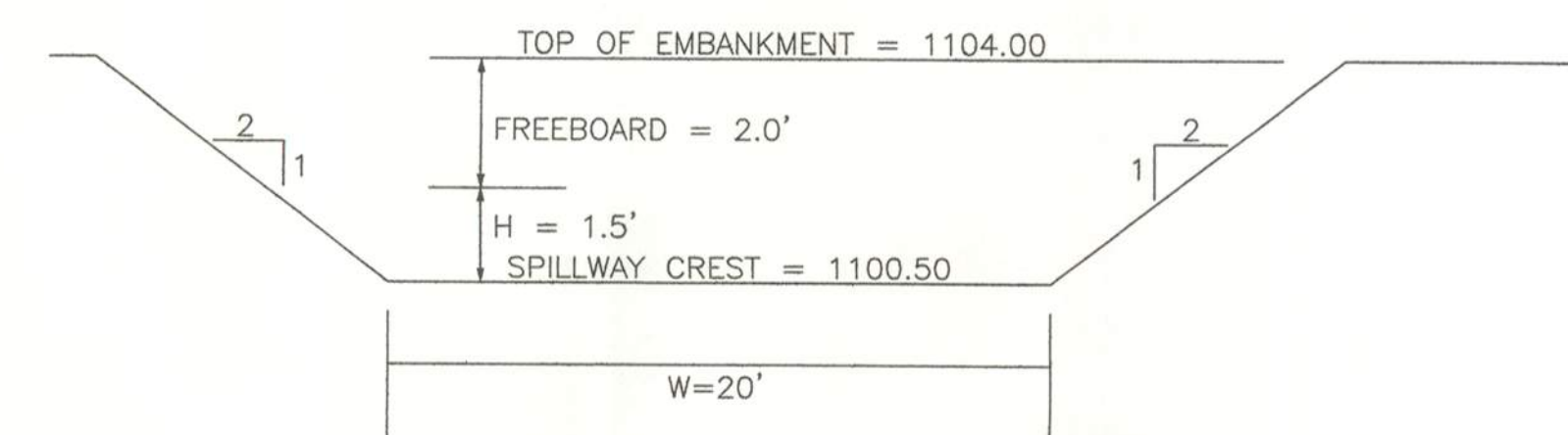
s=0.01
LINING: R-3 ROCK 4.5" THICK

LOW FLOW CHANNEL SECTION
NOT TO SCALE



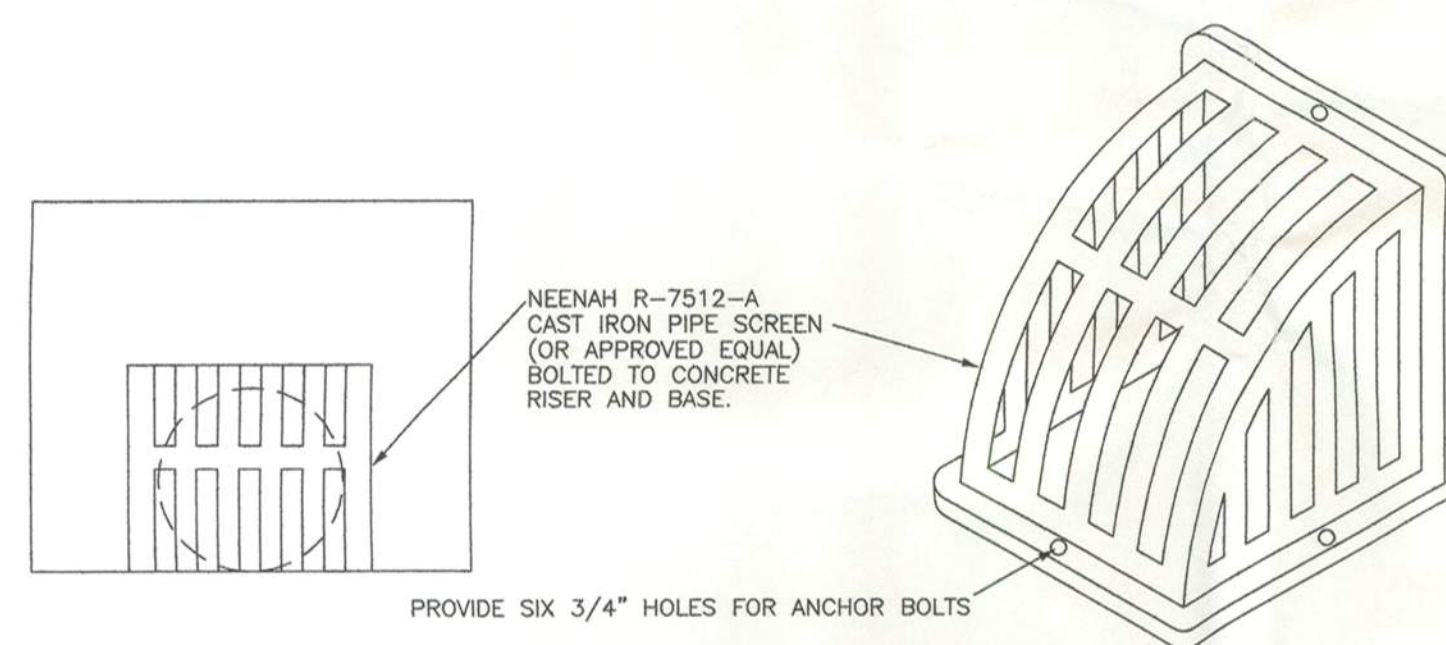
DETENTION BASIN OUTFALL STRUCTURE
NOT TO SCALE

REQUIRED CAPACITY $Q_{100} = 104.90$ CFS
PROVIDED CAPACITY $Q = CLH^{3/2}$
 $= 3.1(20)(1.5)^{3/2}$
 $= 113.90$ CFS



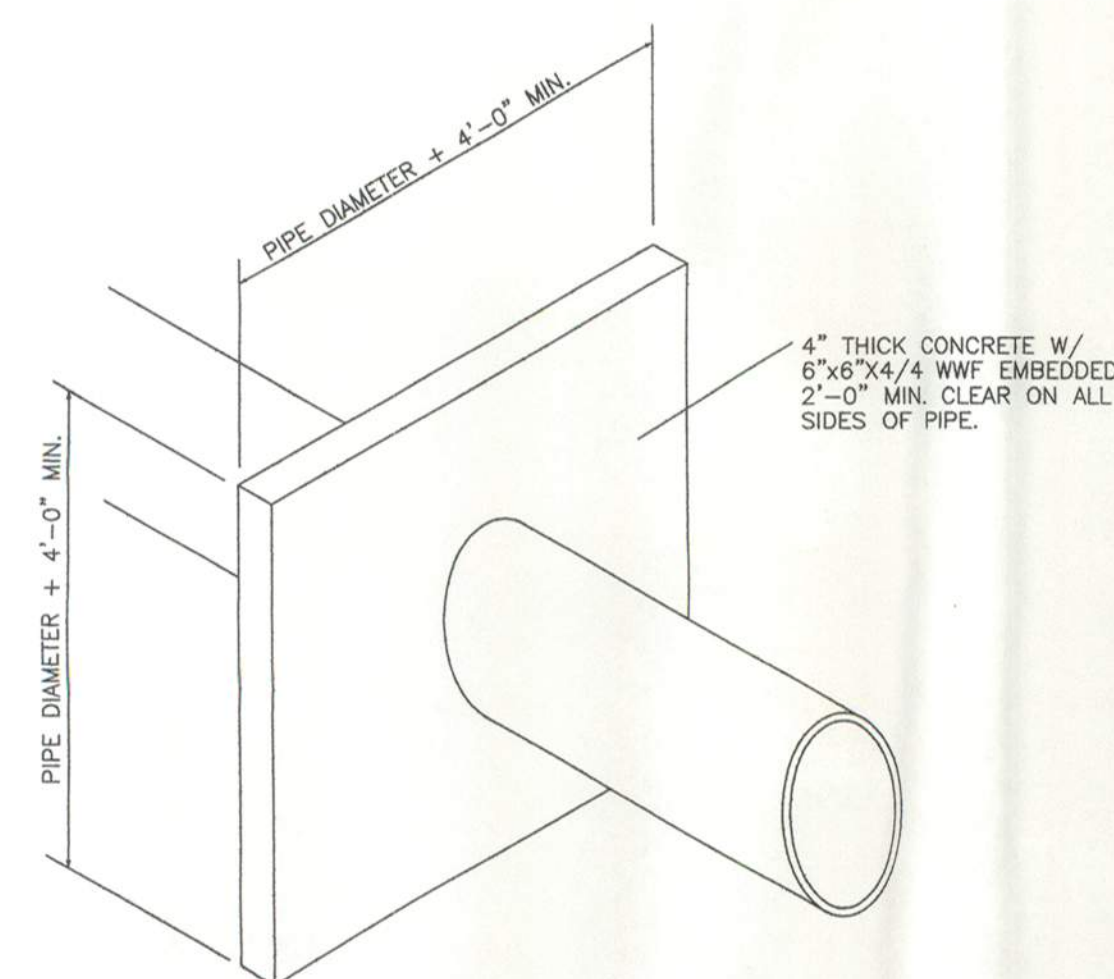
NOTE: SPILLWAY WILL BE GRASS LINED SINCE IT IS LOCATED ENTIRELY IN CUT.

SECTION THROUGH EMERGENCY SPILLWAY
NOT TO SCALE



NOTE: TRASH RACK DIMENSIONS MUST BE SUFFICIENT TO COVER PROPOSED 24" OUTLET PIPE. OPENINGS IN SCREEN TO BE 1" WIDE FOR MAXIMUM FREE DRAINAGE AREA AND TO PREVENT CLOGGING.

TRASH RACK DETAIL
NOT TO SCALE



CONCRETE ANTI-SEEP COLLAR
NOT TO SCALE

STORM WATER MANAGEMENT
DETAILS
SANDY BRAE MEADOWS
NORTH STRABANE TOWNSHIP
WASHINGTON COUNTY
PENNSYLVANIA

JUNE 25, 2002
REVISED JULY 9, 2002
REVISED JULY 26, 2002
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