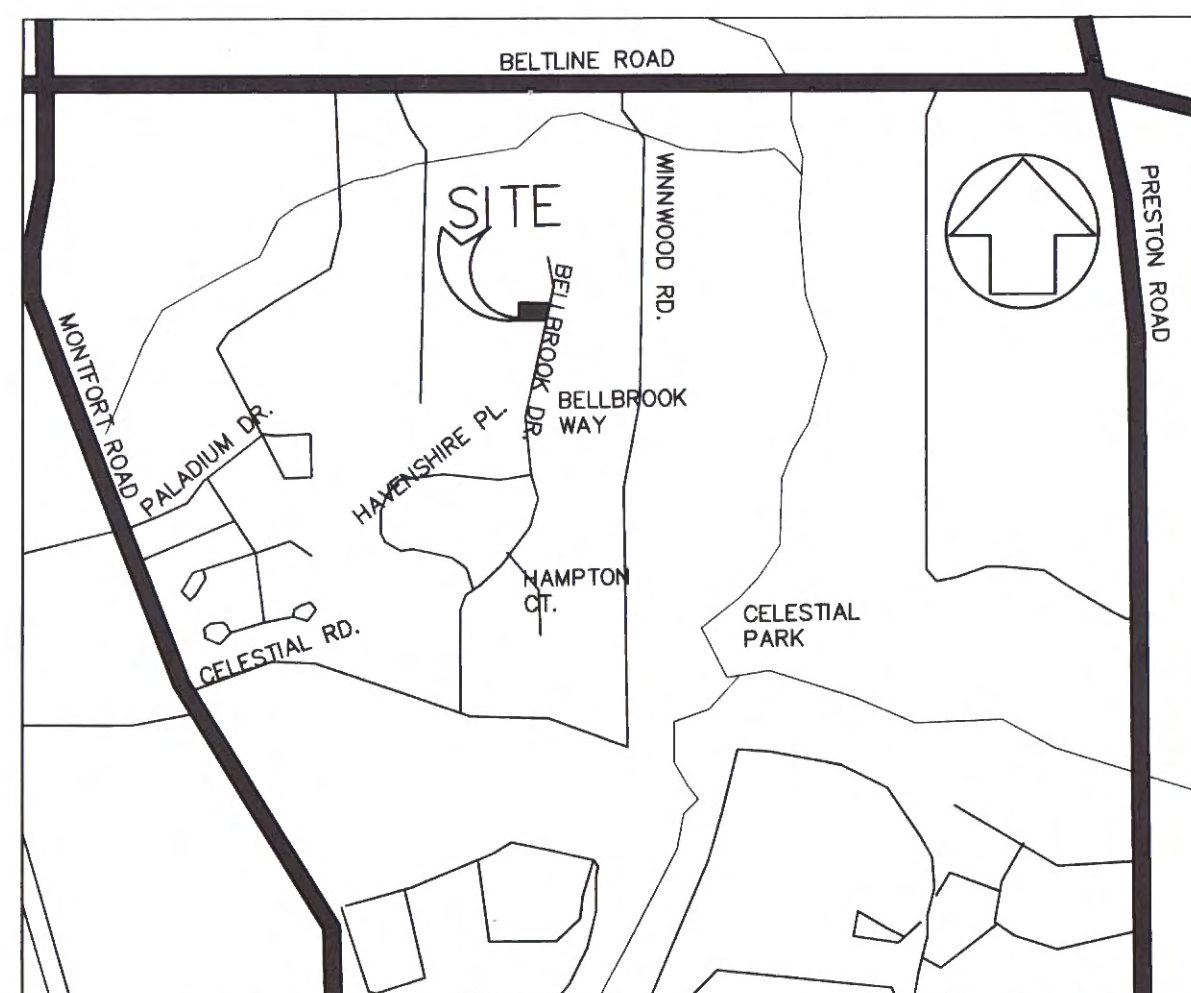


Rosenfield Residence

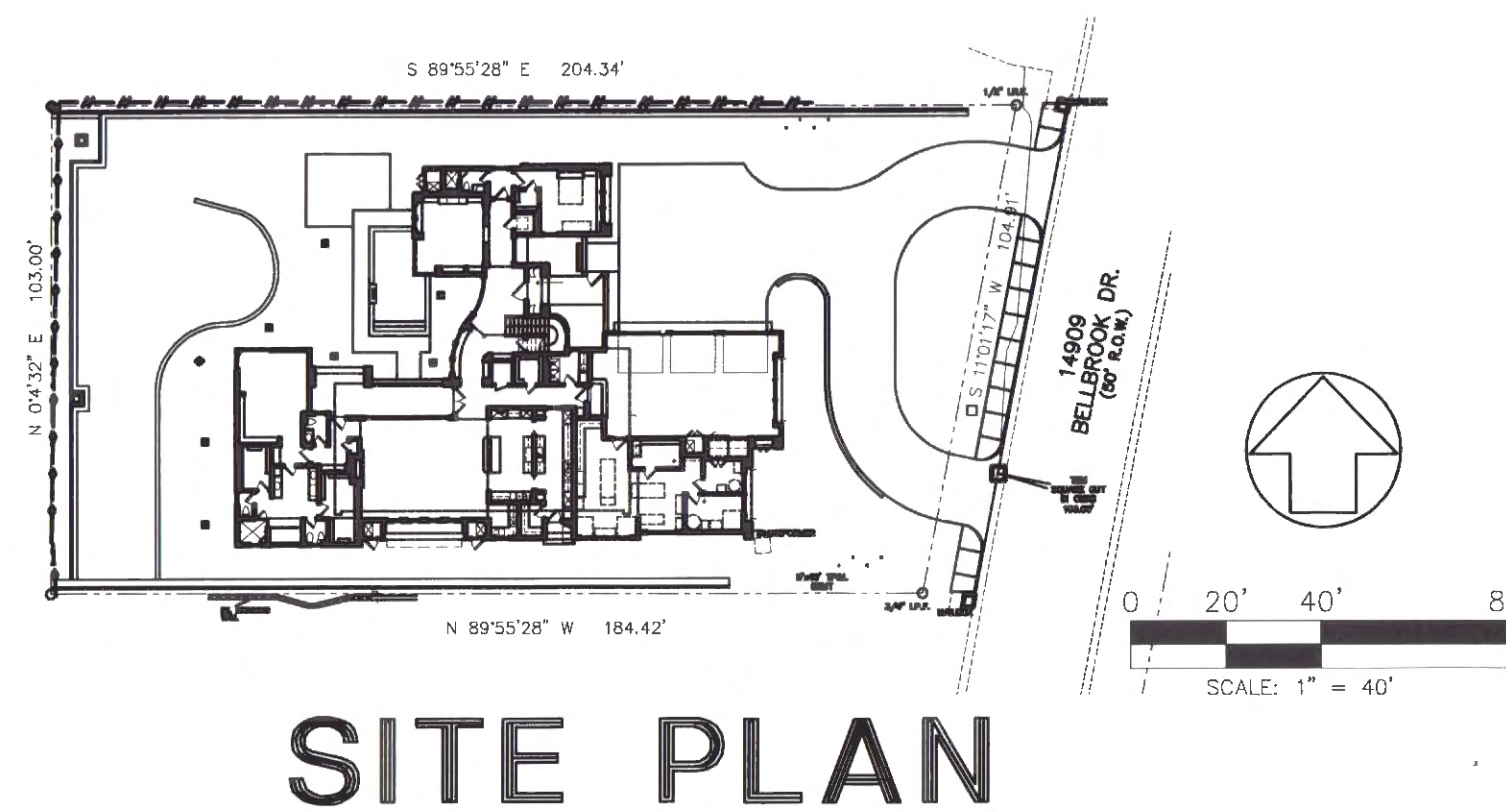
Lot 5, Block 3
Bellbrook Estates
Addison, Texas

TOWN OF ADDISON
PW#2010-10

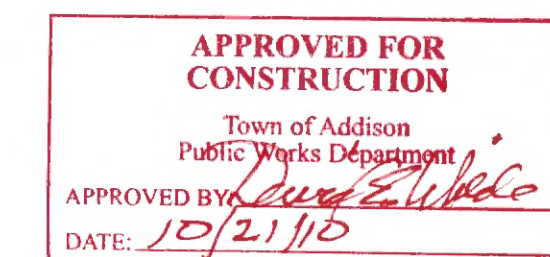
T-1	COVER SHEET
CE-1	GRADING PLAN
CE-2	DRAINAGE SYSTEM PLAN
CE-3	DIMENSION CONTROL PLAN
CE-4	WATER & STORM SEWER PLAN
DA-1	DRAINAGE AREA MAP
EC-1	EROSION CONTROL PLAN



VICINITY MAP
N.T.S.



SITE PLAN



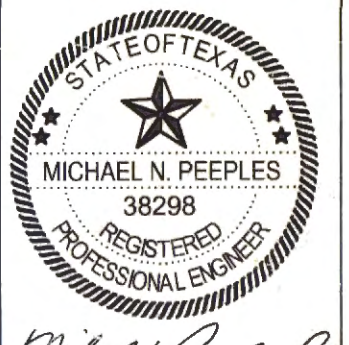
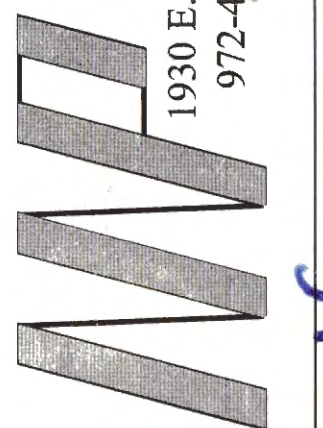
All responsibility for the adequacy of these plans remains with the Engineer who prepared them. In approving these plans, the Town of Addison makes no representation of adequacy of the work of the Design Engineer.

PW#2010-10

DATE PLOTTED: 10/11/10

MICHAEL PEEPLES
Engineers and Planners

1930 E. ROSEMEADE #205 - CARROLLTON, TX 75007
972-416-1968 (TEL) 214-731-9949 (FAX)
ENGINEERING FIRM #3754



Michael N. Peeples, P.E.

10/11/10

Lot 5, Block 3, Bellbrook Estates, Addison, Texas
David & Louise Rosenfield - Owners

SHEET
T-1
OF

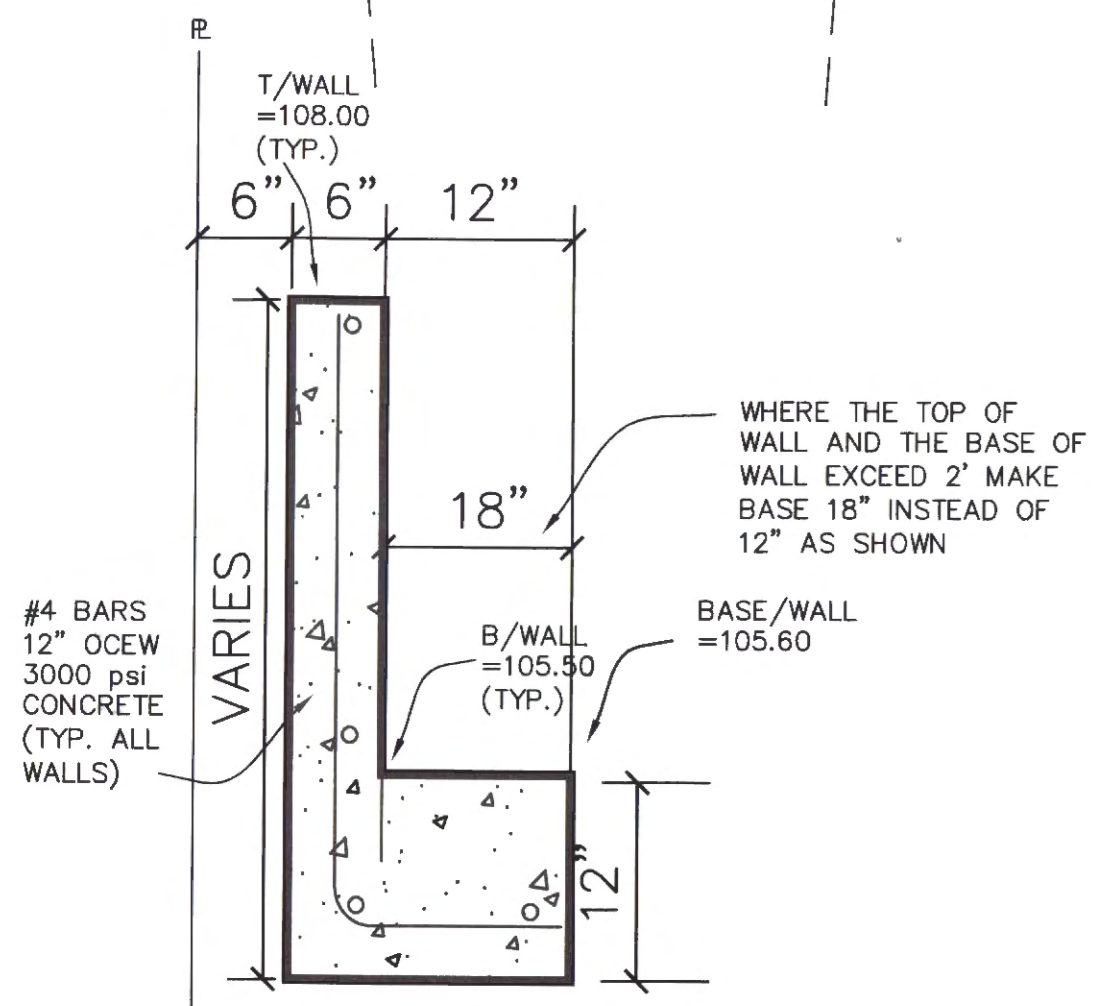
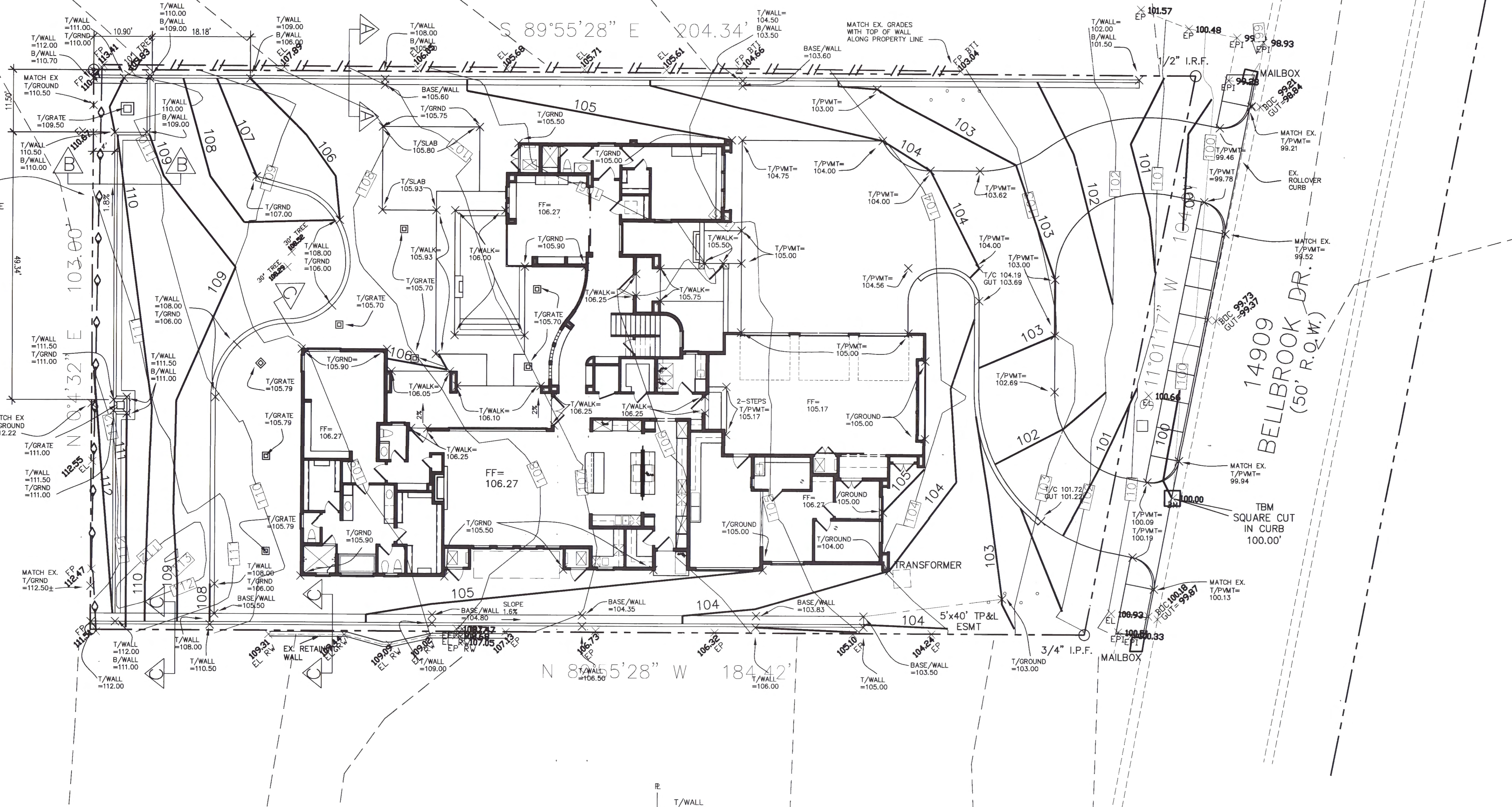
PW#2010-10

14909 Bellbrook

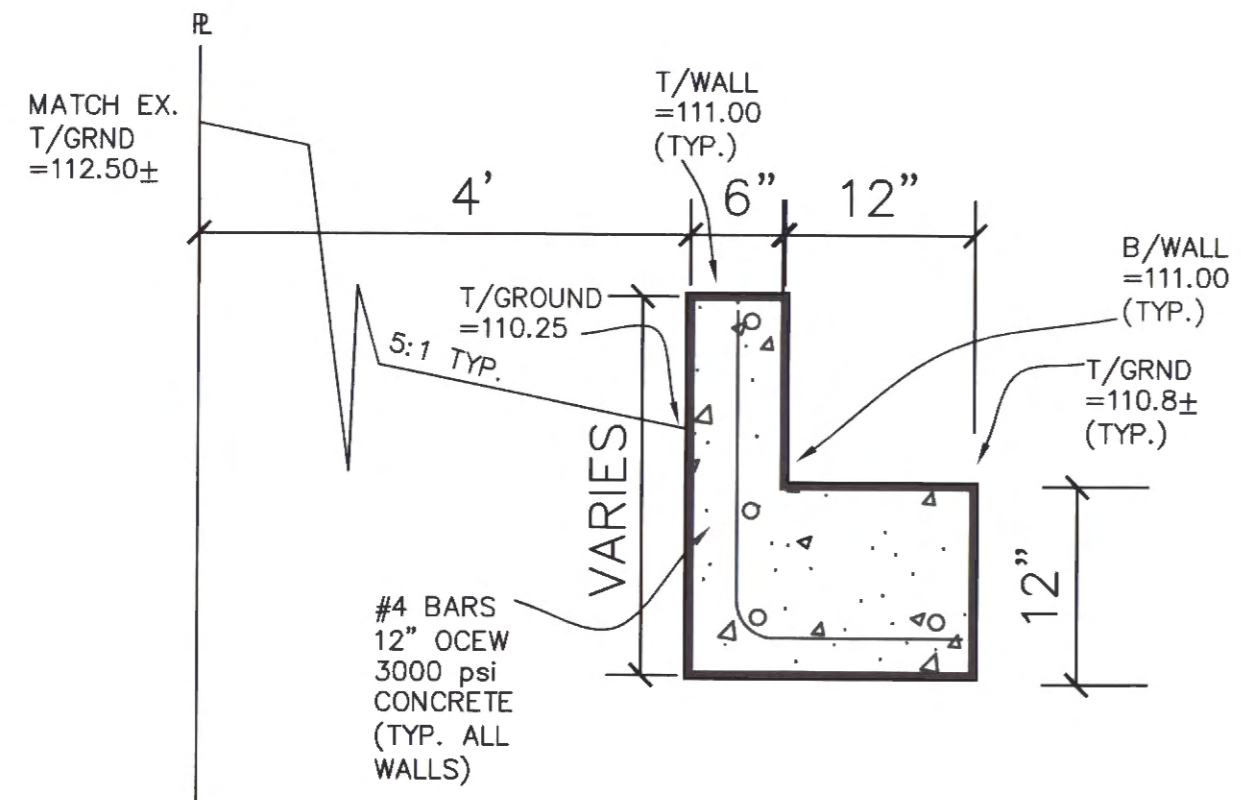
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14909 BELLBROOK

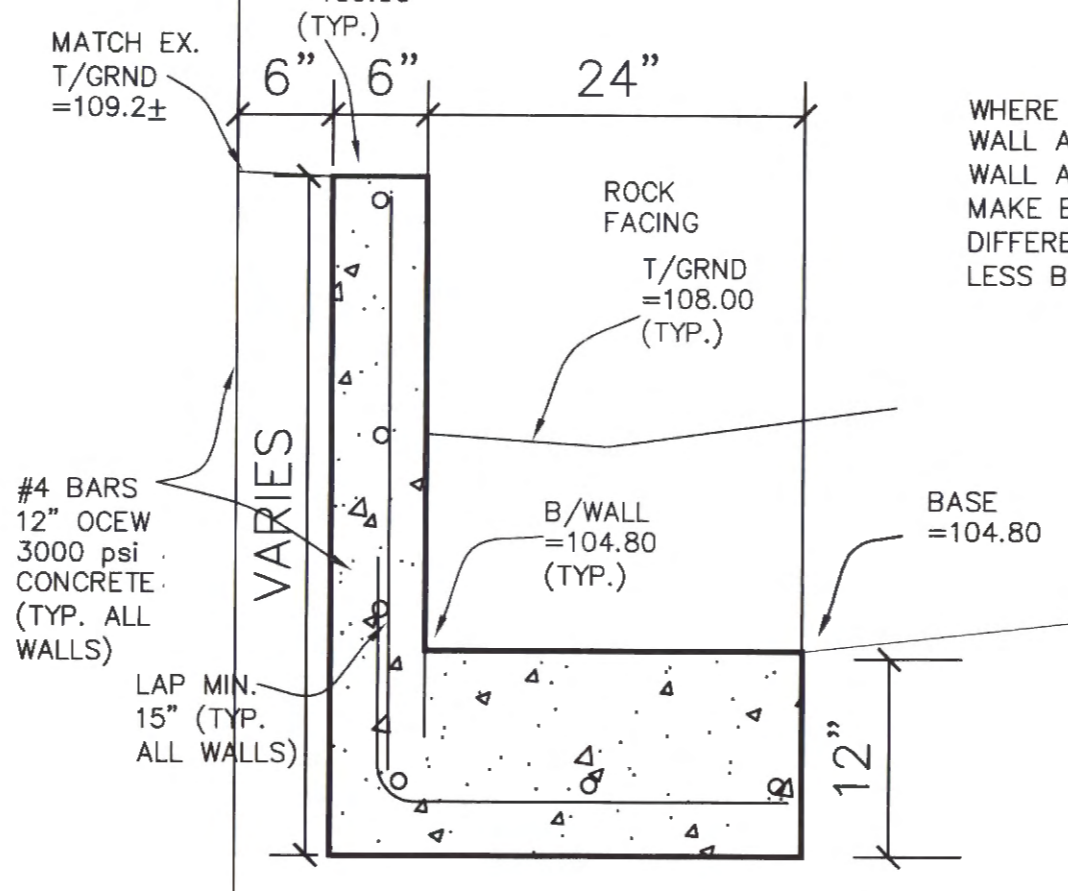
CONTRACTOR:
DO NOT DIRECT ANY
STORM WATER TO THE
NORTH OR SOUTH.



SECTION A-A
RETAINING WALL
WITH FLUME
N.T.S.



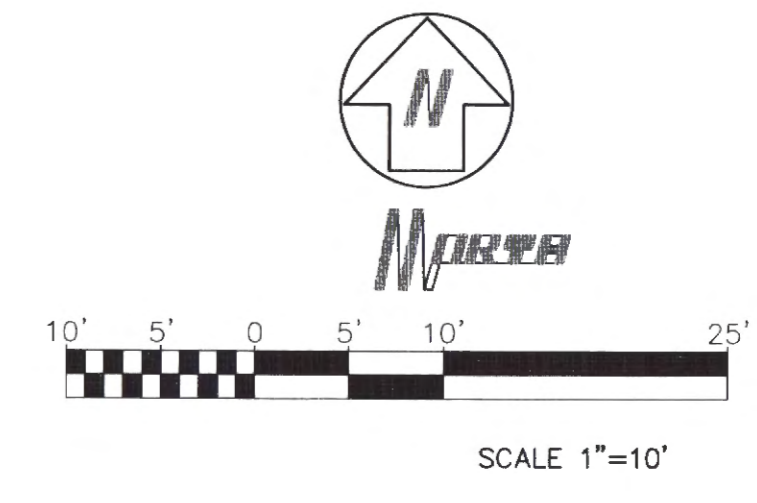
SECTION B-B
RETAINING WALL
N.T.S.



SECTION C-C
RETAINING WALL
N.T.S.

WHERE THE TOP OF
WALL AND THE BASE OF
WALL ARE LESS THAN 2'
MAKE BASE 18\"/>

WEEP HOLES:
INSTALL WEEP HOLE
10' OC AT THE BASE
OF ALL WLLS



**GRADING
PLAN**

Lot 5, Block 3, Bellbrook Estates, Addison, Texas
David & Louise Rosenfield - Owners

SHEET
CE-1
OF

PW#2010-10

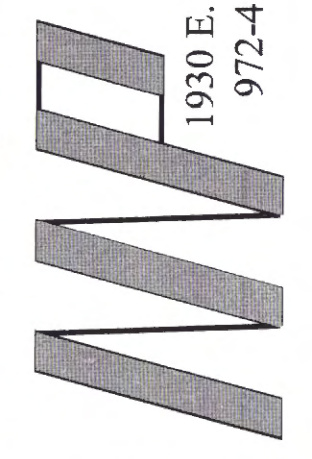


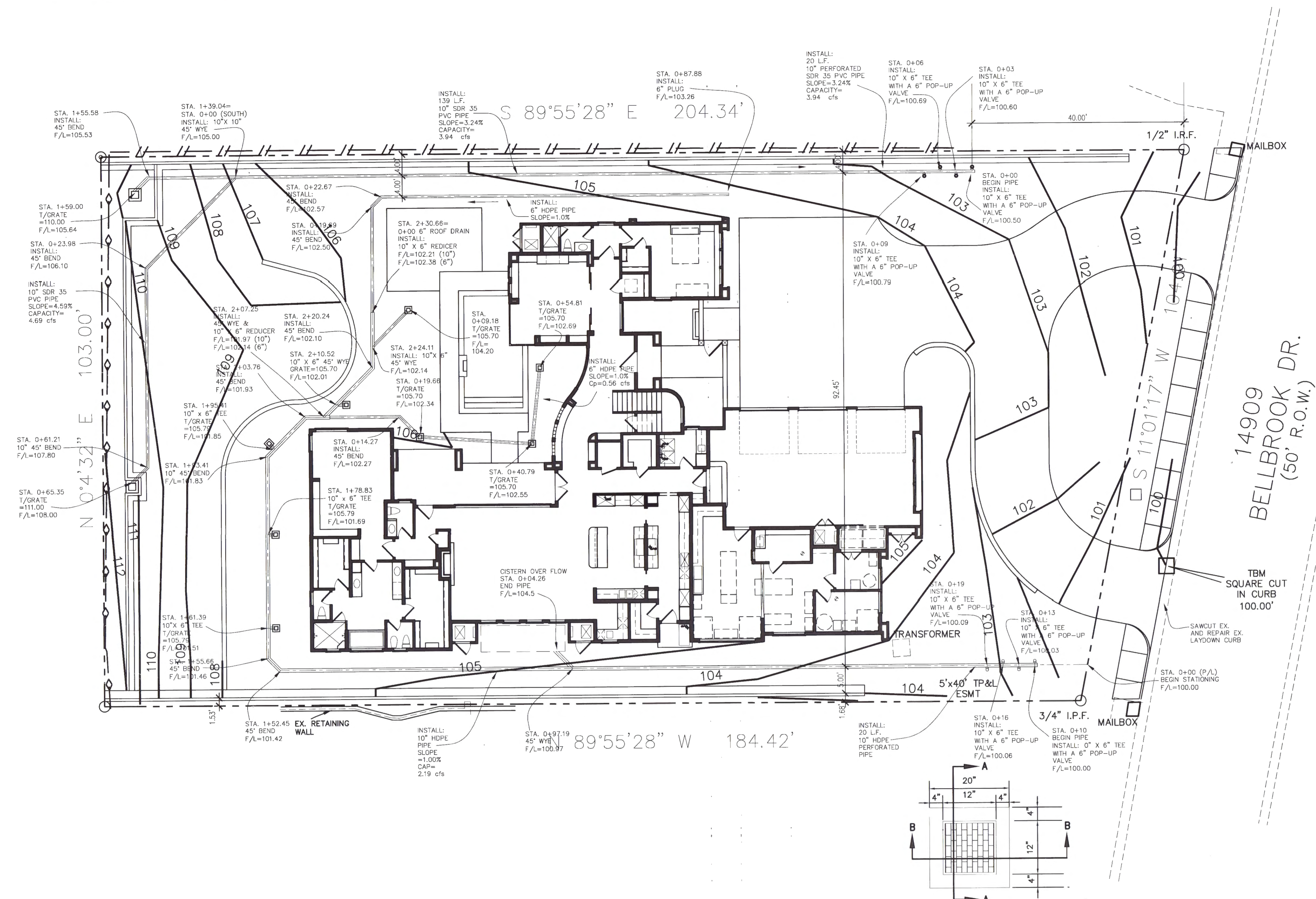
Michael N. Peeples, P.E.

10/11/10

MICHAEL PEEPLES
Engineers and Planners

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ENGINEERING FIRM #3754





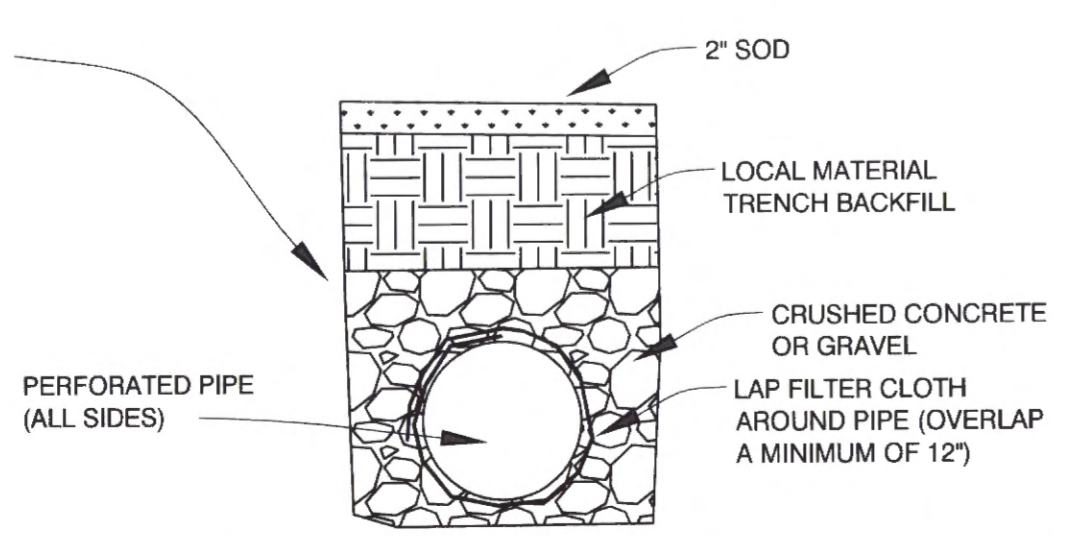
NOTE TO CONTRACTOR:
 POP-UP VALVES TO BE SET WITH THE TOP OF GROUND. SUBMIT SPECIFICATIONS OF POP-UP VALVES TO BE USED. TO THE ENGINEER FOR APPROVAL.

NOTE TO CONTRACTOR:
 SUBMIT SPECIFICATIONS OF THE INLETS TO BE USED. TO THE ENGINEER FOR APPROVAL.

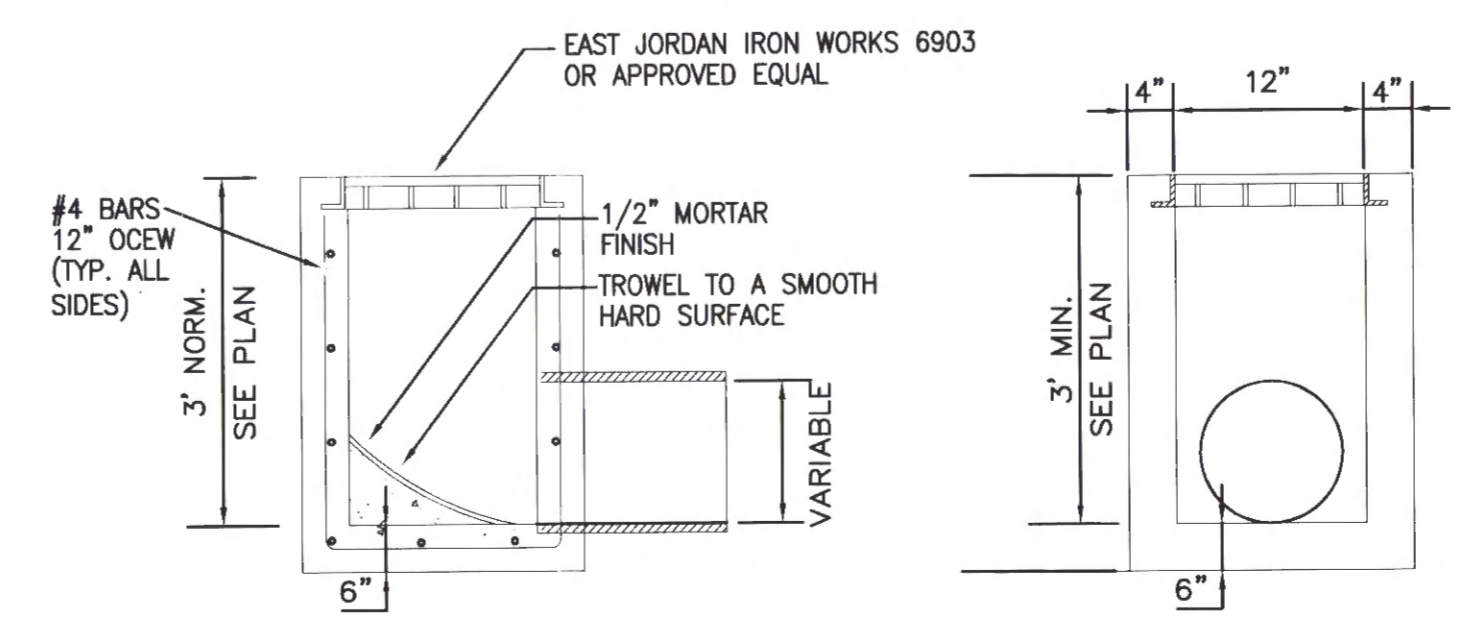
NOTE TO CONTRACTOR:

PERFORATED PIPE TRENCH TO CONTAIN A MIN. OF 6" OF CRUSHED CONCRETE OR GAVEL TO SURROUND THE PIPE. PIPE TO BE SURROUNDED WITH A FILTER CLOTH TO PREVENT CLOGGING OF THE PERFORATIONS.

ENGINEER TO APPROVE BOTH PERFORATED PIPE AND FILTER CLOTH PRIOR TO INSTALLATION.



PERFORATED PIPE TRENCH DETAIL

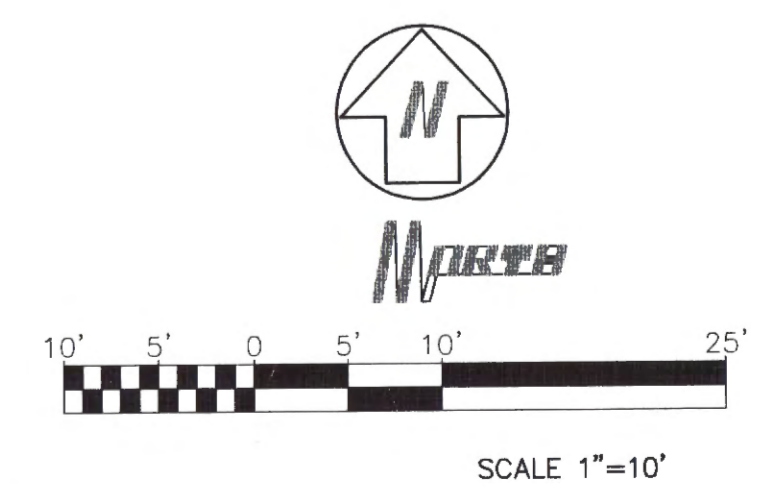


ONE GRATE INLET DETAILS

WEST PROEPRTY LINE GRATE INLET CAPACITY CALCULATIONS:

USE SPECIFIED JORDON IRON WORKS INLET INLET EACH INLET HAS APPROXIMATELY AN AREA OF 1/2 S.F. OR 4 SF/INLET

USING THE ORIFICE FORMULA
 ASSUME 6" DEPTH (0.50') OVER GRATE
 $Q = CAV \sqrt{2gh}$
 $Q = (0.7)(0.5) \sqrt{2(32.2)(.50)}$
 $Q = 1.98 \text{ cfs/GRATE}$
 THERE ARE 2 INLETS FOR A TOTAL OF 3.96 cfs



DRAINAGE SYSTEM PLAN

MICHAEL PEEPLES
 Engineers and Planners

1930 E. ROSEMEADE #205 - CARROLLTON, TX 75007
 972-416-1968 (TEL) 214-731-9949 (FAX)
 ENGINEERING FIRM #3734

STATE OF TEXAS
 MICHAEL N. PEEPLES
 38298
 REGISTERED PROFESSIONAL ENGINEER

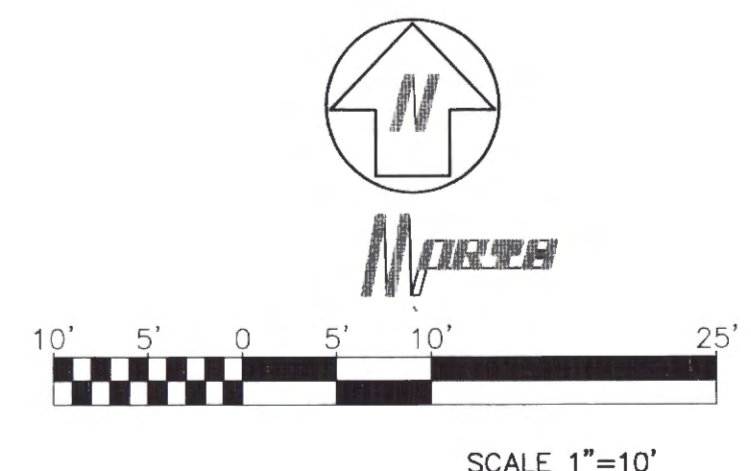
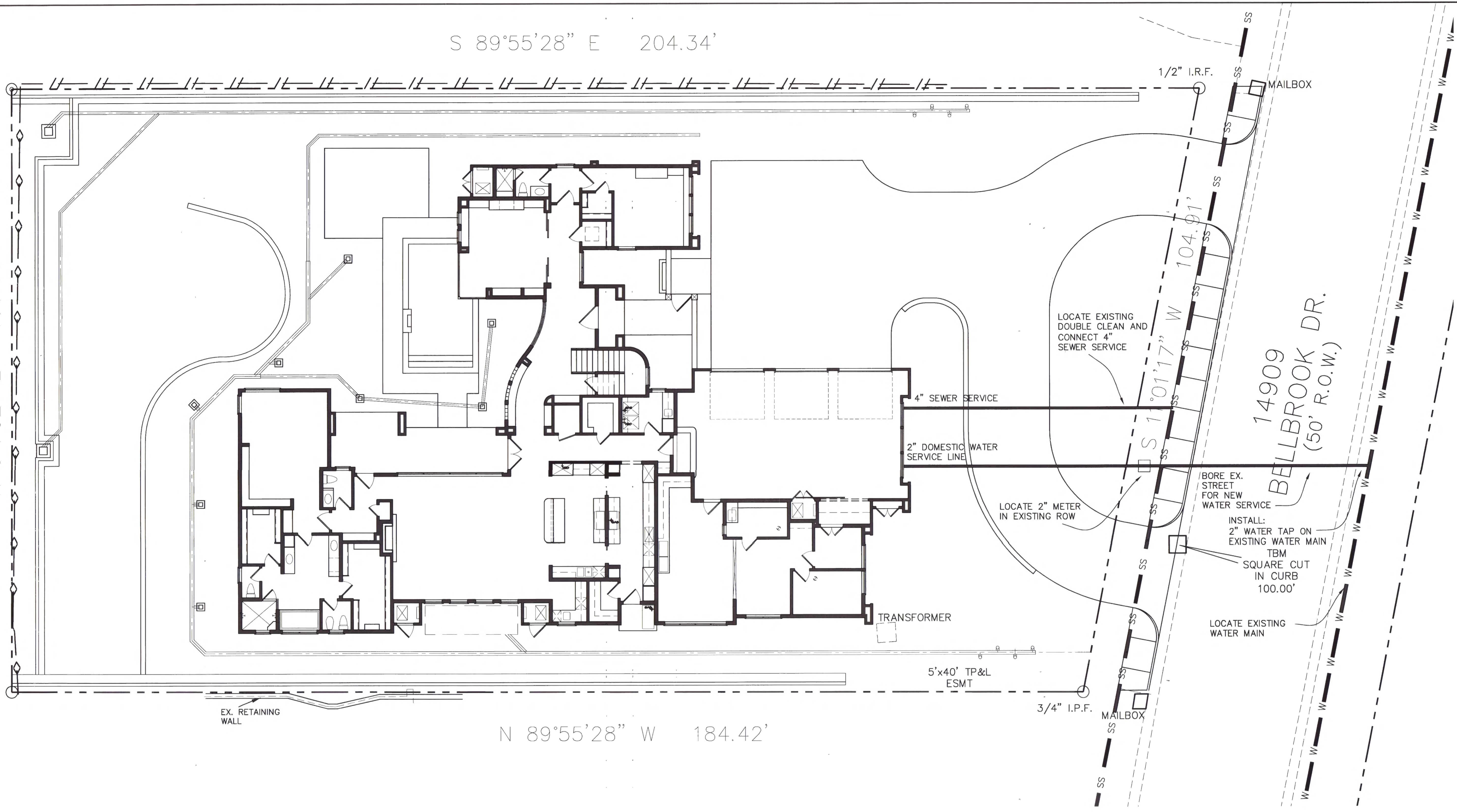
10/11/10

Lot 5, Block 3, Bellbrook Estates, Addison, Texas
 David & Louise Rosenfield - Owners

N 0°4'32" E 103.00'

S 89°55'28" E 204.34'

N 89°55'28" W 184.42'

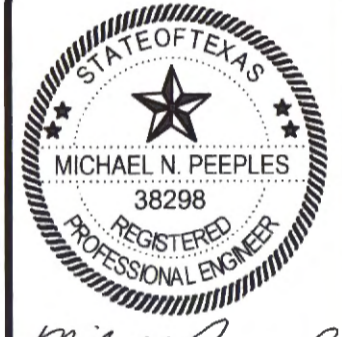


**WATER AND
SEWER SERVICE
PLAN**

Lot 5, Block 3, Bellbrook Estates, Addison, Texas
David & Louise Rosenfield - Owners

SHEET
CE-4
OF

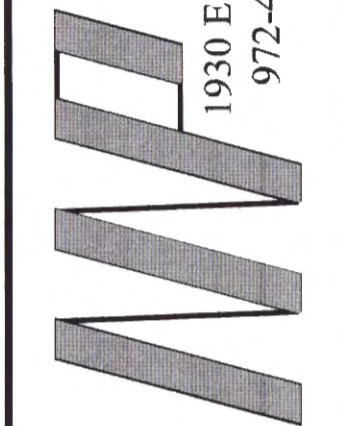
PW#2010-10



Michael N. Peebles, P.E.

10/11/10

MICHAEL PEEPLES
Engineers and Planners
1930 E. ROSEMEADE #205 - CARROLLTON, TX 75007
972-416-1968 (TEL) 214-731-9949 (FAX)
ENGINEERING FIRM #5754



14909 BELLBROOK DR.
(50' R.O.W.)

LOCATE EXISTING
DOUBLE CLEAN AND
CONNECT 4"
SEWER SERVICE

4" SEWER SERVICE

2" DOMESTIC WATER
SERVICE LINE

LOCATE 2" METER
IN EXISTING ROW

BORE EX.
STREET
FOR NEW
WATER SERVICE

INSTALL:
2" WATER TAP ON
EXISTING WATER MAIN
TBM
SQUARE CUT
IN CURB
100.00'

LOCATE EXISTING
WATER MAIN

TRANSFORMER

5'x40' TP&L
ESMT

3/4" I.P.F.

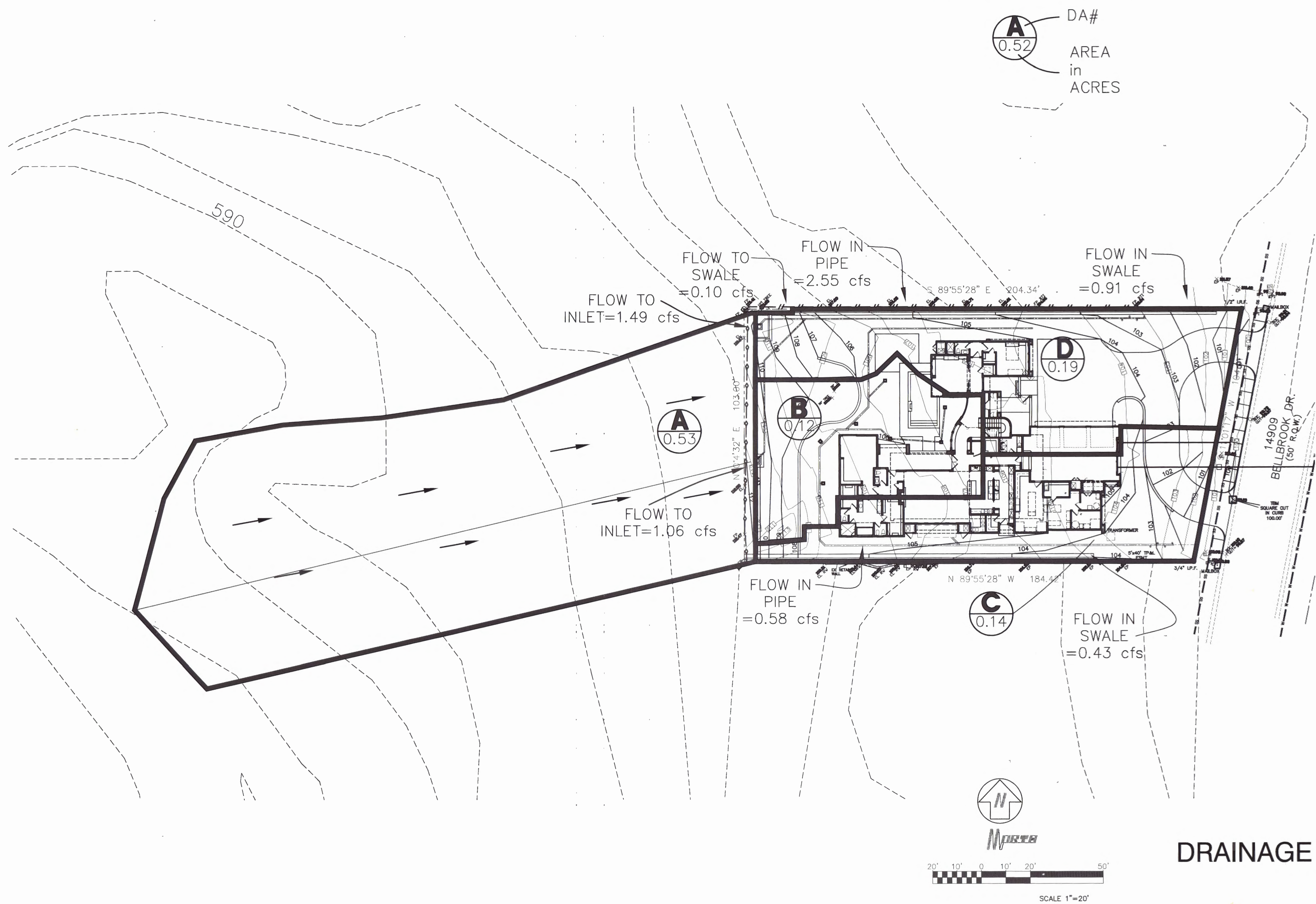
MAILBOX

1/2" I.R.F.


MAILBOX

EX. RETAINING
WALL

DA#	AREA in ACRES	Tc in MIN	INTENSITY in/hr	"C" factor	Q ₁₀₀ in cfs	INLET TYPE/ COMMENT
A	0.53	10	8.74	0.55	2.55	OFFSITE DA SHEET FLOWS TO SITE
B	0.12	10	8.74	0.55	0.58	FLOW TO INTERNAL DRAINAGE SYSTEM
C	0.14	10	8.74	0.55	0.67	FLOW IN SOUTH SWALE TO STREET
D	0.19	10	8.74 </td <td>0.55</td> <td>0.91</td> <td>FLOW IN NORTH SWALE TO STREET</td>	0.55	0.91	FLOW IN NORTH SWALE TO STREET



 DA#
 AREA in ACRES

MICHAEL PEEPLES
 Engineers and Planners
 1930 E. ROSEMEADE #205 - CARROLLTON, TX 75007
 972-416-1968 (TEL) 214-731-9949 (FAX)
 ENGINEERING FIRM #3754

 Michael Peeples, P.E.
 10/11/10

Lot 5, Block 3, Bellbrook Estates, Addison, Texas
 David & Louise Rosenfield - Owners

SHEET
DA-1
 OF

FW#2010-10

DRAINAGE AREA MAP

