

Engineering's Corp

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER & SEWER OPERATIONS
HOUSE CONNECTION PROPOSAL FORM
For 1, 2, or 3, Family Homes Only
VALID FOR TWO (2) YEARS
[HC - 1]



PROJECT DATA:

Borough of Staten Island Building Dept. No (s) TO BE SELF CERTIFIED
Tax Block 7965 Lot (s) 7, 10 Zoning R3-A Map No. 21D
Project Location 70 & 74 Cedar Terrace Staten Island NY 10304
Applicant Giuseppe Bonomo, R.A.
Address 503 Mosely Avenue, Staten Island Zip 10312 Phone (718) 966-4558
Owner Frances Sarcona, Self
Address 5926 AMBOY ROAD STATEN ISLAND NY Zip 10304 Phone (718) 948-2596

1. PLAN:

NOTE: TOTAL DEVELOPED STORM FLOW OF 0.333 CFS WILL
BE RETAIN ON SITE BY MEANS OF ON SITE DRYWELLS.

FOR EACH LOT:
2 - 8'-0" dm x 8'-0" dp

See Attachment 'F'



2. HOUSE CONNECTIONS REQUESTED: (WORST CASE)

3. CONNECTION INFO:

1. ☐ Connection to exist: ☐ Spur ☐ Riser ☐ Curb Connection
2. ☐ Proposed New Riser
3. ☐ Fold Spur in
4. ☒ Drill in (#70)
5. ☐ M.H. Conn. ☐ Exist. ☐ Prop.
6. ☒ Reuse Plugged Connections (#74)

Note: The property owner is responsible for plugging all inactive pre-existing sewer connections.

No. Requested	Sanitary	Storm	Comb.	Drywells
Size	6"	NA	x.xxx	xxxxxxx
Material (s)	EHCI	NA	x.xxx	xxxxxxx
Total Q (s)	0.0028	NA	x.xxx	0.333

SEWER INFORMATION CERTIFIED BY DEP

1. There (is) (is not) a sanitary sewer fronting the property available for connections.
2. There (is) (is not) a storm sewer fronting the property available for connections.
3. There (is) (is not) a combined sewer fronting the property available for connections.
4. Sanitary discharge tributary to:
5. Distance to, and location of nearest allowable drainage plan sewer:
a) Sanitary Outlet
b) Storm Outlet
c) Combined Outlet

City Treatment Plant -
Private Sewage Treatment Plant -
Private Pumping Station -

NO ☒ YES ☐
NO ☒ YES ☐
NO ☒ YES ☐

Location

CERTIFICATION, RESTRICTIONS, SPECIAL CONDITIONS:

NO CONNECTION PERMIT WILL BE
ISSUED UNTIL TENTATIVE LOT SHEET IS
FINALIZED

Rev. 5/05



DEPT OF BLDGS 540185422 Job Number

ES885399757

Scan Code

Attachment 'F'

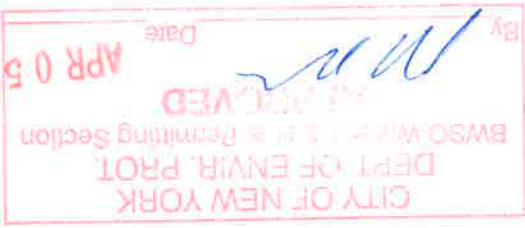
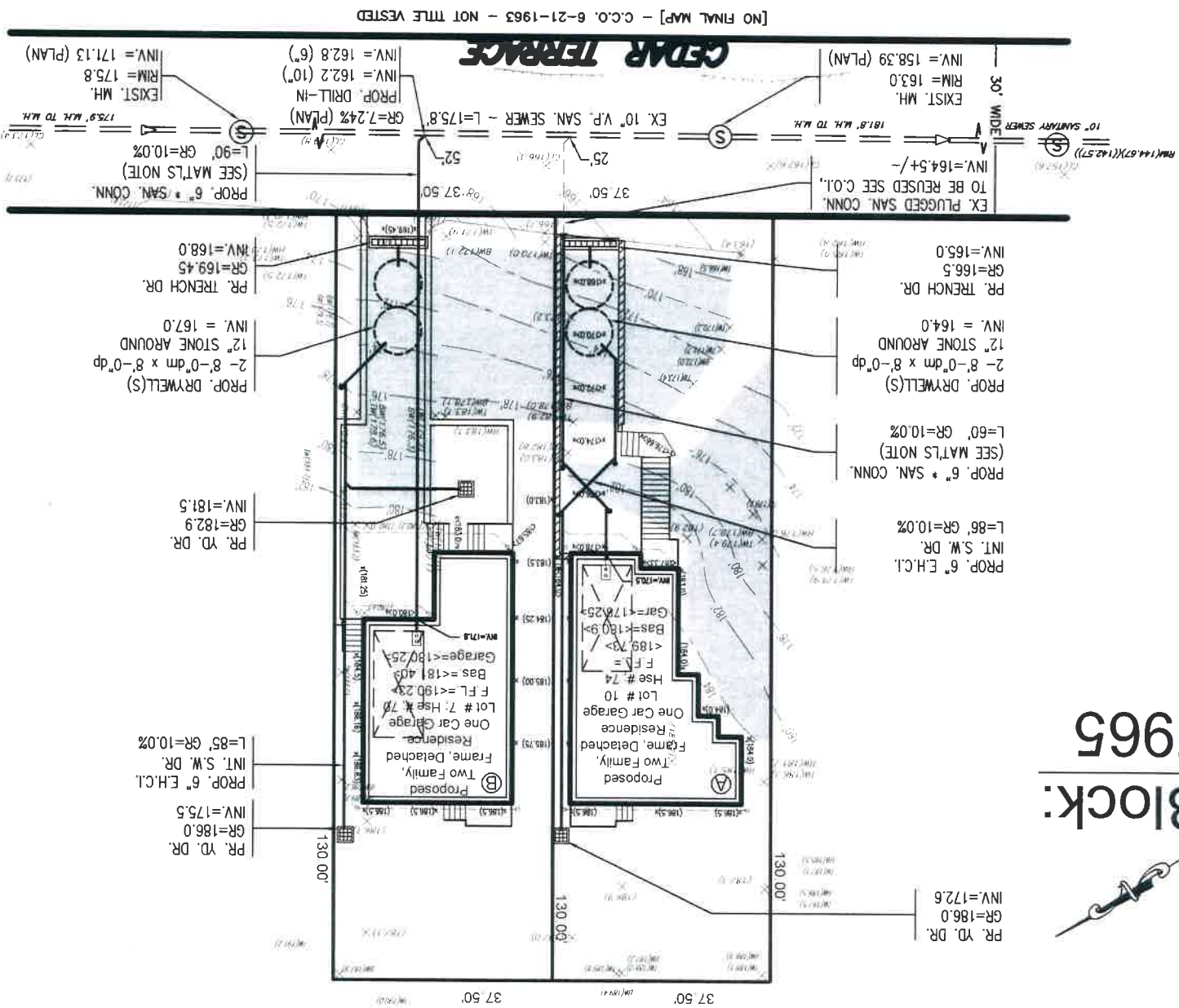
PLAN N.T.S. - CONTROL NUMBER #



Giuseppe Bonomo

Giuseppe Bonomo, AIA
License #038061

Block: 7965



REVISION DATE:

MATERIAL NOTE:

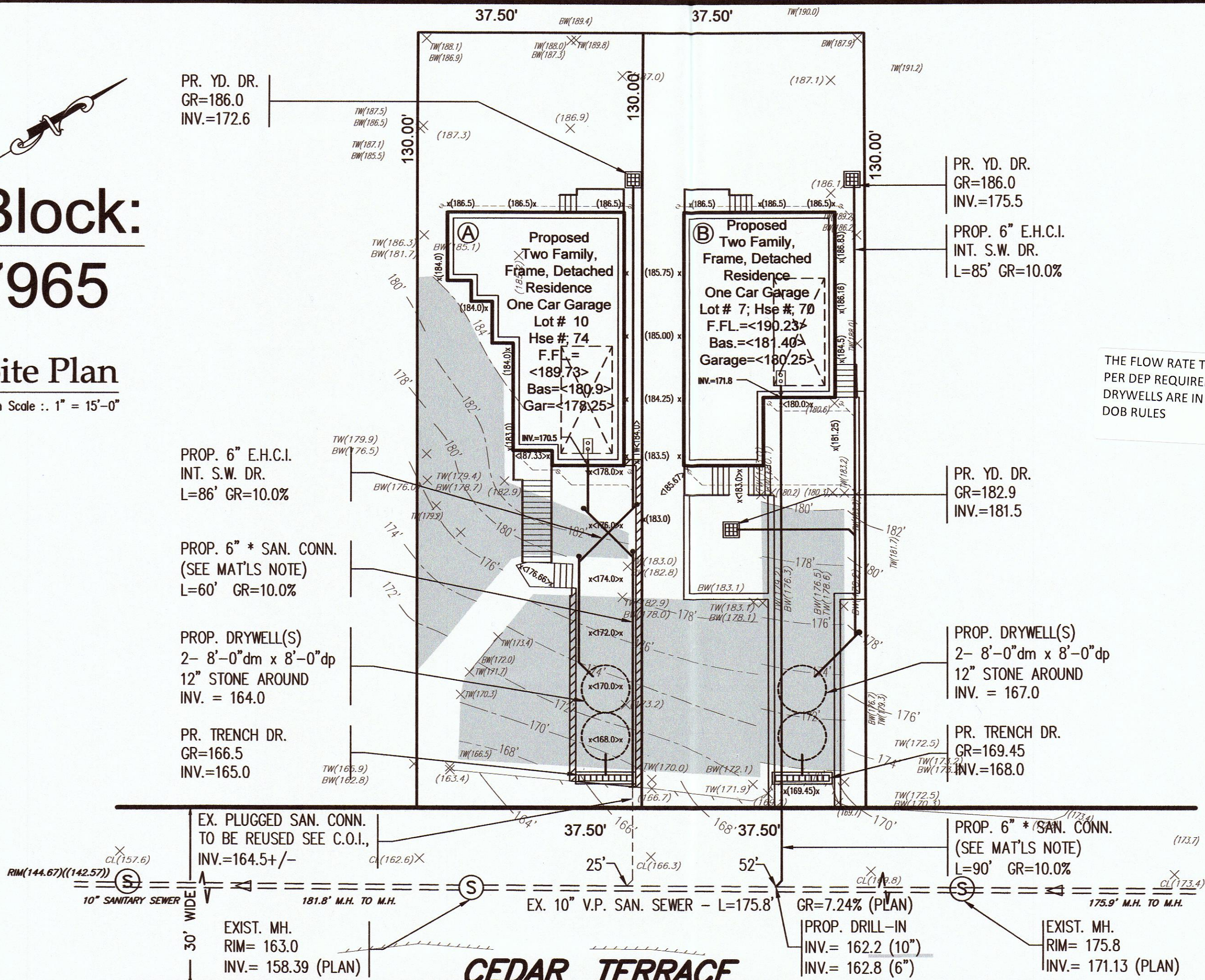
THE PIPE AND BEDDING MATERIAL FOR THE PROPOSED CONNECTIONS SHALL CONFORM TO STANDARD N.Y.C.D.E.P. SPECIFICATIONS.

NOTE:
IF THE EXISTING WATER MAIN INTERFERES WITH ANY OF THE PROPOSED CONNECTIONS, THEN IT SHALL BE RELOCATED AS PER N.Y.C.D.E.P. STANDARDS.
STORM WATER RUNOFF FROM THE OWNERS PROPERTY SHOWN HEREON WILL BE DISPOSED OF INTO ON-SITE DRYWELLS IN ACCORDANCE WITH LOCAL LAW NO. 103/89

Block: 7965

Site Plan

Plan Scale :: 1" = 15'-0"



[NO FINAL MAP] - C.C.O. 6-21-1963 - NOT TITLE VESTED

Calculations

AREA = 9,100 = 0.21 Ac, ZONE = R3A; MAP = 21D
LOT 10 = 4,875 = 0.1119 Ac
LOT 45 = 4,875 = 0.1119 Ac
*WORST CASE SCENARIO OF TWO LOTS USED; THEREFORE BOTH COMPLY

SANITARY

Qavg. = $\frac{0.1119(50)(150)}{7.48(86400)}$ = 0.0001 CFS
PEAK FLOW FACTOR = 4
Qpeak = 4(0.0007) = 0.0028 CFS
PROP. 6" * SAN. CONN. @ 10.0%
CAPACITY = 1.79 CFS
1.79 CFS > 0.0028 CFS ∴ O.K.



STORM

Allowable
Qall = 5.95(0.6)0.1119
Qall = 0.40 CFS

Actual
ROOF = 946 = 0.021 Ac x 1.0 = 0.021
PAV'T = 1132 = 0.026 Ac x 0.85 = 0.022
GRASS = 2797 = 0.064 Ac x 0.20 = 0.013
0.111 AC 0.056

Cw = $\frac{0.056}{0.111}$ = 0.50

Qact = 5.95(0.50)(0.1119)
Qact = 0.333 CFS TO DRYWELLS

DRYWELL DESIGN

TRIB. AREA = 4,875
VOL. REQ'D = 4,875 x $\frac{2}{12}$ = 812.5 CF
PROVIDE 2- 8'-0" x 8'-0" DEEP CELL
1'-0" STONE AROUND
VOL. PROV. = (2)(42.24)(8.0) + (180 - 100.48)(8.0)(0.3)
VOL. PROV. = 675.84 + 191 = 866.84 CF
VOL. PROV., 866.84 CF > VOL. REQ'D, 812.5 CF O.K. ∴

STORM WATER NOTE

STORM WATER RUNOFF FROM THE OWNERS PROPERTY SHOWN HEREON WILL BE DISPOSED OF INTO ON-SITE DRYWELLS IN ACCORDANCE WITH LOCAL LAW NO. 103/89

DRYWELL NOTE

THE FLOW RATE TO THE DRYWELLS IS PER D.E.P. REQUIREMENTS & THE DRYWELLS ARE IN COMPLIANCE WITH THE D.O.B. RULES.

SANITARY OUTLET

THE SANITARY DRAINS SHOWN HEREON ARE TRIBUTARY TO THE MUNICIPAL SEWAGE TREATMENT PLANT AT OAKWOOD BEACH.

NOTE:

IF THE EXISTING WATER MAIN INTERFERES WITH ANY OF THE PROPOSED CONNECTIONS THEN IT SHALL BE RELOCATED AS PER NYC DEP STANDARDS.

* MATERIAL NOTE:

THE PIPE AND BEDDING MATERIAL FOR THE PROPOSED CONNECTIONS SHALL CONFORM TO STANDARD N.Y.C.D.E.P. SPECIFICATIONS.

DEVELOPMENT NOTE

THE OWNERS PROPERTY SHOWN HEREON WILL BE DEVELOPED WITH TWO, TWO FAMILY, DETACHED RESIDENCES. 'FEE-SIMPLE'

DATUM NOTE

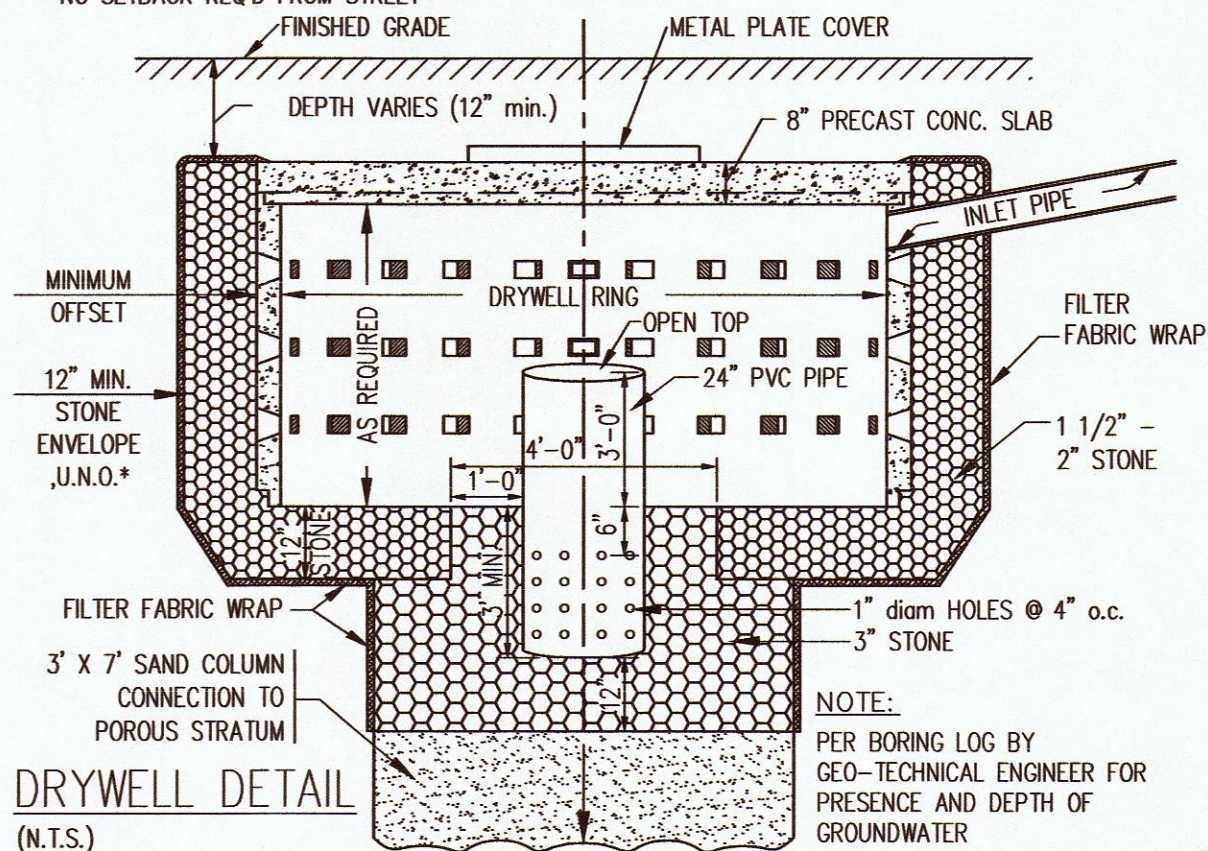
ELEVATIONS SHOWN HEREON ARE IN THE N.A.V.D. 88 DATUM.

PLUMBERS' NOTE ::

ALL CUTTING IN THE "RIGHT-OF-WAY" (BED OF NYC STREET) SHALL BE COORDINATED WITH ALL AGENCIES HAVING JURISDICTION. ALL UTILITY AGENCIES HAVING SERVICES TRAVERSING ENTIRE FRONTAGE OF SUBJECT PROPERTY SHALL BE NOTIFIED PRIOR TO ANY WORK TO LOCATE ALL UNDERGROUND SERVICES AND PROTECT ALL ABOVE GROUND SERVICES.

IN THE EVENT THAT A DISRUPTION OF ANY SERVICE OCCURS THE GENERAL CONTRACTOR, NOT THIS FIRM, SHALL BE HELD RESPONSIBLE AND SHALL RESTORE CONDITIONS EXISTING PRIOR TO CONSTRUCTION.

NOTE:
5'-0" MIN FROM ALL PROPERTY LINES AND
10'-0" MIN FROM ALL FOUNDATION WALLS *
NO SETBACK REQ'D FROM STREET*



Giuseppe Bonomo, A.I.A.

Design Build S.I., Inc.
503 Mosely Avenue
suite 1
Staten Island, N.Y. 10312
tel - (718) 966-4558
fax - (718) 701-6620
email - office@db-si.com - www.db-si.com

**DESIGN
BUILD**
S.I., Inc.

D.E.P. APPROVAL STAMPS

APR 05 2019

Project Owner : Frances Sarcona
5926 Amboy Road
Staten Island NY 10304
718-948-2596

Revision Date :
--/--/--

Drawn By: G.B.
Checked By: GB
Date: 03/30/19
Scale: 1" = 15'

Project Name:
Construct Two Detached Two Family Residences
70 & 74 Cedar Terrace, S. I., N.Y. 10304

Drawing Title
SANITARY & STORM WATER
DISPOSAL SYSTEM

House Connection I.D.#

Project Number:

Dwg. No.

HCR-1

1 of 1