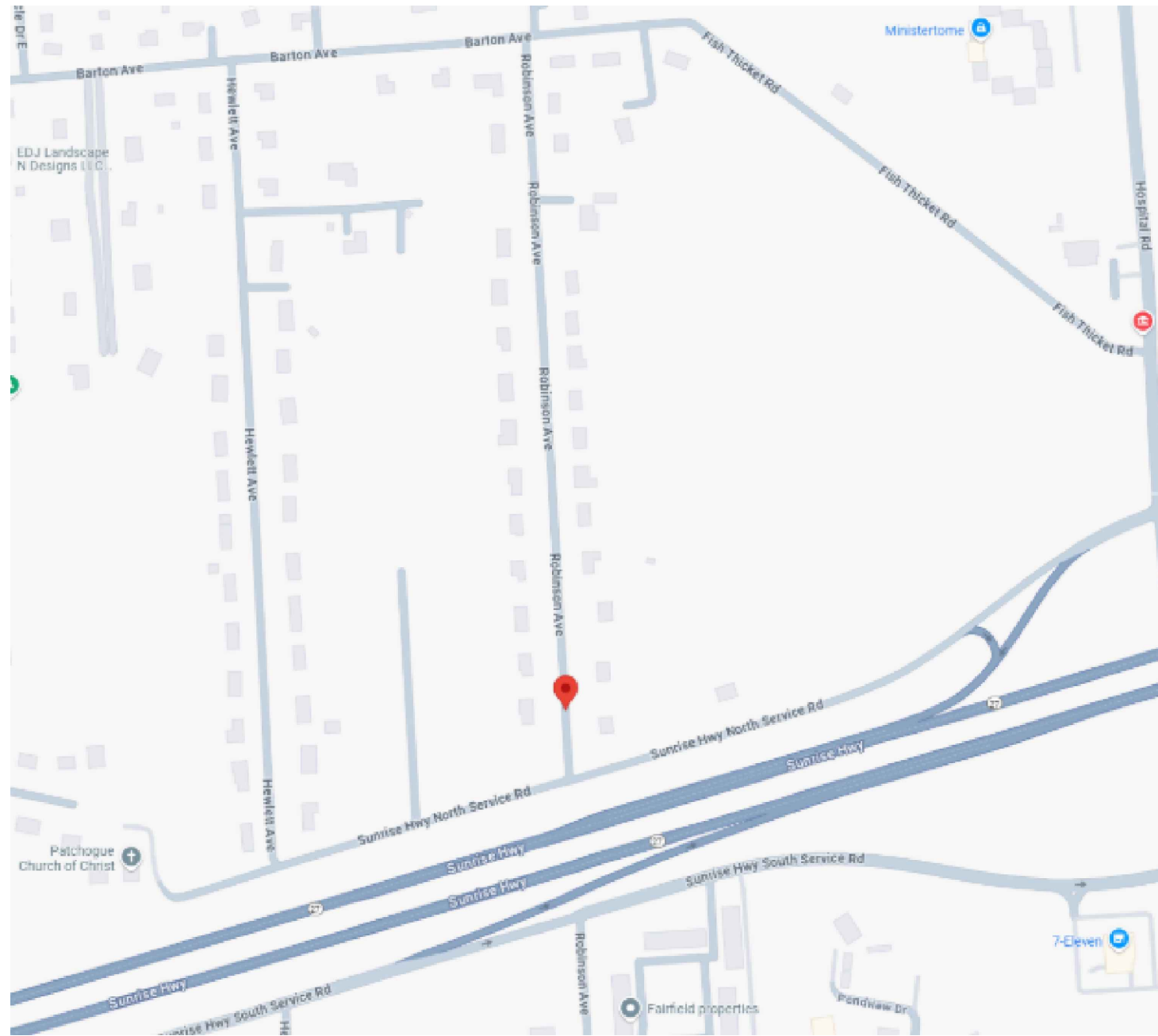
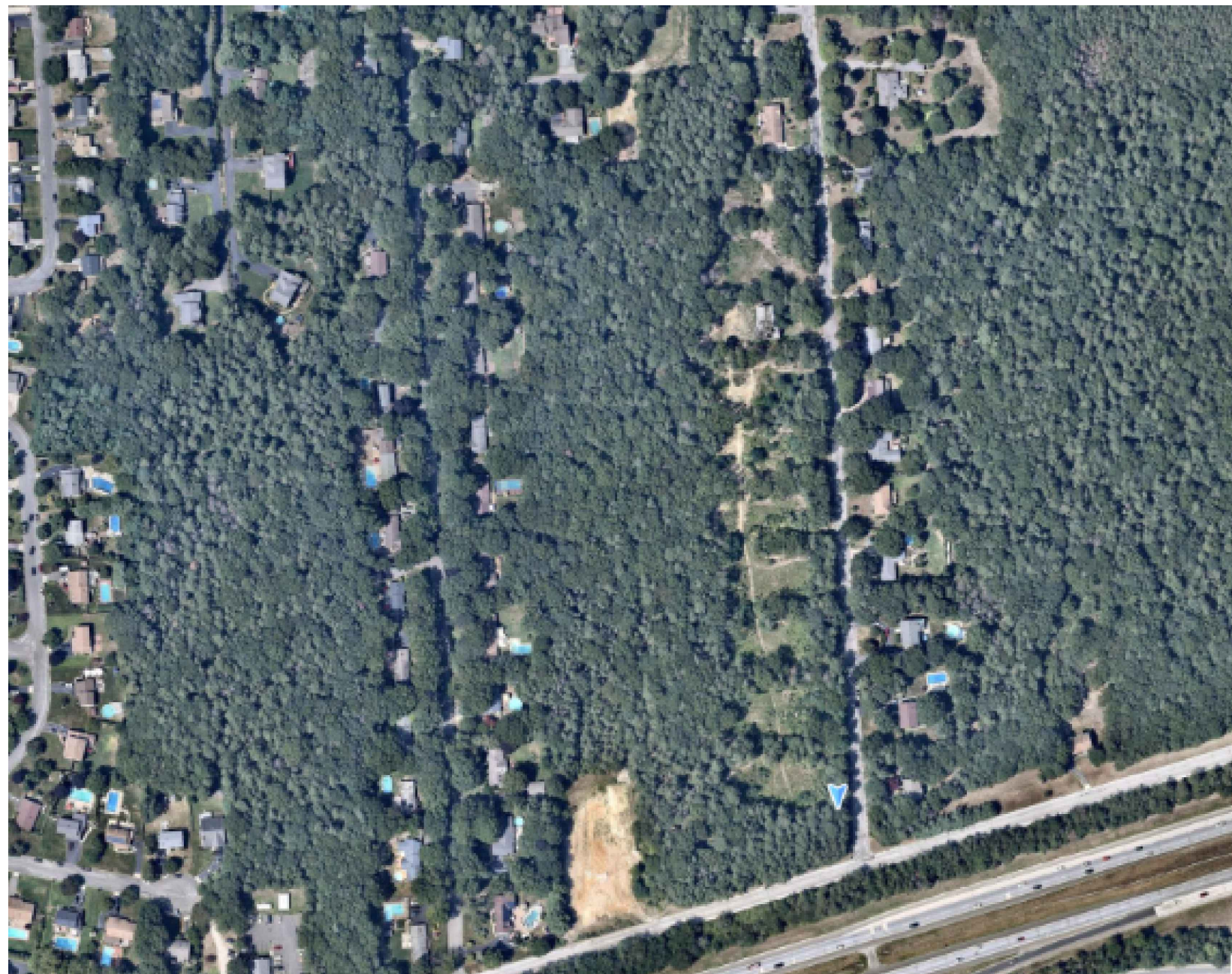




COMMERCIAL PROJECT: 406 ROBINSON AVENUE



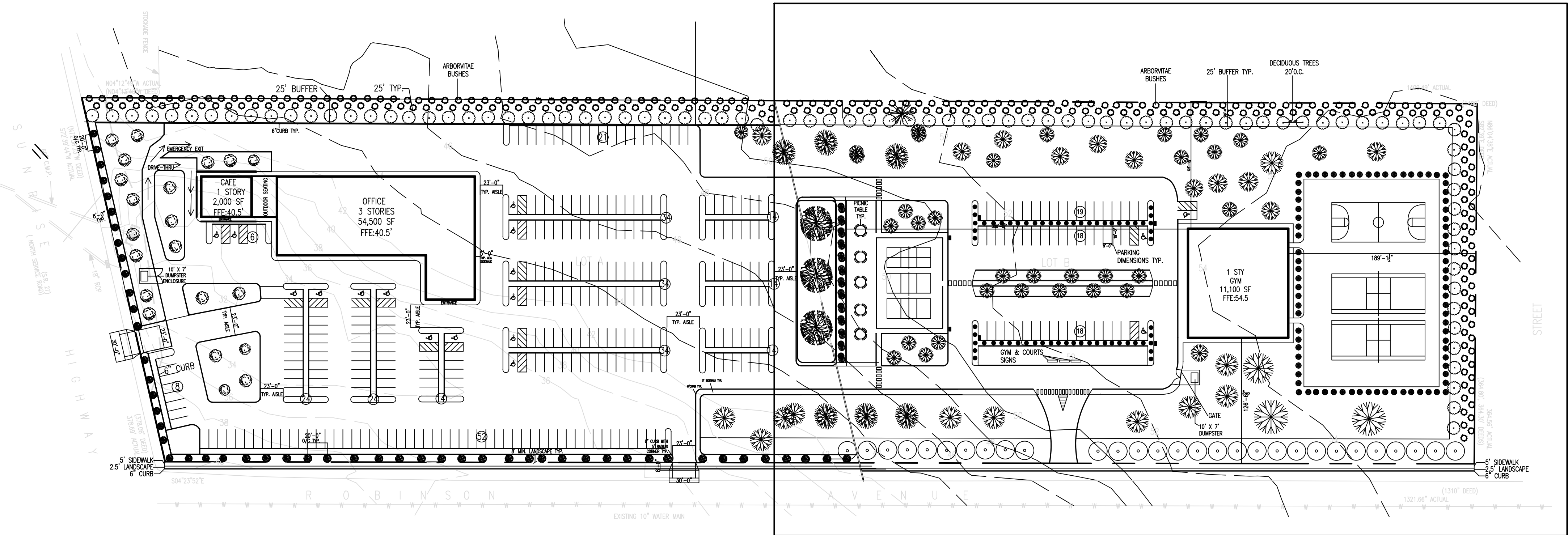
LOCATION MAP
NTS



AERIAL MAP
NTS

INDEX

DWG. NO.	SHEET NAME
C-01	COVER SHEET
C-02	DEMOLITION PLAN
C-03	PROPOSED SITE PLAN
C-04	GRADING & DRAINAGE/SEPTIC
C-05	CUT AND FILL PLAN
C-06	LANDSCAPE PLAN
C-07	DETAILS



MASTER SITE PLAN A & B
NTS

CONSULTANTS

SITE B

OWNER

JAMES MCKEOUGH

COMMERCIAL PROJECT
PROFESSOR LOPICOLLO
406 ROBINSON AVE
EAST PATCHOGUE, NY

MARK DATE DESCRIPTION

PROJECT NO: 1

CAD DWG FILE: COMMERCIAL PROJECT.DWG

DRAWN BY: JAMES MCKEOUGH

CHK'D BY:

COPYRIGHT:

SHEET TITLE

COVER SHEET

C-01

SHEET SHEET INDEX OF TOTAL SHEETS



CONSULTANTS

SITE B

OWNER

JAMES MCKEOUGH

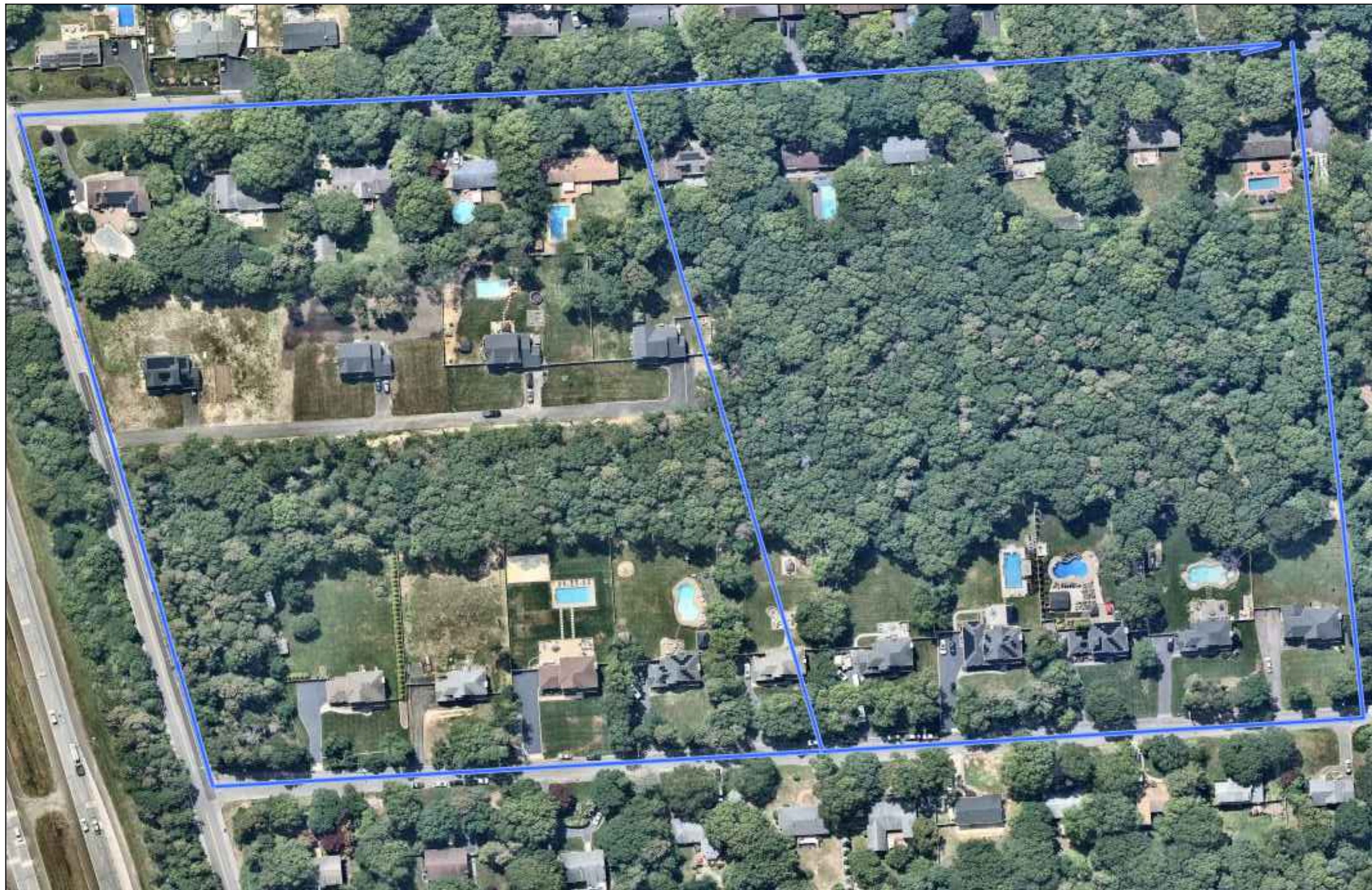
COMMERCIAL PROJECT
PROFESSOR LOPICOLLO
406 ROBINSON AVE
EAST PATCHOGUE, NY

MARK	DATE	DESCRIPTION

PROJECT NO:	1
CAD DWG FILE:	COMMERCIAL PROJECT.DWG
DRAWN BY:	JAMES MCKEOUGH
CHK'D BY:	
COPYRIGHT:	

SHEET TITLE
DEMOLITION PLAN

C-02
SHEET SHEET INDEX OF TOTAL SHEETS



D

C

B

A

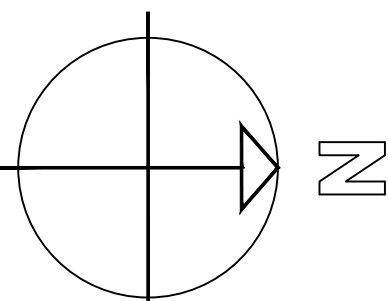
D

C

B

A

DEMOLITION PLAN: SITE B
SCALE: 1"=40'-0"



NOTE:
REMOVE ALL STRUCTURES INC.
FOUNDATIONS, PAVEMENT AND TREES
CLEAR AND GRUB SITE



CONSULTANTS

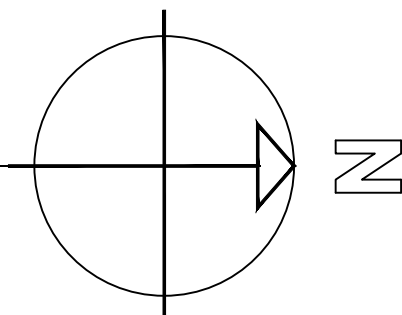
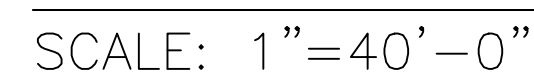
OWNER

B

A

C-03

SHEET SHEET INDEX OF TOTAL SHEETS





CONSULTANTS

OWNER

JAMES MCKEOUGH

COMMERCIAL PROJECT
PROFESSOR LOPICOLLO
406 ROBINSON AVE
EAST PATCHOGUE, NY

MARK DATE DESCRIPTION

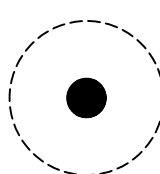
PROJECT NO: 1
CAD DWG FILE: COMMERCIAL PROJECT.DWG
DRAWN BY: JAMES MCKEOUGH
CHK'D BY:
COPYRIGHT:

SHEET TITLE
GRADING DRAINAGE SEPTIC PLAN

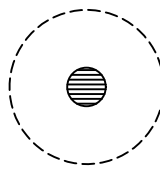
C-04

SHEET SHEET INDEX OF TOTAL SHEETS

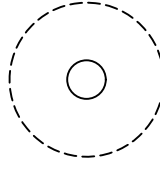
LEGEND



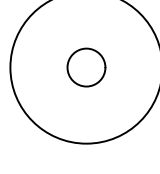
LEACHING POOL WITH COVER



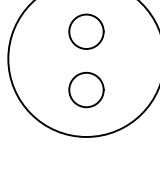
LEACHING POOL WITH OPEN GRATE



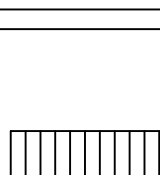
SEPTIC EXPANSION LEACHING POOL



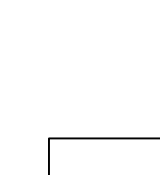
SEPTIC LEACHING POOL



SEPTIC TANK



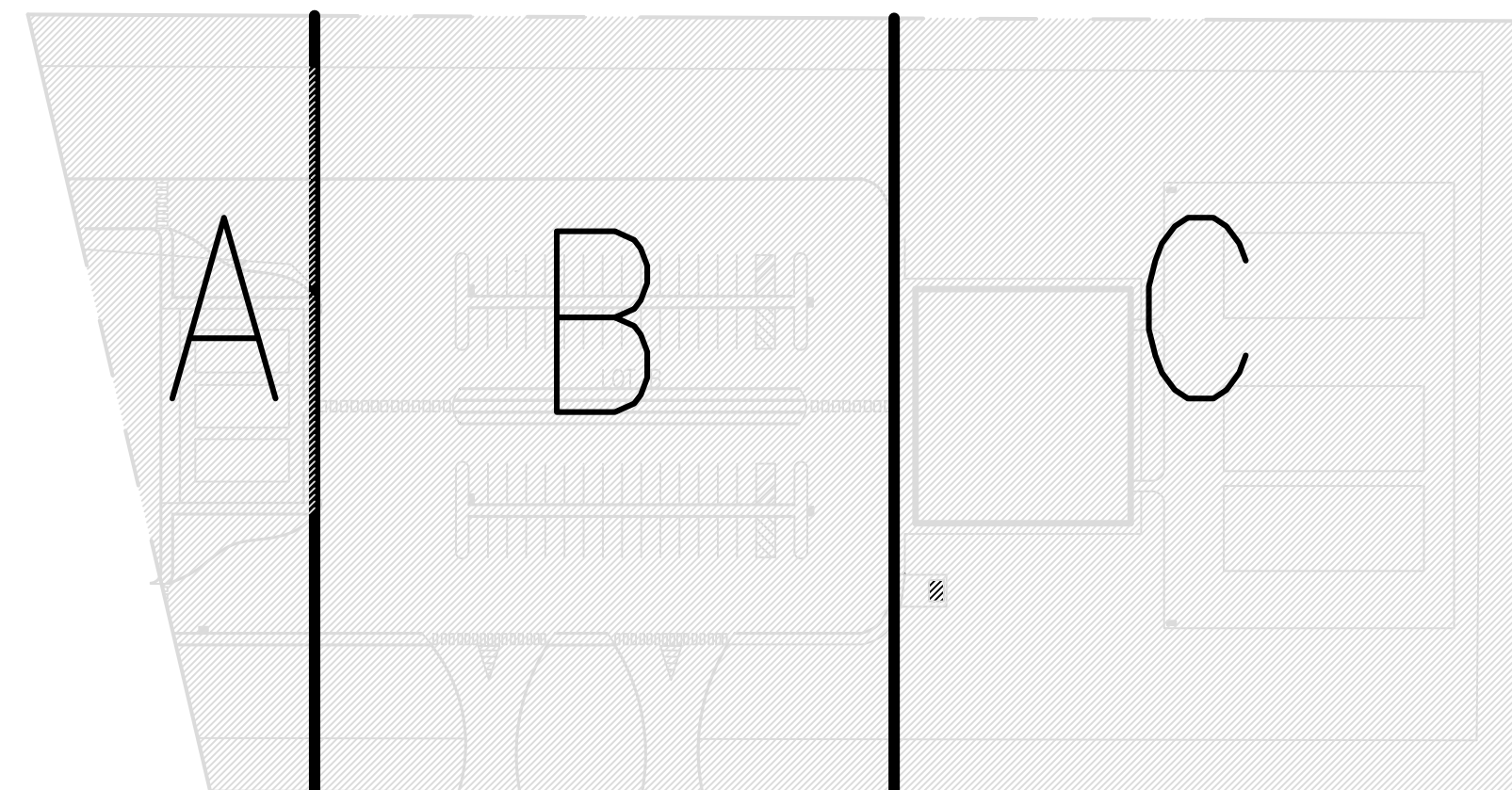
TRENCH DRAIN



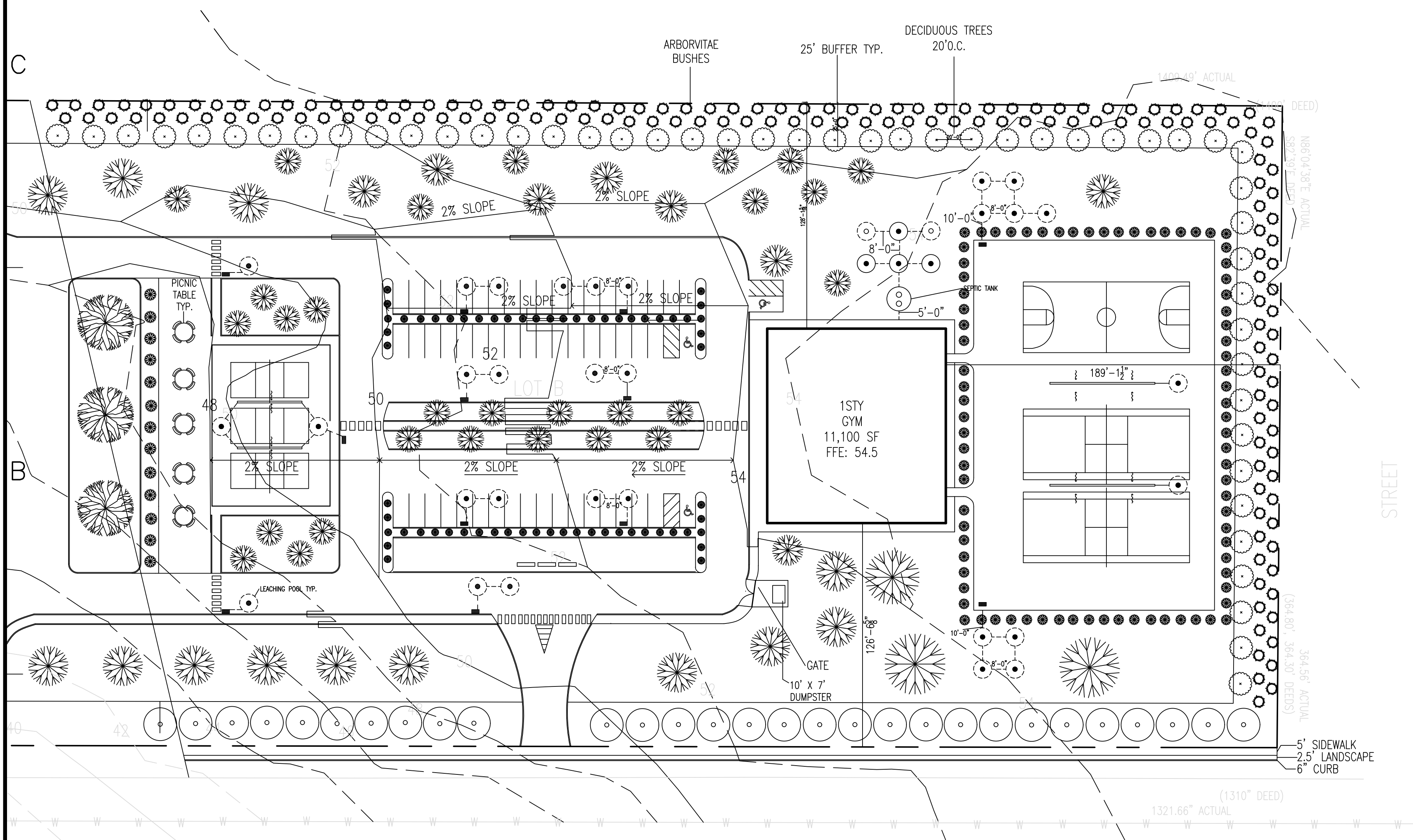
CATCH BASIN

SEPTIC CALCULATIONS

ALLOWABLE: 5.56 ACRES (600 GPD) = 3336 GPD
ACTUAL: .01 GPD/SF (11100SF)(.1) = 1110 SF
1110 > 3336 GPD
(1110 SF) / (1.5 GPD SF) = 740 GPD
(740 GPD) / (31.42 SFVF) = 23.55 VF
(23.55 VF) / (6 EFFECTIVE DEPTH) = 3.9
ADD 50% (+2 LP) = 6 LP TOTAL 10' DIAMETER
SEPTIC LEACHING POOLS



Area	Surface Material	C	i	Tributary Area	Q Storage Req'd	Total Req'd Storage	Total Depth of 12' Dia. LP Req'd	Qty of 8'H 12' Dia LPs Prop.	Qty of 8'H 12' Dia LPs Prop.-Rounded-up
A	Pavement	1	0.17	13116	2229.72				
	Landscape	0.3	0.17	19167	977.52				
	Roof	1	0.17	0	0	3207.24	31.81	3.98	4
B	Pavement	1	0.17	59911	10184.87				
	Landscape	0.3	0.17	36330	1852.83				
	Roof	1	0.17	0	0	12037.70	119.39	14.92	15
C	Pavement	1	0.17	20304	3451.68				
	Landscape	0.3	0.17	65684	3349.88				
	Roof	1	0.17	11100	1887	8688.56	86.17	10.77	11



GRADING DRAINAGE SEPTIC PLAN: SITE B
SCALE: 1"=40'-0"



CONSULTANTS

SITE B

OWNER

JAMES MCKEOUGH

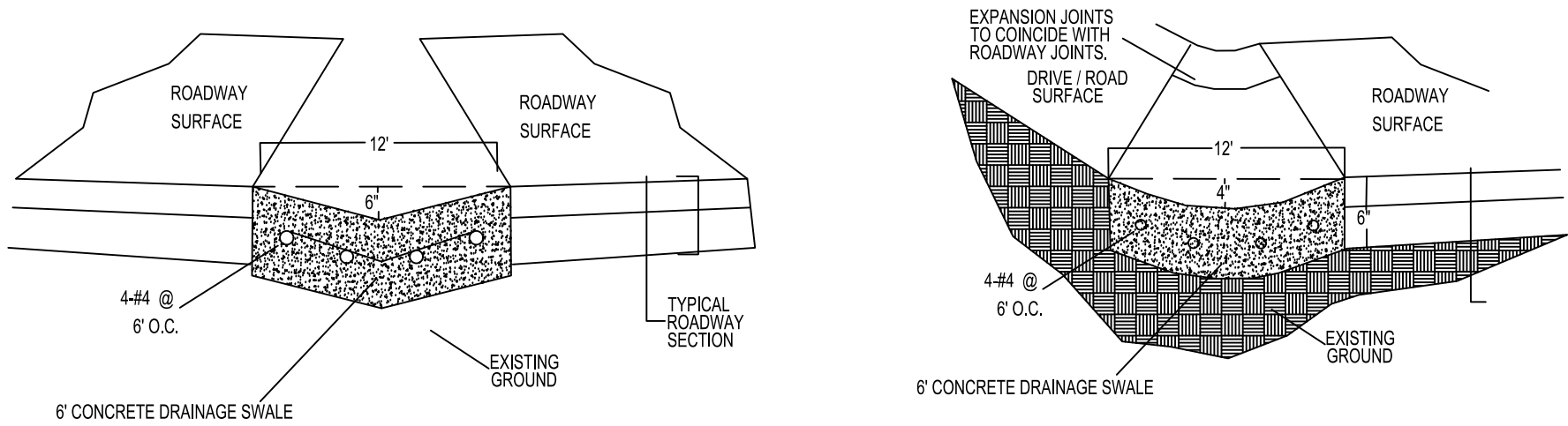
COMMERCIAL PROJECT
PROFESSOR LOPICOLLO
406 ROBINSON AVE
EAST PATCHOGUE, NY

MARK	DATE	DESCRIPTION
PROJECT NO:	1	
CAD DWG FILE:	COMMERCIAL PROJECT.DWG	
DRAWN BY:	JAMES MCKEOUGH	
CHK'D BY:		
COPYRIGHT:		

SHEET TITLE
CUT AND FILL PLAN

CUT		FILL	
C1	15117	F1	15390
C2	77	F2	13220
		F3	6088
TOTAL CF	15194	TOTAL CF	34698
TOTAL CY	562.74	TOTAL CY	1285.11

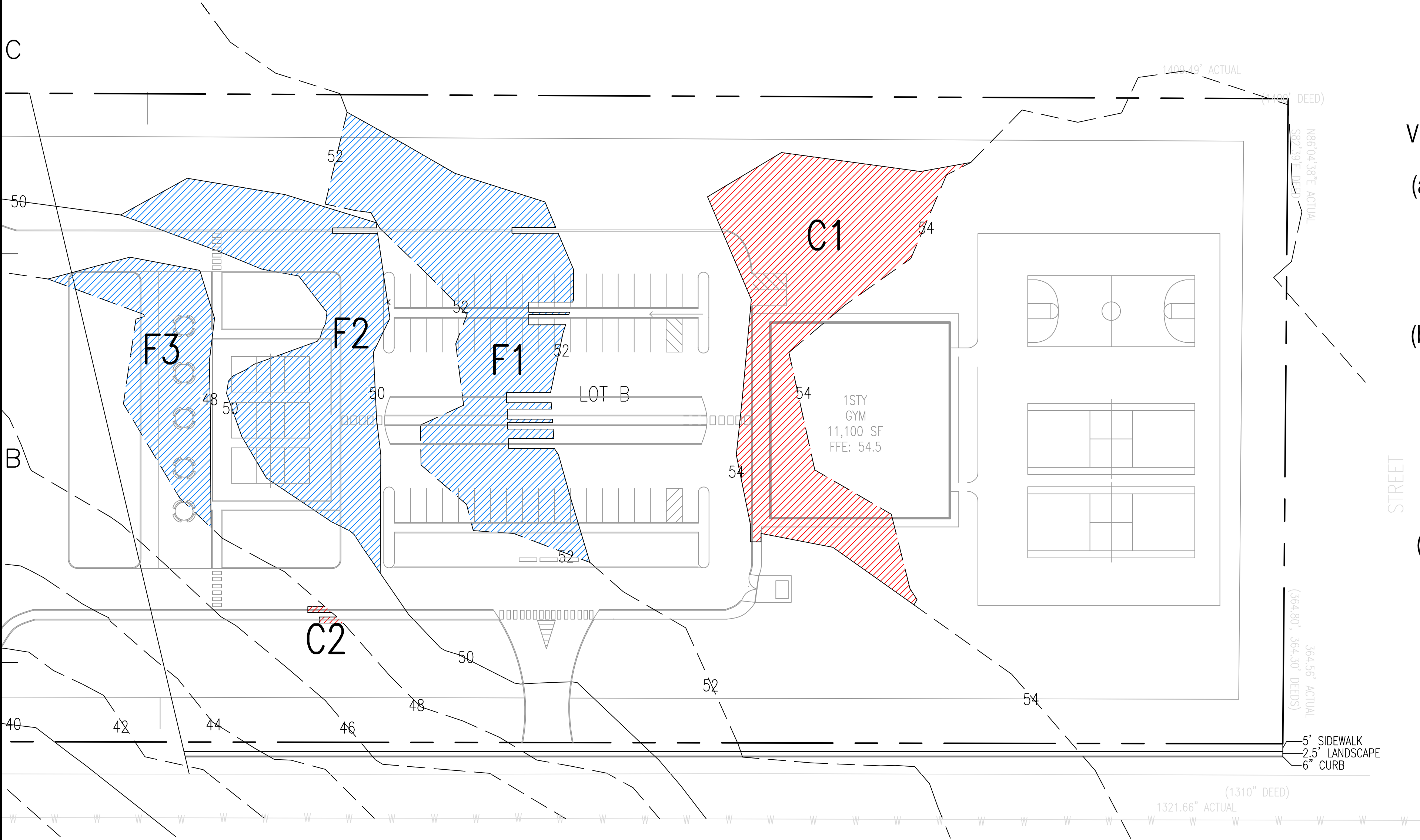
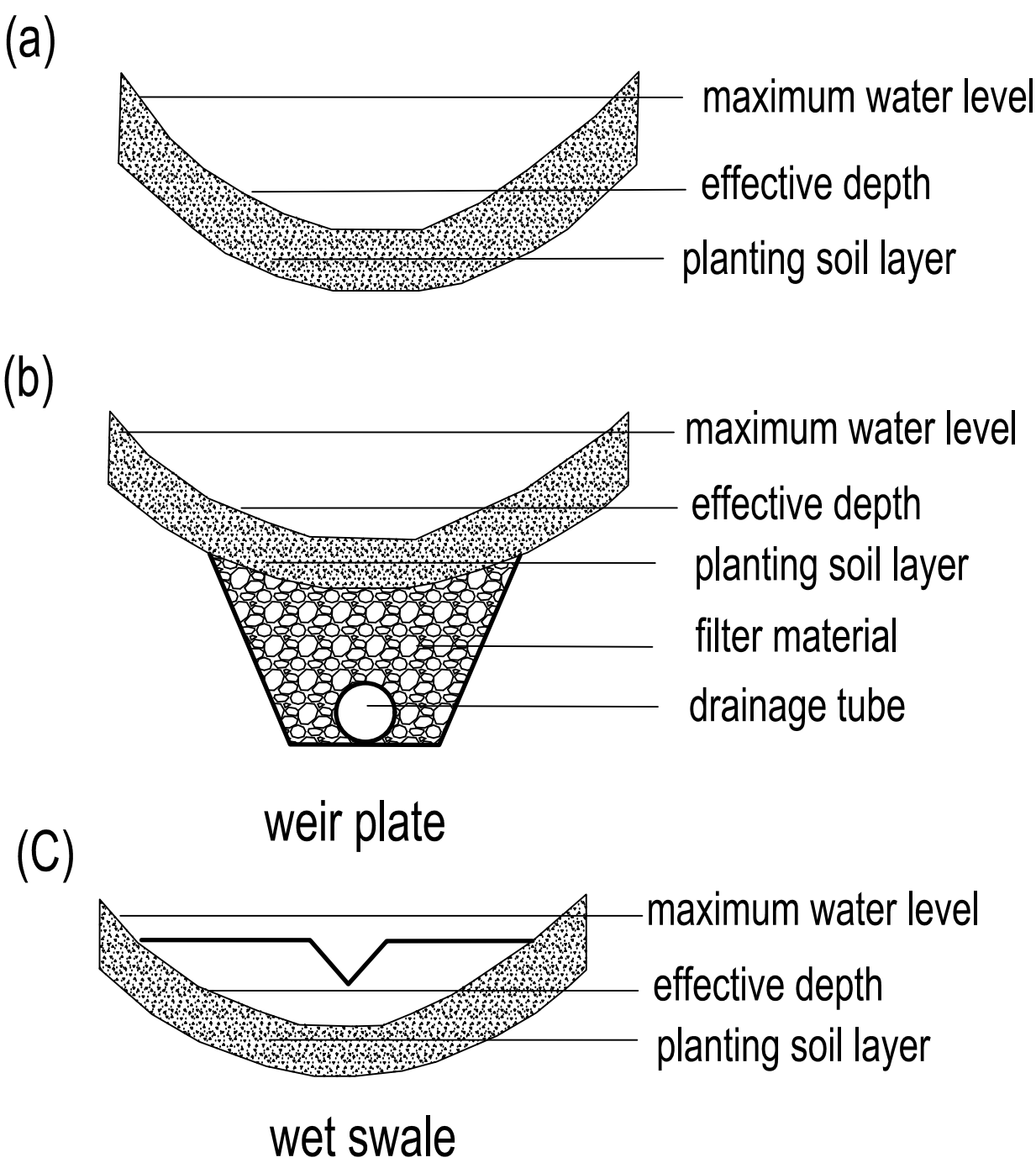
CONCRETE SWALES



C1 CONCRETE SWALE
ACROSS ROADWAY
NOT TO SCALE

C CONCRETE SWALE
AT ROAD / DRIVE EDGE
NOT TO SCALE

VEGETATED / BIOSWALES



CUT AND FILL PLAN: SITE B
SCALE: 1"=40'-0"



CONSULTANTS

OWNER

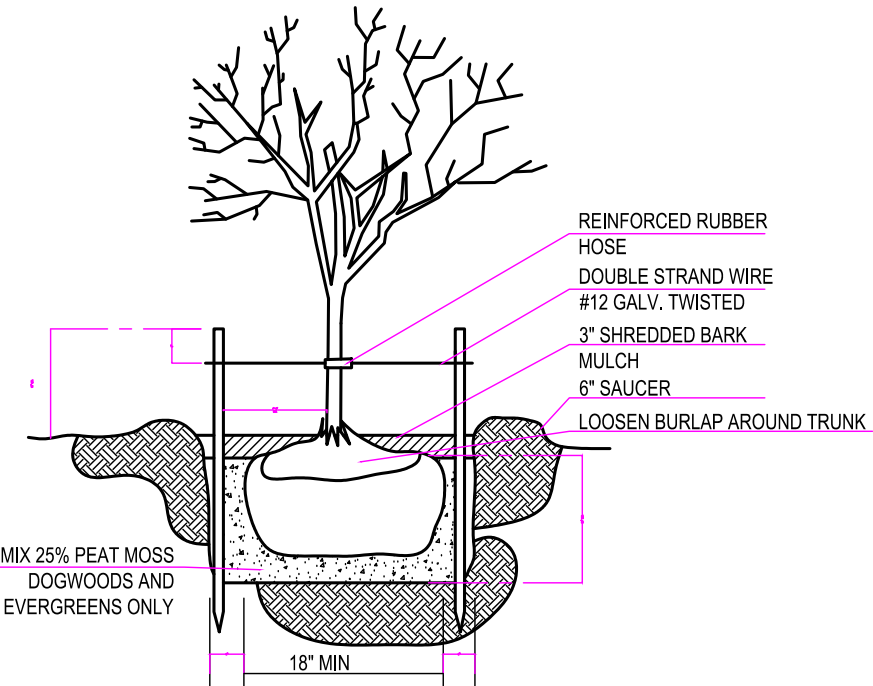
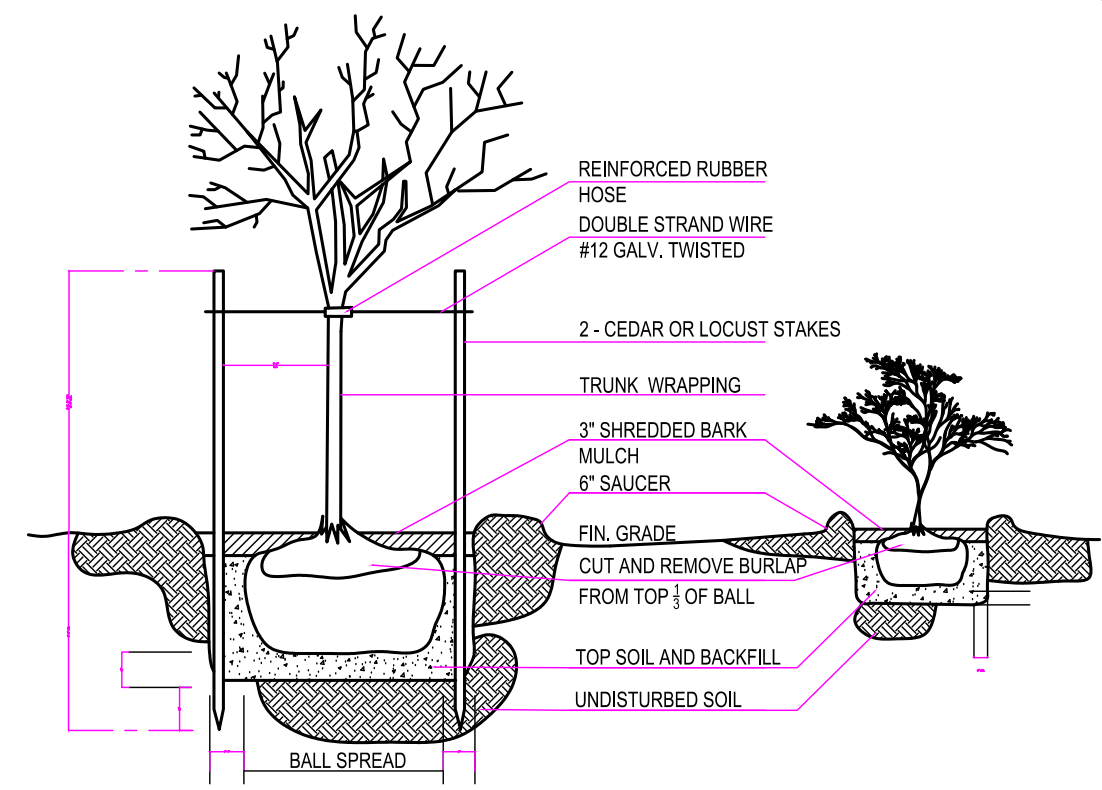
JAMES MCKEOUGH

COMMERCIAL PROJECT
PROFESSOR LOPICOLLO
406 ROBINSON AVE
EAST PATCHOGUE, NY

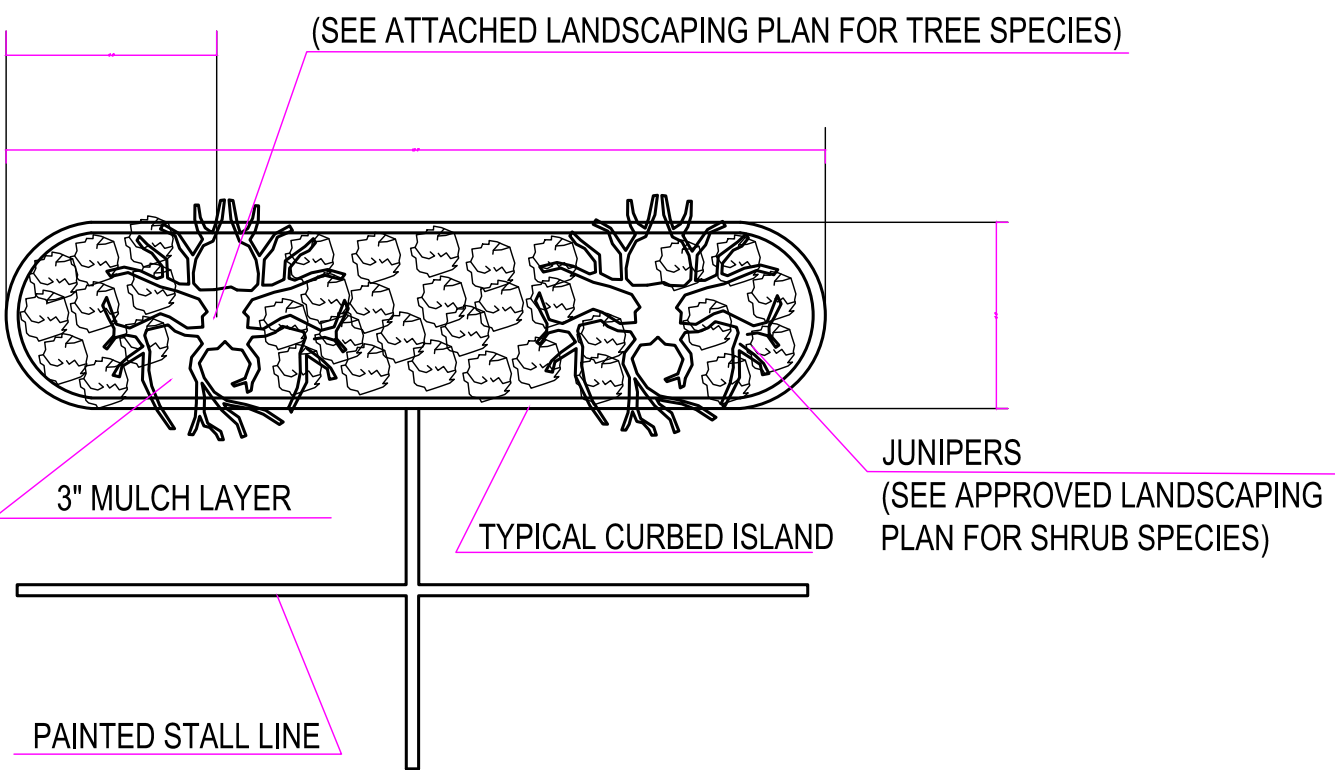
MARK	DATE	DESCRIPTION
PROJECT NO:	1	
CAD DWG FILE:	COMMERCIAL PROJECT.DWG	
DRAWN BY:	JAMES MCKEOUGH	
CHK'D BY:		
COPYRIGHT:		

SHEET TITLE
LANDSCAPE PLAN

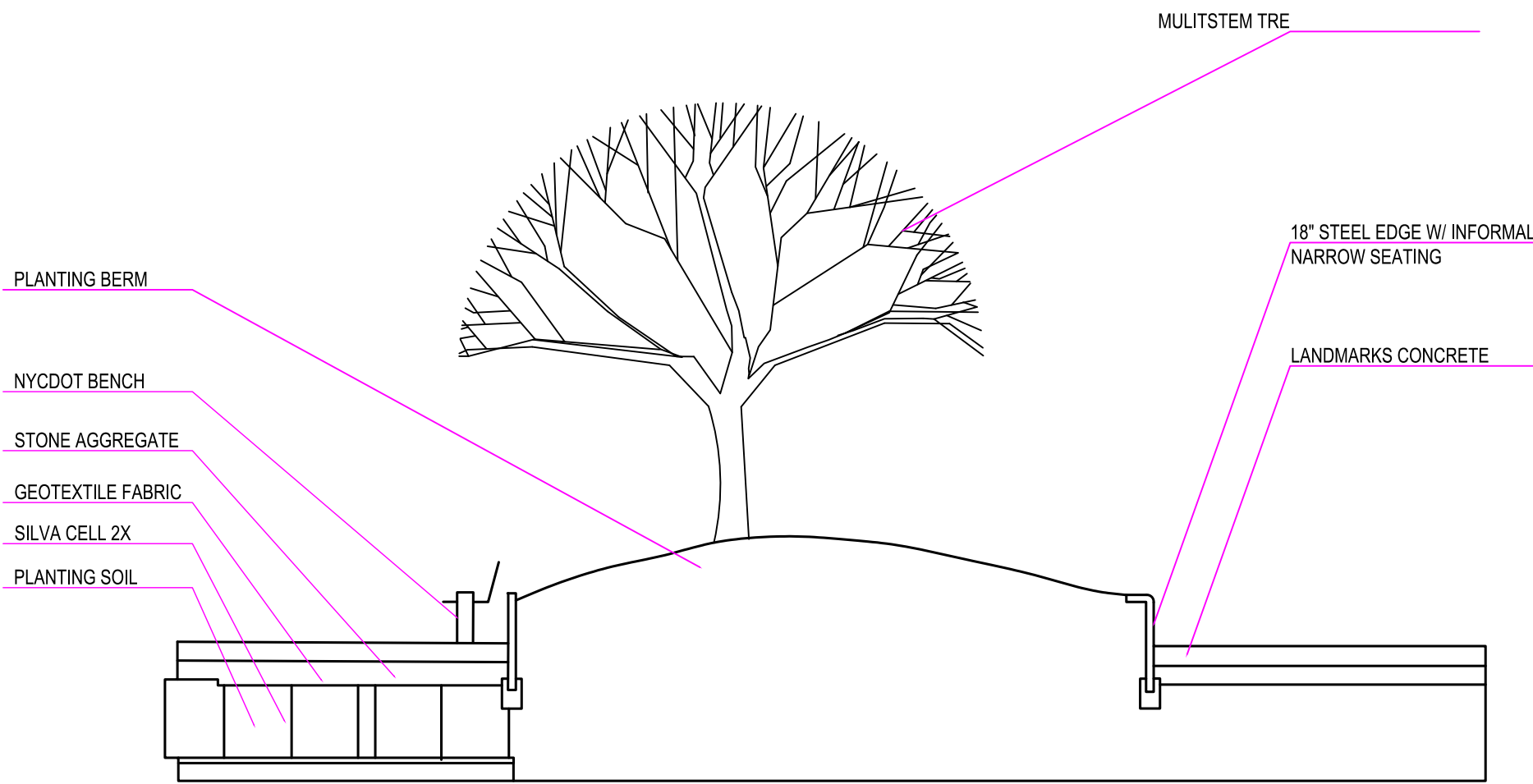
C-06
SHEET SHEET INDEX OF TOTAL SHEETS



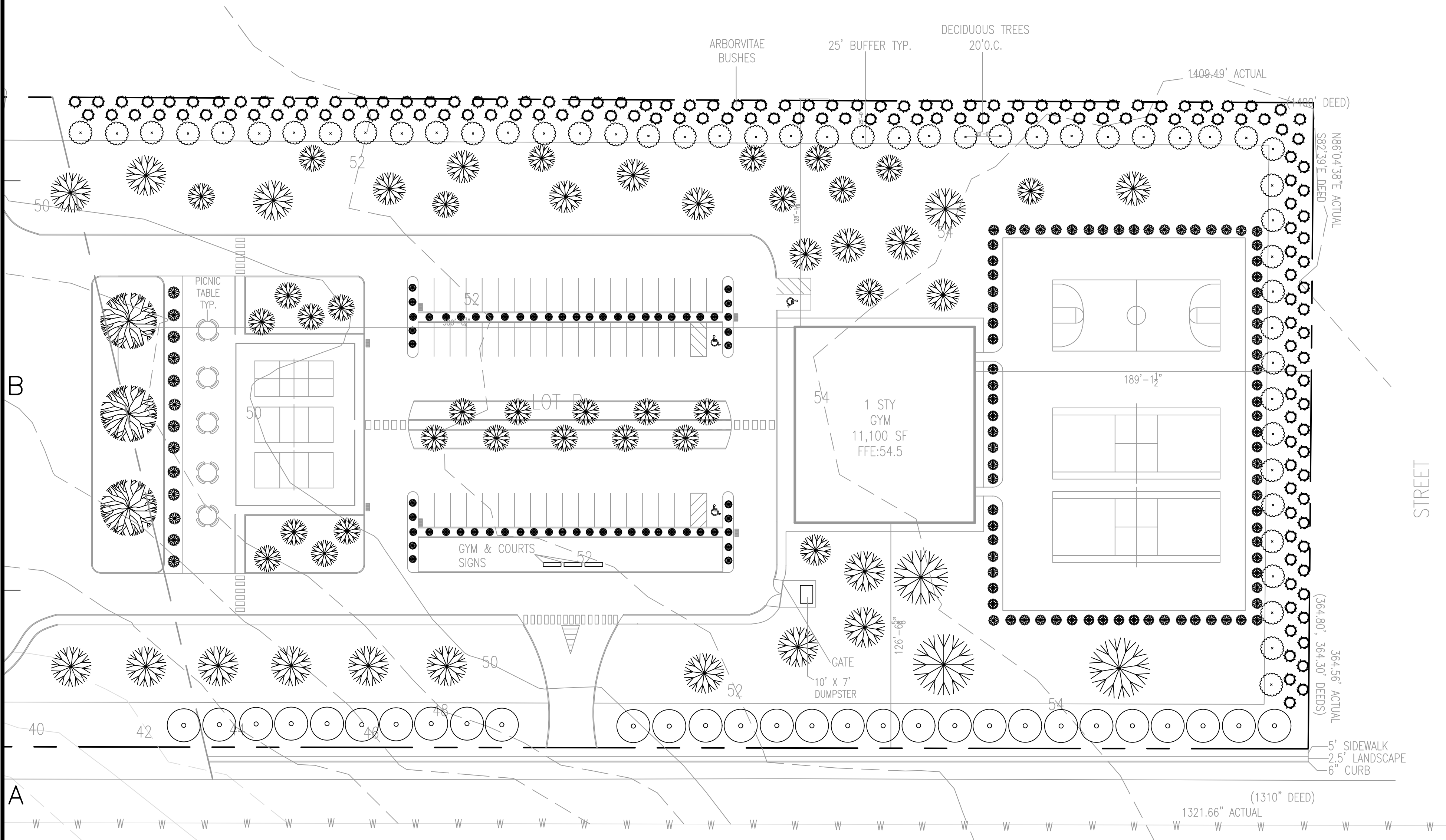
PLANTING DETAIL
SCALE:



TYPICAL PLANTED ISLAND
SCALE:



WHITEHALL PLAZA LANDSCAPED BERM SECTION
SCALE:



PROPOSED LANDSCAPE PLAN: SITE B
SCALE: 1"=40'-0"



CONSULTANTS

OWNER

SITE B
JAMES MCKEOUGH

COMMERCIAL PROJECT
PROFESSOR LOPICOLLO
406 ROBINSON AVE
EAST PATCHOGUE, NY

MARK DATE DESCRIPTION

PROJECT NO: 1
CAD DWG FILE: COMMERCIAL PROJECT.DWG
DRAWN BY: JAMES MCKEOUGH
CHK'D BY:
COPYRIGHT:

SHEET TITLE
DETAILS

C-07

SHEET SHEET INDEX OF TOTAL SHEETS

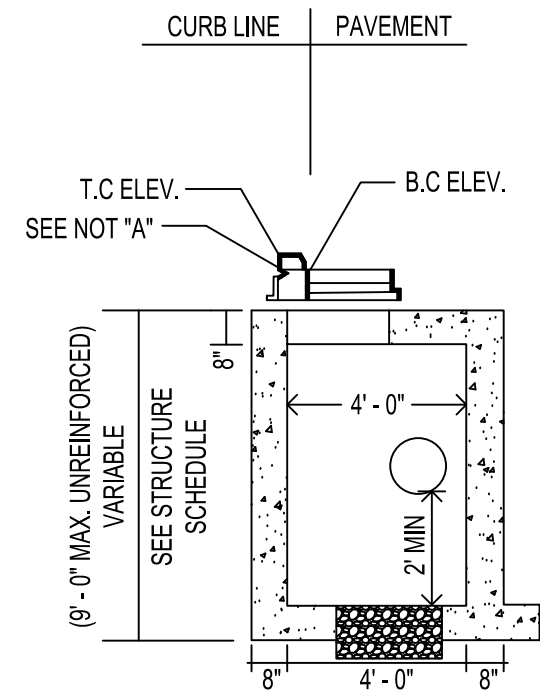
1

2

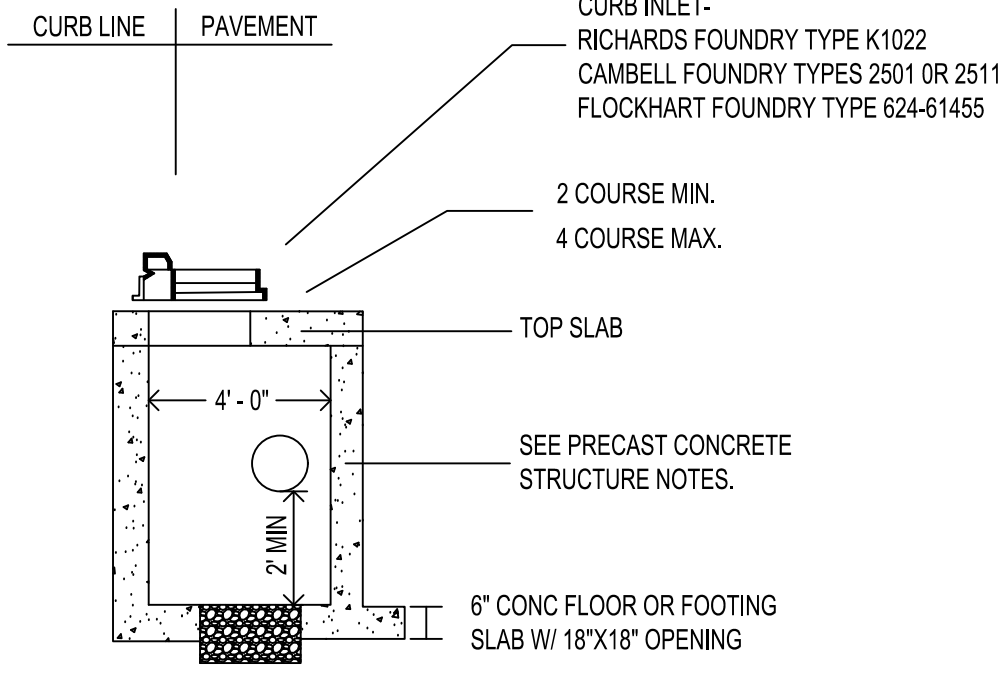
3

4

5

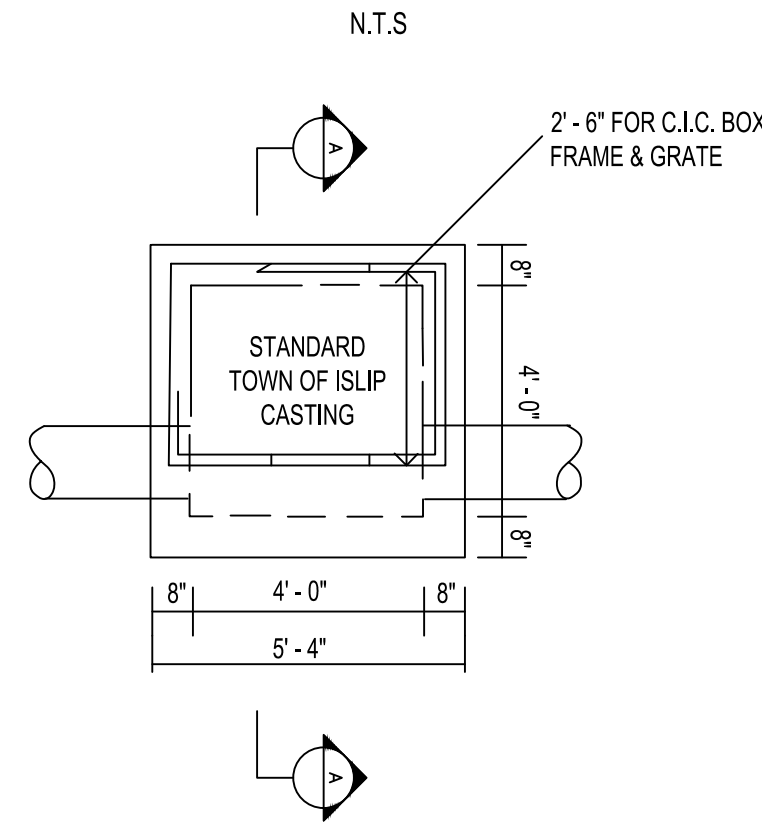


SECTION A - A
ALTERNATE



SECTION A - A

CATCH BASIN - ITEM 102 CB



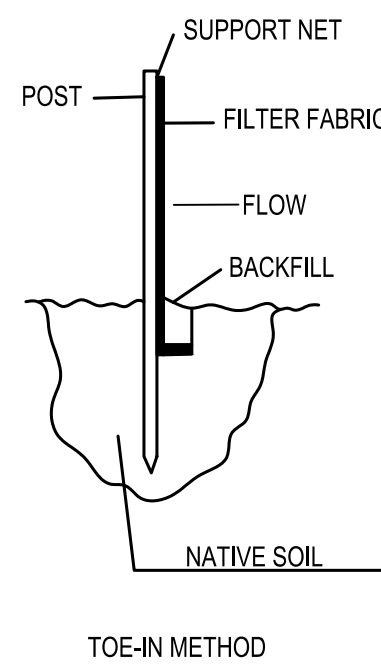
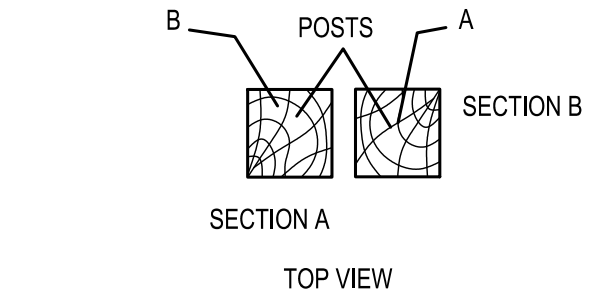
PLAN
CATCH BASIN
(WITH FLUSH CASTING)
ITEM 102 CB
FLOCKHART FOUNDRY TYPE-326D
CAMPBELL FOUNDRY TYPES-3403 & 3413

NOTE A:
CURB INLET-
RICHARDS FOUNDRY TYPE K1022
CAMPBELL FOUNDRY TYPES 2501 OR 2511
FLOCKHART FOUNDRY TYPE 624-61455

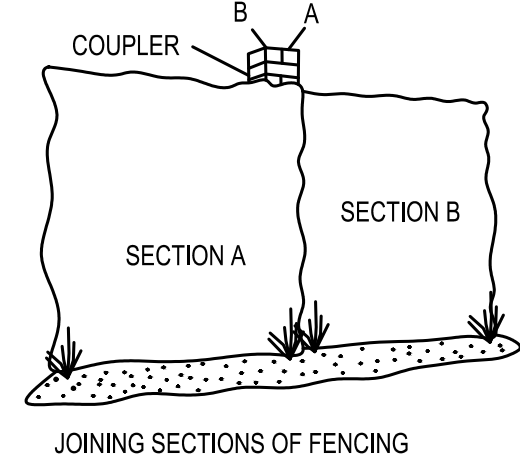
2 COURSE MIN.
4 COURSE MAX.

SEE PRECAST CONCRETE
STRUCTURE NOTES.

6" CONC FLOOR OR FOOTING
SLAB W/ 18"x18" OPENING

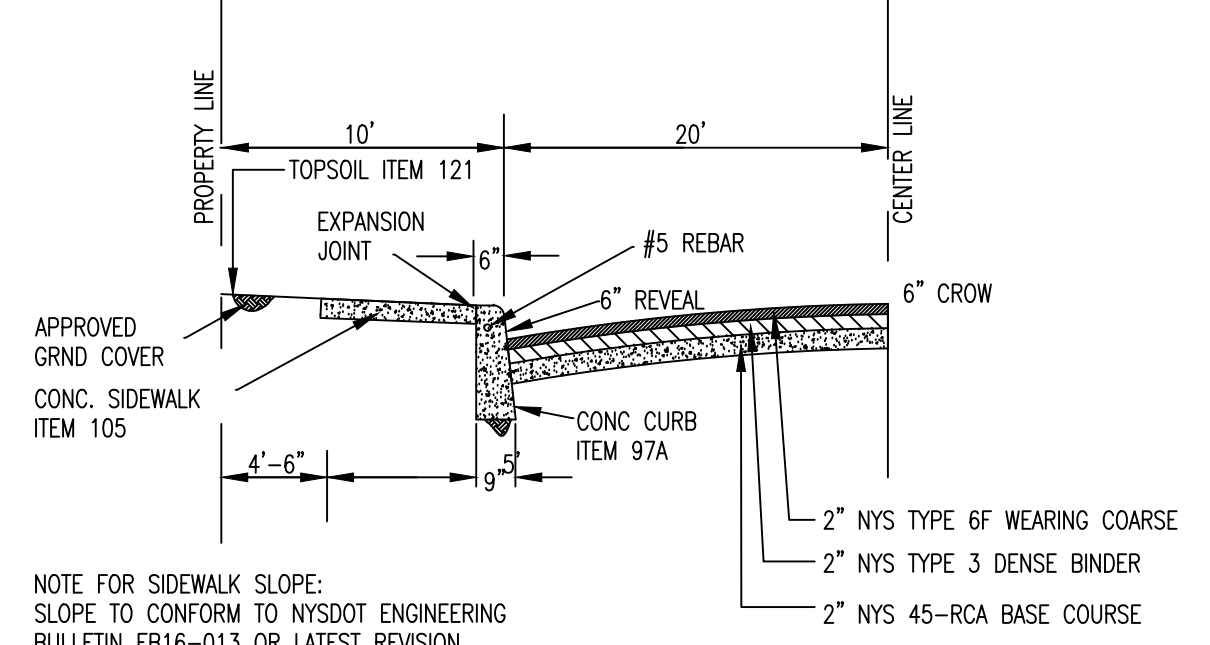


SILT FENCE
SCALE:



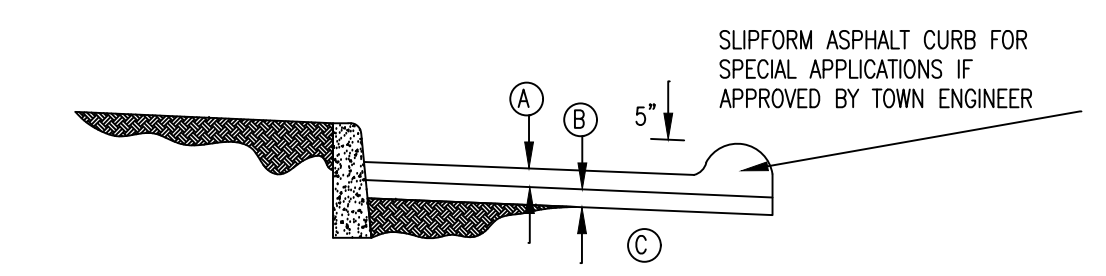
INSTALLATION NOTES:

- EXCAVATE A 4 INCH X 4 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE
- UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW).
- DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROX. 2 INCHES FROM THE TRENCH BOTTOM
- LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.
- JOIN SECTIONS AS SHOWN



NOTE FOR SIDEWALK SLOPE:
SLOPE TO CONFORM TO NYSOTD ENGINEERING
BULLETIN EB16-013 OR LATEST REVISION

INDUSTRIAL ROAD



STANDARD PARKING
A. 1/2" N.Y.S. TYPE 6F WEARING COURSE
B. 2" N.Y.S. TYPE 3 DENSE BINDER
C. 6" N.Y.S. 45-RCA BASE COURSE

ACCESS & LOADING AREAS
A. 2" N.Y.S. TYPE 6F WEARING COURSE
B. 4" N.Y.S. TYPE 3 DENSE BINDER
C. 6" N.Y.S. 45-RCA BASE COURSE

COMMERCIAL PARKING FIELD

- ALL CONCRETE TO BE 4000 P.S.I.
- FOR LOCATION OF CURB FROM PL. SEE STD. RD. SEC.
- STEEL FORMS OR EQUIV. SHALL BE USED.
- EXPANSION JOINTS 1/2" THICK 20' O.C. SHALL BE USED. EXPANSION JOINT IN SIDEWALK SHALL ALIGN WITH EXPANSION JOINT IN CURB
- ALL CONCRETE SHALL BE TAMPED IN PLACE. NO HONEYCOMB WILL BE ALLOWED. FINISH SHALL BE SMOOTH AND EVEN RUBBED WITH A WOOD FLOAT.
- ALL EDGES SHALL BE TOOL ROUNDED.
- CERTIFICATION REQUIRED FROM MANUFACTURER OF RECYCLED CONCRETE.
- TRUCK TRAVELED AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE INDUSTRIAL ROAD SPECIFICATION.
- CYLINDER TESTING AS REQUIRED PER TOWN ENGINEER
- EXPANSION JOINTS IN CURBS SHALL ALIGN WITH SIDEWALK EXPANSION JOINTS
- ALL THICKNESS STATED ARE MINIMUM THICKNESS
- FIELD COMPACTION OF ASPHALT SHALL BE 95% OF DESIGN DENSITY A LABORATORY SPECIMEN MADE IN THE PROPORTIONS OF THE JOB MIX FORMULA FOR EACH CLASS MIX COMPACTED BY 75 BLOWS ON EACH FACE OF A 1/2" THICK SPECIMEN BY A STANDARD MARSHALL HAMMER SHALL BE AS THE STANDARD FOR DENSITY COMPARISON.

FIGURE 2
SINGLE UNIT CONCRETE SEPTIC TANK

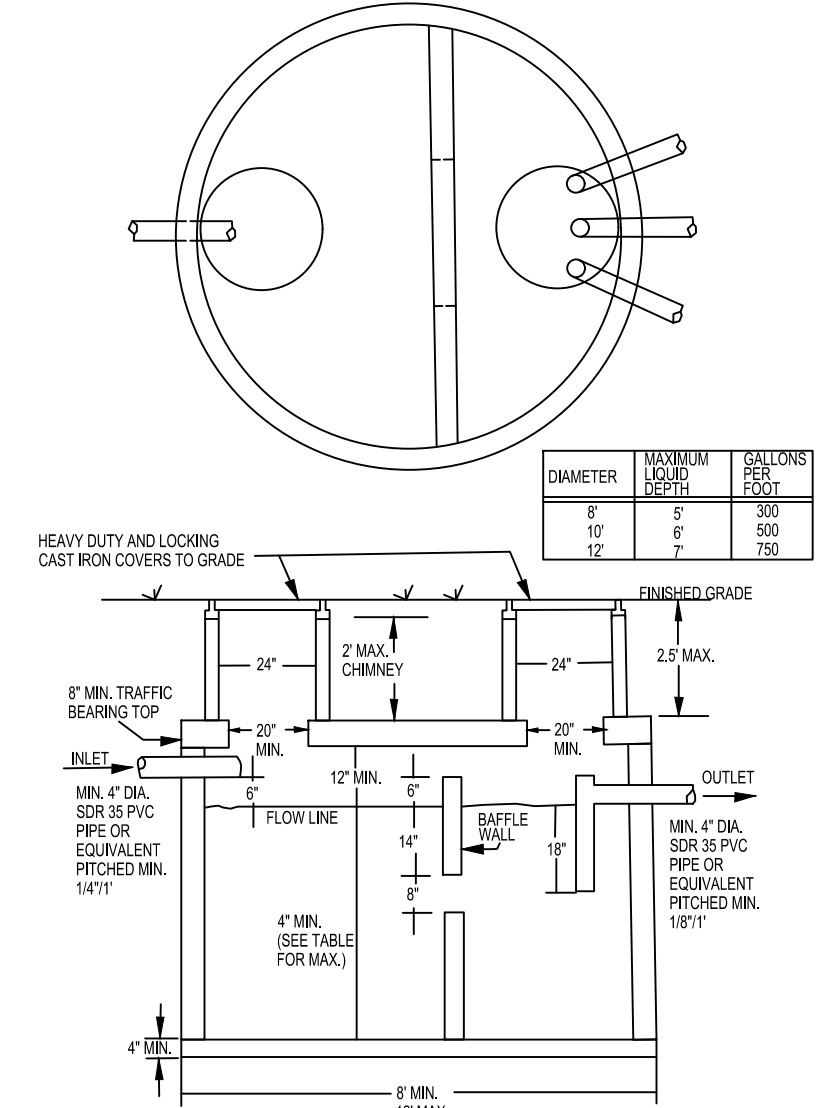
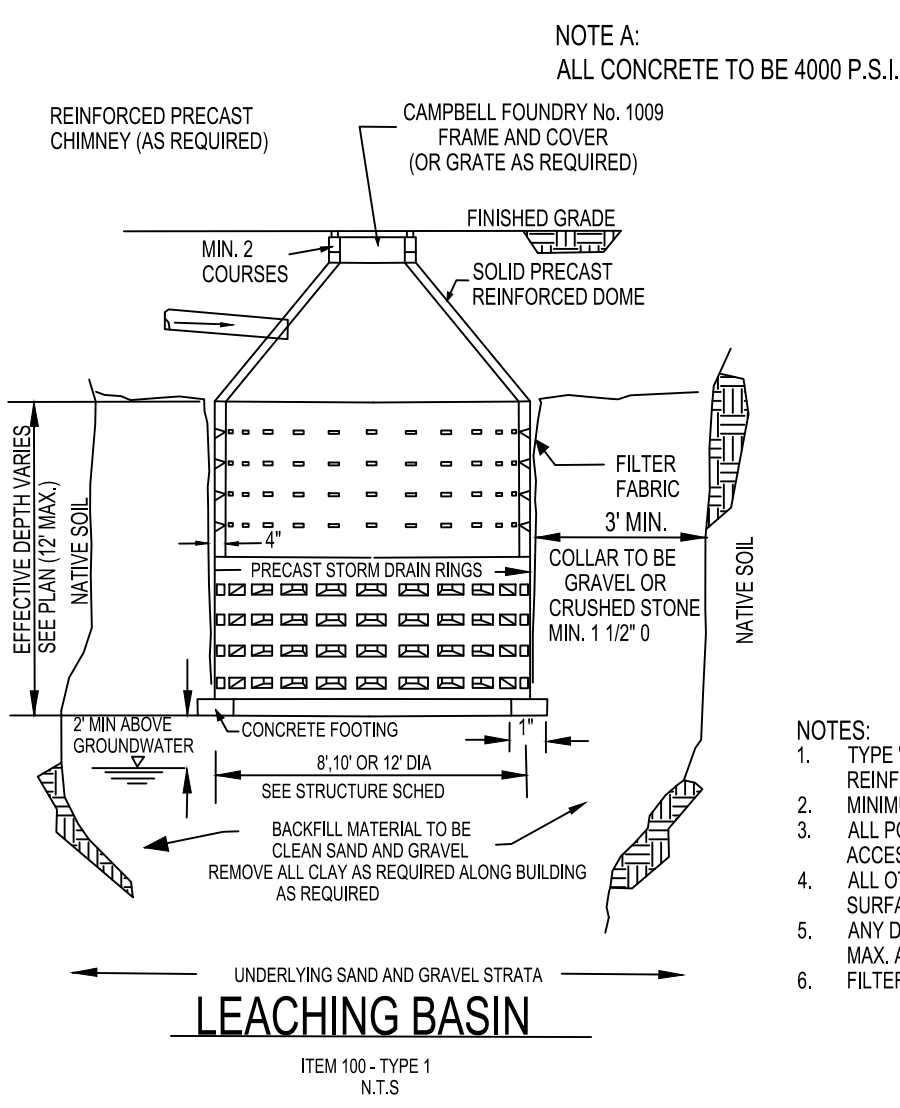
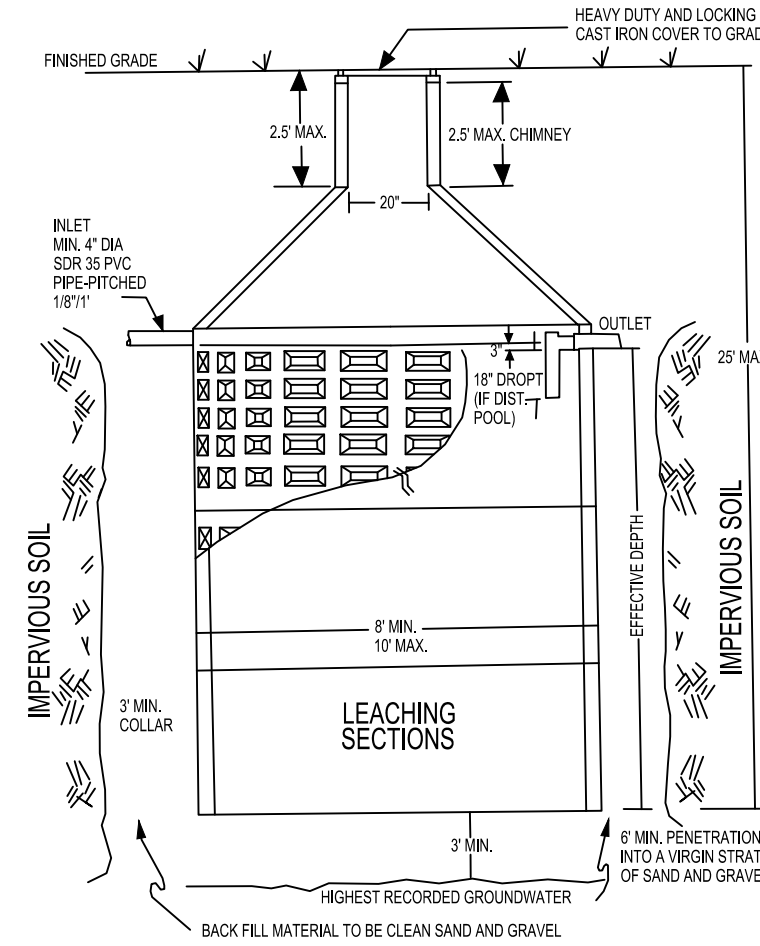
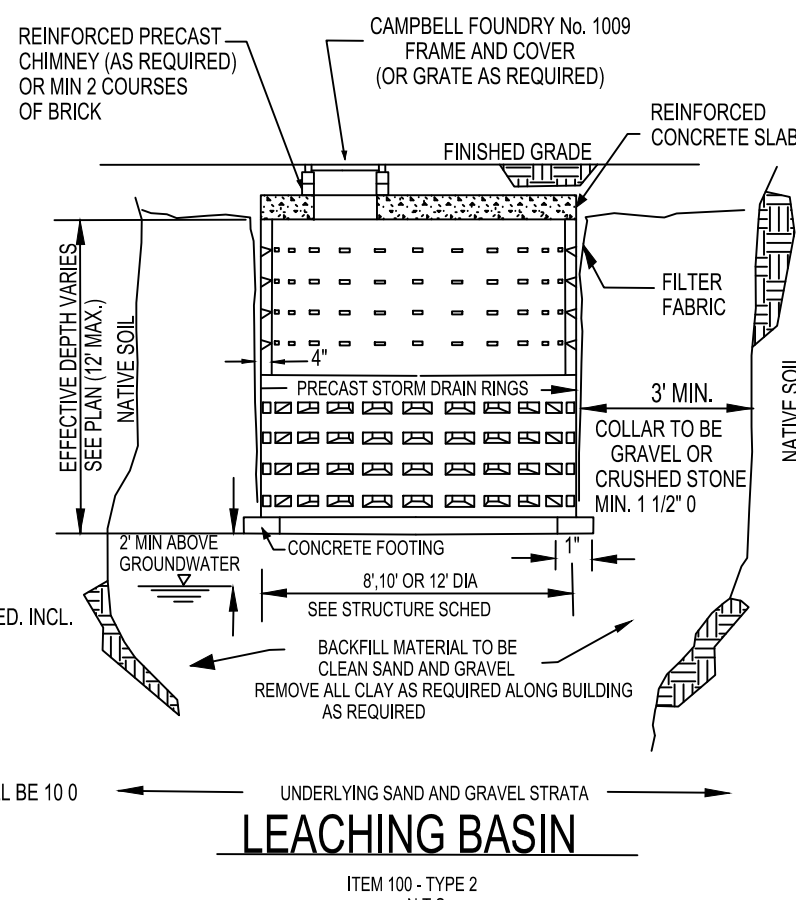


FIGURE 8
CONCRETE LEACHING POOL DESIGN AND CONSTRUCTION
DETAILS



LEACHING BASIN
ITEM 100 - TYPE 1
N.T.S.



LEACHING POOL
ITEM 100
N.T.S.

- NOTES:
- TYPE "2" POOL HEIGHT AND WIDTH OF SECTIONS AS REQUIRED INCLUDING CONCRETE FOOTING, REINFORCED CONCRETE SLAB AND MANHOLE COVER (WHEN BASIN IS SET TO FINISHED GRADE)
 - MINIMUM OF 10' BETWEEN POOLS.
 - ALL POOLS UNDER PAVEMENT TO HAVE SURFACE ACCESS.
 - ALL OTHER LEACHING POOLS TO HAVE POSITIVE SURFACE ACCESS.
 - ANY DRAINAGE STRUCTURES INSTALLED WITHIN R.O.W. SHALL BE 10.0 MAX. AND SHALL INCORPORATE FOOTING RING
 - FILTER FABRIC REQUIRED

CONSTRUCTION STANDARDS

LEACHING POOL
ITEM 100

1

2

3

4

5