

GENERAL NOTES:

1. CONTRACTOR TO VERIFY LOCATION, SIZE AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND LAKE ALL UTILITIES FIELD SURVEYORS TO OBTAIN ALL NECESSARY INFORMATION FOR MAINTAINING CONTINUOUS UTILITY SERVICE AND REPAIRS TO ANY DAMAGE.
3. ALL EXISTING, OFF-SITE PAYMENT, FENCES, CURBS, WALLS AND OTHER FACILITIES DISTURBED BY CONSTRUCTION SHALL BE RESTORED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.
4. EXISTING UTILITIES & STRUCTURES THAT ARE TO BE REMOVED AND/OR REPLACED SHALL BE REMOVED AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
5. PRODUCT SAFETY AND TRAFFIC MAINTENANCE ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
6. UTILITIES AND UTILITY STRUCTURES WHERE LOCATIONS ARE UNKNOWN MAY BE AFFECTED BY THE PROPOSED WORK UPON FINISHING SOME UTILITIES. THE CONTRACTOR SHALL MAINTAIN THE UTILITY RECORDS AND BE RESPONSIBLE FOR MAINTAINING THE UTILITIES IN WORKING ORDER UNTIL THEIR DISPOSITION IS RESOLVED.
7. CONTRACTOR TO COORDINATE WITH ALL COMPANIES TO ASSURE APPROPRIATE SCHEDULING AND SEQUENCING OF NEW SERVICE WHERE REQUIRED TO FIT THE CONSTRUCTION SCHEDULE, AND TO ASSURE NO DAMAGE OR DISTURBANCE TO COMPLETED WORK.
8. ALL NEW UTILITY SERVICE CONNECTIONS, INCLUDING LINES AND EQUIPMENT FOR PROVIDING POWER AND/OR COMMUNICATIONS, ARE TO BE INSTALLED UNDERGROUND.
9. THE EXTENT OF THE CONSTRUCTION AND DISTURBANCE AREAS SHALL BE THE MINIMUM AREAS AS POSSIBLE.
10. ALL NEW STORM DRAINAGE PIPING TO BE SMOOTH BORE CORRUGATED HDPE DENSITY POLYETHYLENE (HDPE) UNLESS OTHERWISE SPECIFIED.
11. ROOF LEACHERS WHERE REQUIRED TO BE 6" DIA. SDR 35 PVC PIPE AND WILL OUTLET TO DOWNSPOUTS ADJACENT TO THE PROPOSED BUILDINGS.
12. ALL NEW WATER MAINS AND RELATED APPURTENANCES TO BE SPECIFIED BY ARCHITECTS MECHANICAL ENGINEER.
13. ALL SANITARY LEACH CONNECTIONS TO BE 6" DIA. CAST IRON WITH A MINIMUM GRADE OF 2% TO THE FIRST CLEAN OUT OUTSIDE THE BUILDING. BEYOND THE FIRST CLEAN OUT, SDR 35 PVC PIPE MAY BE USED IN LIEU OF CAST IRON.
14. ANY SUBSTITUTIONS TO BE REQUESTED IN WRITING AND APPROVED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.
15. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS WITH RECORDS TO DEMOLITION AND CONSTRUCTION OF EXISTING STRUCTURES.
16. ANY EXISTING LEACH CONNECTION PROPOSED TO BE ABANDONED MUST BE PLUGGED WITH AN APPROVED LEACH PLUG. THE GROUND LINE WITH A FORTHWENT MATERIAL PLUG OR CAP ENCASED IN CONCRETE.
17. ALL NEW FINISHED FLOOR CONCRETE FINISH AT BUILDING WALLS IS LESS THAN 1.5" BELOW THE FINISHED FLOOR CONSOLE WITH AN ADJUSTMENT FOR GRADIENTS IN FOUNDATION AND SILL DESIGN.
18. CONTRACTOR TO OBTAIN AND SUBMIT SHOP DRAWINGS FOR ALL STRUCTURES TO DESIGN ENGINEER FOR REVIEW AND APPROVAL BEFORE MANUFACTURING.
19. RETAINING WALLS SHALL BE LESS THAN 4 FEET IN HEIGHT. RETAINING WALLS MORE THAN 4 FEET IN HEIGHT ARE REQUIRED TO BE DESIGNED BY A CERTIFIED STRUCTURAL ENGINEER.
20. THE EXISTING WELL IS TO BE DECOMMISSIONED IN ACCORDANCE WITH ARTICLE 11 OF THE PROVISIONS GOVERNING CONSTRUCTION OF WELLS IN SECTION 24-100 OF THE GENERAL CODE OF A CERTIFICATE OF OCCUPANCY.

WATER MAIN SAFETY NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATER MAIN EVERY EFFORT.
2. EXISTING TARGET BLOCKS ARE NOT TO BE REMOVED UNLESS THE WATER MAIN HAS BEEN PROPERLY RESTRAINED USING MEANS ACCEPTABLE TO THE LOCAL WATER COMPANY OR DEPARTMENT.
3. WHEN POSSIBLE A WATER MAIN SHOULD BE TURNED OFF AND PRESSURE RELIEVED BEFORE OPENING MAIN.

LEGEND	
EXISTING/PROPOSED ITEMS	
—	PROPERTY LINE
—	SANITARY SEWER
—	SAN. SEWER MANHOLE
—	SEWER SERVICE
—	CLEAN-OUT
—	WATER MAIN
—	WATER SERVICE
—	WATER VALVE
—	WATER MAIN
—	CAS SERVICE
—	CAS VALVE
—	DRAIN PIPE
—	DRAINAGE MANHOLE
—	CATCH BASIN
—	UTILITY POLE
—	TELEPHONE ELECTRIC
—	OVERHEAD ELECTRIC
—	IG CONTIGUR INTERVAL
—	Z CONTIGUR INTERVAL
—	SHOT GRADE
—	WALL & CURB ELEV.



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 NEW YORK
 1-800-942-7942

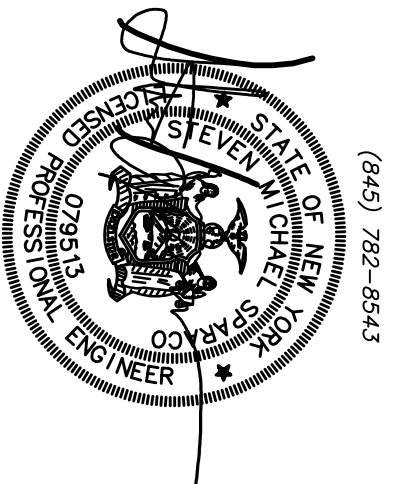
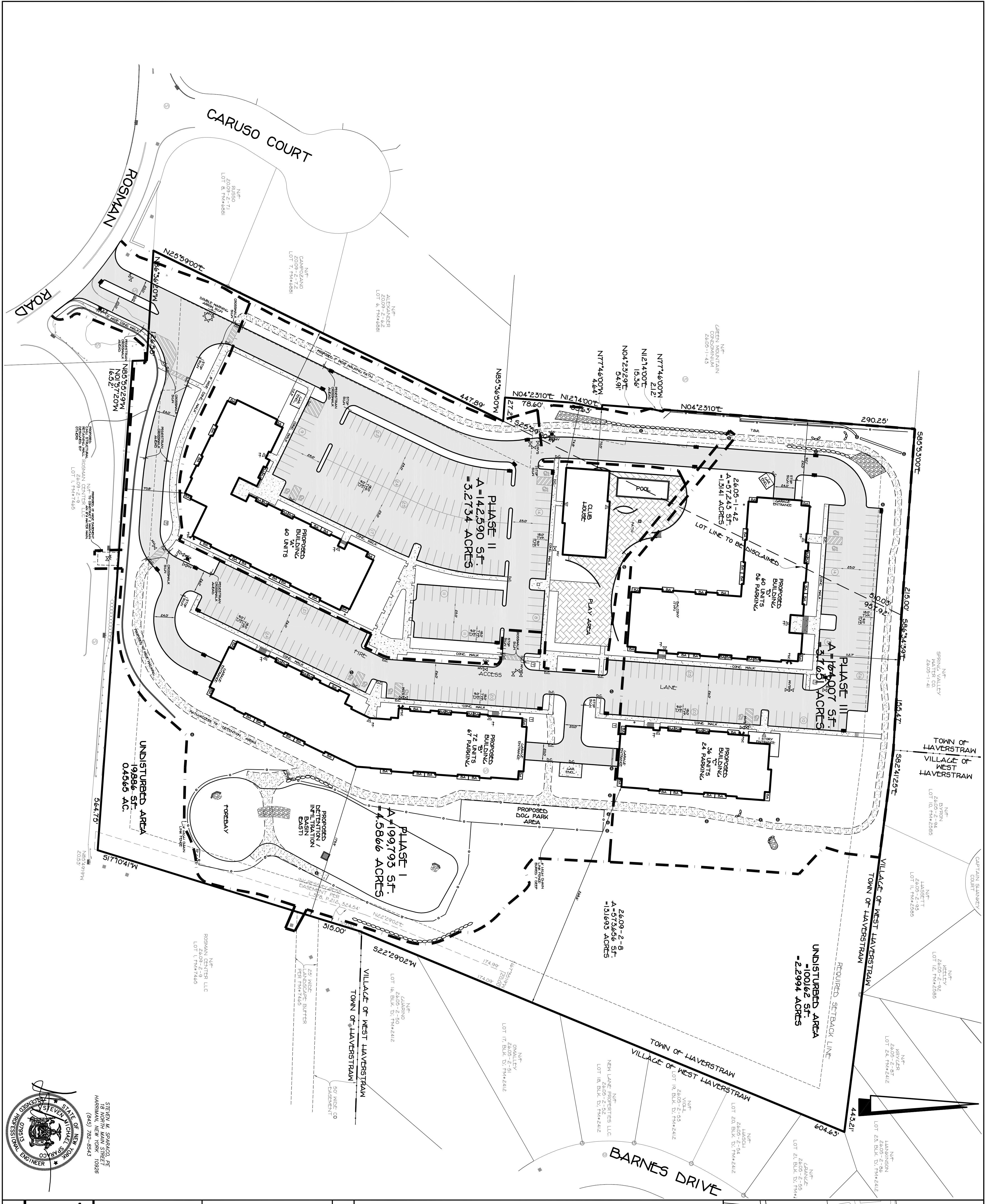


SPARACO & YOUNGBLOOD, PLLC
 CIVIL ENGINEERING & LAND SURVEYING
 18 NORTH MAIN STREET
 SUITE 200
 LARGENTON, NY 10943
 TEL: (845) 792-5943
 FAX: (845) 792-5900
 WWW.SPACOBLO.COM

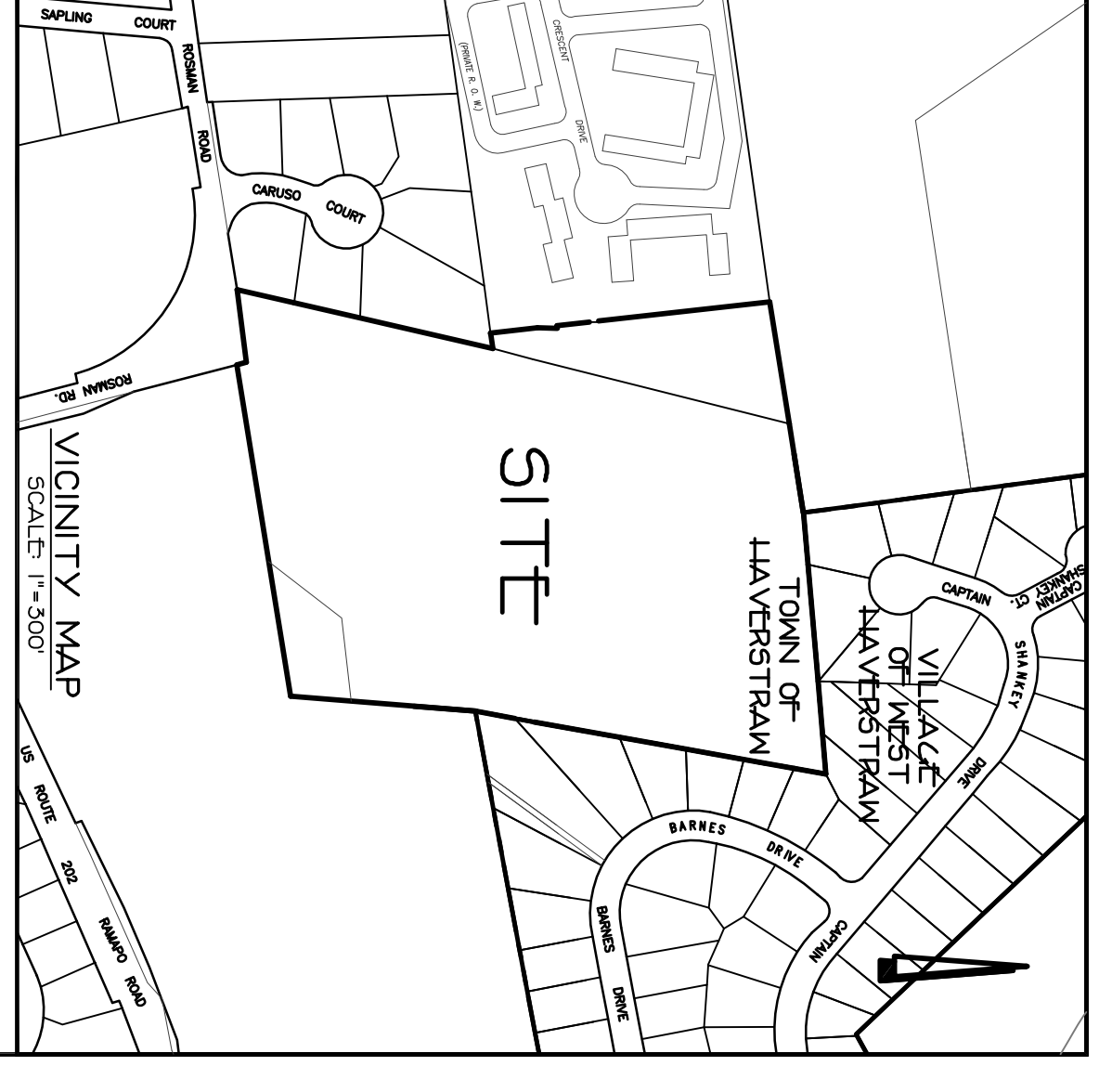
OVERALL GRADING & UTILITY PLAN
 FOR
OAK TREE APARTMENTS
 LOCATED IN
 TOWN OF HAVERSTRAM
 ROCKLAND COUNTY, NEW YORK



DATE	APR. 19, 2021
SCALE	1"=50'
FILE	5Y-1895
DWG	2 OF 17



STEVEN M. SPARACO, PE
 18 NORTH MAIN STREET
 HAVERTOWN, NY 10926
 (845) 392-8643



REVISIONS

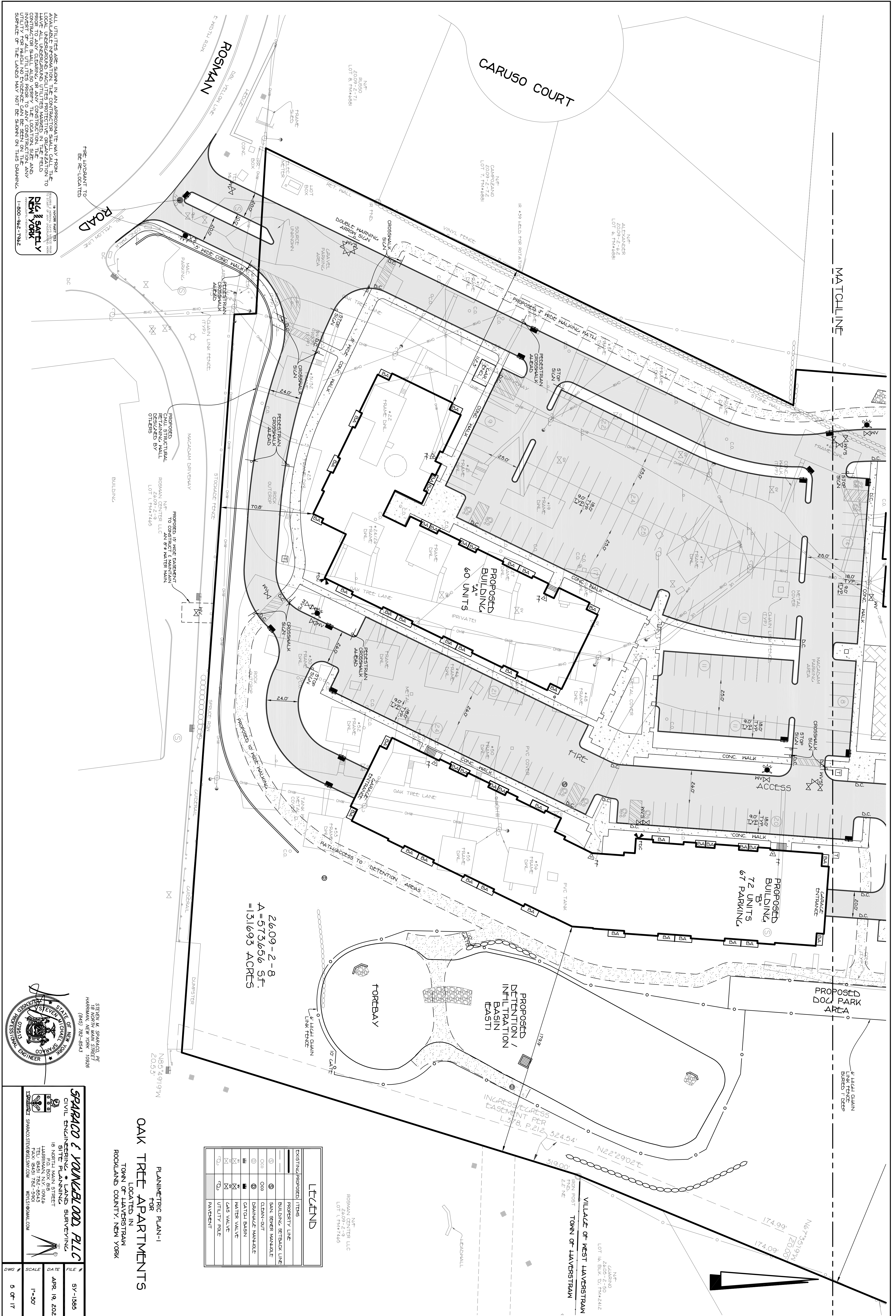
NO.	DATE	DESCRIPTION

PLANNING PLAN
 FOR
OAK TREE APARTMENTS
 LOCATED IN
 TOWN OF HAVERSTRAY
 ROCKLAND COUNTY, NEW YORK

GRAPHIC SCALE
 0 50 100 150
 50' 100' 150'

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FILE	DATE	SCALE
5Y-1385	APR. 19, 2021	1"=50'
DWG		4 OF 17

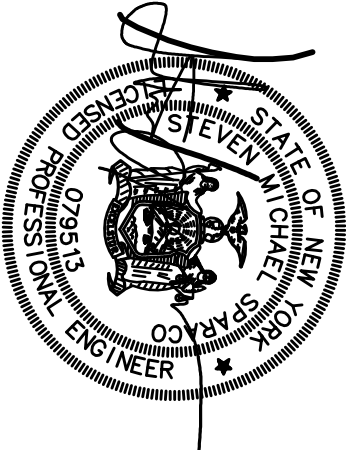


26.09-2-8
A=573,656 SF.
=13.1693 ACRES

LEGEND	
⊙	EXISTING/PROPOSED ITEMS
—	PROPERTY LINE
—	BUILDING SETBACK LINE
—	SALE SCHEM MARKABLE
○	CLEAN-OUT
⊖	DRAINAGE MANHOLE
⊕	CATCH BASIN
⊗	WATER VALVE
⊘	GAS VALVE
⊙	UTILITY POLE
⊙	PAVEMENT

PLANIMETRIC PLAN-1
FOR
OAK TREE APARTMENTS
LOCATED IN
TOWN OF HAVRESTRAM
ROCKLAND COUNTY, NEW YORK

STEVEN M. SPARACO, P.E.
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HARRISVILLE, NY 10928
(845) 782-5843

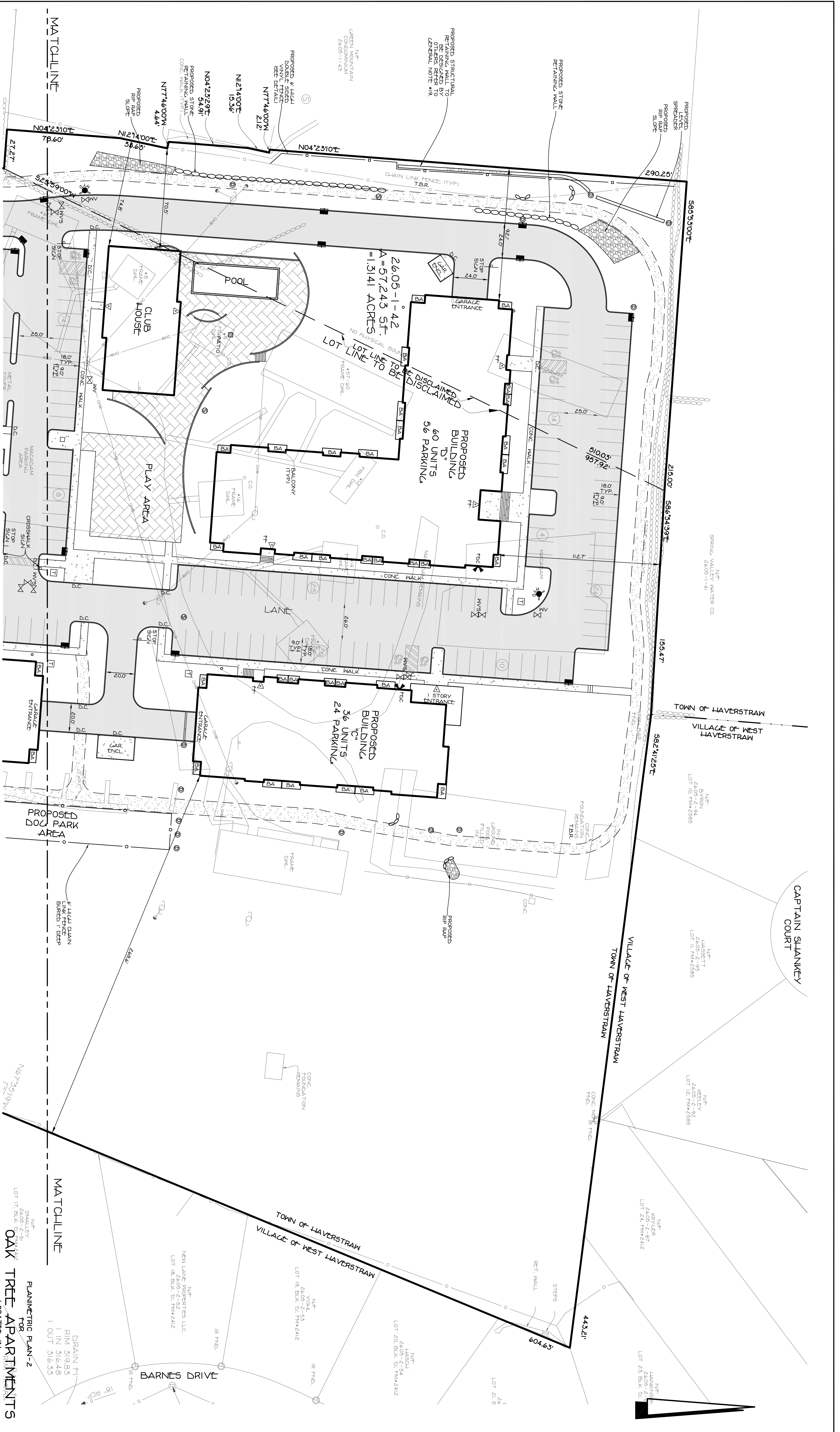


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FAX: (845) 782-5900
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DATE	SCALE	FILE
APR. 19, 2021	1"=30'	5Y-1385
DWG	SCALE	5 OF 17

ALL UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER FROM FIELD SURVEY. THE CLIENT SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE LOCATION, SIZE AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. THE SURFACE OF THE LANDS MAY NOT BE SHOWN ON THIS DRAWING.

DIG & SATTEL
NEW YORK
1-800-942-7782



ALL UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER FROM THE LOCAL UNDERGROUND UTILITIES PROTECTIVE ORGANIZATION TO HAVE ALL UNDERGROUND UTILITIES MARKED IN THE FIELD. CONTRACTOR SHALL ALSO VERIFY THE LOCATION, SIZE AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION AND SURFACE OF THE LANDS MAY NOT BE SHOWN ON THIS DRAWING.

18 WORKSHEET 723
 18 WORKSHEET 724
 18 WORKSHEET 725
D&Y SAFETY
NEW YORK
 1-800-942-7942

LEGEND	
(---)	EXISTING/PROPOSED ITEMS
(---)	PROPERTY LINE
(---)	BUILDING SETBACK LINE
(---)	RAIN SINKER MANHOLE
(---)	CLEAN-OUT
(---)	DRAINAGE MANHOLE
(---)	CATCH BASIN
(---)	WATER VALVE
(---)	GAS VALVE
(---)	UTILITY POLE
(---)	PAVEMENT

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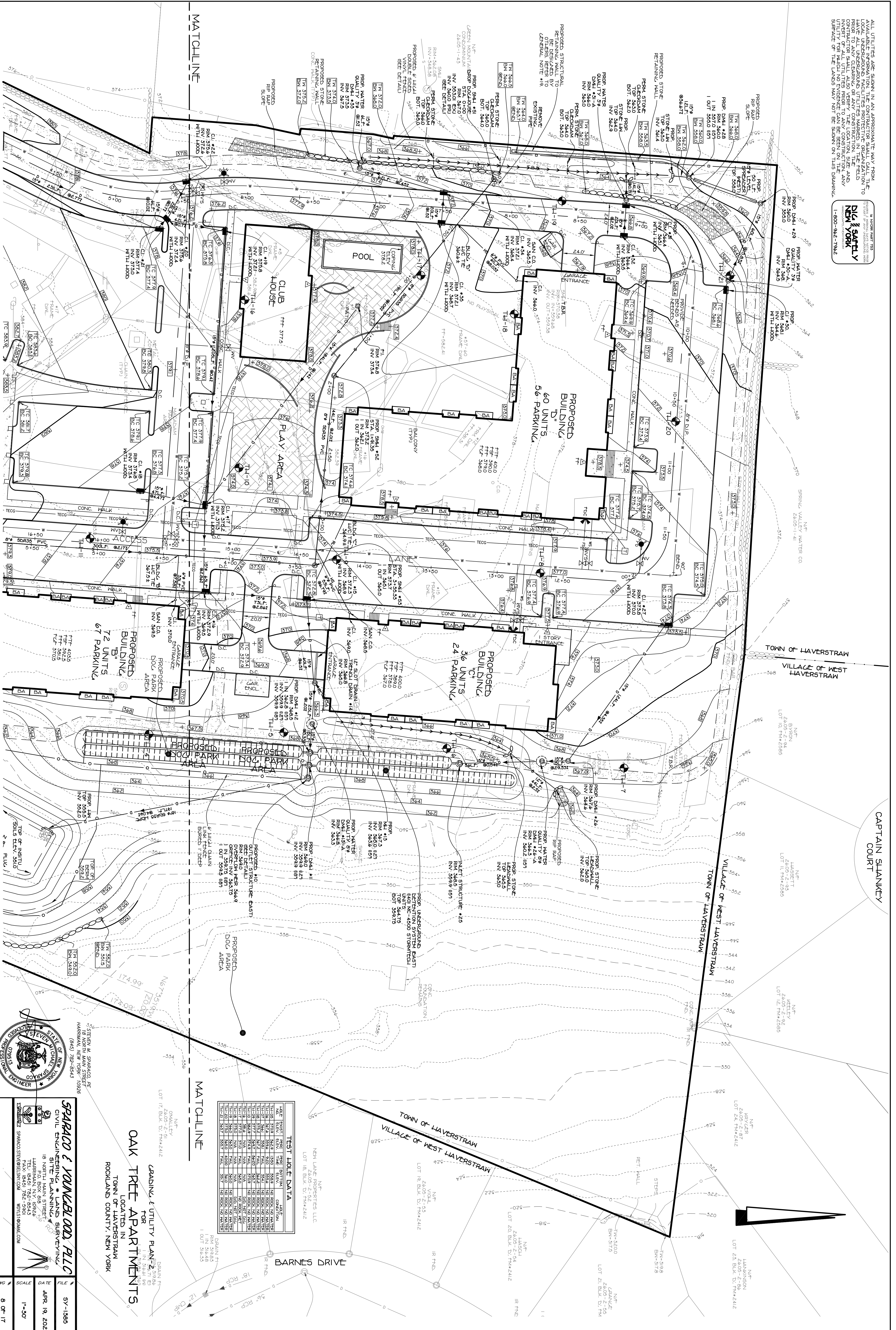
SPARACO & YOUNGBLOND, PLLC
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 TEL: (943) 782-4843
 FAX: (943) 782-5900
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APR 19, 2021
 SCALE: 1"=30'
 DWG: 6-01-17

SY-1385

ALL UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER FROM LOCAL UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION TO HAVE ALL UNDERGROUND UTILITIES MARKED IN THE FIELD. CONTRACTOR SHALL ALSO VERIFY THE LOCATION, SIZE AND INVERT OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. ANY SURFACE OF THE LANDS MAY NOT BE SHOWN ON THIS DRAWING.

NEW YORK STATE
REGISTERED PROFESSIONAL ENGINEER
NO. 13000
1-800-462-7962



TEST HOLE DATA

NO.	ELEV.	DEPTH	DATE	TESTER	REMARKS
1	372.0	10.0	10/15/18	J. SPARACO	NO ROCK NO WATER
2	371.5	15.0	10/15/18	J. SPARACO	NO ROCK NO WATER
3	371.0	20.0	10/15/18	J. SPARACO	NO ROCK NO WATER
4	370.5	25.0	10/15/18	J. SPARACO	NO ROCK NO WATER
5	370.0	30.0	10/15/18	J. SPARACO	NO ROCK NO WATER
6	369.5	35.0	10/15/18	J. SPARACO	NO ROCK NO WATER
7	369.0	40.0	10/15/18	J. SPARACO	NO ROCK NO WATER
8	368.5	45.0	10/15/18	J. SPARACO	NO ROCK NO WATER
9	368.0	50.0	10/15/18	J. SPARACO	NO ROCK NO WATER
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13	366.0	70.0	10/15/18	J. SPARACO	NO ROCK NO WATER
14	365.5	75.0	10/15/18	J. SPARACO	NO ROCK NO WATER
15	365.0	80.0	10/15/18	J. SPARACO	NO ROCK NO WATER
16	364.5	85.0	10/15/18	J. SPARACO	NO ROCK NO WATER
17	364.0	90.0	10/15/18	J. SPARACO	NO ROCK NO WATER
18	363.5	95.0	10/15/18	J. SPARACO	NO ROCK NO WATER
19	363.0	100.0	10/15/18	J. SPARACO	NO ROCK NO WATER
20	362.5	105.0	10/15/18	J. SPARACO	NO ROCK NO WATER
21	362.0	110.0	10/15/18	J. SPARACO	NO ROCK NO WATER
22	361.5	115.0	10/15/18	J. SPARACO	NO ROCK NO WATER
23	361.0	120.0	10/15/18	J. SPARACO	NO ROCK NO WATER
24	360.5	125.0	10/15/18	J. SPARACO	NO ROCK NO WATER
25	360.0	130.0	10/15/18	J. SPARACO	NO ROCK NO WATER
26	359.5	135.0	10/15/18	J. SPARACO	NO ROCK NO WATER
27	359.0	140.0	10/15/18	J. SPARACO	NO ROCK NO WATER
28	358.5	145.0	10/15/18	J. SPARACO	NO ROCK NO WATER
29	358.0	150.0	10/15/18	J. SPARACO	NO ROCK NO WATER
30	357.5	155.0	10/15/18	J. SPARACO	NO ROCK NO WATER



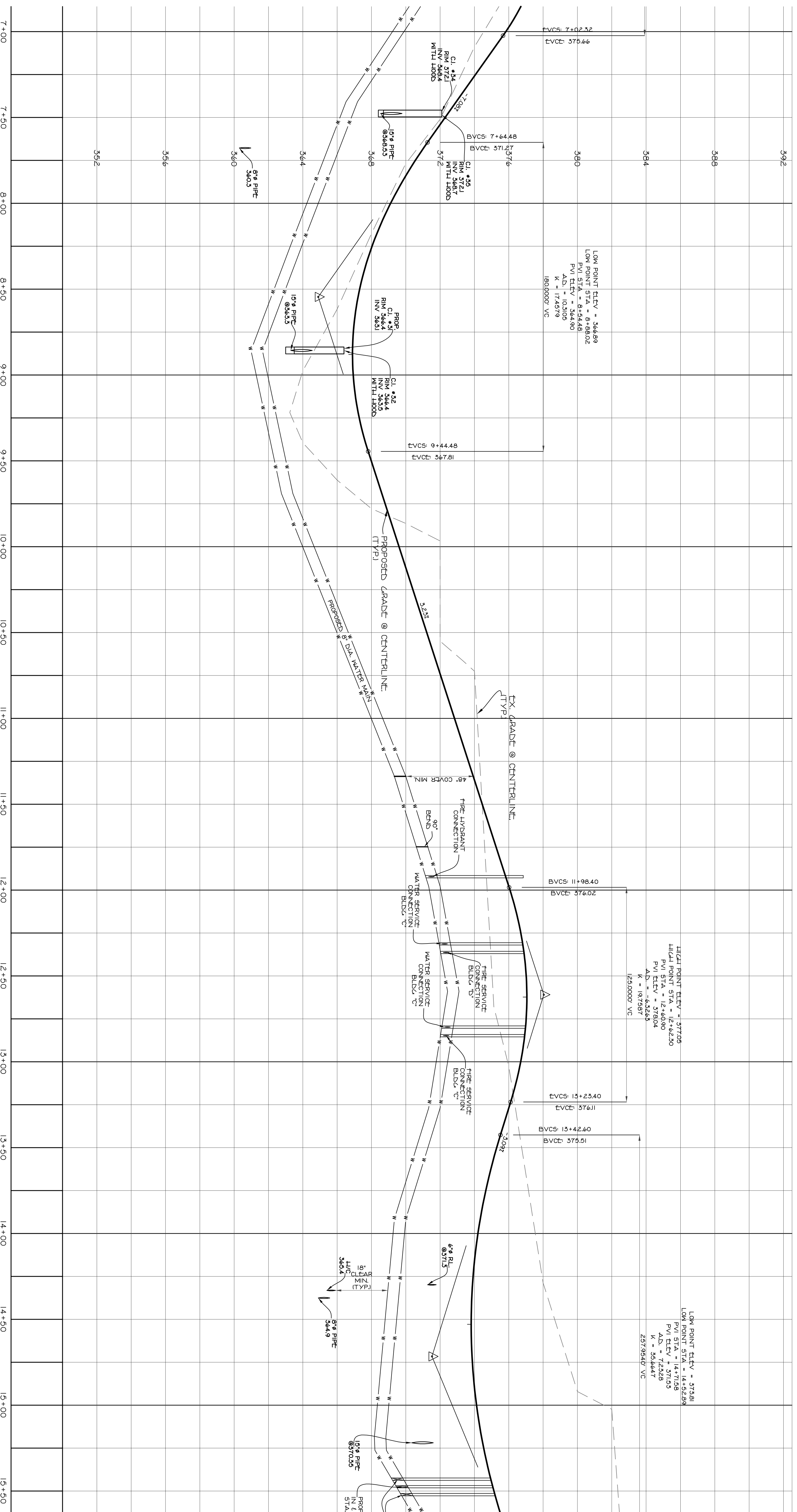
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OAK TREE APARTMENTS
 LOCATED IN
 TOWN OF HAVERSTRAW
 ROCKLAND COUNTY, NEW YORK

GRADING & UTILITY PLAN 2
 TOR
 5Y-1895

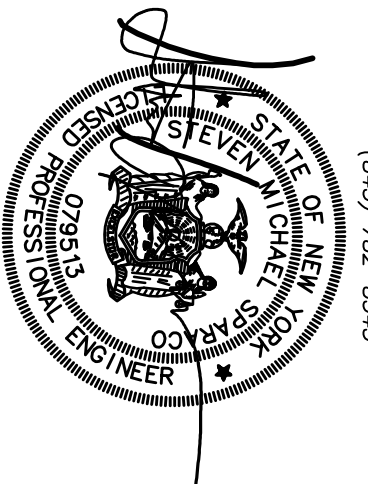
DATE: APR. 19, 2021
 SCALE: 1"=30'
 FILE: 5Y-1895
 SHEET: 9 OF 17



ROAD PROFILE STA: 7+50 TO 15+00
 SCALE: H-1"=30' V-1"=3'

ROAD & WATER PROFILE-2
 FOR
 OAK TREE APARTMENTS
 LOCATED IN
 TOWN OF HAVERSTRAW
 ROCKLAND COUNTY, NEW YORK

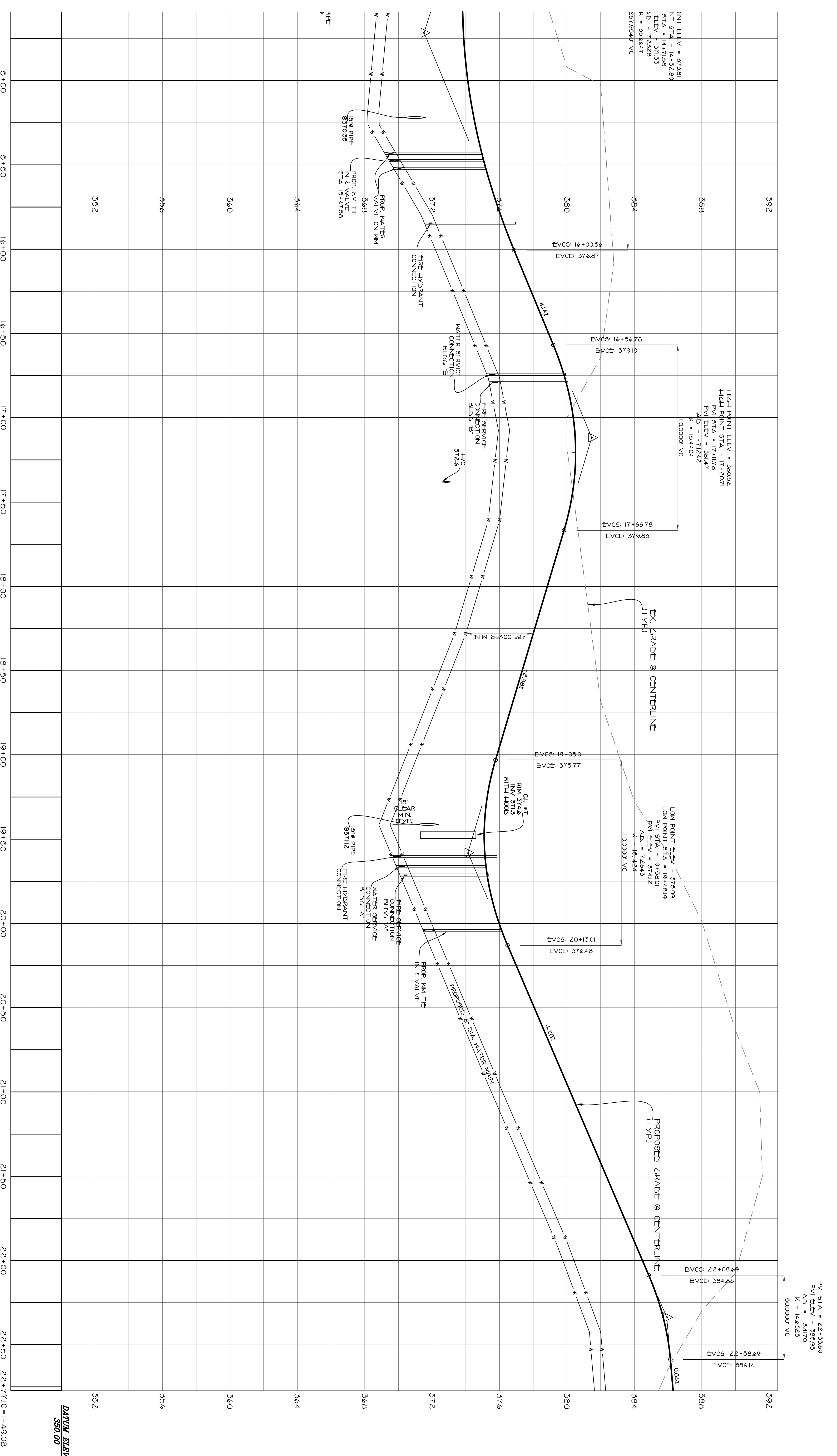
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 & SITE PLANNING
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FILE	5Y-1585
DATE	APR. 19, 2021
SCALE	1"=30'
DWG #	10 OF 17

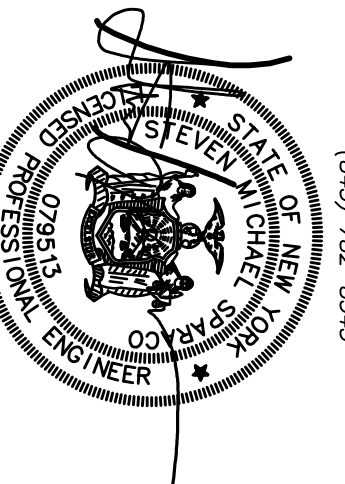
ALL UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER FROM LOCAL UNDERGROUND UTILITIES PROTECTIVE ORGANIZATION TO HAVE ALL UNDERGROUND UTILITIES MARKED IN THE FIELD PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY THE LOCATION, SIZE AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. ANY SURFACE OF THE LANDS MAY NOT BE SHOWN ON THIS DRAWING.
 18 NORTH MAIN ST
 HAVERTRAW, NY 10928
SPARACO & YOUNGBLOND, PLLC
 CIVIL ENGINEERING & LAND SURVEYING & SITE PLANNING
 1-800-942-7782



ROAD PROFILE STA. 15+00 TO 22+77.10
SCALE: H-1"=50' V-1"=5'

ROAD & WATER PROFILE-3
FOR
OAK TREE APARTMENTS
LOCATED IN
TOWN OF HAVENSTRAM
ROCKLAND COUNTY, NEW YORK

STEVEN M. SPARACO, PE
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(845) 782-8543

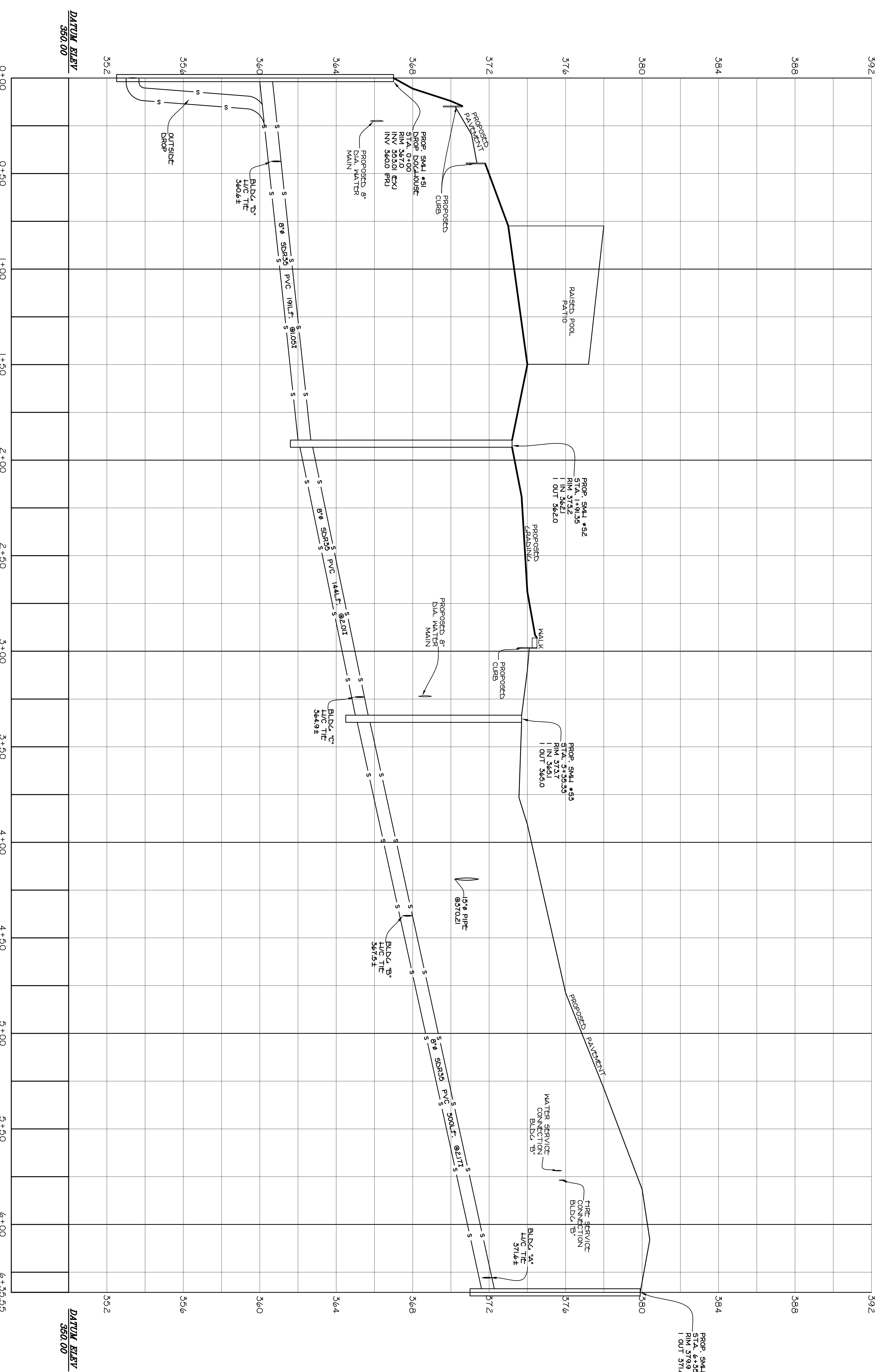


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FAX: (845) 782-5300
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DATE: APR. 19, 2021
SCALE: 1"=30'
DWG #: 11 07-17

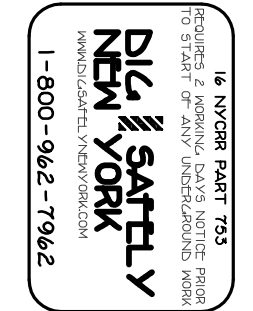
ALL UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER FROM LOCAL UNDERGROUND UTILITIES MARKERS IN THE FIELD. CONTRACTOR SHALL VERIFY THE LOCATION, SIZE AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. ANY SURFACE OF THE LANDS MAY NOT BE SHOWN ON THIS DRAWING.

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SEWER PROFILE STA: 0+00 TO 6+35.55
SCALE: H-1"=50', V-1"=3'

ALL UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER FROM THE SURFACE. THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH, AND SIZE OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. ANY INVERT OF ALL UTILITIES SHALL ALSO VERIFY THE LOCATION, SIZE AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. ANY SURFACE OF THE LANDS MAY NOT BE SHOWN ON THIS DRAWING.

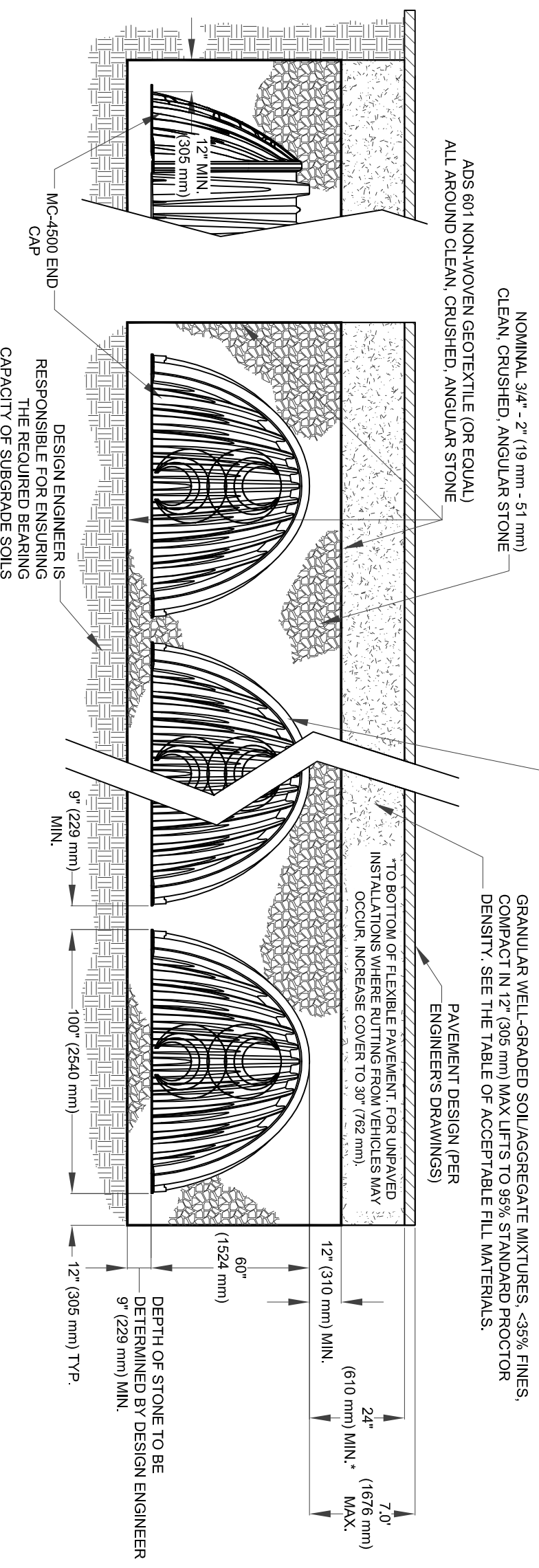


SEWER PROFILE
FOR
OAK TREE APARTMENTS
LOCATED IN
TOWN OF HAVERSTRAM
ROCKLAND COUNTY, NEW YORK

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FILE	5Y-1385
DATE	APR. 14, 2021
SCALE	1"=30'
DWG #	12 OF 17

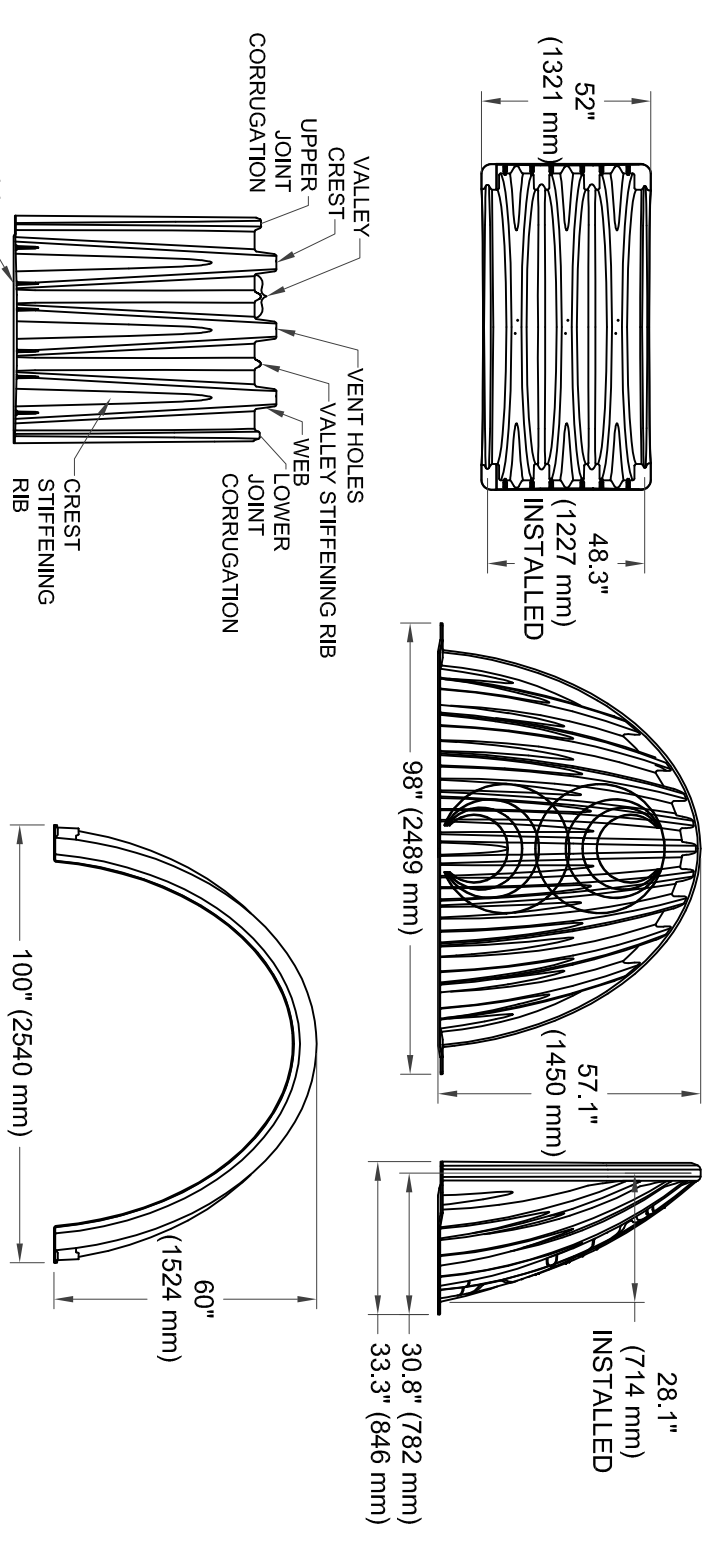
CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2787 STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED VALU STORMWATER COLLECTION CHAMBERS.



THE INSTALLED CHAMBER SYSTEM SHALL PROVIDE THE LOAD FACTORS SPECIFIED IN THE ASPHALT URD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12 FOR EARTH AND LIVE LOADS, WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.

STORMTECH MC-4500 CROSS-SECTION

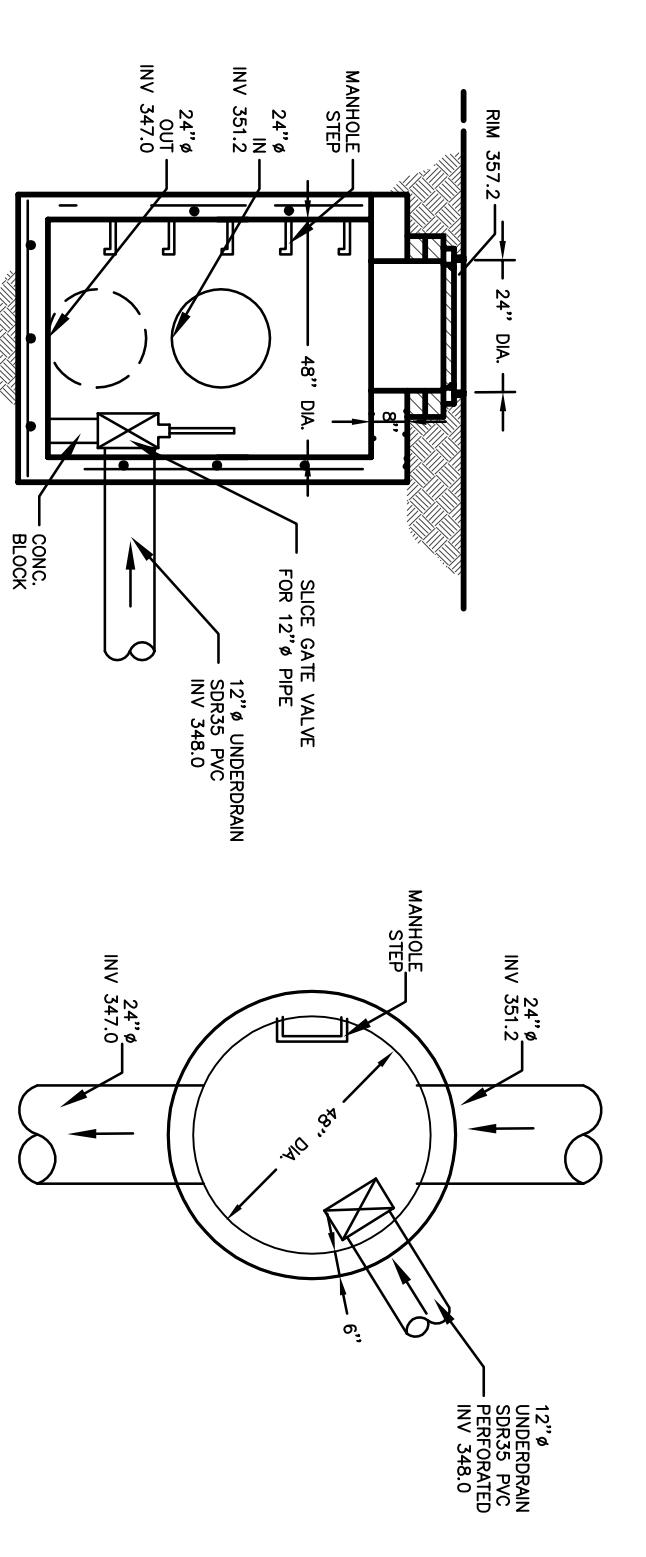
N.T.S.



NOMINAL CHAMBER SPECIFICATIONS
 SIZE (W X L X INSTALLED HEIGHT)
 100.0" x 60.0" x 48.3" (2540 mm x 1524 mm x 1227 mm)
 CHAMBER STORAGE
 106.5 ft³ (3.01 m³)
 MINIMUM INSTALLED STORAGE
 162.6 ft³ (4.60 m³)
 NOMINAL WEIGHT
 128 lbs (58 kg)
NOMINAL END CAP SPECIFICATIONS
 SIZE (W X H X INSTALLED LENGTH)
 98.0" x 57.1" x 28.1" (2489 mm x 1450 mm x 714 mm)
 END CAP STORAGE
 68.8 ft³ (0.76 m³)
 MINIMUM INSTALLED STORAGE
 80 lbs (36 kg)
 NOMINAL WEIGHT

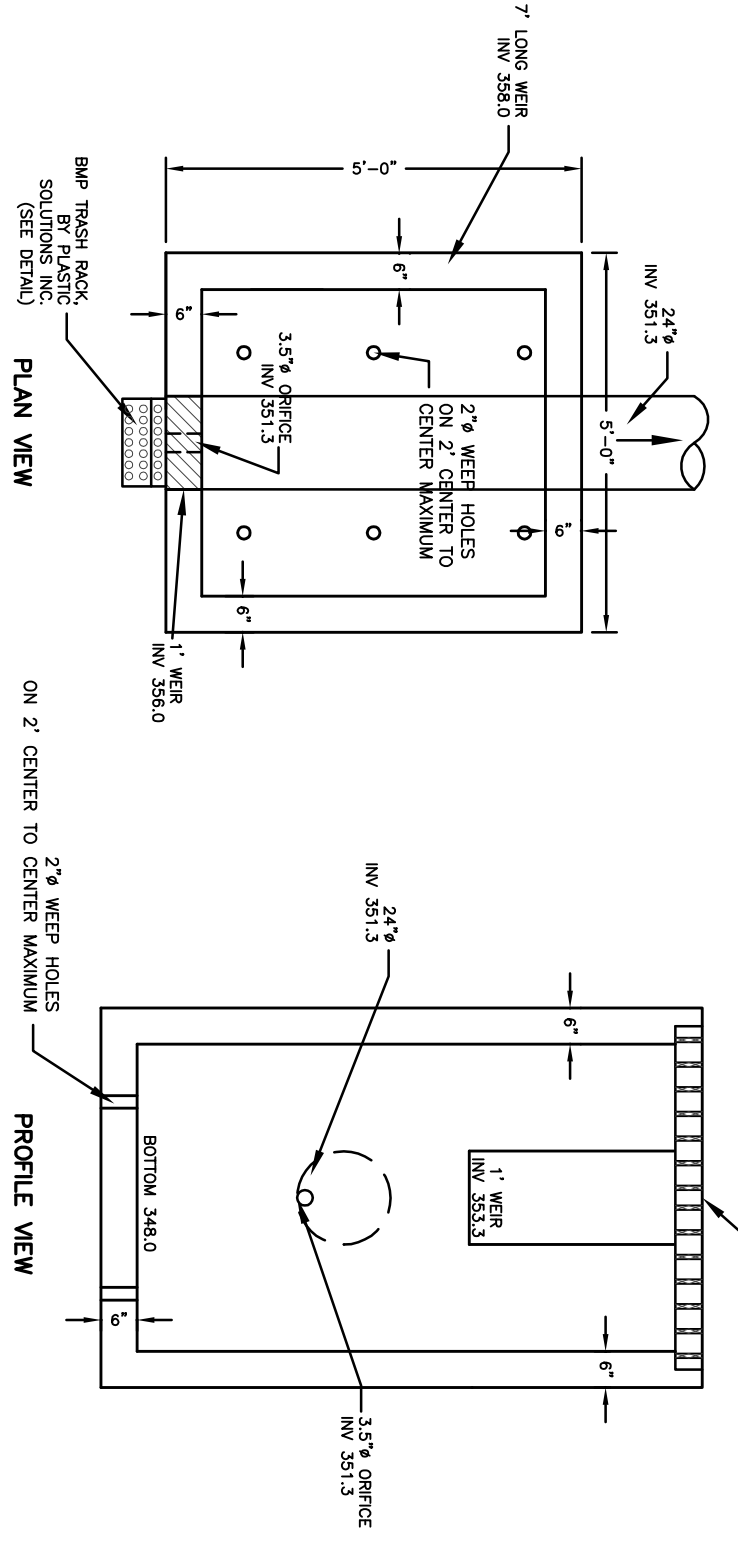
STORMTECH MC-4500 CHAMBER

N.T.S.



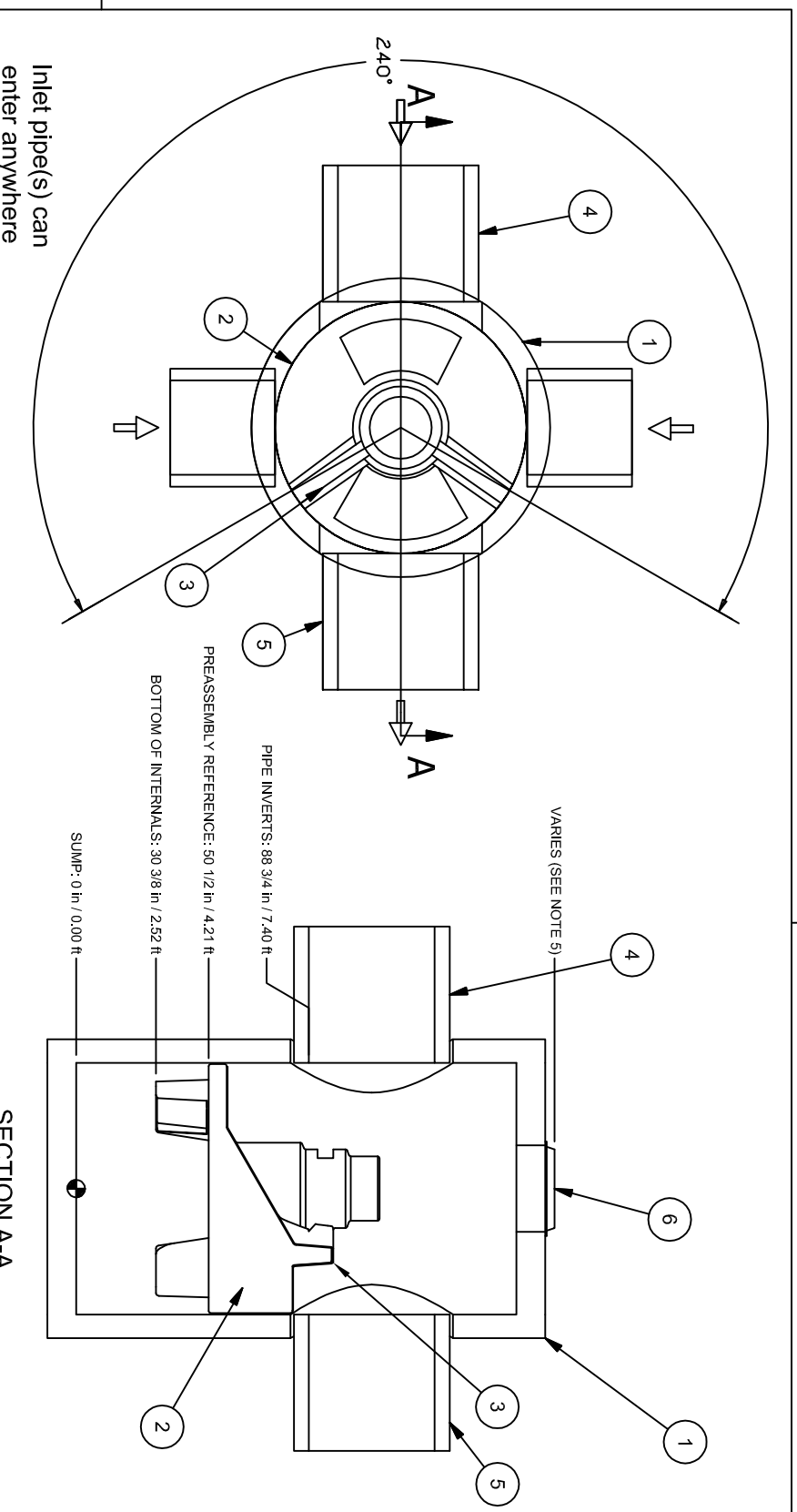
UNDERDRAN MANHOLE (FAST)

N.T.S.



OVERFLOW STRUCTURE (FAST) DETENTION BASIN

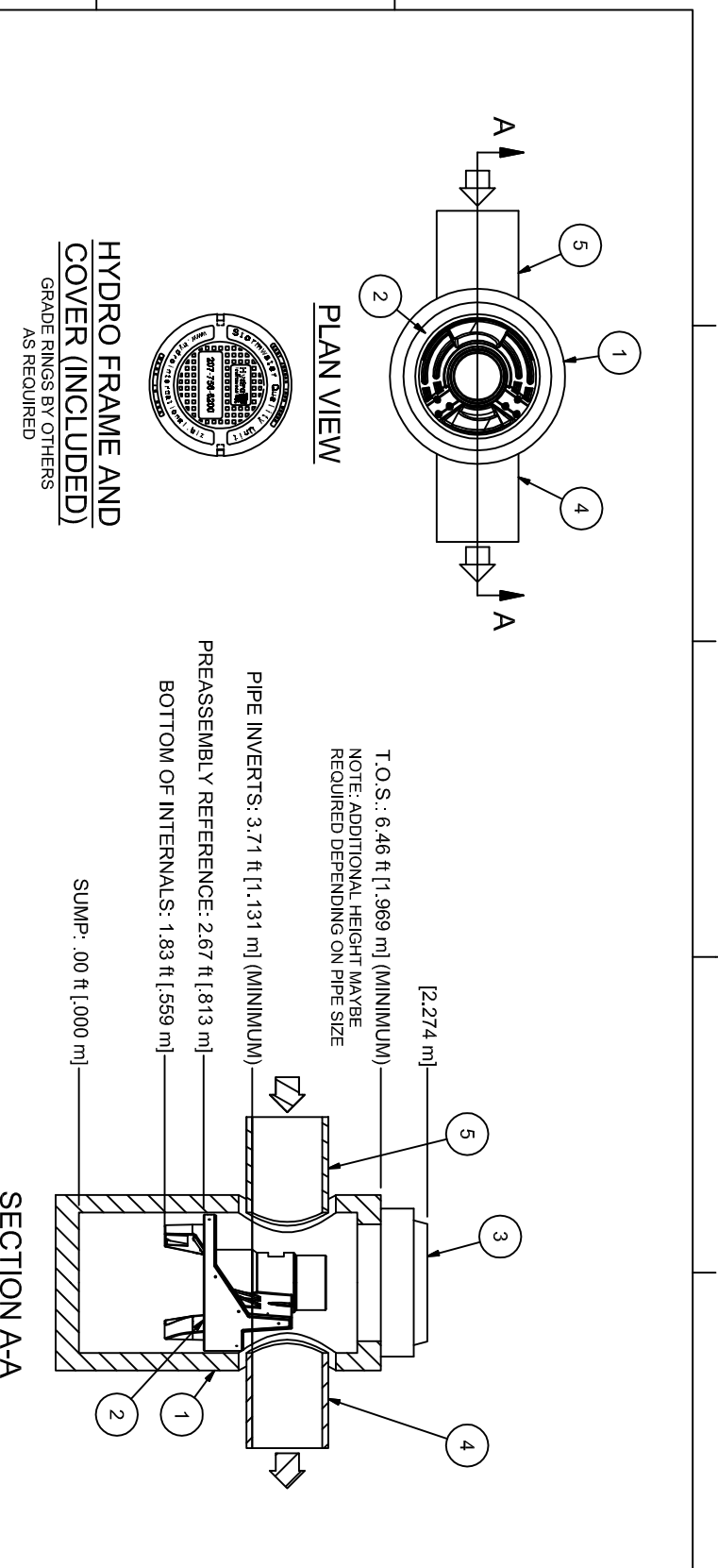
N.T.S.



GENERAL NOTES:
 1. Chamber shall conform to the requirements of ASTM F2787 Standard Practice for Structural Design of Thermoplastic Corrugated Valu Stormwater Collection Chambers.
 2. Chamber shall be installed in a trench with a minimum depth of 12 inches below the finished ground level.
 3. Chamber shall be surrounded by a layer of clean crushed angular stone.
 4. Chamber shall be installed in a trench with a minimum width of 12 inches on either side of the chamber.
 5. Chamber shall be installed in a trench with a minimum slope of 1%.

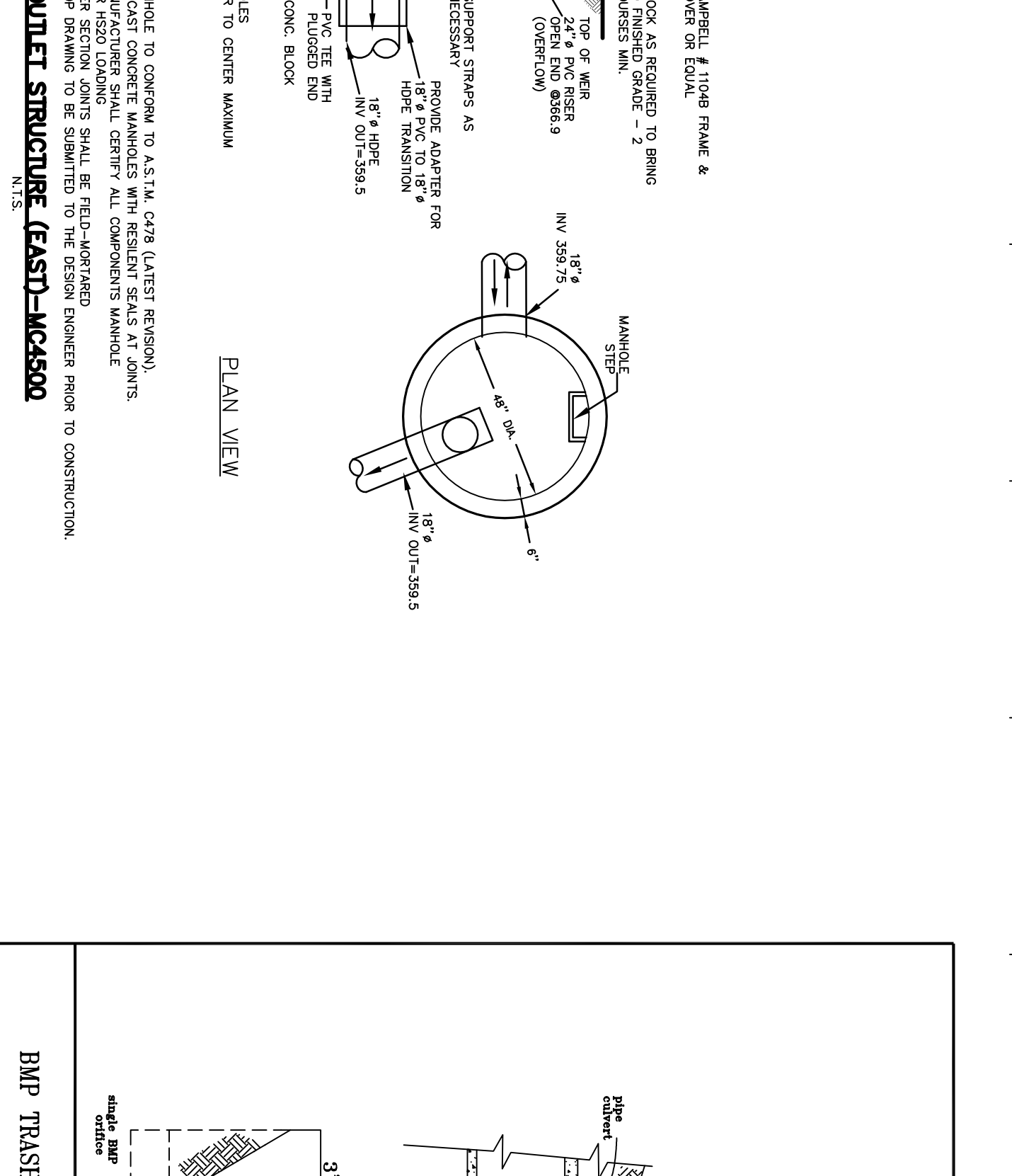
Hydro International

ITEM	SIZE (in)	DESCRIPTION
1	56"	LD PRECAST MANHOLE
2	18"	LEADER SUPPORT
3	18"	SEPARATION MODULE
4	48"	MAXIMUM INLET PIPE (BY OTHERS)
5	48"	MAXIMUM OUTLET PIPE (BY OTHERS)
6	30"	FRAME AND COVER (OR GRAVE) (ROUND)

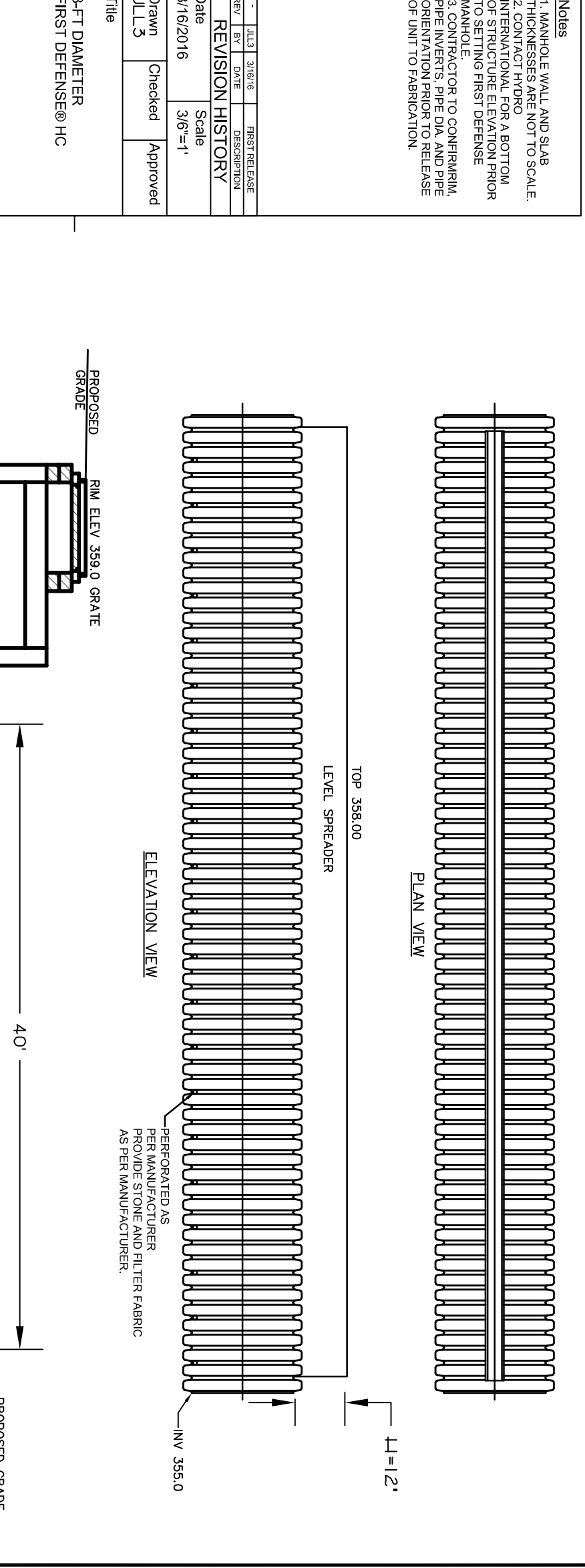


PRODUCT SPECIFICATION:
 1. Peak Hydraulic Flow: 15.0 cfs (424 l/s)
 2. 20' Storage Capacity: 106.5 ft³ (3.01 m³)
 3. 20' Storage Capacity: 162.6 ft³ (4.60 m³)
 4. Maximum Inlet/Outlet Pipe Diameter: 18 in. (450 mm)
 5. Chamber Weight: 128 lbs (58 kg)
 6. For more product information including regulatory requirements, please visit: <http://hydrointernational.com/products/index.html>

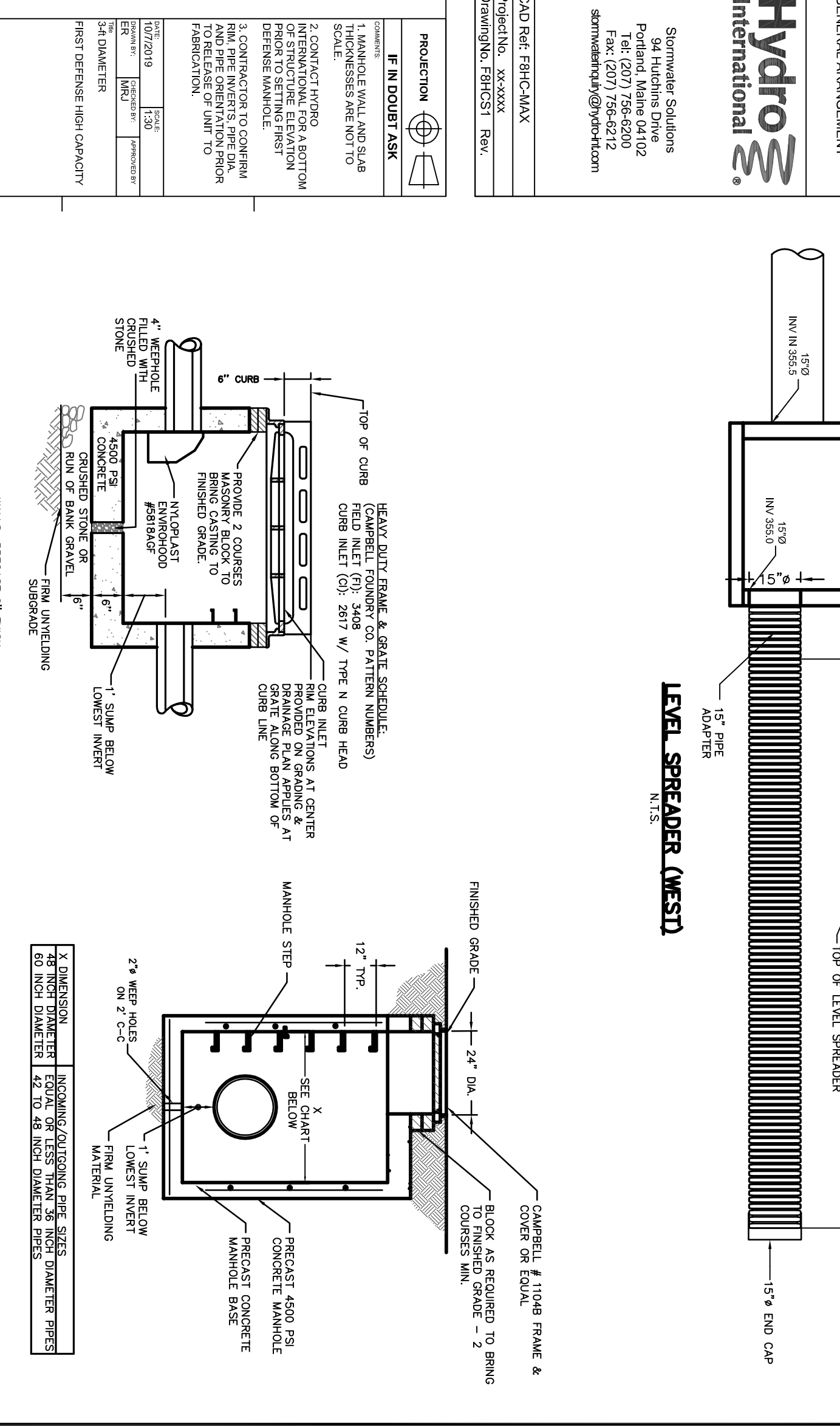
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4	48"	MAXIMUM INLET PIPE (BY OTHERS)
5	48"	MAXIMUM OUTLET PIPE (BY OTHERS)
6	30"	FRAME AND COVER (OR GRAVE) (ROUND)



GENERAL NOTES:
 1. Chamber shall conform to the requirements of ASTM F2787 Standard Practice for Structural Design of Thermoplastic Corrugated Valu Stormwater Collection Chambers.
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GENERAL NOTES:
 1. Chamber shall conform to the requirements of ASTM F2787 Standard Practice for Structural Design of Thermoplastic Corrugated Valu Stormwater Collection Chambers.
 2. Chamber shall be installed in a trench with a minimum depth of 12 inches below the finished ground level.
 3. Chamber shall be surrounded by a layer of clean crushed angular stone.
 4. Chamber shall be installed in a trench with a minimum width of 12 inches on either side of the chamber.
 5. Chamber shall be installed in a trench with a minimum slope of 1%.



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Hydro International
 GENERAL ARRANGEMENT
 TYPE: TYPICAL
 PROJECT: XXXXXX
 DRAWING: FIBRST Rev.

PRODUCTION
 # IN DOUBLE TASK
 CONTRACTOR: [Name]
 SCALE: [Scale]
 DATE: [Date]

REVISION HISTORY

NO.	DATE	DESCRIPTION
1	3/16/2016	Scale
2	3/16/2016	Scale

GENERAL NOTES:
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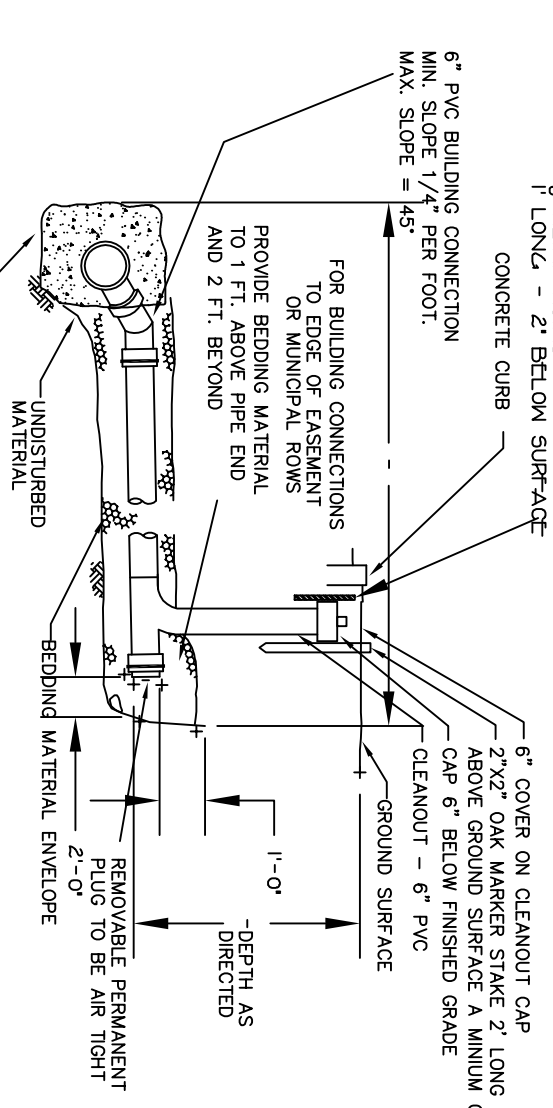
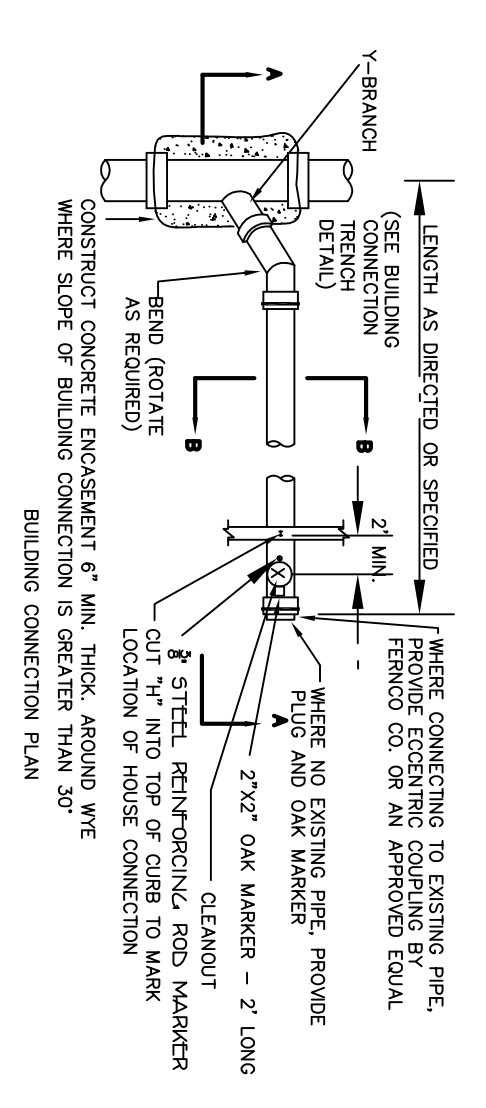
DETAILS SHEET 1)
 OAK TREE APARTMENTS
 TOWN OF HAVENSTAM
 ROCKLAND COUNTY, NEW YORK

SPARCO & YOUNGBLOND, PLLC
 CIVIL ENGINEERING & LAND SURVEYING
 16 NORTH MAIN STREET
 SUITE PLANNING
 LARGENTON, NY 10846
 TEL: (914) 762-6643
 FAX: (914) 762-5300
 WWW.SPACONYSURV.COM

STEVEN M. SPARCO, PE
 18 NORTH MAIN STREET
 HAVENSTAM, NY 10846
 (914) 762-6643

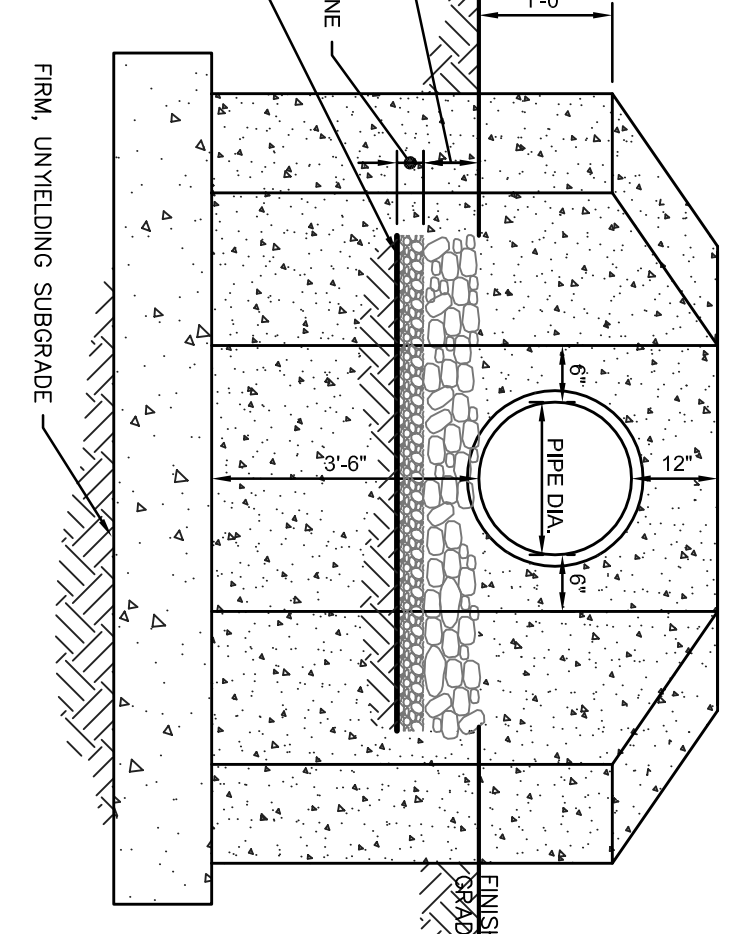
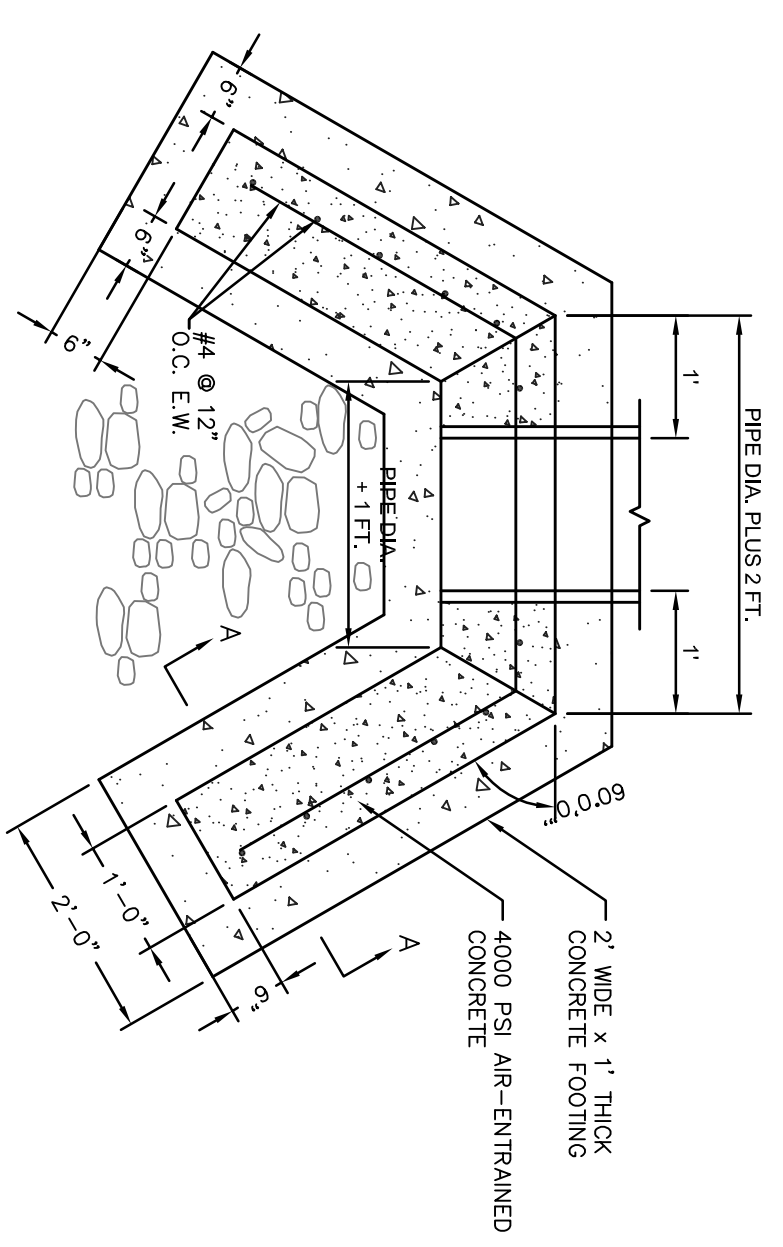
PLASTIC SOLUTIONS INC.
 P.O. Box 4586
 Blandon, PA 17004
 877-877-5727
 WWW.PLASTICSOL.COM

DATE: APR. 19, 2021
SCALE: AS NOTED
FILE: 5Y-1385
DATE: 14 OF 17

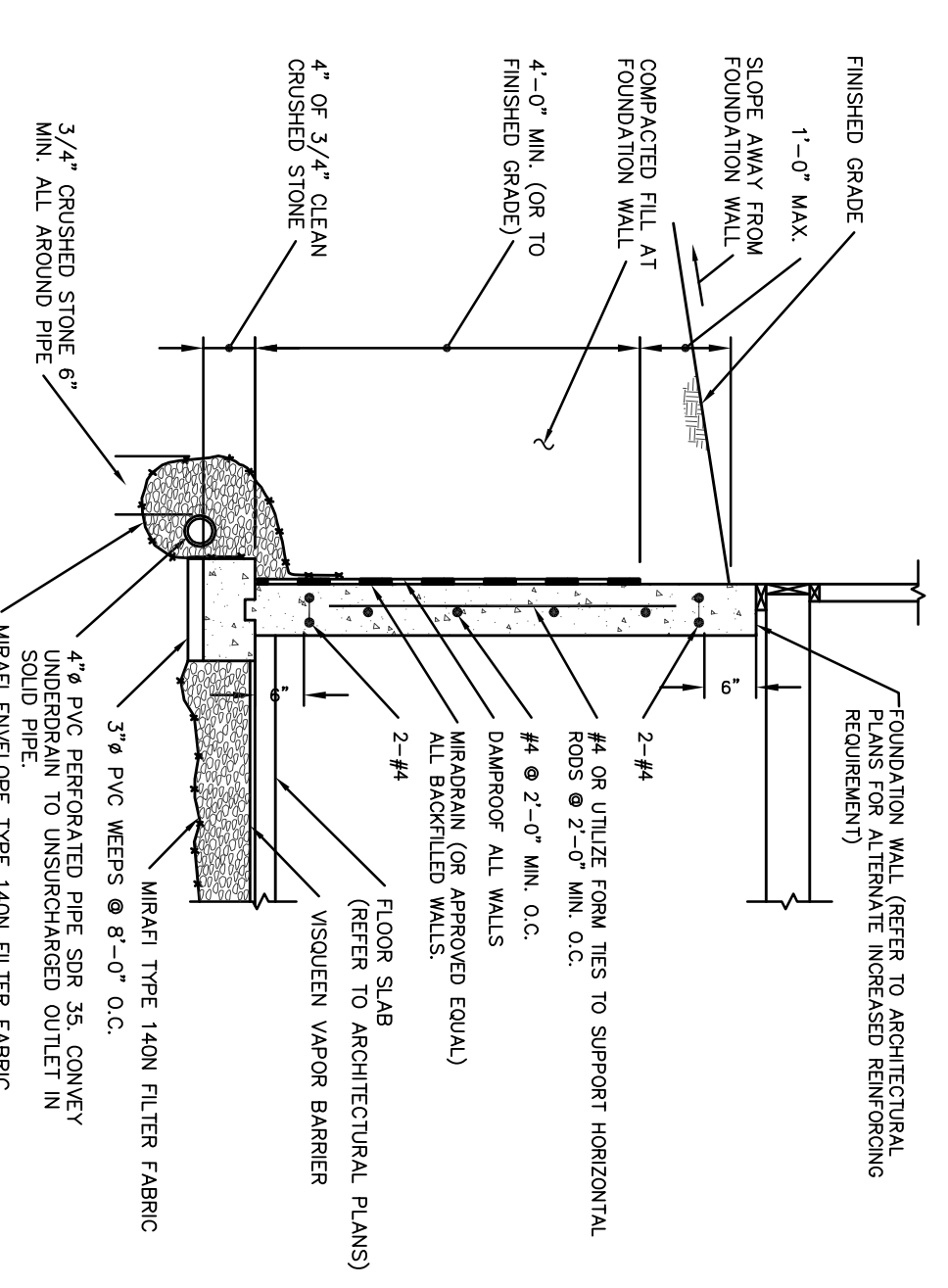


BUILDING CONNECTION ELEVATION
BUILDING CONNECTION DETAIL
N.T.S.

BUILDING CONNECTION TRENCH DETAIL
N.T.S.

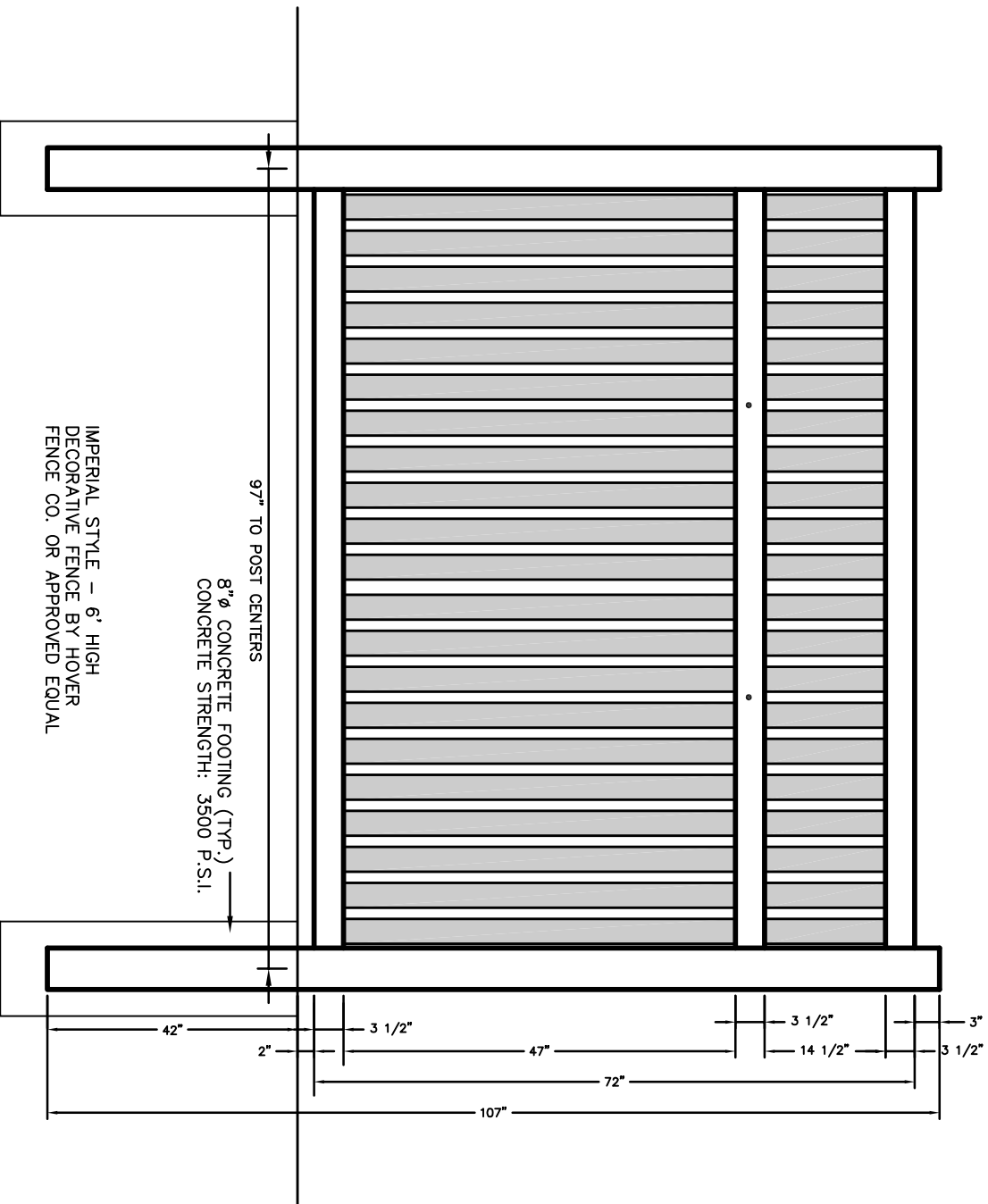


HEADWALL DETAIL
N.T.S.

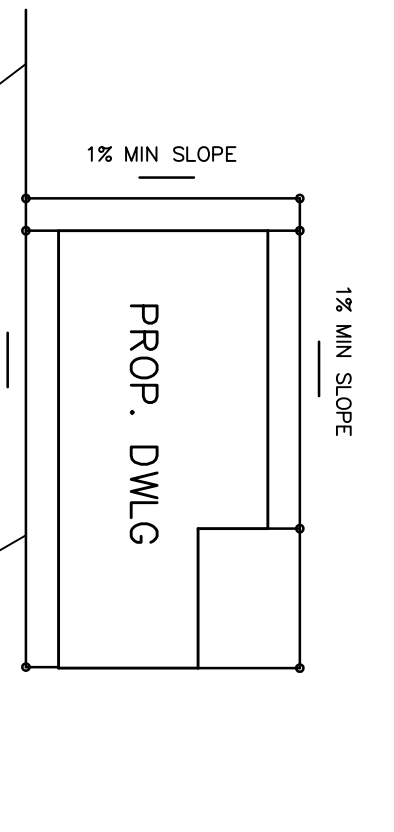


FOUNDATION UNDERDRAIN DETAIL
N.T.S.

- NOTES:**
1. CONVEY ALL ROOF LEADERS AWAY FROM DWELLING IN SEPARATE AND INDEPENDENT 4\"/>
 2. NO CONNECTIONS TO UNDERDRAIN SYSTEM FROM OTHER SOURCES ARE PERMITTED.
 3. BACKFILLING OF WALL IS NOT PERMITTED UNTIL FRAMING IS COMPLETED OR WALL IS SUPPORTED INSIDE.
 4. STEEL REINFORCEMENT SHOWN IS MINIMUM REQUIREMENT. SEE REQUIREMENT PLANS FOR ALTERNATE REINFORCED REINFORCING.

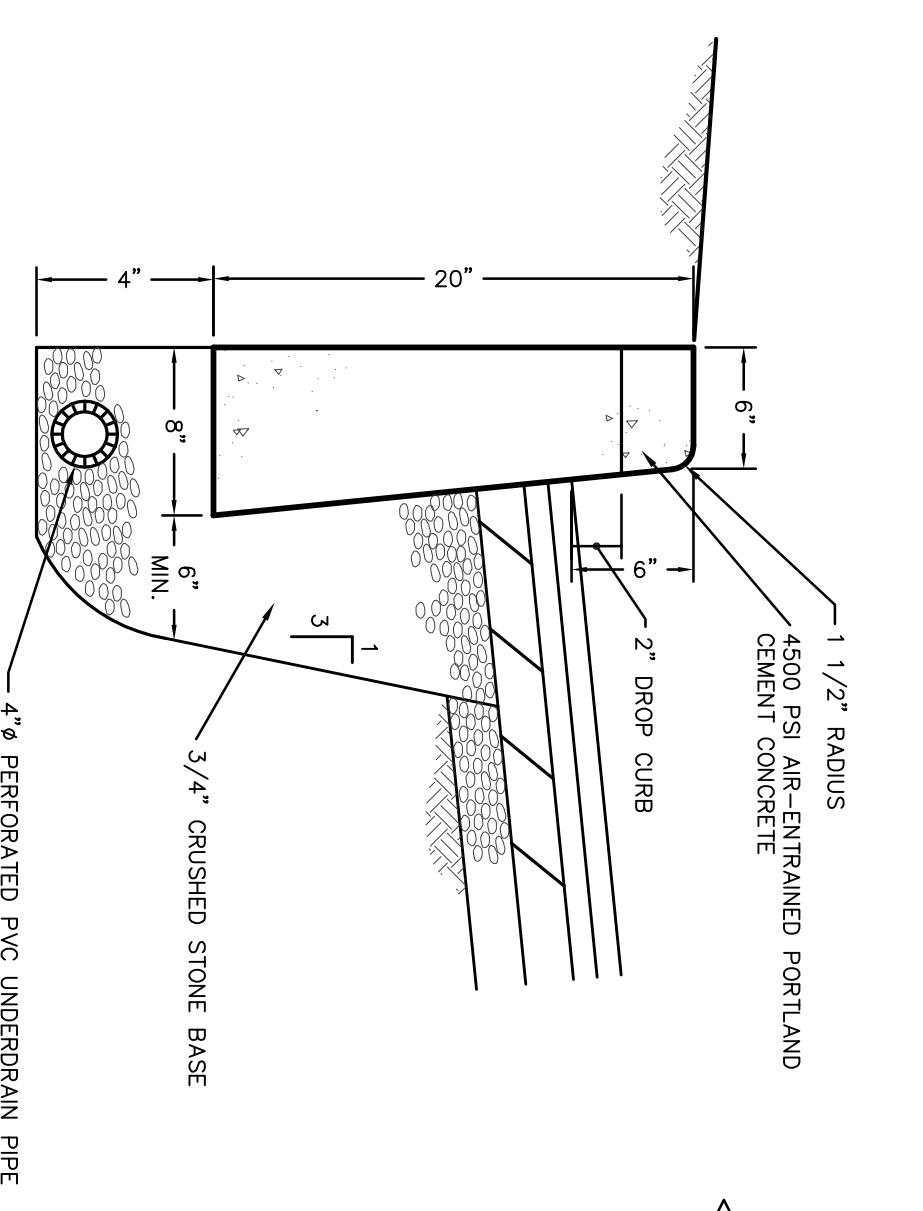


6\"/>



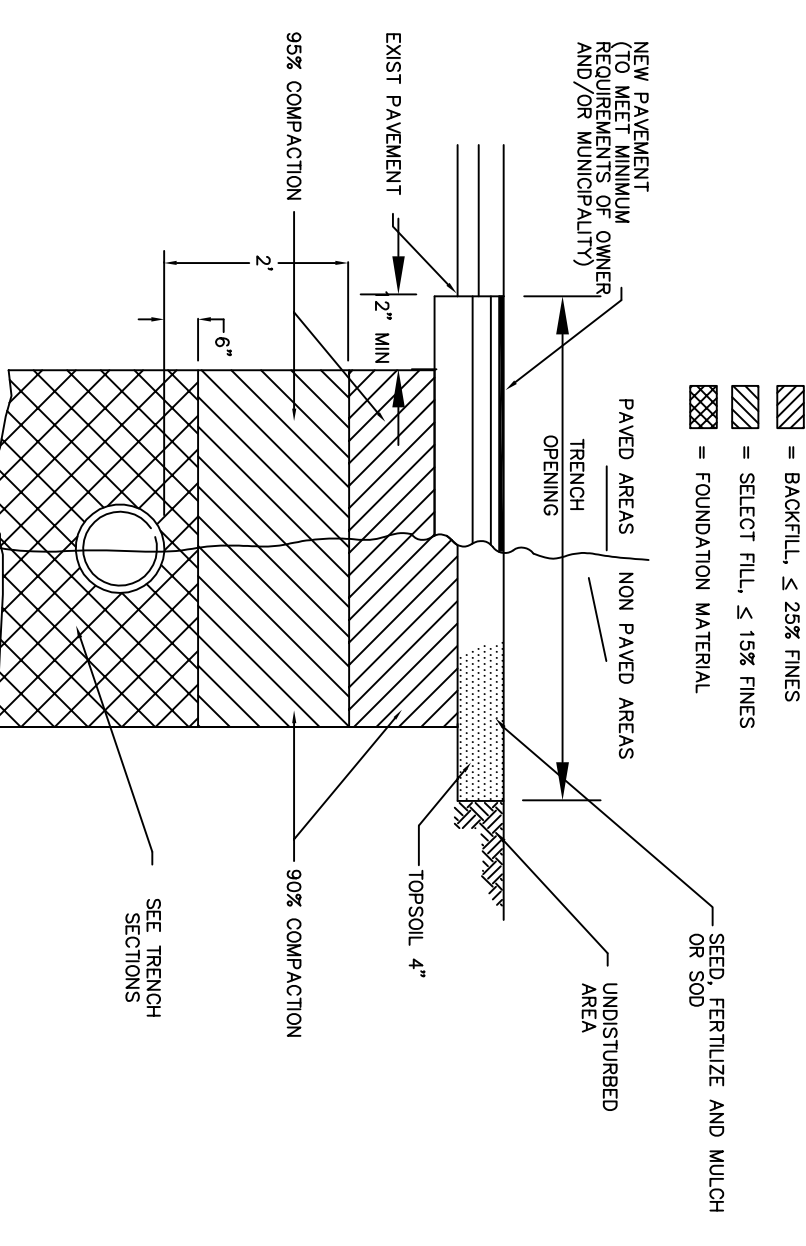
TYPICAL ROOF DRAIN SCHEMATIC
N.T.S.

- NOTES:**
1. CONNECT ALL ROOF LEADERS TO 6\"/>



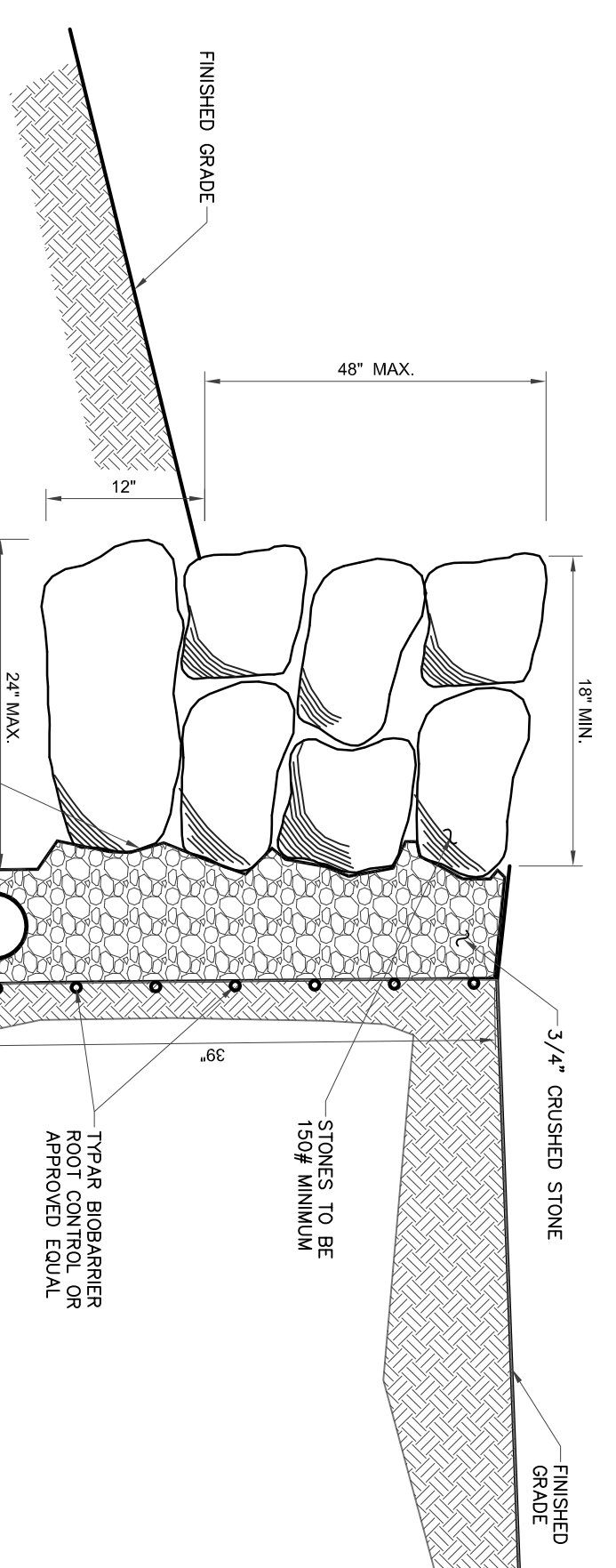
CURB DETAIL - CONCRETE
N.T.S.

- NOTES:**
1. CURB SHALL BE CAST IN PLACE.
 2. EXPANSION JOINTS OF 3/16\"/>
 3. UNDERDRAIN MAY BE ELIMINATED IN PARKING LOTS AND OTHER NON-PUBLIC FACILITIES.

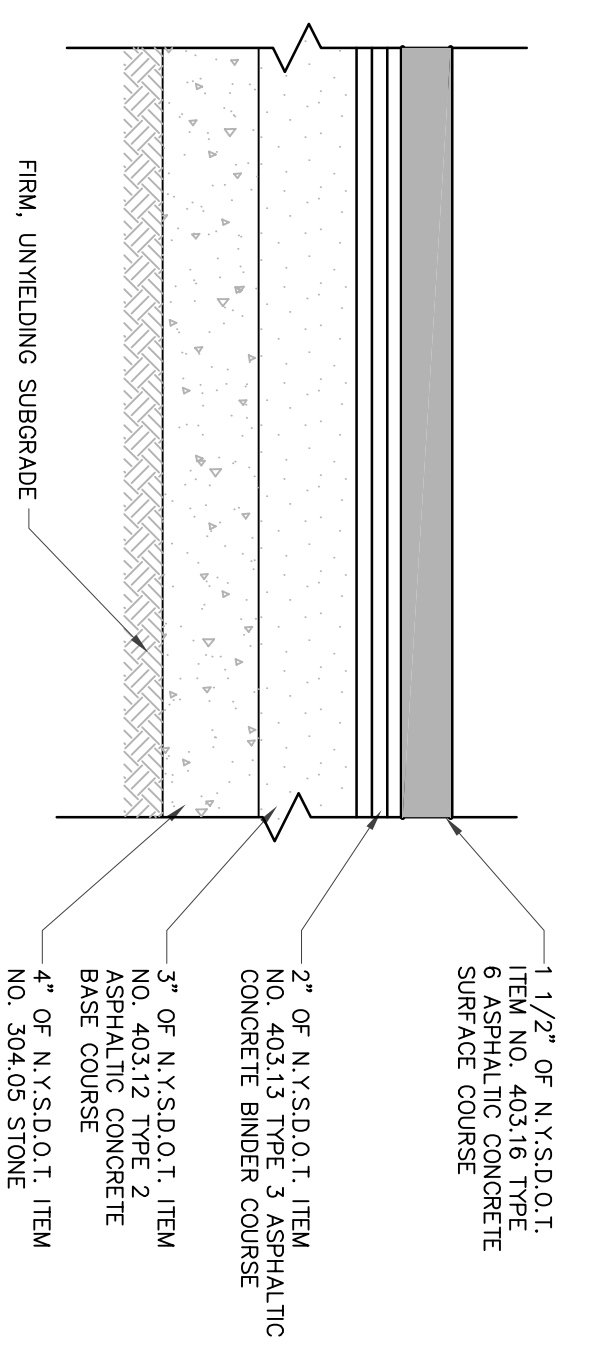


PIPE TRENCH BACKFILL DETAIL
N.T.S.

- BACKFILL, 5/8\"/>
- SELECT FILL, 1/2\"/>
- FOUNDATION MATERIAL



STONE RETAINING WALL DETAIL
N.T.S.

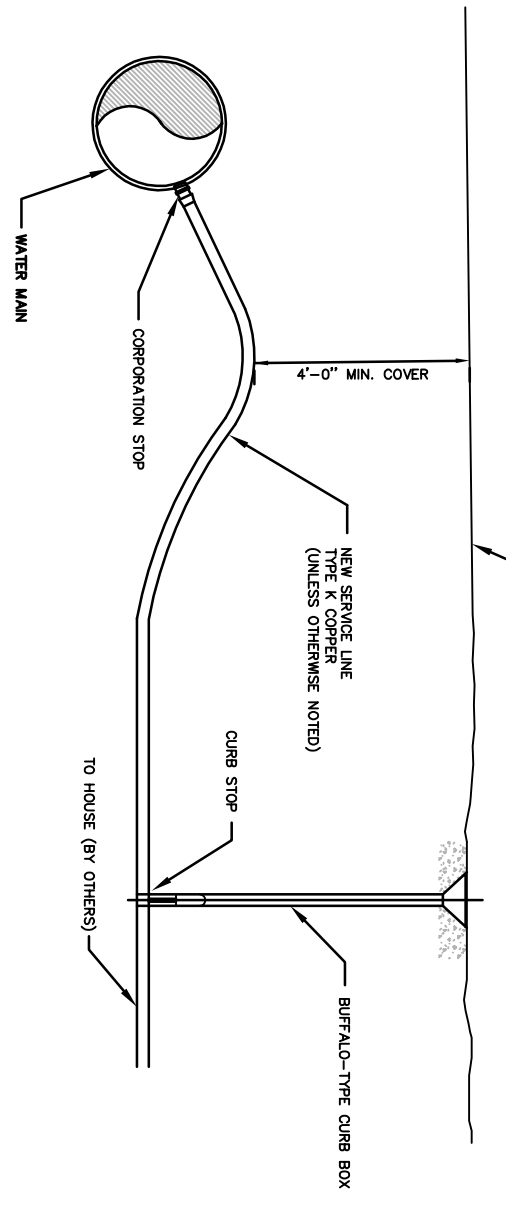


PAVEMENT SECTION: ROAD
N.T.S.

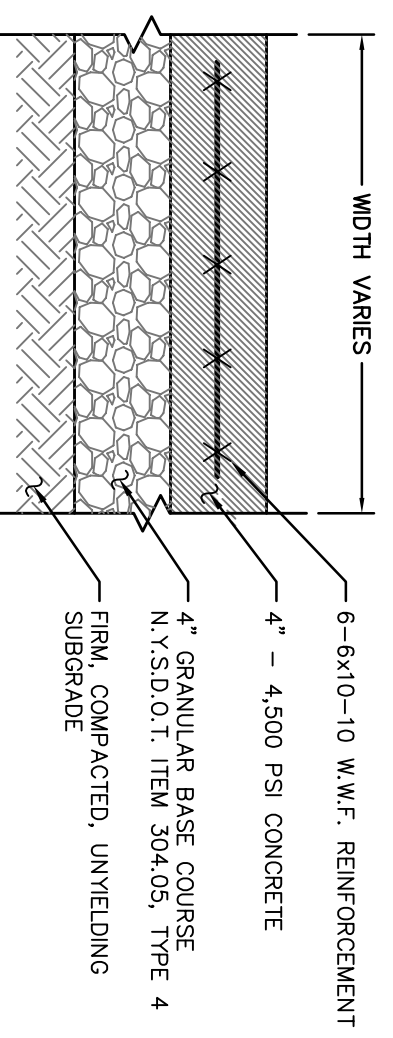
- NOTES:**
- 1. 1 1/2\"/>
 - 2\"/>
 - 3\"/>
 - 4\"/>

PAVEMENT SECTION: PARKING LOT
N.T.S.

- NOTES:**
- THIS SECTION TO BE UTILIZED AT PARKING LOTS FOR PASSENGER CAR PARKING AND ASLES ONLY, NOT FOR USE AT ROADS, DRIVEWAYS OR DRIVEWAY ENDS.



WATER CONNECTION DETAIL
N.T.S.



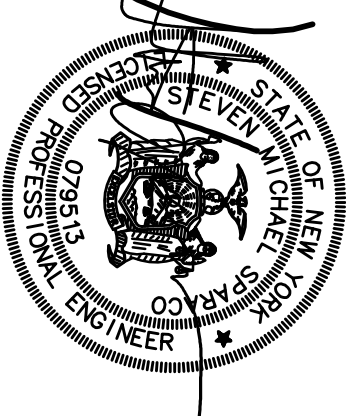
CONCRETE SIDEWALK DETAIL
N.T.S.

- NOTES:**
1. BROOK FINISH EACH SQUARE AT 90\"/>
 2. PLACE JOINTS EQUAL TO WALK WIDTH OR AS SHOWN ON PLAN.
 3. MAX. JOINTS TO BE 10 FEET.

OAK TREE APARTMENTS
LOCATED IN
TOWN OF HAVENSTAM
ROCKLAND COUNTY, NEW YORK

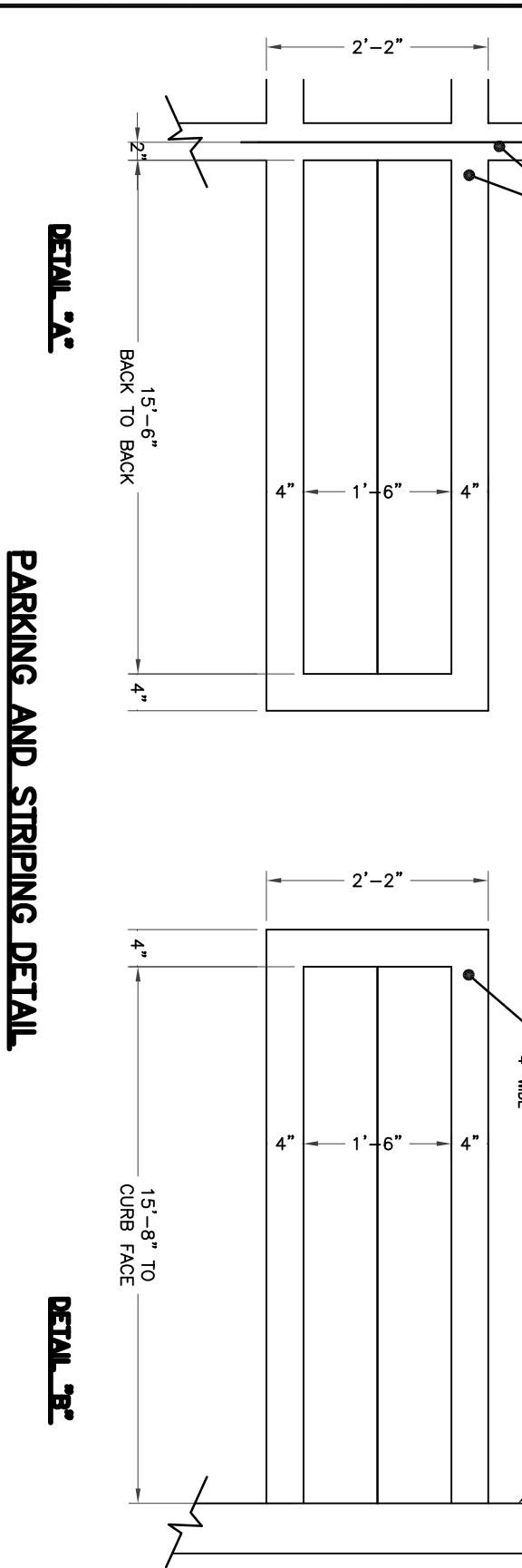
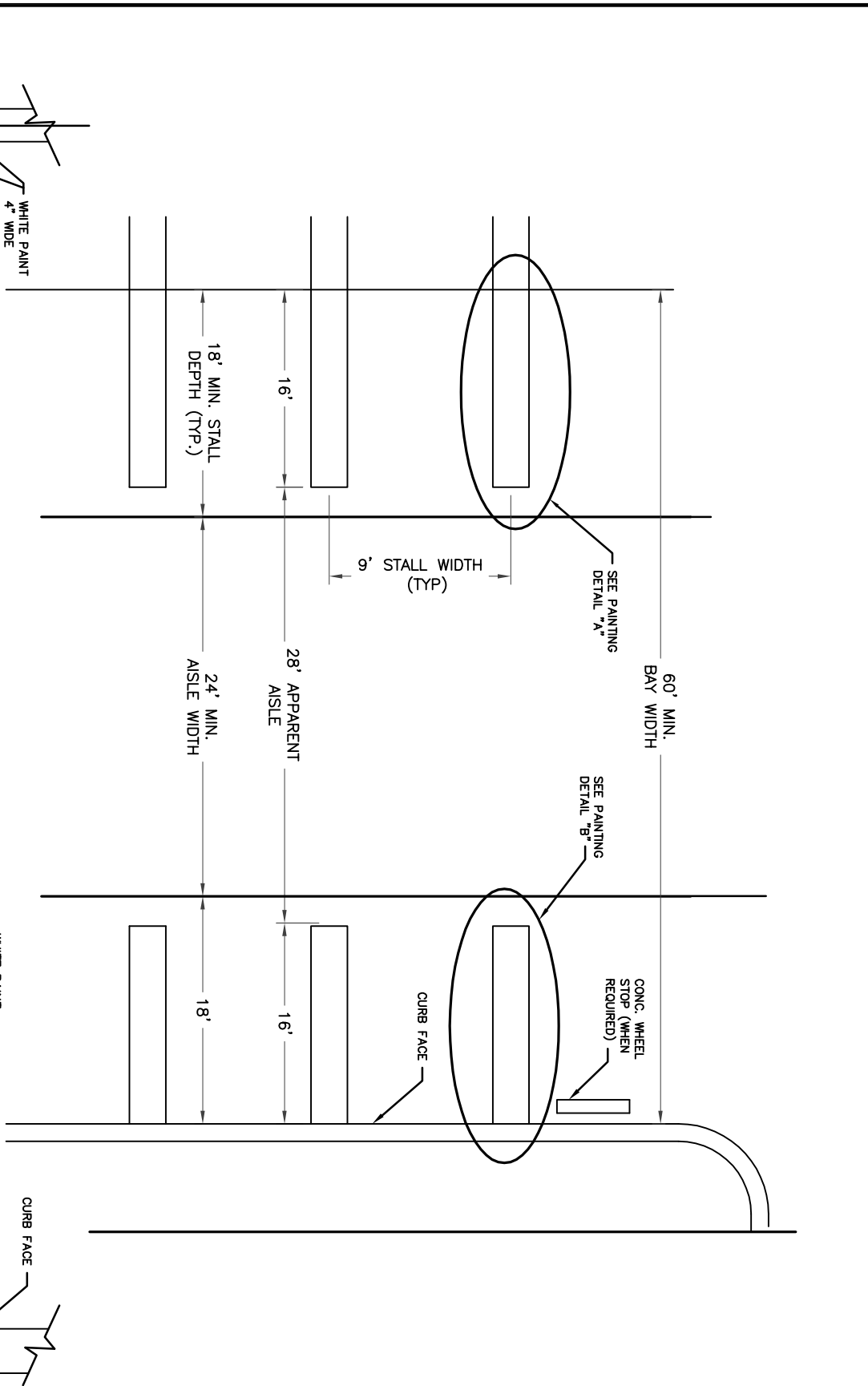
DETAILS SHEET 2)
TOR

STEVEN M. SPARACO, PE
18 NORTH MAIN STREET
HAWTHORNE, NY 10926
(845) 382-8643

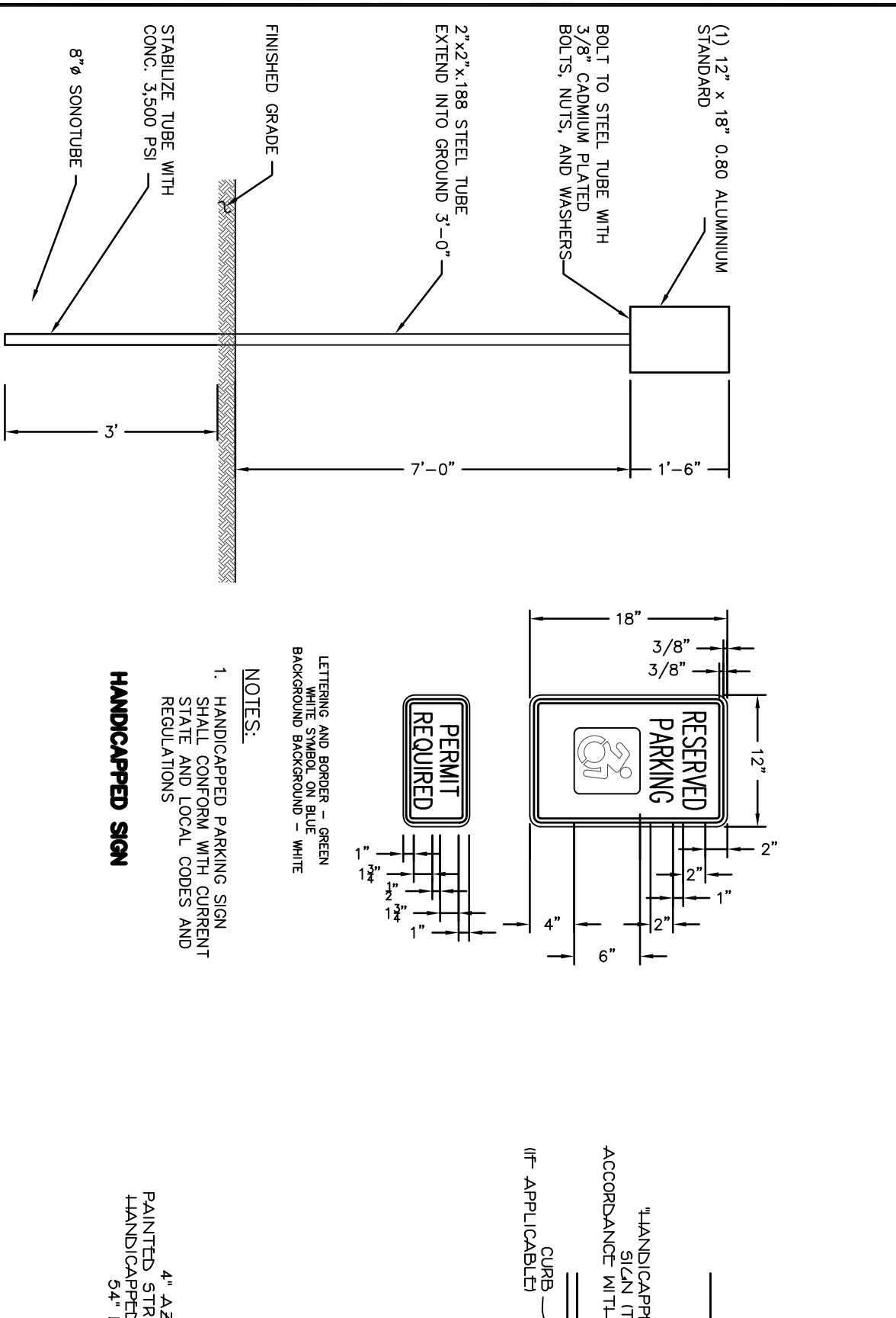


SPARACO & YOUNGBLOND, PLLC
CIVIL ENGINEERING & LAND SURVEYING
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SITE PLANNING
PO BOX 818
LUDLOW, NY 10926
TEL: (845) 782-8643
FAX: (845) 782-5900
WWW.SPACONYS.COM

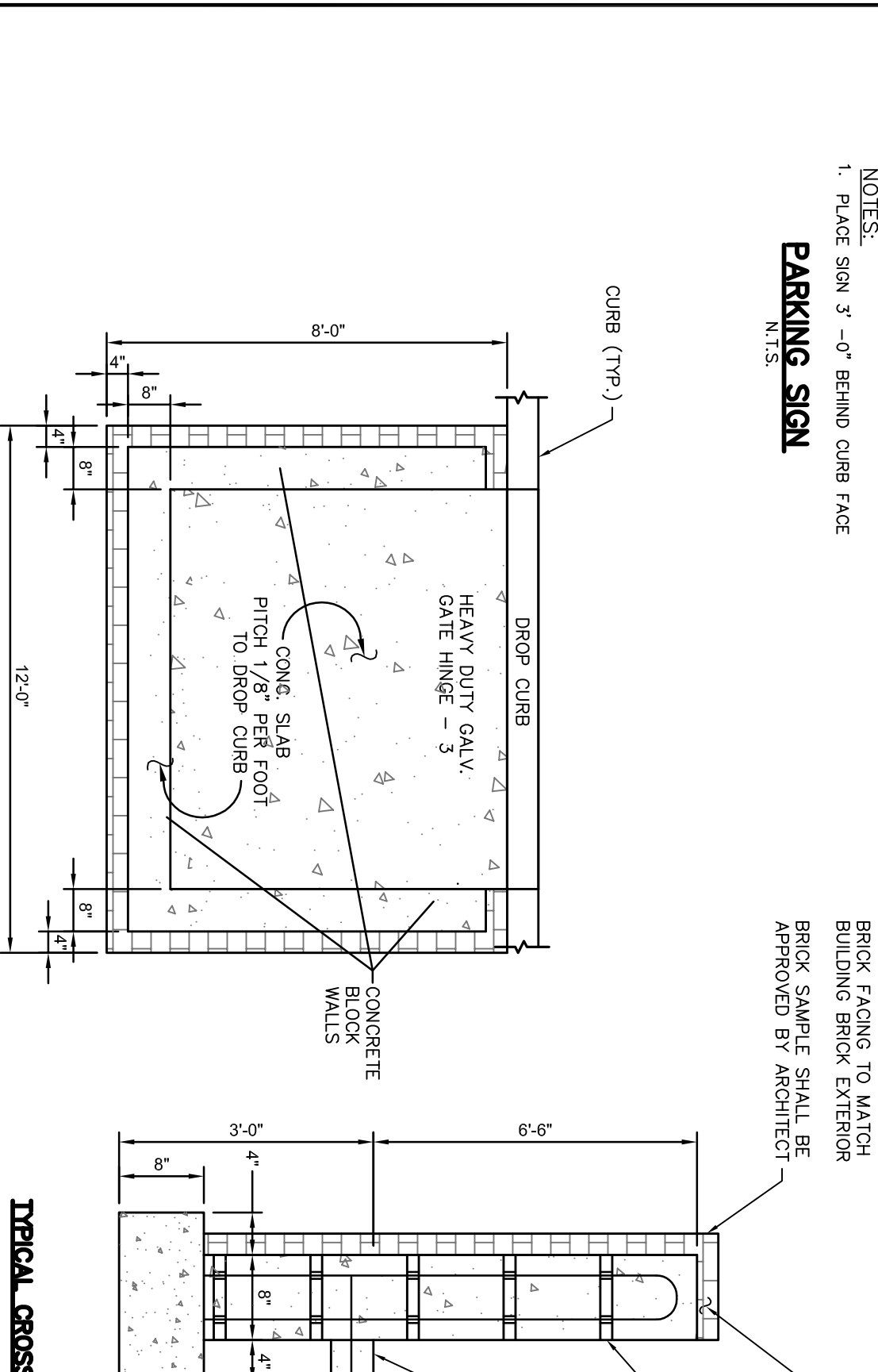
DATE	FILE	SCALE
APR. 14, 2021	SY-1385	AS NOTED



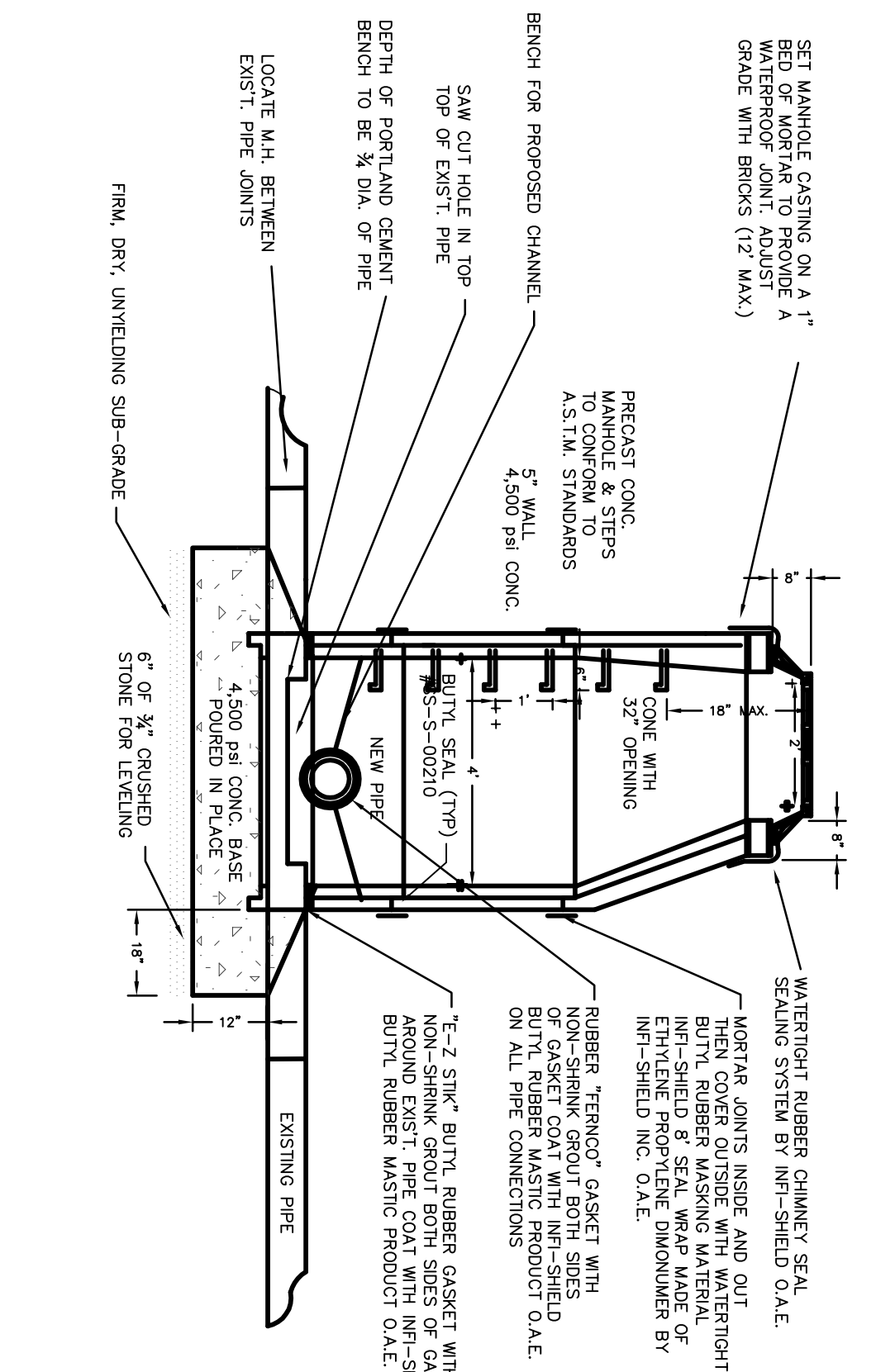
PARKING AND STRIPING DETAIL
N.T.S.



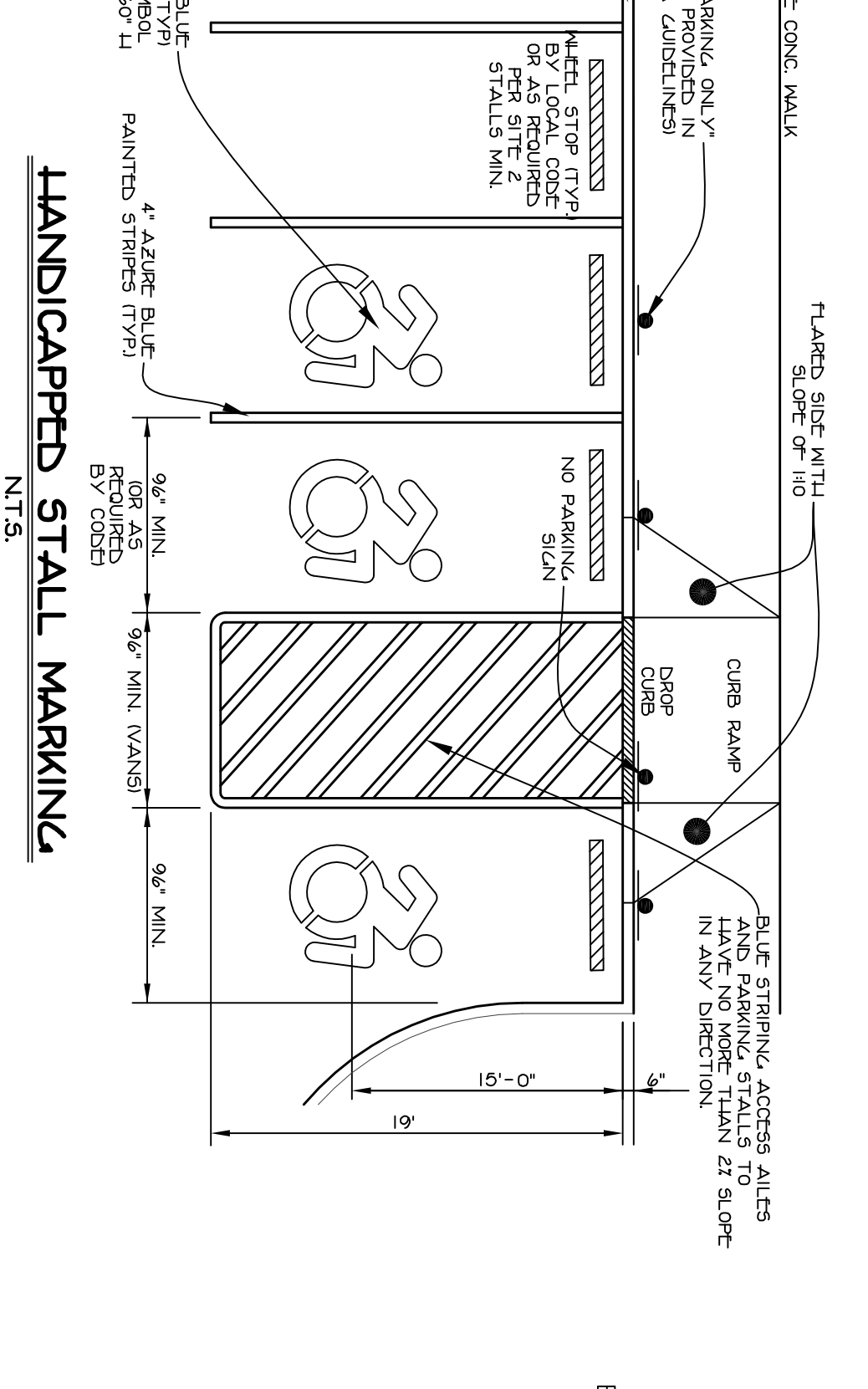
HANDICAPPED SIGN
N.T.S.



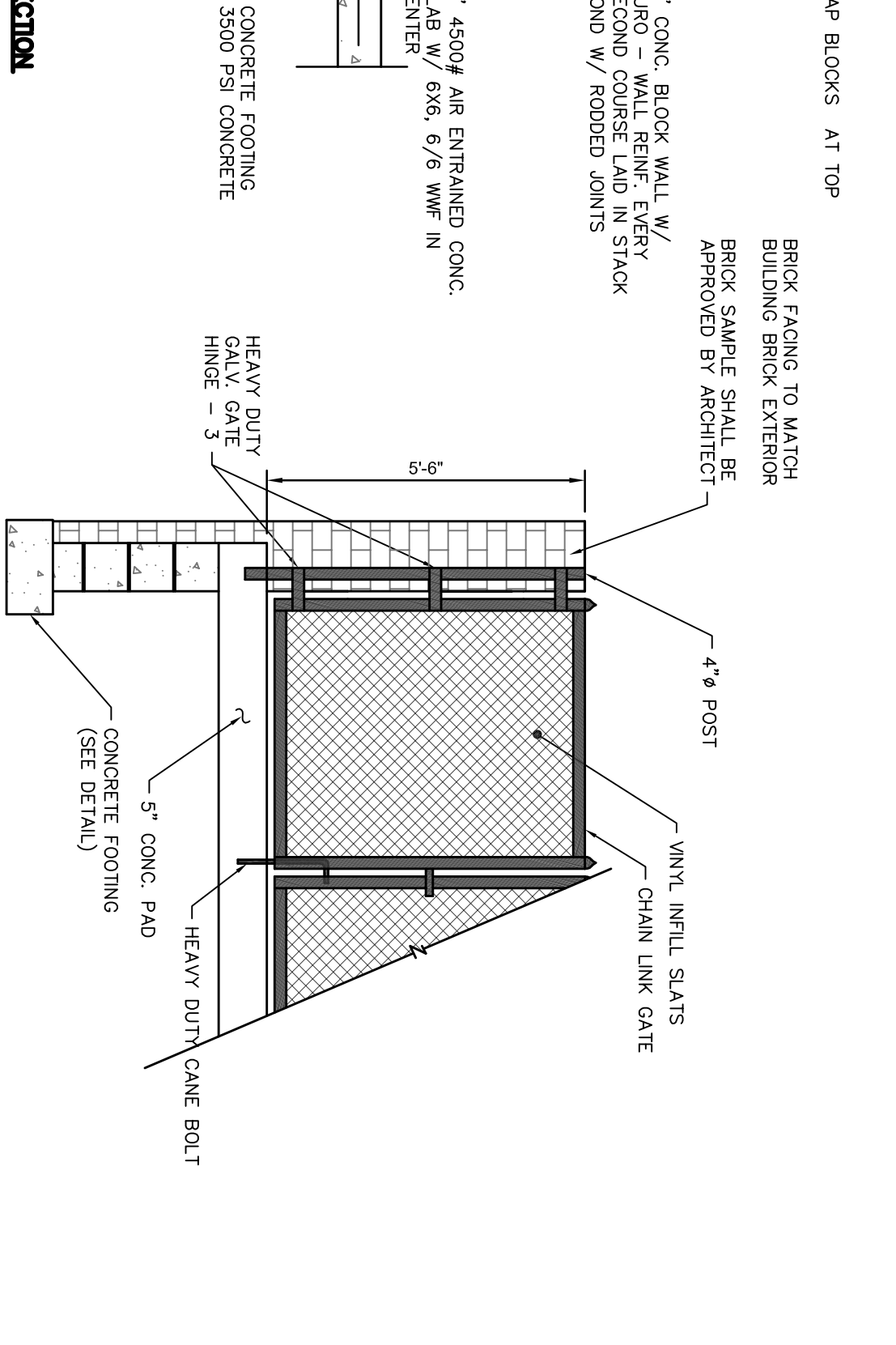
PLAN VIEW
N.T.S.



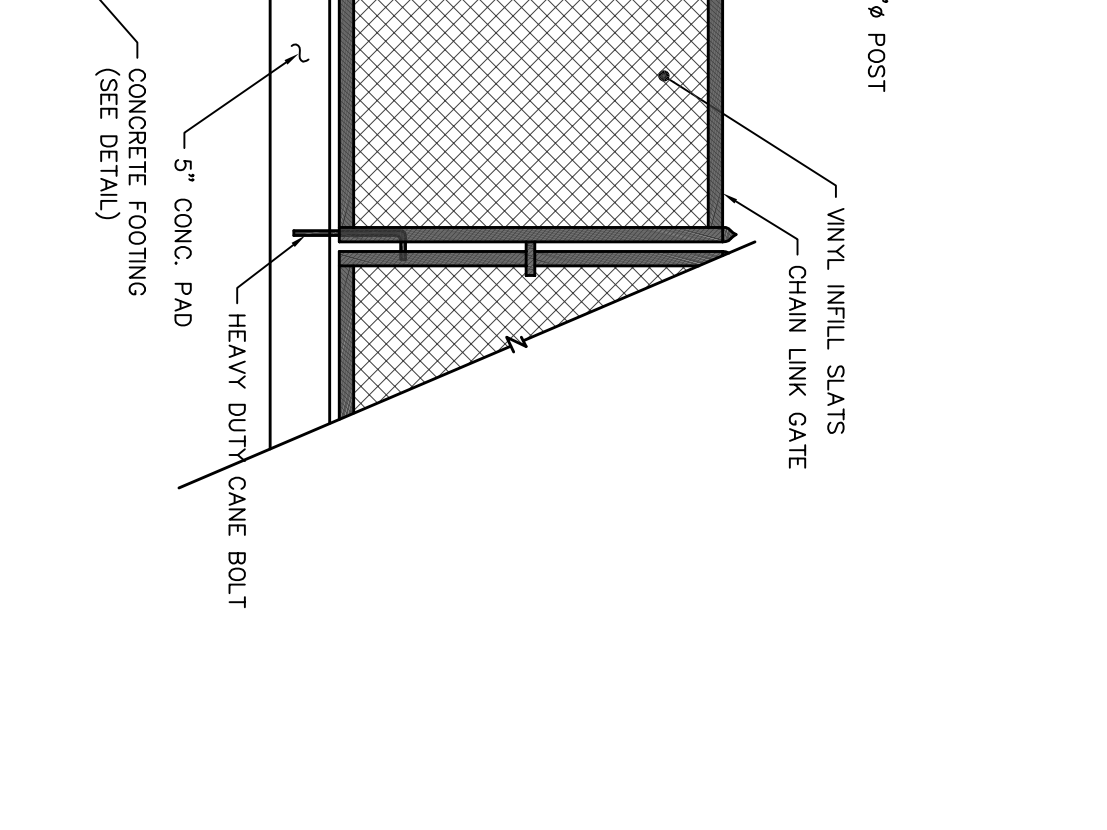
"DOUGHHOUSE" SANITARY MANHOLE WITH INFILTRATION PROTECTION
N.T.S.



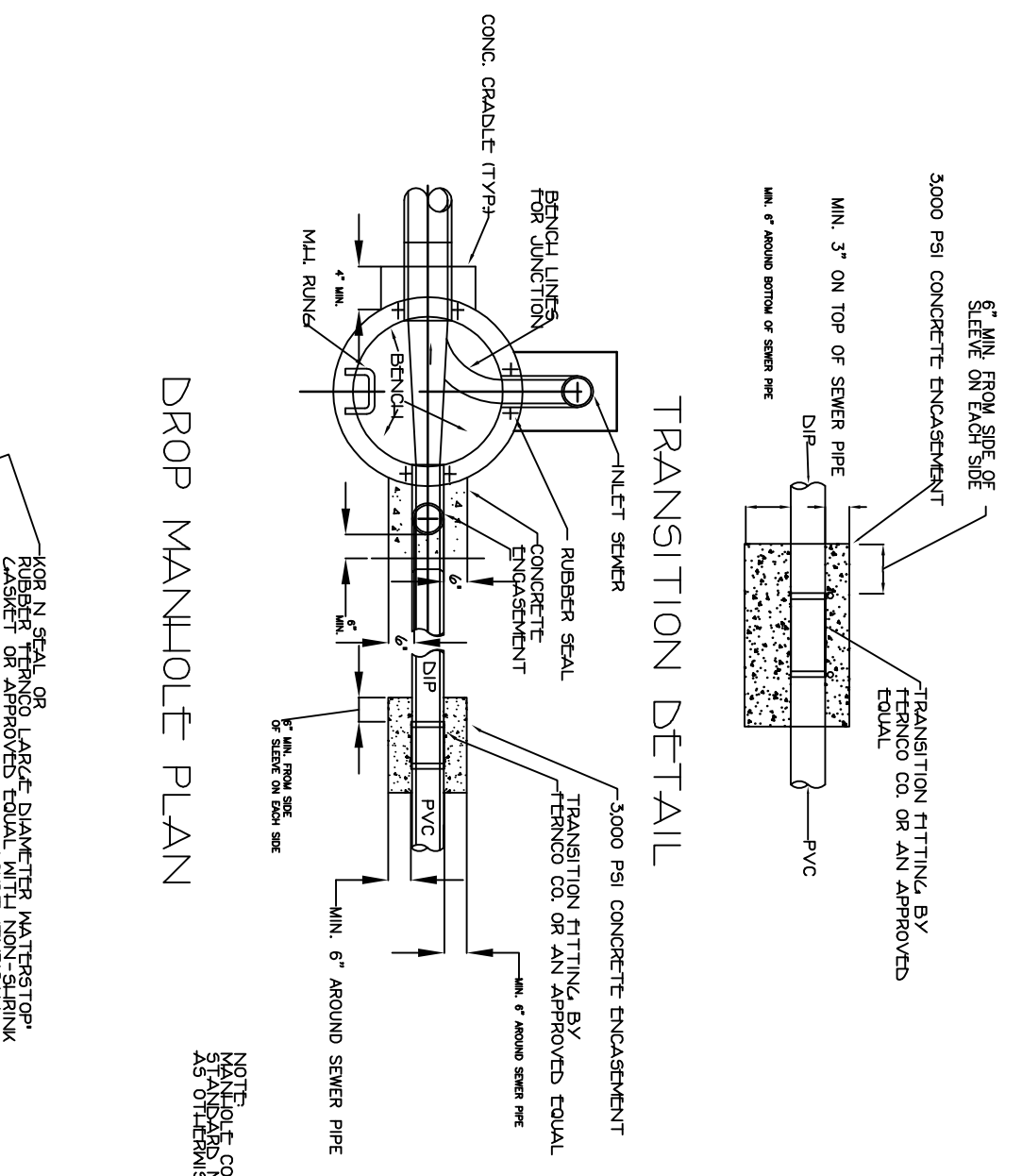
HANDICAPPED STALL MARKING
N.T.S.



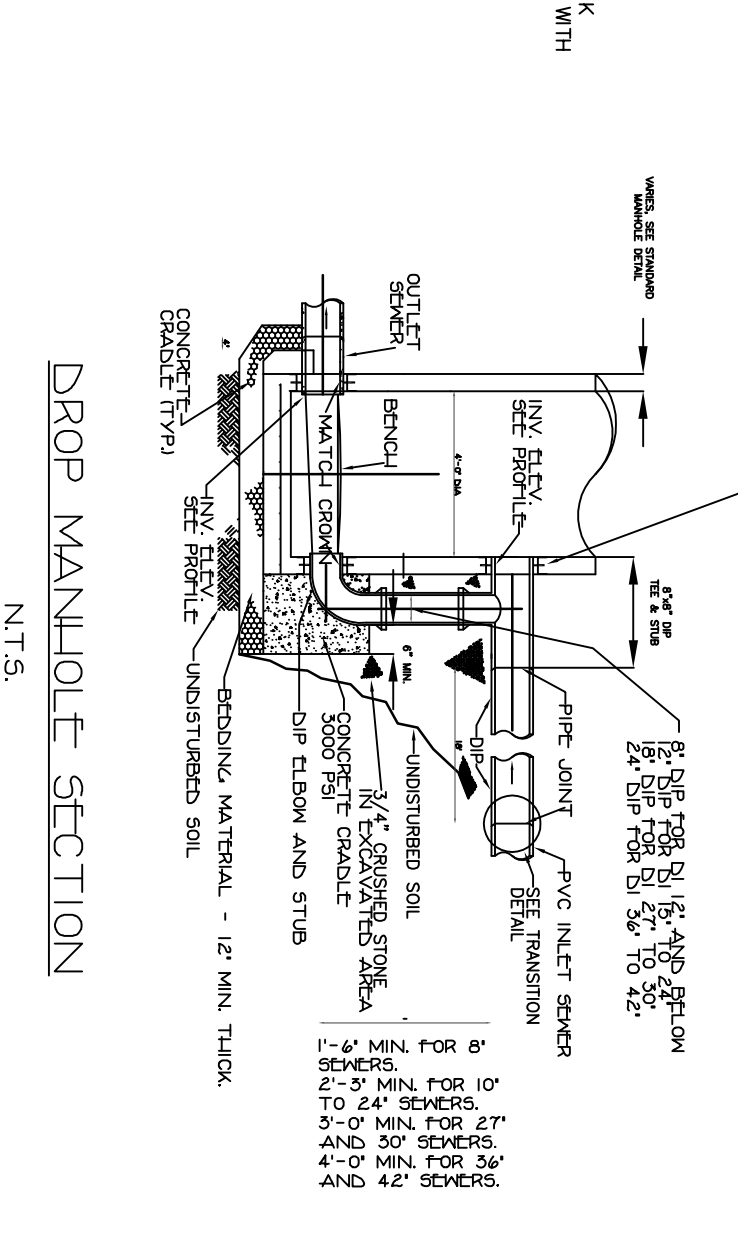
TYPICAL CROSS-SECTION
N.T.S.



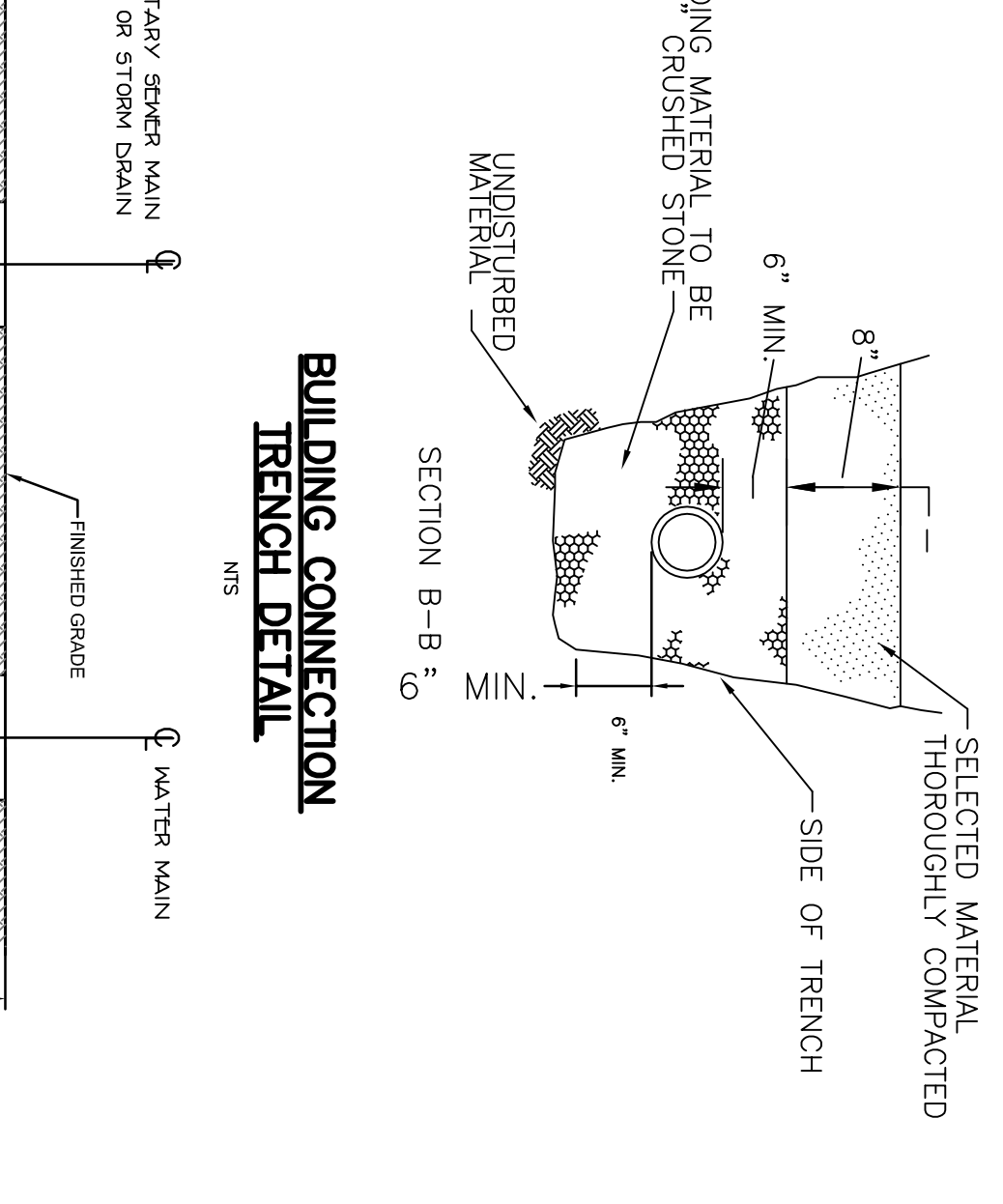
ELEVATION VIEW
N.T.S.



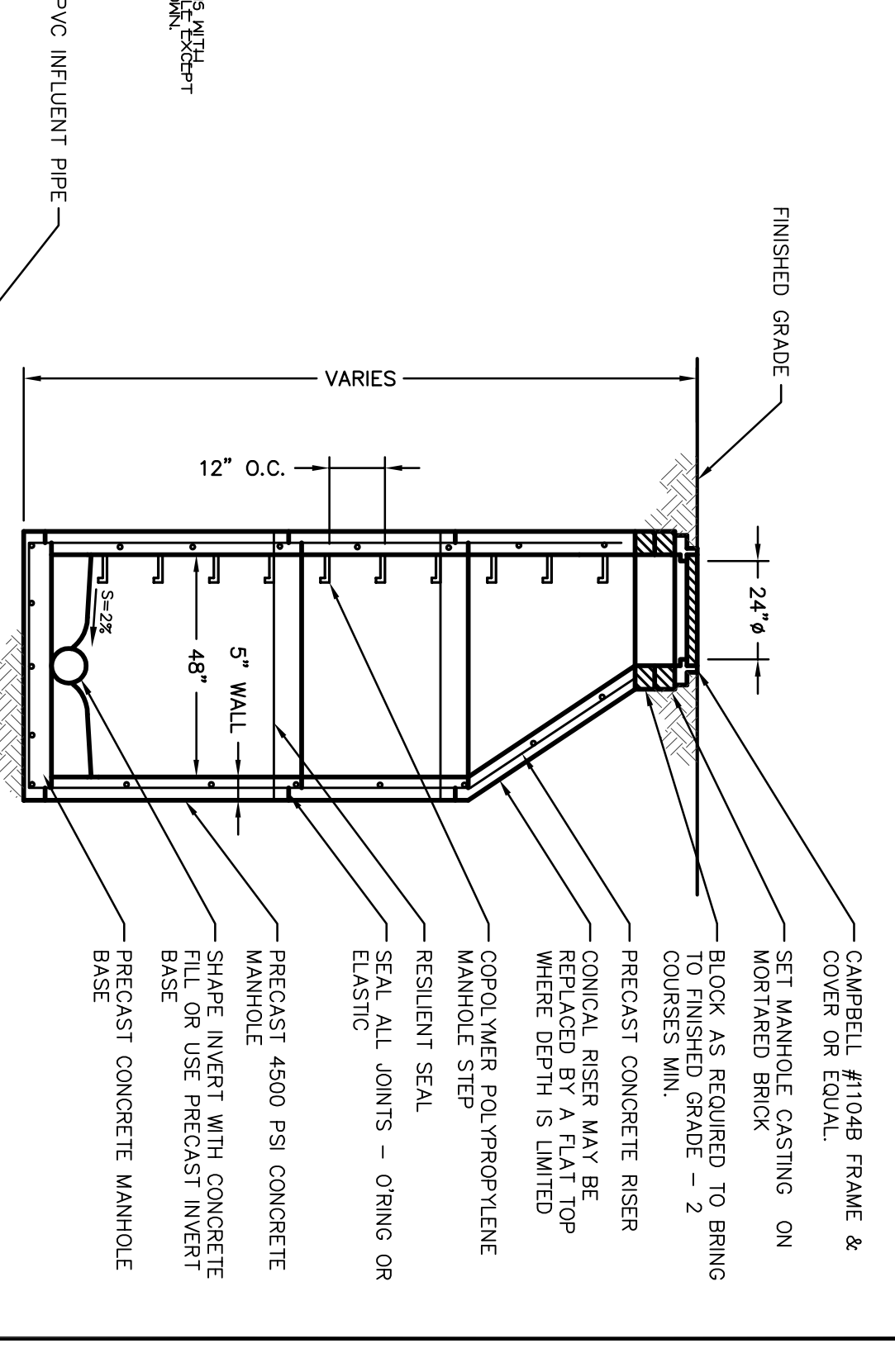
TRANSITION DETAIL
N.T.S.



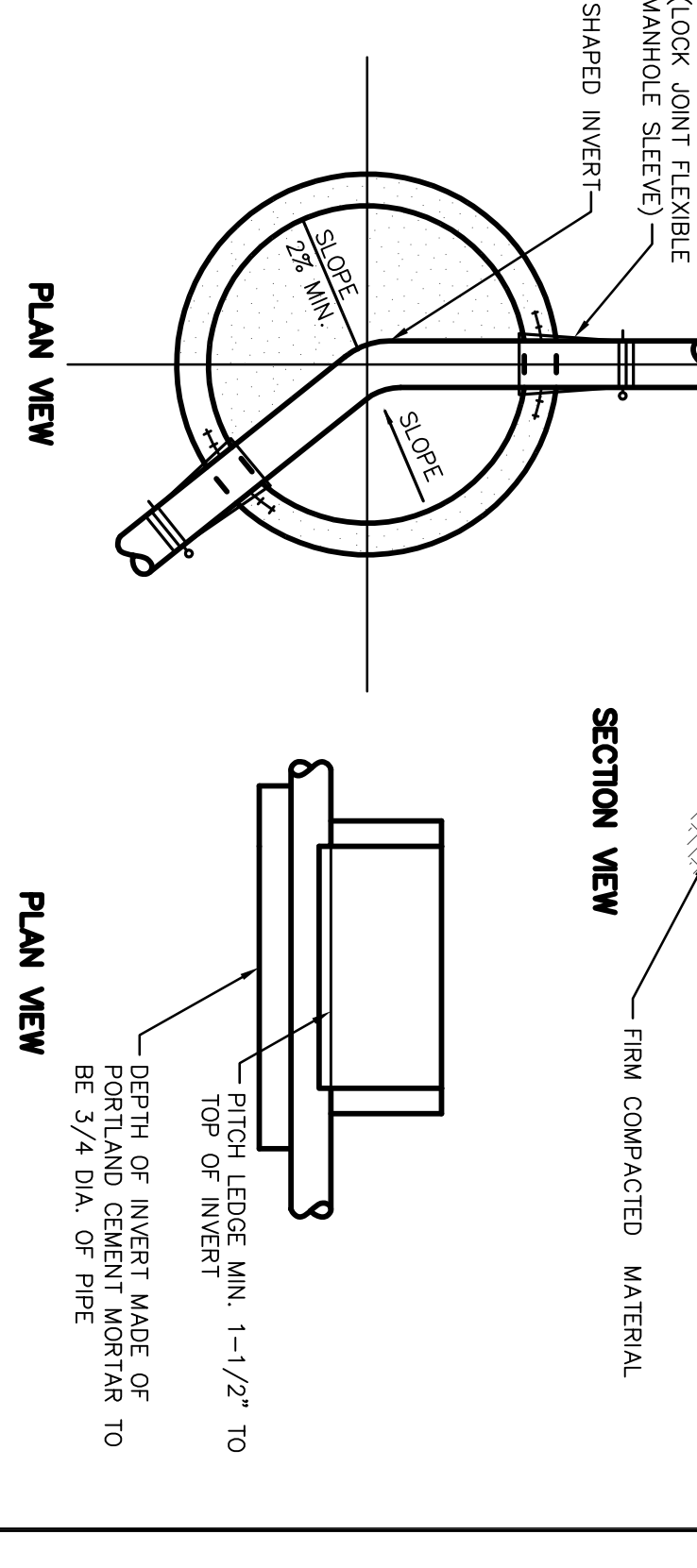
DROP MANHOLE SECTION
N.T.S.



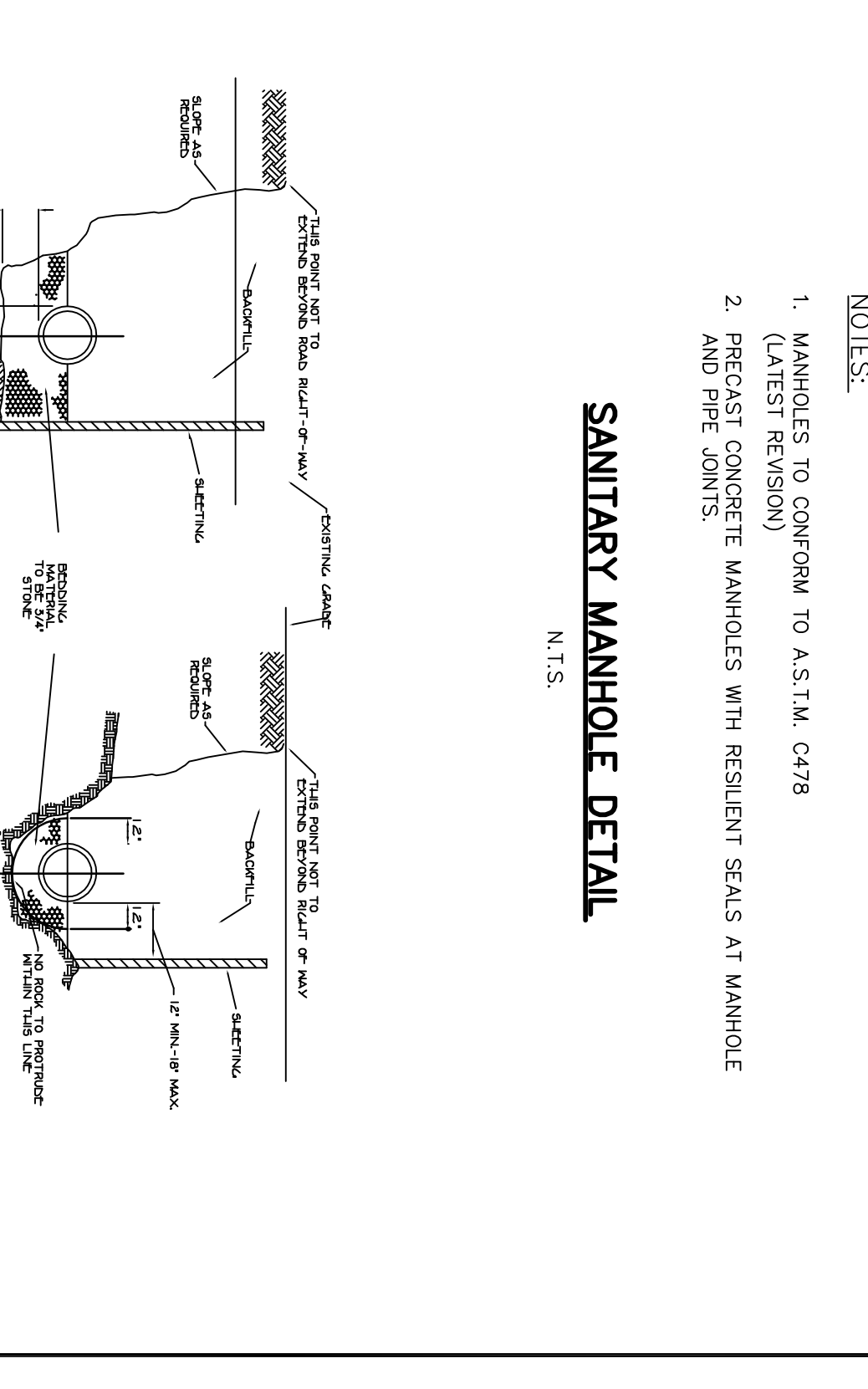
BUILDING TRENCH DETAIL
N.T.S.



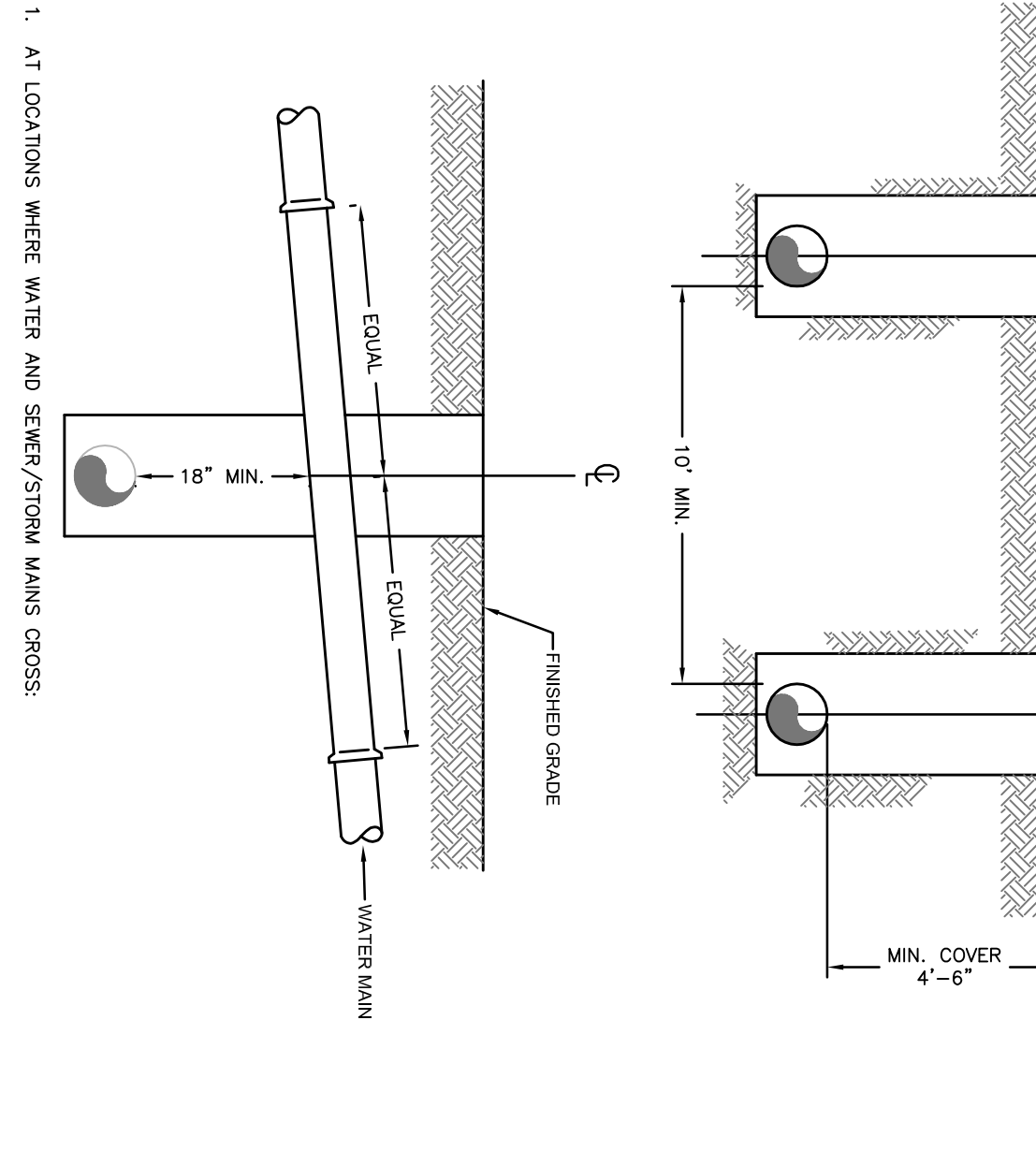
SANITARY MANHOLE DETAIL
N.T.S.



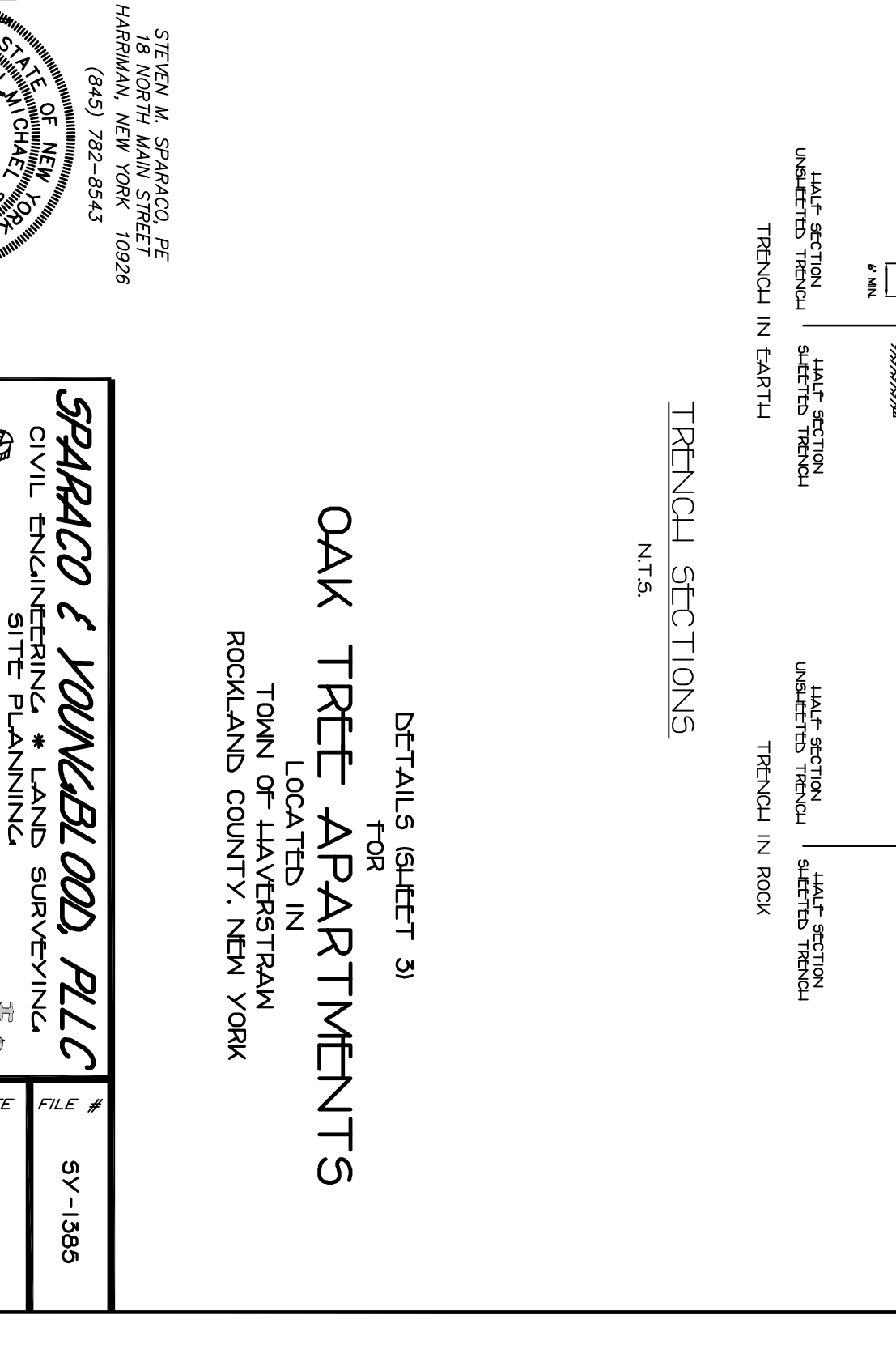
PLAN VIEW
N.T.S.



TRENCH SECTIONS
N.T.S.



TYPICAL WATER & SEWER/STORM SEPARATION
N.T.S.



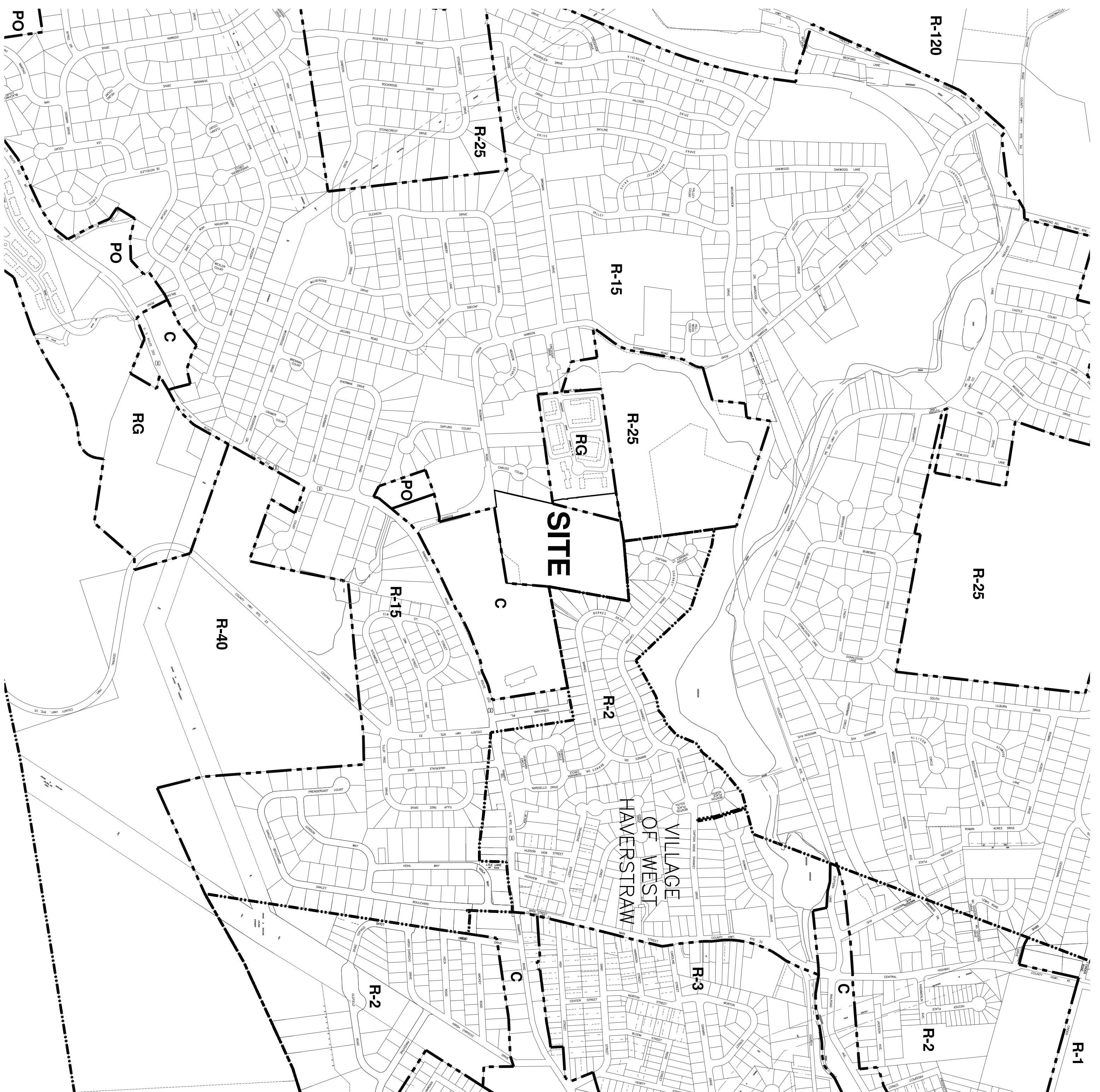
DETAILS (SHEET 3)
N.T.S.

OAK TREE APARTMENTS
TOWN OF HAVENSTAM
ROCKLAND COUNTY, NEW YORK

SPARCO & YOUNGBLOND, PLLC
CIVIL ENGINEERING & LAND SURVEYING
SITE PLANNING



FILE	5Y-1385
DATE	APR. 19, 2021
SCALE	AS NOTED
DWG #	16 OF 17



KEY MAP
 FOR
OAK TREE APARTMENTS
 LOCATED IN
 VILLAGE OF WEST
 HAVERSTRAW
 ROCKLAND COUNTY, NEW YORK

ALL UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER FROM THE SURFACE OF THE LAND. THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH, AND CHARACTER OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. ANY DAMAGE TO UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S SURFACE OF THE LANDS MAY NOT BE SHOWN ON THIS DRAWING.



SPARCO & YONKALOOD, PLLC
 CIVIL ENGINEERING • LAND SURVEYING
 SITE PLANNING

18 NORTH MAIN STREET
 PO BOX 818
 LARSEN, NY 10943
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 FAX: (843) 782-5300
 WWW.SPACONYSURV.COM

APR. 19, 2021
 1" = 500'

FILE 5Y-1385
 DATE
 SCALE
 DWG 17 OF 17