

EXISTING COVERAGE TABLE:

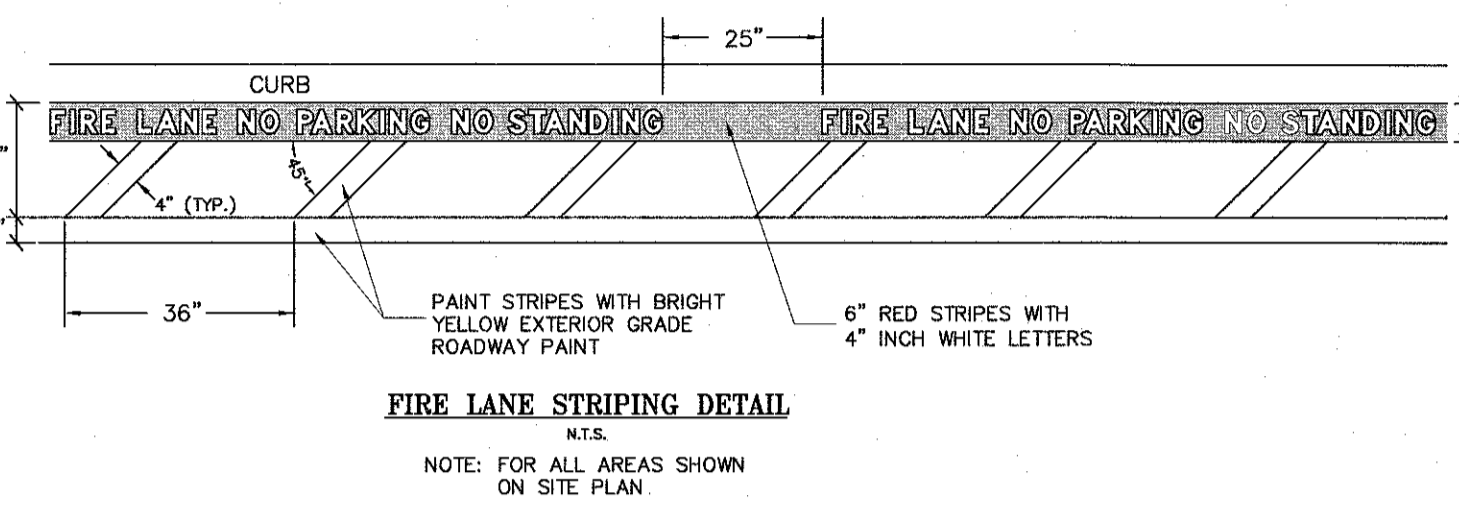
BUILDING COVERAGE:	6,820 SQ. FT.
CONCRETE COVERAGE:	875 SQ. FT.
PAVEMENT COVERAGE:	24,700 SQ. FT.
TOTAL COVERAGE:	32,395 SQ. FT. OR 0.743 ACS.

PROPOSED COVERAGE TABLE:

BUILDING COVERAGE:	9,480 SQ. FT.
CONCRETE COVERAGE:	820 SQ. FT.
PAVEMENT COVERAGE:	15,100 SQ. FT.
TOTAL COVERAGE:	25,400 SQ. FT. OR 0.583 ACS.

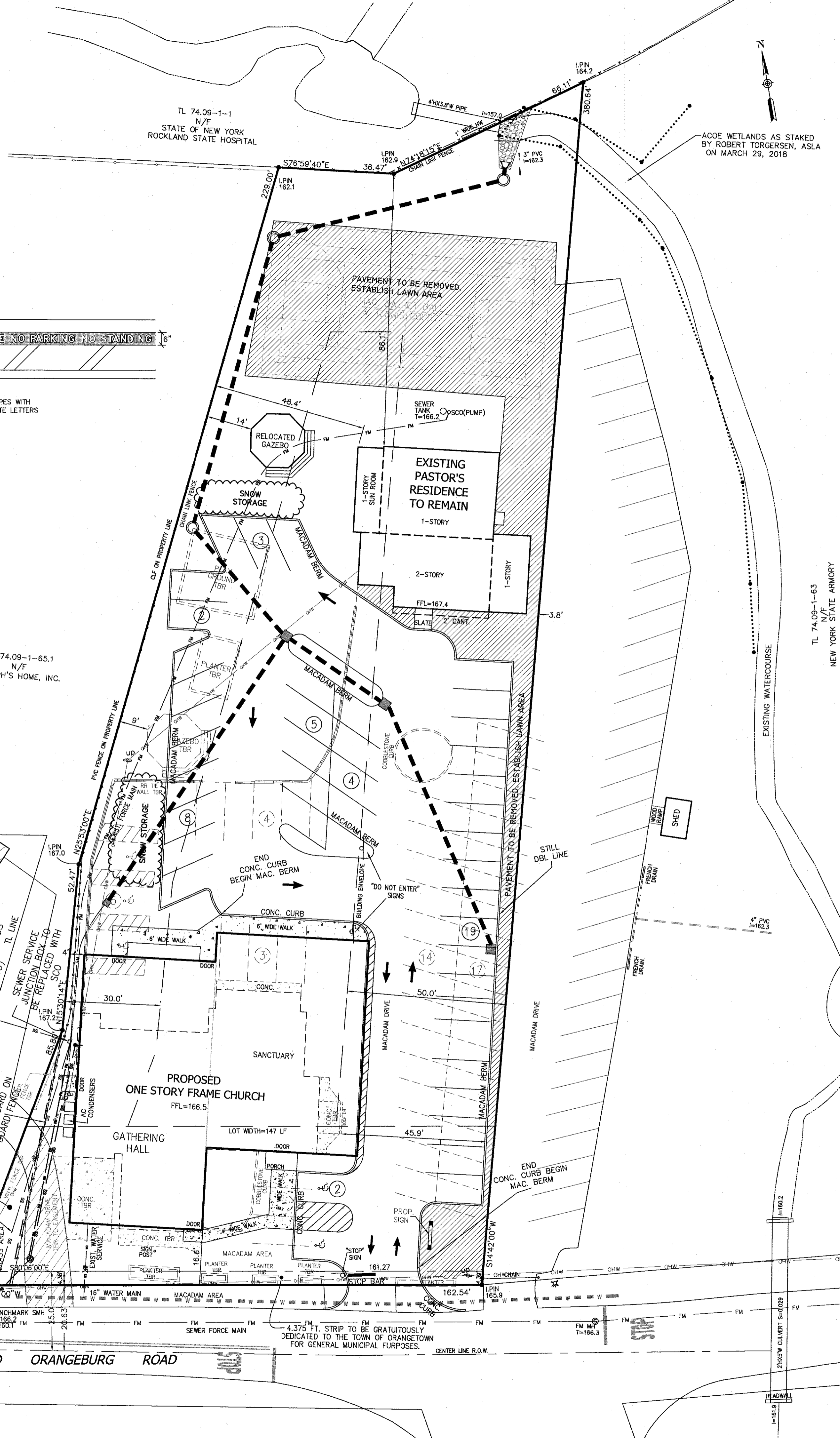
AREA OF DISTURBANCE:

MACADAM PAVEMENT TBR:	7,280 SQ. FT.
MACADAM PAVEMENT REMAIN & PROPOSED:	16,560 SQ. FT.
BUILDING TO REMAIN:	2,390 SQ. FT.
RELOCATION PROPOSED:	6,780 SQ. FT.
RELOCATION GAZEBO:	305 SQ. FT.
MACADAM & CONC. AREA OVERLAY:	3,920 SQ. FT.
TOTAL:	36,930 SQ. FT.

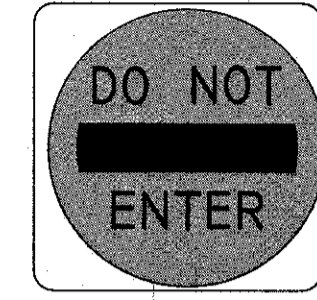


LEGEND

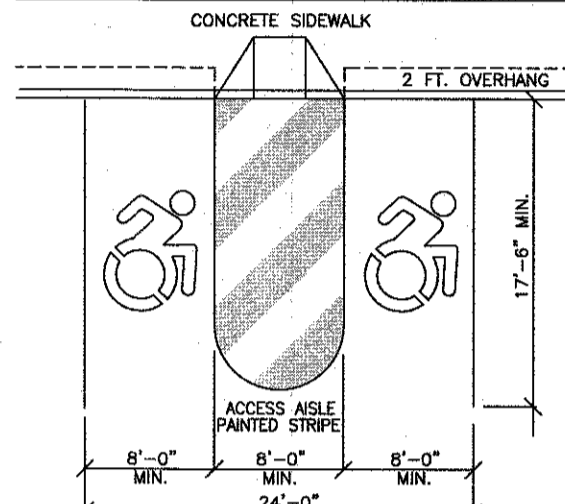
- - - - - EXISTING 2' CONTOUR
- - - - - EXISTING 10' CONTOUR
- - - - - EXISTING WATERLINE
- - - - - EXISTING FIRE HYDRANT
- - - - - EXISTING GAS LINE
- - - - - EXISTING CATCH BASIN
- - - - - EXISTING STORM DRAIN LINE
- ⊙ SMH EXISTING SEWER MANHOLE
- - - - - EXISTING SEWER LINE
- - - - - EXISTING SPOT ELEVATION
- - - - - EXISTING STONEMAN
- ⊙ EXISTING SIGN
- ⊙ EXISTING LIGHT POLE
- ⊙ EXISTING UTILITY POLE
- TC TOP OF CURB
- DC DROP OF CURB
- TW TOP OF WALL
- BW BOTTOM OF WALL
- MACADAM TO BE REMOVED
- PROPOSED WALK



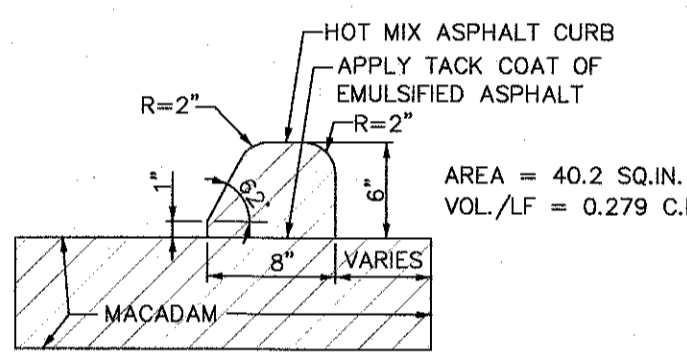
STOP SIGN DETAIL
N.T.S.



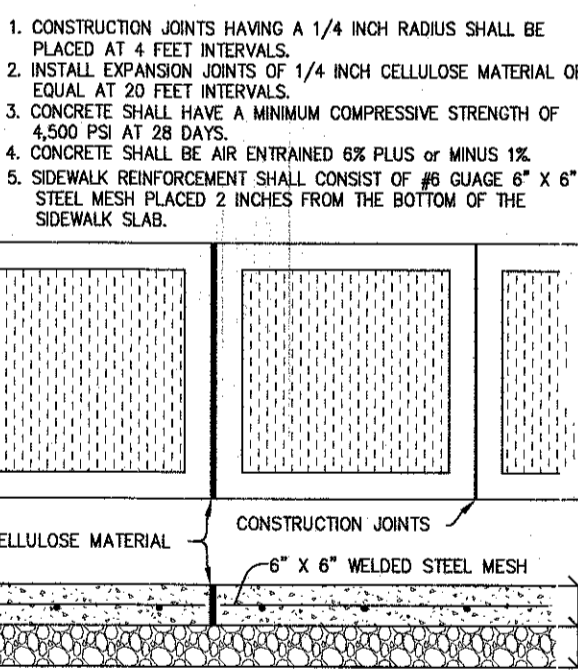
DO NOT ENTER SIGN DETAIL
N.T.S.



ACCESSIBLE PARKING DETAIL
N.T.S.



MACADAM BERM DETAIL
N.T.S.



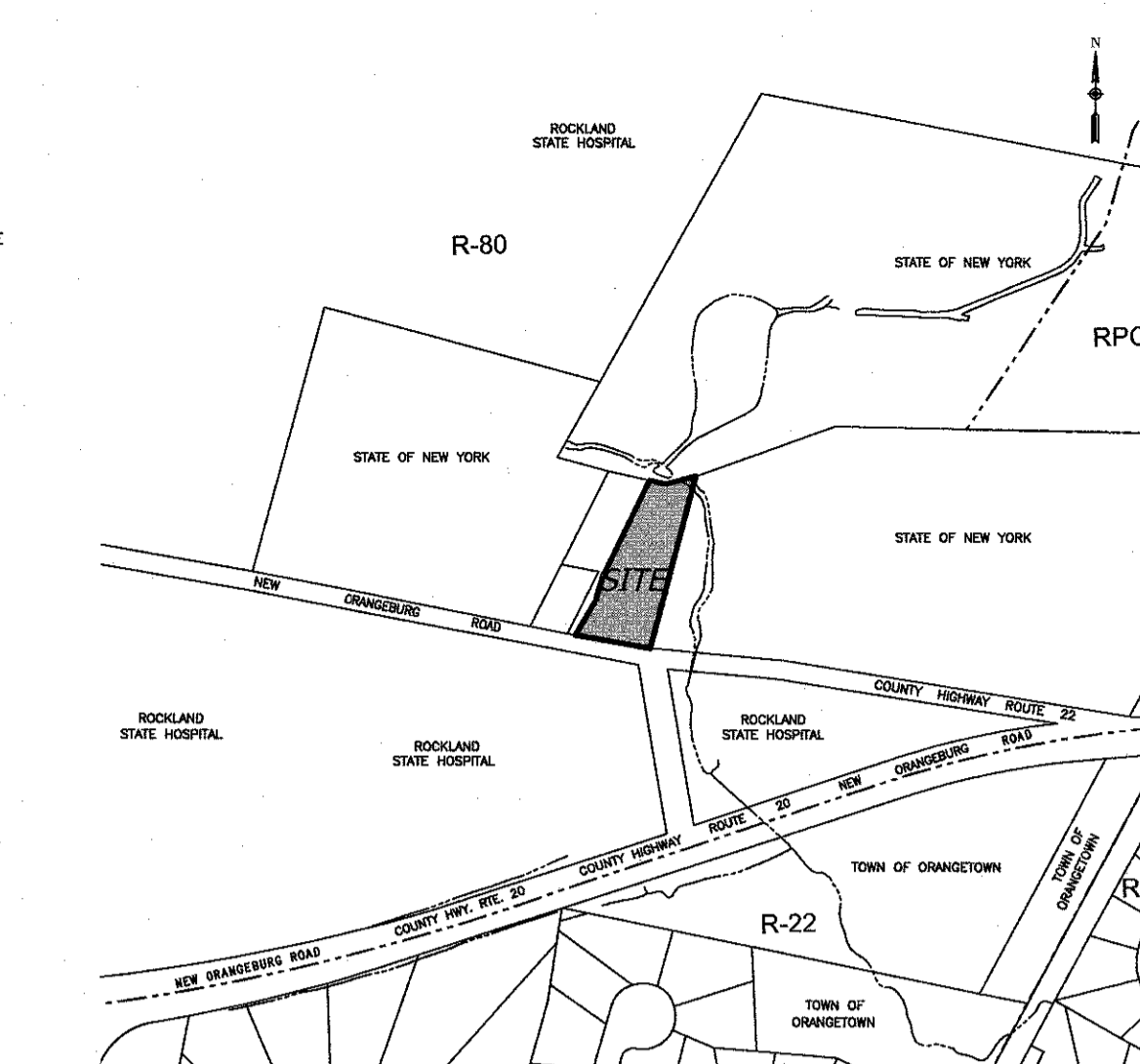
CONCRETE SIDEWALK
N.T.S.

DRAWING LIST

DRAWING No.	TITLE	ORIGIN DATE	LAST REVISION
DRAWING 1	SITE PLAN	JUNE 16, 2018	JANUARY 14, 2020
DRAWING 2	EXISTING SITE	JUNE 16, 2018	JANUARY 14, 2020
DRAWING 3	GRADING PLAN	JUNE 16, 2018	JANUARY 14, 2020
DRAWING 4	EROSION & SEDIMENT CONTROL PLAN	JUNE 16, 2018	JANUARY 14, 2020
DRAWING 5	LANDSCAPE & LIGHTING PLAN	JUNE 16, 2018	JANUARY 14, 2020

NOTES:

- ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE SHALL BE INSTALLED UNDERGROUND.
- NO BUILDING PERMIT WILL BE ISSUED UNTIL SEWAGE DISPOSAL ARRANGEMENTS HAVE BEEN APPROVED BY THE ROCKLAND COUNTY HEALTH DEPARTMENT AND/OR THE TOWN OF ORANGETOWN.
- LOT DRAINAGE ON THIS PLAN SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND SHALL NOT BE DISTURBED.
- ANY EXISTING UTILITIES (POLES, HYDRANTS, ETC.) AFFECTED BY CONSTRUCTION OF THIS SITE SHALL BE RELOCATED AT THE DEVELOPER'S EXPENSE PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY.
- NO OPEN BURNING DURING CONSTRUCTION WITHOUT SPECIFIC PERMISSION FROM NEW YORK STATE DEPARTMENT OF HEALTH.
- DATUM: NAVD 1988-SEWER MANHOLE IN OLD ORANGETOWN ROAD ELEV.=168.2
- NO BUILDING PERMIT SHALL BE ISSUED UNTIL RESULTS OF TEST PITS HAVE BEEN SUBMITTED TO THE BUILDING DEPARTMENT.
- DURING THE COURSE OF CONSTRUCTION, ALL STORM DRAIN INLETS SHALL BE PROTECTED WITH A HAY BALE FILTER (SEE DETAIL).
- ALL AREAS DISTURBED BY ONSITE GRADING SHOULD BE LIMED AND FERTILIZED PRIOR TO SEEDING.
- THE NEW CORNERS OF ALL LOTS SHALL BE MARKED WITH METAL RODS 3/4" IN DIAMETER, AND AT LEAST 30" IN LENGTH (TO BE INSTALLED AFTER FINAL GRADING). SAID PINS SHOWN THIS WAY.
- THIS SITE PLAN IS SUBJECT TO DETAILS OF GRADING, ROADS AND UTILITIES AS SHOWN ON CONSTRUCTION DRAWINGS APPROVED BY THE PLANNING BOARD AND FILED WITH THE TOWN CLERK.
- SIDEWALKS AND CURBS SHALL BE INSTALLED IN ACCORDANCE WITH HIGHWAY DEPARTMENT SPECIFICATIONS.
- TEMPORARY SEDIMENT ENTRAPMENT AREAS SHALL BE PROVIDED AS SHOWN TO INTERCEPT AND CLARIFY SILT LADEN RUNOFF FROM THE SITE. THESE ARE TO BE LOCATED ON OR MAY BE CREATED UTILIZING EARTHEN BEAMS, RIP-RAP OR CRUSHED STONE DAMS, HAY BALES, OR OTHER SUITABLE MATERIALS. DIVERSION CHANNELS, BEAMS OR CHANNELIZATION SHALL BE CONSTRUCTED TO INSURE THAT ALL SILT LADEN WATERS ARE DEFLECTED INTO THE ENTRAPMENT AREAS WHICH SHALL NOT BE PERMITTED TO FILL IN, BUT SHALL BE CLEANED PERIODICALLY DURING THE COURSE OF CONSTRUCTION. THE COLLECTED SILT SHALL BE DEPOSITED IN AREAS SAFE FROM FURTHER EROSION.
- ALL DISTURBED AREAS, EXCEPT ROADWAYS, WHICH WILL REMAIN UNFURNISHED FOR MORE THAN THIRTY (30) DAYS SHALL BE TEMPORARILY SEEDED WITH 1/2 LB. OF FINE GRASS OR MULCH WITH 100 LBS. OF STRAW OR HAY PER 1,000 SQUARE FEET. ROADWAYS SHALL BE STABILIZED AS PRACTICABLE BY THE INSTALLATION OF THE BASE COURSE.
- SILT THAT LEAVES THE SITE IN SPITE OF THE REQUIRED PRECAUTIONS SHALL BE COLLECTED AND REMOVED AS DIRECTED BY APPROPRIATE MUNICIPAL AUTHORITIES.
- AT THE COMPLETION OF THE PROJECT ALL TEMPORARY SILTATION DEVICES SHALL BE REMOVED AND THE AFFECTED AREAS REGRADED, PLANTED, OR TREATED IN ACCORDANCE WITH THE APPROVED SITE PLANS.
- PERMANENT VEGETATION COVER SPECIFICATIONS:
LAWN AREA - PER 1,000 S.F.
15 LBS. 10-6-4 50% SLOW RELEASE FERTILIZER
70 LBS. GRANULATE LIMESTONE
4 LBS. SEED MIXTURE
40% KENTUCKY BLUE
40% RED FESCUE
20% PERENNIAL RYEGRASS
- THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239 LAM OF THE GENERAL MUNICIPAL LAW.
- CERTIFICATE OF OCCUPANCY SHALL NOT BE REQUESTED FROM THE TOWN OF ORANGETOWN. BUILDING DEPARTMENT RESULTS OF INSPECTION AND VERIFICATION OF THE SANITARY SEWERS ARE CERTIFIED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER AND APPROVED BY THE DIRECTOR, DIVISION OF SEWERS.
- AT LEAST ONE WEEK PRIOR TO THE COMMENCEMENT OF ANY WORK, INCLUDING THE INSTALLATION OF EROSION CONTROL DEVICES OR THE REMOVAL OF TREES AND VEGETATION, A PRECONSTRUCTION MEETING MUST BE HELD WITH THE TOWN SUPERINTENDENT OF HIGHWAYS AND THE OFFICE OF BUILDING, ZONING AND PLANNING ADMINISTRATION AND ENFORCEMENT. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO ARRANGE SUCH A MEETING.
- TREE PROTECTION:
A TREE PROTECTION PROGRAM WILL BE IMPLEMENTED IN ORDER TO PROTECT AND PRESERVE BOTH INDIVIDUAL SPECIMEN TREES AND BUFFER AREAS WITH MANY TREES. STEPS, WHICH WILL BE TAKEN TO PRESERVE AND PROTECT TREES, ARE AS FOLLOWS:
A) NO CONSTRUCTION EQUIPMENT SHALL BE PARKED UNDER THE TREE CANOPY.
B) THERE WILL BE NO EXCAVATION OR STOOPING OF EARTH UNDERNEATH THE TREES.
C) TREES TO BE PRESERVED SHALL BE MARKED CONSPICUOUSLY ON ALL SIDES.
D) TREES TO BE SAVED WILL BE FENCED AT THE OUTER BERM LINE.
E) NO DIRTY FILLS GREATER THAN 6" IN DEPTH WILL BE MADE BENEATH TREES TO BE PRESERVED.
F) IN FILL AREAS, TREES WILL BE PRESERVED IN TREE WELLS, OR THROUGH THE USE OF RETAINING WALLS.
G) IN CUT AREAS, TREES WILL BE PRESERVED WITH RETAINING WALLS.
- ADDITIONAL CERTIFICATION, BY AN APPROPRIATE LICENSED OR CERTIFIED DESIGN PROFESSIONAL SHALL BE REQUIRED FOR ALL MATTERS BEFORE THE PLANNING BOARD INDICATING THAT THE DRAINAGES AND PROJECT ARE IN COMPLIANCE WITH THE STORMWATER MANAGEMENT PHASE TWO REGULATIONS.



PARKING REQUIREMENTS:

- CHURCH:**
1 SPACE PER 200 SQ.FT. OF GROSS FLOOR AREA BUT NOT LESS THAN 1 SPACE FOR EACH 5 SEATS
6,780 S.F. ÷ 1 SPACE/200 S.F. = 33.9 OR 34 SPACES
200 SEATS ÷ 1 SPACE/5 SEATS = 40
- RESIDENCE:**
1 SPACE PER 1/2 DWELLING
2 SPACES FOR PASTOR'S RESIDENCE
- TOTAL REQUIRED SPACES = 42 SPACES**
TOTAL PROVIDED SPACES = 43 SPACES

LOT AREA COMPUTATION:

-	44,881 SQ. FT.
-	108 SQ. FT. (50% OF WETLANDS)
+	354 SQ. FT. 50% ROAD WIDENING STRIP
TOTAL	45,127 SQ. FT. OR 1.0360 ACRES NET

BULK REQUIREMENTS

ZONES R-80 GROUP B	REQUIRED/PERMITTED	EXISTING	PROPOSED
MAXIMUM FLOOR AREA RATIO	0.1	0.16	0.22*
MINIMUM LOT AREA	5 ACRES	1.0466 ACS.	1.0360 ACS.*
MINIMUM LOT WIDTH	400 FT.	147 FT.	146 FT.
MINIMUM STREET FRONTAGE	50 FT.	162.5 FT.	161 FT.
FRONT YARD	50 FT.	16.6 FT.	12.0 FT.*
SIDE YARD	30 FT.	3.8 FT.	4 FT.*
TOTAL SIDE YARD	100 FT.	8.6 FT.	7.8 FT.*
REAR YARD	50 FT.	86.1 FT.	86.1 FT.
MAXIMUM BUILDING HEIGHT	8 IN./FT.	12 FT.	23 FT.*

* DENOTES REQUIRED VARIANCES GRANTED ON NOVEMBER 7, 2018, ZBA #18-79
REQUIRED VARIANCE FOR SIGN IN A RESIDENTIAL ZONE, SIGN AREA 20 SQ.FT. PERMITTED, 32 SQ.FT. REQUESTED AND SIGN SETBACK 25 FT. REQUIRED, 10 FT. (FRONT) AND 5 FT. (SIDE) REQUESTED GRANTED ON MAY 1, 2019, ZBA #19-41.

REVISION	DATE	DESCRIPTION
5	01-14-20	ADDITIONAL SEWER & WATER INFO
4	05-03-19	REV. PER PRELIMINARY APPROVAL
3	12-07-18	FOR ACABOR SUBMISSION
2	09-14-18	FOR ZBA SUBMISSION
1	07-18-18	PER DIRECTOR OBPZAE 07-17-18

ATZL, NASHER & ZIGLER P.C.
ENGINEERS-SURVEYORS-PLANNERS
232 North Main Street
New City, New York 10956
Tel: (845) 634-4694
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E-mail: info@anzny.com
Web: www.ANZNY.com

PROJECT: **BETHANY MAR THOMA CHURCH**

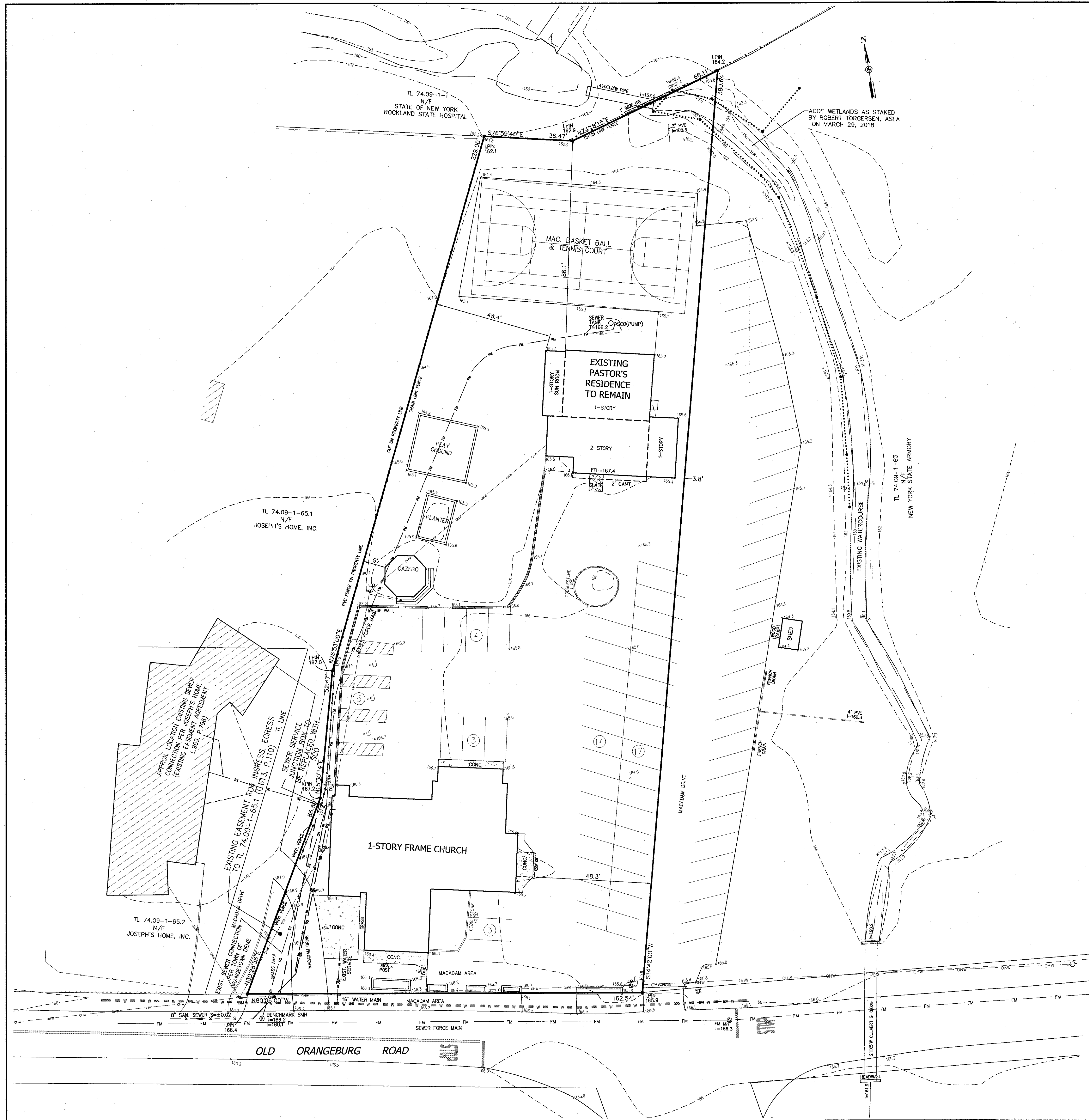
TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK

SITE DEVELOPMENT PLAN

DRAWN BY: LF	CHECKED BY: JRA
DATE: JUNE 16, 2018	SCALE: 1 IN. = 20 FT.
PROJECT NO: 4491	DRAWING NO: 1

RYAN A. NASHER, P.E.
N.Y.S. P.E. LIC. NO. 89066

JOHN R. ATZL
N.Y.S. P.E. LIC. NO. 60228



LEGEND

- 30 --- EXISTING 2' CONTOUR
- 60 --- EXISTING 10' CONTOUR
- W --- EXISTING WATERLINE
- 100 --- EXISTING FIRE HYDRANT
- G --- EXISTING GAS LINE
- CB --- EXISTING CATCH BASIN
- 12 --- EXISTING STORM DRAIN LINE
- SMH --- EXISTING SEWER MANHOLE
- S --- EXISTING SEWER LINE
- + 346.0 --- EXISTING SPOT ELEVATION
- 10 --- EXISTING STONEWALL
- 10 --- EXISTING SIGN
- ☆ LP --- EXISTING LIGHT POLE
- UP --- EXISTING UTILITY POLE
- TC --- EXISTING TOP OF CURB
- DC --- DROP OF CURB
- TW --- TOP OF WALL
- BW --- BOTTOM OF WALL

BULK REQUIREMENTS

ZONES R-80 GROUP B	REQUIRED/PERMITTED	EXISTING
MAXIMUM FLOOR AREA RATIO	0.1	0.16
MINIMUM LOT AREA (SQ.FT.)	5 ACRES	1.0466
MINIMUM LOT WIDTH	400 FT.	147 FT.
MINIMUM STREET FRONTAGE	50 FT.	162.5 FT.
FRONT YARD	50 FT.	16.6 FT.
SIDE YARD	30 FT.	3.8 FT.
TOTAL SIDE YARD	100 FT.	8.6 FT.
REAR YARD	50 FT.	86.1 FT.
MAXIMUM BUILDING HEIGHT	8 IN./FT.	12 FT.

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PROJECT:
BETHANY MAR THOMA CHURCH

TOWN OF ORANGETOWN
 ROCKLAND COUNTY, NEW YORK

TITLE:
EXISTING SITE

DRAWN BY: LF	CHECKED BY: JRA
DATE: JUNE 16, 2018	SCALE: 1 IN. = 20 FT.
PROJECT NO: 4491	DRAWING NO: 2

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY MAP BEARING A LICENSED AND SURVEYOR'S EMBOSSED SEAL IS A VIOLATION OF SECTION 2205, SUBSECTION 2 OF THE NEW YORK STATE EDUCATION LAW.

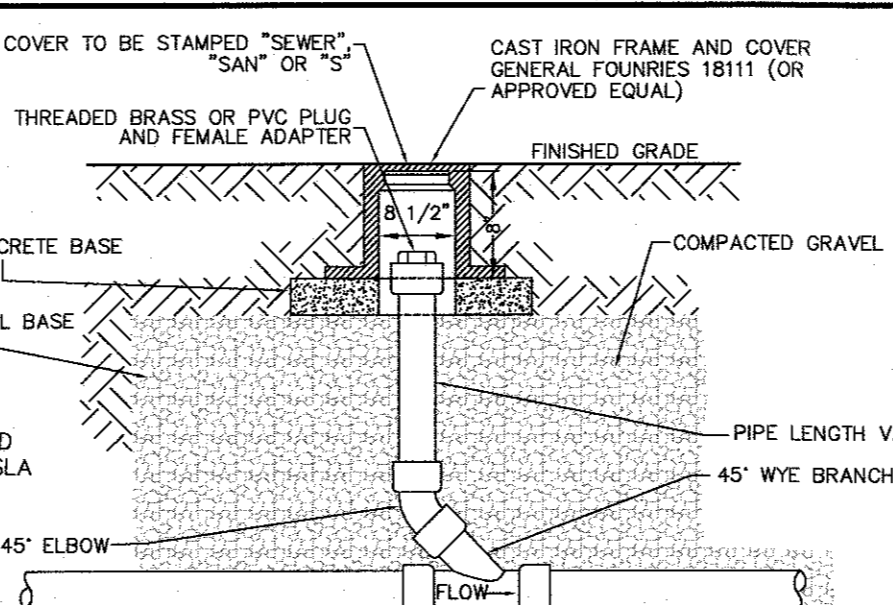
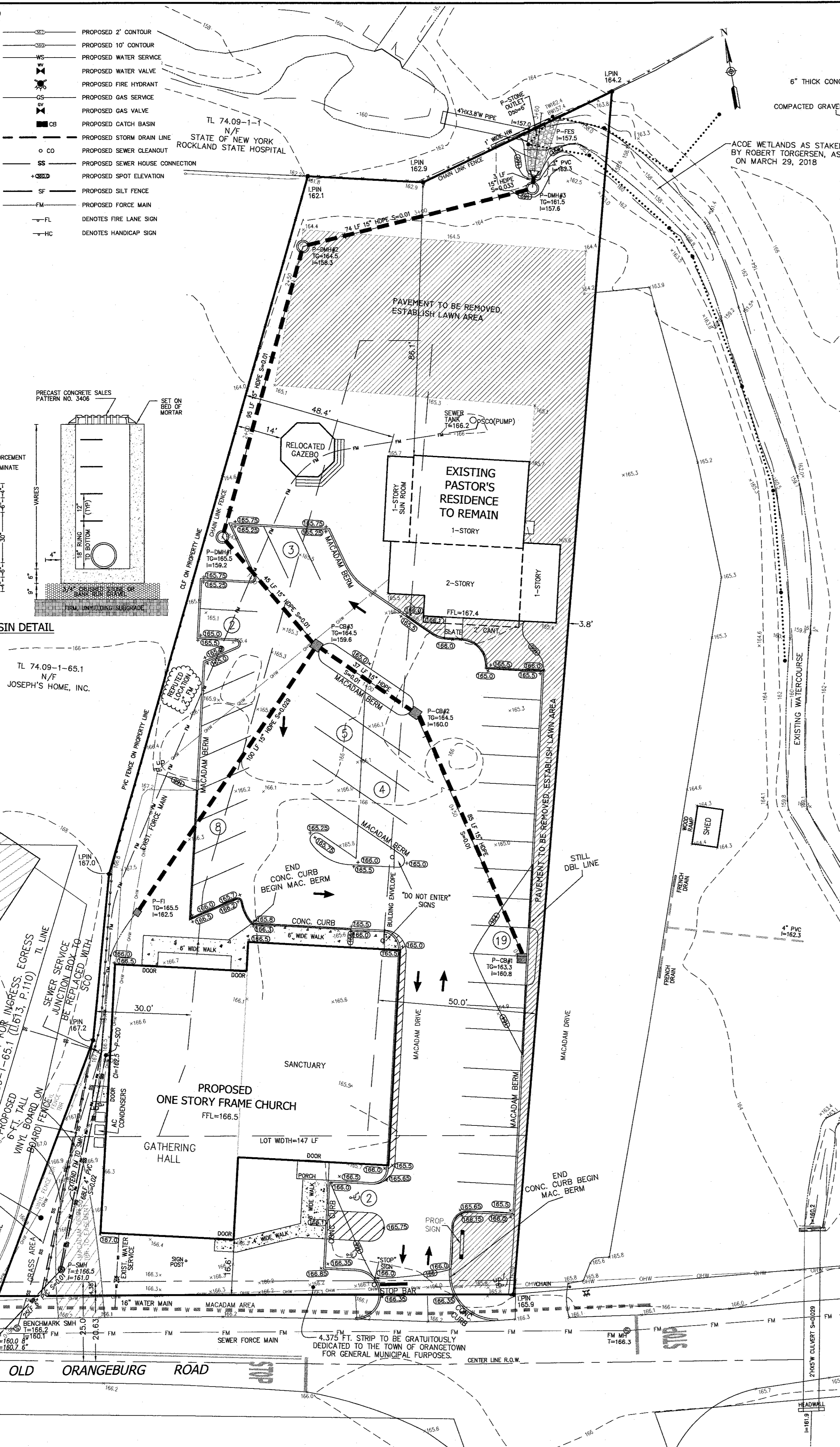
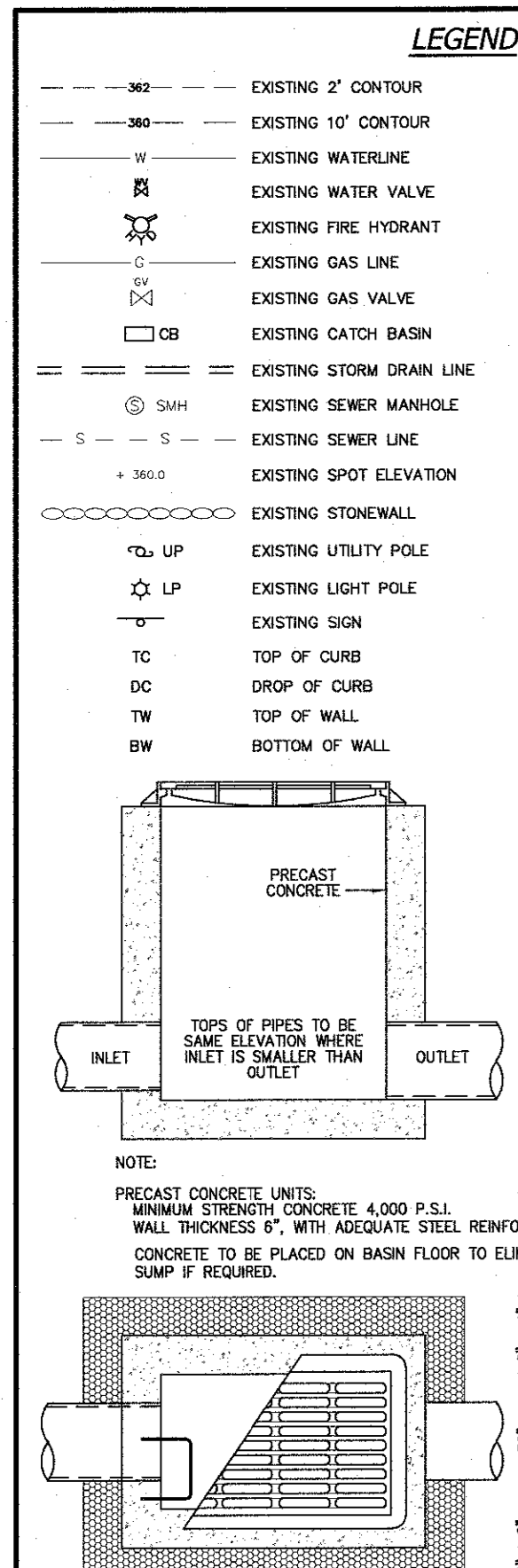
THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON, ATTEMPTING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, MAKE SUCH ALTERATIONS AS MADE. THE PROFESSIONAL ENGINEER MUST SIGN, SEAL, DATE AND DESIGNE THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS. CIVIL EDUCATION LAW SECTION 2205(2)

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RYAN A. NASHER, P.E.
 N.Y.S. P.E. LIC. NO. 89066

JOHN R. ATZL
 N.Y.S. P.L.S. LIC. NO. 80228



SEWER CLEAN OUT DETAIL
N.T.S.

COVER TO BE STAMPED "SEWER", "SAN" OR "S"

CAST IRON FRAME AND COVER GENERAL FOUNDRIES 18111 (OR APPROVED EQUAL)

THREADED BRASS OR PVC PLUG AND FEMALE ADAPTER

FINISHED GRADE

COMPACTED GRAVEL BASE

6" THICK CONCRETE BASE

PIPE LENGTH VARIES

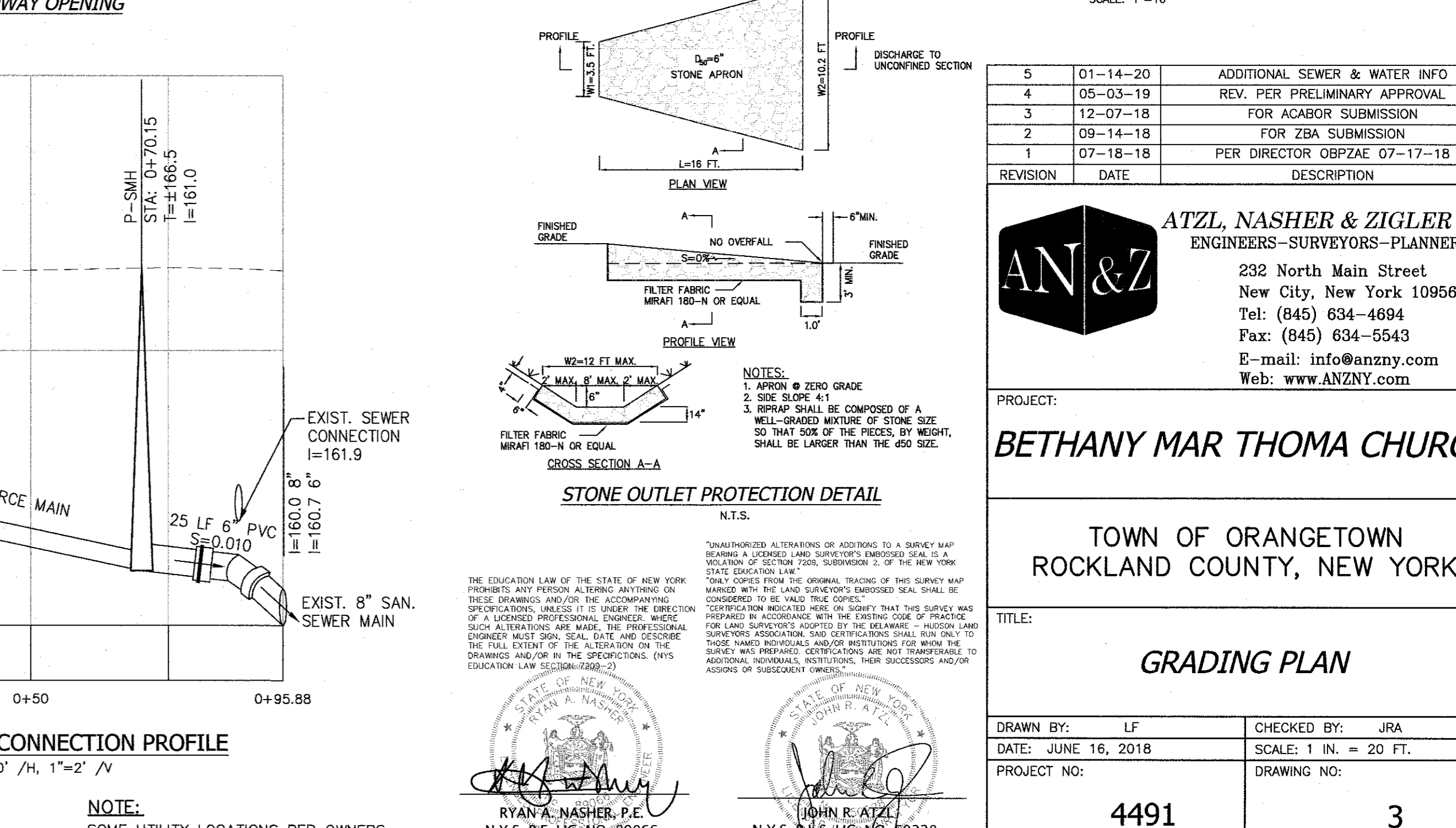
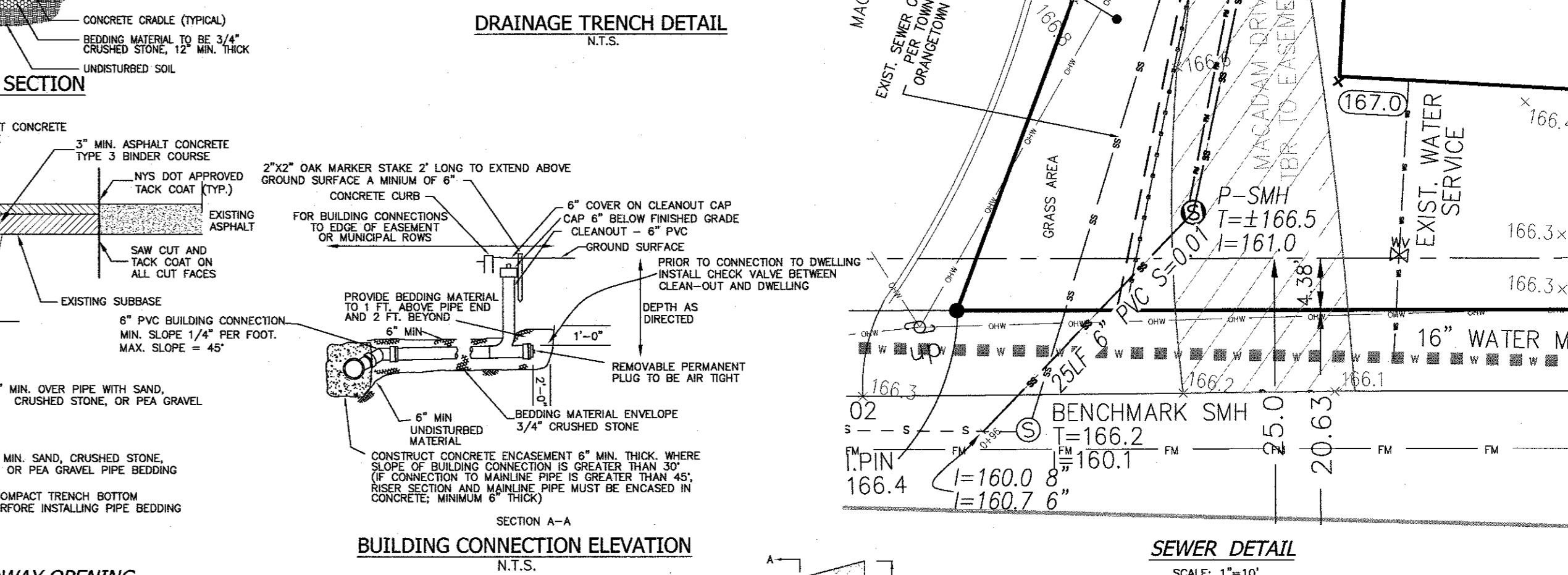
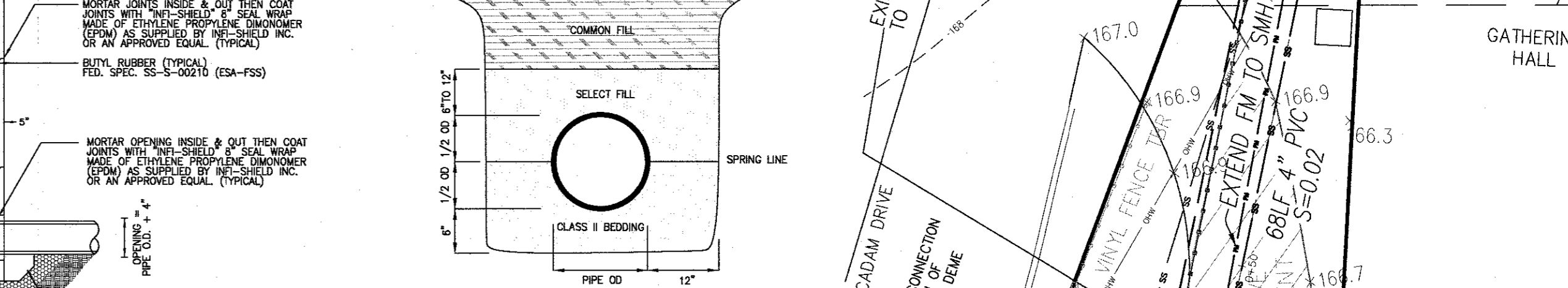
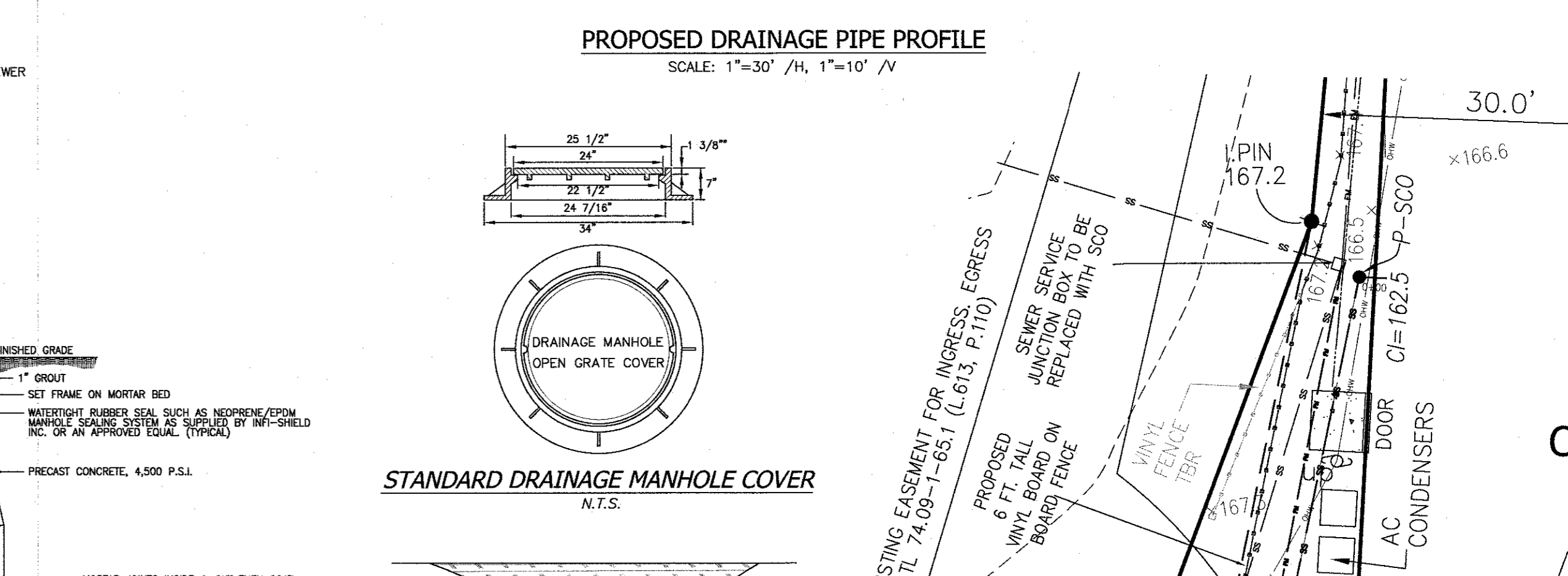
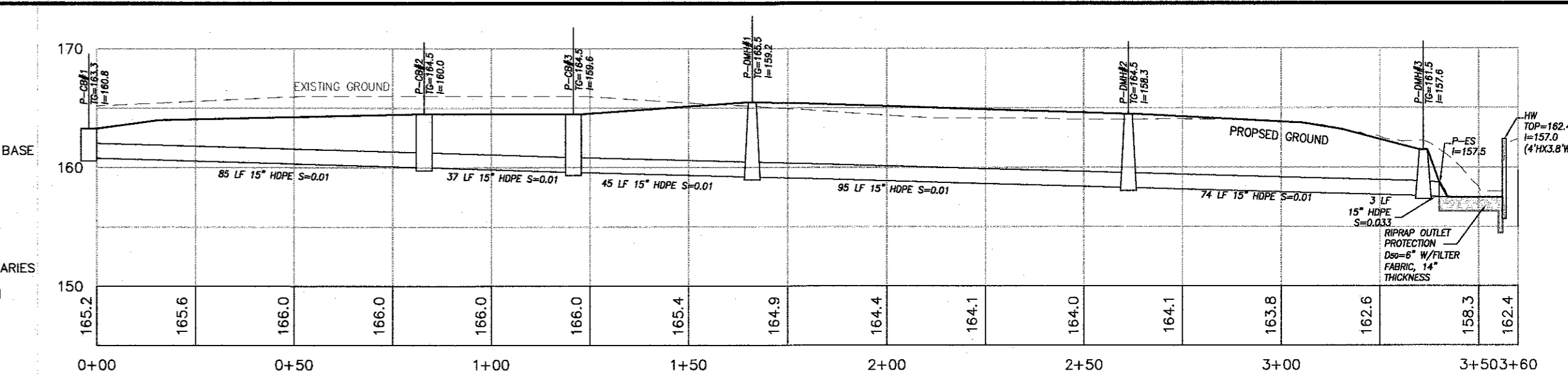
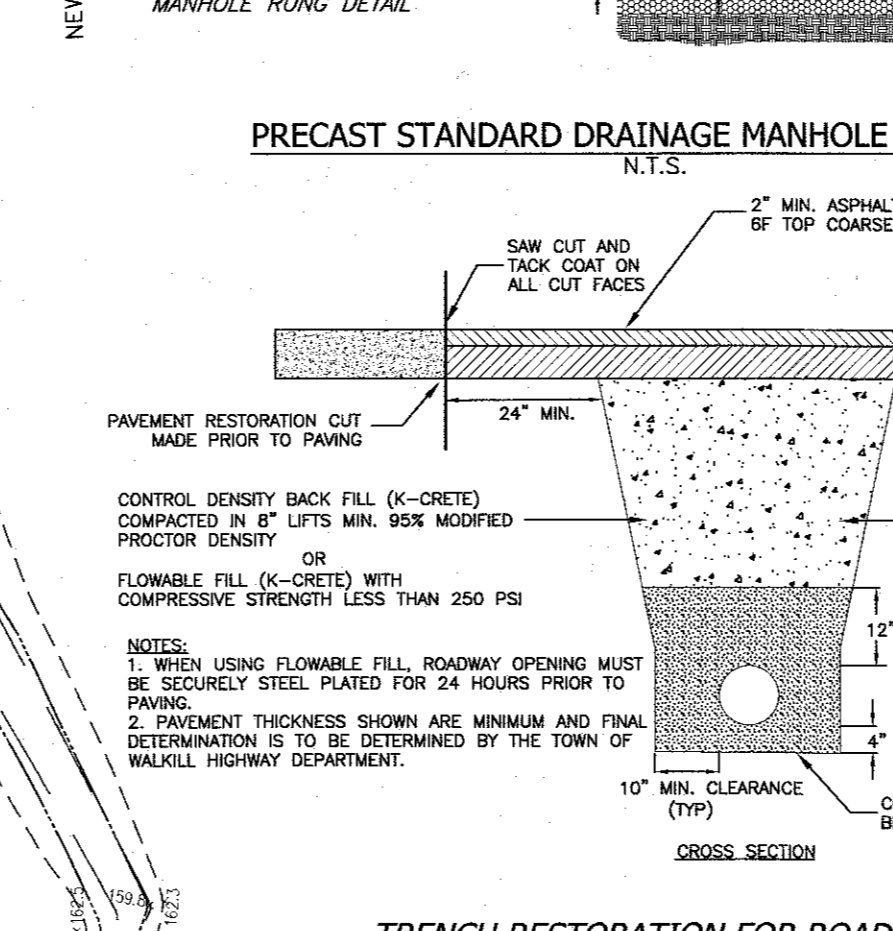
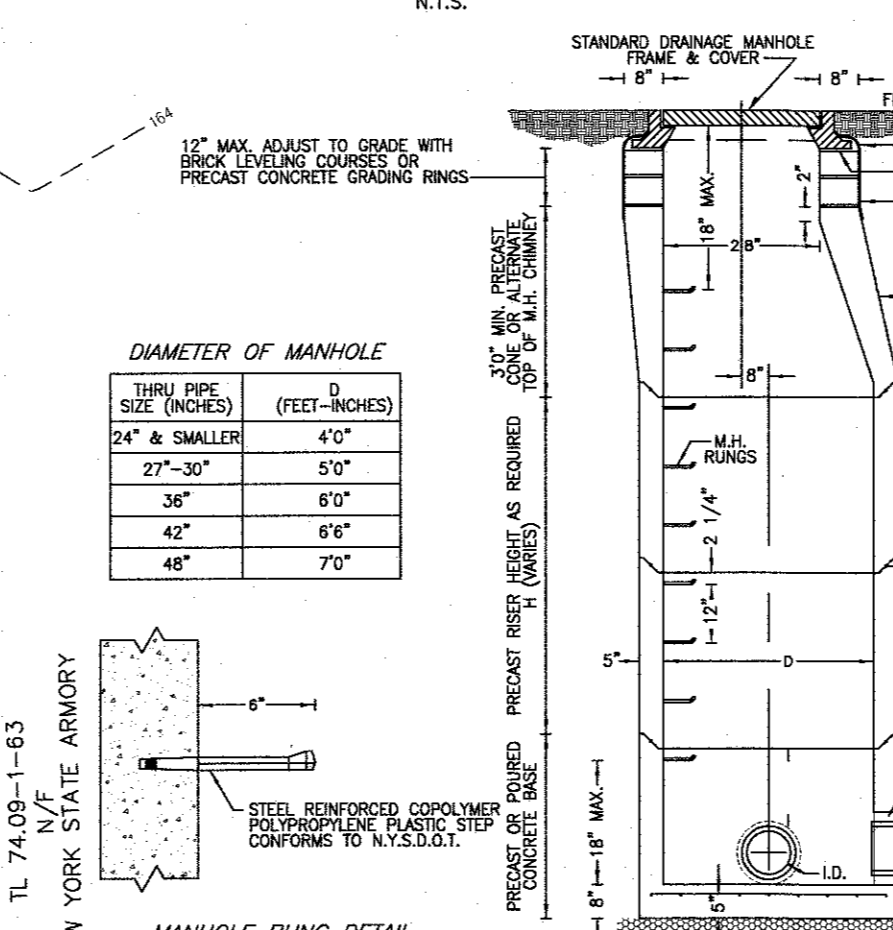
45° ELBOW

45° WYE BRANCH

UNDISTURBED EARTH

BUILDING LATERAL SEWER

NOTE:
1. EACH BUILDING SEWER SHALL HAVE A CLEANOUT INSTALLED APPROXIMATELY 2' DOWNSTREAM OF THE BUILDING PIPE TO BUILDING SEWER CONNECTION. THEREAFTER, CLEANOUTS SHALL BE INSTALLED ALONG THE BUILDING SEWER APPROXIMATELY EVERY 75' (MAXIMUM). FOR THE PURPOSE OF CLEANOUT LOCATIONS DISTANCE SHALL BE MEASURED FROM THE FIRST CLEANOUT LOCATED DOWNSTREAM OF THE HOUSE PIPE TO BUILDING SEWER CONNECTION HENCE DOWNSTREAM ALONG THE BUILDING SEWER TO THE CENTER OF THE SEWER MAIN LINE (GENERALLY LOCATED IN THE CENTER OF THE STREET).
2. A CLEANOUT LOCATED IN A ROAD, DRIVEWAY OR PARKING AREA SHALL REQUIRE A CAMELL FOUNDRY #1644 CAST IRON FRAME AND COVER. (OR APPROVED EQUAL)



NOTE:
SOME UTILITY LOCATIONS PER OWNERS

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BETHANY MAR THOMA CHURCH

**TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK**

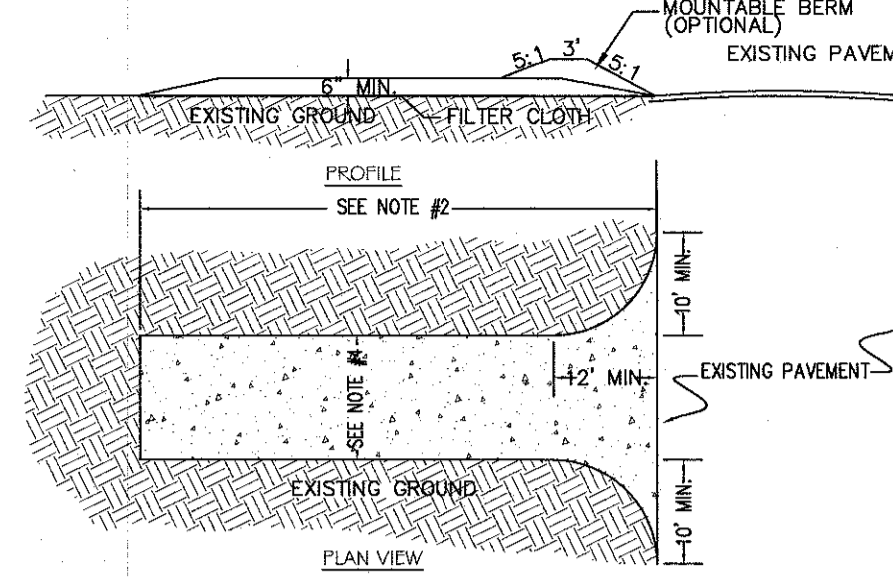
GRADING PLAN

DRAWN BY: LF	CHECKED BY: JRA
DATE: JUNE 16, 2018	SCALE: 1 IN. = 20 FT.
PROJECT NO:	DRAWING NO:
4491	3

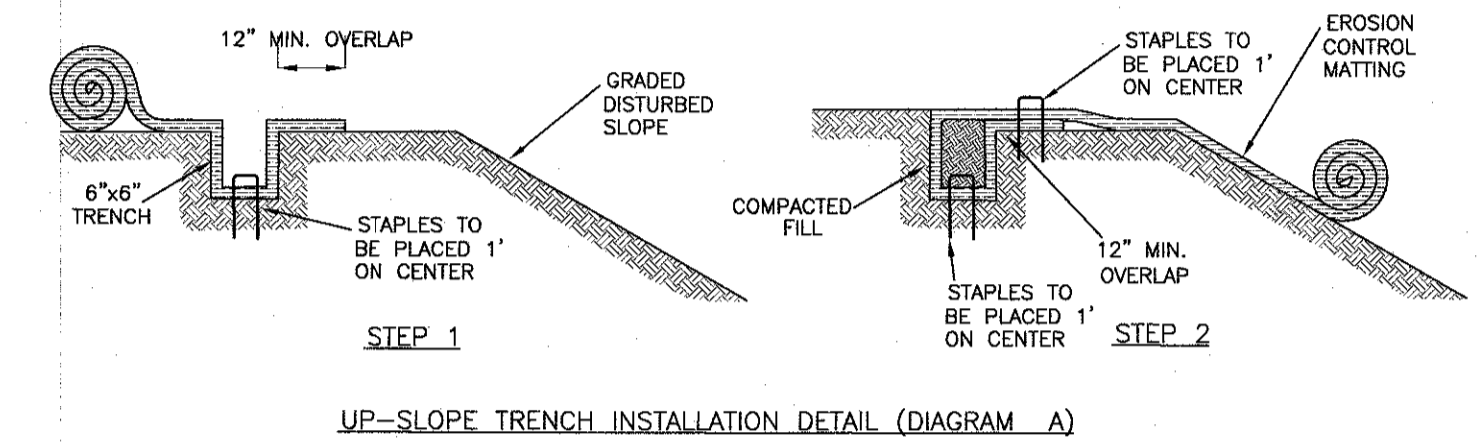
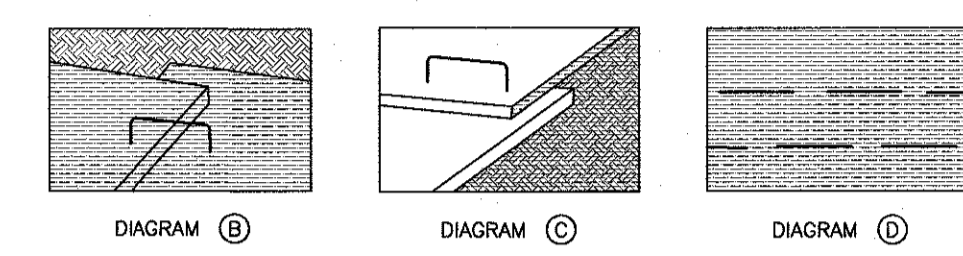
LEGEND

- 2' --- EXISTING 2' CONTOUR
- 10' --- EXISTING 10' CONTOUR
- W --- EXISTING WATERLINE
- F --- EXISTING FIRE HYDRANT
- S --- EXISTING SEWER LINE
- + 36.0 --- EXISTING SPOT ELEVATION
- --- EXISTING STONEWALL
- --- EXISTING SIGN
- --- EXISTING LIGHT POLE
- --- EXISTING LIGHT POLE
- --- TOP OF CURB
- --- DROP OF CURB
- --- TOP OF WALL
- --- BOTTOM OF WALL

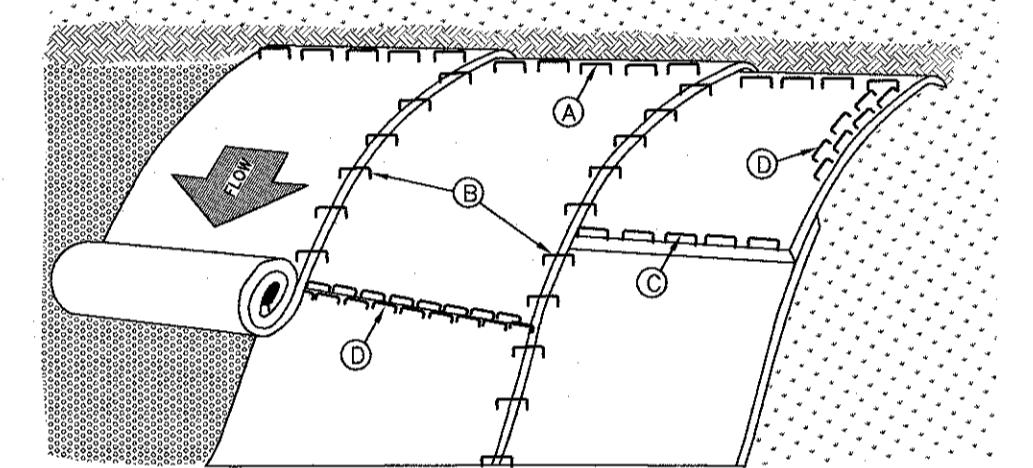
- SPECIFICATIONS FOR CONSTRUCTION ENTRANCE**
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH - NOT LESS THAN 50 FT. (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FT. MINIMUM LENGTH WOULD APPLY).
 - THICKNESS - NOT LESS THAN 6 IN.
 - WIDTH - 12 FT. MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCUR. 24 FT. IF SINGLE ENTRANCE TO SITE.
 - FILTER CLOTH - WILL BE LAYED OVER THE ENTIRE AREA PRIOR TO THE PLACEMENT OF STONE.
 - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH S-1 SLOPES WILL BE PERMITTED.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS TO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



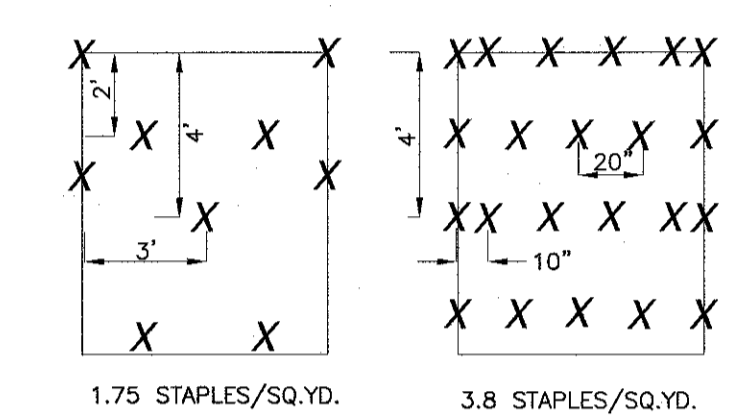
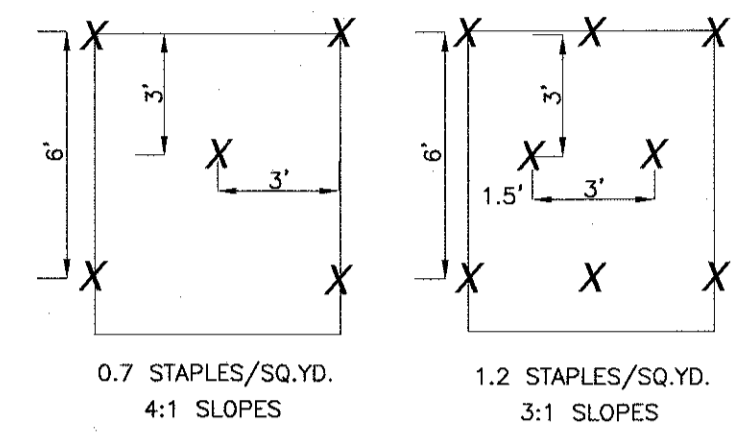
DETAIL #1 CONSTRUCTION ENTRANCE
N.T.S.



UP-SLOPE TRENCH INSTALLATION DETAIL (DIAGRAM A)
N.T.S.



DETAIL #4 EROSION CONTROL BLANKET DETAIL (ECS2 OR EQUAL)
N.T.S.



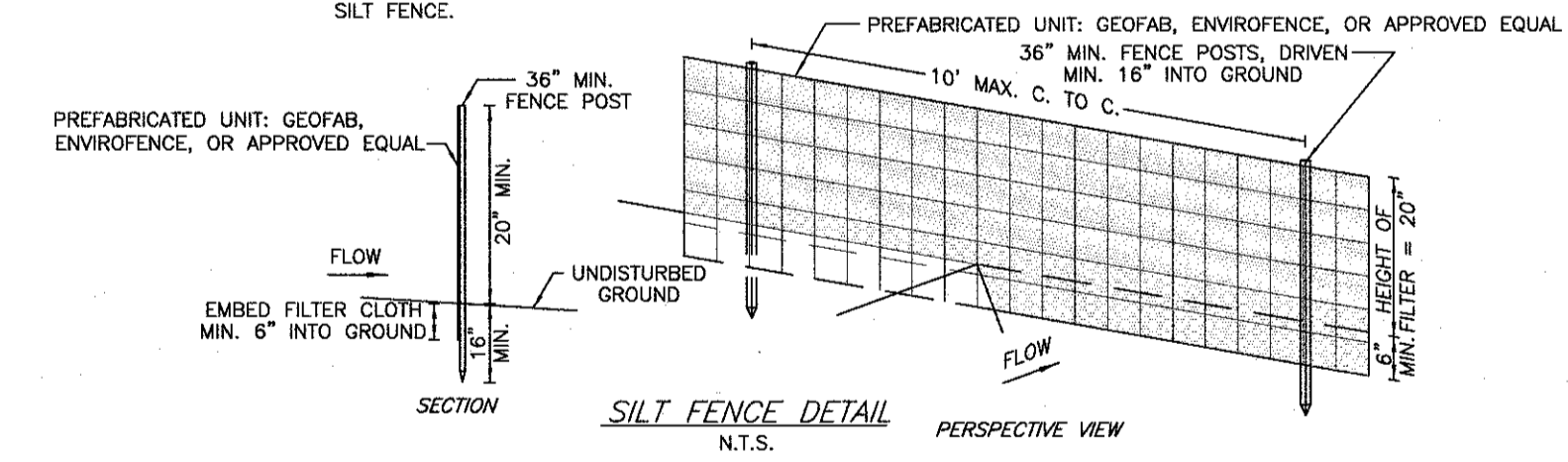
STAPLE PATTERNS

EROSION CONTROL BLANKET INSTALLATION GUIDELINES:

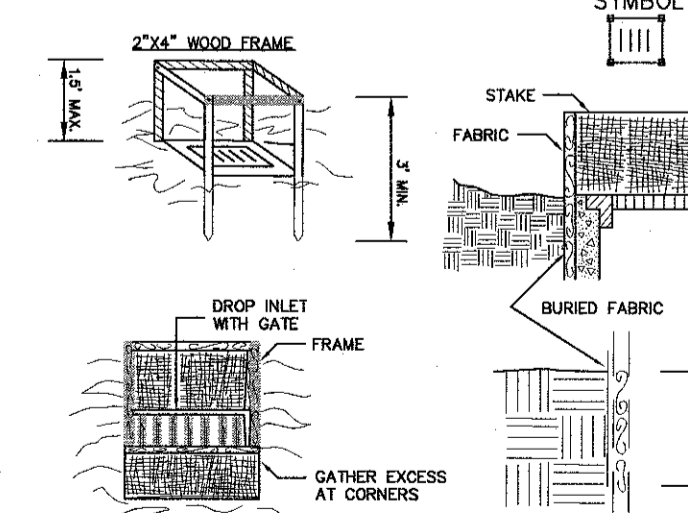
- DIG A 6" BY 6" TRENCH BOTH UP-SLOPE OF THE AREA THE MATTING IS TO BE APPLIED. PREPARE THE SLOPE SOIL SURFACE (RAKING, SEEDING AND FERTILIZING).
- BEGIN BY PLACING THE BLANKET A MINIMUM OF 12" DOWN-SLOPE OF THE UP-SLOPE/TRENCH. SECURE THE BLANKET AT THE BOTTOM OF THE TRENCH. APPLY SEED, AND FOLD THE BLANKET OVER SOIL, SECURE WITH A ROW OF STAPLES PLACED 12" APART ACROSS THE WIDTH OF THE BLANKET. (SEE DIAGRAM A)
- ROLL THE BLANKET VERTICALLY DOWN THE SLOPE. SECURE USING THE APPROPRIATE STAPLE PATTERN BELOW, SPECIFIED BY SLOPE (SEE STAPLE PATTERNS)
- PARALLEL BLANKETS MUST BE OVERLAPPED BY A MINIMUM OF 4", AND SECURED WITH A ROW OF STAPLES PLACED APPROXIMATELY 3'-0" APART. (SEE DIAGRAM B)
- ADDITIONAL VERTICAL BLANKETS CAN BE JOINED USING A MINIMUM 4" OVERLAPPING OR SHINGLE STYLE (SEE DIAGRAM C) IN THE DIRECTION OF WATER FLOW. CONNECT THE BLANKETS BY PLACING STAPLES APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKETS.
- FOR MAXIMUM PERFORMANCE A CHECK SLOT SHOULD BE PLACED AT 25'-40" INTERVALS. PLACE A ROW OF STAPLES 4" APART ALONG THE ENTIRE WIDTH OF THE SLOPE. A SECOND ROW SHOULD BE PLACED 4" BELOW IN A STAGGERED PATTERN. THEN CONTINUE WITH GENERAL INSTALLATION. (SEE DIAGRAM D)
- THE END BLANKET MUST BE SECURED IN A 6"x6" TRENCH WITH A ROW OF STAPLES PLACED AT 12" INTERVALS. (DIAGRAM E)

CONSTRUCTION NOTES FOR PRE-FABRICATED SILT FENCE

- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



SILT FENCE DETAIL
N.T.S.



CONSTRUCTION SPECIFICATIONS

- FILTER FABRIC SHALL HAVE AN EOR OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
- STAKE MATERIALS WILL BE STAINLESS 2" X 4" WOOD OR EQUIVALENT. A MINIMUM 18 INCHES DEEP. SPACES GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
- FABRIC SHALL BE DIRECTED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- A 2" X 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

DETAIL #3
FILTER FABRIC DROP INLET PROTECTION
N.T.S.

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY MAP OR ENGINEERING DRAWING ARE PROHIBITED. ANY SUCH ALTERATIONS OR ADDITIONS SHALL BE MADE BY THE LAND SURVEYOR'S EMBOSSED SEAL WHICH IS KEPT BY THE SURVEYOR OR HIS SUCCESSORS. THE EDUCATION LAW OF THE STATE OF NEW YORK, SECTION 1707, SUBSECTION 2, OF THE NEW YORK STATE EDUCATION LAW, PROVIDES THAT ANY PERSON WHO VIOLATES THESE PROVISIONS SHALL BE CONSIDERED TO BE ENGAGED IN THE PRACTICE OF LAND SURVEYING WITHOUT BEING A LICENSED LAND SURVEYOR. THE PROFESSIONAL ENGINEER MUST SIGN, SEAL, DATE AND SPECIFY THE FULL EXTENT OF THE ALTERATIONS OR ADDITIONS MADE IN THE ORIGINAL DRAWING. (SEE PROFESSIONAL SEAL SECTION 1709-2)

RYAN A. NASHER, P.E.
N.Y.S. P.E. LIC. NO. 89066

JOHN R. ATZL
N.Y.S. P.L.S. LIC. NO. 60228

REVISION	DATE	DESCRIPTION
5	01-14-20	ADDITIONAL SEWER & WATER INFO
4	05-03-19	REV. PER PRELIMINARY APPROVAL
3	12-07-18	FOR ACABOR SUBMISSION
2	09-14-18	FOR ZBA SUBMISSION
1	07-18-18	PER DIRECTOR OBPZAE 07-17-18

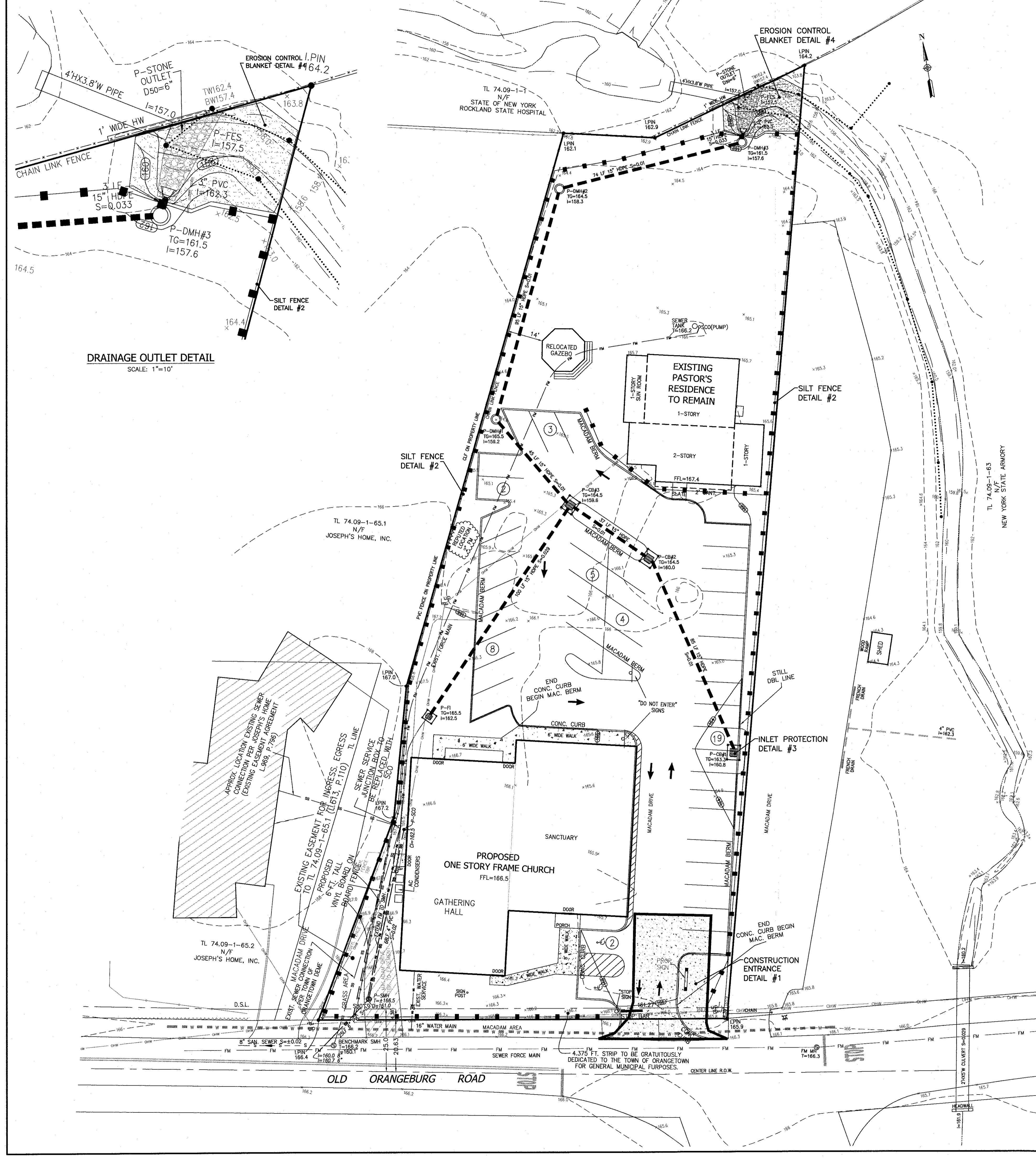
AN&Z
ATZL, NASHER & ZIGLER P.C.
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232 North Main Street
New City, New York 10956
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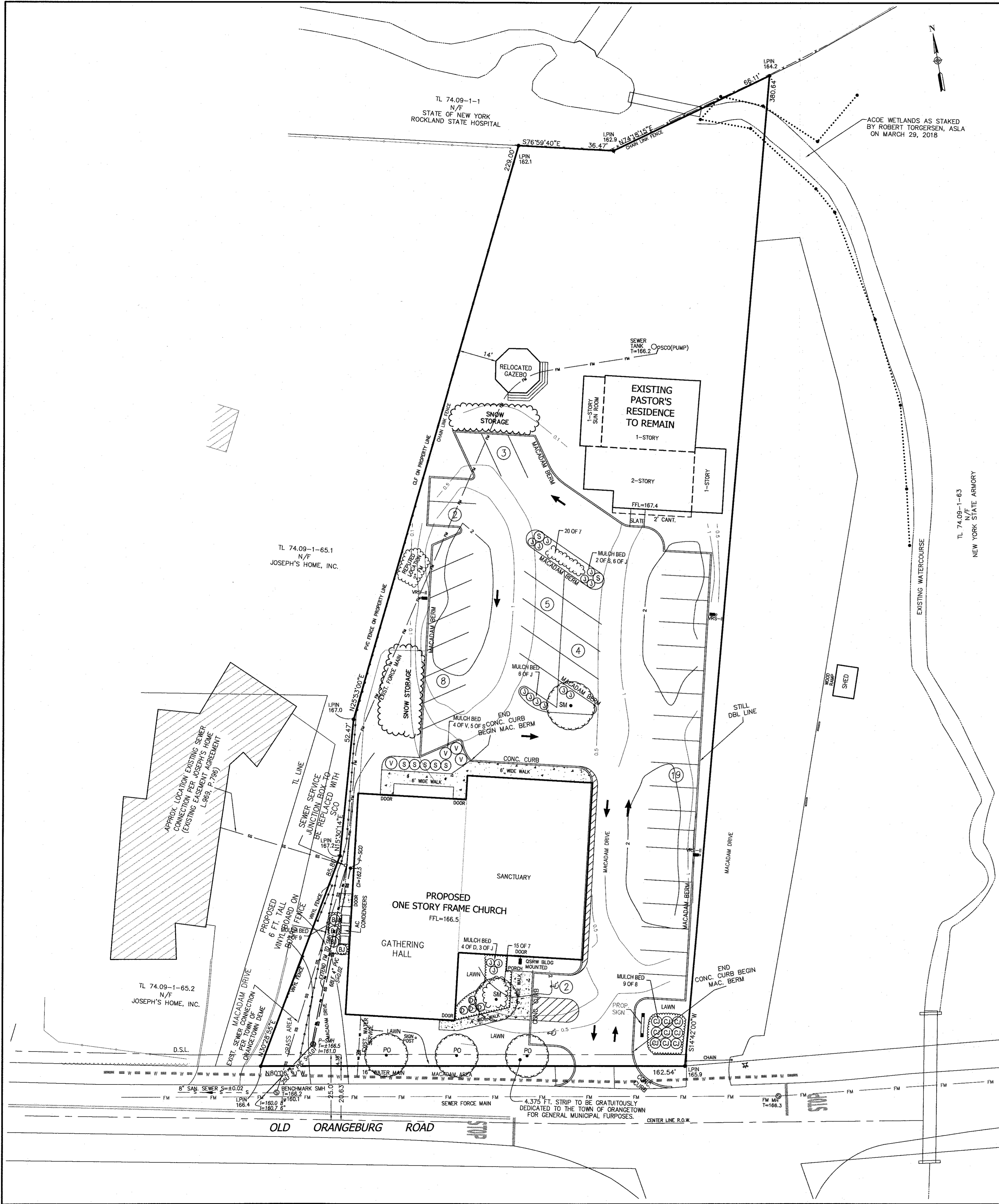
PROJECT:
BETHANY MAR THOMA CHURCH

TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK

TITLE:
EROSION & SEDIMENT CONTROL (E & SC) PLAN

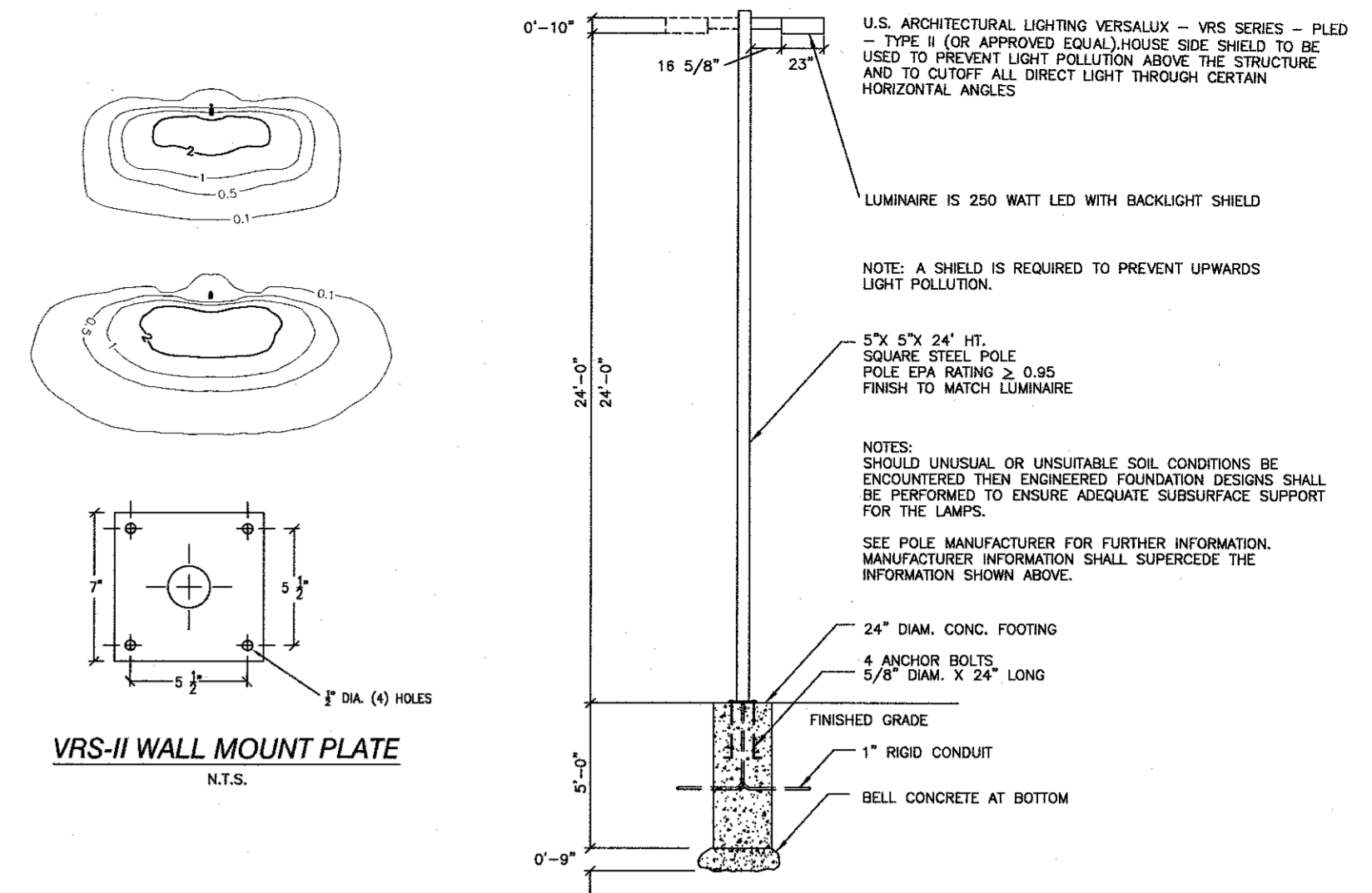
DRAWN BY: LF	CHECKED BY: JRA
DATE: JUNE 16, 2018	SCALE: 1 IN. = 20 FT.
PROJECT NO: 4491	DRAWING NO: 4





EXTERIOR LIGHTING LEGEND

- OSRWBLO MOUNTED U.S. ARCHITECTURAL LIGHTING VRS-2050-LED-II-M-HS INDEPENDENT TESTING LABORATORIES, INC. test report no. TL850374 dated 01/27/11. THIRTY WHITE LIGHT EMITTING DIODES (LEDs), VERTICAL. complete file "OSRWBLO-2050-LED-II-M-HS" is available electronically to the client. Light Loss Factor = 1.000, watts per luminaire = 33. Output (from mounting axis to photometric center) = 24 in mounting height = 12 number locations = 1 number luminaires = 1 kw all locations = 0.0
- VRS-II U.S. ARCHITECTURAL LIGHTING VRS-LED-II-FR-40LED-525mA-CW-HS INDEPENDENT TESTING LABORATORIES, INC. test report no. TL85037-PR dated 01/27/11. THIRTY WHITE LIGHT EMITTING DIODES (LEDs), VERTICAL. complete file "VRS-LED-II-FR-40LED-525mA-CW-HS" is available electronically to the client. Light Loss Factor = 1.000, watts per luminaire = 65. Output (from mounting axis to photometric center) = 18 in mounting height = 24 in mounting height = 24 number locations = 3 number luminaires = 3 kw all locations = 0.2

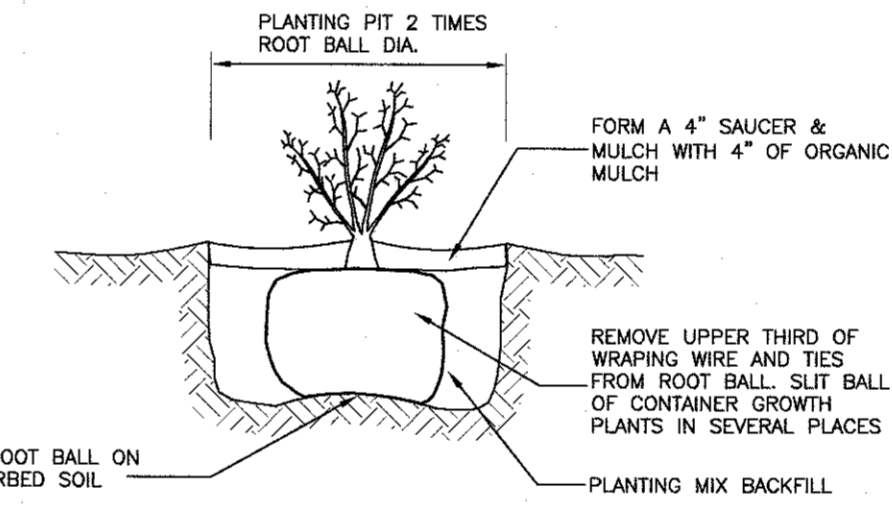


VRS-II WALL MOUNT PLATE
N.T.S.

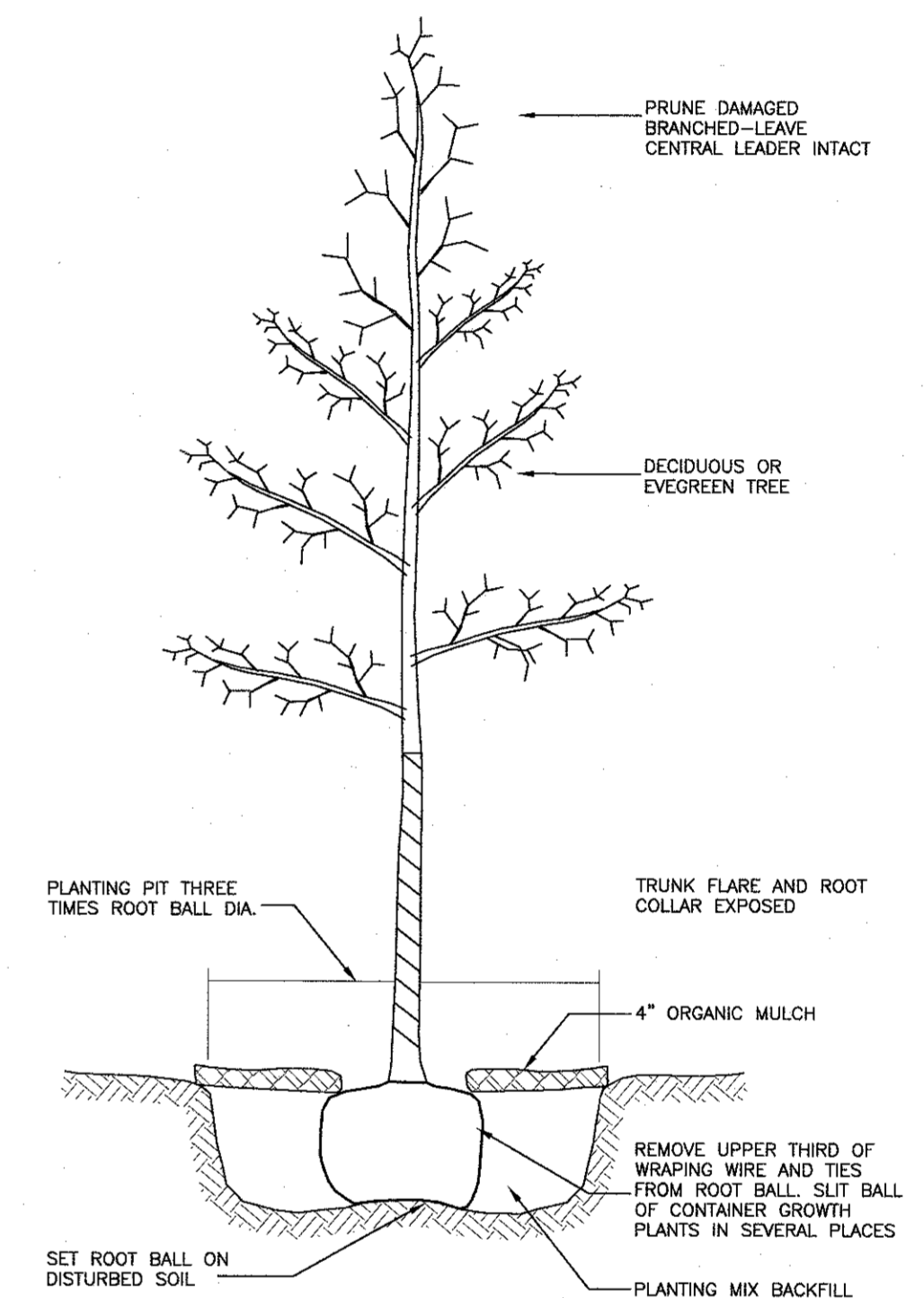
VERSALUX VRS SERIES-LED (OR APPROVED EQUAL)
N.T.S.

PLANTING NOTES

- All plants shall be nursery grown and plants and workmanship shall conform to the American Association of Nurserymen Standards and shall be subject to the approval of the Landscape Architect before and after planting.
- All planting shall be placed under the direction of the Landscape Architect. Give 48 hours notice before planting.
- Guarantee all plants and workmanship for a period of two planting seasons (One full year).
- Place 4" of topsoil on all lawn areas and 12" top soil in all planting beds.
- Plant pits shall be 36" wider for trees (minimum of two times root ball diameter) and 24" wider for shrubs and 8" deeper than the root ball. Set plants at same level as originally grown on base of undisturbed soil. Remove all existing soil from plant pit and backfill with a mixture of one part peat humus, one part dehydrated cow manure, and four parts topsoil. Fertilize all plants with 2 to 3 oz. per foot of shrub height and 2 to 3 lbs. per inch of tree trunk of 5-10-5 fertilizer. For evergreen planting, add 1 lb. per 100 square feet of plant bed each of ammonium sulfate and superphosphate.
- Stake all trees with two cedar stakes; cover twisted 10 gage galvanized wire with rubber hose and fasten around tree at 5 foot height minimum. Wrap trunk with kraft paper to first branch. Remove wires and stakes after the one year.
- Mulch all plants and planted areas with a 4" depth of shredded pine, oak bark.
- Fertilize areas before seeding or sodding with 15 lbs. per 1000 square feet of 10-20-10 fertilizer or approved equivalent. Repeat after 8 weeks.
- Lawn areas shall be seeded at 5 lbs. per 1000 square feet with the following seed mix: 40% Jamestown Cheering Fescue, 40% Beron Kentucky Bluegrass, and 20% Yorktown Perennial Ryegrass. Mulch newly seeded lawn at 50 lbs. per 1000 square feet with hay or straw mulch.
- The contractor is responsible to plant the total quantities of all plants shown on the planting plan. The quantities of planting shown graphically on the plan shall govern.
- Existing trees shown on this plan are to remain undisturbed. All existing trees shown to remain are to be protected with a 4 foot high snow fence placed at the drip line of the branches or at 8 feet minimum from the tree trunk.



SHRUB PLANTING DETAIL
N.T.S.



TREE PLANTING DETAIL
N.T.S.

PLANT LIST

SYMBOL	No. & PLANT NAME	QUANTITY	SIZE & REMARKS
1. SM	Acer saccharum Green Mountain	2	4" Cal B&B
2. PO	Quercus Palustris Pin Oak	3	4" Cal B&B
3.	Spiraea x bumalda Anthony Waterer Spiraea	7	16"-24" ht. #3 cont. Plant 4" o.c.
4.	Viburnum Dentatum Fragrant Viburnum	4	3"-4" ht. B&B Plant 5" o.c.
5.	Pennisetum Hamelin Dwarf Whit. Fountain Grass	4	2 Gal Plant 36" o.c.
6.	Juniperus Squamata Blue Star Juniper	15	2"-2 1/2" Cal. B&B #3 Cont Plant 30" o.c.
7.	Eucynymus Alatus Winged Eucynymus Burning Bush	35	24"-36" Plant 3" o.c.
8.	Juniperus Sabina Juniperus Sabina	9	16"-24" ht. #3 cont. Plant 4" o.c.
9.	Calgary Carpet Juniper Juniperus Horizontalis Blue Rug Juniper	35	2"-2 1/2" Cal. B&B #3 Cont Plant 30" o.c.

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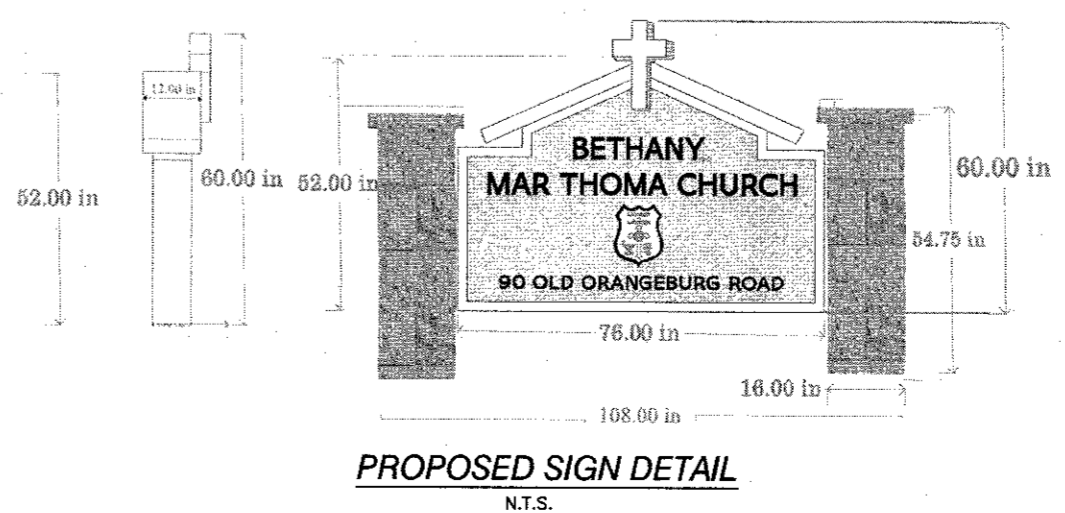
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E-mail: info@anzny.com
Web: www.ANZNY.com

PROJECT: **BETHANY MAR THOMA CHURCH**

TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK

TITLE: **LANDSCAPE & LIGHTING PLAN**

DRAWN BY: LF	CHECKED BY: JRA
DATE: JUNE 16, 2018	SCALE: 1 IN. = 20 FT.
PROJECT NO: 4491	DRAWING NO: 5



PROPOSED SIGN DETAIL
N.T.S.

UNAUTHORIZED ALTERATIONS OF ADDITIONS TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S EMBOSSED SEAL IS A VIOLATION OF SECTION 230, SUBSECTION 2, OF THE NEW YORK EDUCATION LAW.
THE EDUCATION LAW OF THE STATE OF NEW YORK PREVENTS ANY PERSON FROM ANYTHING ON THESE DRAWINGS AND FOR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE SUPERVISION AND CONTROL OF THE LICENSED PROFESSIONAL ENGINEER. WHEN SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER MUST SIGN, DATE AND ASSUME THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS. INDIVIDUALS, INSTITUTIONS, THEIR SUCCESSORS AND/OR ASSIGNS OR SUCCESSOR ENGINEERS.
I, **RYAN A. NASHER, P.E.**, N.Y.S. P.E. LIC. NO. 89066
I, **JOHN R. ATZL**, N.Y.S. P.L.S. LIC. NO. 50228