

- NOTES:**
- OWNER & APPLICANT: SAFE-N-SOUND CHILD CARE  
249 N. MIDDLETOWN RD  
PEARL RIVER, NY 10925
  - TAX MAP NUMBER: 68.12-3-27
  - LOT AREA: 116,960 SF
  - DATUM: NAVD 88
  - ZONING DISTRICT: CO: COMMERCIAL OFFICE
  - LOT DRAINAGE SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND SHALL NOT BE DISTURBED
  - ALL NEW UTILITIES, INCLUDING ELECTRIC AND TELEPHONE, SHALL BE INSTALLED UNDERGROUND.
  - NO BUILDING PERMIT SHALL BE ISSUED UNTIL SEWER ARRANGEMENTS HAVE BEEN APPROVED BY THE ROCKLAND COUNTY HEALTH DEPARTMENT OR THE TOWN OF ORANGETOWN.
  - NO BUILDING PERMIT SHALL BE ISSUED UNTIL SITE AND ARCHITECTURAL PLANS HAVE BEEN APPROVED BY ACABOR, AND SITE AND DRAINAGE PLANS BY THE ORANGETOWN PLANNING BOARD.
  - THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED IN SECTION 239 L&M OF THE GENERAL MUNICIPAL LAW.
  - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES.
  - ALL PROPOSED RETAINING WALLS GREATER THAN 4 FEET MUST BE DESIGNED, SIGNED, AND PLANS SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER, AND SUBMITTED TO THE TOWN OF ORANGETOWN DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AND ENGINEERING AND THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL. UPON COMPLETION OF THE WORK, SIGNED AND SEALED "AS-BUILT" OF THE WALLS SHALL BE SUBMITTED TO BOTH DEPARTMENTS, CERTIFYING THAT THE WALLS WERE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN PLANS.
  - ALL LANDSCAPING SHOWN ON THE SITE PLAN SHALL BE MAINTAINED IN A VIGOROUS GROWING CONDITION THROUGHOUT THE DURATION OF THE USE OF THIS SITE. ANY PLANTS NOT SO MAINTAINED SHALL BE REPLACED WITH NEW PLANTS AT THE BEGINNING OF THE NEXT IMMEDIATELY GROWING SEASON.
  - THE CONTRACTOR'S TRAILER, IF ANY IS PROPOSED, SHALL BE LOCATED AS APPROVED BY THE ORANGETOWN PLANNING BOARD.
  - IF THE APPLICANT, DURING THE COURSE OF CONSTRUCTION, ENCOUNTERS SUCH CONDITIONS AS FLOOD AREAS, IMPROPER DRAINAGE, OR ANY OTHER UNUSUAL CIRCUMSTANCES OR CONDITIONS THAT WERE NOT FORESEEN IN THE ORIGINAL PLANNING, SUCH CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE DEPT. OF ENVIRONMENTAL MANAGEMENT AND ENGINEERING. THE APPLICANT SHALL SUBMIT THEIR RECOMMENDATIONS AS TO THE SPECIAL TREATMENT TO BE GIVEN TO SUCH AREAS TO SECURE ADEQUATE, PERMANENT, AND SATISFACTORY CONSTRUCTION. THE DEPT. OF ENVIRONMENTAL MANAGEMENT AND ENGINEERING SHALL INVESTIGATE THE CONDITION OR CONDITIONS, AND SHALL EITHER APPROVE THE APPLICANT'S RECOMMENDATIONS TO CORRECT THE CONDITIONS, OR ORDER A MODIFICATION THEREOF, OR ISSUE ITS OWN SPECIFICATION FOR THE CORRECTION OF THE CONDITIONS. IN THE EVENT OF THE APPLICANT'S DISAGREEMENT WITH THE DECISION OF THE DEPT. OF ENVIRONMENTAL MANAGEMENT AND ENGINEERING, OR IN THE EVENT OF A SIGNIFICANT CHANGE RESULTING TO THE PLAN OR ANY CHANGE THAT INVOLVES A WETLAND REGULATED AREA, THE MATTER SHALL BE DECIDED BY THE AGENCY WITH JURISDICTION IN THAT AREA.
  - PERMANENT VEGETATION COVER OF DISTURBED AREAS SHALL BE ESTABLISHED ON THE SITE WITHIN 30 DAYS OF THE COMPLETION OF CONSTRUCTION
  - THE PLANNING BOARD SHALL RETAIN JURISDICTION OVER LIGHTING, LANDSCAPING, SIGNS AND REFUSE CONTROL.
  - AT LEAST ONE WEEK PRIOR TO THE COMMENCEMENT OF ANY WORK, INCLUDING THE INSTALLATION OF EROSION CONTROL DEVICES OR THE REMOVAL OF TREES & VEGETATION, A PRE-CONSTRUCTION MEETING MUST BE HELD WITH THE TOWN OF ORANGETOWN DEPT. OF HIGHWAYS AND THE OFFICE OF BUILDING, ZONING & PLANNING ADMINISTRATION AND ENFORCEMENT. IT IS THE RESPONSIBILITY AND OBLIGATION OF THE PROPERTY OWNER TO ARRANGE SUCH A MEETING.
  - TREE PROTECTION: THE TREE PROTECTION AND PRESERVATION GUIDELINES ADOPTED PURSUANT TO SECTION 21-24 OF THE LAND DEVELOPMENT REGULATIONS OF THE TOWN OF ORANGETOWN WILL BE IMPLEMENTED IN ORDER TO PROTECT AND PRESERVE BOTH INDIVIDUAL SPECIMEN TREES AND BUFFER AREAS WITH MANY TREES. STEPS THAT WILL BE TAKEN TO PRESERVE AND PROTECT EXISTING TREES TO REMAIN ARE AS FOLLOWS:
    - NO CONSTRUCTION EQUIPMENT SHALL BE PARKED UNDER THE TREE CANOPY.
    - THERE WILL BE NO EXCAVATION OR STOCKPILING OF EARTH UNDERNEATH TREES.
    - TREES DESIGNATED TO BE PRESERVED SHALL BE MARKED CONSPICUOUSLY ON ALL SIDES AT A 5 TO 10 FOOT HEIGHT.
    - THE TREE PROTECTION ZONE FOR TREES DESIGNATED TO BE PRESERVED WILL BE ESTABLISHED BY ONE OF THE FOLLOWING METHODS:
      - ONE (1) FOOT RADIUS FROM TRUNK PER INCH DBH
      - DROP LINE OF THE TREE CANOPY

THE METHOD CHOSEN SHOULD BE BASED ON PROVIDING THE MAXIMUM PROTECTION ZONE POSSIBLE. A BARRIER OF SNOW FENCE OR EQUAL IS TO BE PLACED AND MAINTAINED ONE YARD BEYOND THE ESTABLISHED TREE PROTECTION ZONE.

IF IT IS AGREED THAT THE TREE PROTECTION ZONE OF A SELECTED TREE MUST BE VIOLATED, ONE OF THE FOLLOWING METHODS MUST BE EMPLOYED TO MITIGATE THE IMPACT:

    - LIGHT TO HEAVY IMPACTS - MINIMUM OF EIGHT INCHES OF WOOD CHIPS INSTALLED IN THE AREA TO BE PROTECTED. CHIPS SHALL BE REMOVED UPON COMPLETION OF WORK.
    - LIGHT IMPACTS ONLY - INSTALLATION OF 3/4 INCH OF PLYWOOD OR BOARDS, OR EQUAL OVER THE AREA TO BE PROTECTED.

THE BUILDER OR ITS AGENT MAY NOT CHANGE GRADE WITHIN THE TREE PROTECTION ZONE OF A PRESERVED TREE UNLESS SUCH GRADE CHANGE HAS RECEIVED FINAL APPROVAL FROM THE PLANNING BOARD. IF THE GRADE LEVEL IS TO BE CHANGED MORE THAN SIX (6) INCHES, TREES DESIGNATED TO BE PRESERVED SHALL BE WELLED AND/OR PRESERVED IN A RAISED BED, WITH THE TREE WELL RADIUS OF THREE (3) FEET LARGER THAN THE TREE CANOPY.
  - PRIOR TO THE COMMENCEMENT OF ANY SITE WORK, INCLUDING THE REMOVAL OF TREES, THE APPLICANT SHALL INSTALL THE SOIL EROSION & SEDIMENTATION CONTROL AS REQUIRED BY THE PLANNING BOARD. PRIOR TO THE AUTHORIZATION TO PROCEED WITH ANY PHASE OF THE SITE WORK, THE TOWN D.E.M.E. SHALL INSPECT THE INSTALLATION OF ALL REQUIRED SOIL EROSION & SEDIMENTATION CONTROL MEASURES. THE APPLICANT SHALL CONTACT THE D.E.M.E. AT LEAST 48 HOURS IN ADVANCE FOR AN INSPECTION.
  - ADDITIONAL CERTIFICATION, BY AN APPROPRIATE LICENSED OR CERTIFIED DESIGN PROFESSIONAL SHALL BE REQUIRED FOR ALL MATTERS BEFORE THE PLANNING BOARD INDICATING THAT THE DRAWINGS AND PROJECT ARE IN COMPLIANCE WITH THE STORM WATER MANAGEMENT PHASE II REGULATIONS. A SWPPP WILL BE REQUIRED FOR MORE THAN 1 ACRE OF DISTURBANCE.
  - A ROCKLAND COUNTY HIGHWAY DEPARTMENT WORK PERMIT WILL BE REQUIRED PRIOR TO THE COMMENCEMENT OF ON-SITE IMPROVEMENT. THE APPLICANT SHALL COMPLY IN THE PLANNING AND/OR DEVELOPMENT PROCESS.
  - PRIOR TO THE COMMENCEMENT OF ANY SITE WORK, INCLUDING THE REMOVAL OF TREES, THE APPLICANT SHALL INSTALL THE SOIL EROSION AND SEDIMENTATION CONTROL AS REQUIRED BY THE PLANNING BOARD. PRIOR TO THE AUTHORIZATION TO PROCEED WITH ANY PHASE OF THE SITE WORK, THE TOWN OF ENVIRONMENTAL MANAGEMENT AND ENGINEERING (DEME) SHALL INSPECT THE INSTALLATION OF ALL REQUIRED SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE APPLICANT SHALL CONTACT THE DEME AT LEAST 48 HOURS IN ADVANCE FOR AN INSPECTION.
  - EXISTING CHILD CARE FACILITY TO REMAIN UNTIL PROPOSED BUILDING IS COMPLETE AND SHALL THEN BE REMOVED AS INDICATED HEREON.

**LEGEND**

DRAINAGE INLET W/PIPES	
DRAIN MANHOLE/ WITH PIPES	
TOP CURB @ CATCH BASIN	
TOP GRATE FIELD INLET	
REINFORCED CONCRETE PIPE	
CORRUGATED PLASTIC PIPE	
UTILITY POLE	
UTILITY POLE WITH LIGHT	
WATER VALVE	
HYDRANT	
GAS VALVE	
IRRIGATION CONTROL VALVE	
OVERHEAD WIRES	
GAS LINE	
GAS, ELEC, TEL, CATV	
WATER LINE	
CONTOUR LINE	
SPOT GRADE	+ 520.5

**BULK TABLE • ZONE CO • COMMERCIAL - OFFICE • USE GROUP NN (CHILD DAY CARE)**

	MAX. FLOOR AREA RATIO	MIN LOT AREA	MIN LOT WIDTH	MIN STREET FRONTAGE	MIN FRONT YARD	MIN SIDE YARD	MIN REAR YARD	TOTAL SIDE YARD	MIN REAR YARD	MAX BLDG HEIGHT
REQUIRED	0.20	30,000 SF	150'	50'	30'	35' FROM BUFFER	90'	50'	6' PER FOOT FROM FRONT LOT LINE	
PROVIDED	0.086	116,960 SF GROSS 116,140 SF NET	290'	347'+85'	119'	35'+ +15' BUFFER	263.2'	50.5'	25'±	

★ MAXIMUM LAND COVERAGE SHALL NOT EXCEED 75%, INCLUDING BUILDINGS, PARKING, ROAD AND ROAD WIDENING. THE OPEN AREA SHALL BE A MINIMUM OF 25%.  
REQUIRED BUFFERS: 15' AT WEST PROPERTY LINE.  
▲ 116,960 SF - 50% ROAD WIDENING = 116,140 SF NET

**PARKING REQUIREMENTS**  
ONE SPACE PER STAFF MEMBER, PLUS 1 PARKING SPACE PER 10 CHILDREN  
REQUIRED: 20 STAFF, 128 CHILDREN; REQ'D=33 PROVIDED=41

**DISTRICTS**  
ZONING: CO  
SCHOOL: NANUET UFSD  
FIRE: PEARL RIVER  
LIGHTING: ORANGETOWN  
SEWER: ORANGETOWN  
WATER: SUEZ WATER

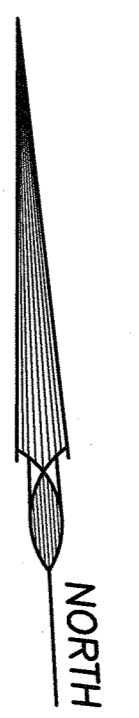
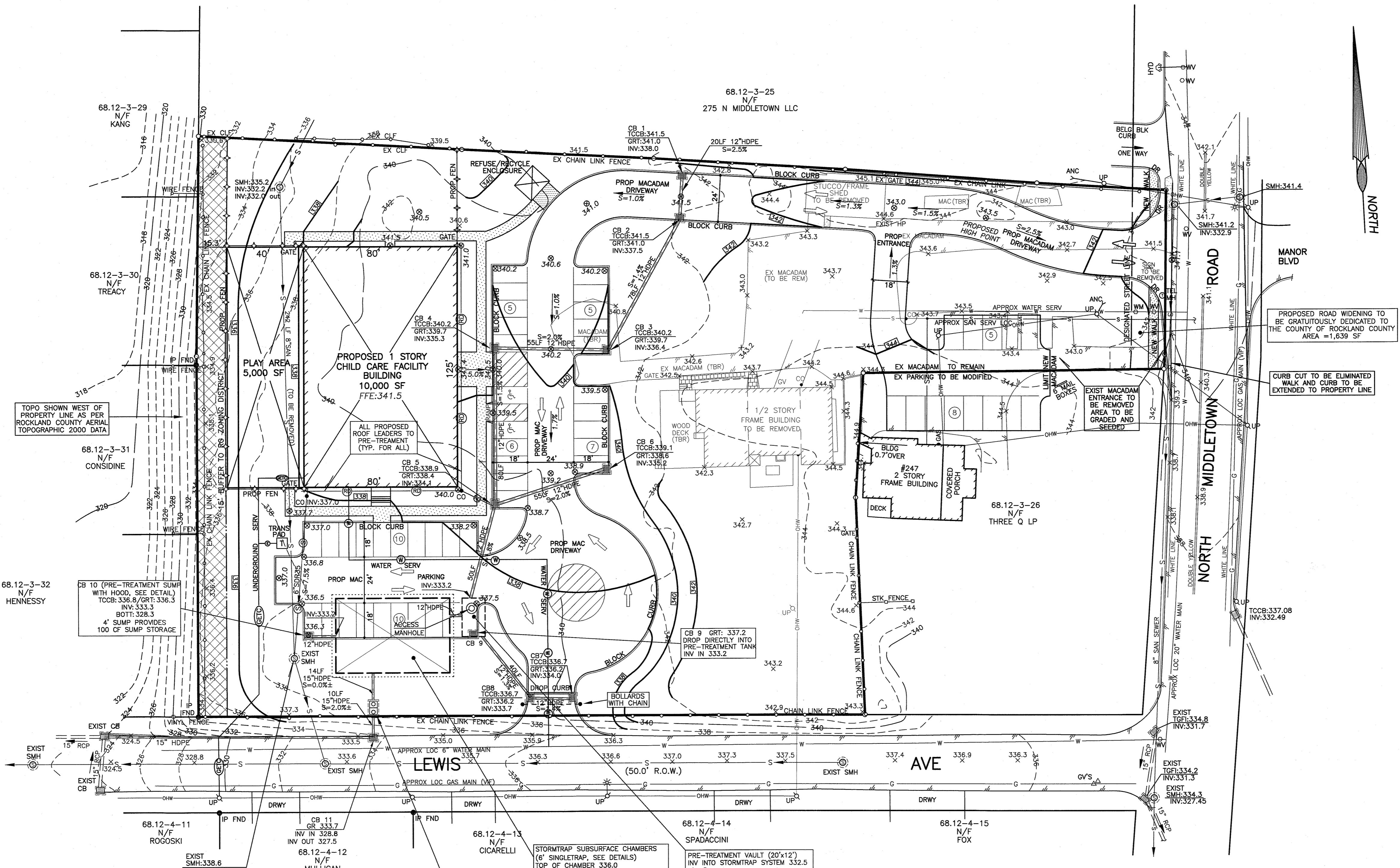
**PRELIMINARY**

DATE		REVISIONS	TAX LOT # 68.12-3-27
DATE		REVISIONS	AREA 116,960 SF
DATE		REVISIONS	FILE 01-21908 SITE
DATE		REVISIONS	SCALE 1"= 30'
DATE		REVISIONS	DATE 1/05/22
DATE		REVISIONS	JOB NO. 21908

**SITE DEVELOPMENT PLAN FOR**  
**SAFE 'N' SOUND CHILD CARE**  
PEARL RIVER, TOWN OF ORANGETOWN  
ROCKLAND COUNTY, STATE OF NEW YORK

**JAY A. GREENWELL, PLS, LLC**  
SURVEYING - LAND PLANNING  
85 LAFAYETTE AVENUE, SUFFERN, NEW YORK, 10901  
PHONE 845-357-0830 FAX 845-357-0756

**FILE COPY**  
**April 13, 2022**



**LEGEND**

- DRAINAGE INLET W/PIPES
- DRAIN MANHOLE/ WITH PIPES
- TOP CURB @ CATCH BASIN
- TOP GRATE FIELD INLET
- REINFORCED CONCRETE PIPE
- CORRUGATED PLASTIC PIPE
- UTILITY POLE
- UTILITY POLE WITH LIGHT
- WATER VALVE
- HYDRANT
- GAS VALVE
- IRRIGATION CONTROL VALVE
- OVERHEAD WIRES
- GAS LINE
- GAS, ELEC, TEL, CATV
- WATER LINE
- CONTOUR LINE
- SPOT GRADE
- PROPOSED CONTOUR LINE
- PROPOSED SPOT GRADE
- LIMIT OF DISTURBANCE
- PROPOSED DROP RAMP
- PROP CATCH BASIN
- PROP DRAIN MANHOLE

- DMH
- TCCB
- TGFI
- RCP
- CPP
- UP
- UP
- WV
- HYD
- GV
- ICV
- OHW
- G
- GETC
- W
- 520-
- +520.5
- 524.0
- DR
- DR

**IMPERVIOUS BREAKDOWN**

TAX LOT 68.12-3-27
PROP IMPERVIOUS = 47,175 SF
EXIST IMPERVIOUS = 21,690 SF
AMOUNT TO BE MITIGATED = 25,485 SF

EXISTING AND PROPOSED PERVIOUS AND IMPERVIOUS AREAS INCLUDE PARKING LOT MODIFICATIONS TO #247 NORTH MIDDLETOWN ROAD (TAX LOT# 68.12-3-26)

OUTLET STRUCTURE  
RIM 338.2±  
2.5' L OVERFLOW WEIR @ ELEV. 335.0  
12" ORIFICE @ ELEV. 333.5  
6" ORIFICE @ ELEV. 331.2 (100% WQV STORED BELOW)  
15" OUTLET PIPE INV. 329.0

PRE-TREATMENT VAULT (20'x12')  
INV INTO STORMTRAP SYSTEM 332.5  
4'-0" SUMP BOTTOM 328.5  
SUMP STORAGE PROVIDED = 960 CF  
TOTAL SUMP STORAGE PROVIDED = 1,060 CF > 25% WQV (1,053 CF)

**CIVIL DESIGN WORKS LLC**  
CIVIL ENGINEERING CONSULTANTS AND DESIGNERS  
WWW.CIVILDESIGNWORKS.COM  
19 SQUADRON BLVD-SUITE #4, NEW CITY, NY, 10956  
TELEPHONE: 845-266-6441

STATE OF NEW YORK  
GLENN McGREEDY, PE  
NYS LIC. # 84274

DATE: \_\_\_\_\_

STATE OF NEW YORK  
JAY A. GREENWELL, PLS  
NYS LIC. # 49676

PRELIMINARY

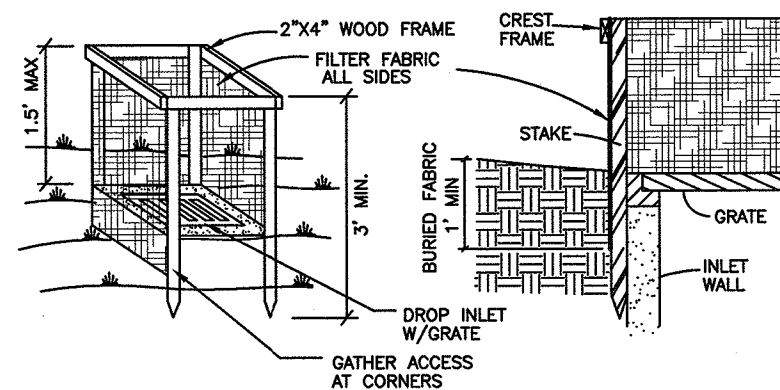
**GRADING, DRAINAGE AND UTILITY PLAN**

**SAFE 'N' SOUND CHILD CARE**

PEARL RIVER, TOWN OF ORANGETOWN  
ROCKLAND COUNTY, STATE OF NEW YORK

**JAY A. GREENWELL, PLS, LLC**  
SURVEYING - LAND PLANNING  
85 LAFAYETTE AVENUE, SUFFERN, NEW YORK, 10901  
PHONE 845-357-0830 FAX 845-357-0756

TAX LOT # 68.12-3-27  
AREA 116,960 SF  
FILE 02-21908 GRADE  
SCALE 1" = 30'  
DATE 1/05/22  
JOB NO. 21908



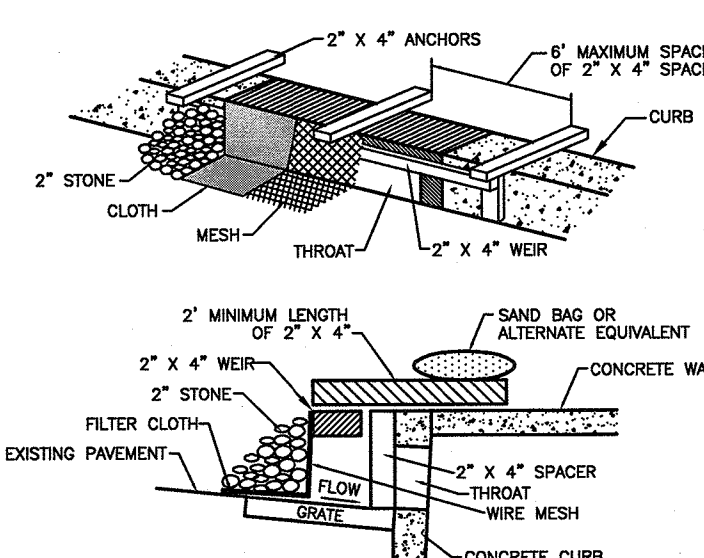
**CONSTRUCTION SPECIFICATIONS**

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW THE GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUM DRAINAGE AREA: 1 ACRE

**DROP INLET PROTECTION**

NTS

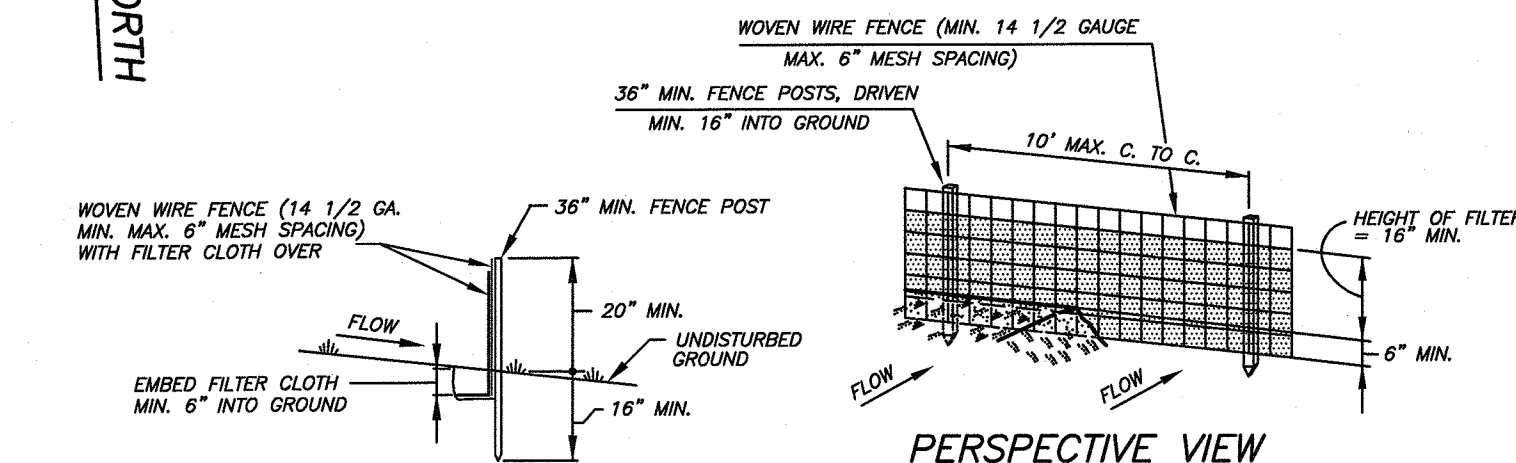
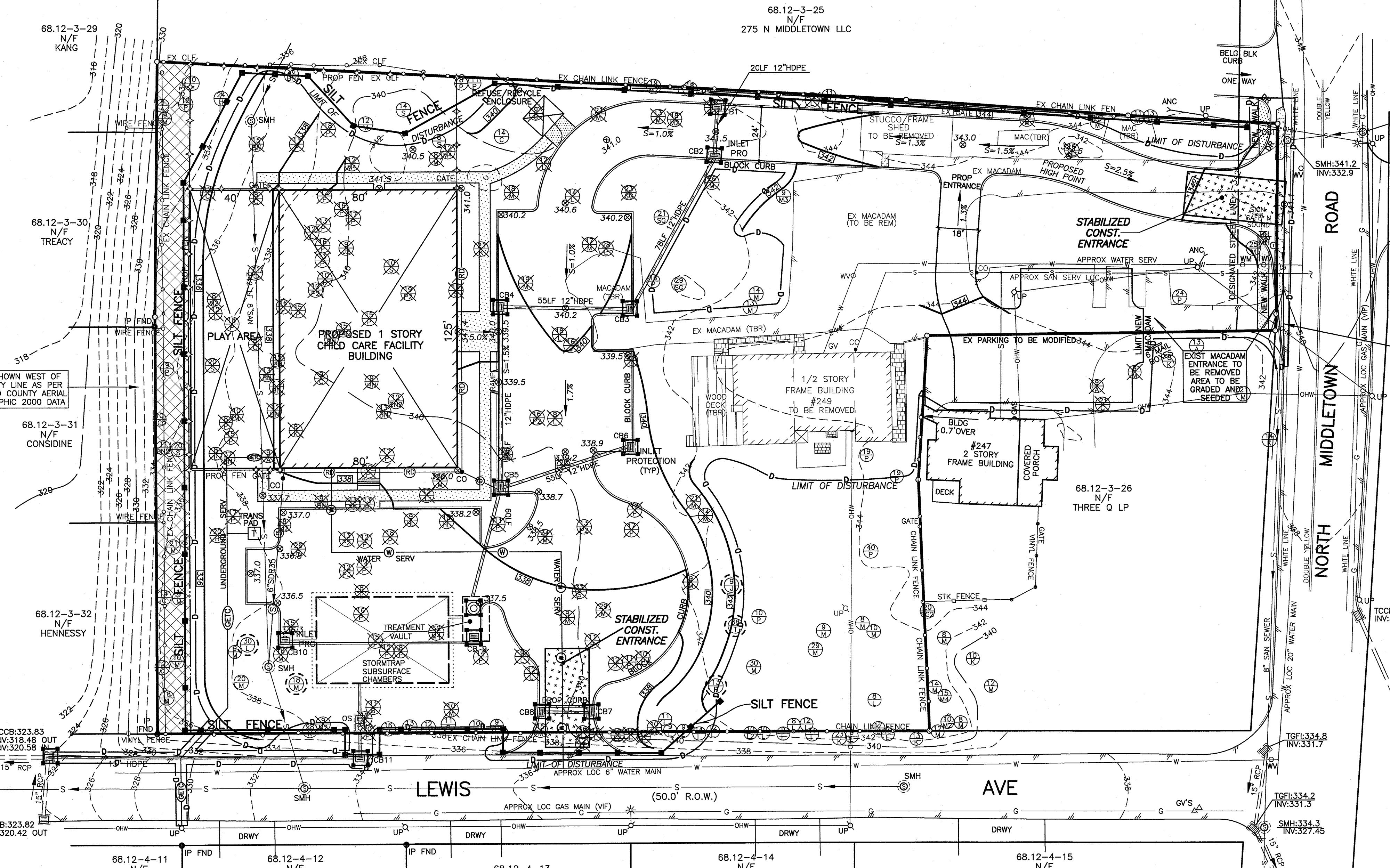


**CONSTRUCTION SPECIFICATIONS**

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2" X 4" CONSTRUCTION GRADE LUMBER.
3. WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHARPED AND SECURELY NAILED TO A 2" X 4" WEIR.
4. THE WEIR SHALL BE SECURELY NAILED TO 2" X 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
5. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" X 4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.

**STONE FILTER INLET PROTECTION**

NTS



**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

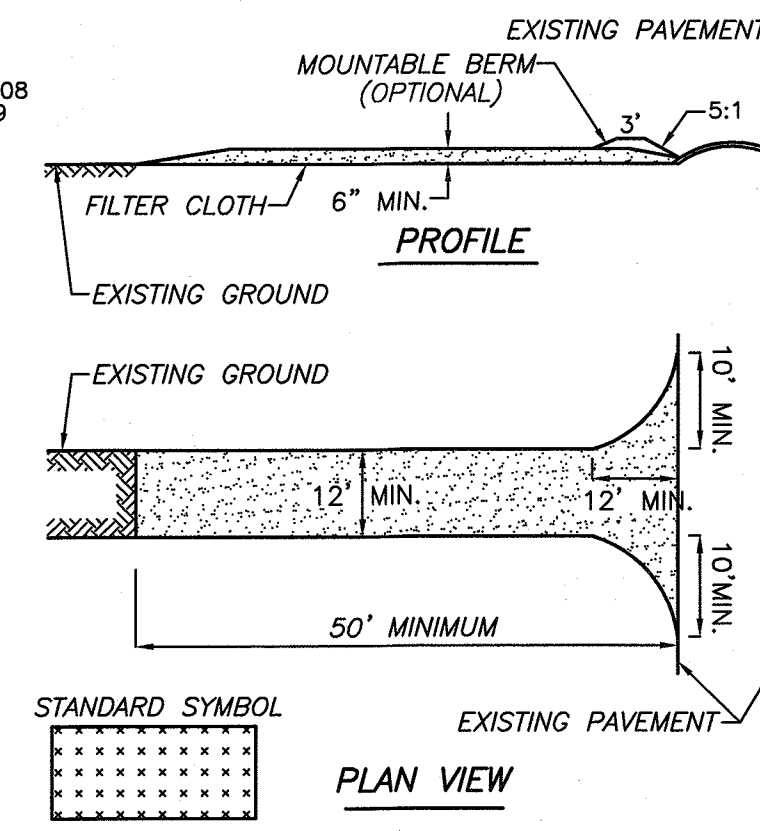
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

**WIRE REINFORCED SILT FENCE**

NTS

**CONSTRUCTION SPECIFICATIONS**

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTING BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



**STABILIZED CONSTRUCTION ENTRANCE**

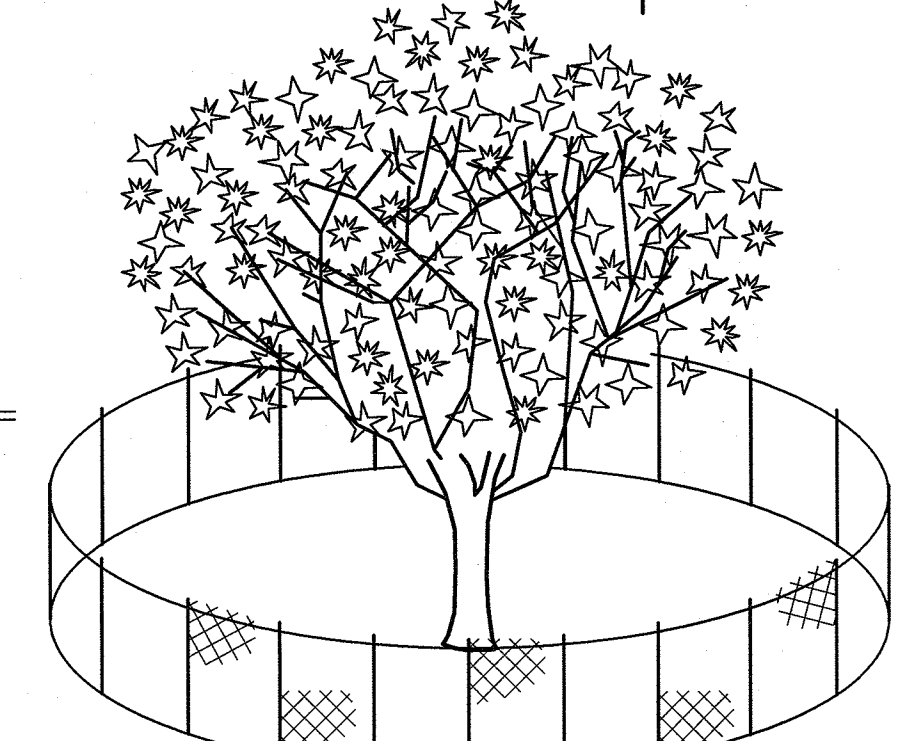
NTS

**LEGEND**

DRAINAGE INLET W/PIPES	
DRAIN MANHOLE/ WITH PIPES	
TOP CURB @ CATCH BASIN	
TOP GRATE FIELD INLET	
REINFORCED CONCRETE PIPE	
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CONTOUR LINE	
SPOT GRADE	
LIMIT OF DISTURBANCE	
PROP CATCH BASIN	
PROP DRAIN MANHOLE	
INLET PROTECTION	
SILT FENCE	

**TREE LEGEND**

	SIZE IN INCHES (LARGEST DIA SHOWN IN TWIN/TRIPLE)
	LETTER INDICATES TREE TYPE (SEE BELOW)
	SECOND NUMBER (2), (3) INDICATES TWIN/TRIPLE
	TREE TO BE REMOVED
	TREE TO BE PROTECTED
A = ASH	L = LOCUST
BN = BUTTERNUT	M = MAPLE
B = BIRCH	K = OAK
C = CHERRY	P = PINE
H = HICKORY	S = SYCAMORE
HL = HOLLY	SG = SWEETGUM
J = JAPANESE MAPLE	

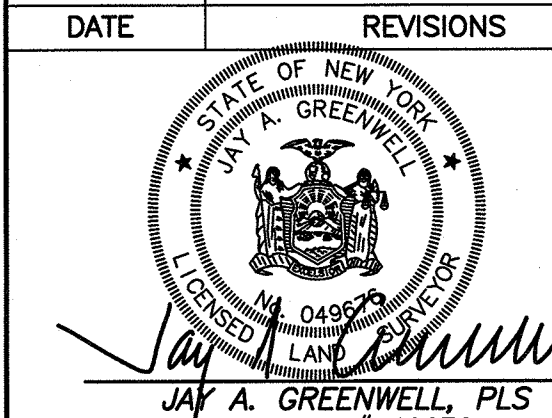


**TREE PROTECTION DETAIL**

N.T.S.  
POSTS: 2x4's 6' HIGH 6" ± O.C.  
MESH: TERRATEX BARRIER FENCING 100 OR APPROVED EQUAL.

**NOTE**  
EXISTING TREES SHOWN HEREON ARE TO REMAIN UNLESS SPECIFICALLY SHOWN TO BE REMOVED. TREES TO REMAIN SHALL BE PROTECTED WHERE CONSTRUCTION ACTIVITY MAY DAMAGE THE UNDERLYING ROOT SYSTEM WHERE POTENTIAL FOR CONSTRUCTION VEHICLES TO IMPACT EXISTING TREES TO REMAIN EXISTS, CONTRACTOR SHALL INSTALL A 4' HIGH SNOW FENCE, PLACED AT THE DRIP LINE OF THE BRANCHES OR A 6" MINIMUM FROM THE TREE TRUNK.

DATE		REVISIONS	TAX LOT # 68.12-3-27
DATE		REVISIONS	AREA 116,960 SF
DATE		REVISIONS	FILE 3-21908 ERO-TREES
DATE		REVISIONS	SCALE 1" = 30'
DATE		REVISIONS	JOB NO. 21908



**PRELIMINARY**

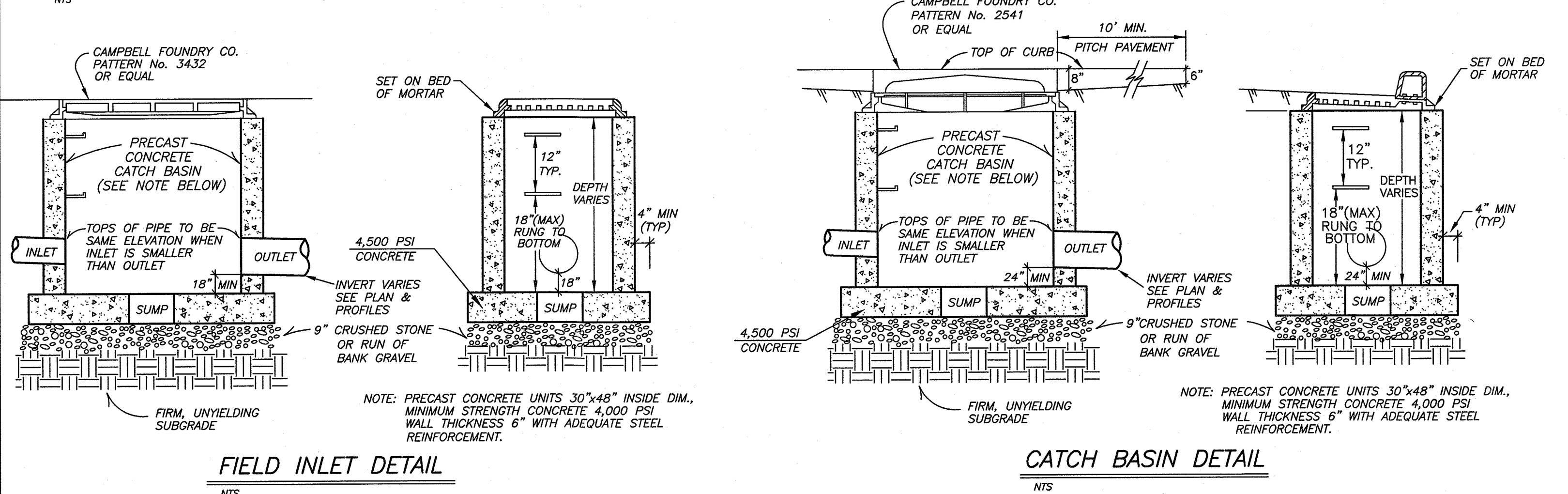
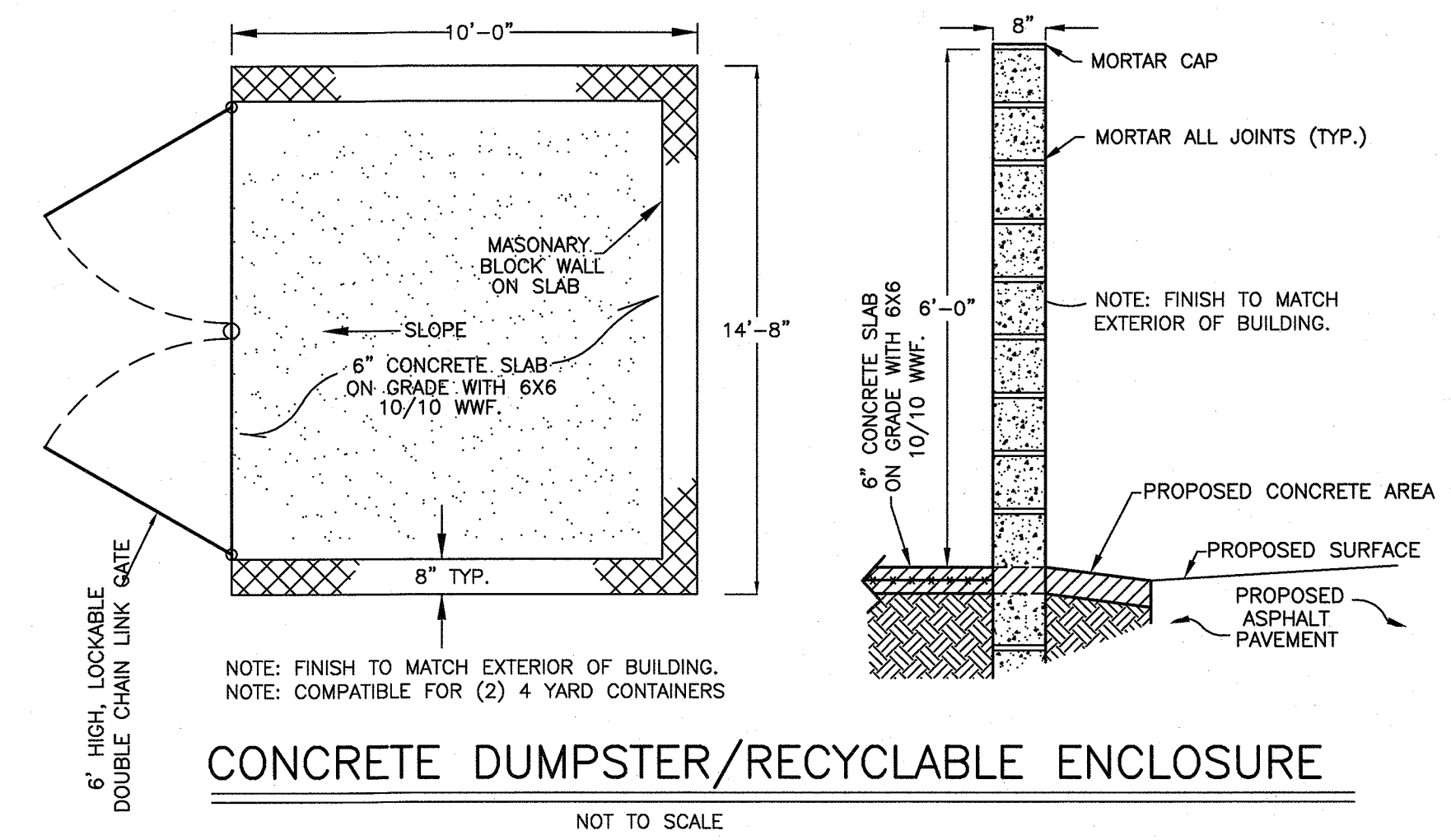
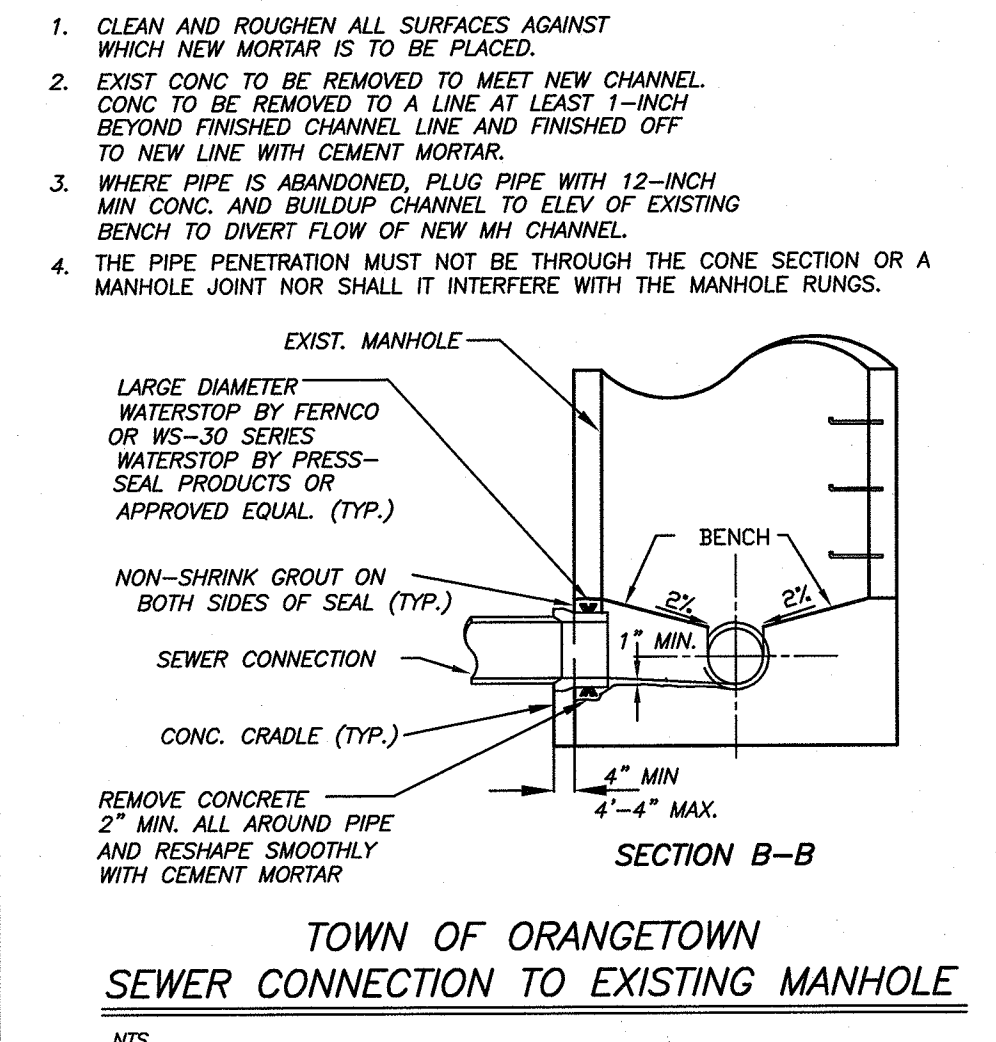
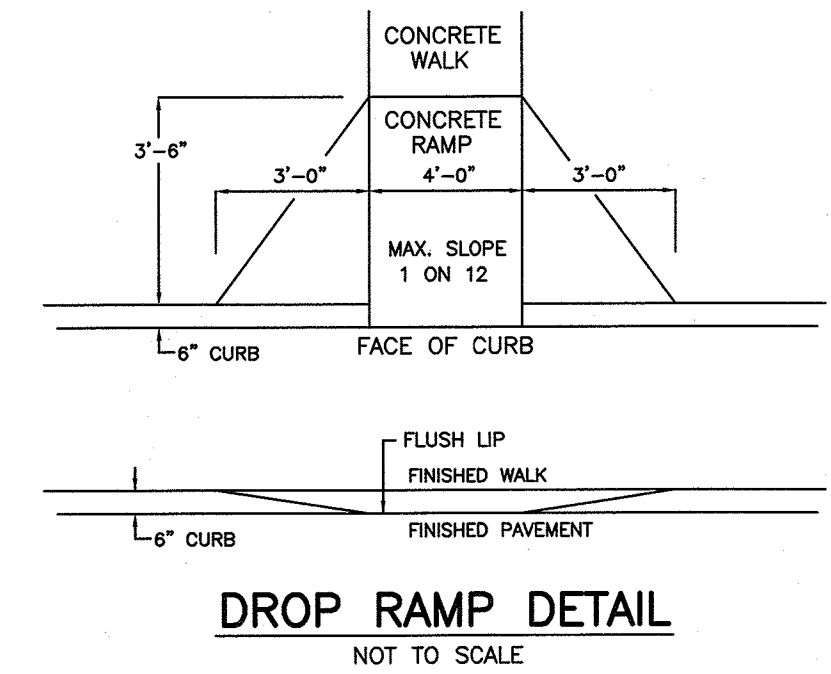
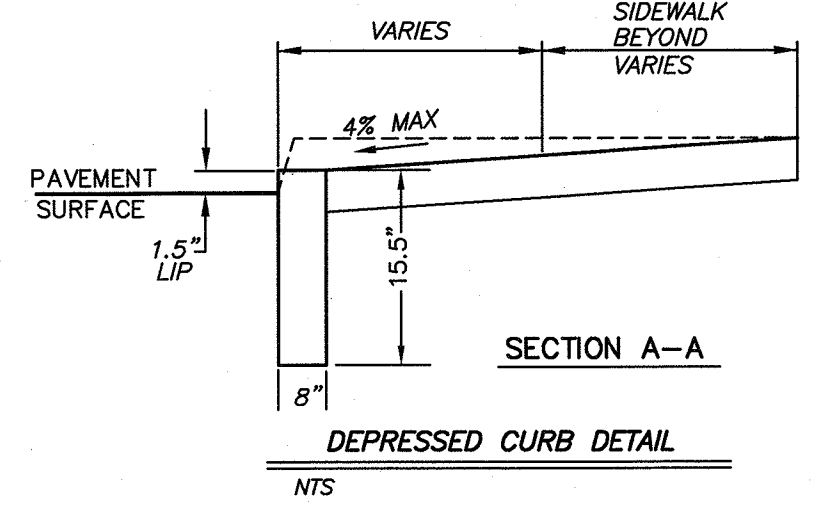
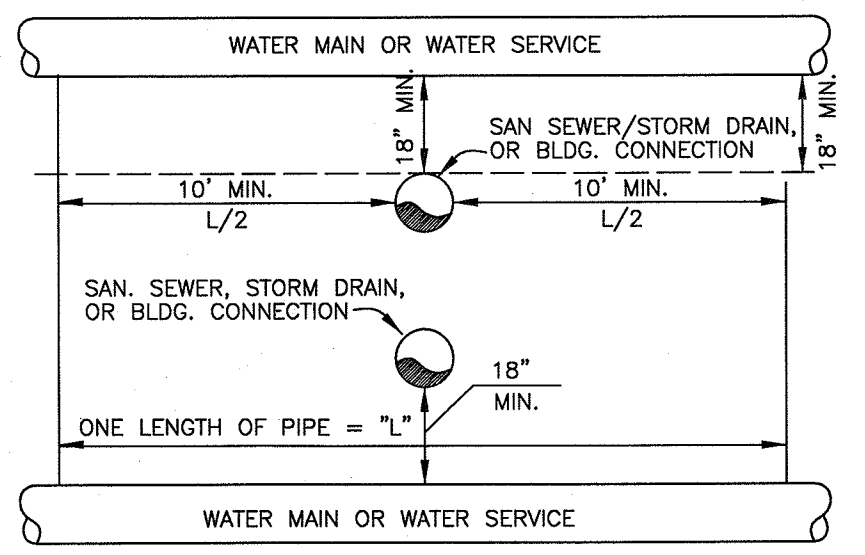
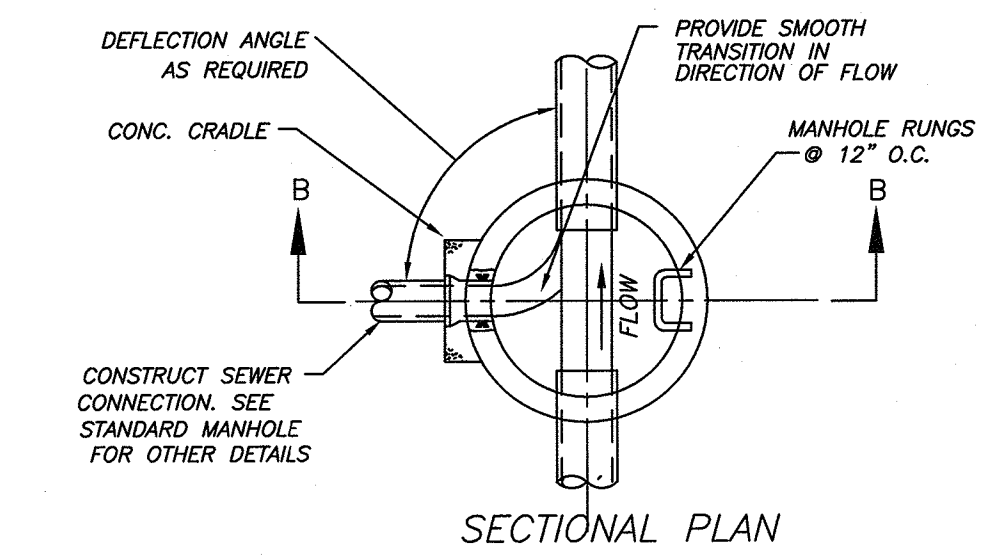
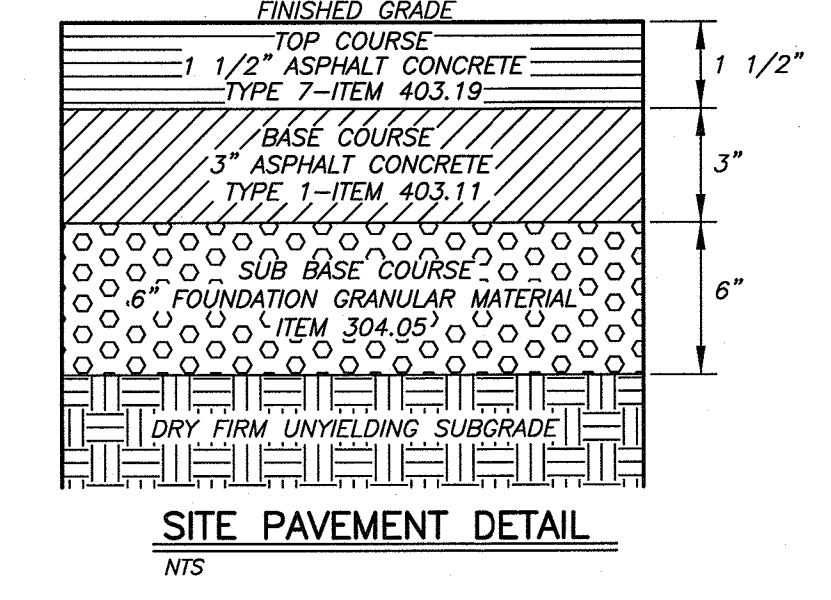
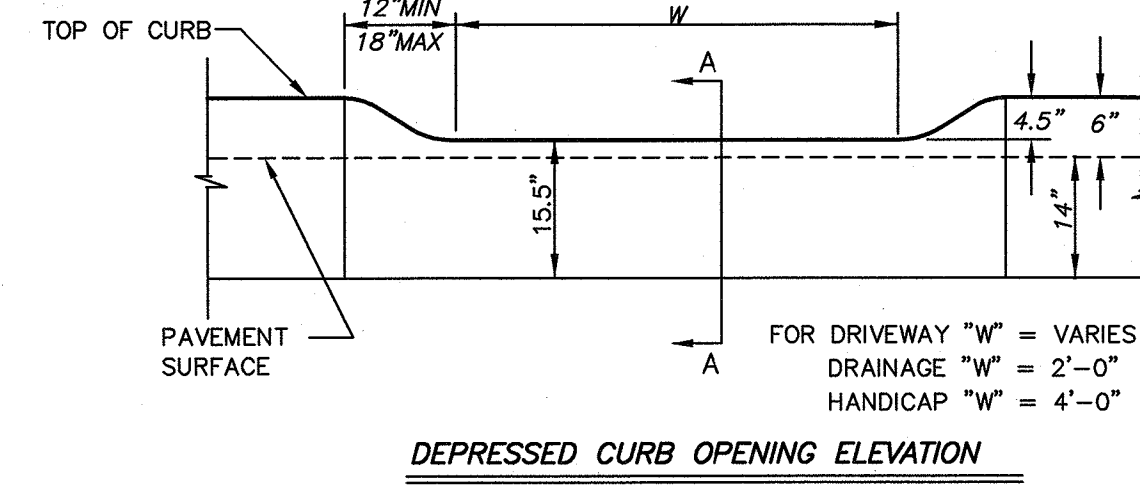
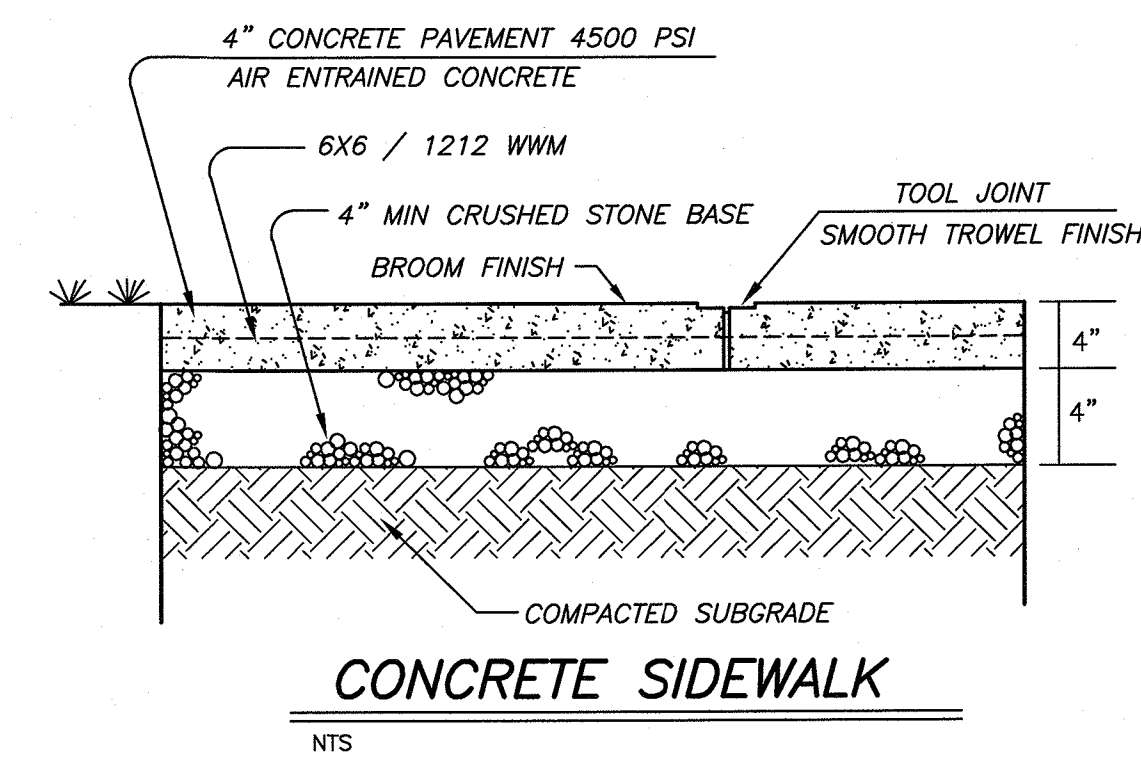
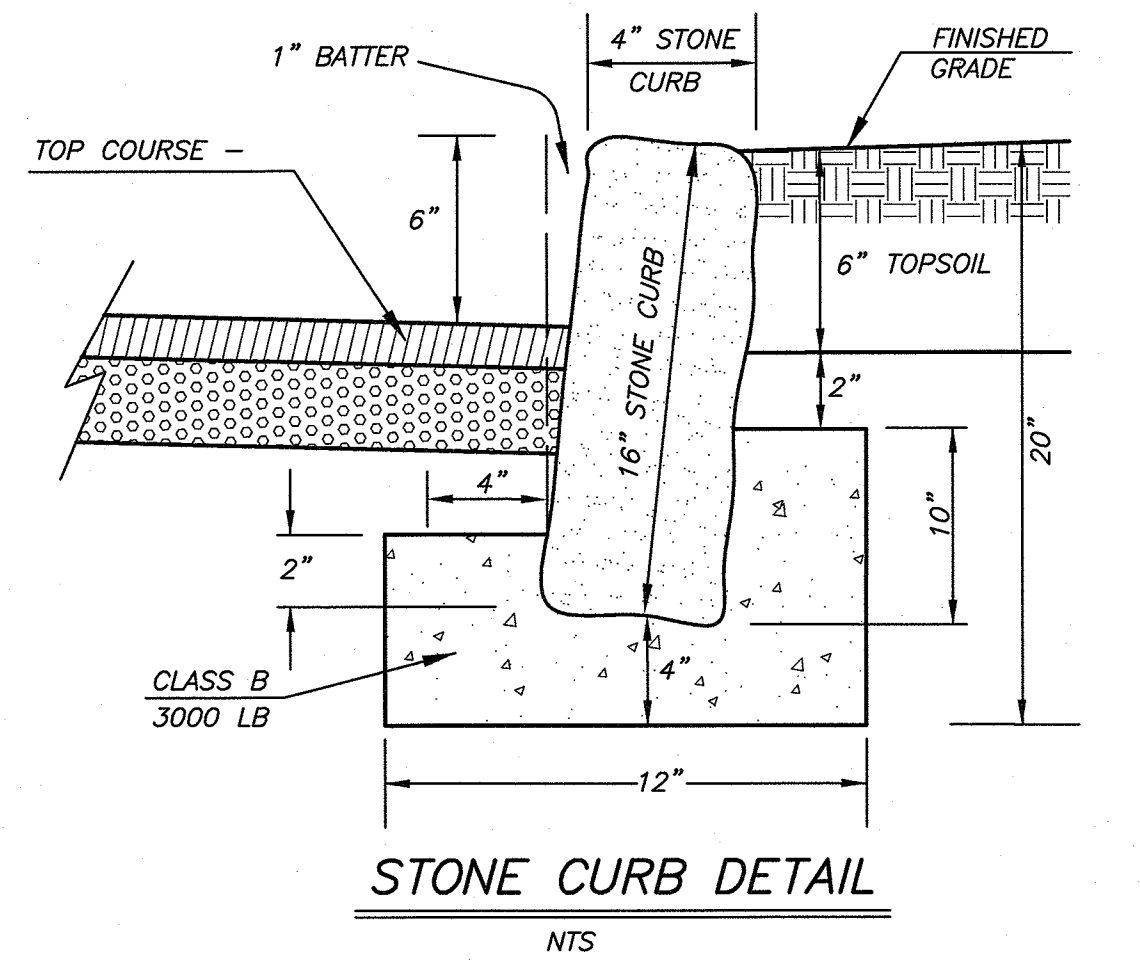
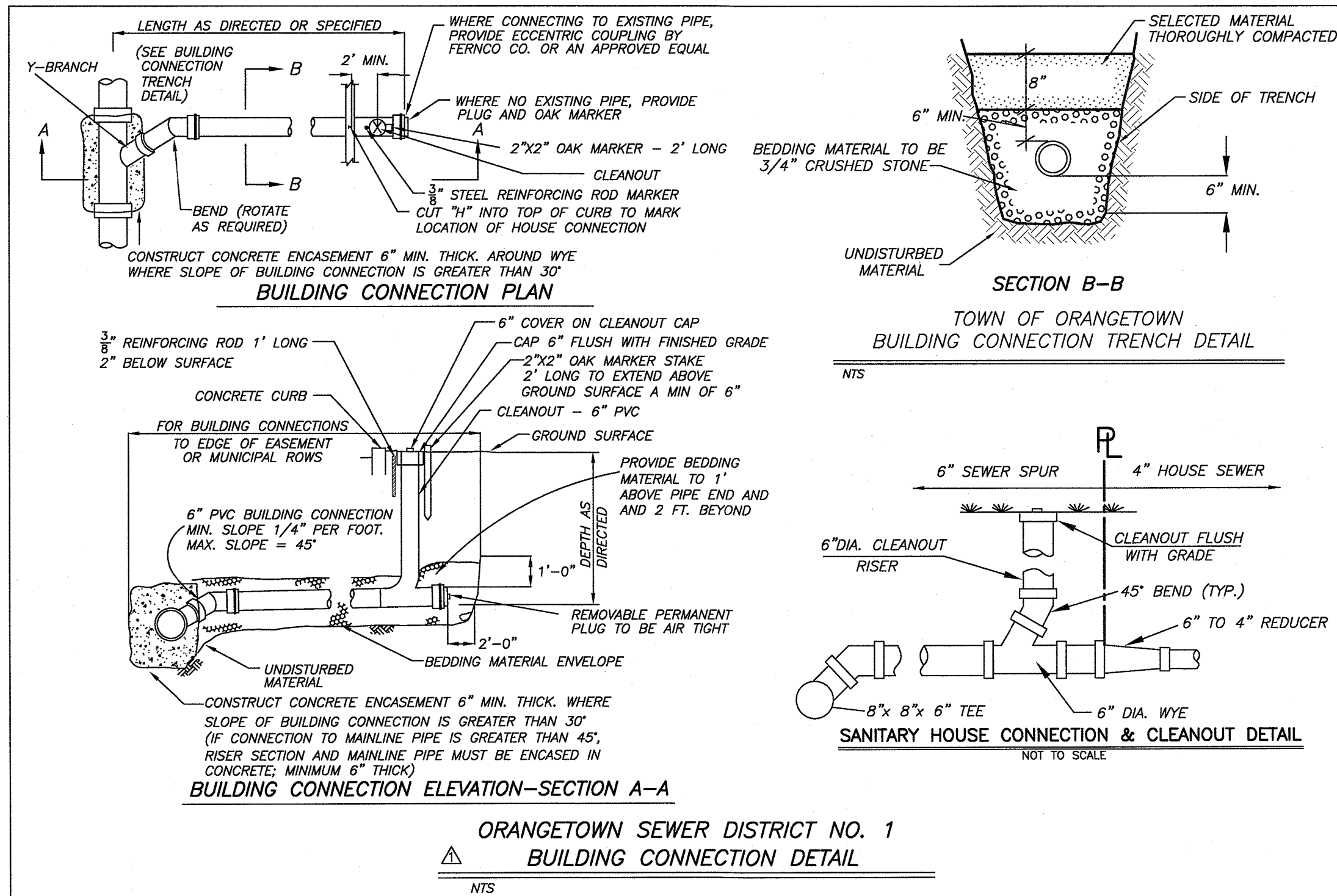
**TREE REMOVAL - EROSION CONTROL & LIMIT OF DISTURBANCE**

**SAFE 'N' SOUND CHILD CARE**

PEARL RIVER, TOWN OF ORANGETOWN  
ROCKLAND COUNTY, STATE OF NEW YORK

**JAY A. GREENWELL, PLS, LLC**

SURVEYING - LAND PLANNING  
85 LAFAYETTE AVENUE, SUFFERN, NEW YORK, 10901  
PHONE 845-357-0830 FAX 845-357-0756



**CIVIL DESIGN WORKS**  
 CIVIL ENGINEERING CONSULTANTS AND DESIGNERS  
 WWW.CIVILDISEIGNWORKS.COM  
 NEW YORK OFFICE (MAIN)  
 19 SQUADRON BLVD. WEST SUITE 200  
 NEW YORK, NY 10956  
 TELEPHONE OF 914-266-6441

**STATE OF NEW YORK**  
 JAY A. GREENWELL, PLS, LLC  
 LICENSE NO. 49676  
 GLENN WOODRUFF, PE  
 NYS LIC. # 84274

**PRELIMINARY**  
**DETAIL SHEET**  
**SAFE 'N' SOUND CHILD CARE**  
 PEARL RIVER, TOWN OF ORANGETOWN  
 ROCKLAND COUNTY, STATE OF NEW YORK

FILE 04-21908 DETAIL  
 SCALE AS SHOWN  
 DATE 1/05/22  
 JOB NO. 21908

DATE  
 1/05/22

JAY A. GREENWELL, PLS, LLC  
 SURVEYING - LAND PLANNING  
 85 LAFAYETTE AVENUE, SUFFERN, NEW YORK, 10901  
 PHONE 845-357-0830 FAX 845-357-0756

**STRUCTURAL DESIGN LOADING CRITERIA**

LIVE LOADS: ASHBY 15-20 HIGHWAY LOADINGS  
GROUND WATER TABLE: BELOW INVERT OF SYSTEM  
SOIL BEARING CAPACITY: 4000 PSF  
SOIL COMPRESSION: 130 PCF  
ELEVATION UNDEVELOPED: 20 PSF / FT.  
LATERAL ACTIVE EARTH PRESSURE: AS PER / FT. WATER TABLE PRESENT  
LATERAL ACTIVE EARTH PRESSURE: AS PER / FT. WATER TABLE PRESENT  
APPROXIMATE CODES: ACSI-218  
ROCKFILL TYPE: SEE SHEET 4.0 FOR BACKFILL OPTIONS

**STORMTRAP SYSTEM INFORMATION**

WATER STORAGE FROM: 15,976.77 CUBIC FEET  
WATER STORAGE FROM: 2,823.19 CUBIC FEET  
TOTAL WATER STORAGE FROM: 18,800 CUBIC FEET  
UNIT HEADROOM: 6'-0" SINGLETRAP  
UNIT QUANTITY: 24 TOTAL PIECES

**SITE SPECIFIC DESIGN CRITERIA**

1. STORMTRAP UNITS SHALL BE MANUFACTURED AND INSTALLED ACCORDING TO SHOP DRAWINGS APPROVED BY THE INSTALLING CONTRACTOR AND ENGINEER OF RECORD. THE SHOP DRAWINGS SHALL INDICATE SIZE AND LOCATION OF ROOF OPENINGS AND DAILEY OUTLET PIPE TYPES, SIZES, INVERT ELEVATIONS AND SIZE OF OPENINGS.  
2. COVER RANGE: MIN. 2'-0" MAX. 2'-8" CONSULT STORMTRAP FOR ADDITIONAL COVER OPTIONS.  
3. ALL DIMENSIONS AND SOLE CONDITIONS, INCLUDING BUT NOT LIMITED TO GROUNDFIRES AND SOIL BEARING CAPACITY ARE REQUIRED TO BE VERIFIED IN THE FIELD BY OTHERS PRIOR TO STORMTRAP INSTALLATION.  
4. FOR STRUCTURAL CALCULATIONS THE GRADE WATER TABLE IS ASSUMED TO BE BELOW INVERT OF SYSTEM. IF WATER TABLE IS OTHERWISE THAN ASSUMED, CONTACT STORMTRAP.

**StormTrap**

1587 WINDHAM PARKWAY  
ROCKFELLEN, IL 60446  
P: 815-941-4549 / F: 313-318-3347

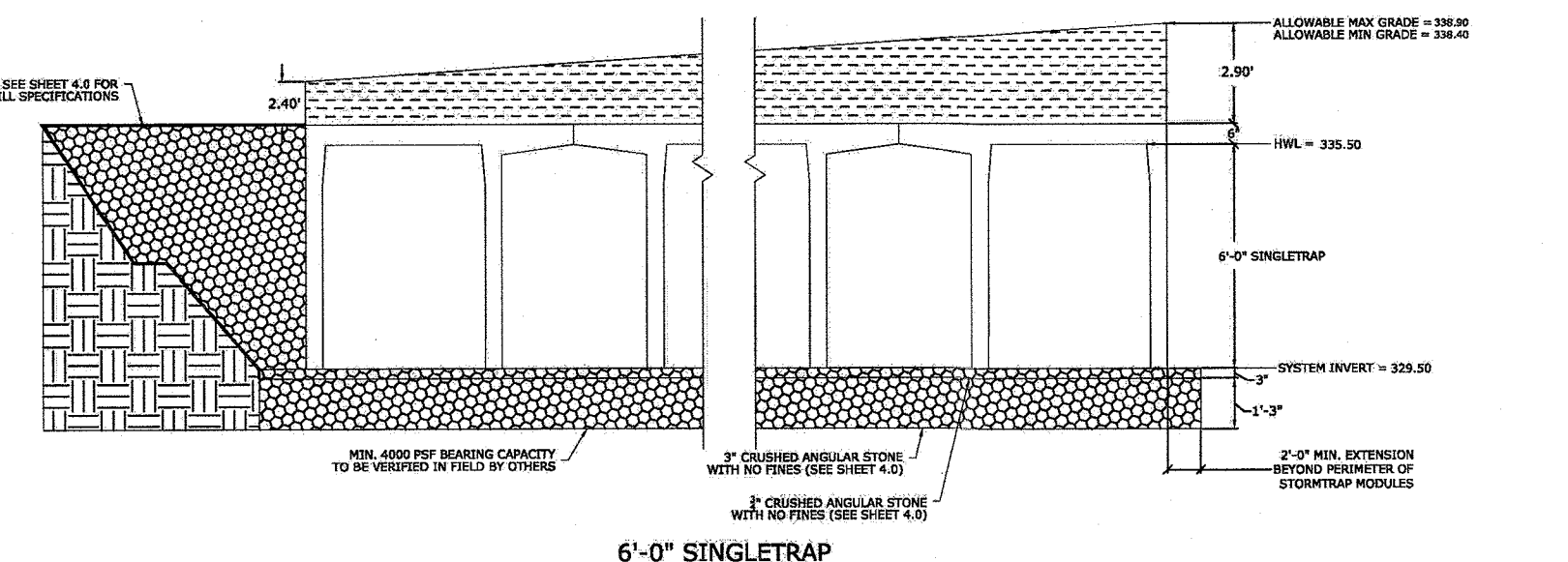
ENGINEER INFORMATION:  
CIVIL DESIGN WORKS, LLC  
17 ARROWHEAD RD  
OAKLAND, NJ  
201-560-3385

PROJECT INFORMATION:  
SAFE 'N' SOUND  
CHILD CARE  
PEARL RIVER, NY  
CURRENT ISSUE DATE:  
8/27/2019  
ISSUED FOR:  
PRELIMINARY

REV. DATE ISSUED FOR (BY)  
SCALE: NTS

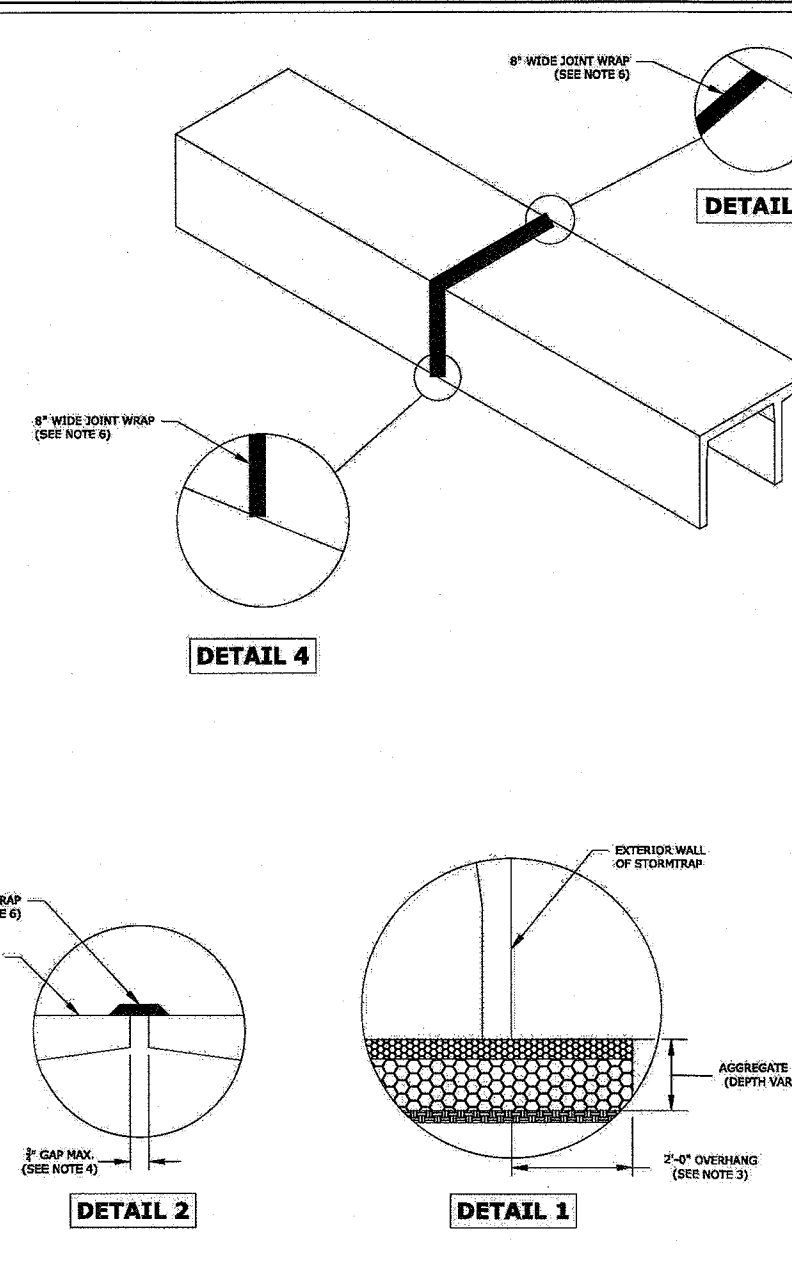
SHEET TITLE:  
**SINGLETRAP DESIGN CRITERIA**

SHEET NUMBER:  
**1.0**



**STORMTRAP INSTALLATION SPECIFICATIONS**

- STORMTRAP SHALL BE INSTALLED IN ACCORDANCE WITH ALL OTHER STANDARD PRACTICES FOR INSTALLATION OF UNDERGROUND PRE-CAST CONCRETE UTILITY STRUCTURES. THE FOLLOWING ADDITIONS AND EXCEPTIONS SHALL APPLY TO UNDERGROUND THE MODULES.
- IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO ENSURE THAT APPROPRIATE FOUNDATION IS USED TO SUPPORT THE MODULES.
- THE AGGREGATE FOUNDATION SHALL BE DESIGNED BASED ON THE FOLLOWING ASSUMPTIONS. THESE ASSUMPTIONS WILL NEED TO BE SUBMITTED BY A GEOTECHNICAL ENGINEER WHICH WILL NEED TO BE APPROVED BY THE OWNER.
- A QUALIFIED GEOTECHNICAL ENGINEER WILL BE REQUIRED, BY OWNER, TO PROVIDE ASSISTANCE IN EVALUATING THE EXISTING SOIL CONDITIONS BELOW THE PROPOSED ENGINEERED STONE FOUNDATION. IF A STONE FOUNDATION DESIGN IS TO BE USED, THE BEARING CAPACITY OF THE SOLE SHALL BE SUFFICIENT TO SUPPORT THE WEIGHT OF THE MODULES.
- A QUALIFIED GEOTECHNICAL ENGINEER WILL BE REQUIRED, BY OWNER, TO EVALUATE A SCOPE OF OTHER ASSUMPTIONS THAT WILL BE PLACED ON PROPOSED CONCRETE SOLE SIZE SHEET 1.0 FOR SOLE BEARING CAPACITY REQUIREMENTS. IF A CONCRETE SOLE DESIGN IS TO BE USED, THE BEARING CAPACITY OF THE SOLE SHALL BE SUFFICIENT TO SUPPORT THE WEIGHT OF THE MODULES.
- THE CONTRACTOR SHALL REMOVE ANY AND ALL EXPANSIBLE OR COLLAPSIBLE SOILS AT THE DISCRETION OF A QUALIFIED GEOTECHNICAL ENGINEER.
- THE AGGREGATE FOUNDATION SHALL BE INSTALLED SUCH THAT THE AGGREGATE EXTENDS A MINIMUM OF 2'-0" FROM THE TOP OF THE SYSTEM (SEE DETAIL 1).
- THE 18" AGGREGATE SHALL BE COMPACTED USING A VIBRATING ROLLER WITH ITS FULL DYNAMIC FORCE APPLIED TO ACHIEVE A FLAT SURFACE.
- SOIL, DRY AND COMPACT THE TOP 6" OF THE SURROUNDING SOILS TO 90% OF THE STANDARD DRY DENSITY AND 100% OF THE STANDARD MOISTURE CONTENT.
- AGGREGATE SHALL BE GRADED WITHIN +/- 1" OF THE GRADE SHOWN ON THE PLANS.
- MINIMUM SOIL BEARING CAPACITY LISTED ON SHEET 1.0 SHALL BE VERIFIED IN FIELD BY OTHERS.
- THE STORMTRAP MODULES SHALL BE PLACED SUCH THAT THE MAXIMUM SPACE BETWEEN ADJACENT MODULES DOES NOT EXCEED 0.5" (SEE DETAIL 3). IF THE SPACE EXCEEDS 0.5", THE MODULES SHALL BE SET WITH APPROPRIATE ADJUSTMENT PEGS TO LINE AND GRADE TO BRING THE SPACE INTO SPECIFICATION.
- STORMTRAP MODULES ARE NOT WATER-TIGHT. IF A WATER-TIGHT SOLUTION IS REQUIRED, CONTACT STORMTRAP FOR RECOMMENDATIONS. THE WATER-TIGHT APPLICATION IS TO BE PROVIDED AND IMPLEMENTED BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE SELECTED WATER-TIGHT SOLUTION PERFORMS AS SPECIFIED BY THE MANUFACTURER.
- ALL EXTERIOR JOINTS BETWEEN ADJACENT STORMTRAP MODULES SHALL BE SEALED WITH 1/2" DIA. PRE-APPLIED POLYSILOXANE SEALANT TO ACHIEVE WEATHER-TIGHT JOINTS. THE SEALANT SHALL BE APPLIED TO THE EXTERIOR SURFACE OF THE MODULES. THE SEALANT SHALL BE APPLIED TO THE EXTERIOR SURFACE OF THE MODULES. THE SEALANT SHALL BE APPLIED TO THE EXTERIOR SURFACE OF THE MODULES.
- USE A BRUSH OR WET CLOTH TO THOROUGHLY CLEAN THE EXTERIOR SURFACE AT THE POINT WHERE THE JOINT SEALANT IS TO BE APPLIED.
- A BRUSH SHALL PROTECT THE ADHESIVE SIDE OF THE JOINT SEALANT FROM THE EXTERIOR SURFACE. REMOVE THE BRUSH IMMEDIATELY AFTER THE JOINT SEALANT IS APPLIED TO THE EXTERIOR SURFACE.
- IF THE CONTRACTOR NEEDS TO CANCEL ANY APPLICANTS, THEY MUST DO SO 48 HOURS PRIOR TO THEIR SCHEDULED ARRIVAL AT THE JOB SITE. IF CANCELED AFTER THAT TIME, PLEASE CONTACT THE PROJECT MANAGER.
- IF THE STORMTRAP MODULES ARE DAMAGED IN ANY MANNER, REMOVE OR REPLACE THE DAMAGED MODULES. THEY MUST BE CONTACTED IMMEDIATELY TO ADDRESS THE DAMAGE AND TO DETERMINE WHETHER OR NOT THE MODULES WILL NEED TO BE REPLACED. IF ANY MODULE DAMAGES THE SURFACE, THE CONTRACTOR SHALL BE RESPONSIBLE TO ADDRESS THE DAMAGE IMMEDIATELY.
- STORMTRAP MODULES CANNOT BE ALTERED IN ANY WAY AFTER MANUFACTURING WITHOUT WRITTEN CONSENT FROM STORMTRAP.



**StormTrap**

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ROCKFELLEN, IL 60446  
P: 815-941-4549 / F: 313-318-3347

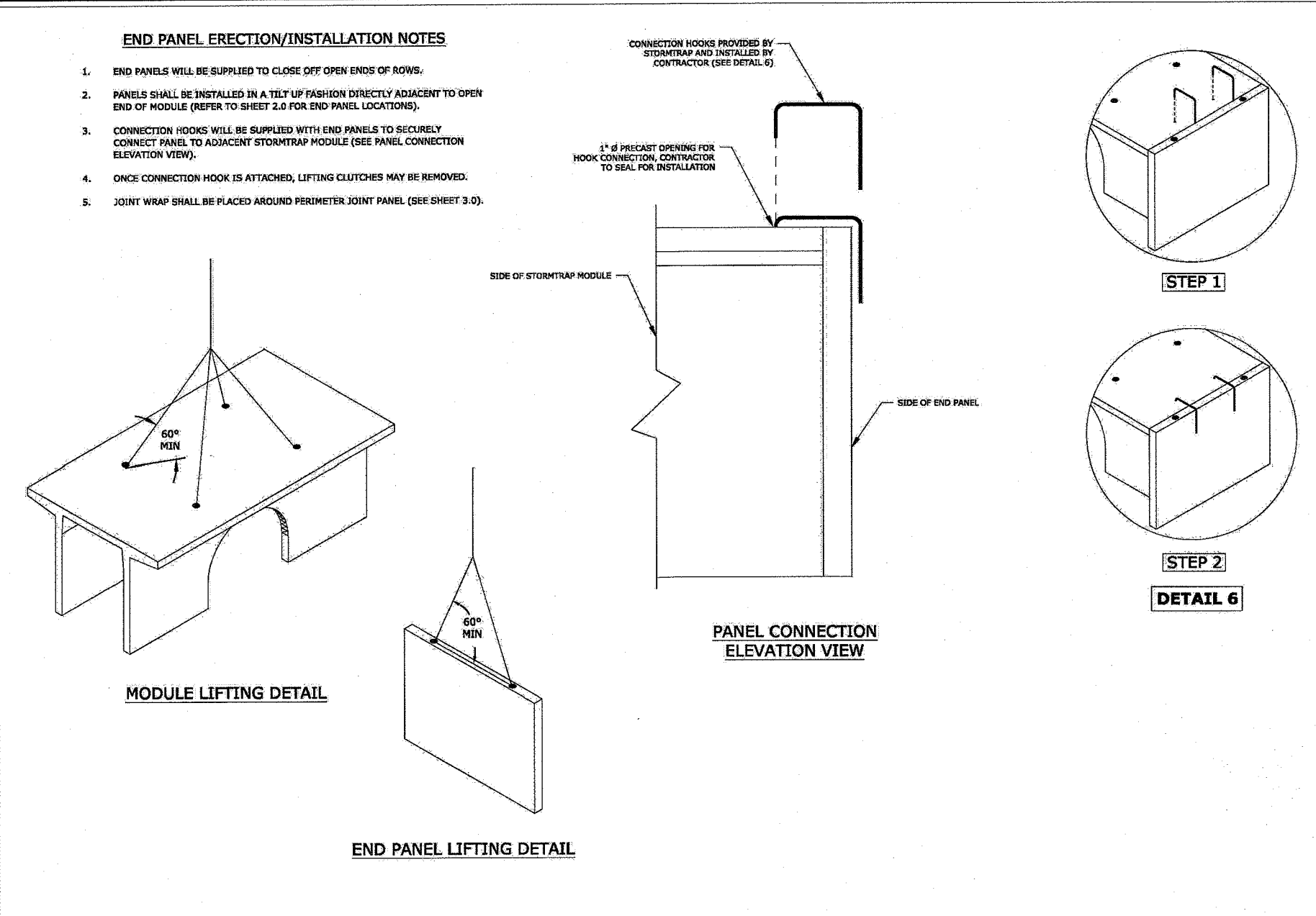
ENGINEER INFORMATION:  
CIVIL DESIGN WORKS, LLC  
17 ARROWHEAD RD  
OAKLAND, NJ  
201-560-3385

PROJECT INFORMATION:  
SAFE 'N' SOUND  
CHILD CARE  
PEARL RIVER, NY  
CURRENT ISSUE DATE:  
8/27/2019  
ISSUED FOR:  
PRELIMINARY

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SHEET TITLE:  
**SINGLETRAP INSTALLATION SPECIFICATIONS**

SHEET NUMBER:  
**3.0**



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SHEET NUMBER:  
**3.1**

**ZONE CHART**

ZONES	ZONE DESCRIPTIONS	REMARKS
ZONE 1A	FOUNDATION ASSURANCE	#4 BARS WITH SPOBS (SEE NOTE FOR DISCRETION)
ZONE 1B	FOUNDATION ASSURANCE	#4 BARS WITH SPOBS (SEE NOTE FOR DISCRETION)
ZONE 2	BACKFILL	UNDESIGNED BACKFILL (SEE NOTE FOR DISCRETION) (SEE NOTE FOR DISCRETION)
ZONE 3	FINAL COVER OUTLET	MATERIALS NOT TO EXCEED 18\"/>

**STORMTRAP ZONE INSTALLATION SPECIFICATIONS/PROCEDURES**

FILL DEPTH	TRACK WIDTH	MAX. UPPER WEIGHT (KIPS)	MAX. GROWER PRESSURE (PSI)
3\"/>			

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SHEET TITLE:  
**SINGLETRAP BACKFILL SPECIFICATIONS**

SHEET NUMBER:  
**4.0**

**RECOMMENDED ACCESS OPENING SPECIFICATION**

- A TYPICAL ACCESS OPENING FOR THE STORMTRAP SYSTEM IS 2'-0" X 3'-0" ACCESS OPENING. ACCESS OPENINGS SHALL BE 1'-0" IN GROWER AND TO BE MAXIMUM SIZE OF THE STORMTRAP MODULES UNLESS NOTED OTHERWISE. ALL ACCESS OPENINGS SHALL BE INSTALLED IN THE RISE AND STAIR DETAILS.
- PLASTIC COATED STEEL STRUCTURE WITH A MINIMUM RAIL 1/4\"/>

**RECOMMENDED PIPE OPENING SPECIFICATION**

- MINIMUM EDGE DISTANCE FOR AN OPENING ON THE OUTSIDE WALL SHALL BE NO LESS THAN 1'-0\"/>

**RECOMMENDED PIPE INSTALLATION INSTRUCTIONS**

- CLEAN AND LIGHTLY LUBRICATE ALL OF THE PIPE TO BE INSERTED INTO STORMTRAP.
- IF PIPE IS CASE CHAIR SHOULD BE TAKEN TO ALLOW FOR SWAMP EVIDENCE. REMOVE AND UNLOAD PIPE ON GRADE.
- ALIGN CENTER OF PIPE TO CORRECT ELEVATION AND INSERT INTO OPENING.

**StormTrap**

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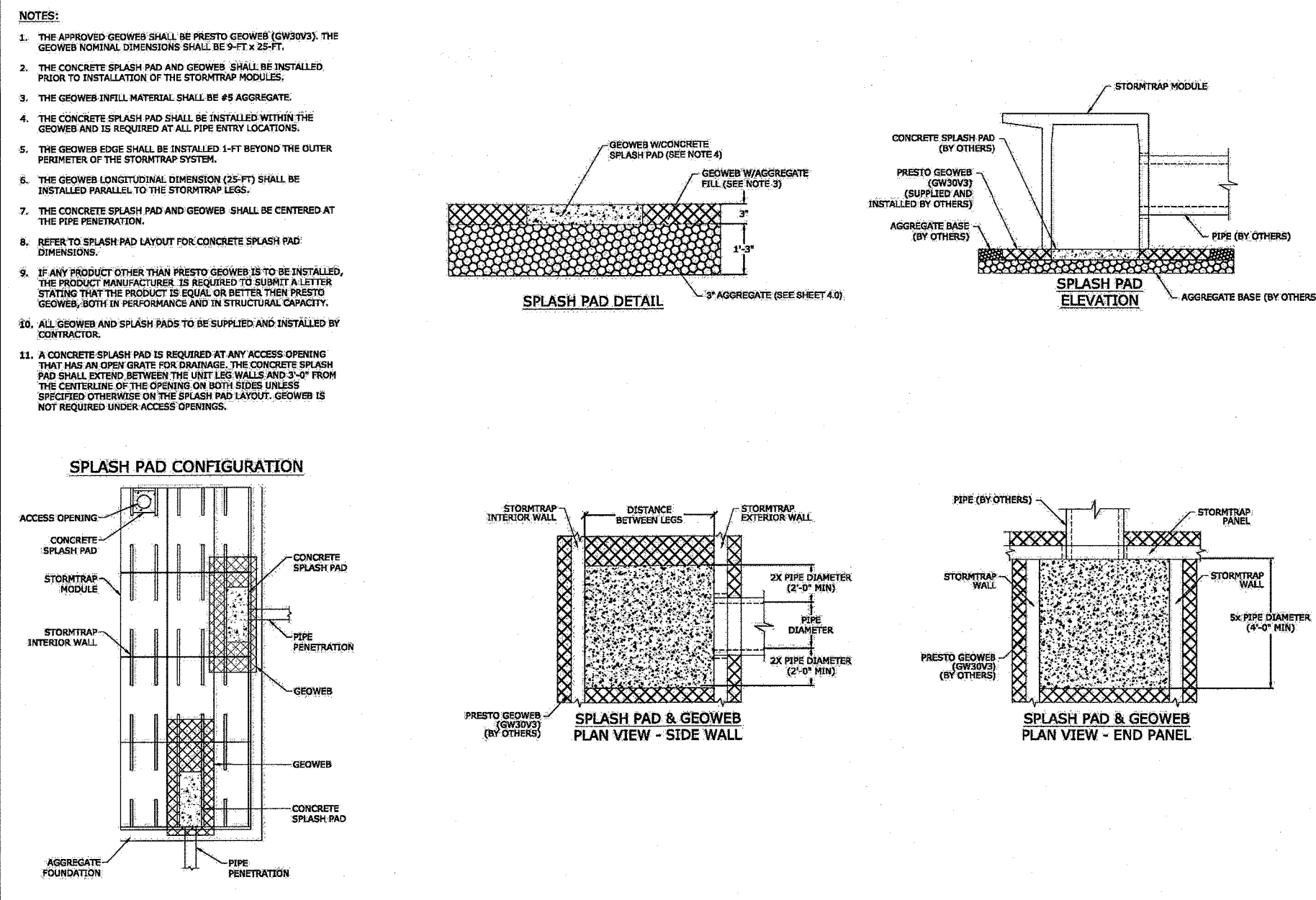
ENGINEER INFORMATION:  
CIVIL DESIGN WORKS, LLC  
17 ARROWHEAD RD  
OAKLAND, NJ  
201-560-3385

PROJECT INFORMATION:  
SAFE 'N' SOUND  
CHILD CARE  
PEARL RIVER, NY  
CURRENT ISSUE DATE:  
8/27/2019  
ISSUED FOR:  
PRELIMINARY

REV. DATE ISSUED FOR (BY)  
SCALE: NTS

SHEET TITLE:  
**RECOMMENDED PIPE / ACCESS OPENING SPECIFICATIONS**

SHEET NUMBER:  
**5.0**



**StormTrap**

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CHILD CARE  
PEARL RIVER, NY  
CURRENT ISSUE DATE:  
8/27/2019  
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PRELIMINARY

REV. DATE ISSUED FOR (BY)  
SCALE: NTS

SHEET TITLE:  
**SPASH PAD & GEOWEB DETAILS**

SHEET NUMBER:  
**6.0**

STEPPED OR SHARPEDED AND APPROVED FOR APPROVED (SEE INSTALLATION SPECIFICATIONS)

BACKFILL DETAIL

PRELIMINARY

**STORM TRAP DETAIL SHEET**

**SAFE 'N' SOUND CHILD CARE**

PEARL RIVER, TOWN OF ORANGETOWN  
ROCKLAND COUNTY, STATE OF NEW YORK

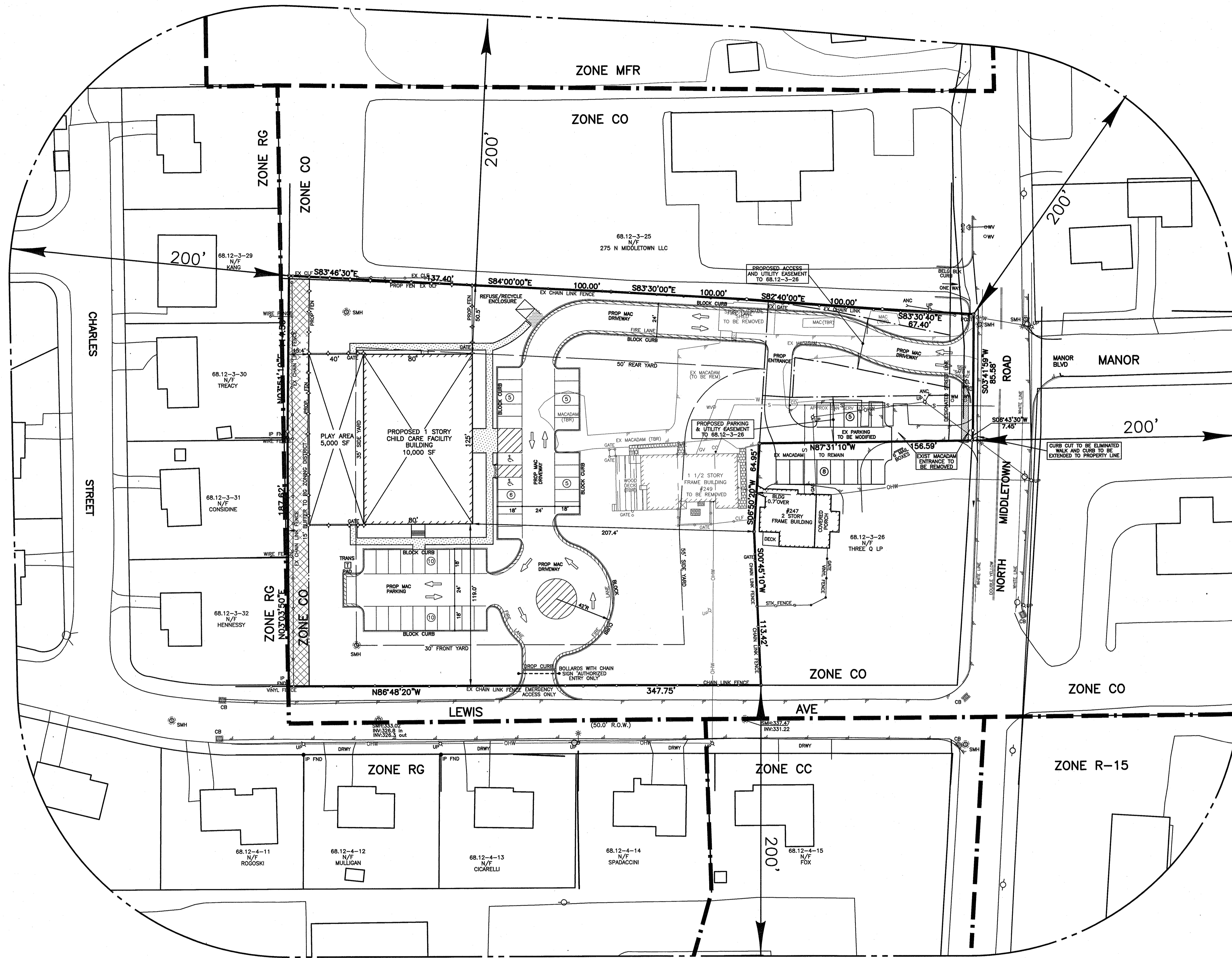
JAY A. GREENWELL, PLS, LLC

SURVEYING - LAND PLANNING  
85 LAFAYETTE AVENUE, SUFFERN, NEW YORK, 10901  
PHONE 845-357-0830 FAX 845-357-0756

DATE OF MAP: MARCH 8, 2019

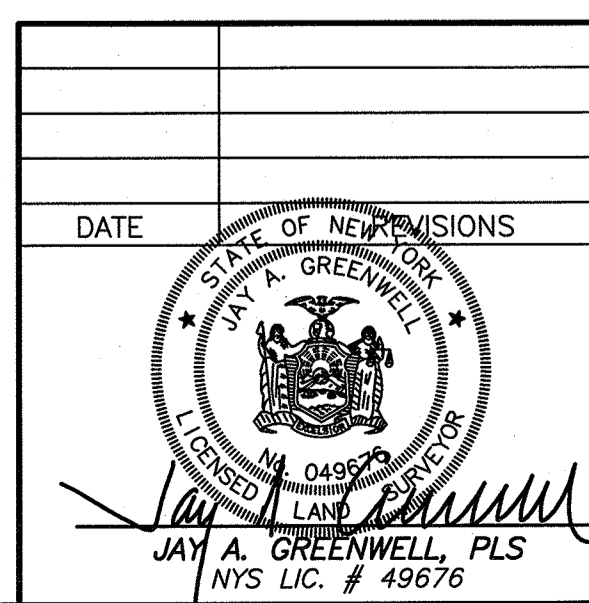
DATE	REVISIONS

FILE  
21908 STORM TRAP  
SCALE  
1" = 30'  
DATE  
1/05/22  
JOB NO.  
21908  
SHEET 5



**LEGEND**

DRAINAGE INLET W/PIPES	
DRAIN MANHOLE/ WITH PIPES	
TOP CURB @ CATCH BASIN	
TOP GRATE FIELD INLET	
REINFORCED CONCRETE PIPE	
CORRUGATED PLASTIC PIPE	
UTILITY POLE	
UTILITY POLE WITH LIGHT	
WATER VALVE	
HYDRANT	
GAS VALVE	
IRRIGATION CONTROL VALVE	
OVERHEAD WIRES	
GAS LINE	
GAS, ELEC, TEL, CATV	
WATER LINE	
CONTOUR LINE	
SPOT GRADE	



PRELIMINARY		TAX LOT #
200' RADIUS EXHIBIT		68.12-3-27
SAFE 'N' SOUND CHILD CARE		AREA
PEARL RIVER, TOWN OF ORANGETOWN		116,960 SF
ROCKLAND COUNTY, STATE OF NEW YORK		FILE
JAY A. GREENWELL, PLS, LLC		06-21908 200 FT
SURVEYING - LAND PLANNING		SCALE
85 LAFAYETTE AVENUE, SUFFERN, NEW YORK, 10901		1" = 40'
PHONE 845-357-0830 FAX 845-357-0756		DATE
1/05/22		JOB NO.
21908		

SURVEYOR:

**SAFE N SOUND**  
PEARL RIVER  
ROCKLAND COUNTY, NEW YORK

DATE: AUGUST 16, 2019  
DRAWN BY: BMY  
JOB NO: 100117  
SCALE: 1"=30'-0"  
FILENAME: 2022\_0124\_Safe\_n\_Sound

REVISIONS:  
4/28/2021  
1/25/2022

Bythe M Yost ASLA | Registered Landscape Architect

**CONCEPTUAL PLANTING PLAN**

SHEET NO.

**L-701**

SHEET: 1 of 1

**PLANTING NOTES**

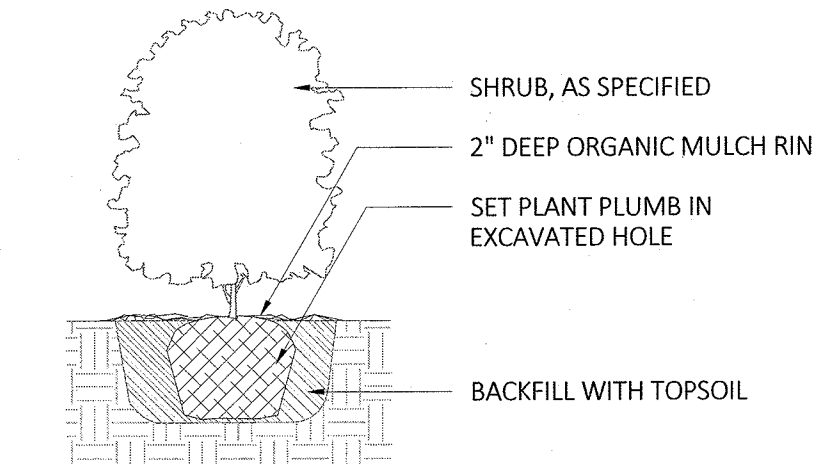
- PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED, INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS, AND CLEAN-UP.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT. LAYOUT TO BE APPROVED BY LA PRIOR TO INSTALLATION.
- PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS; WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
- CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL.
- ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISIONS SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST ONE YEAR FROM THE DATE OF ACCEPTANCE FOR TREES AND SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
- IN SO FAR AS IT IS PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT, IRRIGATE & CARE FOR STOCK NOT PLANTED.
- QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI Z60 (REV. 1980) "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERMEN, INC.
- ALL PLANTS SHALL BE PLANTED IN AMENDED TOP SOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK FILLING PROGRESSES. PLANTING MIX TO BE AS SHOWN ON PLANTING DETAILS. LARGE PLANTING AREAS TO INCORPORATE FERTILIZER AND SOIL CONDITIONERS AS STATED IN PLANTING SPECIFICATIONS.
- PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL ONLY.
- PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION.
- NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
- SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH LEVEL THAT A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PIT.
- ALL INJURED ROOTS SHALL BE PRUNED UTILIZING CLEAN, SHARP TOOLS TO MAKE CLEAN ENDS BEFORE PLANTING.
- EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.
- ALL PLANTING BEDS SHALL BE MULCHED WITH 2" LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH.
- ALL DISTURBED AREAS TO BE TREATED WITH 3" TOP SOIL & SEEDED IN ACCORDANCE WITH PERMANENT STABILIZATION METHODS.

**TREE LEGEND**

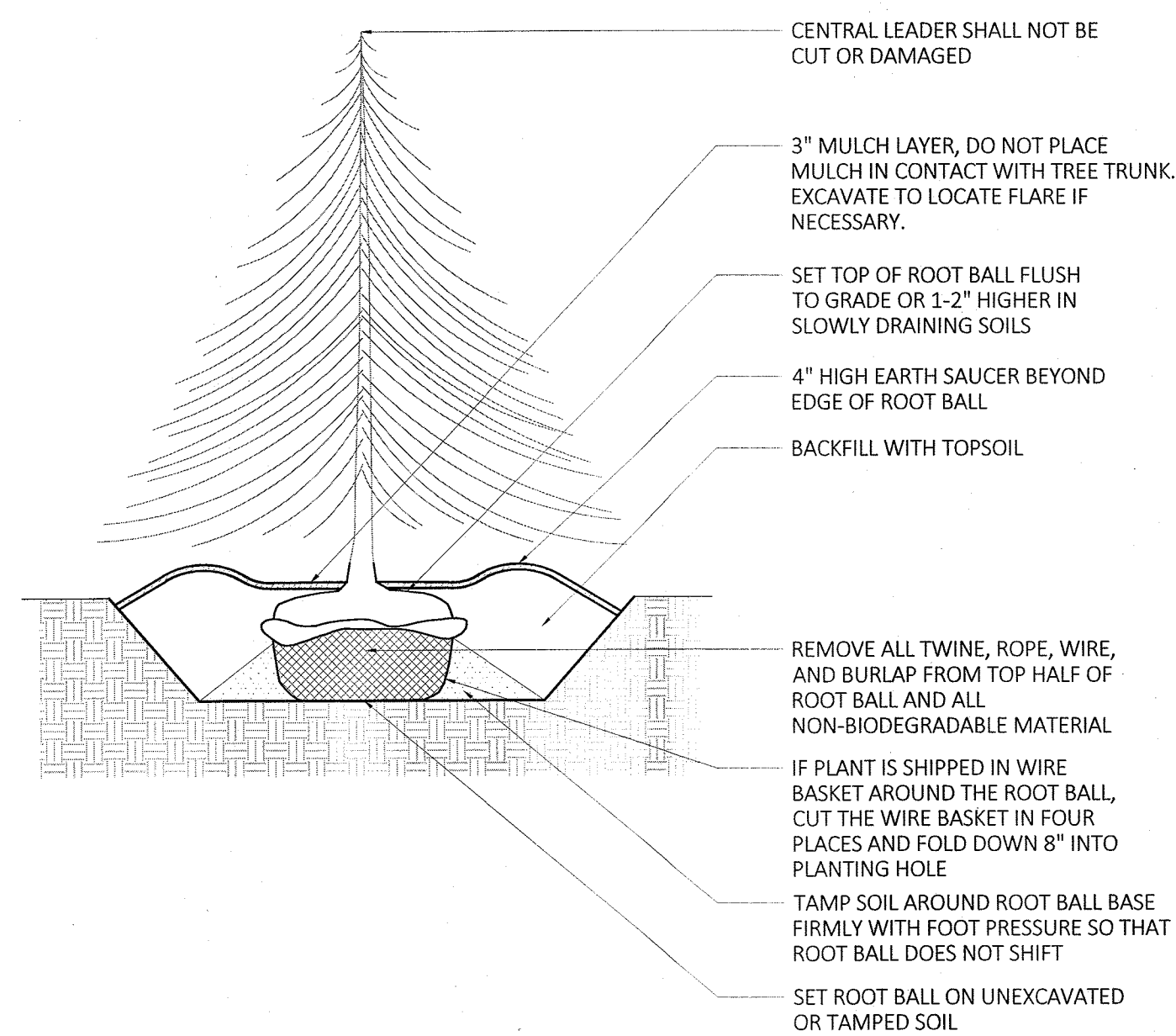
- 12" K2: SIZE IN INCHES (LARGEST DIA SHOWN IN TWIN/TRIPLE)  
LETTER INDICATES TREE TYPE (SEE BELOW)  
SECOND NUMBER (2), (3) INDICATES TWIN/TRIPLE
- 12" X: TREE TO BE REMOVED
- A = ASH  
BN = BUTTERNUT  
B = BIRCH  
C = CHERRY  
H = HICKORY  
HL = HOLLY  
J = JAPANESE MAPLE  
L = LOCUST  
M = MAPLE  
K = OAK  
P = PINE  
S = SYCAMORE  
SG = SWEETGUM

**NOTES:**

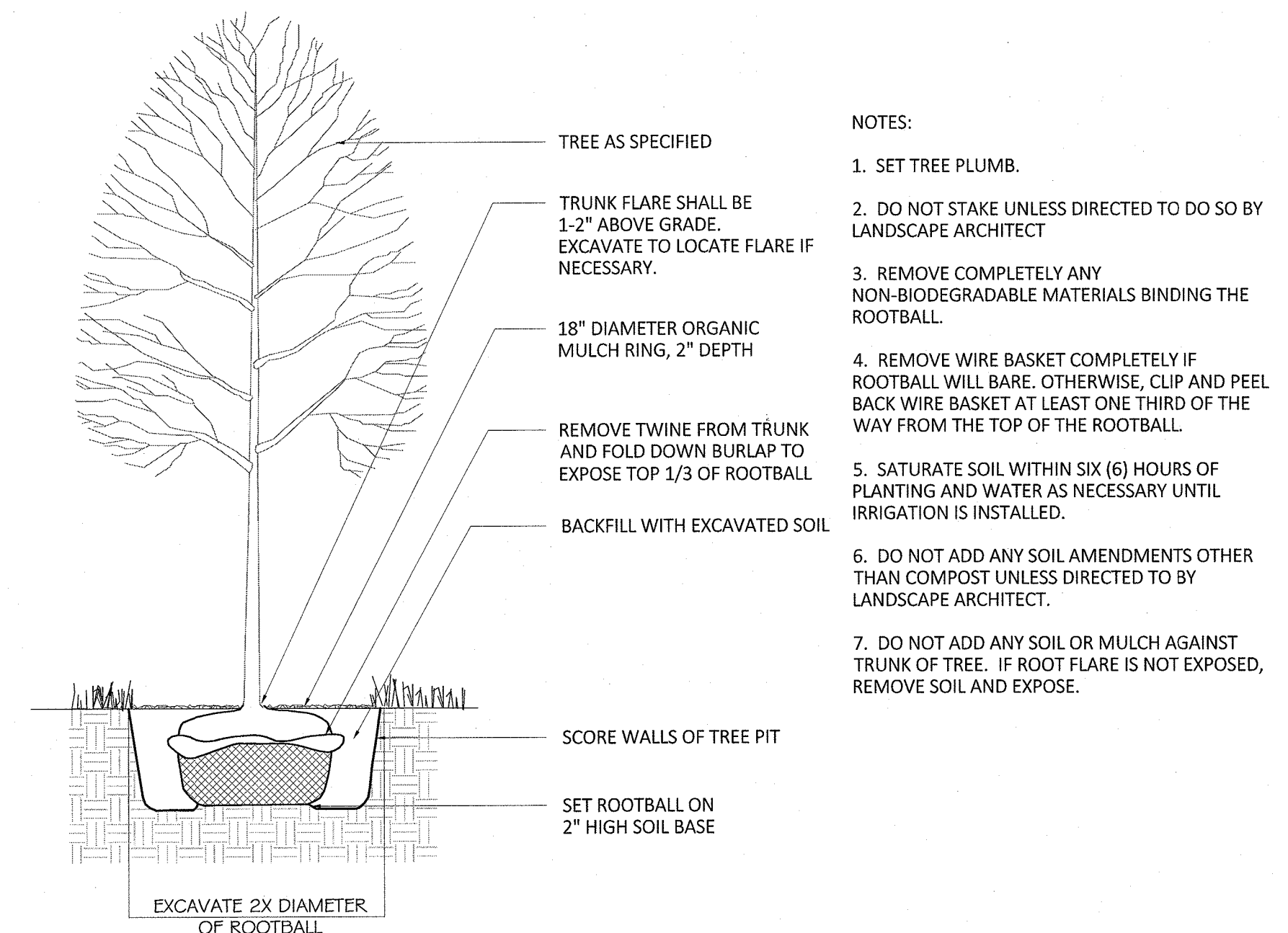
- FOR B & B PLANT MATERIAL, REMOVE ALL TWINE AND ROLL BACK BURLAP FROM TOP 1/2 OF BALL. IF ANY MATERIALS USED TO BIND THE ROOTBALL ARE NON-BIODEGRADABLE, REMOVE COMPLETELY INCLUDING WIRE BASKET.
- FOR CONTAINER GROWN PLANT MATERIAL, REMOVE CONTAINER. TO HELP PREVENT LOOSENING OF SOIL AND SCARIFY BALL TO HELP PREVENT GIRDLING ROOTS.
- SATURATE SOIL WITHIN SIX (6) HOURS OF PLANTING, AND WATER AS NECESSARY UNTIL IRRIGATION IS INSTALLED.
- NO MULCH OR SOIL SHOULD BE PLACED AGAINST THE PLANT'S TRUNK.



1 SHRUB PLANTING  
SCALE: 1/2"=1'

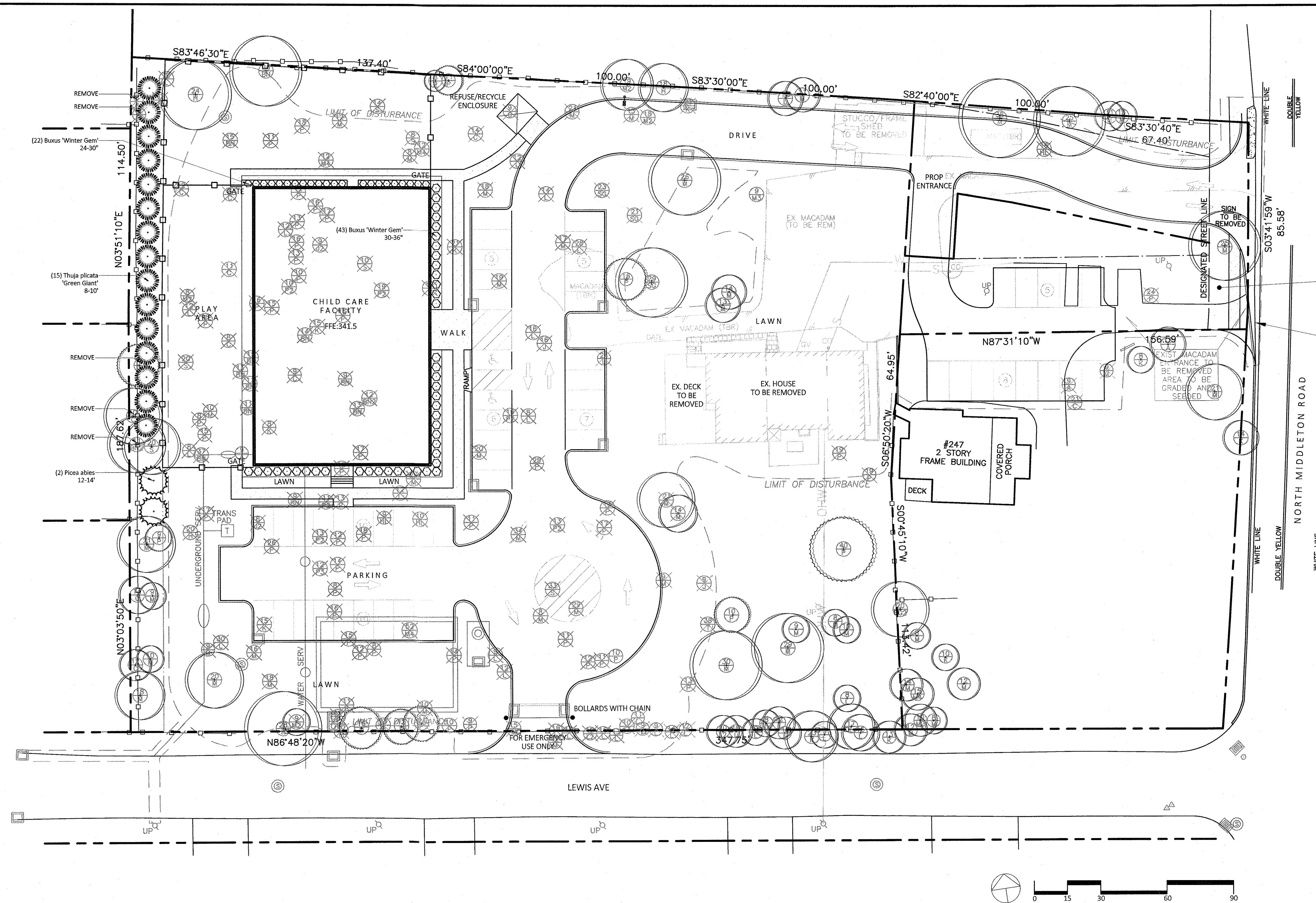


2 EVERGREEN TREE PLANTING  
SCALE: 1/4"=1'



3 DECIDUOUS TREE PLANTING  
SCALE: 1/4"=1'

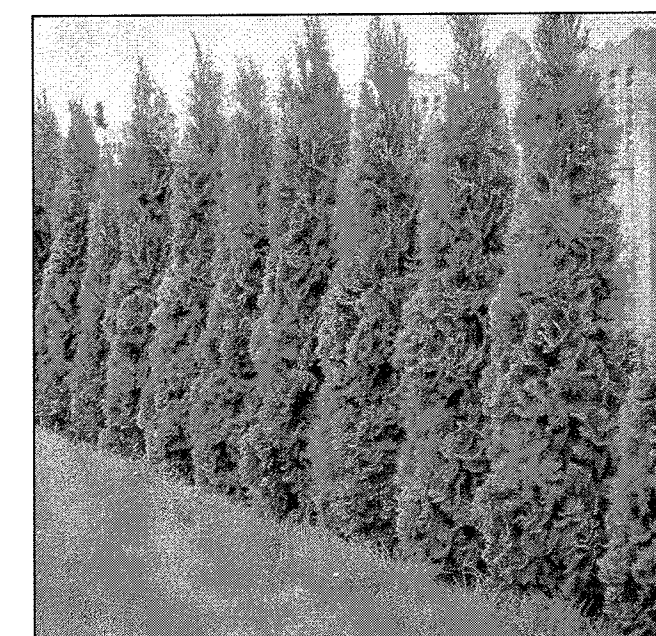
TO SCALE WHEN PLOTTED ON 24x36  
PROGRESS SET NOT FOR CONSTRUCTION



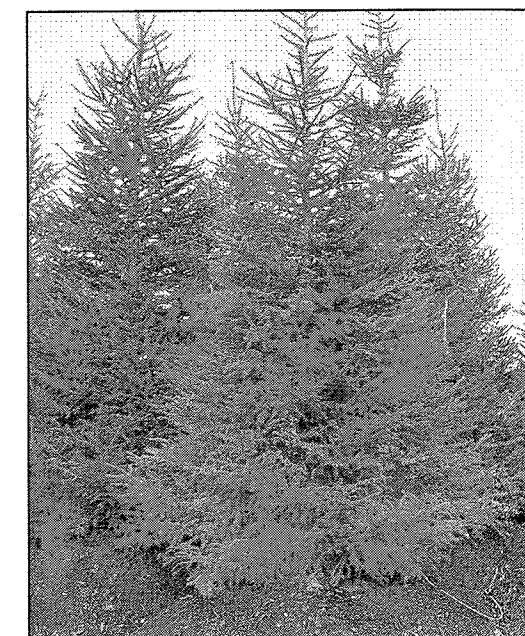
**PLANTING SCHEDULE**

QTY	BOTANICAL NAME	COMMON NAME	SIZE
<b>TREES</b>			
2	Picea abies	Norway Spruce	12-14' HT
15	Thuja 'Green Giant'	Green Giant Arborvitae	7-8' HT
<b>SHRUBS</b>			
22	Buxus 'Winter Gem'	Winter Gem Boxwood	24-30"
43	Buxus 'Winter Gem'	Winter Gem Boxwood	30-36"

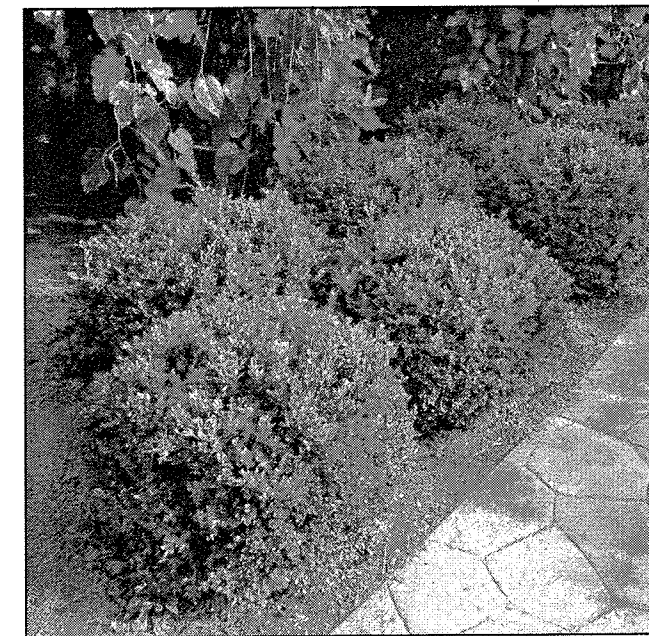
**PLANTING IMAGES**



Thuja 'Green Giant'



Picea abies



Buxus 'Winter Gem'

