



EruditionalMIAMI-DADE COUNTY, FLORIDA



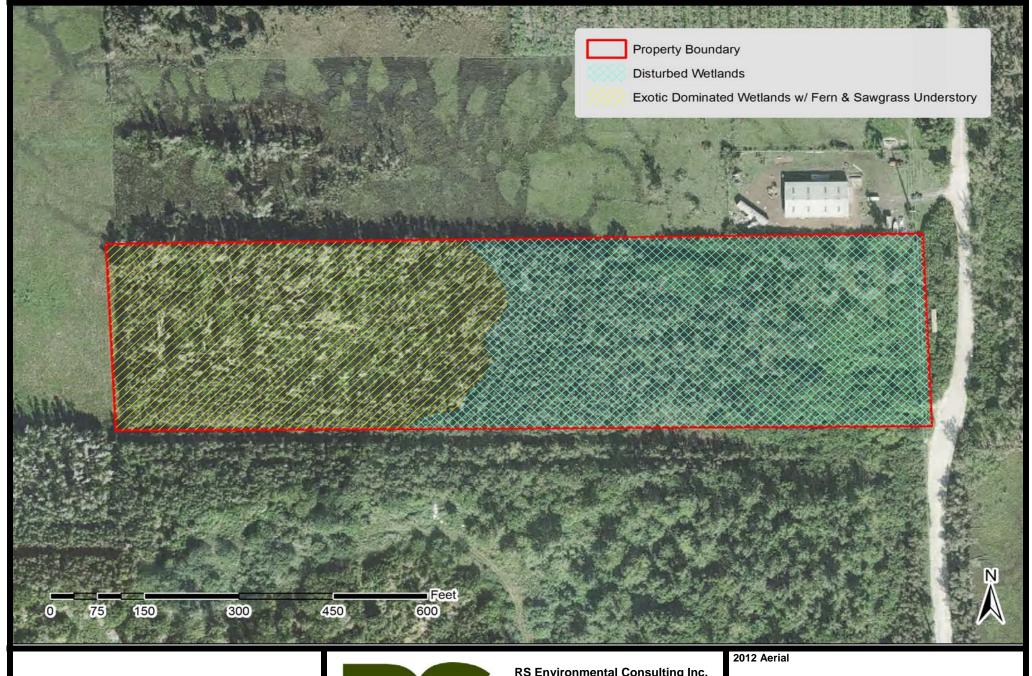
RS Environmental Consulting Inc. P.O. Box 161158 Miami FL, 33116 Phone: 305-383-3404 Fax: 305-3833270

www.rs-env.com

Location Map

T-52,R-40,S-17

DRAWN BY: LVK	DATE: 4-20-2015
CHECKED BY: RWS	SCALE: AS SHOWN



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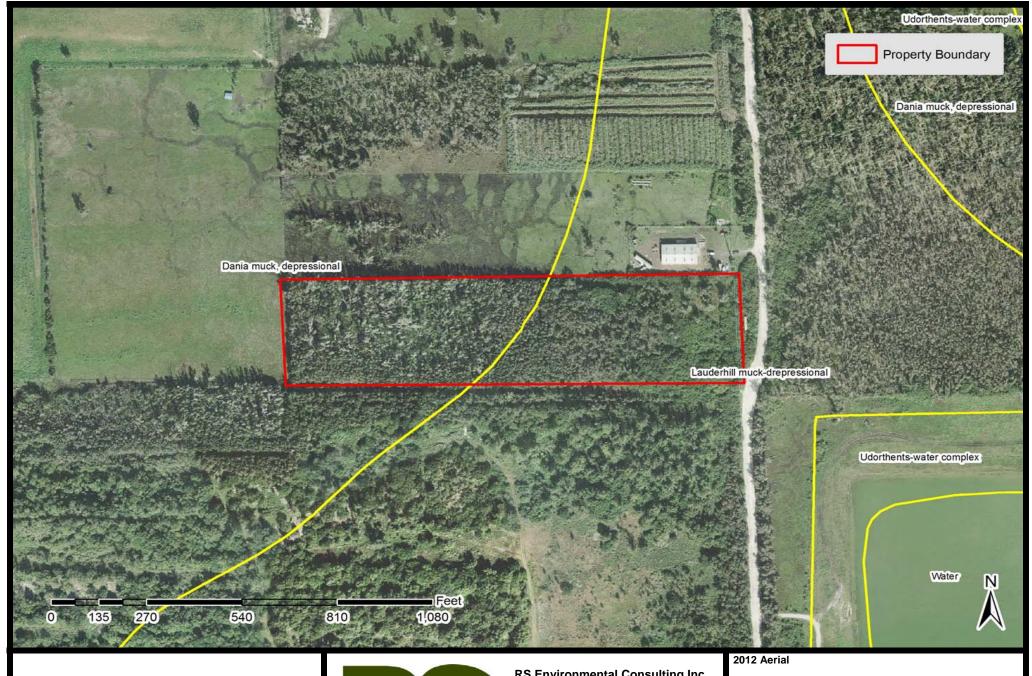
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Wetland ID Map

T-52,R-40,S-17

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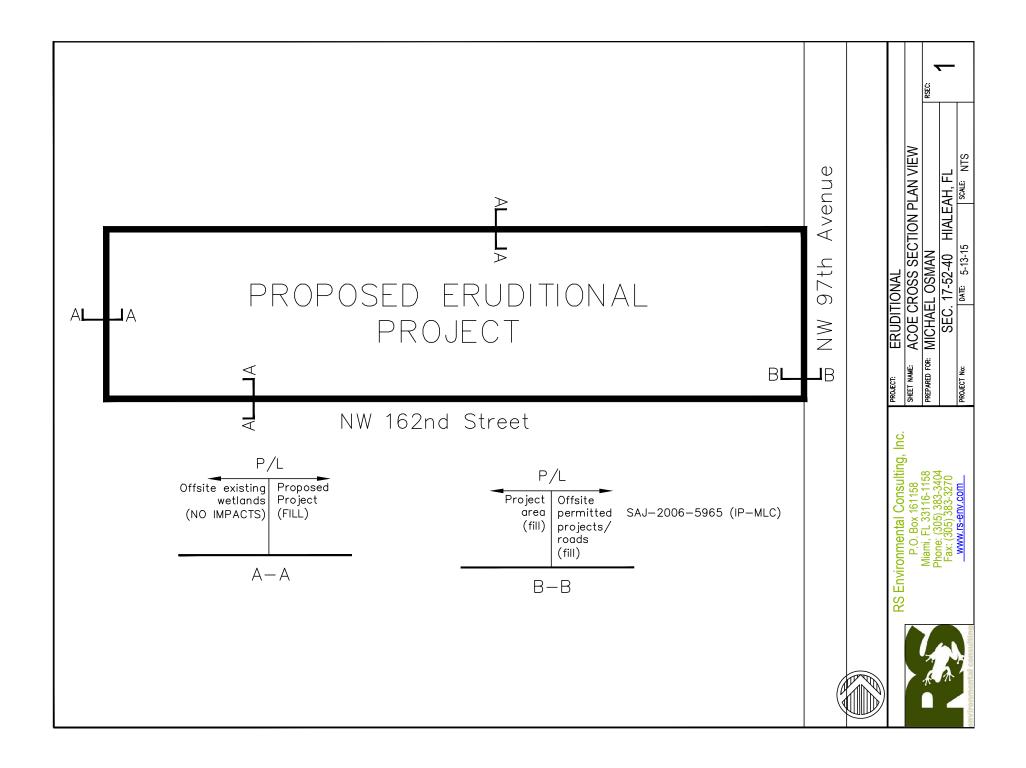
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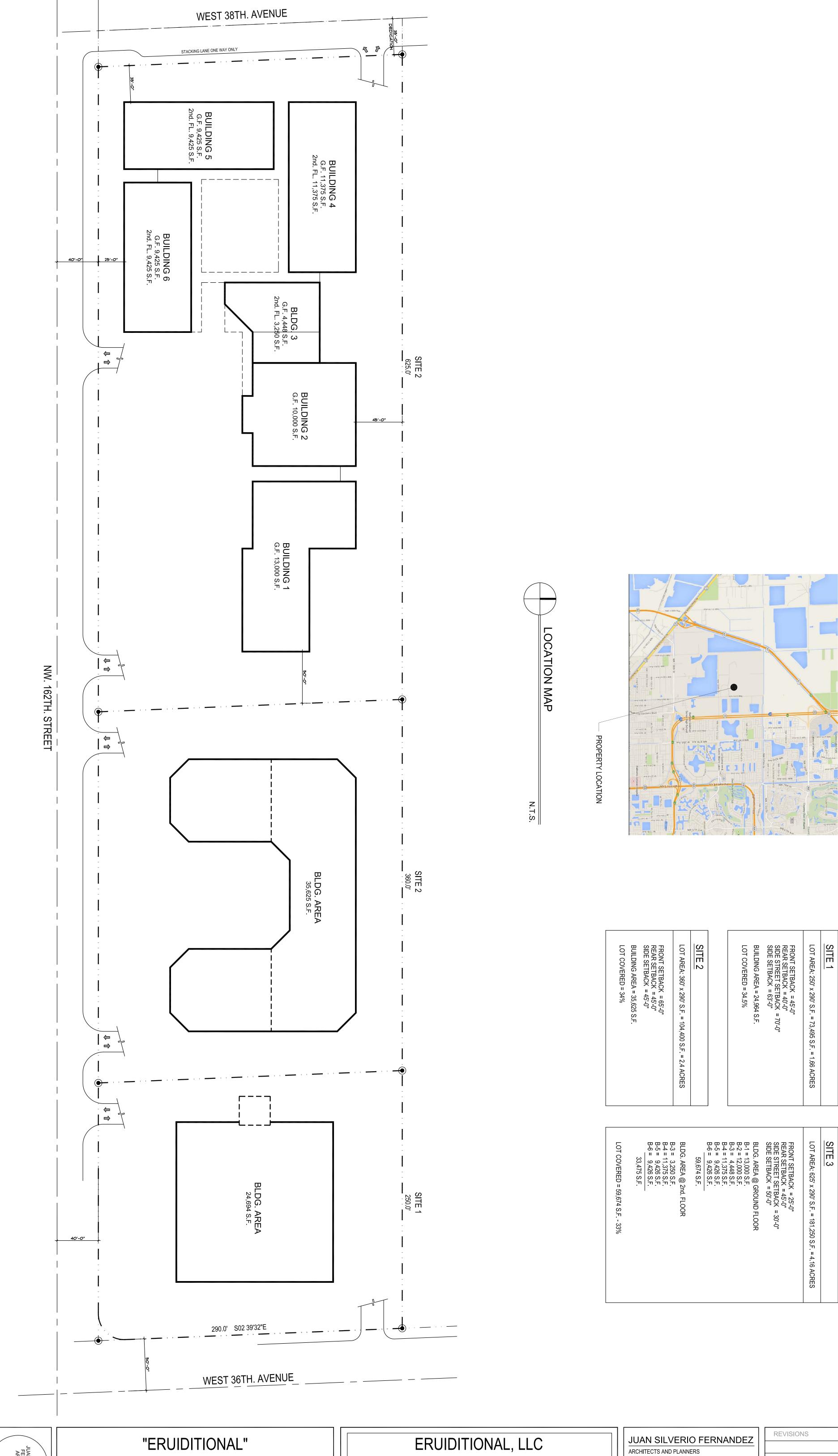
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Soils Map

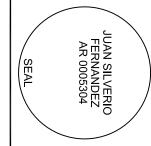
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SP-1



CONCEPTUAL SITE PLAN

SCALE: 1" = 500'-0"

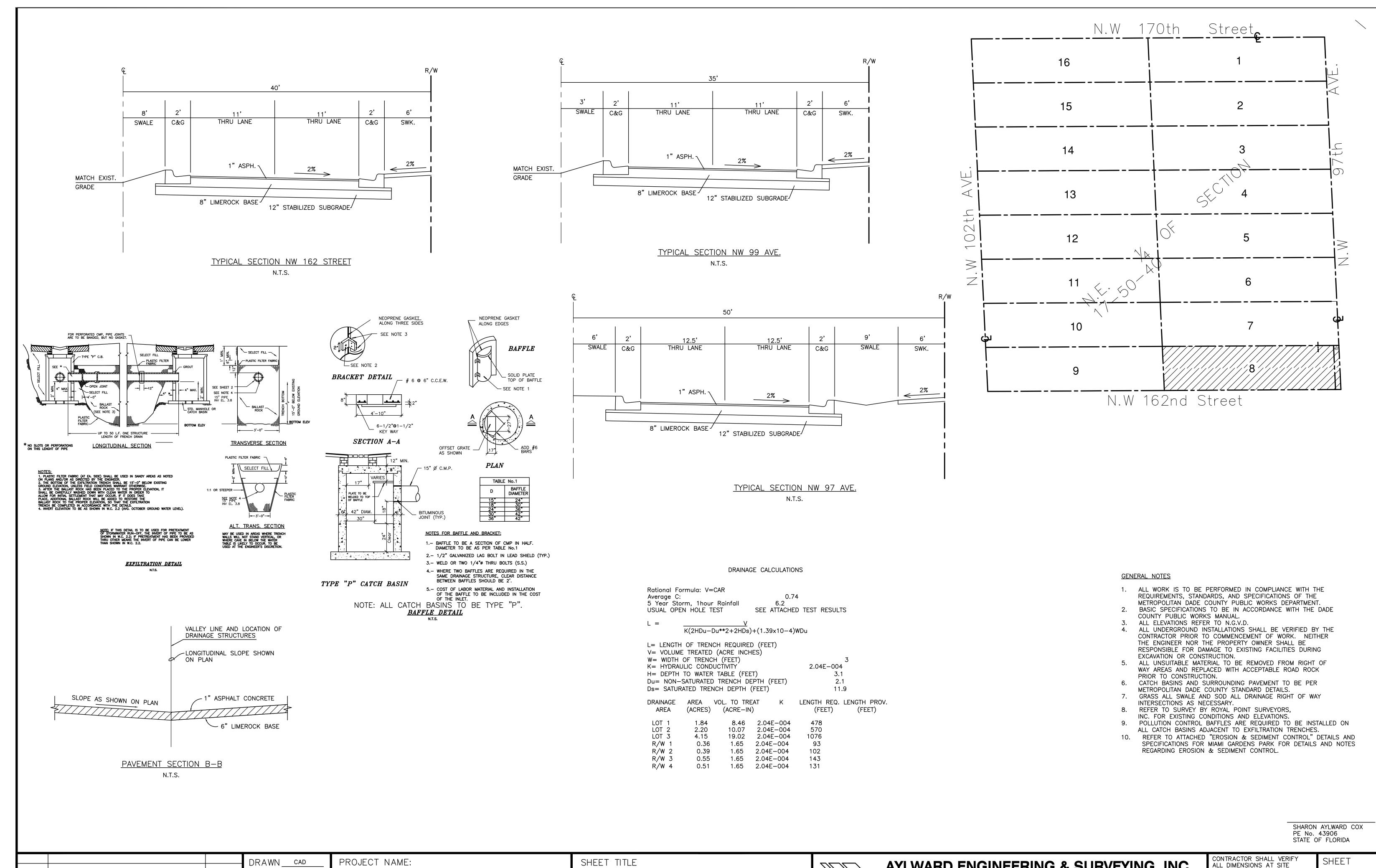
WEST 36th. AVENUE AND NW. 162th. STREET CITY OF HIALEAH, FLORIDA

CONCEPTUAL SITE PLAN

1474-A WEST 84TH. STREET HIALEAH, FLORIDA 33014

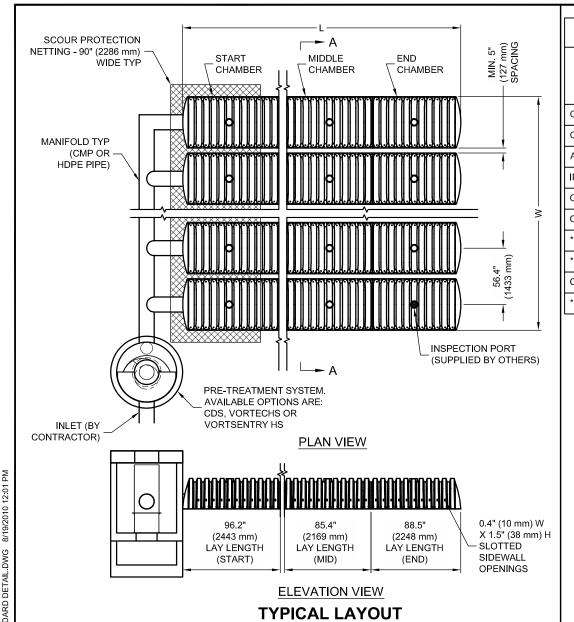
ARCHITECTS AND PLANNERS FLA REG. AR0005304

15089 MONTROSE RD. Miami Lakes, Florida 33016 Phone: (305) 525-8181



AYLWARD ENGINEERING & SURVEYING, INC. BEFORE PROCEEDING W/WORK CONCEPTUAL CIVIL ENGINEERS & LAND SURVEYORS CHECKED EAM DATE: <u>8/26/2015</u> ERUDITION SUBDIVISION PAVING & DRAINAGE 3222 Ridge Trace, Davie, Florida 33328 EB/LB No. 5183 SCALE : <u>1"=50'</u> 954-424-5852 or 305-827-2216 Fax 954-424-5852 or 305-827-2216 APPROVED <u>sac</u> PROJ. NO.: <u>14-118</u> DATE REVISION

NO.



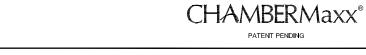
CHAMBERMAXX DESIGN DETAILS				
OT IN MAINTENANCE DE LA MES			* SITE SPECIFIC DATA REQUIREMENTS	
FEATURE	START CHAMBER	MIDDLE CHAMBER	END CHAMBER	FOR DETAILED DESIGN ASSISTANCE REFERENCE CHAMBERMAXX DYODS (DESIGN YOUR OWN DETENTION SYSTEM) SOFTWARE AND CHAMBERMAXX STAGE
OVERALL CHAMBER HEIGHT - IN (mm)	30.3 (770)	30.3 (770)	30.3 (770)	STORAGE CALCULATOR @ WWW.CONTECHSTORMWATER.COM
OVERALL CHAMBER WIDTH - IN (mm)	51.4 (1306)	51.4 (1306)	51.4 (1306)	TOTAL REQUIRED STORAGE VOLUME (CF OR m³)
ACTUAL LENGTH - IN (mm)	98.4 (2500)	91.0 (2311)	92.0 (2337)	DEPTH TO INVERT BELOW ASPHALT (FT OR m)
INSTALLED LAY LENGTHS - IN (mm)	96.2 (2443)	85.4 (2169)	88.5 (2248)	LIMITING WIDTH (FT OR m)
CHAMBER STORAGE VOLUME - CF (m³)	52.5 (1.49)	49.3 (1.39)	48.2 (1.36)	LIMITING LENGTH (FT OR m)
CHAMBER STORAGE PER LINEAR FOOT - CF/LF (m³/m)	6.5 (0.604)	6.9 (0.641)	6.5 (0.604)	POROUS STONE ABOVE CHAMBER (IN OR mm)
*MIN. INSTALLED CHAMBER VOLUME - CF (m³)	78.7 (2.23)	76.7 (2.17)	76.1 (2.15)	POROUS STONE BELOW CHAMBER (IN OR mm)
*MIN. INSTALLED CHAMBER VOLUME PER LINEAR FOOT - CF/LF (m³/m)	9.8 (0.910)	10.8 (1.003)	10.3 (0.957)	STONE POROSITY (0 TO 40%)
CHAMBER WEIGHT - LB (kg)	85 (38.55)	77 (34.92)	76 (34.47)	MANIFOLD SYSTEM DIAMETER (IN OR mm)
*6" (152 mm) OF STONE ABOVE AND BELOW CHAMBER, 5" (127 mm) CHAMBER SPACING AND 40% POROSITY				* PER ENGINEER OF RECORD

GENERAL NOTES

- ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS AND INLETS SHALL BE VERIFIED BY THE ENGINEER OF RECORD.
- 2. PRIOR TO INSTALLATION OF THE CHAMBERMAXX SYSTEM A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED. THOSE REQUIRED TO ATTEND ARE THE SUPPLIER OF THE SYSTEM, THE GENERAL CONTRACTOR, SUB-CONTRACTORS AND THE ENGINEER.
- 3. CHAMBERMAXX CHAMBERS ARE MANUFACTURED FROM POLYPROPYLENE PLASTIC.
- 4. CHAMBERMAXX SYSTEM TO MEET AASHTO HS20/HS25 LIVE LOADING, PER AASHTO LRFD SECTION 12.
- 5. ACCESS COVERS TO MEET AASHTO HS20/HS25 LIVE LOADING.
- 6. MINIMUM COVER IS 18-INCHES (457 mm) AND MAXIMUM COVER IS 96-INCHES (2438 mm) TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR COVER HEIGHTS GREATER THAN 96-INCHES (2438 mm) CONTACT YOUR LOCAL REPRESENTATIVE.
- 7. ALL PARTS PROVIDED BY CONTECH UNLESS OTHERWISE NOTED.
- 8. FOR INFORMATION ON PRE-TREATMENT SYSTEMS, REFERENCE CONTECH PRE-TREATMENT SYSTEM STANDARD DETAILS OR CONTACT YOUR LOCAL REPRESENTATIVE.
- 9. CHAMBERMAXX BY CONTECH CONSTRUCTION PRODUCTS (800) 925-5240

INSTALLATION NOTES

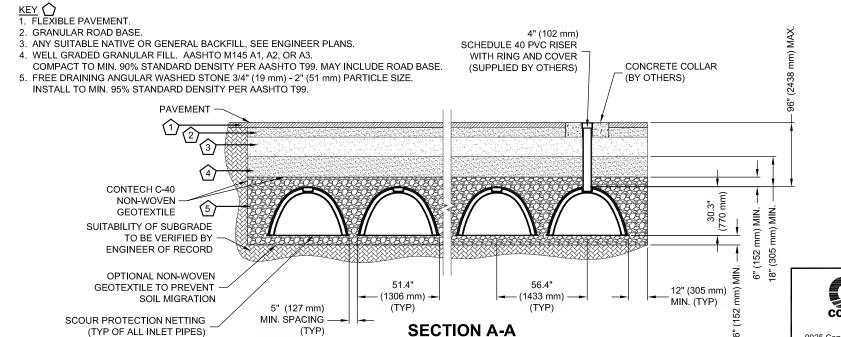
- 1. CHAMBERMAXX INSTALLATION GUIDE TO BE REVIEWED BY CONTRACTOR PRIOR TO INSTALLATION
- 2. PRIOR TO PLACING BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, A TENSAR BX GEOGRID SHALL BE UTILIZED OR UNSUITABLE MATERIAL SHALL BE REMOVED AND BROUGHT BACK TO GRADE WITH FILL MATERIAL AS APPROVED BY THE ENGINEER OF RECORD. ONCE THE FOUNDATION PREPARATION IS COMPLETE, THE BEDDING MATERIAL CAN BE PLACED.
- 3. THE SCOUR PROTECTION NETTING TO EXTEND 1'-0" (305 mm) BEYOND OUTSIDE EDGE OF INLET CHAMBERS.
- 4. COVER ANY OPEN VOID SPACES GREATER THAN $\frac{3}{4}$ " (19 mm) ON CHAMBERS WITH A NON-WOVEN GEOTEXTILE TO PREVENT INFILTRATION OF BACKFILL MATERIAL.
- 5. STONE EMBEDMENT MATERIAL SHALL BE INSTALLED TO 95% STANDARD PROCTOR DENSITY AND PLACED IN 6-INCH (152 mm) TO 8-INCH (203 mm) LIFTS SUCH THAT THERE IS NO MORE THAN A TWO LIFT DIFFERENTIAL BETWEEN ANY OF THE CHAMBERS AT ANY TIME. GRANULAR BACKFILL MATERIAL SHALL BE COMPACTED TO 90% SPD. BACKFILLING SHALL BE ADVANCED ALONG THE LENGTH OF THE CHAMBER ROWS AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING AND DISPLACEMENT OF THE CHAMBERS. THE MINIMUM CHAMBER SPACING MUST BE MAINTAINED.
- 6. REFER TO CHAMBERMAXX INSTALLATION GUIDE FOR TEMPORARY CONSTRUCTION LOADING GUIDELINES.
- 7. IT IS ALWAYS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.
- 8. GENERAL INSTALLATION METHODS AND MATERIALS TO BE IN ACCORDANCE WITH ASTM D2321





800-338-1122 513-645-7000 513-645-7993 FAX

CHAMBERMAXX STORMWATER RETENTION STANDARD DETAIL PRE-TREATMENT STRUCTURE OPTION



(HS20/HS25 LIVE LOAD) PER AASHTO 12