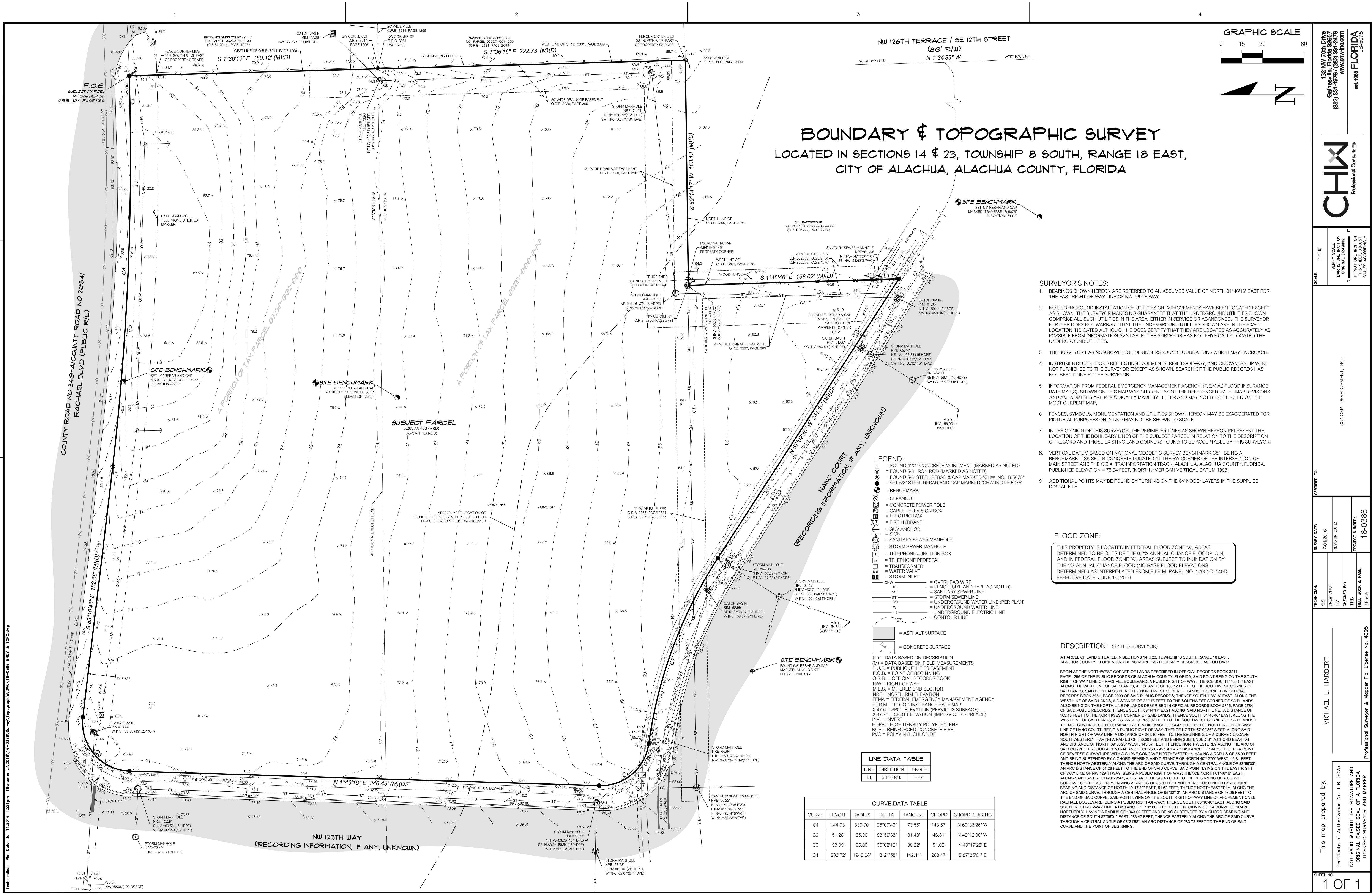


SUBMITTED TO:
SUWANNEE RIVER WATER MANAGEMENT DISTRICT
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CITY OF ALACHUA

FL PE No. 70780

SHEET NO.: 00.00



BOUNDARY & TOPOGRAPHIC SURVEY

LOCATED IN SECTIONS 14 & 23, TOWNSHIP 8 SOUTH, RANGE 18 EAST,
CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA

- SURVEYOR'S NOTES:**
- BEARINGS SHOWN HEREON ARE REFERRED TO AN ASSUMED VALUE OF NORTH 01°46'16" EAST FOR THE EAST RIGHT-OF-WAY LINE OF NW 129TH WAY.
 - NO UNDERGROUND INSTALLATION OF UTILITIES OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
 - THE SURVEYOR HAS NO KNOWLEDGE OF UNDERGROUND FOUNDATIONS WHICH MAY ENCRANCH.
 - INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS-OF-WAY, AND OR OWNERSHIP WERE NOT FURNISHED TO THE SURVEYOR EXCEPT AS SHOWN, SEARCH OF THE PUBLIC RECORDS HAS NOT BEEN DONE BY THE SURVEYOR.
 - INFORMATION FROM FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP(S), SHOWN ON THIS MAP WERE CURRENT AS OF THE REFERENCED DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.
 - FENCES, SYMBOLS, MONUMENTATION AND UTILITIES SHOWN HEREON MAY BE EXAGGERATED FOR PICTORIAL PURPOSES ONLY AND MAY NOT BE SHOWN TO SCALE.
 - IN THE OPINION OF THIS SURVEYOR, THE PERIMETER LINES AS SHOWN HEREON REPRESENT THE LOCATION OF THE BOUNDARY LINES OF THE SUBJECT PARCEL IN RELATION TO THE DESCRIPTION OF RECORD AND THOSE EXISTING LAND CORNERS FOUND TO BE ACCEPTABLE BY THIS SURVEYOR.
 - VERTICAL DATUM BASED ON NATIONAL GEODETIC SURVEY BENCHMARK C51, BEING A BENCHMARK DISK SET IN CONCRETE LOCATED AT THE SW CORNER OF THE INTERSECTION OF MAIN STREET AND THE C.S.X. TRANSPORTATION TRACK, ALACHUA, ALACHUA COUNTY, FLORIDA. PUBLISHED ELEVATION = 75.04 FEET (NORTH AMERICAN VERTICAL DATUM 1988).
 - ADDITIONAL POINTS MAY BE FOUND BY TURNING ON THE SV-NODE; LAYERS IN THE SUPPLIED DIGITAL FILE.

FLOOD ZONE:

THIS PROPERTY IS LOCATED IN FEDERAL FLOOD ZONE "X", AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AND IN FEDERAL FLOOD ZONE "A", AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD (NO BASE FLOOD ELEVATIONS DETERMINED) AS INTERPOLATED FROM F.I.R.M. PANEL NO. 12001C01400, EFFECTIVE DATE: JUNE 16, 2006.

DESCRIPTION: (BY THIS SURVEYOR)

A PARCEL OF LAND SITUATED IN SECTIONS 14 & 23, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE NORTHWEST CORNER OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 3214, PAGE 1296 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, SAID POINT BEING ON THE SOUTH RIGHT OF WAY LINE OF RACHAEL BOULEVARD, A PUBLIC RIGHT OF WAY, THENCE SOUTH 1°38'16" EAST ALONG THE WEST LINE OF SAID LANDS, A DISTANCE OF 180.12 FEET TO THE SOUTHWEST CORNER OF SAID LANDS, SAID POINT ALSO BEING THE NORTHWEST CORNER OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 3881, PAGE 2098 OF SAID PUBLIC RECORDS; THENCE SOUTH 1°38'16" EAST, ALONG THE WEST LINE OF SAID LANDS, A DISTANCE OF 222.73 FEET TO THE SOUTHWEST CORNER OF SAID LANDS, ALSO BEING ON THE NORTH LINE OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 2355, PAGE 2784 OF SAID PUBLIC RECORDS; THENCE SOUTH 89°14'17" EAST ALONG SAID NORTH LINE, A DISTANCE OF 163.13 FEET TO THE NORTHWEST CORNER OF SAID LANDS; THENCE SOUTH 01°45'48" EAST, ALONG THE WEST LINE OF SAID LANDS, A DISTANCE OF 138.02 FEET TO THE SOUTHWEST CORNER OF SAID LANDS; THENCE CONTINUE SOUTH 01°45'48" EAST, A DISTANCE OF 14.47 FEET TO THE NORTH RIGHT-OF-WAY LINE OF NANO COURT, BEING A PUBLIC RIGHT-OF-WAY, THENCE NORTH 57°02'38" WEST, ALONG SAID NORTH RIGHT-OF-WAY LINE, A DISTANCE OF 241.10 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHWESTERLY, HAVING A RADIUS OF 330.00 FEET AND BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF NORTH 69°36'26" WEST, 143.57 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 20°04'42", AN ARC DISTANCE OF 144.73 FEET TO A POINT OF REVERSE CURVATURE WITH A CURVE CONCAVE NORTHEASTERLY, HAVING A RADIUS OF 35.00 FEET AND BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF NORTH 40°12'00" WEST, 46.81 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 83°56'33", AN ARC DISTANCE OF 51.28 FEET TO THE END OF SAID CURVE, SAID POINT LYING ON THE EAST RIGHT OF WAY LINE OF NW 129TH WAY, BEING A PUBLIC RIGHT OF WAY, THENCE NORTH 01°46'16" EAST, ALONG SAID EAST RIGHT-OF-WAY, A DISTANCE OF 340.43 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHEASTERLY, HAVING A RADIUS OF 35.00 FEET AND BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF NORTH 49°17'22" EAST, 51.62 FEET; THENCE NORTHEASTERLY, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 95°02'12", AN ARC DISTANCE OF 58.05 FEET TO THE END OF SAID CURVE, SAID POINT LYING ON THE SOUTH RIGHT-OF-WAY LINE OF AFOREMENTIONED RACHAEL BOULEVARD, BEING A PUBLIC RIGHT-OF-WAY, THENCE SOUTH 53°19'46" EAST, ALONG SAID SOUTH RIGHT-OF-WAY LINE, A DISTANCE OF 182.88 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHERLY, HAVING A RADIUS OF 1943.08 FEET AND BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF SOUTH 87°35'01" EAST, 283.47 FEET; THENCE EASTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 08°21'58", AN ARC DISTANCE OF 283.72 FEET TO THE END OF SAID CURVE AND THE POINT OF BEGINNING.

- LEGEND:**
- FOUND 4"x4" CONCRETE MONUMENT (MARKED AS NOTED)
 - FOUND 5/8" IRON ROD (MARKED AS NOTED)
 - FOUND 5/8" STEEL REBAR & CAP MARKED "CHW INC LB 5075"
 - SET 5/8" STEEL REBAR & CAP MARKED "CHW INC LB 5075"
 - BENCHMARK
 - CLEANOUT
 - CONCRETE POWER POLE
 - CABLE TELEVISION BOX
 - ELECTRIC BOX
 - FIRE HYDRANT
 - GUY ANCHOR
 - SIGN
 - SANITARY SEWER MANHOLE
 - STORM SEWER MANHOLE
 - TELEPHONE JUNCTION BOX
 - TELEPHONE PEDESTAL
 - TRANSFORMER
 - WATER VALVE
 - UNDERGROUND WATER LINE (PER PLAN)
 - UNDERGROUND ELECTRIC LINE
 - CONTOUR LINE
 - OVERHEAD WIRE
 - FENCE (SIZE AND TYPE AS NOTED)
 - SANITARY SEWER LINE
 - STORM SEWER LINE
 - UNDERGROUND WATER LINE (PER PLAN)
 - UNDERGROUND ELECTRIC LINE
 - CONTOUR LINE
 - ASPHALT SURFACE
 - CONCRETE SURFACE
 - DATA BASED ON DESCRIPTION
 - DATA BASED ON FIELD MEASUREMENTS
 - P.U.E. = PUBLIC UTILITIES EASEMENT
 - P.O.B. = POINT OF BEGINNING
 - O.R.B. = OFFICIAL RECORDS BOOK
 - R/W = RIGHT OF WAY
 - M.E.S. = MITTERED END SECTION
 - X 47.75 = SPOT ELEVATION (IMPERVIOUS SURFACE)
 - INV. = INVERT
 - HOPE = HIGH DENSITY POLYETHYLENE
 - RCP = REINFORCED CONCRETE PIPE
 - PVC = POLYVINYL CHLORIDE

LINE DATA TABLE		
LINE	DIRECTION	LENGTH
L1	S 1°45'48" E	144.47

CURVE DATA TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD BEARING
C1	144.73	330.00	25°07'42"	73.55	143.57° N 69°36'26" W
C2	51.28	35.00	83°56'33"	31.48	46.81° N 40°12'00" W
C3	58.05	35.00	95°02'12"	38.22	51.62° N 49°17'22" E
C4	283.72	1943.08	8°21'58"	142.11	283.47° S 87°35'01" E

GENERAL NOTES

1. THE TOPOGRAPHIC AND EXISTING INFORMATION SHOWN HEREON WERE TAKEN FROM A TOPOGRAPHIC SURVEY PREPARED BY CHW, AND DATED JULY 1, 2016.
2. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAS BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING ANY UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. THE RESPECTIVE UTILITY COMPANIES SHALL RELOCATE ALL UTILITIES THAT INTERFERE WITH THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES DURING THE RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
3. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE APPROPRIATE UTILITY COMPANIES IN ORDER TO ALLOW MARKING OF THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES IN ADVANCE OF CONSTRUCTION BY CALLING THE FLORIDA SUNSHINE STATE ONE-CALL CENTER, INC. AT 1-800-432-4770 OR 811. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY "SUNSHINE" 48 HOURS PRIOR TO ANY CLEARING OF CONSTRUCTION TO IDENTIFY ALL UTILITY LOCATIONS. NO CONSTRUCTION ACTIVITY MAY OCCUR UNTIL THE UTILITIES HAVE BEEN PROPERLY MARKED.
4. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL LOCATION AND VERTICAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF THE PROJECT ENVELOPE SHOWN PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL CALL ALL UTILITY COMPANIES TO HAVE THE LOCATIONS OF ALL UTILITIES FIELD MARKED PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONTINUING CONSTRUCTION.
5. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR.
6. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS BEFORE COMMENCING CONSTRUCTION WORK, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. ADDITIONAL COSTS ARE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
7. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK INCLUDING LANDSCAPING.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY AND/OR MUNICIPALITY INSTRUCTIONS.
9. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND SHALL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. TRENCHES SHALL BE KEPT DRY WHILE PIPES ARE BEING PLACED. DEWATERING SHALL BE USED AS REQUIRED, AND PERMITTED THROUGH LOCAL GOVERNMENTAL AGENCIES AND WATER MANAGEMENT DISTRICT PER CURRENT REGULATIONS AT THE SOLE COST OF THE CONTRACTOR.
11. CONTRACTOR TO REVIEW GEOTECHNICAL REPORT AND BORINGS PRIOR TO BIDDING THE PROJECT AND FOLLOW OUTLINED CONSTRUCTION TECHNIQUES.
12. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING APPLICABLE TESTING WITH THE SERVICES OF AN APPROVED TESTING LABORATORY AND/OR SOILS ENGINEER, APPLICABLE REGULATORY AGENCIES, AND AS MAY BE FOUND IN THE ENGINEERING CONSTRUCTION DRAWINGS OR SPECIFICATIONS. CONTRACTOR TO VERIFY ALL TESTING WITH THE OWNER PRIOR TO COMMENCING CONSTRUCTION. UPON COMPLETION OF THE WORK, THE TESTING LABORATORY AND/OR SOILS ENGINEER MUST SUBMIT TO THE OWNER'S ENGINEER CERTIFICATIONS STATING THAT ALL REQUIREMENTS HAVE BEEN MET.
13. INSTALL SILT FENCE PRIOR TO SITE DEMOLITION OR NEW SITE CONSTRUCTION. INSTALL SILT FENCE PER FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL AND PROVIDE TOE-IN. THE CONTRACTOR SHALL MAINTAIN THE SILT FENCE IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE. THE PROJECT SILT FENCE SHALL BE INSPECTED DAILY AND ANY CORRECTIVE MEASURES SHALL BE COMPLETED WITHIN 24 HOURS.
14. ALL TREE BARRICADES AND SILT FENCING SHALL BE INSTALLED AND INSPECTED BY ALACHUA COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR CONSTRUCTION ACTIVITIES.
15. THE CONTRACTOR IS TO PREPARE THE SITE PRIOR TO BEGINNING ACTUAL CONSTRUCTION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
16. ALL DELETERIOUS MATERIAL (I.E. MUCK, PEAT, BURIED DEBRIS) IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER'S ENGINEER OR OWNER'S SOIL TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED AND REMOVED FROM THE SITE. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE AREAS.
17. CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION. DISTURBED AREAS SHALL BE SODDED, SEEDDED, MULCHED, OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL, AS DIRECTED BY THESE PLANS, IMMEDIATELY FOLLOWING CONSTRUCTION PER LOCAL INSPECTOR.
18. WORK BEING PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH OTHER WORK BEING PERFORMED ON THE SITE BY OTHER CONTRACTORS AND/OR UTILITY COMPANIES. IT WILL BE NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE HIS ACTIVITIES, WHERE NECESSARY, WITH OTHER CONTRACTORS AND UTILITY COMPANIES.
19. ALL PAVEMENT DIMENSIONS SHOWN ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
20. THE GOVERNING STANDARDS AND SPECIFICATIONS, UNLESS STATED OTHERWISE SHALL BE PER FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS DATED FY 2016-2017, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2016, AS AMENDED BY CONTRACT DOCUMENTS. ALL MATERIALS AND METHODS SHALL MEET FDOT SPECIFICATIONS AND SHALL BE PRODUCED OR OBTAINED FROM AN FDOT APPROVED SOURCE.
21. ALL NEW TRAFFIC CONTROL DEVICES (SIGNS AND PAVEMENT MARKINGS) SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT STANDARDS.
22. ALL STRIPING WITHIN THE FDOT RIGHT OF WAY SHALL BE PLACED FIRST AS TEMPORARY STRIPING FOLLOWED BY APPLICATION OF THERMOPLASTIC STRIPING 30 DAYS LATER.
23. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PROPER BENCHMARKS ON-SITE. EXISTING BENCH MARKS SCHEDULED FOR REMOVAL SHALL BE RELOCATED AT CONTRACTORS EXPENSE AND RE-ESTABLISHED BY A LICENSED SURVEYOR.
24. ALL HANDICAP RAMPS SHALL COMPLY WITH THE FLORIDA ACCESSIBILITY CODE AND AMERICANS WITH DISABILITIES ACT.
25. A PRE-CONSTRUCTION CONFERENCE SHALL BE REQUIRED. THE CONTRACTOR, ENGINEER OF RECORD, AND THE OWNER SHALL MEET WITH THE ALACHUA COUNTY PUBLIC WORKS DEPARTMENT PRIOR TO INITIATION OF WORK WITHIN RACHEAL BLVD RIGHT OF WAY.
26. A PRE-CONSTRUCTION CONFERENCE SHALL BE REQUIRED. THE CONTRACTOR, ENGINEER OF RECORD, AND THE OWNER SHALL MEET WITH THE CITY OF ALACHUA PRIOR TO INITIATION OF THE SITE CONSTRUCTION.
27. ANY CHANGE ORDER REQUESTS, SITE REVISIONS, AND PAY REQUESTS MUST BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD.
28. CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING AS NEEDED THROUGHOUT ALL CONSTRUCTION ACTIVITIES COVERED BY THESE PLANS. DEWATERING SHALL BE DONE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS, 2016 EDITION, SECTION 455-28.
29. THE CONTRACTOR IS RESPONSIBLE FOR THE PERFORMANCE AND COST OF ALL CLEARING AND GRUBBING AND ALL WORK OF REMOVAL, DISPOSAL, AND REPAIR OR REPLACEMENT OF EXISTING IMPROVEMENTS WHERE SHOWN IN THE PLANS, OR ORDERED BY THE ENGINEER TO BE REMOVED, OR WHERE REQUIRED BECAUSE OF THE CONSTRUCTION OPERATIONS, IN ORDER TO CONSTRUCT THE PROPOSED IMPROVEMENTS (THIS INCLUDES BUT IS NOT LIMITED TO PROPOSED PIPING, STRUCTURES, UTILITIES, PAVING, CURBING, ETC.).
30. AN AS-BUILT SURVEY MAY BE REQUIRED BY REGULATORY AGENCIES. CONTRACTOR TO COORDINATE WITH PROJECT OWNER FOR COMPLETION OF AS-BUILT SURVEYS PRIOR TO PROJECT / PERMIT CLOSE-OUT.

DEMOLITION GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLITION MATERIALS IN A SAFE AND LAWFUL MANNER. THE CONTRACTOR SHALL SALVAGE TO THE OWNER ANY ITEM AS DETERMINED BY THE OWNER. ONCE DEMOLISHED, MATERIAL SHALL BE DISPOSED OF PROPERLY AND IMMEDIATELY.
2. REMOVE ALL IMPROVEMENTS DEFINED ON THE DEMOLITION PLAN. SALVAGE ITEMS TO OWNER AS DEFINED BY THE OWNER'S REPRESENTATIVE AND CONSTRUCTION DOCUMENT SPECIFICATIONS.
3. EXISTING PAVEMENT AND SIDEWALK EDGES THAT BORDER NEW CONSTRUCTION OR DEMOLITION ARE TO BE SAW-CUT TO PROVIDE A SMOOTH TRANSITION.
4. ALL EXISTING TREES ARE TO REMAIN UNLESS OTHERWISE NOTED.
5. ROOTS LARGER THAN 1 INCH IN DIAMETER ON TREES TO BE PRESERVED THAT ARE ENCOUNTERED DURING CONSTRUCTION MUST BE CUT CLEANLY AND COVERED OVER WITH SOIL BY THE END OF THE WORKING DAY.
6. ALL ASPHALT AND LIMEROCK WILL BE COMPLETELY REMOVED FROM AREAS THAT WILL BE LANDSCAPED. IN PARTICULAR, AREAS WHERE ASPHALT WILL BE REMOVED MUST HAVE THE TOP HARD SURFACE, LIMEROCK, AND COMPACTED SOIL REMOVED. REPLACEMENT SOIL SHALL BE CLEAN DEEP FILL OF PH 5.5 - 6.5. THE DEPTH OF UNCOMPACTED SOIL PRIOR TO PLANTING MUST BE AT LEAST 3 FEET TO ACCOMMODATE FUTURE TREE ROOT GROWTH. NO LIMEROCK, LARGE STONES, OR OTHER CONSTRUCTION DEBRIS CAN REMAIN IN AREAS TO BE LANDSCAPED.

PAVING, GRADING, AND DRAINAGE GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL PRACTICES DURING CONSTRUCTION TO MINIMIZE ON-SITE EROSION/SEDIMENTATION AND TO PROTECT AGAINST DAMAGE TO OFF SITE PROPERTY. THE FOLLOWING PRACTICES SHALL BE EMPLOYED:
- A. EROSION AND SEDIMENTATION CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. AREAS OF OFF-SITE DISCHARGE DURING CONSTRUCTION SHALL BE PROTECTED WITH A SEDIMENT BARRIER PER FDOT INDEX NUMBER 102 TO PREVENT OFF-SITE DISCHARGE OF SEDIMENTS. A SILT BARRIER SHALL SPECIFICALLY BE REQUIRED, CONSTRUCTED, AND MAINTAINED AS INDICATED ON THIS SHEET. TEMPORARY SEED AND MULCH SHOULD BE USED TO CONTROL ON-SITE EROSION WHEN IT IS NOT PRACTICAL TO ESTABLISH PERMANENT VEGETATION. SOD SHALL BE PLACED AS EARLY AS POSSIBLE ON ALL SLOPES STEEPER THAN 5 (FT) HORIZONTAL TO 1 (FT) VERTICAL. SOD SHALL BE PINNED AS REQUIRED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE. THE CONTRACTOR SHALL INSPECT AND REPAIR AS NECESSARY THE EROSION/SEDIMENTATION PROTECTION AT THE END OF EACH WORKING DAY.
- NOTE: EROSION/SEDIMENTATION CONTROL SHALL BE PLACED PRIOR TO SITE EXCAVATION AND SHALL REMAIN IN PLACE UNTIL SITE VEGETATION AND LANDSCAPING IS COMPLETE.
- B. ALL INLET STRUCTURES AND PIPE SHALL BE PROTECTED FROM SILTATION BY CONSTRUCTING INLET PROTECTION AS DEFINED BY THESE PLANS OR IN THE FDOT STANDARDS. IF SILTATION OCCURS, THE CONTRACTOR IS RESPONSIBLE TO REMOVE SILTATION AS PART OF THE BASE CONTRACT AT NO ADDITIONAL COST TO THE OWNER.
- C. EXCAVATED STORMWATER FACILITIES SHALL BE CONSTRUCTED AS PART OF THE INITIAL CONSTRUCTION. THE FACILITIES SHALL BE ROUGH GRADED TO THE DESIGN ELEVATIONS. AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED, THE FACILITIES BOTTOM SHALL BE OVER-EXCAVATED BY SIX INCHES, SCARIFIED, BACKFILLED WITH ARCHER FILL (HAVING NO MORE THAN 5% PASSING NO. 200 SIEVE), AND GRADED TO FINAL DESIGN GRADES. EXCESS AND UNSUITABLE SOILS SHALL BE REMOVED FROM THE BASIN (REMOVE ALL ACCUMULATED SILTS, CLAYS, ORGANIC, AND DEBRIS). FINALLY, SCARIFY AND RAKE BOTTOM AND VEGETATE.
- D. PERMANENT VEGETATIVE STABILIZATION SHALL BE APPLIED ON FINE GRADED SITES AS SOON AS PRACTICAL. TEMPORARY SEEDING SHOULD BE EMPLOYED TO PREVENT EXPOSURE OF BARREN SOILS UNTIL PERMANENT VEGETATION CAN BE APPLIED.
- E. ALL SLOPES 1:3 OR STEEPER REQUIRE LAPPED OR PEGGED SOD.
- F. EROSION, SEDIMENT AND TURBIDITY CONTROL ARE THE RESPONSIBILITY OF THE CONTRACTOR. THESE DELINEATED MEASURES ARE THE MINIMUM REQUIRED, WITH ADDITIONAL CONTROLS TO BE UTILIZED AS NEEDED, DEPENDENT UPON ACTUAL SITE CONDITIONS AND CONSTRUCTION OPERATION.
- G. ALL SYNTHETIC BALES, SILT FENCE, AND OTHER EROSION CONTROL MEASURES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.

2. THE CONTRACTOR SHALL MAINTAIN IN HIS POSSESSION A COPY OF THE WATER MANAGEMENT DISTRICT CONSTRUCTION PERMIT. HE SHALL BE RESPONSIBLE FOR ADHERENCE TO ALL CONDITIONS CONTAINED IN THE PERMIT.
3. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
4. CONTRACTOR SHALL SUBMIT FOR REVIEW TO THE OWNER AND OWNER'S ENGINEER SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO BE USED ON THIS SITE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. ENGINEER'S APPROVAL OF A SHOP DRAWING DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR THE PERFORMANCE OF THE ITEM.
5. THE COST OF ALL TESTING OF COMPACTION AND OTHER REQUIRED TESTS SHALL BE PAID BY THE CONTRACTOR AND MADE AVAILABLE TO THE ENGINEER OF RECORD DURING SITE INSPECTIONS.
6. GENERAL CONTRACTOR TO CONTACT ENGINEER OF RECORD AND THE OWNER REPRESENTATIVE 48 HOURS IN ADVANCE PRIOR TO BACKFILLING TRENCHES FOR FIELD INSPECTION AND PRIOR TO LAYING ASPHALT FOR FIELD INSPECTION.
7. CONTRACTOR IS TO SUBMIT FDOT APPROVED ASPHALT DESIGN MIXES TO THE OWNER'S REPRESENTATIVE AND ENGINEER OF RECORD BEFORE ANY WORK IS TO COMMENCE ON PROJECT. THE MIXTURE AT THE PLANT OR ON THE ROAD SHALL NOT EXCEED 335 DEGREES. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND PROVIDE TEMPERATURE READINGS PRIOR TO LAYING ASPHALT.
8. AS DETERMINED NECESSARY AND DIRECTED BY CITY OF ALACHUA PUBLIC SERVICES DEPARTMENT OR ENGINEER OF RECORD, THE CONTRACTOR SHALL UNDERCUT ALL UNSUITABLE MATERIAL 24 INCHES BELOW THE BOTTOM OF ANY PROPOSED LIMEROCK BASE, AND SHALL BACKFILL WITH FILL MATERIAL MEETING FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. SEE FDOT INDEX NO. 500 AND 505.
9. PROVIDE LEVEL PLATFORM IN FRONT OF ALL EGRESS DOORS. THE FLOOR SURFACE ON BOTH SIDES OF A DOOR SHALL BE AT THE SAME ELEVATION. THE FLOOR SURFACE OR LANDING ON EACH SIDE OF THE DOOR SHALL EXTEND FROM THE DOOR IN THE CLOSED POSITION A DISTANCE EQUAL TO THE DOOR WIDTH AND SHALL COMPLY WITH SECTION 4.13.6 MANEUVERING CLEARANCES AT DOORS OF THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.

10. RAMPS SHALL HAVE LEVEL LANDINGS AT THE BOTTOM AND TOP OF EACH RAMP RUN. CURB RAMPS ARE NOT REQUIRED TO HAVE LANDINGS. LANDINGS SHALL HAVE THE FOLLOWING FEATURES:
- A. THE LANDING SHALL BE AT LEAST AS WIDE AS THE RAMP RUN LEADING TO IT.
- B. ALL LANDINGS ON RAMPS SHALL BE NOT LESS THAN 60" CLEAR, AND THE BOTTOM OF EACH RAMP SHALL HAVE NOT LESS THAN 72" OF STRAIGHT AND LEVEL CLEARANCE.
- C. IF RAMPS CHANGE DIRECTION AT LANDINGS, THE MINIMUM LANDING SIZE SHALL BE 60"x60". IF A RAMP RUN HAS A RISE GREATER THAN 6" OR A HORIZONTAL PROJECTION GREATER THAN 72" THEN IT SHALL HAVE HANDRAILS ON BOTH SIDES. HANDRAILS ARE NOT REQUIRED ON CURB RAMPS. HANDRAILS SHALL BE SHOWN ON THE SITE PLAN.
11. THE CONTRACTOR SHALL STOCKPILE TOPSOIL AND CONSTRUCTION MATERIALS IN AREAS DESIGNATED BY THE OWNER.
12. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING RECORD DRAWINGS AS NOTED IN NOTE #14 UNDER SITE GENERAL NOTES.
13. ALL CONCRETE USED SHALL BE 2,500 PSI MINIMUM.
14. ALL WELLS, CLEANOUTS, MANHOLE TOPS, PULL BOX COVERS AND OTHER UTILITY APPURTENANCES IN THE AREA OF REDEVELOPMENT SHALL BE PROTECTED AND TOPS ADJUSTED TO MATCH PROPOSED GRADES.
15. CONTRACTOR SHALL SAW CUT, TACK, AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS ANY EXISTING PAVEMENT.
16. SOD SHALL BE PLACED AROUND ALL STRUCTURES AS DIRECTED BY THE FDOT INDEX NO. 281. ALL OTHER DISTURBED AREAS SHALL BE SEEDDED AND MULCHED.
17. ALL STORM SEWER CURB AND DITCH BOTTOM INLETS SHALL CONFORM TO THE APPLICABLE FDOT INDEX. ALL DRAINAGE STRUCTURES WITH GRATES THAT ARE LOCATED IN GRASSED AREAS SHALL HAVE THE GRATE CHAINED TO THE STRUCTURE USING AN EYE BOLT AND CHAIN.
18. ALL CONCRETE STRUCTURES SHALL HAVE ALL EXPOSED EDGES CHAMFERED 3/4" AND CLASS I SURFACE FINISH.
19. ALL HDPE FITTINGS AND CONNECTORS SHALL BE SOIL TIGHT. SEE SPECIFICATIONS FOR MORE INFORMATION.

WATER AND WASTEWATER GENERAL NOTES

1. MATERIALS AND CONSTRUCTION METHODS FOR WATER AND WASTEWATER SYSTEMS SHALL BE IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY CODES, PLANS, AND SPECIFICATIONS FOR CONSTRUCTION, LATEST REVISION THEREOF AND SUPPLEMENTAL SPECIFICATIONS THERETO. APPROVAL AND CONSTRUCTION OF ALL UTILITY EXTENSIONS AND CONNECTIONS MUST BE COORDINATED THROUGH THE REGULATORY AGENCY DEPARTMENT FOR PUBLIC UTILITIES.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES TO DISCONNECT OR REMOVE THEIR FACILITIES PRIOR TO REMOVING OR DEMOLISHING ANY EXISTING STRUCTURES FROM THE SITE.
3. THE CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY UTILITY FIELD LOCATION AND RELOCATION AS REQUIRED.
4. THE COST OF ALL TESTING OF COMPACTION AND OTHER REQUIRED TESTS SHALL BE PAID BY THE CONTRACTOR AND MADE AVAILABLE TO THE ENGINEER OF RECORD DURING SITE INSPECTIONS.
5. THE CONTRACTOR SHALL PERFORM AN INFILTRATION/EXFILTRATION TEST ON GRAVITY SEWERS IN ACCORDANCE WITH THE REGULATORY JURISDICTION. SAID TESTS ARE TO BE CERTIFIED BY THE ENGINEER AND SUBMITTED TO THE REGULATORY AGENCY FOR APPROVAL, COORDINATION AND NOTIFICATION OF PARTIES US THE CONTRACTOR'S RESPONSIBILITY.
6. ALL FORCE MAINS SHALL BE SUBJECT TO A HYDROSTATIC PRESSURE TEST IN ACCORDANCE WITH THE REGULATORY AGENCY HAVING JURISDICTION. SAID TESTS ARE TO BE CERTIFIED BY THE ENGINEER AND SUBMITTED TO THE REGULATORY AGENCY FOR APPROVAL. COORDINATION AND NOTIFICATION OF PARTIES IS THE CONTRACTOR'S RESPONSIBILITY.
7. CONTRACTOR SHALL SUBMIT FOR REVIEW TO THE OWNER AND OWNER'S ENGINEER SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO BE USED ON THIS SITE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. ENGINEER'S APPROVAL OF A SHOP DRAWING DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR THE PERFORMANCE OF THE ITEM.
8. A HORIZONTAL SEPARATION OF TEN FEET PREFERRED, BUT NO LESS THAN SIX FEET, SHALL BE MAINTAINED BETWEEN POTABLE WATER MAINS AND GRAVITY OR PRESSURE WASTEWATER MAINS, WASTEWATER FORCE MAINS, AND RECLAIMED WATER MAINS NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. A HORIZONTAL SEPARATION OF TEN FEET PREFERRED, BUT NO LESS THAN THREE FEET, SHALL BE MAINTAINED BETWEEN POTABLE WATER MAINS AND VACUUM WASTEWATER MAINS. A HORIZONTAL SEPARATION OF THREE FEET SHALL BE MAINTAINED BETWEEN POTABLE WATER MAINS AND STORM SEWERS, STORMWATER FORCE MAINS, AND RECLAIMED WATER MAINS REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
9. WHEN POTABLE WATER MAINS CROSS OTHER PIPES, THE TWO PIPES SHALL HAVE JOINTS A MINIMUM OF SIX FEET FROM THE CROSSING. WHEN POTABLE WATER MAINS CROSS UNDERNEATH OTHER PIPES, THE MINIMUM VERTICAL SEPARATION IS TWELVE INCHES. WHEN POTABLE WATER MAINS CROSS ABOVE PRESSURE WASTEWATER MAINS, WASTEWATER FORCE MAINS, AND RECLAIMED WATER MAINS, THE MINIMUM VERTICAL SEPARATION IS TWELVE INCHES. WHEN POTABLE WATER MAINS CROSS ABOVE GRAVITY AND VACUUM WASTEWATER MAINS, STORM SEWERS, AND STORMWATER FORCE MAINS, THE PREFERRED VERTICAL SEPARATION IS TWELVE INCHES AND THE THE MINIMUM VERTICAL SEPARATION IS SIX INCHES.
10. ALL WATER MAINS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER.
11. RESTRAINED JOINTS SHALL BE PROVIDED AT ALL FITTINGS AND HYDRANTS IN ACCORDANCE WITH AWWA STANDARDS.
12. ALL PVC WATER SERVICE LINES SHALL BE SCH 40 PVC.
13. THE SITE WORK CONTRACTOR SHALL ENGAGE THE SERVICES OF A LICENSED UNDERGROUND UTILITY AND EXCAVATION CONSTRUCTOR TO INSTALL THE NEW WATER SERVICE LINE.
14. ALL SANITARY SEWER SERVICE LATERALS SHALL BE 4" PVC SDR 35 OR 6" PVC SDR 35 WITH A CLEAN-OUT LOCATED PER THE PLANS. MINIMUM SLOPE FOR 4" LATERALS SHALL BE 1.0% AND A MINIMUM CLEANOUT SPACING OF 75 FEET ON-CENTER AND MINIMUM SLOPE FOR 6" LATERALS SHALL BE 0.6% AND A MINIMUM CLEANOUT SPACING OF 100 FEET ON-CENTER.
15. PUBLIC UTILITY EASEMENTS WILL BE PROVIDED AS REQUIRED FOR ALL UTILITIES SHOWN HEREON BY METES AND BOUND DESCRIPTION AND IN ACCORDANCE WITH THE REGULATORY AGENCY DEPARTMENT FOR PUBLIC UTILITIES.

MAINTENANCE OF TRAFFIC (MOT) NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR CREATING A MAINTENANCE OF TRAFFIC (MOT) PLAN FOR CONSTRUCTION ACTIVITY THAT OCCURS WITHIN THE PUBLIC RIGHT-OF-WAY, INCLUDING BUT NOT LIMITED TO SIDEWALK WORK AND ACTIVITIES THAT REQUIRE A LANE (OR ROAD) CLOSURE, SUCH AS CONNECTION TO SEWER MANHOLES AND WATER MAINS. THE MOT PLAN MUST BE CREATED BY A REGISTERED PROFESSIONAL ENGINEER WHO IS CERTIFIED TO DO SO BY THE FDOT MOT CERTIFICATION TRAINING. THE MOT PLAN MUST ALSO BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS AND FDOT STANDARD SPECIFICATIONS REQUIREMENTS AND MUST BE REVIEWED AND APPROVED BY THE CITY OF ALACHUA.
2. THE CONTRACTOR SHALL SUBMIT THE MOT TO THE APPROPRIATE REGULATORY AUTHORITY PRIOR TO WORK REQUIRING THE MOT FOR APPROVAL. NO WORK IN THE ROW SHALL OCCUR UNTIL THE MOT IS APPROVED.
3. CONTRACTOR SHALL SUBMIT TO THE CITY OF ALACHUA FOR REVIEW AND APPROVAL A TRAFFIC CONTROL PLAN THAT SHALL DETAIL PROCEDURES AND PROTECTIVE MEASURES PROPOSED TO PROVIDE PROTECTION AND CONTROL OF TRAFFIC AFFECTED. THE TRAFFIC PLAN SHALL INCLUDE PROPOSED LOCATIONS AND TIME DURATIONS OF THE FOLLOWING ITEMS AS APPLICABLE:
- A. PEDESTRIAN AND PUBLIC VEHICULAR TRAFFIC ROUTING
- B. LANE AND SIDEWALK CLOSURES, RESTRICTIONS, AND REDUCTIONS ANTICIPATED DUE TO CONSTRUCTION OPERATIONS. DESCRIBE PROPOSED DATES, HOURS, AND DURATION OF CLOSURE(S) AND SHOW PEDESTRIAN/VEHICULAR ROUTING AND MANAGEMENT. INDICATE TRAFFIC CONTROL DEVICES TO CONTROL MOVEMENT AROUND THE CLOSURE TO INCLUDE BARRICADE DETAILS.
- C. ACCESS TO BUILDING IMMEDIATELY ADJACENT TO WORKSITE.
- D. DRIVEWAYS BLOCKED BY CONSTRUCTION OPERATIONS.
4. CONTRACTOR SHALL NOTIFY IN WRITING BOTH THE CITY OF ALACHUA PUBLIC SERVICES AND THE ALACHUA COUNTY POLICE DEPARTMENT NO LESS THAN 7 DAYS PRIOR TO SUCH CLOSURES OR WHENEVER ROADS ARE IMPASSABLE.
5. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY OF ALACHUA PUBLIC SERVICES OF ANY VEHICULAR OR PEDESTRIAN SAFETY OR EFFICIENCY PROBLEMS INCURRED AS A RESULT OF THE WORK.

1
2
3
4
A
B
C
D
Tech: ThomasC Plot Date: Feb 03,2017 1:42pm Filename: L:\2016\16-0386\Engineering\DWG\Production\Draw\16-0386 R1.dwg

132 NW 76th Drive
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SCALE: N/A
KEY: SCALE ON
BASED ON
ORIGINAL DRAWING
0 1" = 40' (SEE NOTE)
THIS SHEET, ADJUST
SCALES ACCORDINGLY.

CONSTRUCTION/BDI REVISIONS

REVISIONS
10/31/16 - CITY OF ALACHUA
11/23/16 - CITY OF ALACHUA
01/04/17 - CITY OF ALACHUA
01/31/17 - CITY OF ALACHUA
02/05/17 - CITY OF ALACHUA

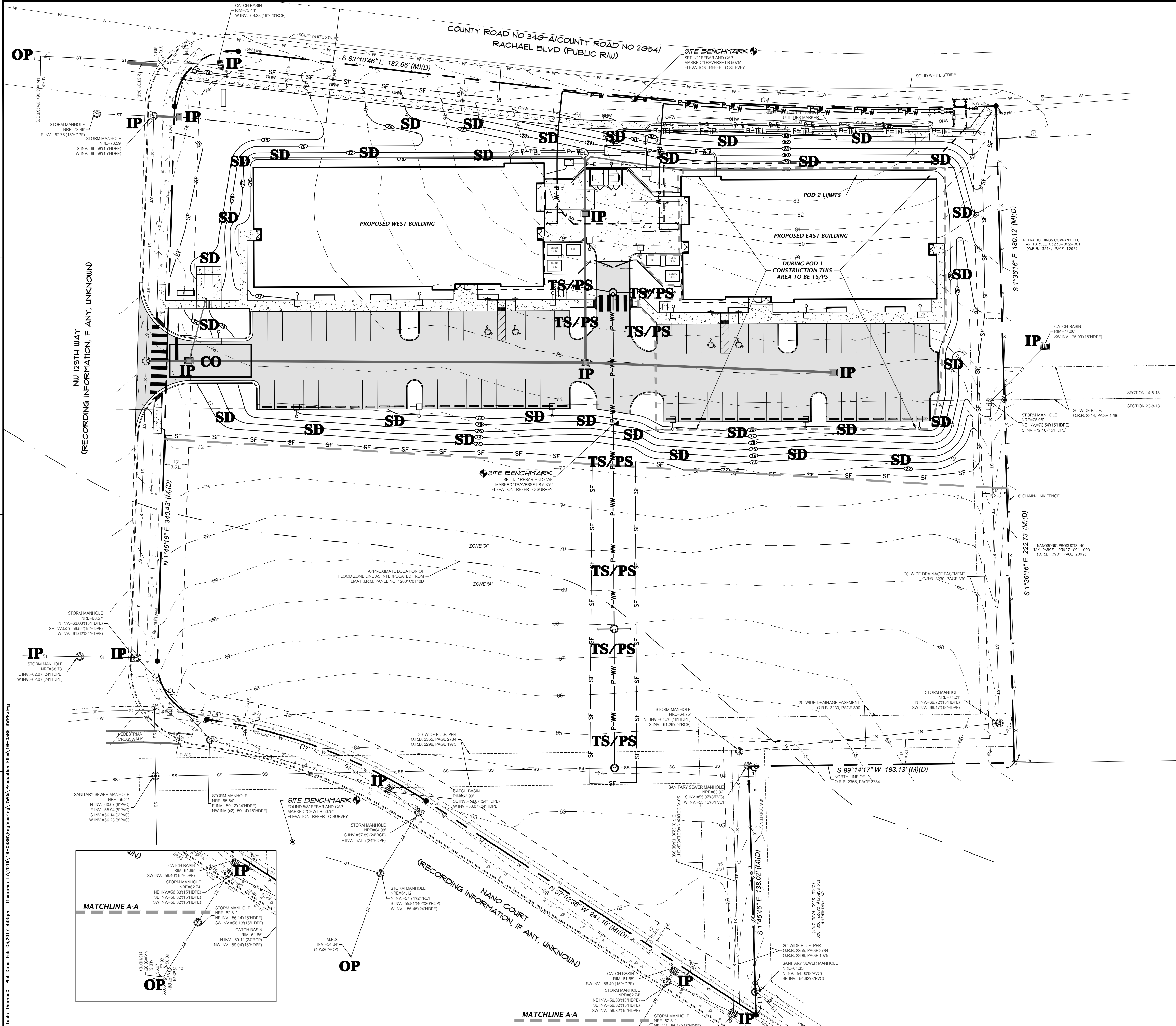
CLIENT: CONCEPT DEVELOPMENT, INC.
PROJECT: COPELAND PARK PHASE I
SHEET TITLE: GENERAL NOTES

DESIGNER: J.F. COWART
CHECKER: R.S. OLNEY, P.E.
QUALITY CONTROL: D.H. YOUNG, P.E.
PROJECT NUMBER: 16-0386

DANIEL H. YOUNG



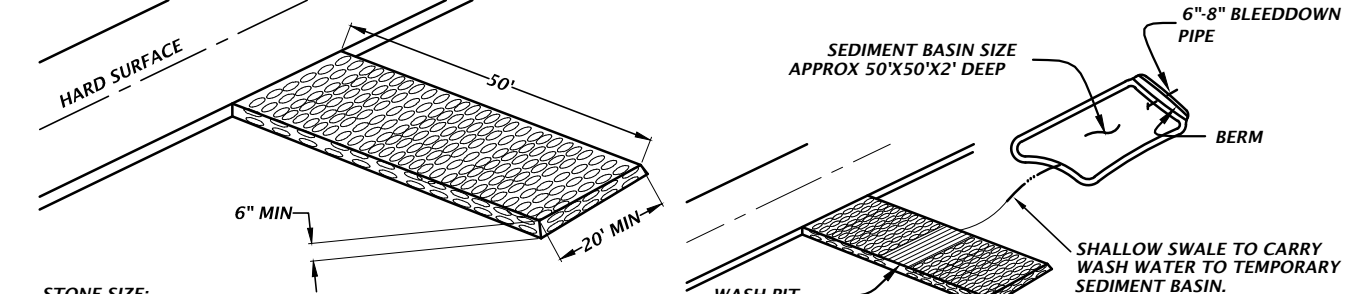
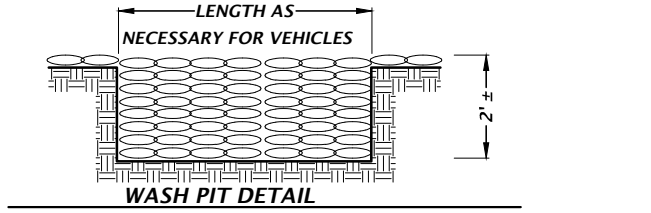
FL PE No. 70780
SHEET NO: C0.10



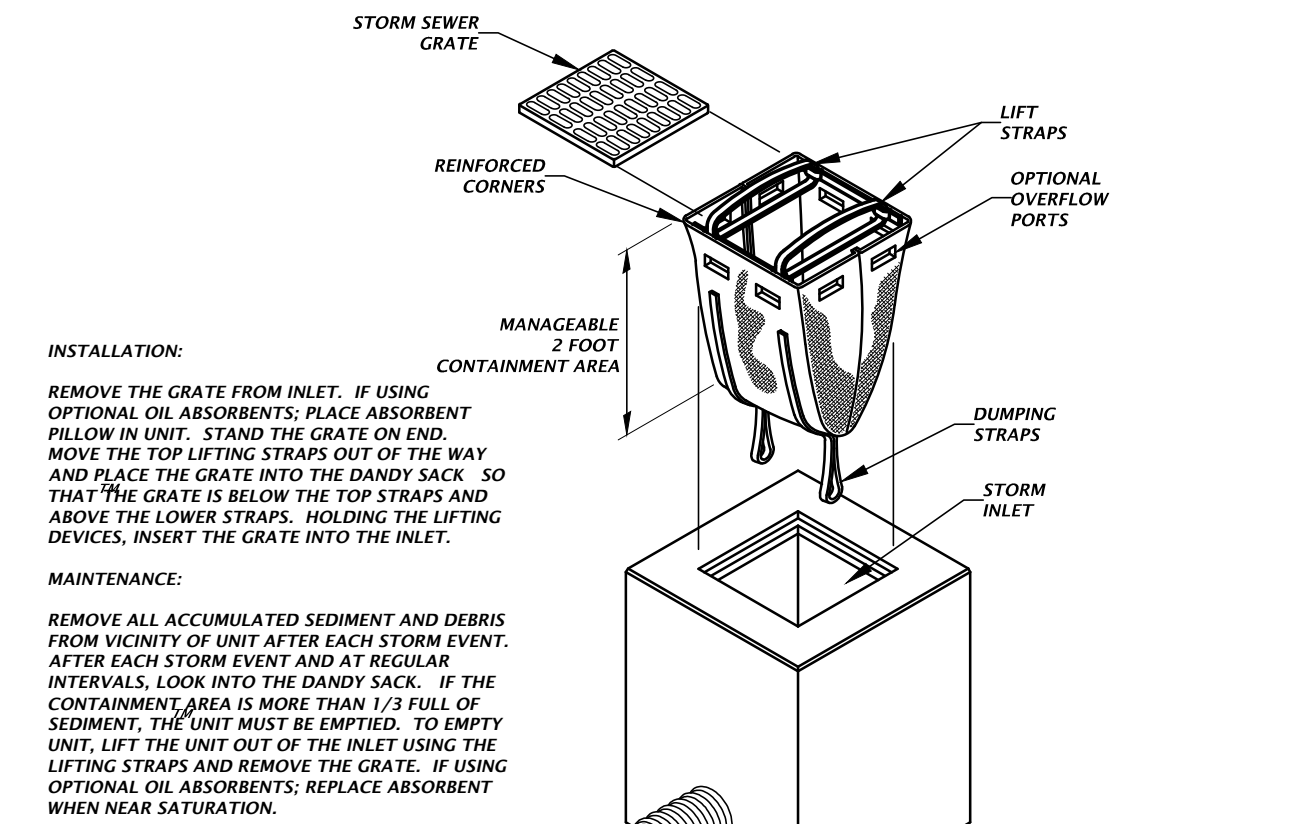
PREVENTION LEGEND

TS = TEMPORARY SEEDING
PS = PERMANENT SEEDING
ML = MULCHING
SD = SOD STABILIZATION
SF = SILT BARRIER
TB = TREE BARRIER
IP = INLET PROTECTION
OP = OUTLET PROTECTION
CO = CONSTRUCTION ENTRANCE/EXIT

NOTE:
1. CONSTRUCTION EXIT INSTALLATION SHALL REMOVE MUD/SOILS FROM TIRES TO PREVENT TRACKING ONTO PUBLIC ROADS.
2. TOP DRESSING WITH 2" STONE MAY BE REQ'D AS DETERMINED BY THE USE AND FUNCTION OF THE SYSTEM.
3. THE WASH PIT SHOULD BE INSTALLED IF THE STANDARD CONSTRUCTION EXIT DOES NOT SUFFICIENTLY REMOVE SOILS AND WASHING IS REQ'D.



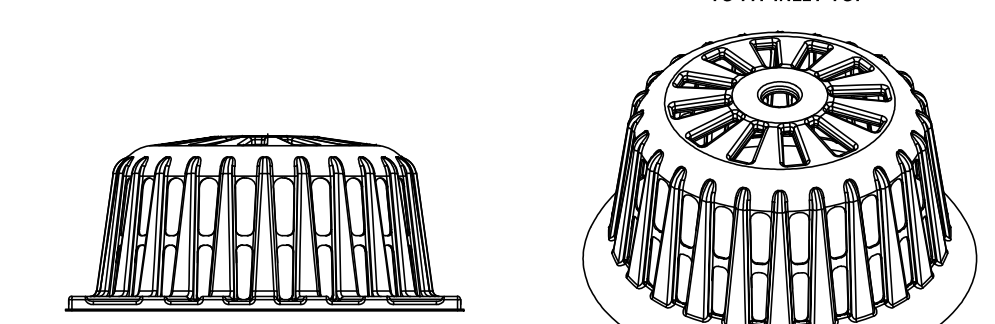
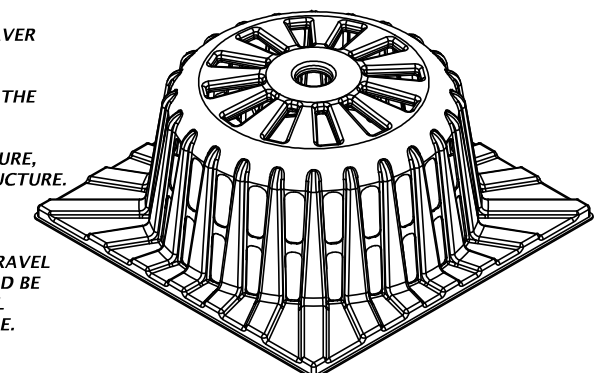
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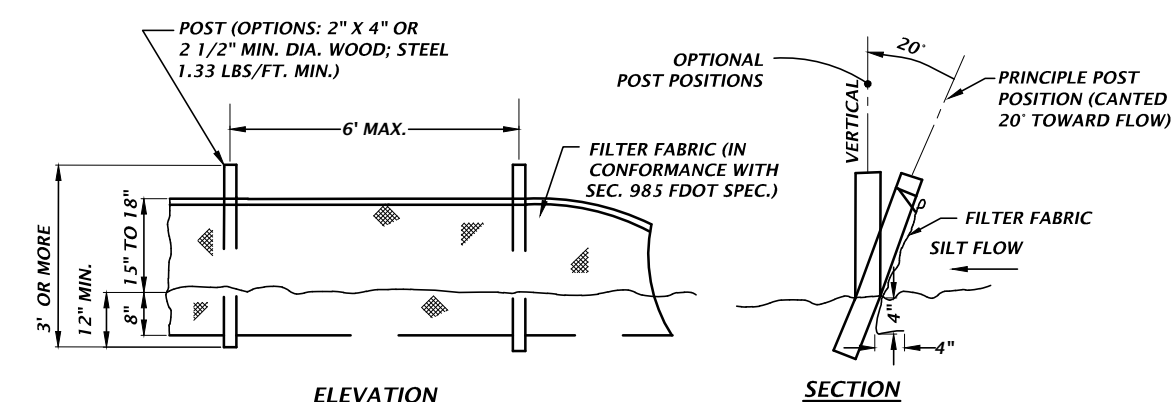
DANDY SACK DETAIL

TYPICAL INSTALLATION SEQUENCE FOR SILT-SAVER FRAME AND FILTER

1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE FILTER OVER THE FRAME.
4. FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.



SILT-SAVER DETAIL



TYPE III SILT FENCE DETAIL

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CA-6075

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REVIEW SCALE: 1" = 30'
DATE: 01/04/17
BY: D.H. YOUNG, P.E.
THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BBU RELEASES

CONSTRUCTION/BBU RELEASES

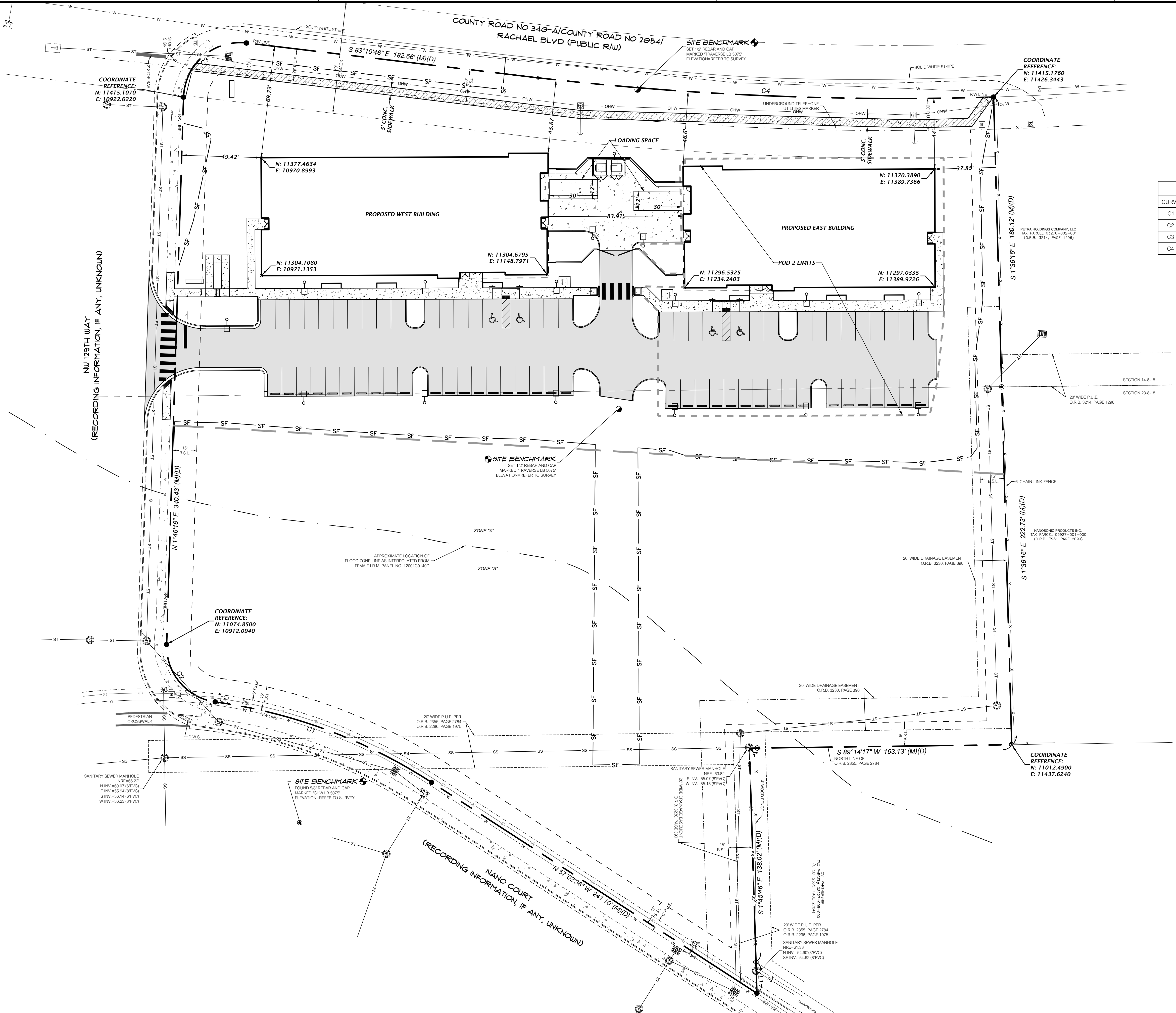
CONSTRUCTION/BBU RELEASES

CONSTRUCTION/BBU RELEASES

CONSTRUCTION/BBU RELEASES

CONSTRUCTION/BBU RELEASES

CONSTRUCTION/BBU RELEASES



= SIDEWALK EASEMENT

LINE DATA TABLE		
LINE	DIRECTION	LENGTH
L1	S 1°45'48" E	14.47'

CURVE DATA TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C1	144.73'	330.00'	25°07'42"	73.55'	143.57'	N 69°36'26" W
C2	51.28'	35.00'	83°56'33"	31.48'	46.81'	N 40°12'00" W
C3	58.05'	35.00'	95°02'12"	38.22'	51.62'	N 49°17'22" E
C4	283.72'	1943.08'	8°21'58"	142.11'	283.47'	S 87°35'01" E



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SCALE: 1"=30'
PER SCALE
BASED ON
ORIGINAL DRAWING
DO NOT USE FOR ANY
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SCALES ACCORDINGLY.

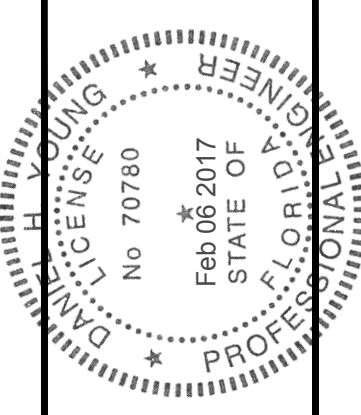
CONSTRUCTION/BBU RELEASES

COMMENTS:
10/31/16 - CITY OF ALACHUA
11/23/16 - CITY OF ALACHUA
01/04/17 - CITY OF ALACHUA P&Z
01/31/17 - CITY OF ALACHUA P&Z
02/05/17 - CITY OF ALACHUA

CLIENT: CONCEPT DEVELOPMENT, INC.
PROJECT: COPELAND PARK PHASE I

DESIGNER: J.F. CSWART
P.E. OLNEY, P.E.
QUALITY CONTROL: D.H. YOUNG, P.E.
PROJECT NUMBER: 16-0386
SHEET TITLE: MASTER SITE PLAN

DANIEL H. YOUNG



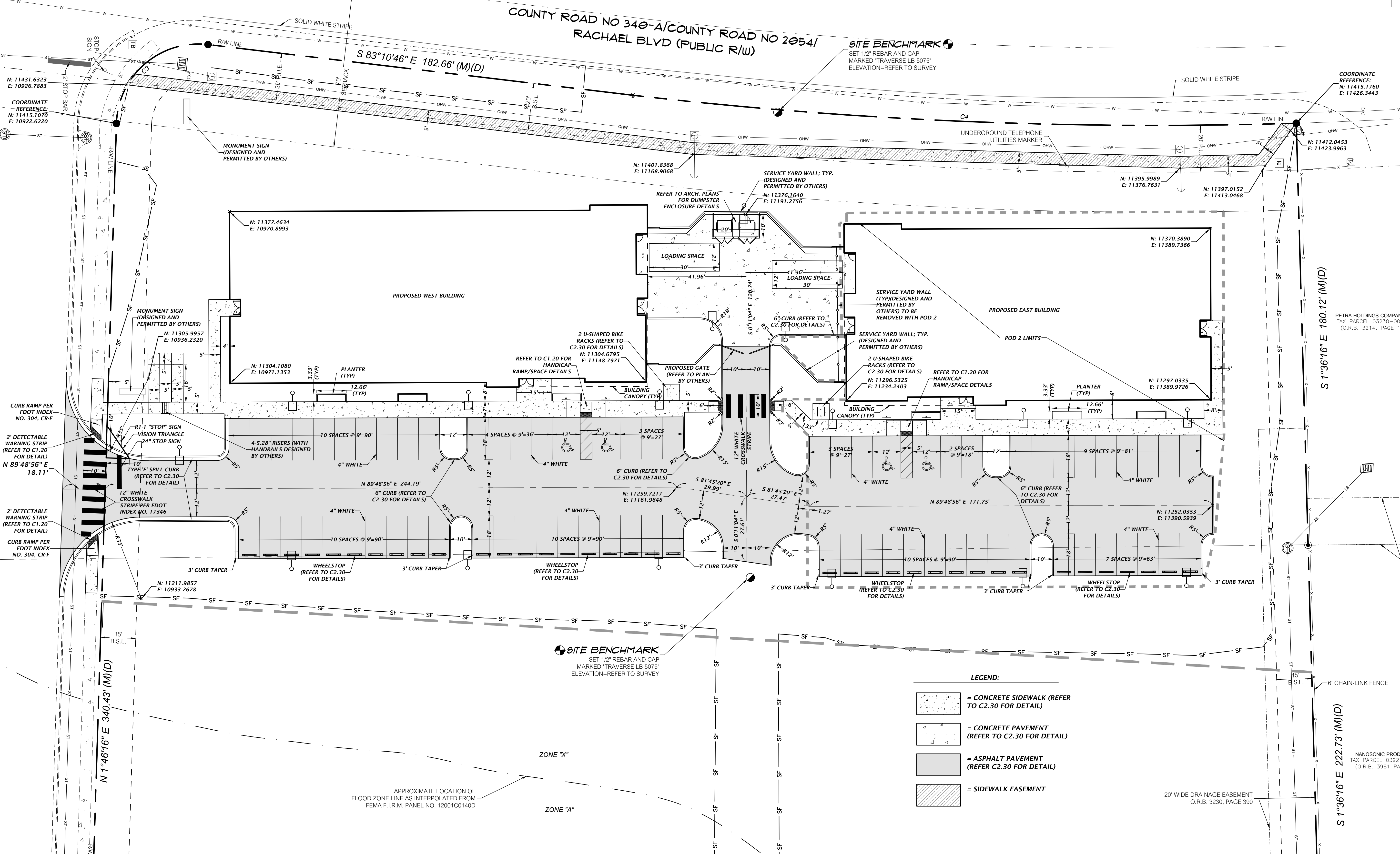
FL PE No. 70780

SHEET NO:

C1.00

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NU 129TH WAY
(RECORDING INFORMATION, IF ANY, UNKNOWN)



- LEGEND:
- = CONCRETE SIDEWALK (REFER TO C2.30 FOR DETAIL)
 - = CONCRETE PAVEMENT (REFER TO C2.30 FOR DETAIL)
 - = ASPHALT PAVEMENT (REFER TO C2.30 FOR DETAIL)
 - = SIDEWALK EASEMENT

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1"=20'
VERTICAL SCALE
BASED ON THE
ORIGINAL DRAWING
0' 1" 2" 3" 4" 5" 6" 7" 8" 9" 10" 11" 12" 13" 14" 15" 16" 17" 18" 19" 20"
HORIZONTAL SCALE
BASED ON THE ORIGINAL DRAWING
1"=20'

CONSTRUCTION/REVISIONS

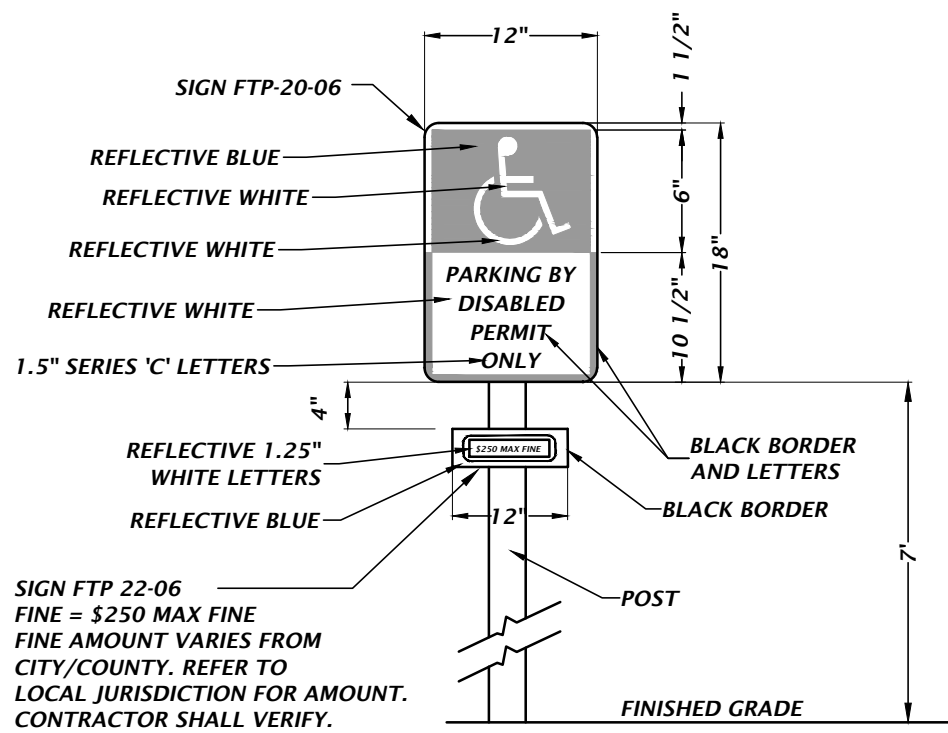
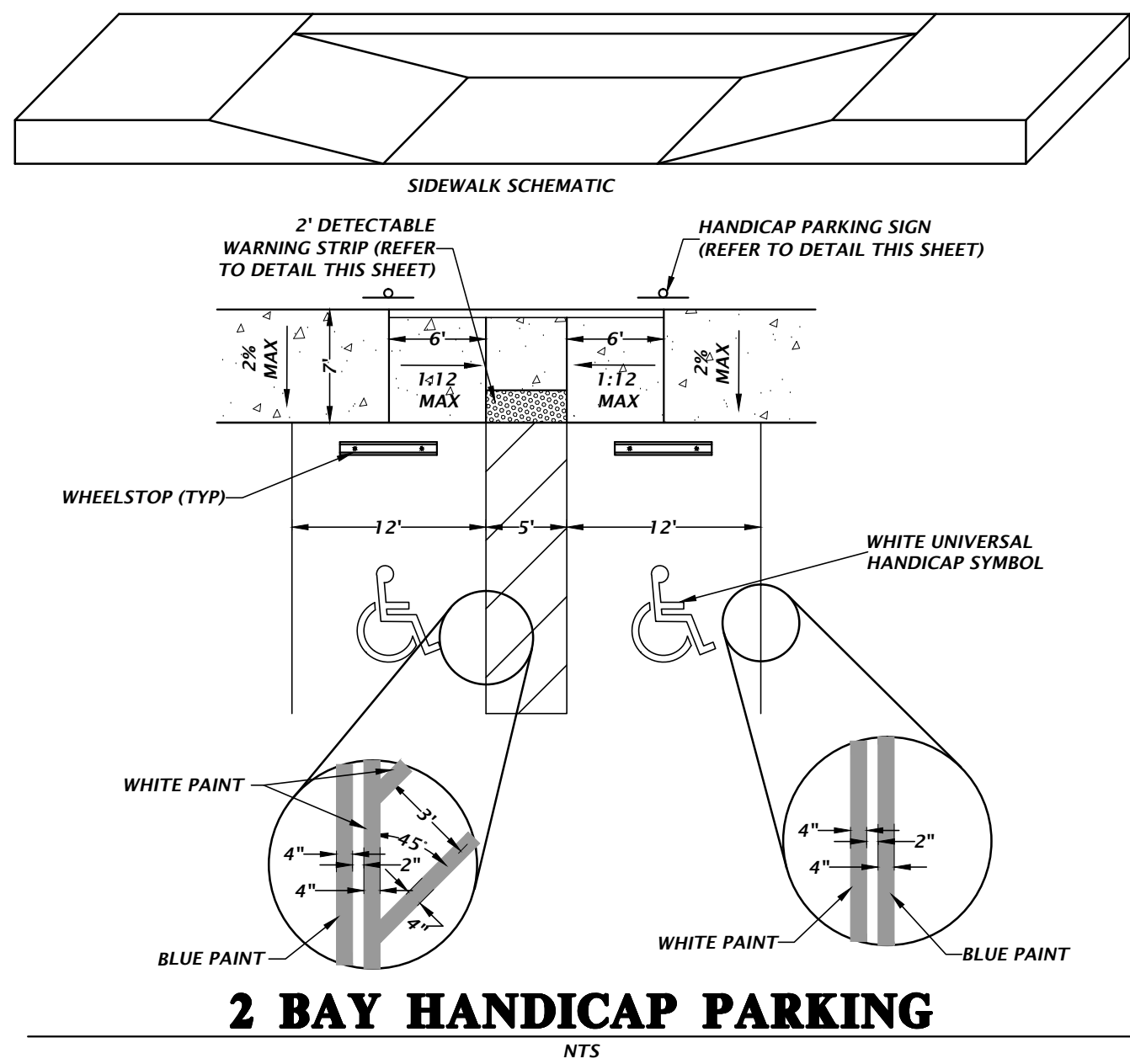
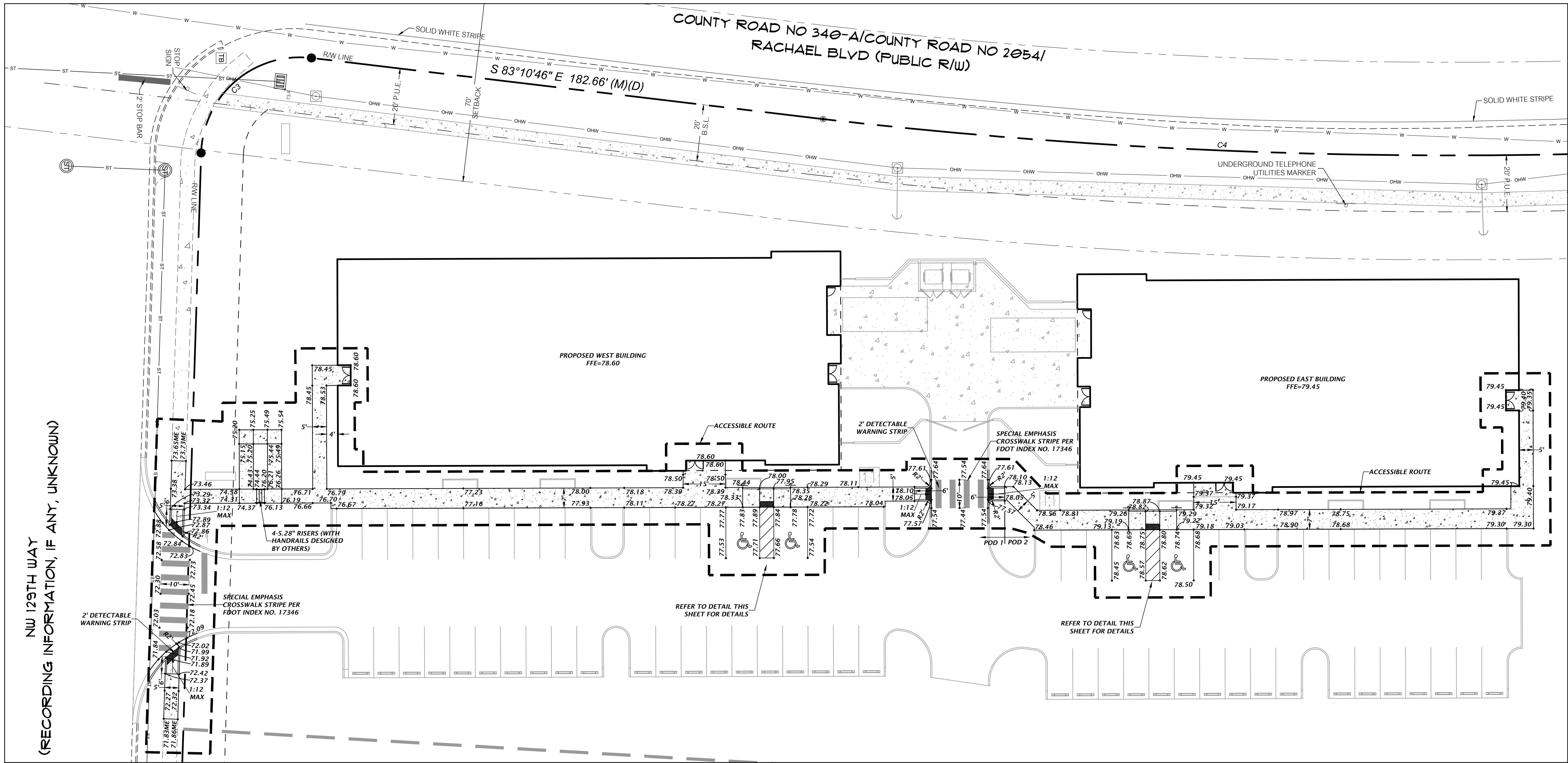
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11/23/16 - CITY OF ALACHUA
01/04/17 - CITY OF ALACHUA
01/31/17 - CITY OF ALACHUA
02/05/17 - CITY OF ALACHUA

CLIENT: CONCEPT DEVELOPMENT, INC.
PROJECT: COPELAND PARK PHASE I
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN
SHEET NUMBER: 16-0386

DESIGNED BY: J.F. COWART
DRAWN BY: R.S. OLNEY, P.E.
CHECKED BY: D.H. YOUNG, P.E.
PROJECT NUMBER: 16-0386

DANIEL H. YOUNG
REGISTERED PROFESSIONAL ENGINEER
FL PE No. 70780
SHEET NO.: C1.10

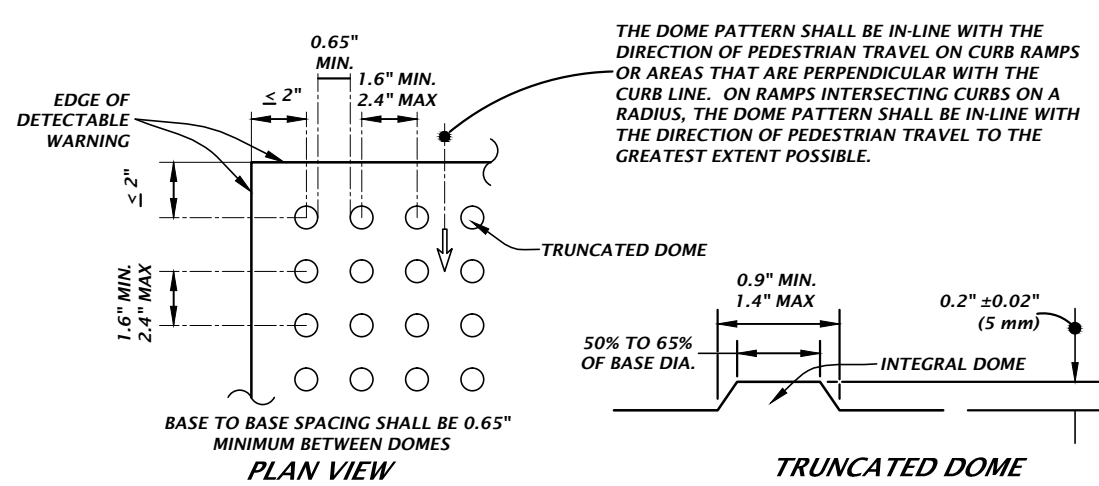
NANOSONIC PRODUCTS
TAX PARCEL 039274
(O.R.B. 3981, PAGE 10)



- SIGN NOTES:
1. SIGN CONSTRUCTION, DESIGN AND PLACEMENT SHALL COMPLY WITH STATE AND LOCAL STATUTES.

H.C. PARKING SIGN DETAIL

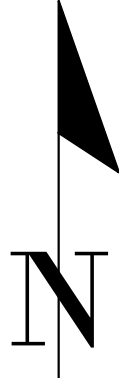
NTS



1. PROVIDE DETECTABLE WARNINGS IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) SECTION 705-DETECTABLE WARNINGS ON WALKING SURFACES AND THE 2014 FLORIDA BUILDING CODE, ACCESSIBILITY, CHAPTER 7, SECTION 705.
2. RAISED TRUNCATED DOMES SHALL HAVE A BASE DIAMETER FROM 0.9\"/>
3. SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.
4. ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES.
5. IF MATS ARE TO BE UTILIZED:
 - A- DETECTABLE WARNING SURFACE SHALL CONSIST OF 3-FT WIDE, SURFACE APPLIED, POLYURETHANE MAT WITH IN-LINE TRUNCATED DOME PATTERN.
 - B- DETECTABLE WARNING SURFACE SHALL BE SECURED BY ADHESIVE AND STAINLESS STEEL ANCHORS.
 - C- ACCEPTABLE PRODUCTS ARE THE SURFACE APPLIED REDIMAT MANUFACTURED BY DETECTABLE WARNING SYSTEMS, INC. OR EQUAL LISTED ON THE FDOT QUALIFIED PRODUCTS LIST IN ACCORDANCE WITH SECTION 527-2.4 OF THE FDOT STANDARD SPECIFICATIONS.
 - D- PRIOR TO INSTALLING DETECTABLE WARNING MAT, SCRUB THE SURFACE WITH A WIRE BRISTLE BRUSH. THE EXISTING CONCRETE SURFACE SHALL BE CLEANED OF ANY LOOSE MATERIAL, DUST, OILS, GREASE, AND SEALERS.
 - E- ALL INSTALLATIONS SHALL BE MADE IN ACCORDANCE WITH THE DETECTABLE WARNING MAT MANUFACTURER'S SPECIFICATIONS.
6. IF INTERLOCKING PAVERS ARE TO BE UTILIZED:
 - A- DETECTABLE WARNING SURFACE SHALL CONSIST OF INTERLOCKING 4\"/>
 - B- ALL UNITS SHALL BE SOUND AND FREE OF DEFECTS THAT WOULD INTERFERE WITH THE APPEARANCE OF PROPER PLACEMENT OF THE UNIT OR IMPAIR THE STRENGTH OR LONGEVITY OF THE FINAL STRUCTURE. ANY UNITS THAT ARE STRUCTURALLY DAMAGED DURING THE WORK SHALL BE IMMEDIATELY REMOVED AND REPLACED. THE PAVERS ARE TO BE LAID IN A TWO BY TWO BASKETWEAVE PATTERN, FLUSH WITH THE FINISH GRADE OF THE RAMP SURFACE, AND HAVE GAPS BETWEEN 1/16 AND 1/8 INCH. CUT PAVERS (MASONRY SAW ONLY) SHALL BE NO SMALLER THAN ONE-THIRD OF A WHOLE PAVES.
 - C- MODIFY FORMWORK OR PROVIDE FORMED GROUT INFILL BEHIND CURVED DROP CURB SECTIONS TO ENSURE STRAIGHT EDGE RESTRAINT FOR PAVERS.
 - D- CONCRETE EDGE RESTRAINT FOR WARNING AREA, MAXIMUM GAP OF 1/8\"/>
 - E- WHEN PAVES ABUT EITHER EARTH/DIRT OR PAVEMENT, A SIX INCH CONCRETE BAND SHALL BE INSTALLED. BAND SHALL BE WITHIN LIMITS OF THE WIDTH OF PROPOSED CONCRETE AND NOT EXTENDED AN ADDITIONAL SIX INCHES.
7. OTHER METHODS/MATERIALS MAY BE USED FOR THE DETECTABLE WARNING STRIP, BUT THEY MUST MEET THE ABOVE CRITERIA.
8. ALL MATERIALS/METHODS TO BE UTILIZED SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER PRIOR TO ORDERING. THE MATERIALS/METHODS, FAILURE TO OBTAIN APPROVAL BEFORE ORDERING OR INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. ENGINEER'S APPROVAL DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR THE PERFORMANCE OF THE ITEM.
9. IF FDOT CURB RAMPS ARE SPECIFIED, REFER TO THE FDOT INDEX NO. 304 FOR SPECIFICATIONS CONCERNING THE APPLICABLE DETECTABLE WARNING STRIP TO BE USED WITH FDOT SPECIFIED RAMPS.

DETECTABLE WARNING DETAIL

NTS



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GRAPHIC SCALE
1\"/>

REVISIONS

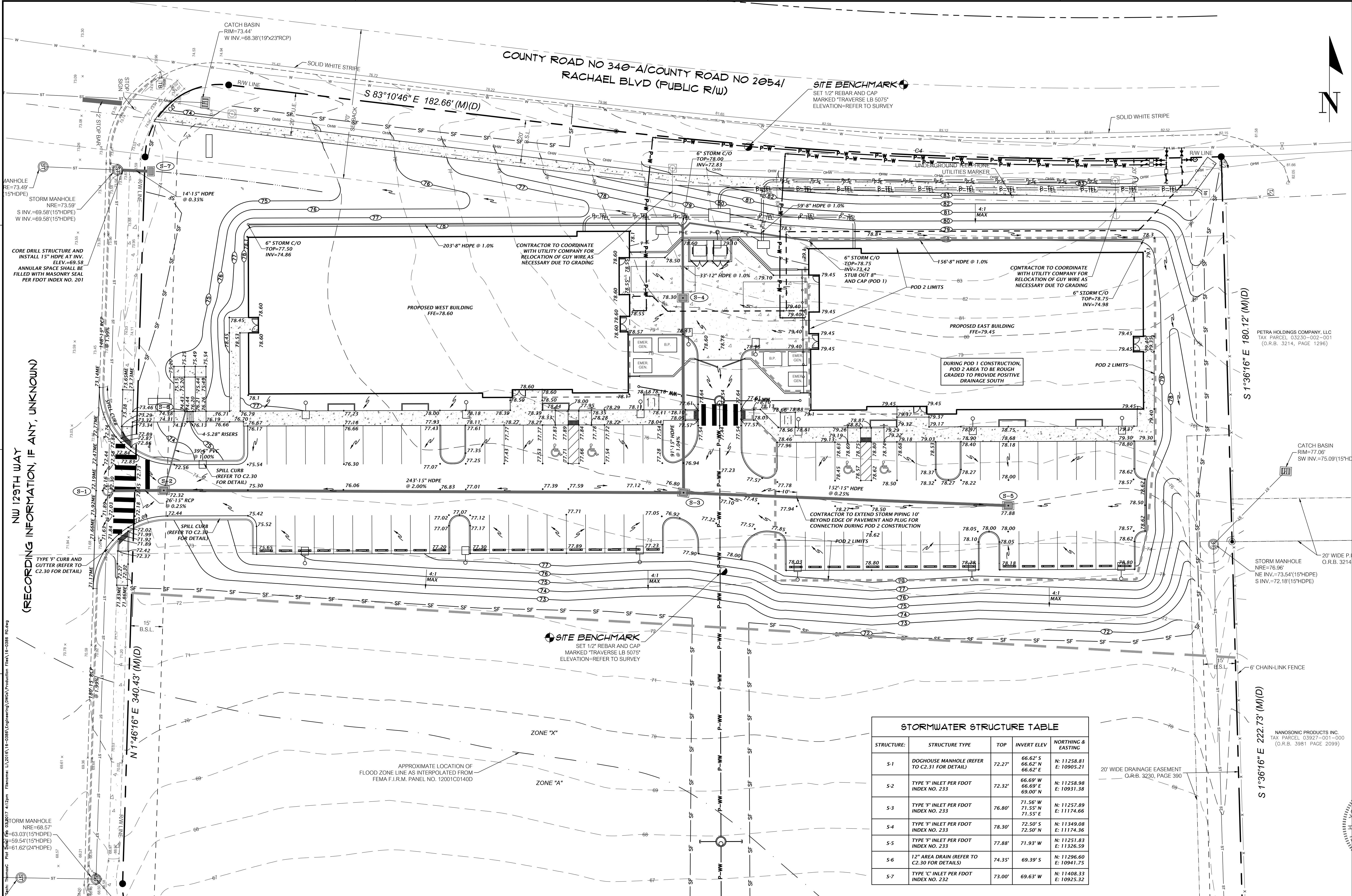
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01/04/17 - CITY OF ALACHUA P&Z
01/31/17 - CITY OF ALACHUA
02/05/17 - CITY OF ALACHUA

CLIENT: CONCEPT DEVELOPMENT, INC.
PROJECT: COPELAND PARK PHASE I
SHEET TITLE: ACCESSIBILITY SITE PLAN
DESIGNER: J.F. COWART
CHECKER: R.S. OLNEY, P.E.
QUALITY CONTROL: D.H. YOUNG, P.E.
PROJECT NUMBER: 16-0386

FL PE No. 70780
SHEET NO: C1.20

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User: jh

NW 129TH WAY
(RECORDING INFORMATION, IF ANY, UNKNOWN)



STORMWATER STRUCTURE TABLE				
STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV	NORTHING & EASTING
S-1	DOCHOWSE MANHOLE (REFER TO C2.31 FOR DETAIL)	72.27	66.62' S 66.62' N 66.62' E	N: 11258.81 E: 10905.21
S-2	TYPE 'F' INLET PER FDOT INDEX NO. 233	72.32	66.69' W 66.69' E 69.00' N	N: 11258.98 E: 10931.38
S-3	TYPE 'F' INLET PER FDOT INDEX NO. 233	76.80	71.56' W 71.55' N 71.55' E	N: 11257.89 E: 11174.66
S-4	TYPE 'F' INLET PER FDOT INDEX NO. 233	78.30	72.50' S 72.50' N	N: 11349.08 E: 11174.36
S-5	TYPE 'F' INLET PER FDOT INDEX NO. 233	77.88	71.93' W	N: 11251.83 E: 11326.59
S-6	12" AREA DRAIN (REFER TO C2.30 FOR DETAILS)	74.35	69.39' S	N: 11296.60 E: 10941.75
S-7	TYPE 'C' INLET PER FDOT INDEX NO. 232	73.00	69.63' W	N: 11408.33 E: 10925.32

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1"=20'
RECORDING SCALE
ON ORIGINAL DRAWING
0"=1" SCALE
THIS SHEET, ADJUST
SCALES ACCORDINGLY.

CONSTRUCTION/BD REVISIONS

16-0386 R2

CLIENT: CONCEPT DEVELOPMENT, INC.

DESIGNER: J.F. COWART

PROJECT: COPELAND PARK PHASE I

SHEET TITLE: DETAILED GRADING AND DRAINAGE PLAN

DATE: 03/07/2017

BY: J.F. COWART

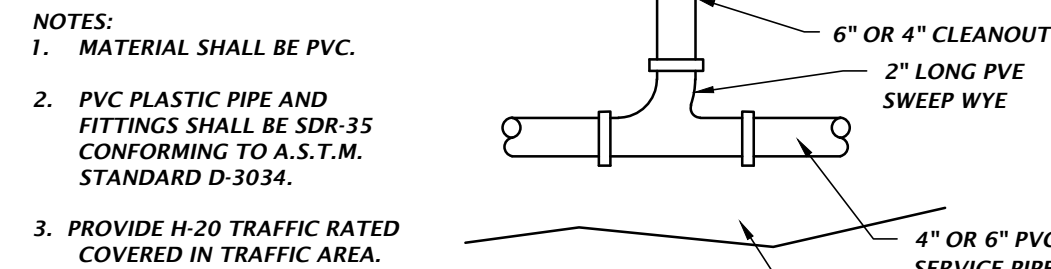
STATE OF FLORIDA

PROFESSIONAL ENGINEER

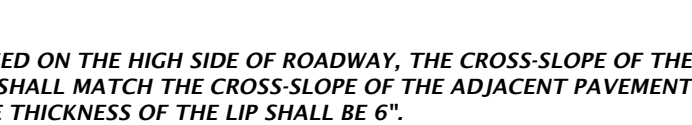
NANOSONIC PRODUCTS INC.
TAX PARCEL: 03230-002-001
(O.R.B. 3981 PAGE 2099)

FL PE No. 70780

SHEET NO. C2.10



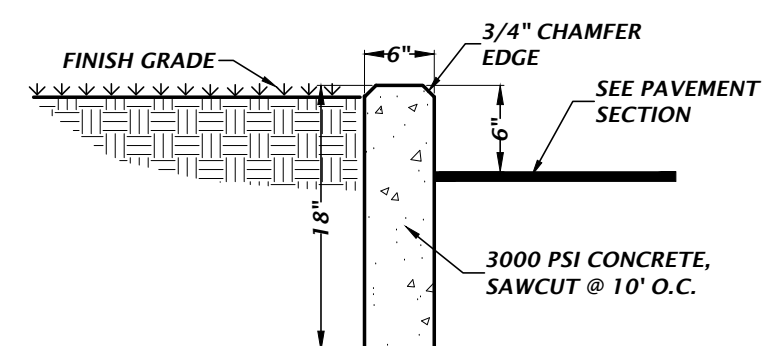
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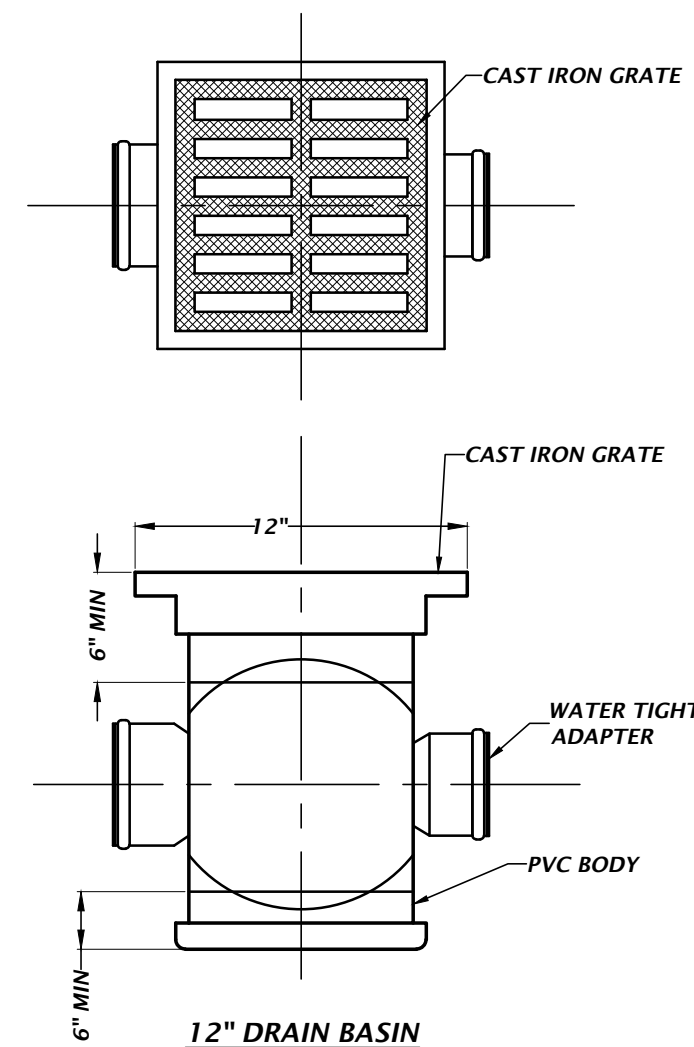
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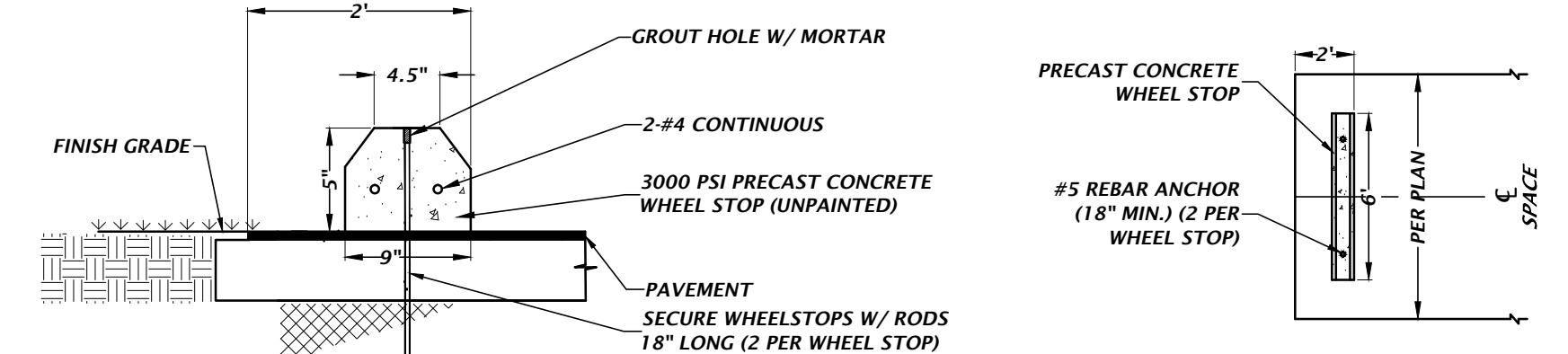
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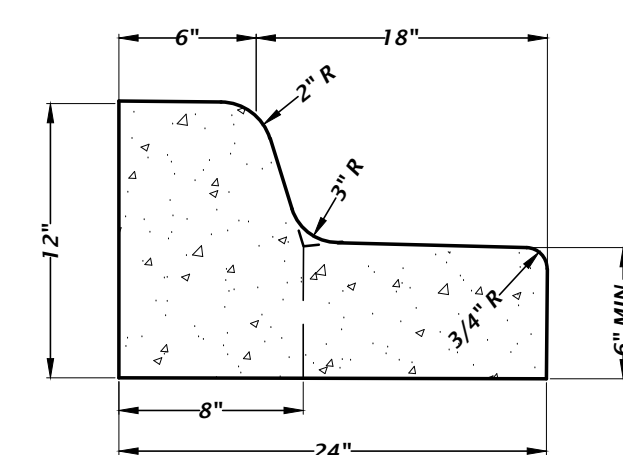
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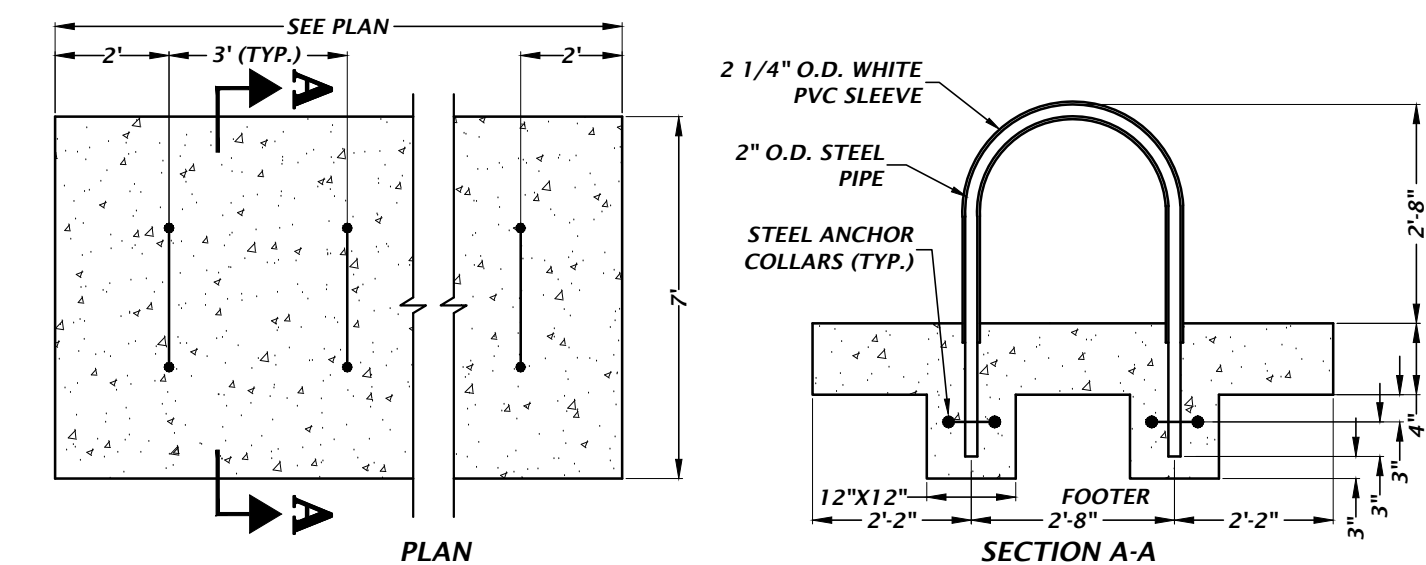
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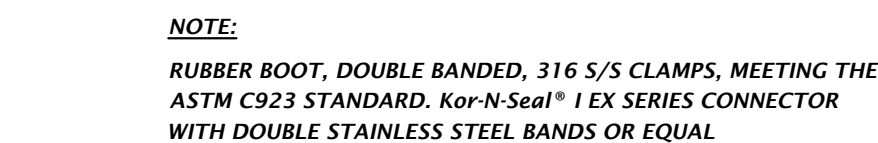
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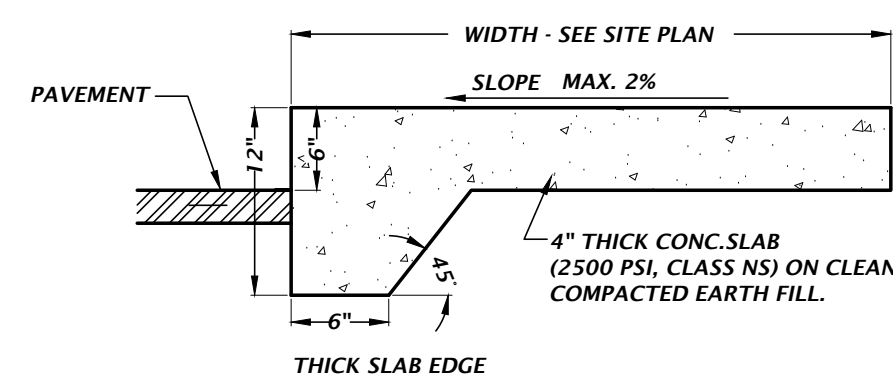
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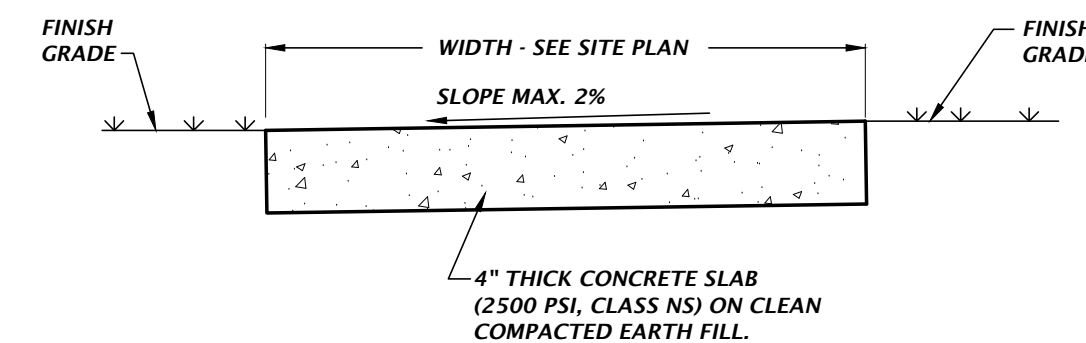
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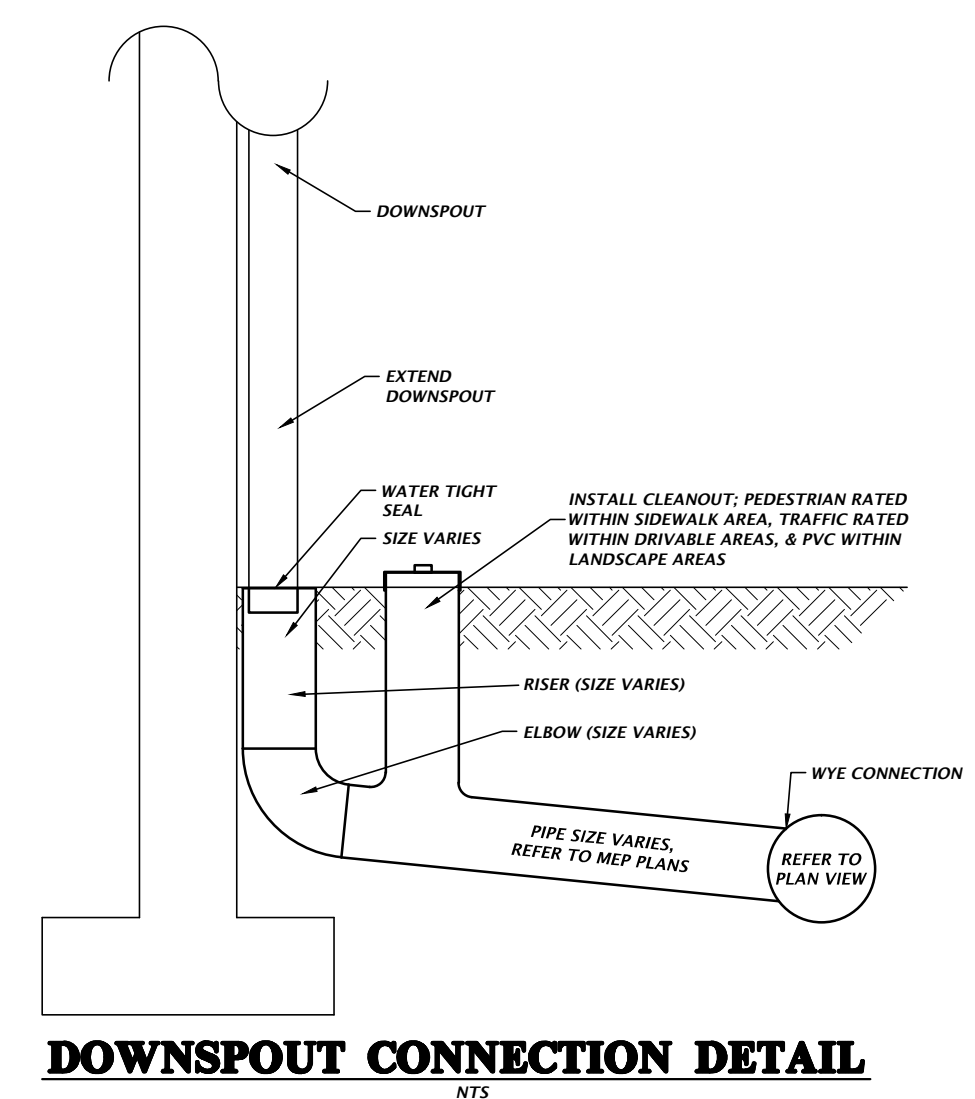
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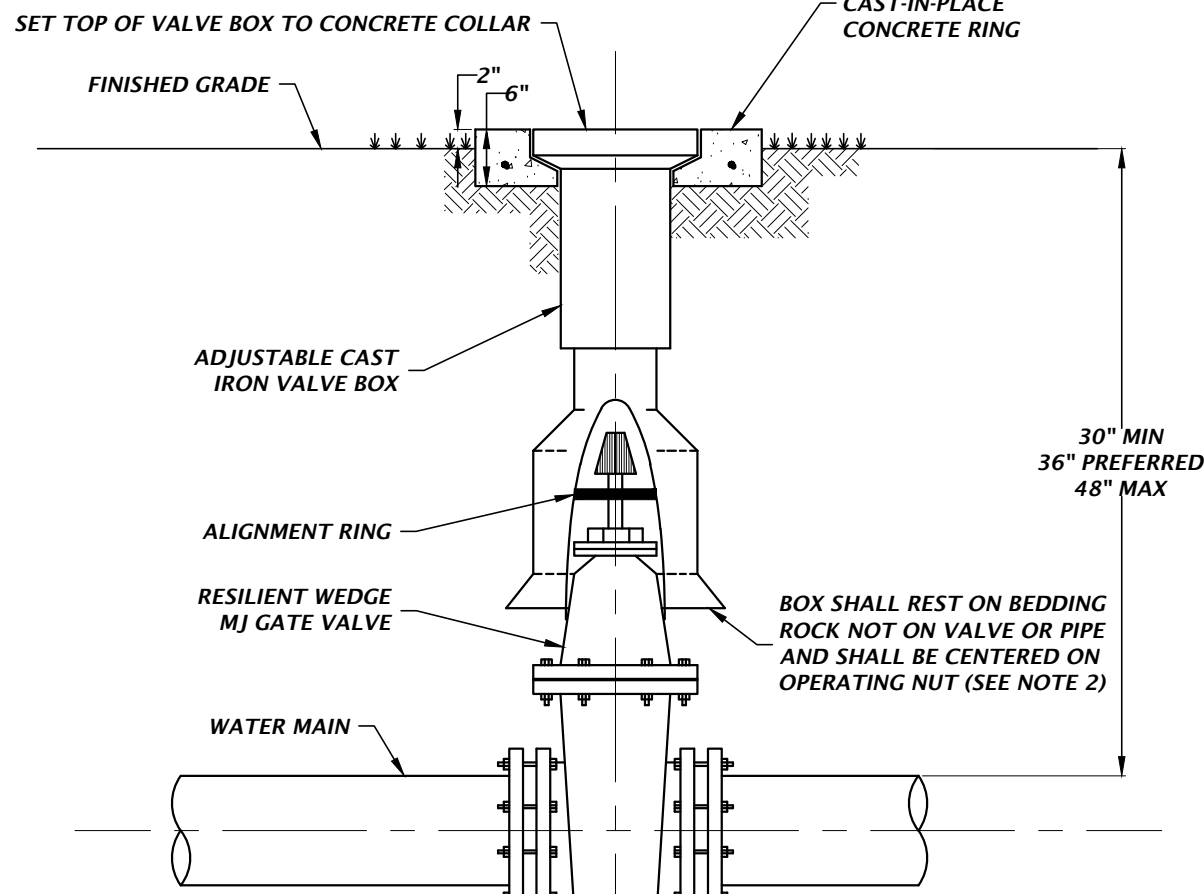


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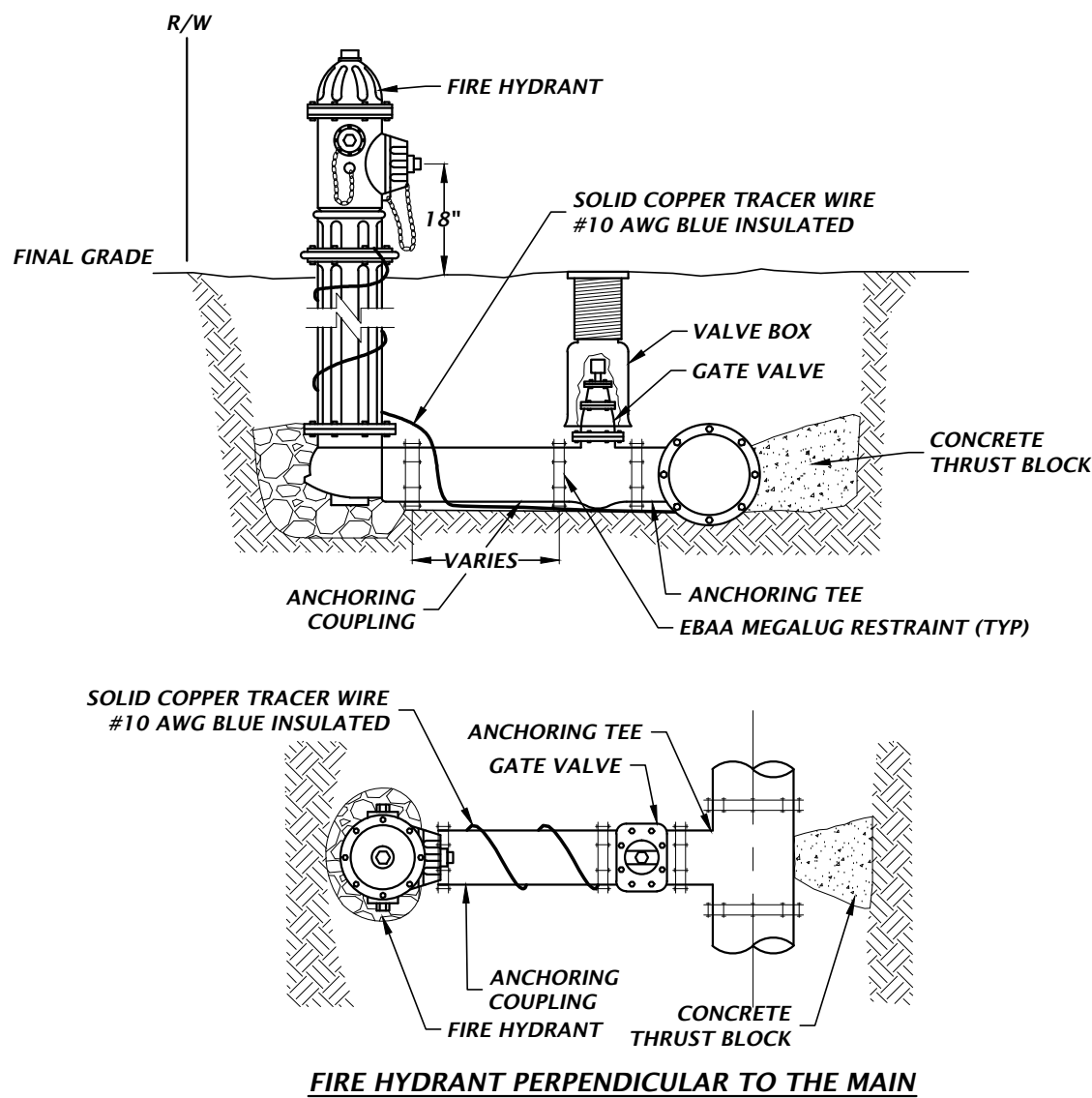
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Tech: ThomasC Plol Date: Feb 03,2017 1:56pm Filename: L:\2016\16-0386\Engineering\DWG\Production\Sheet16-0386 DT.dwg



- NOTES:
1. PVC EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION.
 2. WHEN VALVE BOX IS TO BE INSTALLED IN ROADWAY OR OTHER TRAFFIC AREAS SET VALVE BOX ON FIVE (5) SOLID COMMON BRICKS.
 3. VALVE BOX LID TO BE LETTERED WITH THE WORD "WATER" OR "RECLAIMED".
 4. INSTALL BRASS ID TAG IN CONCRETE.

DETAIL No. 275 - GATE VALVE FOR WATER AND RECLAIMED WATER MAINS 3" OR LARGER

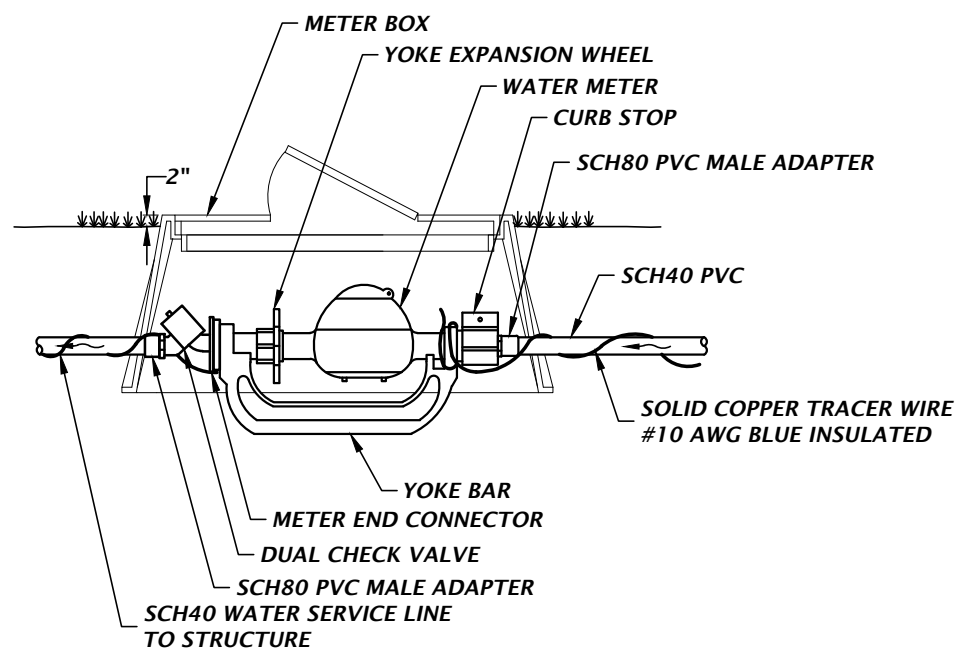
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- NOTES:
1. SEE THRUST BLOCK DETAILS FOR BEARING AREA REQUIRED.
 2. A NONPOROUS MATERIAL 8 MILS (MIN) VISQUEEN OR 15 lb (MIN) FELT SHOULD BE PLACED BETWEEN THE CONCRETE AND THE ENTIRE FITTING.

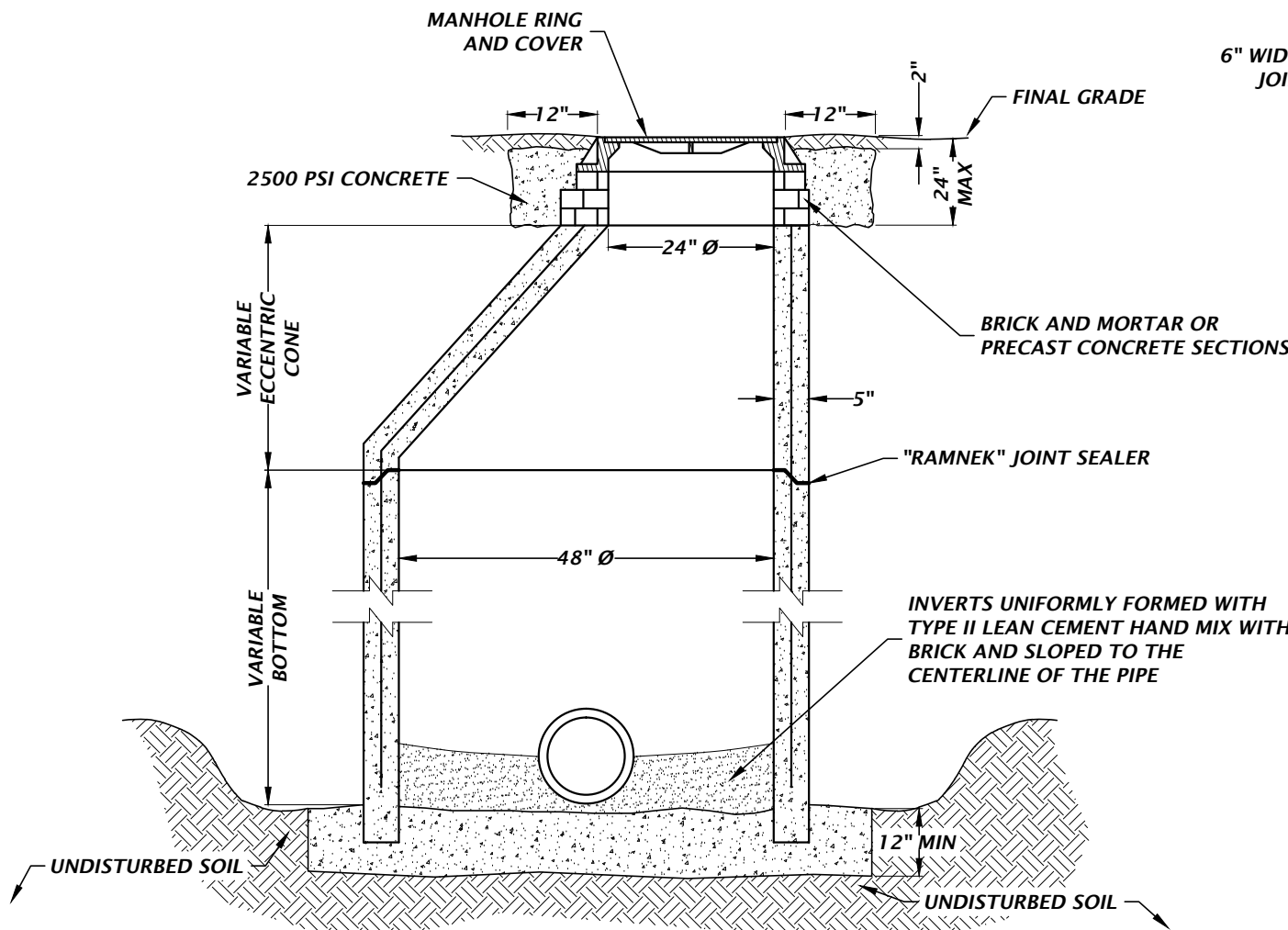
DETAIL No. 210 - FIRE HYDRANT

NTS



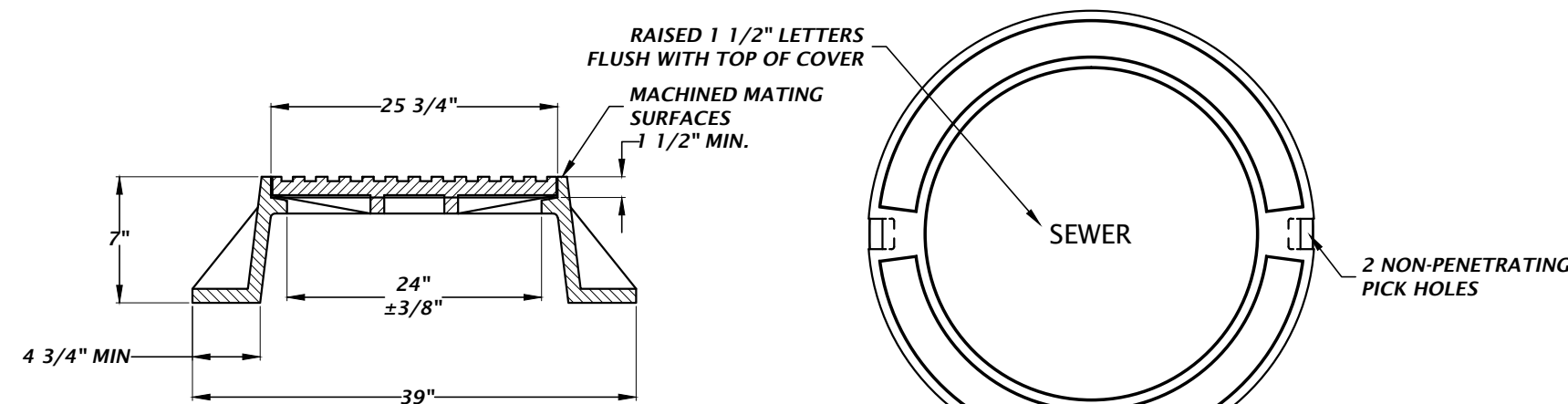
DETAIL No. 230 - 3/4" AND 1" WATER METER ASSEMBLY

NTS



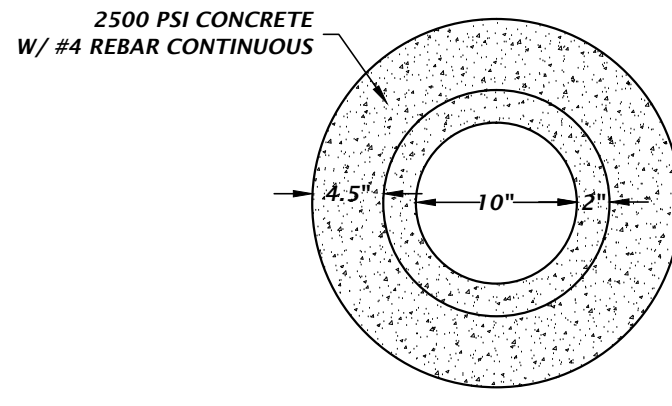
DETAIL No. 380 - STANDARD DOGHOUSE MANHOLE CONSTRUCTION

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DETAIL No. 350 - STANDARD SEWER MANHOLE FRAME AND COVER

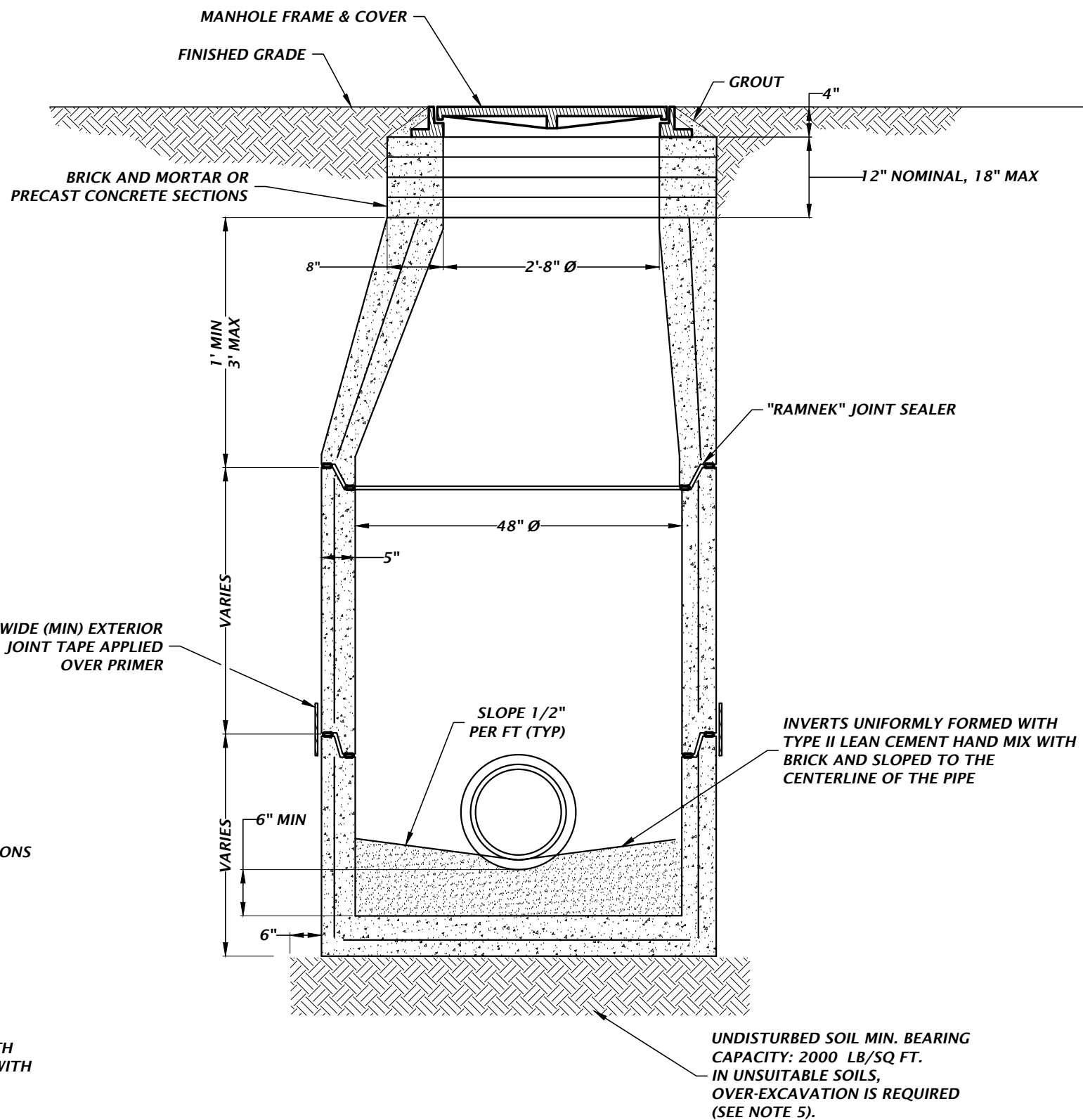
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DETAIL No. 370 - PRECAST CONCRETE CLEANOUT RING

(FOR WASTEWATER CLEANOUTS AND VALVE BOXES)

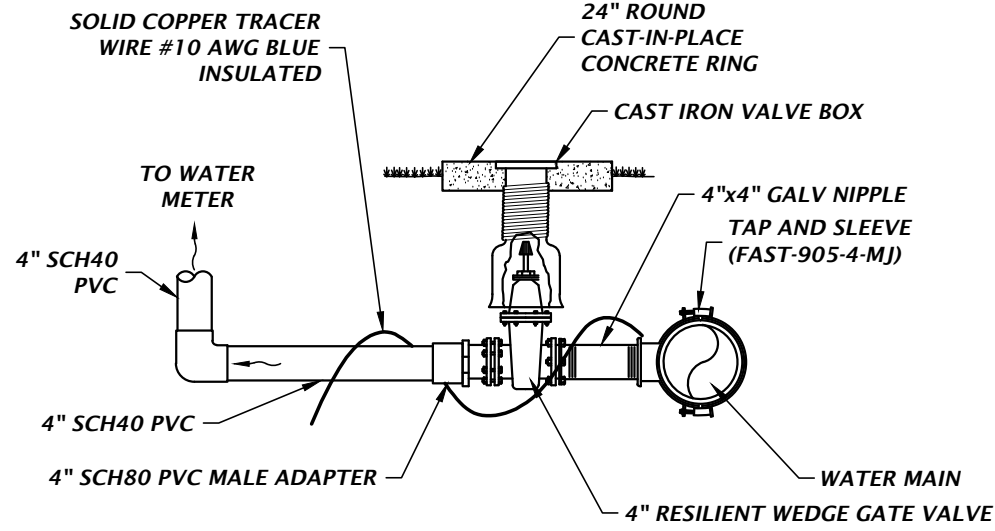
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- NOTES:
1. PRECAST MANHOLE SECTIONS TO BE MANUFACTURED IN ACCORDANCE WITH THE LATEST EDITIONS OF A.S.T.M. C-478-73 WITH 4000 LB. CONC., TYPE II CEMENT. ALL LIFTING HOLES AND OUTSIDE INSERTS SHALL BE FILLED WITH NON-SHRINK GROUT AND SEALED WITH "RAMNEK" SEALER.
 2. THE INTERIOR AND EXTERIOR OF MANHOLE AND THE INTERIOR OF THE ADJUSTMENT RINGS SHALL BE JOINED AND SEALED WITH "RAMNEK" SEALER.
 3. ALL M/H JOINTS BELOW THE TOP CONE SECTION SHALL INCLUDE A 6" WIDE (MIN) EXTERIOR JOINT TAPE (W/PRIMER). TAPE ON THE CONE SECTION IS OPTIONAL.
 4. PRECAST BASE SECTIONS WITH A BOTTOM SHALL BE INSTALLED ON UNDISTURBED EARTH. BEDDING IS REQUIRED WHEN THE SOIL CONDITIONS ARE WET OR WHEN THE SOIL IS UNSUITABLE. UTILITIES SHALL DETERMINE IN THE FIELD REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION. IF UNDERCUTTING OCCURS, THE BOTTOM OF THE TRENCH SHALL BE BROUGHT UP TO THE ORIGINAL GRADE WITH APPROVED MATERIAL AND THOROUGHLY COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR.

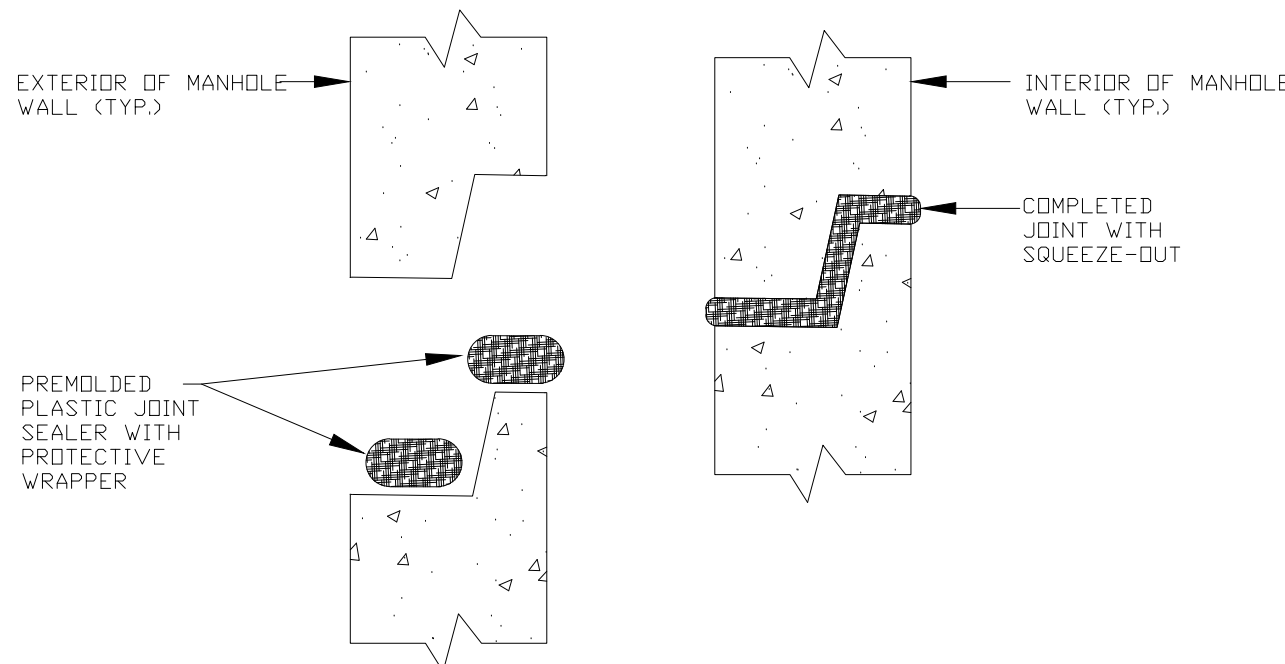
DETAIL No. xxx - STANDARD MANHOLE

NTS



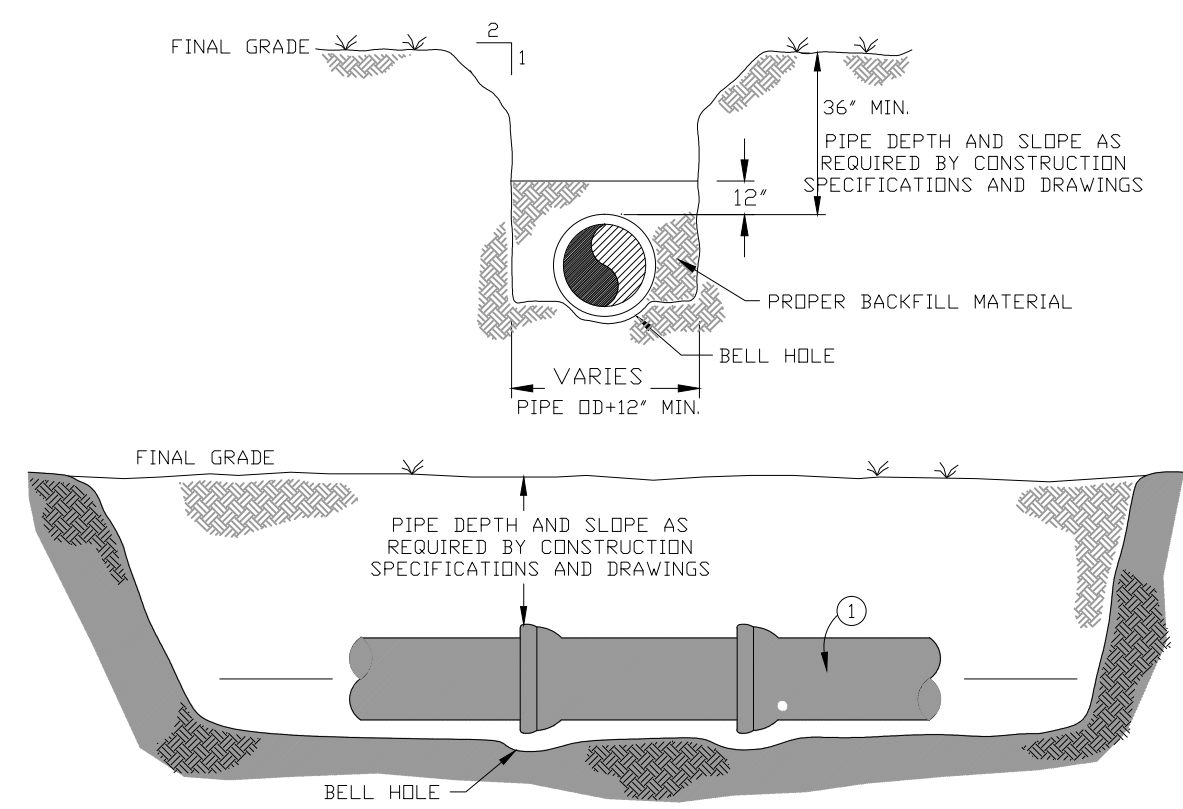
DETAIL No. xxx - 4" WATER SERVICE CONNECTION

NTS



JOINT ARRANGEMENT AND SEALANT

NTS



- NOTES:
1. GRAVITY MAIN PIPE SHALL BE INSTALLED AT THE LINE AND GRADE.
 2. PIPE MATERIAL SHALL CONFORM TO W-2.0.

WASTEWATER GRAVITY MAIN CONSTRUCTION

NTS

MATERIALS	
ITEM	DESCRIPTION
1	GRAVITY SEWER MAIN PIPE

132 NW 78th Drive
Gainesville, Florida 32607
(882) 331-1976 / (882) 331-2476
www.chw-ho.com

CHW
Professional Consultants

SCALE: N/A
PERMANENT SCALE: 1" = 10'-0" ON ORIGINAL DRAWING
0" = 1" MAXIMUM SCALE ADJUSTMENT
THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/REV. REVISIONS

REVISIONS
10/31/16 - CITY OF ALACHUA
11/23/16 - CITY OF ALACHUA
01/04/17 - CITY OF ALACHUA P&Z
01/31/17 - CITY OF ALACHUA
02/05/17 - CITY OF ALACHUA

CLIENT: CONCEPT DEVELOPMENT, INC.
PROJECT: COPELAND PARK PHASE I
SHEET TITLE: CONSTRUCTION DETAILS

DESIGNER: J.F. COWART
CHECKER: R.S. OLNEY, P.E.
QUALITY CONTROL: D.H. YOUNG, P.E.
PROJECT NUMBER: 16-0386

DANIEL H. YOUNG

FL PE No. 70780

SHEET NO:

C2.31