



**AGENDA
TECHNICAL REVIEW COMMITTEE
REGULAR MEETING
JUNE 25, 2020
9:00 AM
CITY HALL COMMISSION CHAMBERS
204 ASH STREET
FERNANDINA BEACH, FL 32034**

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. PLEDGE OF ALLEGIANCE**
- 4. APPROVAL OF MINUTES**
 - 4.1 June 11, 2020 Regular Meeting Minutes
 - 4.2 March 12, 2020 Regular Meeting Minutes
- 5. DISCUSSION ITEMS**
 - 5.1 Change of use: 1894 S. 14th Street, suite 1 - Tara Thousand with Amelia Coastal Realty to discuss leasing the space for a hair salon. The property is zoned C-1, Community Commercial.
 - 5.2 Change of use: 1531 Sadler Road - Rebeca Salmon with Eat the Frog Fitness to discuss commercial buildout for health club. The property is zoned C-2, General Commercial.
- 6. NEW BUSINESS**
 - 6.1 SPR 2020 - 0004: Kristopher Rowley with Zev Cohen and Associates - Expansion of SMCC parking lot and relocation of the Liberty Billings House.
- 7. DEVELOPMENT INQUIRIES FROM APPLICANTS NOT ON THE AGENDA - DISCUSSION ONLY, NO ACTION TO BE TAKEN.**
- 8. COMMITTEE BUSINESS**
 - 8.1 SPR 2020-0002 - Cottages at Amelia - Sign off
- 9. ADJOURNMENT**

NEXT REGULAR TRC MEETING IS SCHEDULED FOR JULY 9, 2020

Persons with disabilities requiring accommodations in order to participate in this program or activity should contact 310-3115, TTY 711, or through the Florida Relay Services at 1-800-955-8771 (TTY number for all City offices) at least 24 hours in advance to request such accommodations.



**MINUTES
TECHNICAL REVIEW COMMITTEE
REGULAR MEETING
JUNE 11, 2020
9:00 AM**

1. CALL TO ORDER 9:00 AM

2. ROLL CALL

MEMBERS PRESENT:

Jacob Platt, Planning	Steven Beckman, Building (joined at 9:10)
Rex Lester, Streets/ADA (joined at 9:02)	Jason Higginbotham, Fire
Andre Desilet, Stormwater	Michelle Forstrom, Code
John Mandrick, Utilities	Juan Brown, Utilities

3. DEVELOPMENT INQUIRIES FROM APPLICANTS NOT ON THE AGENDA - DISCUSSION ONLY, NO ACTION TO BE TAKEN.

7.1 Pre-Application Discussion: Anthony Dibuono, Amelia Underwriters, 115 Centre Street

Mr. Anthony DiBuono, from Amelia Underwriters, was present to discuss cleanup of the old Hola location including the courtyard and annex it to the Palace Saloon. The applicant mentioned transferring the liquor license. The applicant also confirmed that costs for dumpsters and the change in the curb cut would be their responsibility. Mr. Mandrick explained occupancy and seating. Mr. Platt explained the requirements for a Historic District Certificate of Approval. Mr. Beckman explain occupant load. The applicant was advised to keep the City updated with the project and to contact the Building Department for business licensing.

7.2 Pre-Application Discussion: Paul Lore, Thompson House Project, 11 S. 7th Street

This property is a single-family residence. The applicant is looking to open a small boutique B&B, turn the accessory structure into a carriage house (previously Lulu's). Mr. Platt addressed the usage and the LDC requirements, mainly parking requirements. Mr. Platt explained Historic District Guidelines requirements. The applicant was advised to keep the City updated with the project.

7.3 Pre-Application Discussion: Scott Thompson, Road Sharks Scooting, 626 S. 8th Street

Mr. Thompson was present to discuss current code violations and to get insight on steps to correct the current situation. The committee members summarized that he has outgrown his current location. The applicant is currently scouting other locations. Mr. Higginbotham spoke about fire separation regarding the current occupancy on the 2nd floor. Mr. Beckman will be looking for a future vacancy of that residential unit. The applicant stated he is working on the removal of trash. Ms. Forstrom suggested to use a roll off dumpster. The applicant was advised to continue his process of relocating the business.

4. COMMITTEE BUSINESS

Rex Lester mentioned that at the old Taylor Rental location, there is tore up sidewalk, and he asked that contractor be notified as it has become a liability.

He also noted that the brewery at the Old Fred's parking lot is setting up for outside seating which was not discussed during their TRC meeting. Ms. Forstrom emphasized the fact that although they received a temporary CO, this does not allow for a LBTR to be issued thus not allow them to open for business. She also noted that there has been a few instances that CO's had been issued without a LBTR in place and asked if a process could be put in place for better communication between the Building Dept. and Code Enforcement to avoid these issues. Code enforcement will investigate the situation with the brewery further.

Mr. Platt mentioned that he will forward the St. Michael's review to all committee members. Mr. Mandrick mentioned that he will also forward the documents pertaining to the Amelia Cottages project.

5. ADJOURNMENT AT 10:57.

Jacob Platt, Chair



**MINUTES
TECHNICAL REVIEW COMMITTEE
REGULAR MEETING
MARCH 12, 2020**

1. CALL TO ORDER – 9:02 AM

2. ROLL CALL

MEMBERS PRESENT:

Jacob Platt, Planning
Rex Lester, Streets/ADA
Andre Desilet, Stormwater
John Mandrick, Utilities

Don Kukla, Building
Jason Higginbotham, Fire
Michelle Forstrom, Code

3. PLEDGE OF ALLEGIANCE

4. APPROVAL OF MINUTES

4.1 February 27, 2020 Regular Meeting

ACTION TAKEN: A motion was made by Member Mandrick, seconded by Member Desilet, to approve the minutes as presented.

Motion passed by unanimous voice vote.

5. DISCUSSION ITEMS

5.1 Pre-Application Discussion: Elaine Ritter, property owner at 309 N. 10th Street will be present to discuss extending North 10th Street to access her lot for the construction of a single-family home.

Elaine Ritter and Lee Cranmer were present to discuss the item. Topography and potential for wetlands were discussed. The applicants were advised to follow the right of way and roadway standards and return for a full site plan review.

5.2 Pre-Application Discussion: Asa Gillette, Gillette & Associates & Lauren Templeton of Amelia Art Studio to discuss constructing a new art studio on a 200 x 100 foot parcel located on the southwest corner of South 8th and Fir Street.

Asa Gillette and Lauren Templeton joined the group to discuss the proposed Art Studio. A parking agreement with the neighboring Mocama Brewery was discussed.

6. NEW BUSINESS

6.1 SPR 2020-01: Heirloom Yard, 20 S 10th Street: Asa Gillette, Gillette & Associates

Asa Gillette was present to discuss comments provided by the committee.

7. DEVELOPMENT INQUIRIES FROM APPLICANTS NOT ON THE AGENDA- DISCUSSION ONLY, NO ACTION TO BE TAKEN.

7.1 Dylan Parker of Parker Contracting was present to discuss the construction of an office building at 1943 Citrona Drive. Mr. Parker was advised to return for a full site plan review.

7.2 John Hicks and John Lolley were present to discuss 4 fee simple 2 unit town homes on the 100 block of S. 8th Street. The applicants were advised to return for a full site plan review.

8. COMMITTEE BUSINESS

8.1 South 4th Street parking lot – Dumpster Enclosure

Arlene Filkoff, President of Fernandina Main Street

8.2 The committee discussed naming the alleyway within The Surf subdivision.

9. ADJOURNMENT – 11:00AM

Jacob Platt

SMCC PARKING LOT- PHASE 2

CITY OF FERNANDINA BEACH - NASSAU COUNTY, FL

FINAL ENGINEERING PLANS

OWNER:

ST. MICHAEL CATHOLIC CHURCH
505 BROOME ST,
FERNANDINA BEACH, FL 32034
904-261-3472
CONTACT PERSON: WALT EDWARDS

CIVIL ENGINEER:

ZEV COHEN AND ASSOCIATES
300 INTERCHANGE BLVD, STE C
ORMOND BEACH, FL 32174
386-677-2482
CONTACT PERSON: KRIS ROWLEY, P.E.
e-mail: krowley@zevcohen.com

SURVEYOR:

MANZIE AND DRAKE LAND SURVEYING
117 SOUTH NINTH ST.
FERNANDINA BEACH, FL 32034
904-491-5700
CONTACT: MICHAEL A. MANZIE P.L.S.

ARCHITECT:

MIRANDA ARCHITECTS
309 ½ CENTRE ST., SUITE 206
FERNANDINA BEACH, FL 32034
904-261-4586
FAX NUMBER
CONTACT PERSON: JOSE MIRANDA
e-mail: jmiranda@mirandaarchitects.com

LANDSCAPE ARCHITECT:

ZEV COHEN AND ASSOCIATES
300 INTERCHANGE BLVD
ORMOND BEACH, FL 32174
386-677-2482
CONTACT PERSON: JAKE STEHR
e-mail: jstehr@zevcohen.com

PROJECT DESCRIPTION:

THIS PROJECT INCLUDES THE CONSTRUCTION OF A 40 SPACE PARKING LOT AND ASSOCIATED INFRASTRUCTURE.

SITE INFORMATION:

SITE ADDRESS:	222N 5TH STREET, FERNANDINA BEACH, FL 32034
PROJECT AREA:	.689 AC
TAX PARCEL I.D. #:	00-00-31-1800-0032-0030
EXISTING ZONING:	R-2
PROPOSED ZONING:	R-2
EXISTING LAND USE:	PARKING LOT AND BUILDINGS
PROPOSED LAND USE:	PARKING LOT AND BUILDINGS
EXISTING FUTURE LAND USE:	MEDIUM DENSITY RESIDENTIAL
SETBACKS:	
FRONT:	25 FT
SIDE:	10% OF LOT WIDTH
REAR:	20 FT
PERIMETER:	453.13 FT
REQUIRED LANDSCAPE BUFFER(S):	NO BUFFER REQUIRED
	NO BUFFER REQUIRED
	NO BUFFER REQUIRED
MAXIMUM BUILDING LOT COVERAGE:	45% OF THE LOT
MAXIMUM BUILDING HEIGHT	35 FT
UTILITIES:	CITY OF FERNANDINA BEACH

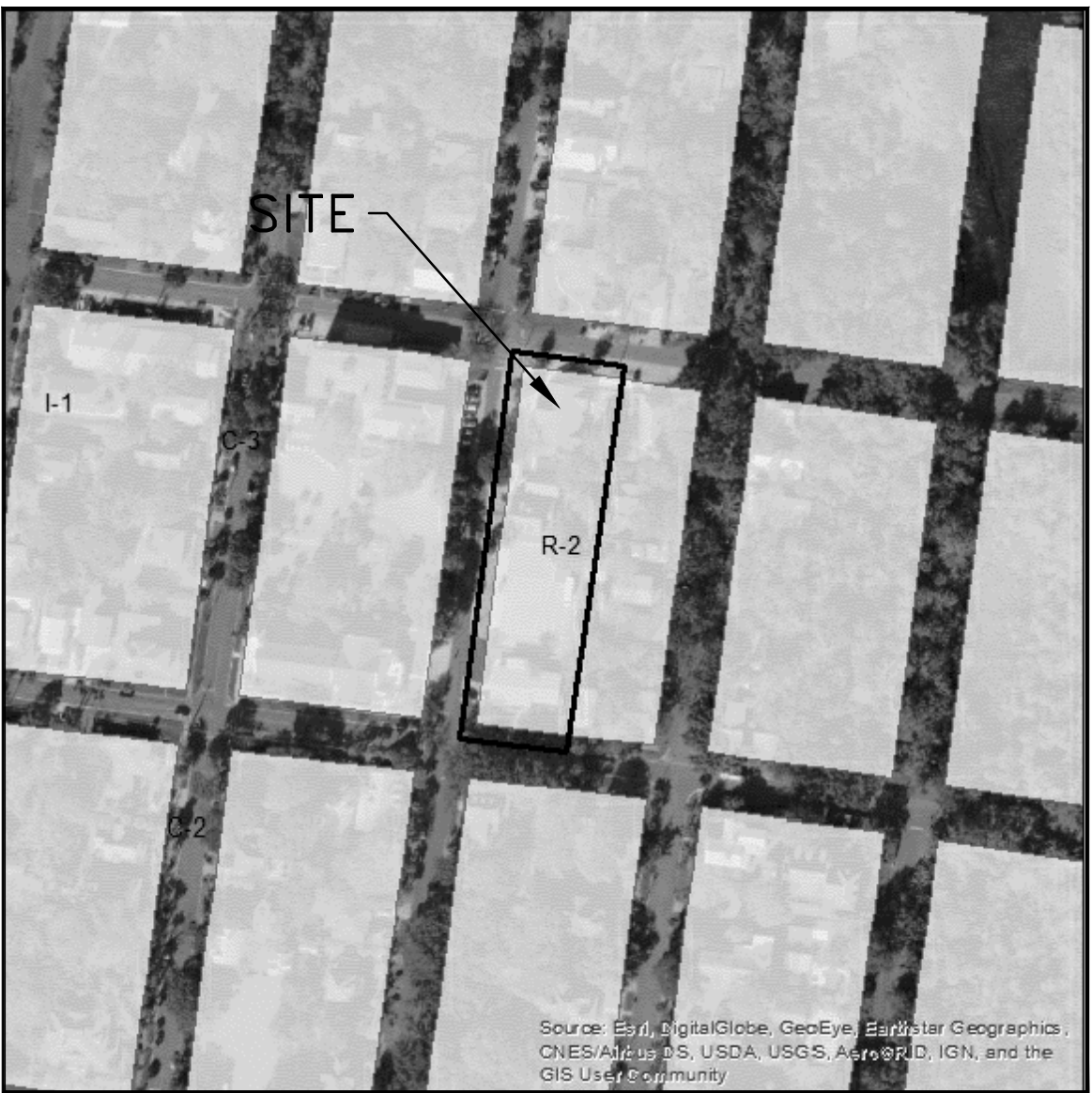
LAND USE TABLE:

	ACREAGE	PERCENTAGE
PROPOSED IMPROVEMENTS:		
BUILDING(S)	.023 AC	3.33%
PAVEMENT & SIDEWALK	.310 AC	45.0%
LANDSCAPE/OPEN SPACE	.356 AC	51.7%
TOTAL PERVIOUS	.356 AC	51.7%
TOTAL IMPERVIOUS	.333 AC	48.3%



VICINITY MAP

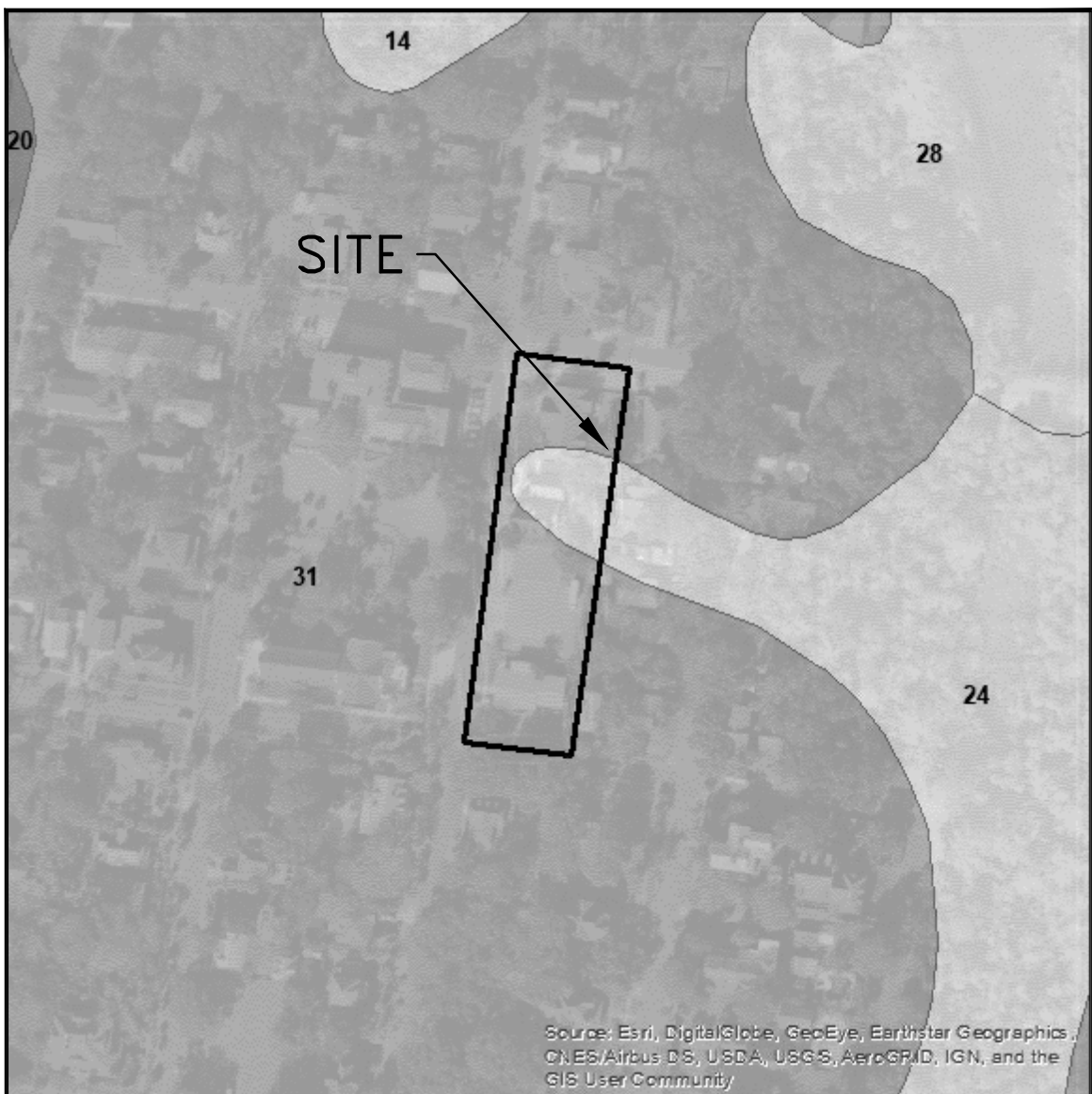
SCALE: 1" = 1000'



ZONING MAP

SCALE: 1" = 200'

CURRENT ZONING FOR THIS SITE IS: R-2



SOILS MAP

SCALE: 1" = 200'

THE SITE LIES WITHIN THE FOLLOWING NASSAU COUNTY SOIL CLASSIFICATIONS:
17-URBAN LAND; 20-ORTEGA FINE SAND, 0 TO 5 PERCENT SLOPES; 24-KINGSFERRY FINE SAND; 31- KERSHAW FINE SAND, 2 TO 8 PERCENT SLOPES



FLOOD ZONE MAP

SCALE: 1" = 200'

THE PROPERTY LIES IN:
FLOOD ZONE X PER FEMA MAPS 12089C0237G EFFECTIVE 8/2/2017

SHEET INDEX:

C1 COVER SHEET
C2 CONSTRUCTION NOTES
C3 DEMOLITION & EROSION CONTROL PLAN
C4 GEOMETRY, SIGNAGE & STRIPING PLAN(S)
C5 PAVING, GRADING & DRAINAGE PLAN(S)
C6-C8 CONSTRUCTION DETAILS

TP1 TREE PROTECTION PLAN
LA1 LANDSCAPE PLAN

LEGAL DESCRIPTION:

ALL OF THAT CERTAIN LOT, PIECE OR PARCEL OF LAND, LYING AND BEING IN THE CITY OF FERNANDINA BEACH (FORMERLY NAMED FERNANDINA), NASSAU COUNTY, FLORIDA, AS SHOWN ON THE OFFICIAL PLAT OF SAID CITY (AS LITHOGRAPHED AND ISSUED BY THE FLORIDA RAILROAD COMPANY IN 1857 AND ENLARGED, REVISED AND REISSUED BY THE FLORIDA TOWN IMPROVEMENT COMPANY IN 1887 AND 1901) KNOWN AND DESCRIBED AS FOLLOWS:

LOTS 1,2,3,4,5,6,7 & 16, BLOCK 32.



CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL
PLANNING
TRANSPORTATION

NO. DATE BY SUBMITTALS/REVISIONS

SMCC PARKING LOT- PHASE 2
FINAL ENGINEERING PLANS
COVER SHEET

PROJECT NO: ZC 68003

DESIGNED BY: SHK

DRAFTED BY: SHK

CHECKED BY: KTR

DRAWING FILE: 01_68003COV
XREFS: 68003BAS_P12.DWG
XREFS: 68003SURV_P12.DWG

KRISTOPHER ROWLEY, P.E. NO. 84263
NOT VALID WITHOUT SEAL

SHEET: C1 OF 8

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY'S LAND DEVELOPMENT CODE REQUIREMENTS, STANDARD CONSTRUCTION DETAILS & STANDARD SPECIFICATIONS, LATEST EDITIONS.
- ALL DRAINAGE STRUCTURES AND OTHER IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.
- SHOP DRAWINGS AND CERTIFICATIONS FOR ALL MATERIALS AND STRUCTURES ARE REQUIRED. THE CONTRACTOR SHALL REVIEW AND SIGN SHOP DRAWINGS. THE CONTRACTOR SHALL SUBMIT REVIEWED SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING THE MATERIALS REQUIRED FOR CONSTRUCTION.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL REQUIRED PERMITS. THE CONTRACTOR SHALL MAINTAIN COPIES OF ALL RELEVANT PERMITS AND CONSTRUCTION DOCUMENTS AVAILABLE ON THE JOB SITE AT ALL TIMES.
- CONTRACTOR TO MAINTAIN THE SITE IN A SAFE AND SECURE MANNER TO PROTECT PUBLIC SAFETY AND THE CONDITIONS OF THE IMPROVEMENTS.
- THE CONTRACTOR SHALL MAINTAIN, AT THE JOB SITE, A RECORD COPY OF ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS ON WHICH ALL FIELD CHANGES ARE TO BE SHOWN. THESE CHANGES ARE TO BE INCORPORATED IN THE "AS-BUILT" SURVEY FURNISHED TO THE ENGINEER.
- SHOULD CONDITIONS VARY FROM THOSE SHOWN ON THESE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD PRIOR TO CONTINUING CONSTRUCTION.
- ANY FIELD MODIFICATIONS OR DEVIATIONS TO THESE CONSTRUCTION PLANS REQUIRES APPROVAL BY BOTH THE ENGINEER OF RECORD AND THE CITY PRIOR TO PERFORMING THE WORK.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AN "AS-BUILT" SURVEY OF THE COMPLETED CONSTRUCTION. THE "AS-BUILT" SURVEY SHALL BE PREPARED IN ACCORDANCE WITH APPROPRIATE GOVERNMENTAL REGULATIONS AND ZCA REQUIREMENTS. THE "AS-BUILT" SURVEY SHALL BE PREPARED ON ZCA'S DESIGN/PERMITTED PLANS. ELECTRONIC AND PAPER COPIES OF THE AS-BUILT SURVEY SHALL BE PROVIDED TO THE ENGINEER OF RECORD. THE "AS-BUILT" SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL LAND SURVEYOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC SAFELY THROUGH THE WORK ZONE AT ALL TIMES, IF APPLICABLE. ANY SIDEWALK, LANE OR ROAD CLOSURE REQUIRES REVIEW AND APPROVAL IN ADVANCE AND A SEVEN (7) DAY MINIMUM NOTICE TO THE JURISDICTIONAL AGENCY/NASSAU COUNTY TRAFFIC OPERATIONS (386-239-6535). THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REQUIRED COORDINATION.
- MAINTENANCE OF TRAFFIC WILL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS, LATEST EDITIONS.
- CONTRACTOR TO NOTIFY THE REGULATORY AGENCIES FORTY EIGHT (48) HOURS PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL SEND COPIES OF ALL TESTING REPORTS TO THE REGULATORY AGENCIES AND THE ENGINEER OF RECORD.
- SURVEY INFORMATION PROVIDED BY MANZIE & DRAKE LAND SURVEYING DATED 10/01/19. ALL ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) / NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND ARE SHOWN IN FEET. STATE PLANE COORDINATES ARE BASED UPON NAD 88.
- ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED. THE CONTRACTOR SHALL EMPLOY A SURVEYOR, REGISTERED IN THE STATE OF FLORIDA, TO REPLACE/RESTORE ANY PROPERTY OR LAND MARKERS DISTURBED BY CONSTRUCTION ACTIVITIES.
- NO LAND SHALL BE CLEARED, EXCAVATED OR FILLED AND NO STRUCTURES SHALL BE ERECTED, REPAIRED OR DEMOLISHED WITHOUT PROPER PERMIT(S).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS AS WELL AS THE REQUIREMENTS OF ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND E.P.A. (NPDES). CONTRACTOR SHALL ESTABLISH BEST MANAGEMENT PRACTICES AND EROSION CONTROL METHODS PRIOR TO COMMENCING ANY SITE CLEARING OR DEMOLITION AND SHALL MAINTAIN THOSE BARRIERS UNTIL FINAL ACCEPTANCE OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROJECT'S NPDES **PERMITTING**, INSPECTION AND REPORTING, IF APPLICABLE.
- THE EROSION, SEDIMENT AND TURBIDITY CONTROL MEASURES DELINEATED HEREON ARE THE MINIMUM REQUIRED. ADDITIONAL CONTROLS MAY BE NEEDED, DEPENDING UPON THE ACTUAL SITE CONDITIONS. JURISDICTIONAL AGENCY PERMIT REQUIREMENTS AND CONSTRUCTION OPERATIONS. STAKED SILT FENCE SHALL BE UTILIZED TO CONTROL EROSION AND RELEASE OF SUSPENDED SOLIDS. SEDIMENT TRAPPING CONTROL DEVICES SHALL BE USED TO PREVENT THE OFFSITE TRANSPORT OF SEDIMENT BY MOTORIZED VEHICLES. IF CONTROL MEASURES DO NOT PROVE SATISFACTORY, WORK SHALL CEASE UNTIL NEW MEASURES ARE ADOPTED WITH SATISFACTORY RESULTS.
- ALL EROSION AND SEDIMENT TRACKING CONTROL DEVICES SHALL BE INSPECTED DAILY AND IMMEDIATELY FOLLOWING A RAINFALL EVENT. REFER TO PROJECT'S STORMWATER POLLUTION PREVENT PLAN (SWPPP). ANY DEFICIENCIES FOUND IN THE EROSION CONTROL MEASURES SHALL BE REPAIRED IMMEDIATELY. THE CONTRACTOR SHALL KEEP A LOG BOOK DOCUMENTING THESE DAILY INSPECTIONS, DEFICIENCIES AND REMEDIAL ACTIONS.
- ALL UNSUITABLE SOILS AND UNSUITABLE MATERIALS (SUCH AS CLAY, ORGANICS, ROCK, CEMENTED COQUINA, DEBRIS, ETC) SHALL BE REMOVED, DISPOSED OF IN A LEGAL MANNER AND REPLACED WITH DRY COMPACTED GRANULAR MATERIAL SATISFACTORY TO THE CITY. THE COST OF ALL WORK AND MATERIALS IS TO BE INCLUDED IN THE UNIT PRICE OF THE ASSOCIATED CONSTRUCTION ITEMS UNLESS OTHERWISE SHOWN IN THE PLANS.
- IN THE EVENT THAT WATER IS ENCOUNTERED DURING CONSTRUCTION, DOWATERING SHALL BE PERFORMED AS NEEDED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, PERMITTING, INSTALLATION, OPERATION AND SUBSEQUENT REMOVAL OF DOWATERING SYSTEMS AND THEIR SAFETY AND CONFORMITY WITH APPLICABLE CODES AND REGULATIONS.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE ELECTRIC, CABLE, TELEVISION, ETC. COMPANIES TO DETERMINE THE TYPE AND LOCATION OF ALL UNDERGROUND FACILITIES IN THE AREA OF CONSTRUCTION.
- ALL UNDERGROUND UTILITIES HAVE BEEN LOCATED HORIZONTALLY AND VERTICALLY BASED ON THE BEST INFORMATION AVAILABLE AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL ELEVATIONS OF EXISTING UTILITIES (PUBLIC AND PRIVATE) SHOWN OR NOT SHOWN PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, DISRUPTION OF SERVICE OR CLARIFICATION OF UTILITY. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING NEAR OR CROSSING A UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND NOTIFY THE UTILITY COMPANIES OF ANY WORK THAT MAY BE REQUIRED TO EXCAVATE OR CROSS CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PAY FOR ANY REPAIR, RELOCATION OR TEMPORARY MEASURES NEEDED FOR EXISTING OR PROPOSED UTILITIES.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND AVOID ALL UTILITIES, OTHER STRUCTURES AND OBSTRUCTIONS BOTH ABOVE AND BELOW GROUND. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY PROVIDERS AT LEAST TWO (2) BUSINESS DAYS PRIOR TO ANY CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN UNINTERRUPTED SERVICE AT ALL SERVICE CONNECTIONS. THE MANNER IN WHICH THIS IS ACCOMPLISHED SHALL BE LEFT TO THE DISCRETION OF THE CONTRACTOR, SUBJECT TO THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS.
- ALL EXISTING DRAINAGE STRUCTURES AND UTILITIES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED IN PLANS.
- ALL STATIONS AND OFFSETS REFER TO CENTERLINE CONSTRUCTION UNLESS OTHERWISE NOTED IN PLANS.**
- THE LENGTH OF ALL DRAINAGE PIPES AND LOCATION OF ALL DRAINAGE STRUCTURES ARE APPROXIMATE. THE LOCATION OF THE DRAINAGE STRUCTURE SHALL DETERMINE THE LENGTH OF PIPE.
- THE TOP OF CASTING ELEVATIONS (TO) OF ALL STRUCTURES ARE SHOWN. HOWEVER, THE CONTRACTOR SHALL INSTALL ALL FRAMES SO AS TO PROVIDE A SMOOTH SURFACE FOR VEHICULAR AND/OR PEDESTRIAN TRAFFIC.
- CONTRACTOR SHALL CONFIRM PROPOSED TOP OF CASTING (TO) ELEVATIONS WILL ALLOW POSITIVE DRAINAGE TO PROPOSED DRAINAGE STRUCTURES. IF POSITIVE DRAINAGE DOES NOT EXIST, CONTRACTOR TO COORDINATE WITH ENGINEER OF RECORD FOR SOLUTION AND ADJUST PROPOSED INLETS AS NECESSARY.
- CONTRACTOR SHALL CONFIRM ELEVATION OF EXISTING GRADE PRIOR TO EXISTING DRAINAGE OUTFALL STRUCTURES. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD IF EXISTING GRADE DOES NOT MATCH PROPOSED OUTFALL INVERT. CONTRACTOR SHALL ADJUST OUTFALL STRUCTURE INVERT AND/OR STRUCTURE LOCATION AS DIRECTED BY ENGINEER OF RECORD.
- ANY DRAINAGE PROBLEMS CREATED BY CONSTRUCTION, OR EXISTING BEFORE CONSTRUCTION AND NOT ALLEVIATED, SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD AT THE TIME OF DISCOVERY.
- ALL STORMWATER PIPES AND INLETS SHALL BE CLEANED OF DEBRIS AND ERODED MATERIALS AT LAST STAGES OF AND PRIOR TO COMPLETION OF CONSTRUCTION.
- SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES MAY EXTEND INTO THE STABILIZED PORTION OF THE ROADBED. EXTREME CAUTION WILL BE NECESSARY DURING COMPACTION AND STABILIZATION OPERATIONS AT THESE LOCATIONS TO AVOID DAMAGE AND ACHIEVE THE REQUIRED COMPACTION.
- DURING CONSTRUCTION, AN ALL-WEATHER ACCESSIBLE ROADWAY SHALL BE MAINTAINED AT ALL TIMES FOR FIRE ACCESS.

GENERAL NOTES

- NONE OF THE EXISTING LIMEROCK BASE THAT IS REMOVED IS TO BE USED IN THE CONSTRUCTION OF THE NEW LIMEROCK BASE UNLESS OTHERWISE NOTED ON PLANS.**
- EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH WITH THE SAME TYPE OF MATERIAL, UNLESS OTHERWISE SHOWN IN THE PLANS.
- ALL RAMPS, SIDEWALKS AND ACCESSIBLE ROUTES ARE TO BE IN COMPLIANCE WITH CURRENT A.D.A. REQUIREMENTS.
- SIGNS THAT ARE REMOVED AND ARE TO BE RELOCATED SHALL BE STOCK PILLED BY THE CONTRACTOR. ALL EXISTING SIGNS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS COST.
- ROADWAY AND PARKING SIGNAGE AND MARKINGS SHALL BE IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
- GRADES SHOWN ARE FINISHED GRADES.
- OPERATION AND MAINTENANCE OF THE STORMWATER SYSTEM WILL BE PROVIDED BY THE OWNER OF PROPERTY. MAINTENANCE IS TO INCLUDE BI-WEEKLY MOWING OF SIDE SLOPES FOR VEGETATION CONTROL AND MONTHLY INSPECTION/CLEANING OF CULVERTS & STORM SYSTEMS.
- ALL DISTURBED AREAS SHALL BE SODDED, UNLESS OTHERWISE SHOWN, AND SHALL HAVE SOD/VEGETATED COVER ESTABLISHED PRIOR TO THE INSPECTION FOR THE CERTIFICATE OF OCCUPANCY.
- INSTALLATION OF THE REQUIRED STREET SIGNS, TRAFFIC SIGNS, PAVEMENT STRIPING, STREET LIGHTS AND SIDEWALKS ALONG WITH THE PAINTING OF THE FIRE HYDRANTS MUST BE COMPLETED PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF COMPLETION.
- CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND PRE-TESTING PRIOR TO SCHEDULING A TEST OR WALK-THROUGH WITH THE UTILITY REPRESENTATIVES, MUNICIPAL REPRESENTATIVES AND ENGINEER OF RECORD. ANY COST ASSOCIATED WITH RETESTING SHALL BE PAID FOR BY THE CONTRACTOR.
- THE ENGINEER OF RECORD AND LOCAL UTILITY SHALL BE GIVEN SEVENTY-TWO (72) HOURS NOTICE OF ALL REQUESTED MEETINGS AND/OR TESTING MEASURES.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE REGULATORY REPRESENTATIVES TO DETERMINE THE INSPECTIONS NEEDED FOR THE PROJECT. CONTRACTOR SHALL PROVIDE PROPER NOTIFICATION TO INSPECTING AUTHORITIES BEFORE AND DURING CONSTRUCTION.

EROSION & SEDIMENT CONTROL NOTES

- ALL CONSTRUCTION ACTIVITIES SHALL INCORPORATE BEST MANAGEMENT PRACTICES (BMP'S) TO CONTROL EROSION, SEDIMENTATION, AND THE POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. CONTRACTOR SHALL MAINTAIN THE DISTURBED AREAS WITHIN THE PROJECT PERIMETER AND ADJACENT EXISTING DRAINAGE PATTERNS TO THE MAXIMUM EXTENT PRACTICAL DURING THE CONSTRUCTION PROCESS.
- SILT FENCES AND TURBIDITY BARRIERS SHALL BE INSTALLED ON SITE AND APPROVED BY THE CITY PRIOR TO CONSTRUCTION, AND SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AND CORRECTIVE ACTION TAKEN AS NECESSARY.
- STORMWATER RETENTION, DETENTION, STORAGE AND CONVEYANCE SYSTEMS MUST BE EXCAVATED TO ROUGH GRADE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THE AREA SERVED BY THOSE SYSTEMS. ADEQUATE MEASURES MUST BE TAKEN TO PREVENT SILTATION OF THESE TREATMENT SYSTEMS AND CONTROL STRUCTURES DURING CONSTRUCTION. SILTATION MUST BE REMOVED FROM THE STORMWATER SYSTEM WHEN HALF FULL AND IMMEDIATELY PRIOR TO FINAL GRADING AND GRASSING OF THE PROJECT.
- DURING ALL CONSTRUCTION OF THE PERMITTED SYSTEM INCLUDING STABILIZATION AND REVEGETATION OF DISTURBED SURFACES, CONTRACTOR IS RESPONSIBLE FOR THE SELECTION, IMPLEMENTATION, AND OPERATION OF ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO RETAIN ALL SEDIMENT ONSITE AND PREVENT VIOLATIONS OF THE WATER QUALITY STANDARDS IN ACCORDANCE WITH THE FLORIDA ADMINISTRATIVE CODE AND OTHER SPECIFICATIONS.
- THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN A PROTECTIVE COVER (VEGETATIVE OR SUITABLE ALTERNATIVE) FOR EROSION AND SEDIMENT CONTROL ON ALL LAND SURFACES EXPOSED OR DISTURBED BY CONSTRUCTION OF THE PERMITTED PROJECT, UNLESS MODIFIED BY ANOTHER CONDITION OF THE PERMIT OR OTHERWISE SPECIFIED ON A DISTRICT APPROVED EROSION AND SEDIMENT CONTROL PLAN. THE PROTECTIVE COVER MUST BE INSTALLED WITHIN FOURTEEN (14) DAYS AFTER FINAL GRADING OF THE AFFECTED LAND SURFACE. A PERMANENT VEGETATIVE COVER MUST BE ESTABLISHED WITHIN 60 DAYS OF ITS INSTALLATION. THE PERMITTEE'S REQUIREMENT TO MAINTAIN COVER ON OFFSITE AND ONSITE SURFACES SHALL NOT BE COMPLETE UNTIL AFTER THE WATER MANAGEMENT DISTRICT RECEIVES THE PERMITTEE'S STATEMENT OF COMPLIANCE.
- AT A MINIMUM, EROSION AND SEDIMENT BARRIERS SHALL BE INSTALLED PER PLAN. ADDITIONAL BMP MEASURES MUST BE TAKEN TO MINIMIZE IMPACTS OF RECEIVING WATERS SUCH AS THE USE OF APPROVED BARRIERS AT INLETS, ADDITIONAL SILT FENCING, SILT ANTI-TRACKING DEVICES AND SODDING.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE PROJECT LIMITS IN COMPLIANCE WITH ALL JURISDICTIONAL PERMIT AND CITY REQUIREMENTS.
- ANY TIME THE CONTRACTOR NEEDS TO SUBMIT A NOTICE OF INTENT TO USE A GENERAL PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES, A COPY OF THE PERMIT SHALL ALSO BE SUBMITTED TO THE CITY ENGINEER OF RECORD.
- THE CONTRACTOR SHALL AS A MINIMUM PREPARE AND IMPLEMENT AN EROSION AND SEDIMENT CONTROL PLAN IN ACCORDANCE WITH FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) GUIDELINES.
- DOWATERING ACTIVITIES SHALL BE APPROVED BY THE CITY BEFORE DISCHARGING INTO THE CITY'S M&S SYSTEM.

TRAFFIC CONTROL NOTES

- CONTRACTOR SHALL PERFORM ALL PROJECT WORK IN ACCORDANCE WITH FDOT DESIGN STANDARDS, LATEST EDITION. NIGHT WORK MAY BE SCHEDULED TO LESSEN TRAFFIC IMPACT & INCONVENIENCE TO GENERAL PUBLIC AND MUST BE APPROVED BY CITY ENGINEER PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL OBTAIN PRIOR APPROVAL OF MAINTENANCE OF TRAFFIC (MOT) PLANS FOR ANY LANE CLOSURES FROM THE CITY TRAFFIC ENGINEERING DIVISION AT LEAST TWO (2) WEEKS IN ADVANCE OF ANY LANE CLOSURE.
- EXISTING SIGNING AND PAVEMENT MARKINGS TO BE MAINTAINED UNLESS SHOWN OTHERWISE IN THESE PLANS.
- TWO (2) WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT ENTIRE LENGTH OF PROJECT.
- THE LAKE EXCAVATION.
- TWO (2) WAY ACCESS TO PRIVATE DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY DRIVEWAY CLOSURES MAY BE ALLOWED IF SHARED ACCESS IS AVAILABLE OR IF WRITTEN AUTHORIZATION FROM THE PROPERTY OWNER IS PROVIDED TO CITY PRIOR TO COMMENCEMENT OF WORK ACTIVITIES.
- VARIOUS M&S 48 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ADEQUATE NUMBER OF BOARDS AND LOCATIONS, TO BE VERIFIED PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR TO MAINTAIN TRAFFIC AND PROPER DROP OFF CRITERIA PER INDEX 600. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING PROPER DEVICES WHEN A DROP OFF CONDITION CANNOT BE AVOIDED.
- THE CITY TRAFFIC ENGINEERING DIVISION SHALL BE NOTIFIED BY THE CONTRACTOR TO NOTIFY THE GENERAL PUBLIC AND PUBLIC AGENCIES OF ROAD CLOSURES AT LEAST 48 HOURS IN ADVANCE.
- AFFECTED ROADWAYS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS.

SITE CLEARING AND GRADING NOTES

- THE FOLLOWING REPRESENTS MINIMUM STANDARDS TO BE ADHERED TO BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION OF A PROJECT. THE CITY RESERVES THE RIGHT TO REQUIRE ADDITIONAL MEASURES TO BE EMPLOYED WHEN WARRANTED BY EXTREME CONDITIONS AND/OR THE FAILURE OF THE CONTRACTOR TO EMPLOY THE APPROPRIATE EROSION CONTROL BEST MANAGEMENT PRACTICES. FAILURE TO COMPLY WITH THESE PROVISIONS SHALL RESULT IN THE ISSUANCE OF A "STOP WORK ORDER".
- NO DISTURBANCE OF EXISTING OR PROPOSED CONSERVATION EASEMENTS, NATURAL BUFFERS, OR WATER BODIES IS PERMITTED WITHOUT PRIOR APPROVAL FROM THE CITY ENGINEER OR DESIGNER. THE CONTRACTOR SHALL LOCATE THESE AREAS AND AVOID ANY UNLAWFUL CLEARING, BARBICADES AND OTHER PROTECTIVE FENCING ARE TO BE LOCATED AT THE DRIP LINE OF EXISTING NATIVE TREES OR AT THE EDGE OF THE NATIVE UNDER-STORY HABITAT, WHICHEVER IS NEAREST TO THE CONSTRUCTION ACTIVITY.
 - SPECIMEN AND HISTORIC TREES, CONSERVATION EASEMENTS, NATURAL VEGETATION BUFFERS, AND SIMILAR AREAS SHALL BE PROTECTED BY CLEARING BARRICADES ARE TO BE SET AT THE DRIP LINE OF THE TREES AND MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. BARBED WIRE IS NOT PERMITTED AS A PROTECTIVE BARRIER.
 - WHERE A CLEAR WIRE IS REQUIRED AT THE DRIP LINE OF A SPECIMEN TREE, SILT FENCE WILL BE REQUIRED DURING CONSTRUCTION AND RETAINING WALLS MUST BE INSTALLED PRIOR TO FINAL ACCEPTANCE BY THE CITY.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL PROTECTIVE VEGETATION BARRICADES AND EROSION CONTROL STRUCTURES AND MEASURES IN PLACE PRIOR TO THE COMMENCEMENT OF ANY EARTHWORK, INCLUDING PRELIMINARY GRADING.
 - CONSTRUCTION FENCES, SYNTHETIC JUTE BALES, SILT FENCES, AND FLOATING TURBIDITY BARRIERS. FURTHER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL EROSION CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT.
 - PRIOR TO THE INSTALLATION OF ANY FILL MATERIAL ON SUBJECT SITE, SILT FENCE SHALL BE INSTALLED: a. ALONG SUBJECT SITE BOUNDARY AND PROPERTY LINES. b. AROUND THE PERIMETER OF EXISTING STORM WATER TREATMENT FACILITIES. c. AT ANY ADDITIONAL AREAS THAT THE CITY DEMS NECESSARY TO BE PROTECTED FROM POTENTIAL EROSION IMPACTS DURING THE ENTIRE PROJECT. THESE CONDITIONS SHALL APPLY IN BARRICADES WHERE SET MATERIAL IS BEING INSTALLED WITHIN 25 FEET OF ANY OF THE FOREMENTIONED LOCATIONS, WHILE THESE ITEMS REPRESENT THE MINIMUM REQUIREMENTS, THE CITY RESERVES THE RIGHT TO IMPOSE ADDITIONAL PROTECTIVE MEASURES, AS DETERMINED DURING ACTUAL SITE VISITS CONDUCTED AS PART OF THE STANDARD REVIEW OF THE SITE-SPECIFIC CLEARING PERMIT AND THROUGHOUT PROJECT CONSTRUCTION.
 - WHERE FILL MATERIAL IS INTENDED TO BE INSTALLED ADJACENT TO EXISTING VEGETATION WHICH IS INTENDED TO REMAIN NATURAL, THE CONTRACTOR MAY INSTALL SILT FENCING AS A TREE PROTECTION MEASURE, IN LIEU OF INSTALLING EITHER WOOD BRACING OR ORANGE MESH FENCING. THIS PRACTICE IS ENCOURAGED BY THE CITY, IF THE SILT FENCE FAILS TO PROVIDE ADEQUATE PROTECTION FROM IMPACT DUE TO CONSTRUCTION, THEN ADDITIONAL CONSTRUCTION FENCING OR WOOD BRACING SHALL BE REQUIRED.
 - AT A MINIMUM, THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS. GRASS COVERAGE IS TO BE ESTABLISHED WITHIN THIRTY DAYS.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR THROUGH SCHEDULING, TO MINIMIZE THE DISTURBANCE OF SITE AREAS THAT HAVE BEEN BROUGHT TO THEIR PROPOSED FINAL GRADE, WITHIN TWENTY DAYS OF BRINGING A SUBJECT AREA TO ITS FINAL GRADE. THE CONTRACTOR SHALL INSTALL SEED AND MULCH OR SOD AND WATERING, AS REQUIRED.

SITE CLEARING AND GRADING NOTES (CONT)

- FOR INDIVIDUAL CONSTRUCTION PROJECTS INVOLVING MULTIPLE PHASES, UPON COMPLETION OF EACH PHASE OF THE PROJECT, SEEDING AND MULCHING AND OR/ SODDING IS TO BE PERFORMED PRIOR TO COMMENCING THE NEXT PHASE OF CONSTRUCTION.
- ONCE AN AREA IS SEEDDED OR SODDED, IT MUST BE MAINTAINED, INCLUDING WATERING AND TRIMMING BY THE CONTRACTOR TO ALLOW THE GRASS TO BECOME ESTABLISHED.
- ANY BURNING OF CLEARED MATERIALS MUST BE INSPECTED AND PERMITTED ON A DAILY BASIS THROUGH THE FL FOREST SERVICE.
- ABSOLUTELY NO BURYING OF CLEARED & GRUBBED MATERIALS IS PERMITTED.
- THE REMOVAL OF ALL VEGETATION AND TOPSOIL ON THE FUTURE ROADWAY, PARKING AND BUILDING LOT AREAS IS REQUIRED TO BE COMPLETED PRIOR TO THE PLACEMENT OF FILL ON THESE AREAS. THE TOPSOIL MAY BE TEMPORARILY STOCKPILED AND USED AS TOPSOIL OVER PROPOSED GREEN AREAS SUCH AS PLANT BEDS, SODDED AREAS, AND WHERE TREES ARE TO BE INSTALLED OR RELOCATED. TEMPORARY STOCKPILE SLOPES SHALL NOT EXCEED 4:1 (H:V).
- A SIGNED, DATED, AND SEALED LETTER FROM A SOILS ENGINEER OR THE ENGINEER OF RECORD CERTIFYING THAT THE AREAS TO BE FILLED HAVE BEEN STRIPPED OF ORGANIC MATERIALS, MUST BE SUBMITTED TO THE CITY PRIOR TO FILLING.
- FILL MATERIAL IS TO BE PLACED IN ONE FOOT LIFTS AND COMPACTED TO THE APPROPRIATE DENSITY (98% FOR PAVED AREAS AND 95% FOR BUILDING PADS AND ALL OTHER AREAS AS PER MODIFIED AASHTO T-180).
- DURING SUBDIVISION DEVELOPMENT WHEN FUTURE BUILDING LOTS ARE FILLED AS PART OF THE OVERALL SUBDIVISION IMPROVEMENTS, COMPACTION TEST REPORTS MUST BE PERFORMED ON THESE LOTS AT 300' INTERVALS. THESE TESTS ARE TO BE PERFORMED IN 1' VERTICAL INCREMENTS. THE RESULTS OF THESE TESTS ARE TO BE SUBMITTED TO THE CITY UPON COMPLETION OF THE TESTS.
- IF ANY MUCK OR ANY UNSUITABLE MATERIAL IS DISCOVERED, IT SHALL BE REMOVED AND REPLACED WITH A SUITABLE MATERIAL THAT IS PROPERLY BACKFILLED, COMPACTED AND TESTED USING AASHTO T-180 MODIFIED PROCTOR METHOD.
- STOCKPILING IS NOT GENERALLY PERMITTED BY THE CITY. WHEN ALLOWED, STOCKPILES SHALL NOT EXCEED SIX FEET IN HEIGHT MEASURED FROM THE ORIGINAL GRADE. AT A MINIMUM, STOCK PILES THAT WILL REMAIN IN PLACE IN EXCESS OF FIVE DAYS SHALL BE COVERED OR WATERED TO MINIMIZE THE ADVERSE IMPACT ON ADJACENT PROPERTY OWNERS AT NO ADDITIONAL COST TO THE CITY OR OWNER. SEED AND MULCH IMMEDIATELY UPON PLACEMENT OF THE FINAL LIFT.
- SOILS ARE TO BE STABILIZED BY WATER OR OTHER MEANS DURING CONSTRUCTION. THIS IS INTENDED TO REDUCE SOIL EROSION AND THE IMPACT TO NEIGHBORING COMMUNITIES. ADEQUATE WATERING METHODS SHOULD BE EMPLOYED TO ALLOW DAILY COVERAGE OF THE ENTIRE LIMITS OF ALL AREAS THAT DO NOT HAVE AN ESTABLISHED VEGETATIVE COVER. METHODS TO BE EMPLOYED INCLUDE, BUT ARE NOT LIMITED TO, WATER TRUCKS, PERMANENT IRRIGATION SYSTEMS, TEMPORARY SPRINKLER SYSTEMS OPERATED BY PUMPING UNITS CONNECTED TO WET RETENTION POND, WATER CANNONS, TEMPERARY IRRIGATION SYSTEMS MOUNTED AOUT STOCKPILE AREAS, AND OTHER METHODS AS DEEMED NECESSARY BY THE CITY.
- ALL FILL MATERIALS LOCATED BENEATH STRUCTURES AND PAVEMENT SHALL CONSIST OF CLEAN GRANULAR SAND FREE FROM ORGANIC MATERIALS THAT COULD CAUSE CORROSION.
- ALL FILL TO BE PLACED IN LANDSCAPED AREAS SHALL HAVE A PH RANGE BETWEEN 5.5 AND 7.5, BE ORGANIC IN NATURE, FREE OF ROCKS AND DEBRIS, OR MATCH NATIVE EXISTING SOILS.

STORMWATER CONSTRUCTION NOTES

- ALL MATERIALS AND INSTALLATION AND SEDIMENT AND EROSION CONTROL METHODS USED FOR LAND DEVELOPMENT CODE REQUIRED IMPROVEMENTS FOR SUBDIVISIONS AND SITE PLANS SHALL BE IN CONFORMANCE WITH THE CITY, FDEP, FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), AND THE FDOT DESIGN STANDARDS (LATEST EDITION). THE USE OF BEST MANAGEMENT PRACTICES (BMP'S) IS REQUIRED.
- BEST MANAGEMENT PRACTICES (BMP'S) FOR EROSION AND SEDIMENT CONTROL SHALL BE PLANNED, DESIGNED AND IMPLEMENTED THROUGHOUT THE SITE DEVELOPMENT ENGINEERING AND CONSTRUCTION PHASES.
- ALL DOWATERING ACTIVITIES EITHER DIRECTLY DISCHARGED OR THAT SUBSEQUENTLY USE THE CITY'S STORMWATER SYSTEM TO CONVEY GROUND OR SURFACE WATER FROM A SITE SHALL REQUIRE A USE PERMIT. A PERMIT SHALL BE REQUIRED PRIOR TO ENGAGING IN ANY DOWATERING ACTIVITIES, OR IN ANY CONSTRUCTION ACTIVITIES. DOWATERING ACTIVITIES INCLUDE THE REMOVAL OF GROUND WATER FROM A CONSTRUCTION SITE, ENCLOSED VAULT, CONCRETE OR TRENCH ALLOWING FOR EROSION OR MAINTENANCE TO BE DONE IN THE DRY, OR ANY ACTIVITY WHICH CHANGES THE IMPERVIOUS AREA OF LAND.
- CONTRACTOR SHALL FOLLOW REQUIRED EROSION AND SEDIMENT CONTROL PRACTICES AND INCLUDE AN EROSION CONTROL PLAN FOR REVIEW AND CITY PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL CONFORM TO THE CITY'S EROSION AND SEDIMENT CONTROL STANDARD DETAILS.
- CONTRACTOR WILL FOLLOW ALL OF THE CITY'S REQUIRED WASTE MANAGEMENT PRACTICES. ALL CONSTRUCTION, RENOVATION, AND DEMOLITION SITES ARE TO BE KEPT CLEAN AND FREE OF REFUSE, DEBRIS, AND LITTER DURING THE CONSTRUCTION/RENOVATION/DEMOLITION PROCESS. A CERTIFICATE OF OCCUPANCY FOR A NEWLY CONSTRUCTED OR RENOVATED BUILDING SHALL NOT BE ISSUED UNTIL ALL REFUSE AND LITTER CAUSED BY THE CONSTRUCTION OR REMODELING IS REMOVED FROM THE SITE AS PER THE DAYTONA BEACH CODE OF ORDINANCES CHAPTER 28 SECTION 78-5 AND 78-8.
- ALL DEVELOPMENT PLANS SHALL BE CONSISTENT WITH THE CITY OF JACKSONVILLE LAND DEVELOPMENT CODE.
- PIPED STORMWATER SYSTEMS SHALL HAVE A MINIMUM DRAINAGE MAINTENANCE EASEMENT AND ACCESS WIDTH OF 20 FEET, AND MAY BE INCREASED DEPENDING UPON THE SIZE AND DEPTH OF PIPE.
- CONCRETE EROSION CONTROL BMP'S MUST BE PROVIDED WHERE SWALES OR CULVERTS INTERCEPT DRAINAGE DITCHES.
- SOIL EROSION AND SEDIMENT CONTROL BMP MEASURES, SATISFACTORY TO THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, FDEP AND THE CITY, SHALL BE EMPLOYED DURING CONSTRUCTION.
- IN GENERAL, ALL RETENTION/DETENTION SITES MUST BE CONSTRUCTED AND VEGETATED AS NECESSARY ON ALL PROJECTS PRIOR TO ANY ROAD, PARKING LOT, OR BUILDING CON-STRUCTION COMMENCING OR AS CURRENT PERMIT CONDITIONS DICTATE. SEWER AND WATER MAINS MAY BE INSTALLED PRIOR TO RETENTION/DETENTION SITE CONSTRUCTION IF DOWATERING IS NOT REQUIRED. HOWEVER BMP'S FOR EROSION AND SEDIMENT CONTROL WILL BE IMPLEMENTED AS NECESSARY.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ANY AND ALL DOWATERING PERMITS THAT MAY BE REQUIRED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW AND MAINTAIN A COPY OF THE SWRMD, NPDES, AND ALL OTHER JURISDICTIONAL PERMITS AT THE CONSTRUCTION SITE, AND ABIDE BY ALL CONDITIONS OF THOSE PERMITS.
- LANDSCAPE PLANS SHALL CLEARLY DEPICT THE DESIGN LOCATION OF TEMPORARY AND PERMANENT PLANTINGS RELATIVE TO THE LOCATION OF PUBLIC UTILITIES AND STORMWATER INFRASTRUCTURE IN ORDER TO EVALUATE POTENTIAL CONFLICTS.
- THE MAXIMUM PERMISSIBLE SLOPE OF ANY NEW SITE GRADING IS 1:3 (VERTICAL:HORIZONTAL). THIS LIMIT SHALL BE APPLIED TO ALL AREAS EXCEPT STORMWATER CONVEYANCE AND TREATMENT SYSTEMS WHICH HAVE A MAXIMUM SIDE SLOPE OF 1:4 (EXCEPT BELOW THE WATER TABLE WHERE STEEPER SLOPES ARE PERMISSIBLE).
- ALL SWALES AND DITCHES SHALL HAVE A MAXIMUM PERMITTED FRONT (SIDE) SLOPE NOT STEEPER THAN 1 TO 4. THE MAXIMUM PERMITTED BACK (SIDE) SLOPE, SHALL BE 1:3. PROVIDED THAT A 2' WIDE BERM IS INSTALLED. DESIGN CENTERLINE AND TOP-OF-BANK ELEVATIONS SHALL BE NOTED AT INTERVALS OF 100' AND AT SIGNIFICANT GRADE CHANGES.
- THE CITY MAY REQUEST THAT THE DEVELOPER SUBMIT A REPORT BY A QUALIFIED HYDROLOGIST OR HYDROGEOLOGIST ON THE IMPACT THE WET POND WILL HAVE ON NEIGHBORING WATER TABLE ELEVATIONS BOTH DURING CONSTRUCTION AND AFTER LAKE COMPLETION. THE CITY MAY REQUIRE GROUNDWATER MONITORING DURING CONSTRUCTION.
- OVERFLOW PLANS FOR ALL STORMWATER MANAGEMENT SYSTEMS SHALL CONTAIN POP- OFF DATA (OVERFLOW), BOTTOM ELEVATION, NORMAL WATER LEVELS, MEAN ANNUAL SEASONAL HIGH WATER TABLE ELEVATION, TREATMENT VOLUME AND CORRESPONDING ELEVATION, 100 YEAR HIGH WATER LEVELS, AND THE DESIGN TAILWATER ELEVATION (IF APPLICABLE).
- DEPTH OF COVER MEASURED TO THE TOP OF PIPE (INCLUDING THE BELL JOINT) SHALL BE A MINIMUM OF 3 FEET OVER RCP. DEVIATION FROM THIS REQUIREMENT MAY BE ALLOWED BY STRENGTH. IF AN ALTERNATE MATERIAL IS APPROVED, DEPTH RECOMMENDATION.
- ALL STORM DRAINAGE PIPES LOCATED IN ROADWAY RIGHT-OF-WAYS AND ROADWAY EASEMENTS MINIMUM OF FIFTEEN INCH (15") INSIDE DIAMETER OR EQUIVALENT. STORM DRAINAGE PIPES SMALLER THAN 15" ARE PERMITTED ON PRIVATE SITE PLANS PROVIDED THAT MAINTENANCE STORM INLETS, MANHOLES, AND CATCH BASINS SHALL BE FDOT COMPLIANT, EITHER POURED IN PLACE OR PRECAST REINFORCED CONCRETE. STRUCTURES SHALL BE REQUIRED AT EACH CHANGE OF PIPE SIZE OR CHANGE IN PIPE DIRECTION. ALL STRUCTURES SHALL BE IN COMPLIANCE WITH ASTM C-478 AND SHALL HAVE 6" THICK WALLS. THINNER WALLS MAY BE PERMITTED PROVIDING THAT THE DESIGN IS IN ACCORDANCE WITH FDOT STANDARD INDEX NO. 200 AND NO. 201. IN ADDITION, THIS REQUIREMENT MUST BE REFLECTED ON BOTH THE SHOP DRAWING AND AS-BUILT CONSTRUCTION IN ACCORDANCE WITH FDOT STANDARDS.
- STORM INLETS SHALL BE SPACED IN SUCH A MANNER AS TO ACCEPT ONE HUNDRED (100) PERCENT OF THE DESIGN STORM RUNOFF WITHOUT IMPEDING THE FLOW OF TRAFFIC. FOR ROADWAY SECTIONS WITH DESIGN SPEEDS OF 45 MPH AND LESS AND WITHOUT FULL WIDTH SHOULDERS, SPREAD RESULTING FROM A RAINFALL INTENSITY OF FOUR INCHES (4") PER HOUR
- INLET SPACING SHALL BE DESIGNED TO ACCEPT ONE HUNDRED (100) PERCENT OF THE RUNOFF FROM A RAINFALL INTENSITY OF FOUR INCHES (4") PER HOUR WITHOUT RESULTING IN PONDING OF WATER AROUND THE INLET.
- FOR CONNECTIONS BETWEEN INLETS WITH PIPING 15" IN DIAMETER AND LARGER, THE MAXIMUM DISTANCES BETWEEN INLETS AND / OR CLEAN-OUT JUNCTION BOXES SHALL BE 300 FEET. CULVERTS SHALL BE SLOPED TO MAINTAIN A MINIMUM SELF-CLEANING VELOCITY OF 2.5 FEET PER SECOND USING A MANNING'S 'N' OF 0.012.
- MUST BE MAINTAINED CLEAN-OUTS AND INLETS FOR SMALLER PIPING SHALL BE REDUCED AND EVALUATED ON A CASE BY CASE BASIS.
- STORMWATER INLETS SHALL MEET FDOT CRITERIA IN THE FDOT DESIGN STANDARD LATEST EDITION.
- WHERE A COVER WIRE SHALL BE TESTED FOR CONTINUITY UNDER SUPERVISION BY CITY REPRESENTATIVE AFTER INSTALLATION.
- ALL GASKETS SHALL BE LUBRICATED BEFORE BEING INSTALLED.
- ALL FITTINGS SHALL MEET THE MINIMUM RESTRAINED REQUIREMENTS PER ANSI/AWWA/DIPRA, AND ALL PRESSURE PIPES UNDER THE ROADWAY SHALL BE RESTRAINED.

ROADWAY CONSTRUCTION NOTES

- ALL MATERIALS AND INSTALLATION METHODS USED FOR LAND DEVELOPMENT CODE REQUIRED IMPROVEMENTS FOR SUBDIVISIONS AND SITE PLANS SHALL BE IN CONFORMANCE WITH THE CITY'S DESIGN STANDARDS, FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), AND THE FDOT DESIGN STANDARDS (LATEST EDITION).
- ALL RIGHT-OF-WAY OTHER THAN ROADWAY AREAS SHALL BE GRASSSED AND MULCHED OR SODDED. ALL SLOPES STEEPER THAN 6:1 SHALL REQUIRE SODDING. THE CITY RESERVES THE RIGHT TO REQUIRE SODDING IN SPECIAL AREAS WHERE EROSION IS A CONCERN.
 - THE FOLLOWING WILL BE THE STANDARD PROTECTION FOR DITCHES UNLESS DRAINAGE CALCULATIONS INDICATE OTHERWISE:

SWALE PROFILE GRADES

0.2% - 1.0%

1.0% - 4.0%

4.0% AND GREATER

PROTECTION REQUIRED

GRASSING AND MULCHING

SODDING

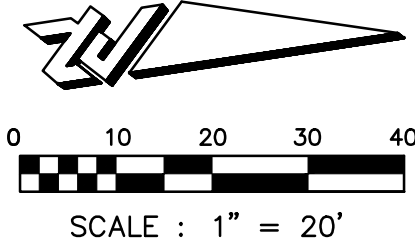
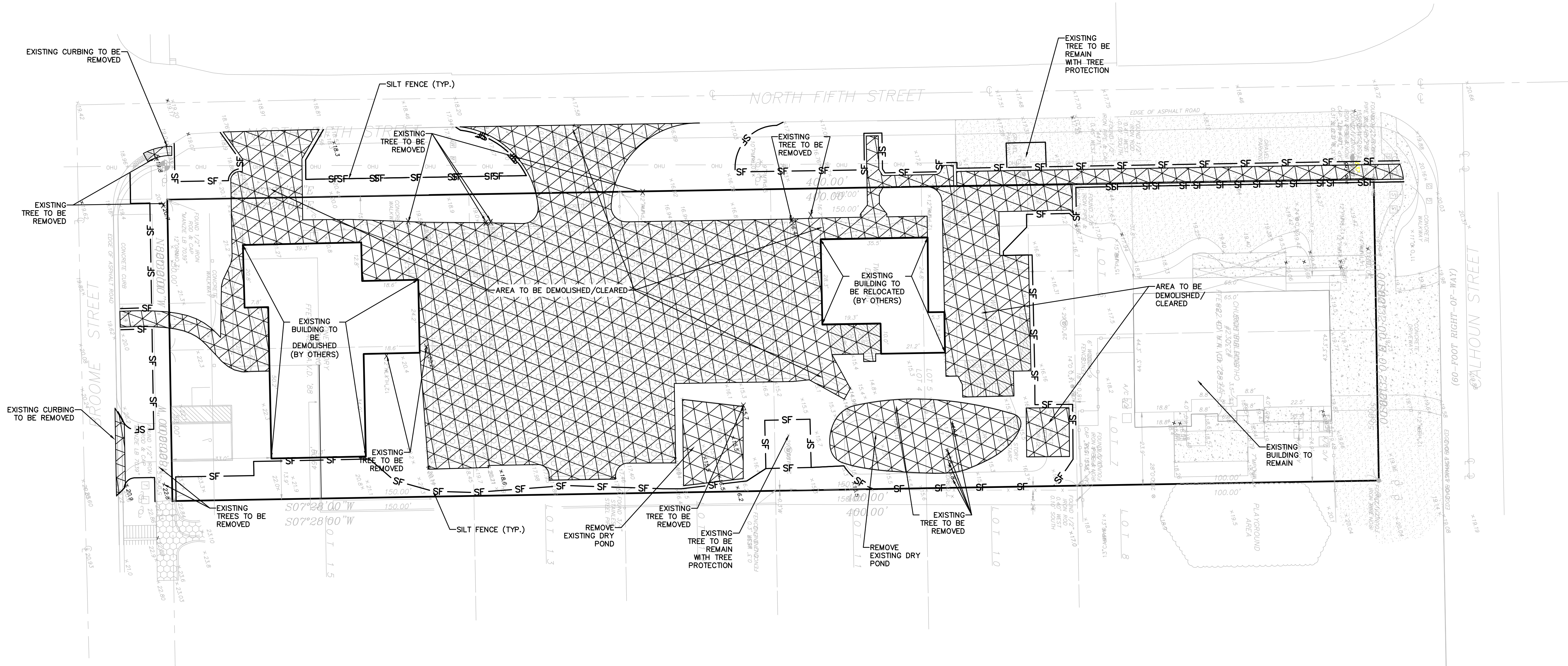
DITCH PAVING
 - THE PAVEMENT, BASE, AND SUBBASE THICKNESS PRESENTED ON DETAILS REPRESENTS THE MINIMUM REQUIREMENTS FOR LOCAL PUBLIC STREETS AND PRIVATE PARKING LOTS. THE CITY RESERVES THE RIGHT AT ITS' DISCRETION TO INCREASE THESE REQUIREMENTS FOR COLLECTOR AND ARTERIAL ROADWAYS AND PRIVATE PARKING LOTS SUBJECT TO THE CITY'S MINIMUM STANDARDS. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO ENSURE THAT COPIES OF ALL TEST REPORTS ARE PROVIDED TO THE CITY'S DESIGNATED SITE INSPECTOR PRIOR TO THE PROJECT FINAL INSPECTION IN ORDER TO ALLOW PROJECT ACCEPTANCE BY THE CITY.
 - THE LIMITS OF STABILIZED SUBBASE SHALL EXTEND TO A DEPTH OF TWELVE INCHES (12") BELOW THE BOTTOM OF THE BASE AND OUTWARD TO TWO INCHES (12") BEYOND THE CURB.
 - THE STABILIZING MATERIAL SHALL BE A HIGH BEARING VALUE SOIL, SAND-CLAY, LIMEROCK, RECYCLED CONCRETE, SHELL, OR OTHER MATERIAL AS APPROVED BY THE CITY'S ENGINEER OR DESIGNER AND A LICENSED SOILS ENGINEER.
 - COMPACTION, STABILITY AND DENSITY TESTING FOR PAVEMENT, BASE AND SUB-BASE ARE TO BE DONE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROADWAY & BRIDGE CONSTRUCTION, LATEST EDITION.
 - FOR ROADWAYS, TESTS FOR SUBBASE BEARING CAPACITY AND COMPACTION SHALL BE DONE AT A MINIMUM OF EVERY 300 FEET AND SHALL BE STAGGERED TO THE LEFT, RIGHT, AND AT CENTER LINE OF THE ROADWAY. FOR SITE PLANS, TEST SHALL BE PERFORMED FOR EVERY 600 SQUARE YARDS OF STABILIZED AREA, OR PORTIONS THEREOF.
 - CEMENT DELIVERY TICKETS SHALL BE PROVIDED TO THE CITY'S DESIGNATED SITE INSPECTOR AT THE TIME OF PLACEMENT. IF THE INSPECTOR IS NOT ON SITE THROUGHOUT THE ENTIRE INSTALLATION, ACCUMULATED DELIVERY TICKETS CAN BE PROVIDED TO THE INSPECTOR BY THE CONTRACTOR ON THE FOLLOWING DAY.
 - TESTING OF THE IN-PLACE BASE SHALL BE DONE AT INTERVALS EQUIVALENT TO SUBGRADE TESTING AND SHALL CONSIST OF, AS A MINIMUM, A MOISTURE CONTENT AND COMPACTION TEST.
 - PORTLAND CEMENT CONCRETE, LIMEROCK, RECYCLED CONCRETE, OR FULL DEPTH ASPHALT PAVEMENT MAY BE USED IN PLACE OF SOIL CEMENT BASE. ALL BASE AND ROADWAY DESIGNS SHALL BE SUBJECT TO THE APPROVAL OF THE CITY.
 - RECYCLED CONCRETE CAN BE USED AS A BASE MATERIAL PROVIDED THE MATERIAL IS A MINIMUM OF 60% CARBONATE OF CALCIUM AND MAGNESIUM. THE MATERIAL SHALL BE LIMITED TO MAXIMUM OF 3% OF WATER SENSITIVE CLAY MATERIAL, LIQUID LIMIT NOT EXCEED 35 AND BE NON-PLASTIC, AND THE PLASTICITY INDEX SHALL NOT EXCEED 10. THE MATERIAL SHALL NOT CONTAIN ORGANIC MATERIAL, CHERTY OR OTHER EXTREMELY HARD PIECES, LUNTING OR PORTIONS AT SAND SIZE MATERIAL. THE QUANTITY AS TO BE DETERMINAL TO THE PROPER BONDING, FINISHING, OR STRENGTH OF THE RECYCLED CONCRETE BASE. FOR BASE APPLICATIONS, AT LEAST 97% (BY WEIGHT) OF THE MATERIAL SHALL PASS A 1" SIEVE AND FOR SUBBASE APPLICATIONS, AT LEAST 97% (BY WEIGHT) OF THE MATERIAL SHALL PASS A 1-1/2" SIEVE. FOR BOTH APPLICATIONS, THE MATERIAL SHALL BE GRADED ONFINALLY TO MEET THE MINIMUM LBR VALUES ARE TO BE NOT LESS THAN 120. COARSE AGGREGATE USED IN THE RECYCLED CONCRETE SHALL HAVE A MAXIMUM LOSS OF 45% PER LOS ANGELES ABRASSION TEST. ALL MATERIALS SHALL BE WELL GRADED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN SECTION 204, F.D.O.T., STANDARD SPEC. FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION).
 - RECYCLED CONCRETE OR LIMEROCK FOR BASE OR SUBBASE SHALL BE ALLOWED ON CITY ROADWAYS ONLY WHERE THE LOWEST ELEVATION OF THE ROADWAY SUBBASE IS A MINIMUM OF 6" ABOVE THE SEASONAL HIGH GROUNDWATER TABLE AS CERTIFIED BY A FLORIDA LICENSED PROFESSIONAL SOILS ENGINEER AND SUBSEQUENTLY APPROVED FOR BY THE CITY. ALL GRADING OF RECYCLED CONCRETE SHALL BE DONE USING THE SAME MATERIAL BEING PLACED IN THE ROADWAY. TESTING SHALL HAVE THE SAME REQUIREMENTS AND BE PERFORMED AT THE SAME LOCATION AND INTERVALS AS REQUIRED FOR LIMEROCK.
 - DESIGN MIXES AND PRODUCT GRADATION INFORMATION FOR ALL MATERIALS TO BE INSTALLED AS PART OF THE LAND DEVELOPMENT CODE REQUIRED IMPROVEMENTS SHALL BE SUBMITTED TO THE CITY'S DESIGNATED SITE INSPECTOR FOR ACCEPTANCE BY THE CITY. THE INFORMATION SHALL BE SUBMITTED NO LESS THAN THREE (3) WORKING DAYS PRIOR TO ANY CONSTRUCTION. SUBMITTALS SHALL INCLUDE, BUT NOT BE LIMITED TO, INFORMATION TO EVALUATE THE MATERIALS PROPOSED FOR INSTALLATION AS SUBBASE, BASE, AND PAVEMENT FOR ALL ROADWAY AND PARKING AREA APPLICATIONS. SUBMITTALS SHALL ALSO INCLUDE INFORMATION FOR ALL OTHER CONCRETE SIDEWALKS, CURBING, AND COMPARABLE STRUCTURES AND APPLICATIONS.
 - PRIOR TO PLACEMENT FLORIDA STATE CERTIFIED BATCH PLANTS MUST CERTIFY TO THE CITY'S RESIDENT PROJECT INSPECTOR THAT THE ASPHALT DELIVERED TO THE SITE IS IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
 - EXTRACTION AND GRADATION TESTS ON ASPHALT MIXES SHALL BE PROVIDED TO THE CITY'S DESIGNATED SITE INSPECTOR FOR EVERY 2500 SQUARE YARDS OF ASPHALT, OR PART THEREOF, TO ENSURE THAT DESIGN MIXES ARE IN ACCORDANCE WITH THE CITY STANDARDS. SPECIFIC TO THE DESIGN MIXES, THE CITY MAY REQUIRE CORE SAMPLES OF ASPHALT PAVEMENT SHALL BE DONE AT INTERVALS EQUIVALENT TO SUBGRADE TESTING AND SHALL CONSMIST OF, AS A MINIMUM, A COMPACTION TEST, ASPHALT PAVEMENT SHALL BE COMPACTED TO 98% DENSITY PER FM 1-1166 (METHOD B), NUCLEAR DENSITY TEST, "BACKSCATTER METHOD".
 - IN ADDITION TO THE REQUIRED RESERVES, THE CITY MAY REQUIRE CORE SAMPLES OF PAVEMENT SECTIONS EXTRACTED AND TESTED BY A CERTIFIED SOILS ENGINEERING LABORATORY AT THE DEVELOPER'S EXPENSE. THE CITY'S DESIGNATED SITE INSPECTOR SHALL DESIGNATE THE LOCATIONS OF THE TEST CORE LOCATIONS.
 - THE FINISHED PAVEMENT EDGE SHALL BE WITHIN ONE EIGHTH INCH (1/8") ABOVE THE ADJACENT CONCRETE CURB FOR CURBS COLLECTING AND CONVEYING STORMWATER.
 - CONCRETE CURBS SHALL BE PROVIDED ON BOTH SIDES OF ALL STREETS AND ALL CONCRETE CURBS SHALL BE CONSTRUCTED WITH 3500 P.S.I. CONCRETE AT 28 DAYS.
 - CONCRETE CURBING AND SIDEWALKS, PAVEMENT AND LANDSCAPED CONCRETE AREAS SHALL BE SAW CUT WITHIN 4 TO 18 HOURS OF PLACEMENT. SAW CUTS SHALL BE 1/2" IN WIDTH TO A DEPTH OF ONE FORTH OF THE TOTAL DEPTH OF CONCRETE OR 1-1/2", WHICHEVER IS LESS. SAW CUTS SHALL BE LOCATED AT INTERVALS OF TEN FEET (10') FOR CURBING & FIVE FEET (5') FOR SIDEWALKS WITH EXPANSION JOINTS AT STREET INTERSECTIONS, RADIUS POINTS, STRUCTURES, AND ALONG CURVES AT SIXTY FEET (60') INTERVALS. JOINT MATERIAL IS REQUIRED TO BE INSTALLED THROUGH THE ENTIRE DEPTH OF THE CONCRETE CURB. FOR LINAL SECTIONS OF CURBS, EXPANSION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING OF FIVE-HUNDRED FEET (500') AND SHALL BE 1/2" IN WIDTH.
 - AN "X" SHALL BE CUT IN THE CURB TO MARK THE LOCATION OF WATER DISTRIBUTION SYSTEM VALVE.
 - A "Y" SHALL BE CUT IN THE CURB TO MARK THE LOCATION OF ALL SEWER SERVICES.
 - A "X" SHALL BE CUT IN THE CURB TO MARK THE LOCATION OF ALL POTABLE WATER SERVICES.
 - THREE (3) CONCRETE CYLINDERS SHALL BE TAKEN AND TESTED (1 IN 14 DAYS, 1 IN 28 DAYS & 1 IN 56 DAYS) FOR EVERY FIFTY (50) CUBIC YARDS OF CONCRETE. TEST RESULTS SHALL THEN BE PROVIDED TO THE CITY'S DESIGNATED SITE INSPECTOR AS THEY BECOME AVAILABLE.
 - A CONCRETE SLUMP TEST SHALL BE REQUIRED WITHIN THE FIRST 30 CUBIC YARDS OF CONCRETE. THEREAFTER, SLUMP TESTS SHALL BE REQUIRED FOR EVERY FIFTY (50) CUBIC YARDS OF CONCRETE, OR FRACTION THEREOF, WITH COPIES OF THE RESULTS PROVIDED TO THE CITY'S DESIGNATED SITE INSPECTOR. THE SLUMP TEST SHALL MEET THE REQUIRED MIX DESIGN ON EACH LOAD DELIVERED.
 - THE DEVELOPER SHALL PROVIDE ALL REQUIRED PAVEMENT MARKINGS ON ALL ROADWAYS PER CITY, COUNTY, AND STATE REQUIREMENTS. CENTERLINE STRIPES SHALL BE PROVIDED ON EXTENSIONS OF CITY COLLECTOR OR ARTERIAL ROADS, COUNTY ROADS, STATE HIGHWAYS, AND STATE HIGHWAYS WITHIN THE VICINITY OF THEIR INTERSECTION WITH THE ABOVE MENTIONED ROADWAYS.
 - A FDOT APPROVED STOP SIGN AND A 24"-WIDE WHITE THERMOPLASTIC STOP BAR ARE REQUIRED AT ALL ROADWAY INTERSECTIONS.
 - ALL TRAFFIC CONTROL DEVICES PLACED AT INTERSECTIONS, PRIVATE STREETS, PUBLIC STREETS, COUNTY ROADS, AND STATE HIGHWAYS WITHIN THE CITY LIMITS SHALL BE INSTALLED ACCORDING TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. THE MAINTENANCE-OF-TRAFFIC (MOT) INSTALLATION AND SUBSEQUENT OPERATION SHALL BE OVERSEEN BY A CONTRACTOR CERTIFIED BY THE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION, OR EQUIVALENT CERTIFICATION RECOGNIZED BY FDOT.
 - THE DEVELOPER IS RESPONSIBLE FOR PAYING FEES FOR TRAFFIC CONTROL DEVICES TO THE CITY FOR INSTALLATION. STREET SIGNS AND STOP SIGNS SHALL BE PLACED AT ALL INTERSECTIONS, INCLUDING BUT NOT LIMITED TO PRIVATE STREETS, PUBLIC STREETS, COUNTY ROADS, AND STATE HIGHWAYS WITHIN THE CITY LIMITS.
 - THE DEVELOPER IS RESPONSIBLE FOR PAYING FEES FOR ALL STREET LIGHTS PRIOR TO ACCEPTANCE OF THE PROJECT BY THE CITY.
 - CONSTRUCTION METHODS AND DESIGN FOR CONCRETE PAVEMENT SHALL CONFORM TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
 - ALL CONTRACTORS THAT ARE PERFORMING THE CONSTRUCTION OF LAND DEVELOPMENT CODE REQUIRED IMPROVEMENTS (INCLUDING WATER MAINS, SANITARY SEWER MAINS, RECLAIMED WATER MAINS, STORM WATER PIPES AND INLETS, ROADWAYS, AND PARKING FACILITIES) SHALL BE CERTIFIED WITH THE STATE OF FLORIDA BOARD OF PROFESSIONAL REGULATIONS (BPR) FOR THE TYPE OF WORK THAT THEY PERFORM.
 - ALL CONTRACTORS THAT ARE PERFORMING THE CONSTRUCTION WORK OF LAND DEVELOPMENT CODE REQUIRED IMPROVEMENTS SHALL BE LICENSED BY THE STATE OF FLORIDA AND REGISTERED WITH THE CITY OF JACKSONVILLE.
 - THE LICENSE AND REGISTRATION SHALL BE SUBJECT TO THE TRAFFIC WORKING CONDITIONS REQUIREMENTS.
 - EXCEPT AS PROVIDED IN THE LAND DEVELOPMENT CODE, ALL ELECTRIC, TELEPHONE, TELEVISION LINES AND SIMILAR UTILITIES ARE REQUIRED TO BE INSTALLED UNDERGROUND AT THE EXPENSE OF THE OWNER, DEVELOPER, AND BUILDER.
 - UTILITY DEPTH:

A. HIGH VOLTAGE UTILITIES SUCH AS POWER (FEEDER, SERVICE, AND DROPS) SHALL BE BURIED A MINIMUM OF 30 INCHES IN DEPTH.

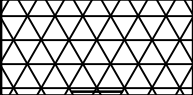
B. LOW VOLTAGE UTILITIES SUCH AS PHONE AND CABLE TV SHALL BE BURIED A MINIMUM OF 18 INCHES IN DEPTH OR FEEDER AND SERVICES. SERVICE DROPS SHALL BE BURIED A MINIMUM OF 12 INCHES IN DEPTH.

C. IN NO INSTANCE SHALL THE DEPTH OF COVER BE LESS THAN 36" FROM FINISHED GRADE TO THE TOP OF PIPE FOR POTABLE WATER MAINS, SANITARY SEWER MAINS, AND RECLAIMED WATER MAINS. HOWEVER, IN THE EVENT THAT ADVANCED CONSTRUCTION METHODS ARE USED, SUCH AS THE USE OF MICROPIERS, THE CITY MAY REQUIRE A PROCESS, DUCTILE IRON PRESSURE CLASS 350 OR CONCRETE ENCASEMENT MAY BE USED AS APPROVED BY THE CITY

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LEGEND:

- SF — PROPOSED SILT FENCE
-  PROPOSED DEMOLITION / CLEARING AREA

NOTES:
1. CONTRACTOR SHALL PROVIDE SIDEWALK CLOSURE SIGNS AS NEEDED FOR CONSTRUCTION.



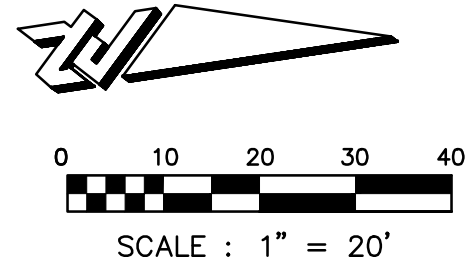
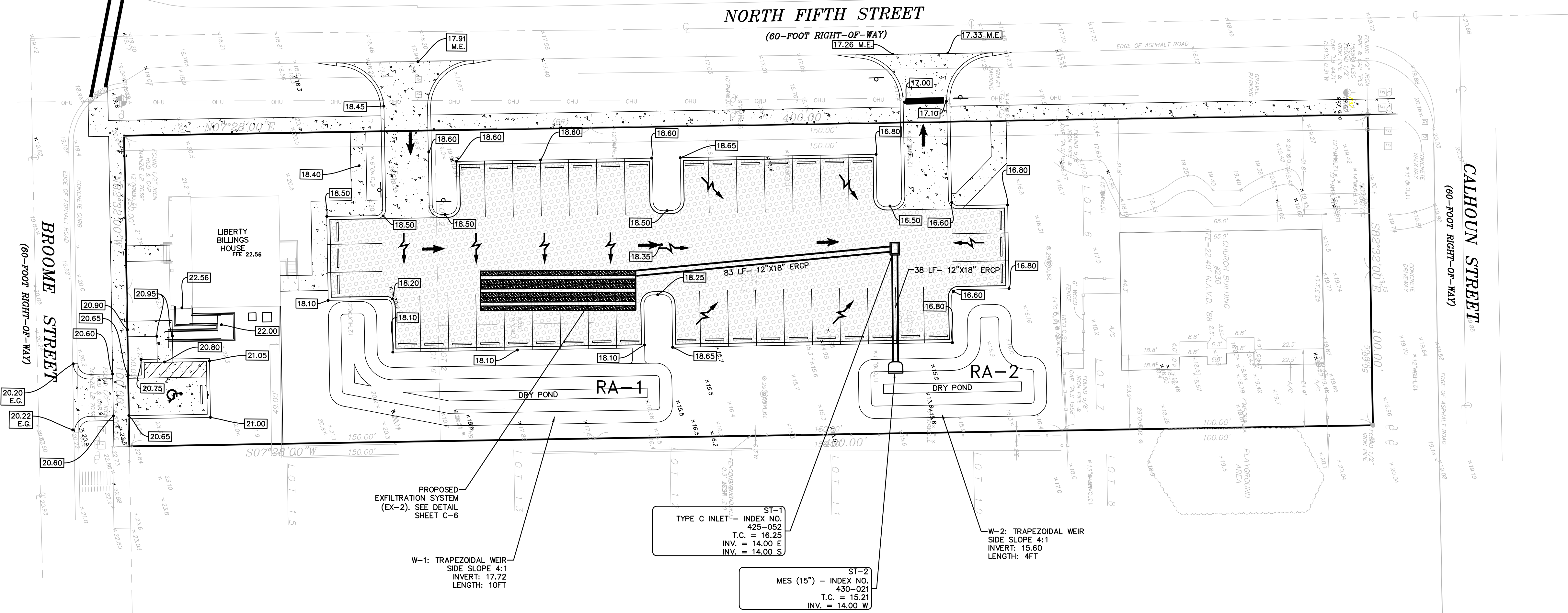
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL
PLANNING
TRANSPORTATION

NO. DATE BY SUBMITTALS / REVISIONS

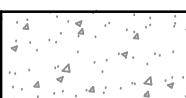
SMCC PARKING LOT- PHASE 2
FINAL ENGINEERING PLANS
DEMOLITION & EROSION
CONTROL PLAN

PROJECT NO.: ZC 68003
DESIGNED BY: SHK
DRAFTED BY: SHK
CHECKED BY: KTR
DRAWING FILE: 04_68003ECP_PH2
XREF'S: 68003BAS_PH2.DWG
XREF'S: 68003SURV_PH2.DWG

KRISTOPHER ROWLEY, P.E. NO. 84263
NOT VALID WITHOUT SEAL
SHEET: C3 OF 8



LEGEND:

- | | |
|--|-------------------------------------|
|  | PROPOSED ASPHALT |
|  | PROPOSED PAVERS |
|  | PROPOSED CONCRETE |
|  OR  | PROPOSED STORMWATER INLET |
|  | PROPOSED STORMWATER MANHOLE |
|  | PROPOSED MES |
|  | PROPOSED YARD DRAIN |
|  | PROPOSED GRADE |
|  | PROPOSED MATCH EXISTING GRADE LABEL |
| E.G. | EXISTING GRADE LABEL |
| FFE | PROPOSED FINISHED FLOOR ELEVATION |
|  | PROPOSED FLOW DIRECTION |
|  | PROPOSED LOT GRADING TYPE |
|  | PROPOSED STREET LIGHT |

NOTES:

[illegible]

**SMCC PARKING LOT- PHASE 2
FINAL ENGINEERING PLANS
PAVING GRADING &
DRAINAGE PLAN**

CITY OF FERNANDINA BEACH

PROJECT NO: ZC 68003
DESIGNED BY: SHK
DRAFTED BY: SHK
CHECKED BY: KTR

DRAWING FILE: 05_68003PGD_PH2
XREF'S: 68003BAS_PH2.DWG
XREF'S: 68003SURV_PH2.DWG

KRISTOPHER ROWLEY, P.E., NO.84263
NOT VALID WITHOUT SEAL

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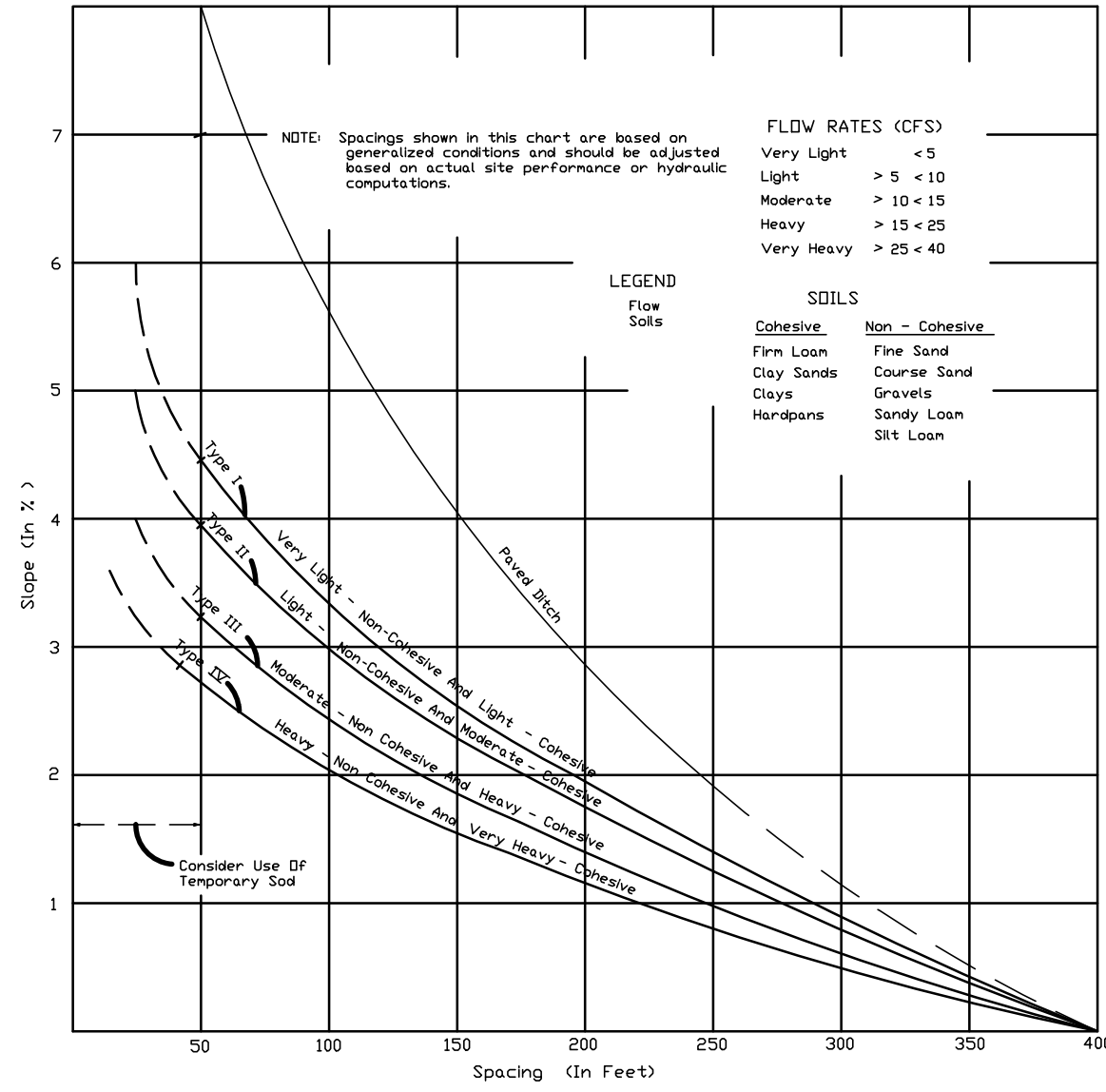
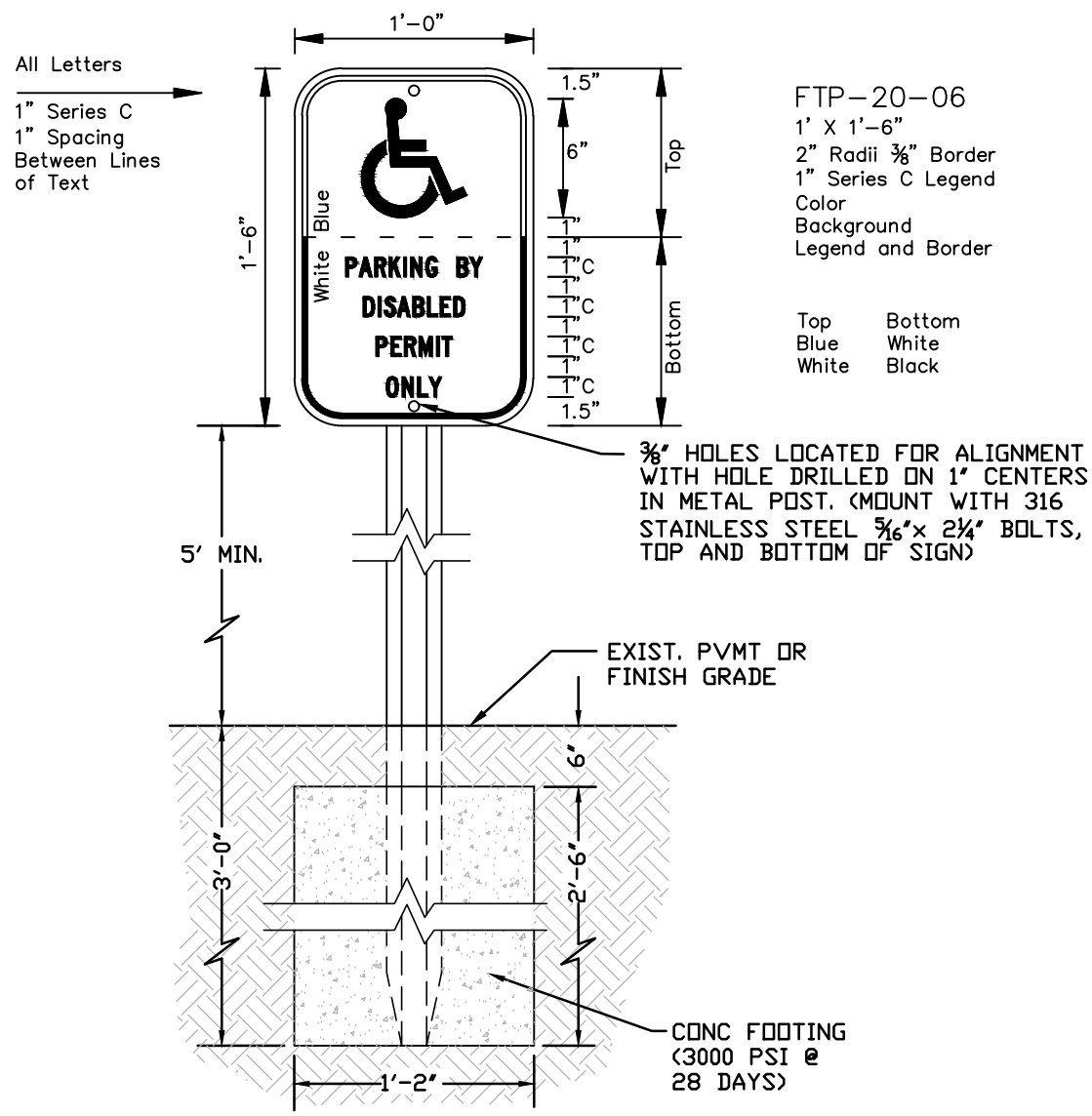
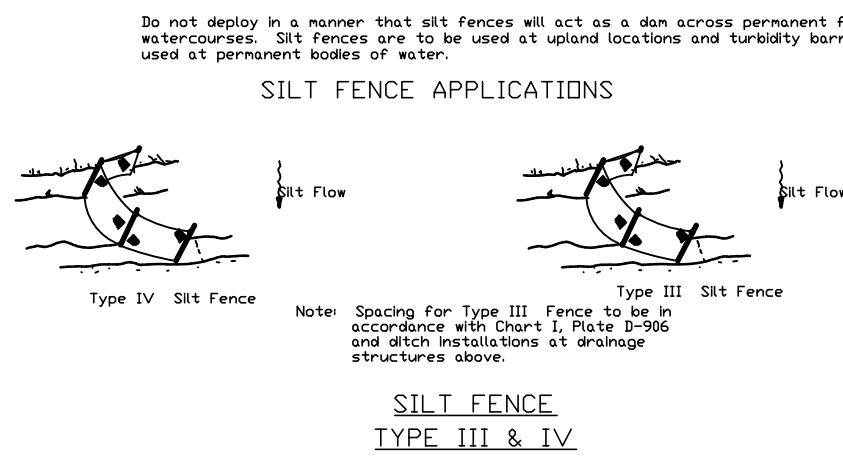
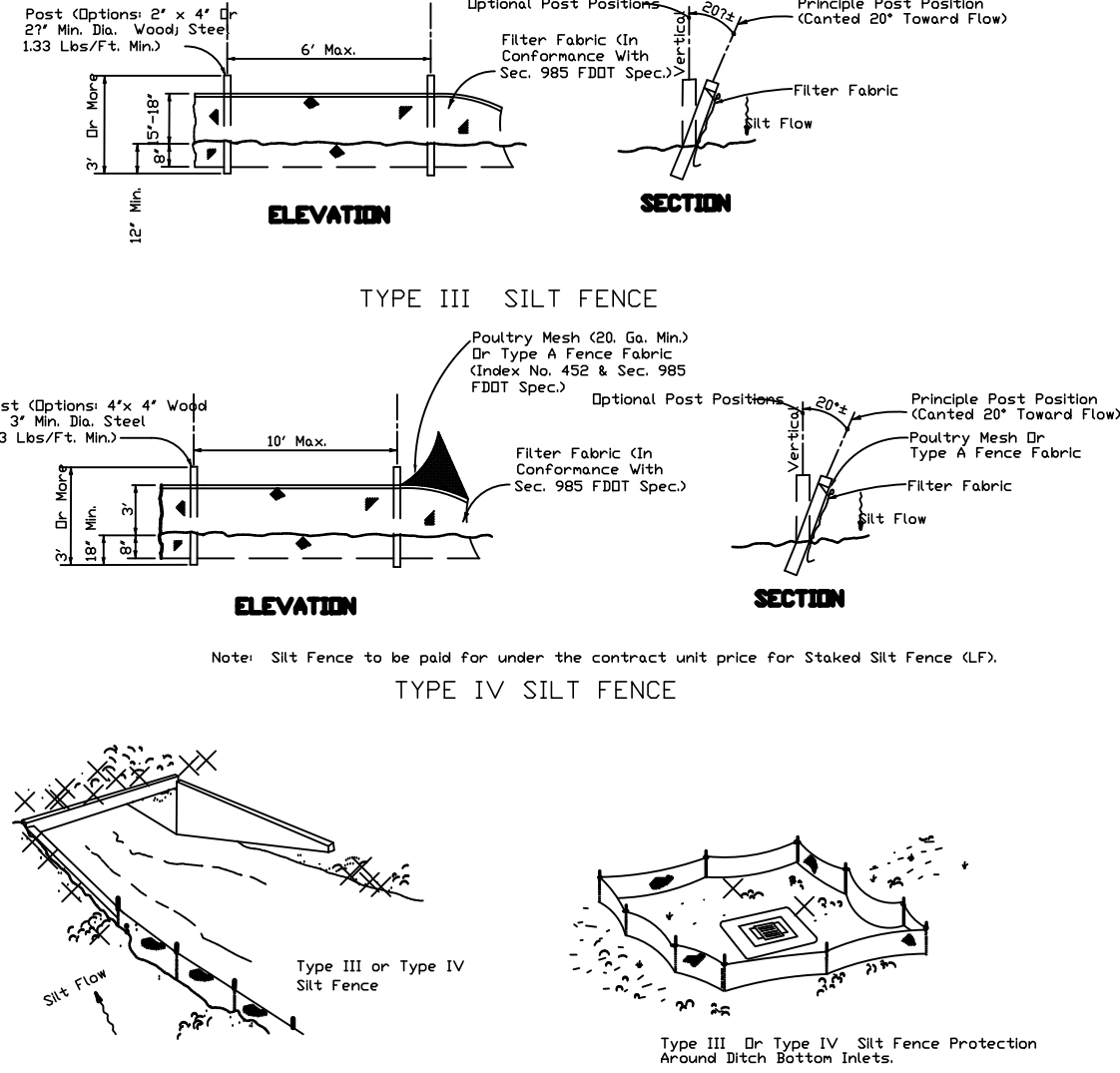
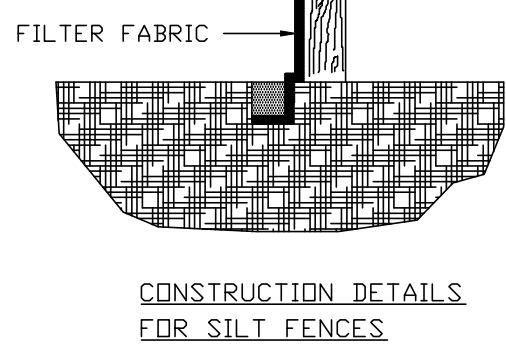
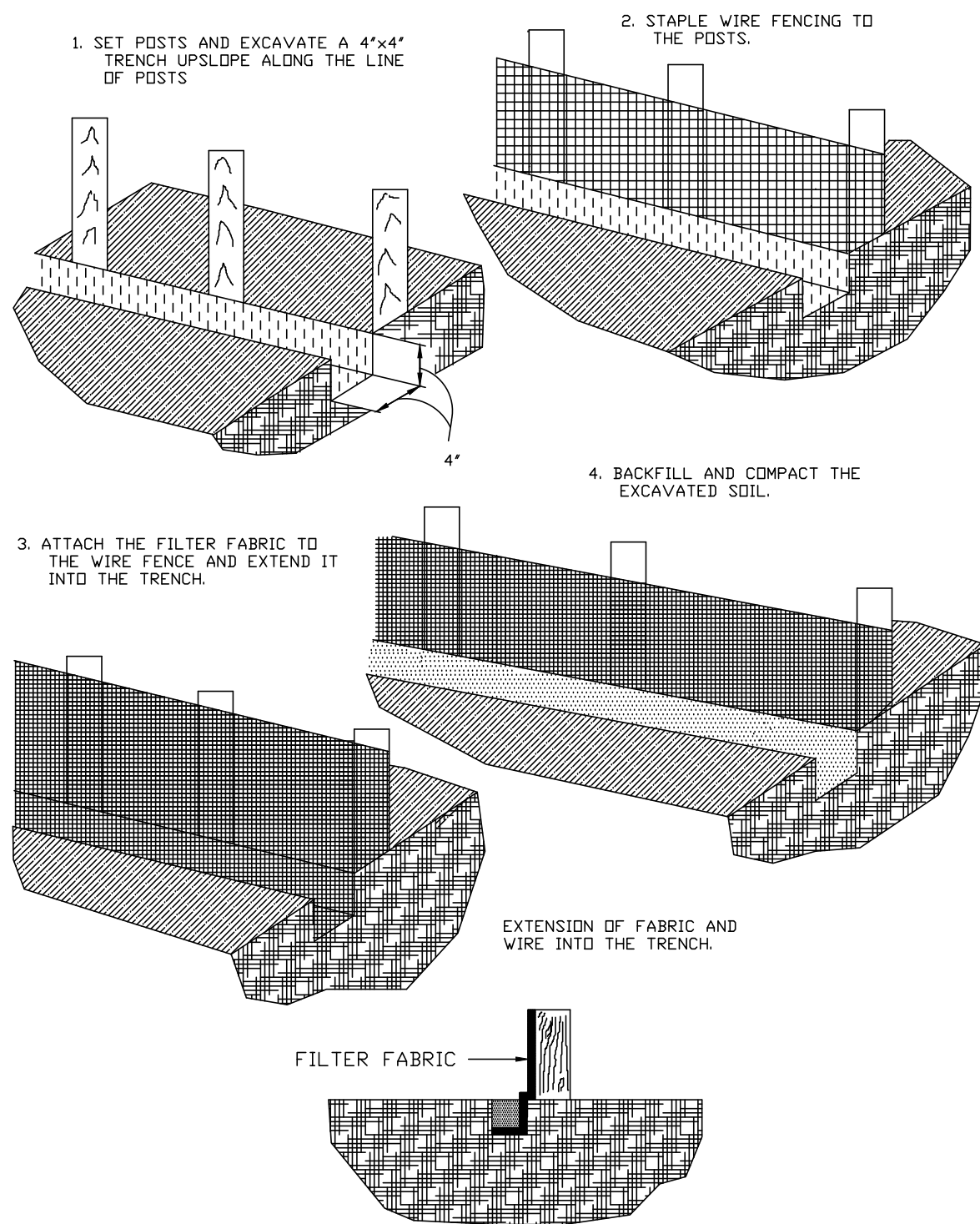


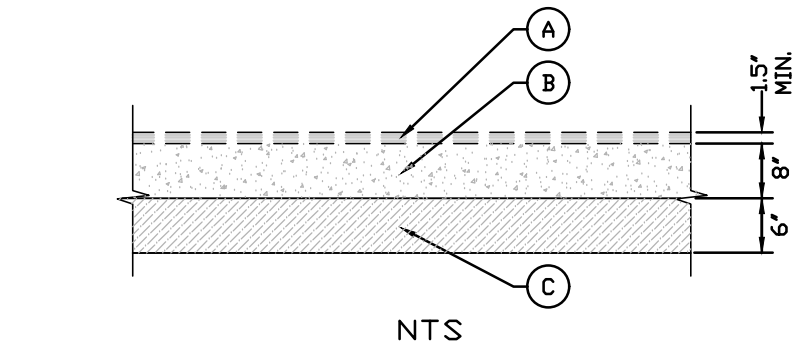
CHART I
RECOMMENDED SPACING FOR TYPE I AND TYPE II HAY BALE BARRIERS, AND TYPE III
AND TYPE IV SILT FENCES AND PAVED DITCH HAY BALE BARRIERS

SPACING RECOMMENDATION FOR
SILT FENCES AND HAY BALES



- NOTES:
- HANDICAP PARKING SIGN SHALL CONFORM WITH CURRENT FEDERAL, STATE LOCAL & ADA CODES & REGULATIONS, LATEST EDITION.
 - SIGNS WILL BE FABRICATED BY USING A REFLECTING COATING IN THE SYMBOL, MESSAGE AND BORDERS APPLIED TO A SHEET ALUMINUM BACKING (12"x18"x0.00").
 - MESSAGE LETTERING SHALL BE UPPER CASE (SERIES B) 2" HIGH IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE SYMBOL IS COMPOSED OF TWO ELEMENTS, A WHITE WHEEL-CHAIR FIGURE (WHICH SHOULD ALWAYS FACE RIGHT) ON A SQUARE BACKGROUND, INTERNATIONAL BLUE IN COLOR (FED. STD. 595a, COLOR #15180).
 - METAL SIGN POSTS TO BE GALVANIZED U-IRON. ALL BOLTS, NUTS, WASHERS AND SCREWS MUST BE 316 STAINLESS STEEL.
 - CONCRETE FOOTING SHALL BE OF PORTLAND CEMENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I.
 - SIGN POST SHALL BE MINIMUM 2'-0" CLEAR FROM BACK OF CURB OR WHEEL STOP.
 - SIGN POST SHALL BE DESIGNED TO WITHSTAND 120 M.P.H. WIND LOAD.

HANDICAP PARKING SIGN
NTS

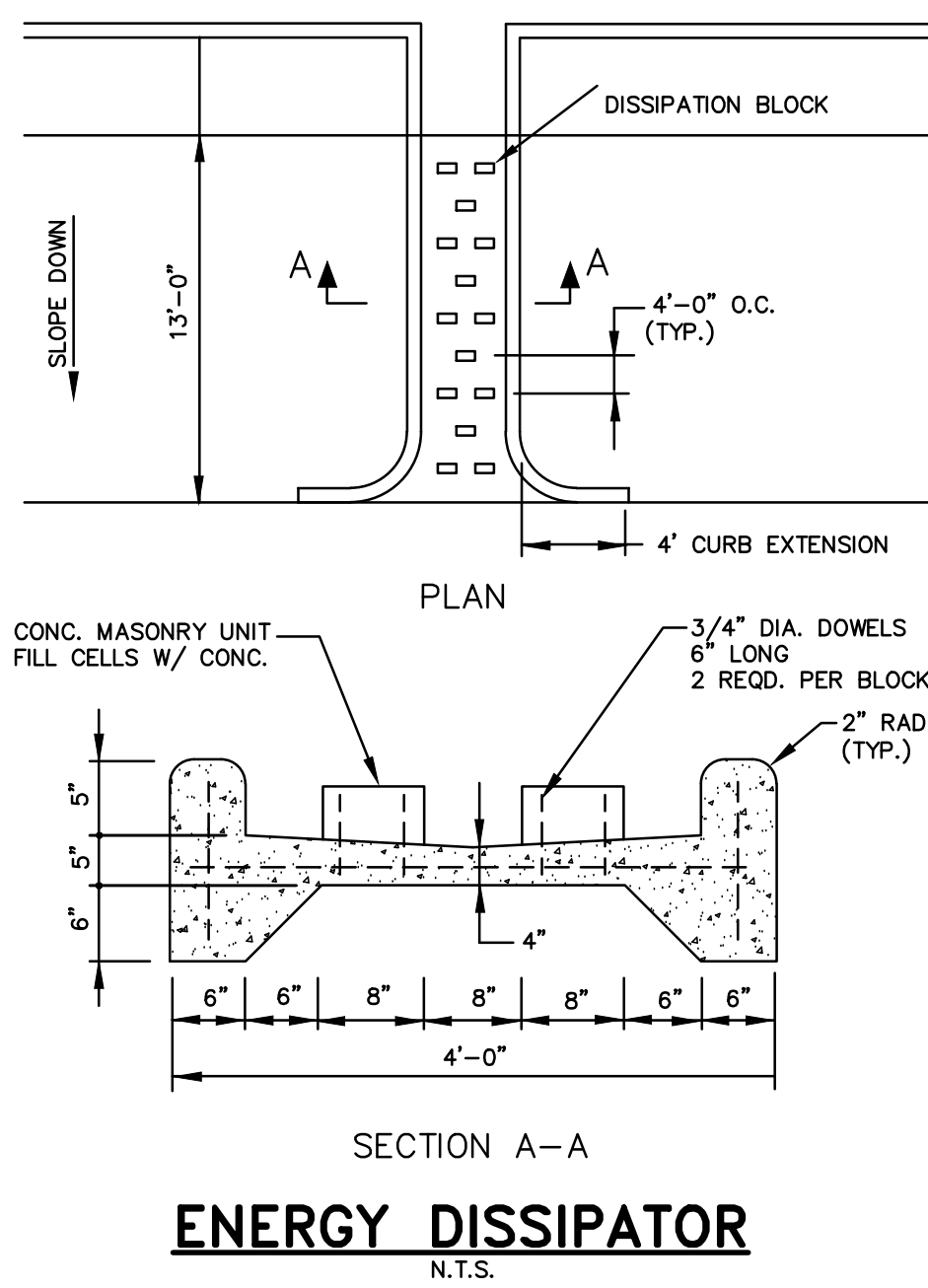


- NTS
- A. ASPHALT PAVEMENT.
1.5" MIN. ASPHALT BITUMINOUS CONCRETE TYPE SP-9.5
- B. BASE:
8" RECYCLED CONCRETE BASE (LBR 130). SEE NOTE 2
- ALTERNATE 1:
6" ASPHALT BASE MINIMUM BEARING (LBR 100). SEE NOTE 2
- ALTERNATE 2:
8" LIMEROCK BASE (LBR 100). SEE NOTE 2
TO BE USED ONLY WHEN BOTTOM OF BASE LAYER IS 24" ABOVE ANNUAL GROUND WATER MAXIMUM ELEVATION AND UPON APPROVAL OF THE CITY ENGINEER.
- C. SUB-GRADE:
6" SUB-BASE. SEE NOTE 2

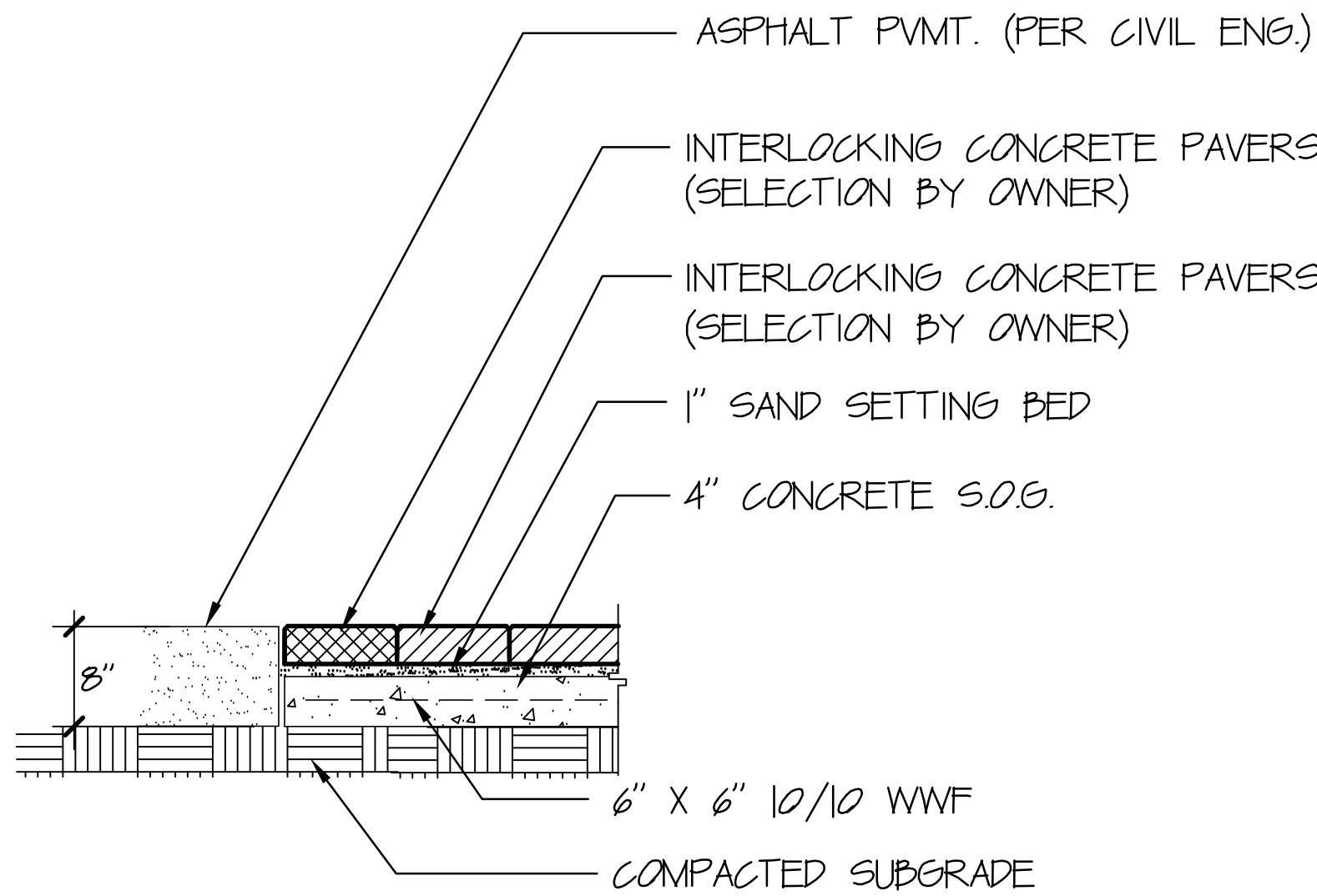
- NOTES:
- ALL MATERIALS ARE TO BE APPROVED BY THE CITY ENGINEER AND THE PROJECT'S LICENSED SOILS ENGINEER PRIOR TO PLACEMENT.
 - ASPHALT PAVEMENT TESTING IS TO BE DONE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, LATEST EDITION.
 -

GRADED AGGREGATE BASE	
SIEVE SIZE	PERCENT BY WEIGHT PASSING
2" (50mm)	100
1-1/2" (37.5mm)	95 to 100
3/4" (19mm)	65 to 95
3/8" (9.5mm)	45 to 75
No. 4 (4.75mm)	35 to 60
No. 10 (2mm)	25 to 45
No.50 (300um)	5 to 25
No.200 (75um)	0 to 10

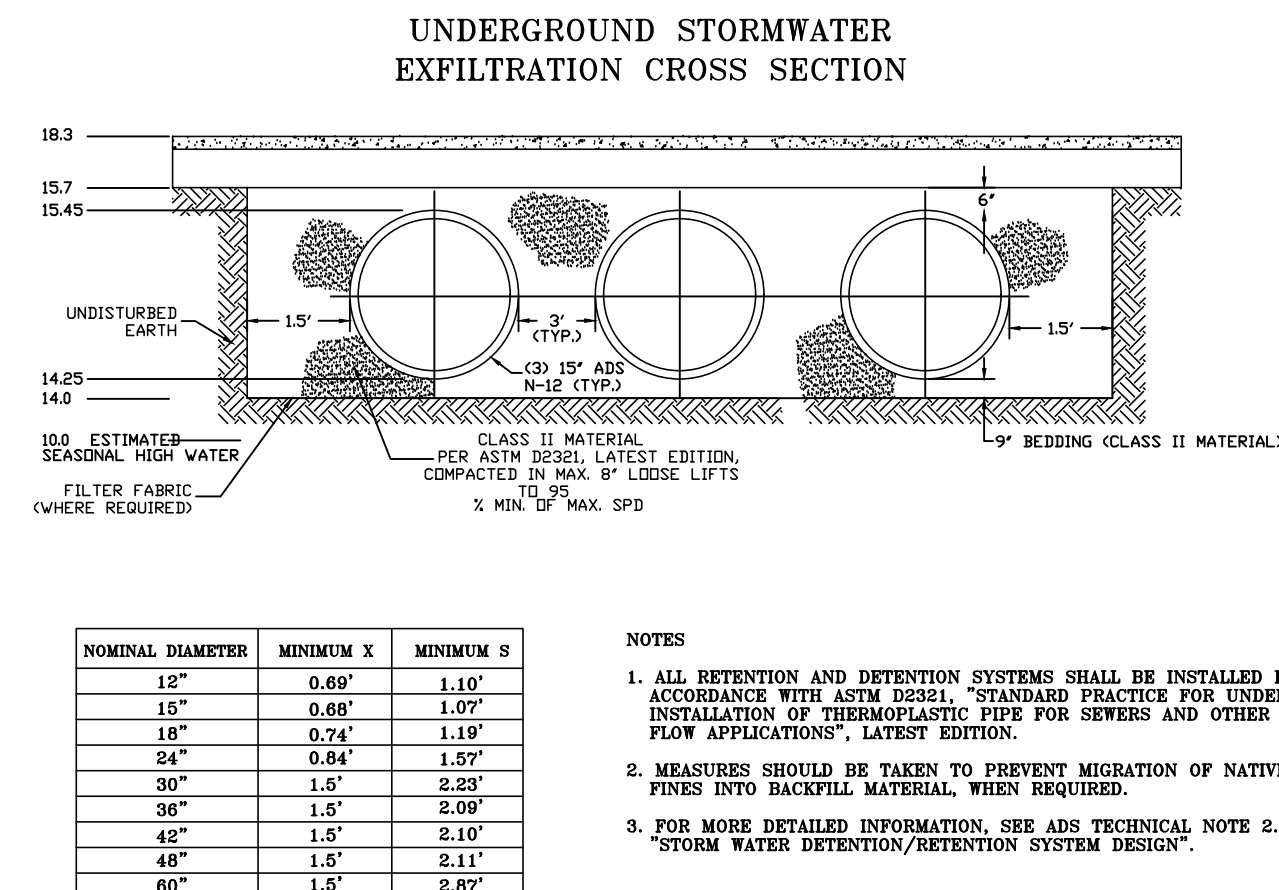
TYPICAL PAVEMENT
SECTION



SECTION A-A
ENERGY DISSIPATOR
N.T.S.

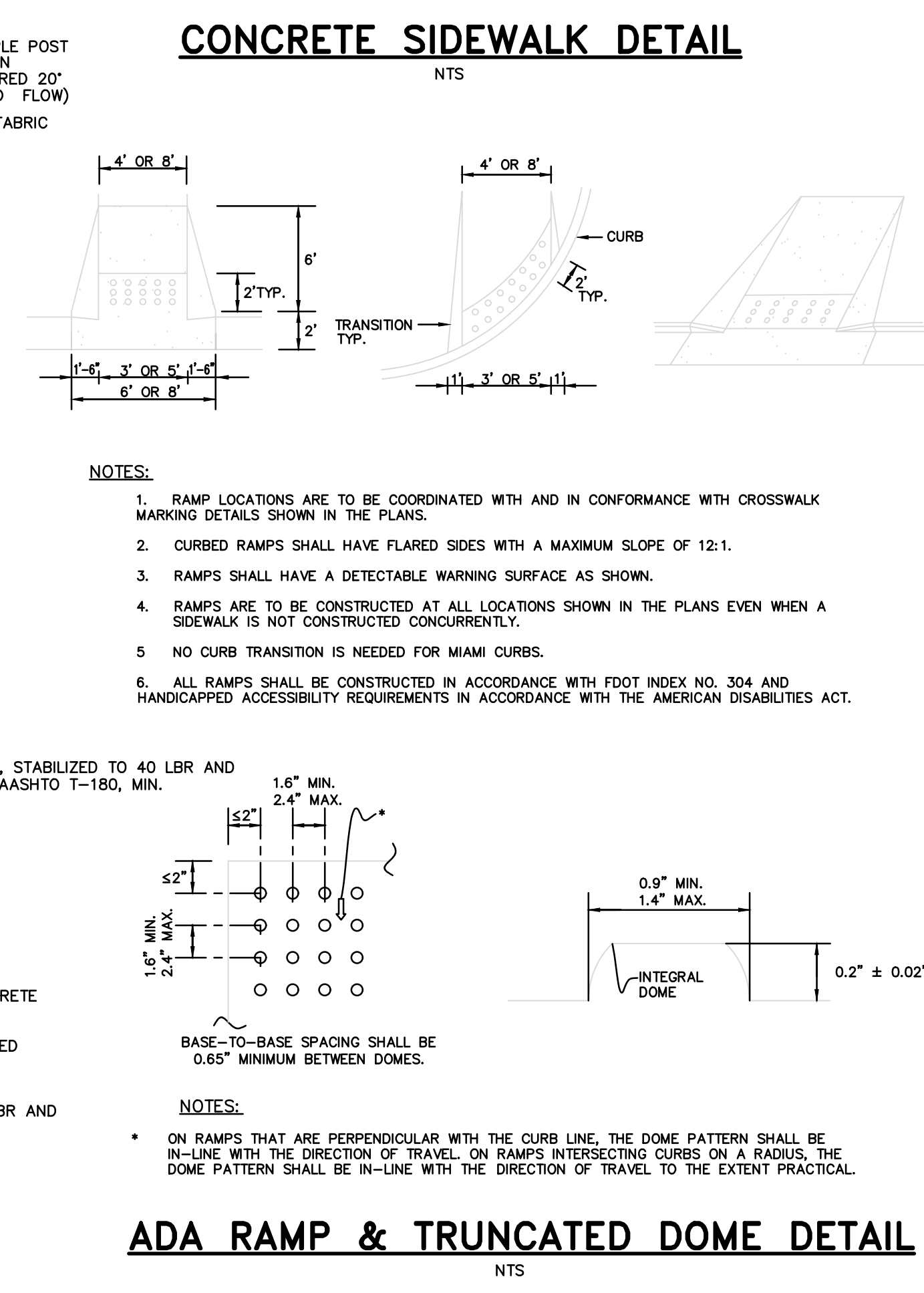
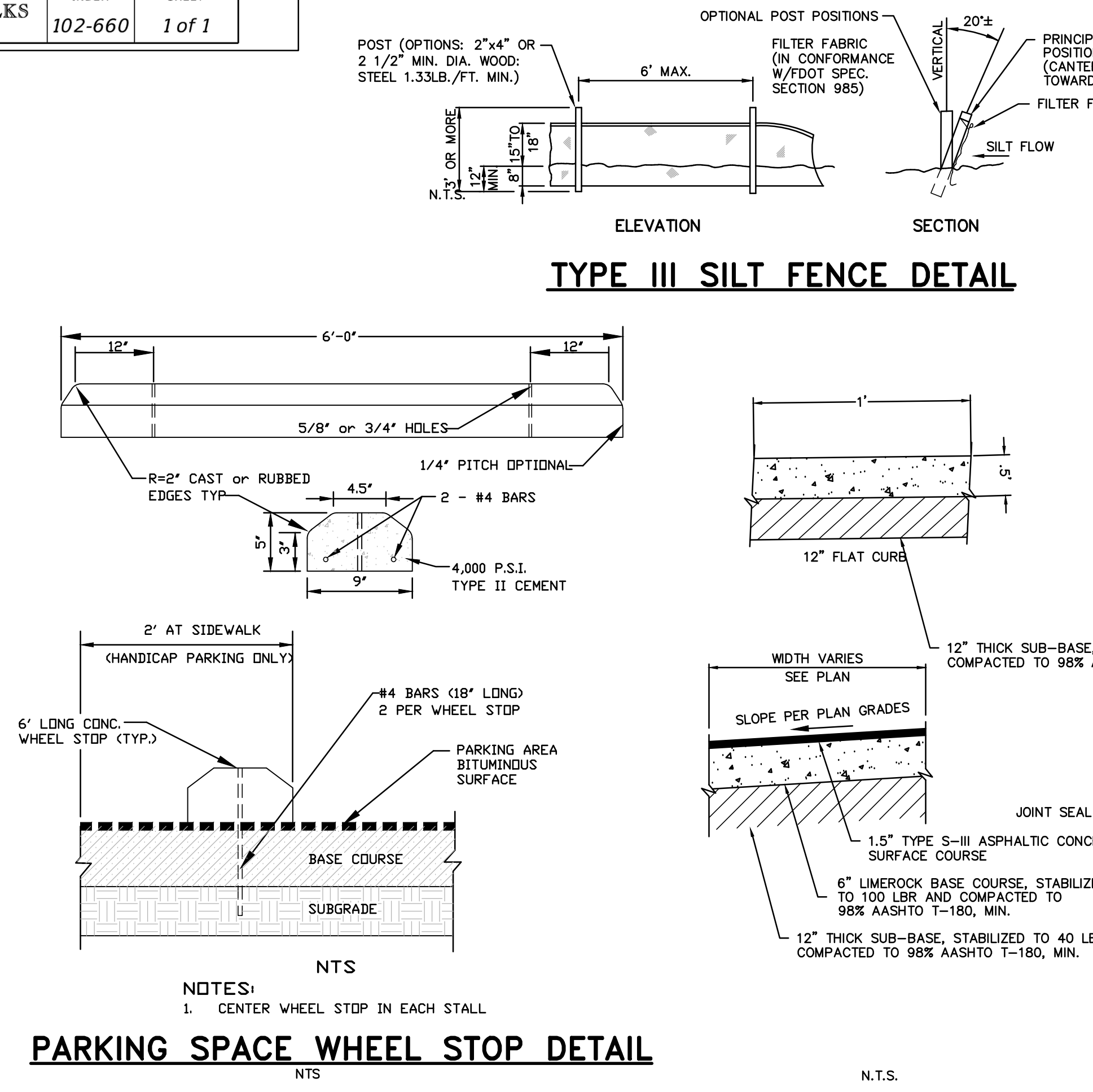
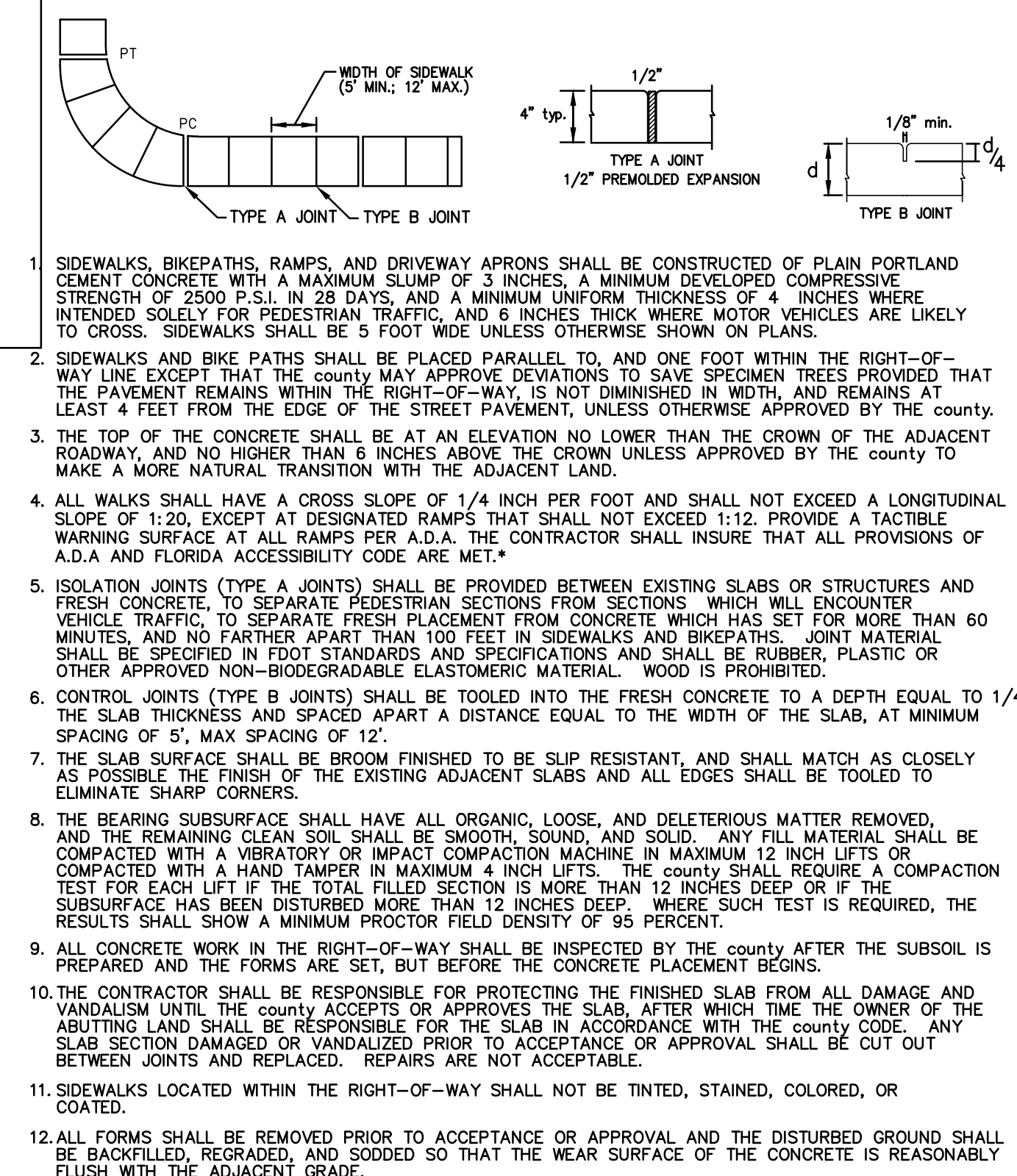
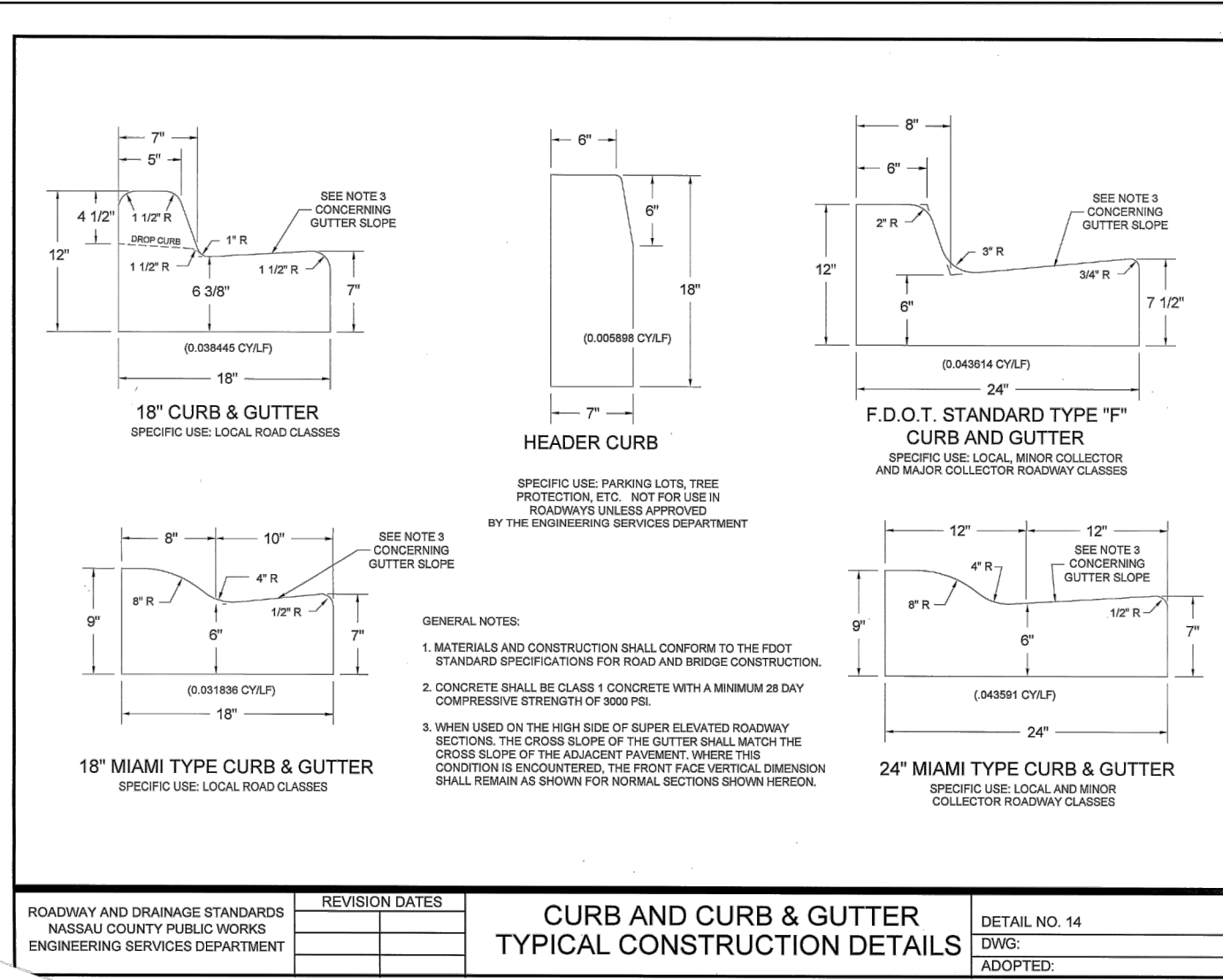


SECTION THRU PAVERS - VEHICULAR USE AREAS
SCALE: 3/4"=1'-0"

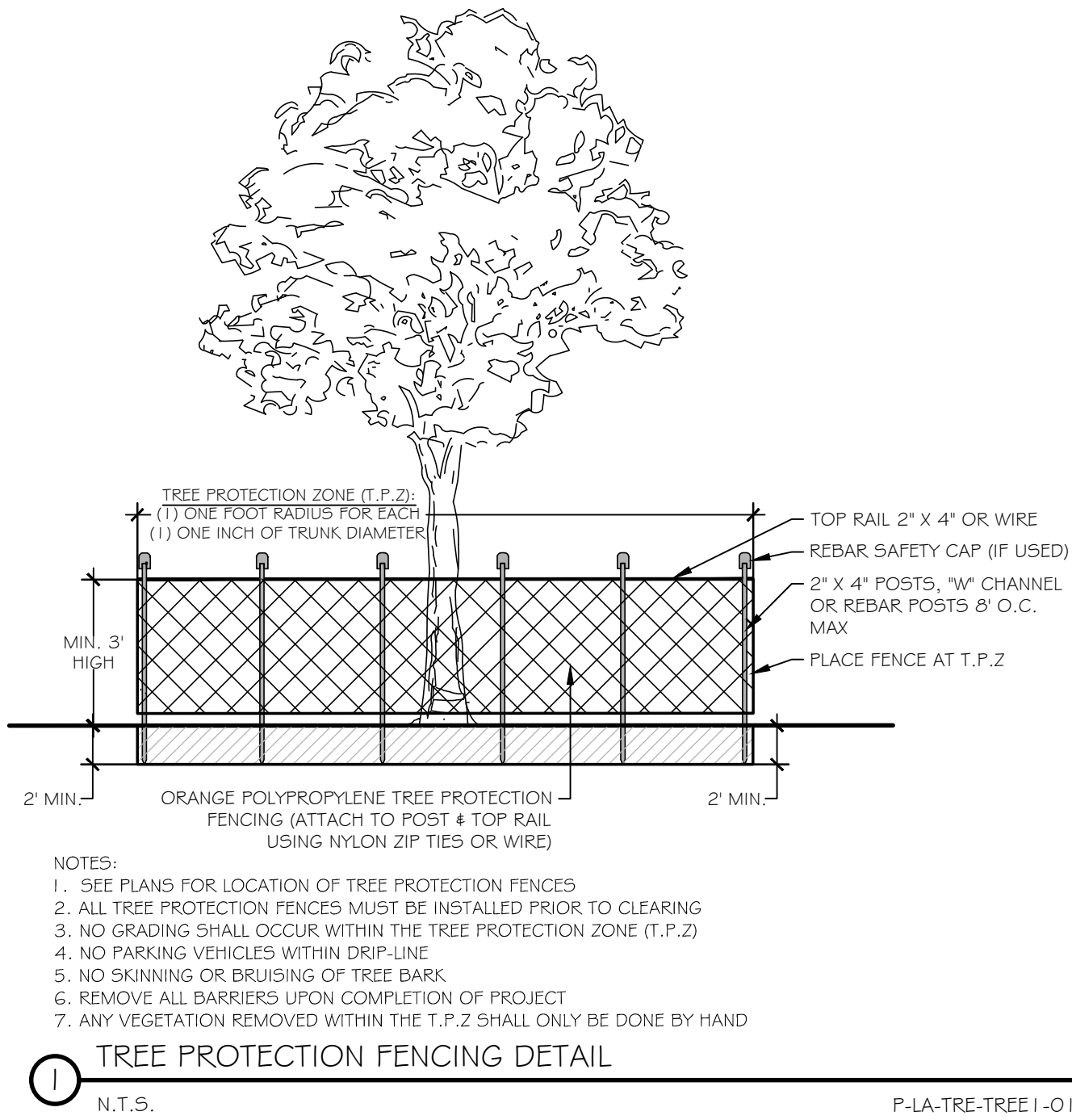


NOMINAL DIAMETER	MINIMUM X	MINIMUM S
12"	0.69'	1.10'
15"	0.88'	1.07'
18"	0.74'	1.19'
24"	0.84'	1.57'
30"	1.5'	2.23'
36"	1.5'	2.09'
42"	1.5'	2.10'
48"	1.5'	2.11'
60"	1.5'	2.87'

- NOTES
- ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2231, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
 - MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
 - FOR MORE DETAILED INFORMATION, SEE ADS TECHNICAL NOTE 2.120, "STORM WATER DETENTION/RETENTION SYSTEM DESIGN".



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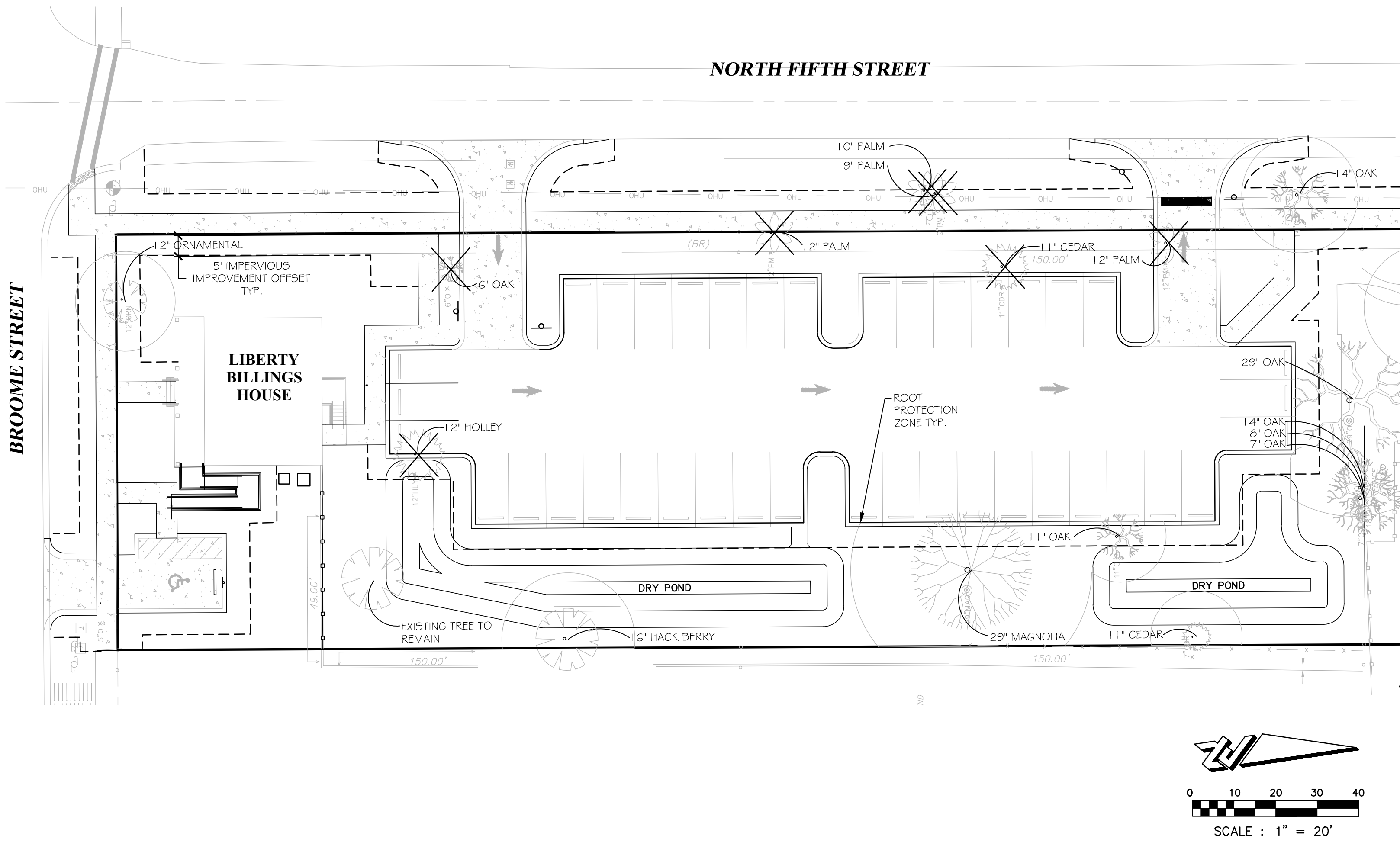


MINIMUM ON SITE TREES	
TOTAL SITE ACREAGE	.69 AC.
TREES REQUIRED ON SITE: (CALCULATION: 30,056.4 AC. / 1,500 S.F. = 20)	20
EXISTING TREES TO BE PRESERVED	15
TREES PROVIDED ON LANDSCAPE PLAN	14
TOTAL NUMBER OF TREES PLANNED ON SITE	29

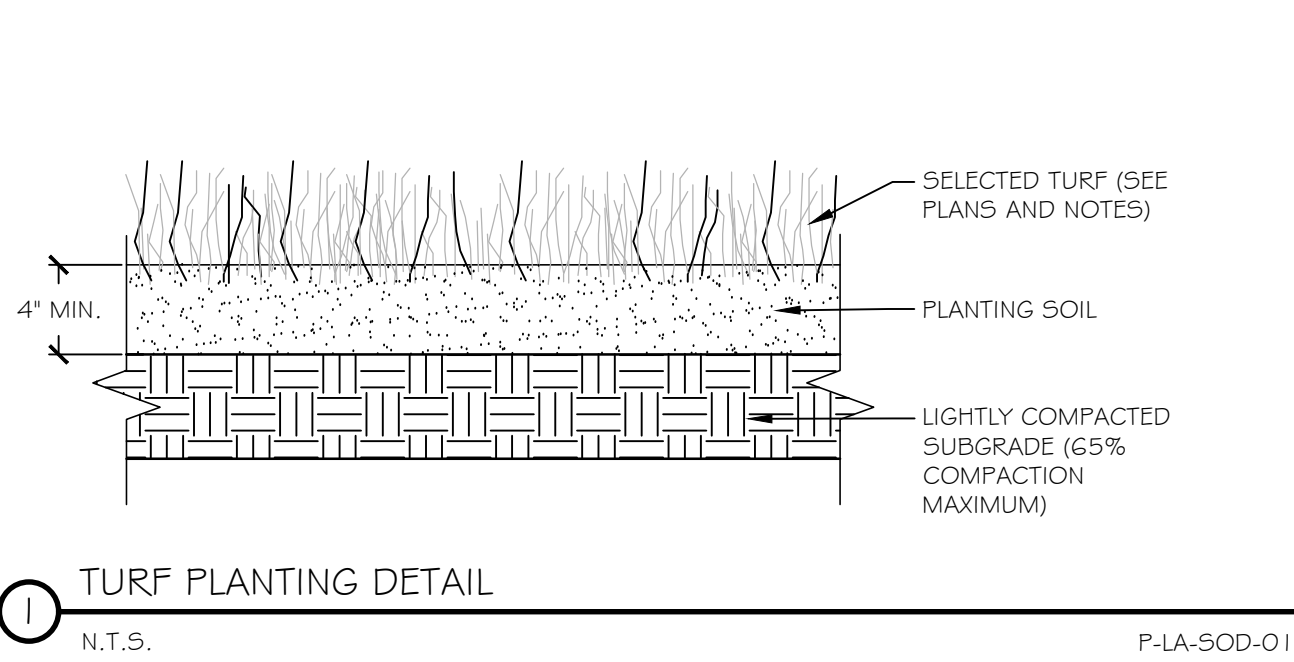
SMCC PARKING LOT IMPERVIOUS IMPROVEMENTS TREES REMOVED			
NUMBER	SPECIES	DIAMETER	
1	OAK	6	
2	HOLLY	12	
3	CEDAR	11	
TOTAL D.B.H.		29	
REQ. MITIGATION (25%)=		7.25	D.B.H.

SMCC PARKING LOT PROPOSED PLANTINGS			
NUMBER	SPECIES	D.B.H.	TOTAL D. B.H.
Ø	LIVE OAK	4	32
Ø	JAPANESE BLUEBERRY	2.5	15
TOTAL PLANTED D.B.H. PROVIDED		47	D.B.H.
TOTAL MITIGATION REQ.		7.25	D.B.H.
EXCESS D.B.H. PROVIDED		39.75	D.B.H.

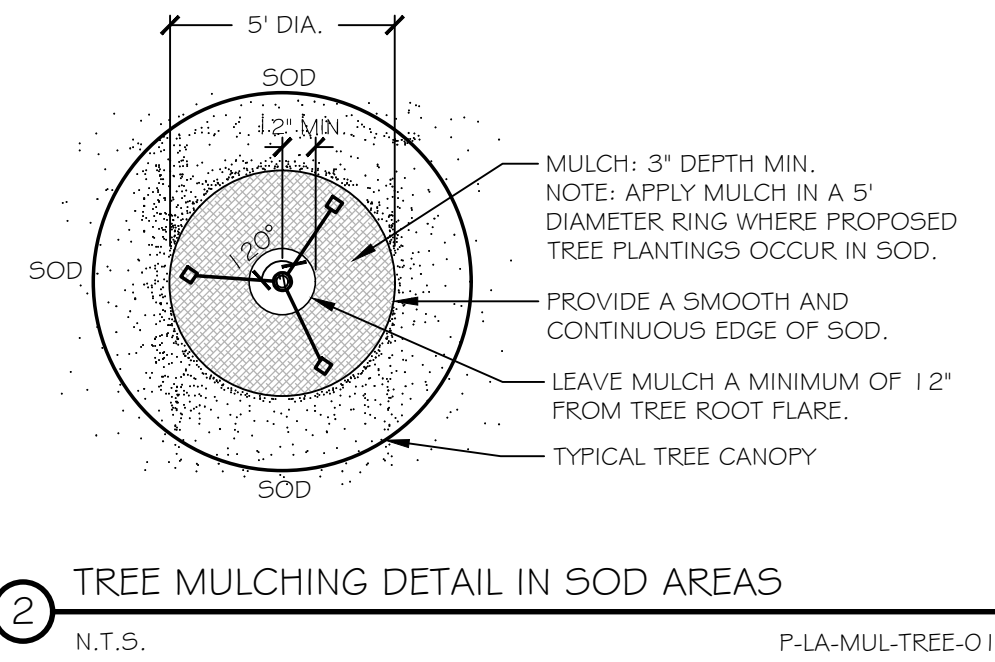
- LEGEND
- EXISTING PALM TREE
 - EXISTING CEDAR/ HOLLY TREE
 - EXISTING MAGNOLIA TREE
 - EXISTING OAK TREE
 - EXISTING TREE, SEE PLAN FOR SPECIES
 - EXISTING TREE TO BE REMOVED
 - DENOTES ROOT ZONE PROTECTION AREA REQUIRED
 - DENOTES 5' OFFSET FROM IMPERVIOUS IMPROVEMENTS



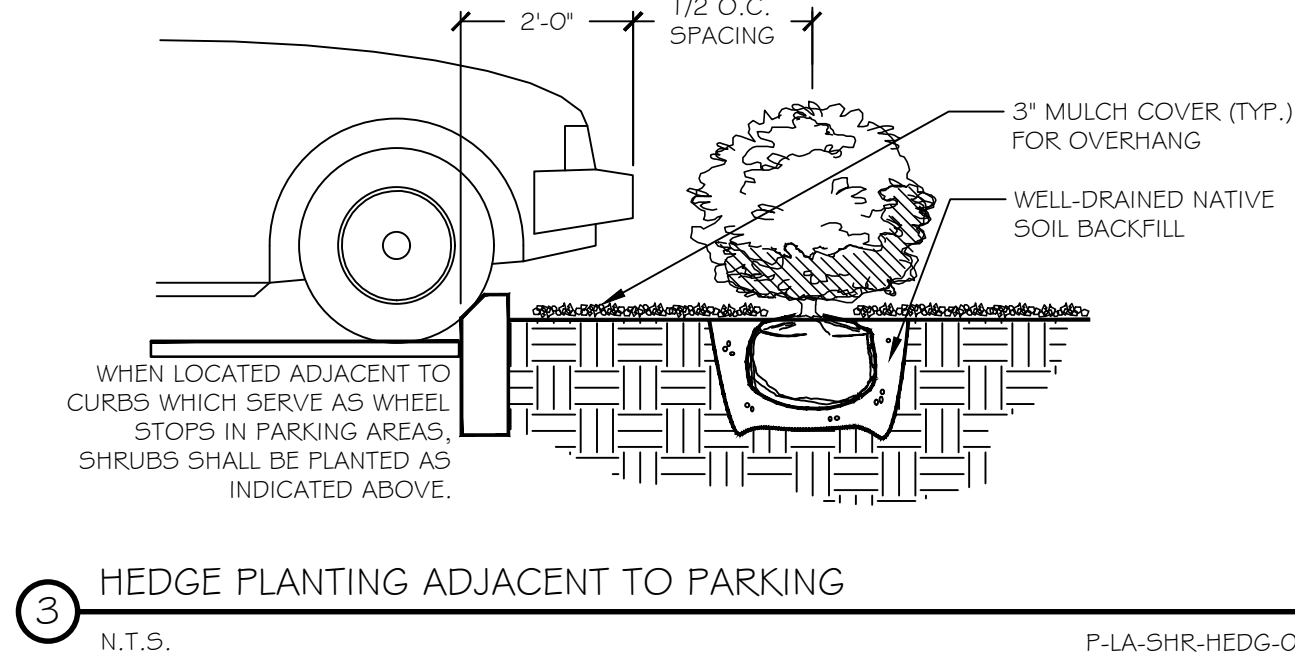
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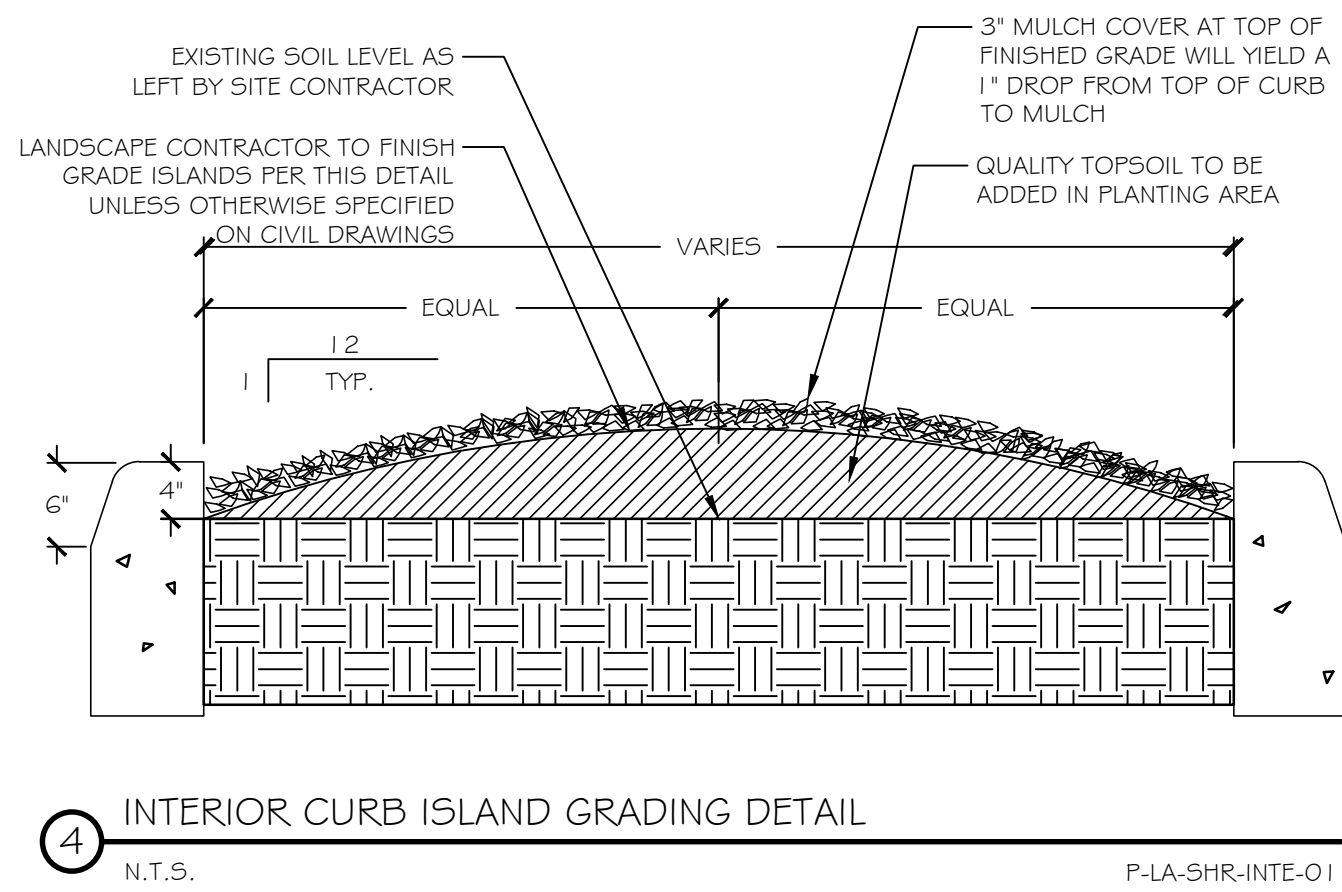
1 TURF PLANTING DETAIL
N.T.S. F-LA-SOD-01



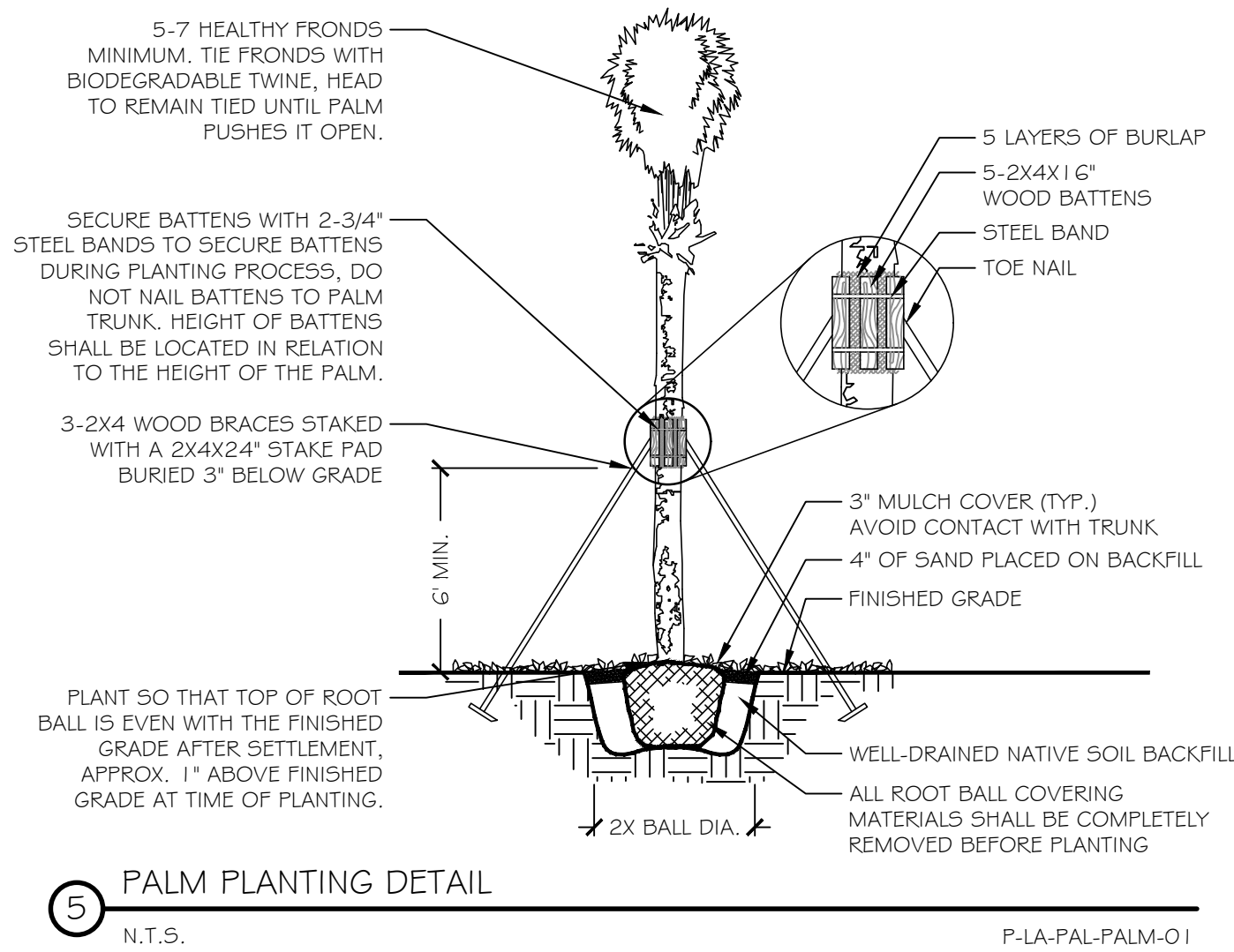
2 TREE MULCHING DETAIL IN SOD AREAS
N.T.S. F-LA-MUL-TREE-01



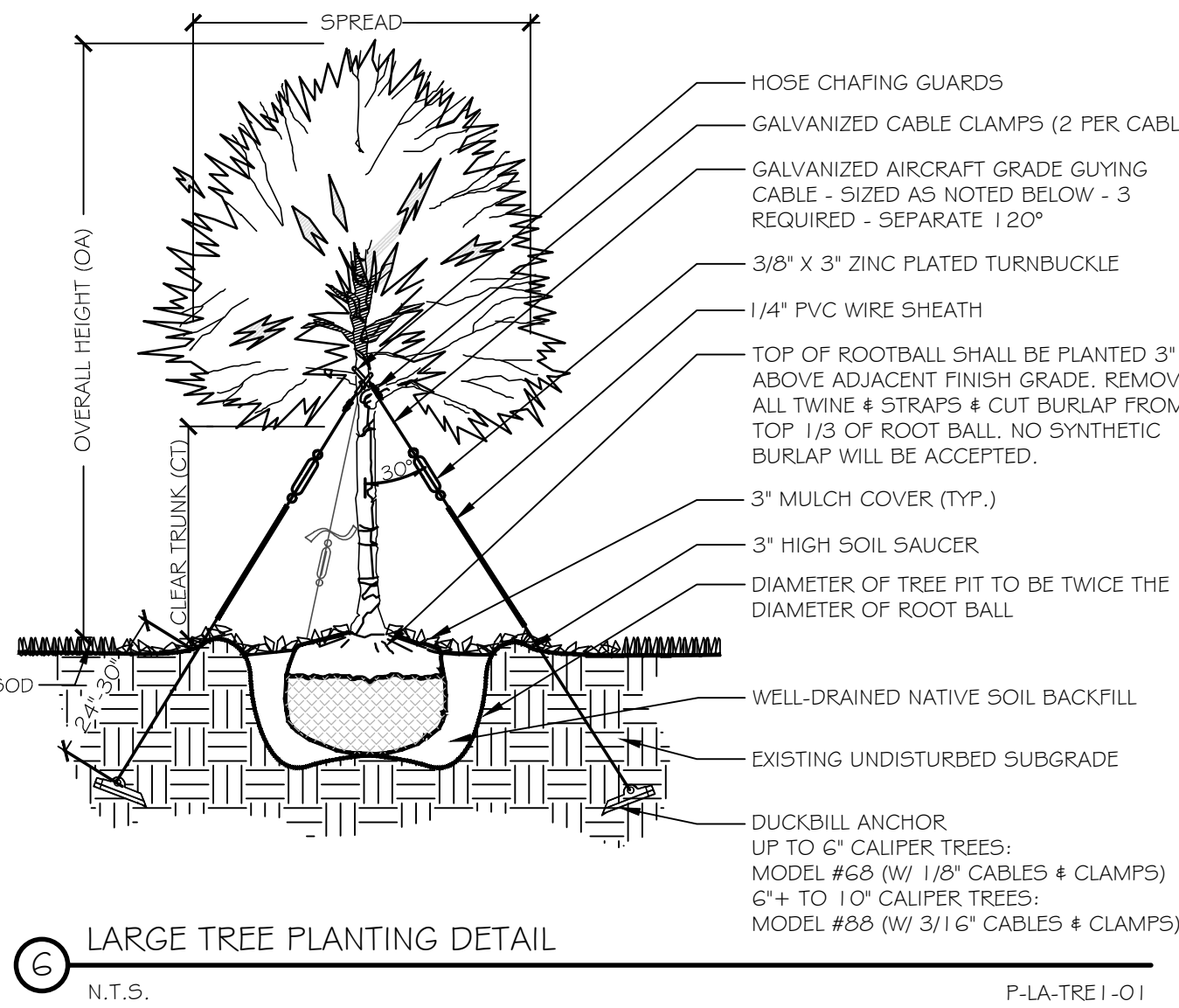
3 HEDGE PLANTING ADJACENT TO PARKING
N.T.S. F-LA-SHR-HEDG-01



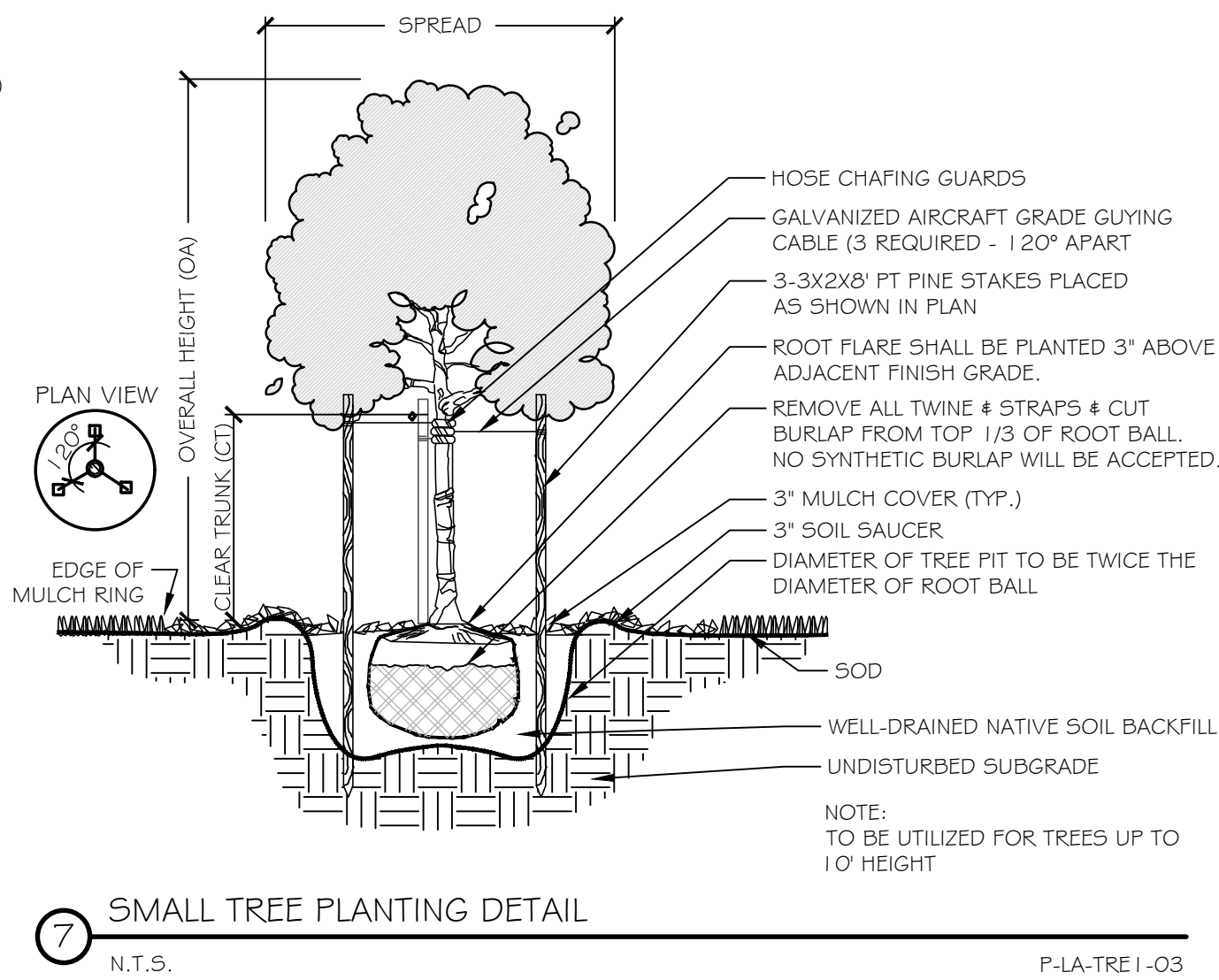
4 INTERIOR CURB ISLAND GRADING DETAIL
N.T.S. F-LA-SHR-INT-01



5 PALM PLANTING DETAIL
N.T.S. F-LA-PAL-PALM-01



6 LARGE TREE PLANTING DETAIL
N.T.S. F-LA-TRE-I-01

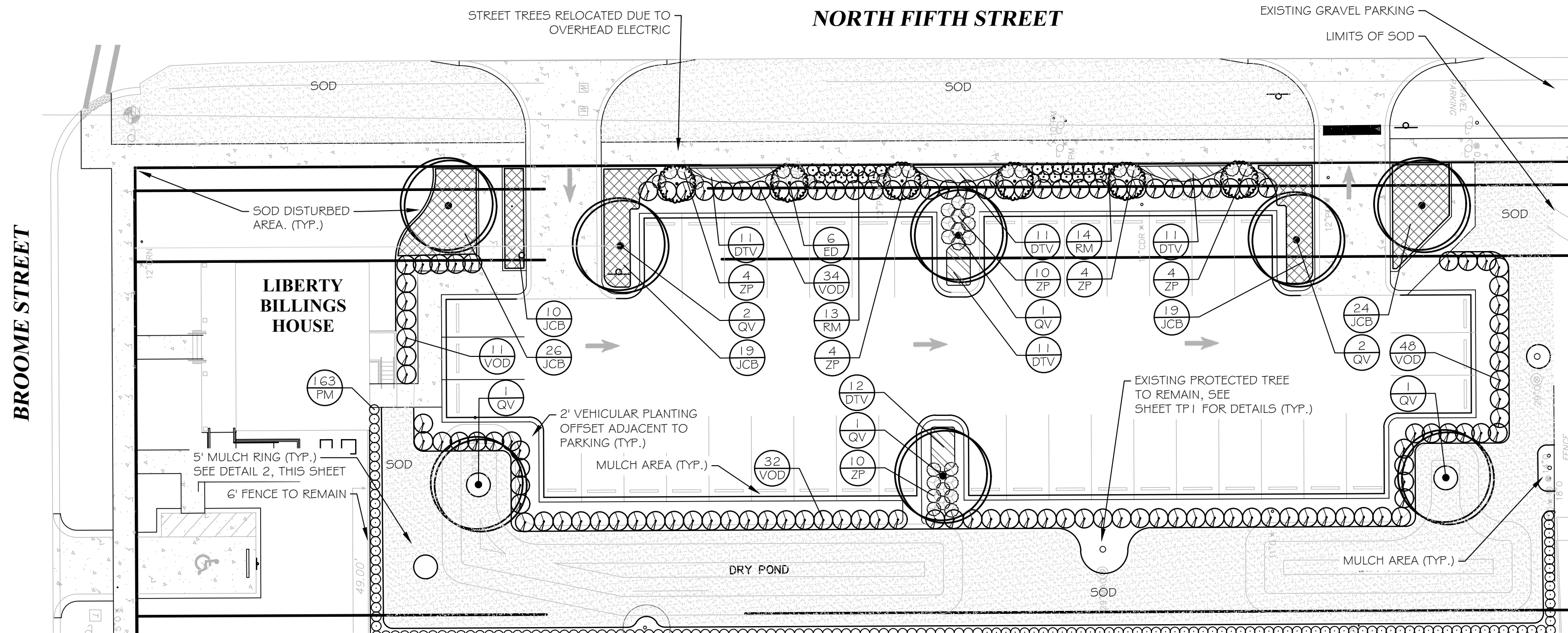


7 SMALL TREE PLANTING DETAIL
N.T.S. F-LA-TRE-I-03

- FLORIDA #1:** ALL PLANT MATERIAL SHALL BE GRADE FLORIDA NO. 1 OR BETTER IN QUALITY AS DESIGNATED IN THE MOST RECENT PUBLICATION OF 'GRADES AND STANDARDS FOR NURSERY PLANTS', PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
- EXISTING PLANTS:** IF EXISTING LANDSCAPING INTERFERES WITH PROPOSED PLANTINGS SHOWN ON PLAN, THE EXISTING LANDSCAPING IS TO BE REMOVED IN FAVOR OF THE NEW PLANTINGS, UNLESS OTHERWISE INDICATED. IF THE EXISTING VEGETATION IS INTENDED TO REMAIN, THE PROPOSED LANDSCAPING SHALL BE LOCATED AS CLOSE AS POSSIBLE TO ITS INTENDED LOCATION.
- MULCH:** ALL PLANTING BEDS SHALL BE TOP DRESSED WITH 3" PINE BARK MULCH, GRADE 'B' OR APPROVED EQUAL. ALL TREES NOT IN BEDS SHALL HAVE A 5' DIAMETER MULCH RING. ALL PALMS NOT IN BEDS SHALL HAVE A 3' DIAMETER MULCH RING UNLESS OTHERWISE NOTED ON PLANS.
- SOD:** SOD SHALL BE ARGENTINE BAHIA SOD UNLESS OTHERWISE SPECIFIED ON THE PLANS AS FLORATAM ST. AUGUSTINE SOD. ALL SOD SHALL BE ROLLED UPON INSTALLATION. CONTRACTOR TO SOD ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION RELATED ACTIVITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE SOD IS FREE OF WEEDS & INSECTS UPON INSTALLATION AND FOR THE DURATION OF THE 90 DAY MAINTENANCE PERIOD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE NO GAPS BETWEEN SOD. SOD QUANTITY TAKEOFFS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- QUANTITIES:** IN THE EVENT OF A VARIATION BETWEEN THE QUANTITIES SHOWN ON THE PLANT LIST AND THE QUANTITIES OF PLANTS SHOWN ON THE PLAN, THE PLAN SHALL CONTROL.
- UNFORESEEN CONFLICTS:** CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY PORTION OF THE LANDSCAPE PLAN AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNFORESEEN OBSTRUCTIONS, GRADE DIFFERENCES, STANDING WATER, SOIL CONDITIONS OR OTHER CONFLICTS EXIST. SUCH UNFORESEEN CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- SUBSTITUTIONS:** NO SUBSTITUTIONS OR VARIATIONS OF ANY PLANT MATERIAL OR ITS INSTALLED LOCATION SHALL BE PERMITTED WITHOUT THE PRIOR CONSENT OF THE LANDSCAPE ARCHITECT.
- CONTAINERS:** IF GALLONAGE FOR PLANTS OR TREES IS SHOWN THEY SHALL BE CONTAINER GROWN AND THE SIZE SHOWN SHALL REPRESENT THE MINIMUM ALLOWABLE GALLONAGE. IN ALL CASES THE PLANT SPECIFIED SIZE SHALL GOVERN OVER THE GALLONAGE INDICATED.
- PLANTING SOIL:** CONTRACTOR SHALL VERIFY THAT SOIL CONDITIONS ARE SUITABLE TO THE PLANT SPECIES SPECIFIED. IF SOIL CONDITIONS ARE DEEMED UNSUITABLE FOR PROPER PLANT HEALTH, CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT AND PROPER SUBSTITUTIONS SHALL BE SPECIFIED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. THE CONTRACTOR SHALL REMOVE LIME ROCK, CONCRETE AND OTHER DELETERIOUS DEBRIS FROM PLANTING BEDS. IF DEBRIS IS INTEGRATED IN THE SOIL, THE SOIL MUST BE EXCAVATED AND REPLACED WITH ACCEPTABLE SOIL. ALL FILL TO BE PLACED IN LANDSCAPE AREAS MUST HAVE A pH RANGE BETWEEN 5.8 AND 7.5, BE ORGANIC IN NATURE, AND BE FREE OF ROCKS AND DEBRIS.
- TOPSOIL:** TOPSOIL MATERIAL SHALL BE FREE FROM ALL HARD CLODS, WEEDS, STONES OVER 1" IN DIAMETER, CLAY, HARD PAN, NOXIOUS OR OTHER UNDESIRABLE PLANTS, SOD, INSECTS, SEEDS, OR MATERIAL WHICH MAY BE HARMFUL FOR GROWTH.
- WEEDS:** IF PRESENT, THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ANY WEEDS FROM PLANTING AND SOD AREAS PRIOR TO THE INSTALLATION OF PROPOSED PLANT MATERIAL AND MULCH COVER. CONTRACTOR SHALL BE RESPONSIBLE TO KEEP BEDS AND SOD FREE OF WEEDS FOR THE DURATION OF THE 90 DAY MAINTENANCE PERIOD.
- GRADING:** UNLESS OTHERWISE STATED ON THESE PLANS, THE LANDSCAPE CONTRACTOR SHALL FINE GRADE ALL AREAS TO BE PLANTED AND SODDED IN ORDER TO ELIMINATE BUMPS AND DEPRESSIONS. FINE GRADING SHALL BE DEFINED AS THE FINAL 2" OF GRADE TO BE ACHIEVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND RE-GRADING WASHOUT AREAS CAUSED BY EROSION UNTIL FINAL ACCEPTANCE OF THE PROJECT.
- STAKING:** ALL TREES AND PALMS ARE TO BE STAKED ACCORDING TO THE DETAILS IN THESE PLANS. IF THE CONTRACTOR PREFERENCES TO USE OTHER STAKING METHODS THAN SHOWN IN THE DETAILS, HE OR SHE MUST SUBMIT PROPOSED STAKING DETAILS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. THE LANDSCAPE CONTRACTOR SHALL STRAIGHTEN, REPAIR, AND/OR REPLACE ANY PLANTS DAMAGED BY FAILURE TO PROPERLY STAKE OR GUY ANY TREES & PALMS ON SITE, AT THEIR OWN EXPENSE.
- BED LINES:** CONTRACTOR TO ENSURE CURVILINEAR LANDSCAPE BEDS ARE TO BE EDGED WITH SMOOTH FLOWING CURVES. STRAIGHT-LINE LANDSCAPE BEDS ARE TO BE EDGED IN A STRAIGHT LINE PARALLEL TO ADJACENT STRUCTURES UNLESS DESIGNED OTHERWISE.
- FERTILIZER:** OSMOCOTE SLOW RELEASE FERTILIZER OR EQUIVALENT SHALL BE APPLIED TO ALL TREE, SHRUB, AND GROUNDCOVER PLANTING AREAS AT THE RATE OF THREE (3) TABLESPOONS PER 2 S.F. OF PLANTING AREA.
- DRAINAGE:** THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT THIS WORK DOES NOT INTERRUPT EXISTING OR PROPOSED DRAINAGE PATTERNS AND SHALL NOTIFY THE OWNERS REPRESENTATIVE IMMEDIATELY SHALL A CONFLICT ARISE. CONTRACTOR IS RESPONSIBLE FOR ALL LANDSCAPE/SOD AREAS TO PROPERLY DRAIN AWAY FROM BUILDINGS/STRUCTURES.
- SPECIFICATIONS:** THE LANDSCAPE ARCHITECT SHALL BE PERMITTED THE RIGHT DURING INSTALLATION, TO REJECT ANY AND ALL PLANT MATERIAL AND WORKMANSHIP WHICH IN HIS OR HER OPINION DOES NOT MEET THE REQUIREMENTS OF THESE SPECIFICATIONS.
- WILDLIFE NOTIFICATION:** THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT WHO SHALL PROPOSE PLANT SUBSTITUTIONS UPON WRITTEN NOTIFICATION OF NUISANCE ANIMAL EXISTENCE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE ANY/ALL INSTALLED PLANT MATERIAL DESTROYED/DAMAGED BY WILDLIFE WITHIN THE MAINTENANCE PERIOD.
- TURNOVER:** CONTRACTOR SHALL CONTACT OWNERS REPRESENTATIVE FOR A TURNOVER DATE TO INCLUDE A WALK-THROUGH AND ACCEPTANCE OF WORK BY THE LANDSCAPE ARCHITECT OR OWNER. ANY WORK DEEMED UNACCEPTABLE SHALL BE CORRECTED IMMEDIATELY AND RE-INSPECTED AS SCHEDULED.
- MAINTENANCE:** CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE TO BEGIN AFTER EACH PLANT HAS BEEN INSTALLED AND SHALL CONTINUE 90 DAYS AFTER FINAL WRITTEN ACCEPTANCE BY THE OWNER. MAINTENANCE SHALL INCLUDE WATERING, PRUNING, WEEDING, MULCHING, MOVING, REPLACEMENT OF SICK OR DEAD PLANTS, AND ANY OTHER CARE NECESSARY IN ORDER TO MAINTAIN PROPER PLANT HEALTH AND SOIL MOISTURE CONTENT.
- GARANTEE:** CONTRACTOR SHALL GUARANTEE AND REPLACE ALL INSTALLED PLANT MATERIAL FOR ONE (1) CALENDAR YEAR STARTING FROM THE TURNOVER DATE FOR WORK FOUND ACCEPTABLE. ANY CORRECTED WORK SHALL HAVE A PROPORTIONAL EXTENSION OF WARRANTY ONCE APPROVED. ANY SICK OR DEAD MATERIAL SHALL BE REPLACED IMMEDIATELY. THE LANDSCAPE CONTRACTOR SHALL NOT BE RESPONSIBLE TO HONOR ANY WARRANTY FOR THE LOSS OF ANY PLANT MATERIAL CAUSED BY FLOODING, FIRE, ABNORMAL FREEZING TEMPERATURES, WINDS OVER 50 MPH, LIGHTNING, ANY OTHER NATURAL DISASTER, OR ANY LOSS/DAMAGE CAUSED BY VANDALISM OR NEGLIGENCE ON THE PART OF THE OWNER.
- CALL BEFORE YOU DIG:** CONTRACTOR SHALL NOTIFY SUNSHINE 811 AND HAVE UTILITIES LOCATED, PRIOR TO DIGGING, BY CALLING 811. CONTRACTOR SHALL NOT PLANT TREES WITHIN 3' OF AN UNDERGROUND UTILITY, EITHER AS LOCATED OR AS SHOWN ON THE PLAN, WITHOUT FIRST OBTAINING WRITTEN PERMISSION FROM OWNER'S REPRESENTATIVE.
- RECORD DRAWINGS:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT 'REDLINED' MARK-UPS OF THE LANDSCAPE AND IRRIGATION IMPROVEMENTS. THESE AS-BUILT 'REDLINES' SHALL BE REPRESENTED ON ZEV COHEN & ASSOCIATES, INC. PLAN SHEETS AND PROVIDED TO THE LANDSCAPE ARCHITECT.
- CLEARANCE PRUNING:** ANY TREE PRUNING OF LOWER LIMBS AND CANOPY OF CONSERVED AND PROTECTED TREES THAT ARE GROWING OVER SIDEWALK, ROADWAY AND/OR ON-SITE CONSTRUCTION ACTIVITIES SHALL BE OVERSEEN AND/OR CONDUCTED BY AN I.S.A CERTIFIED ARBORIST TO ENSURE PROPER REDUCTION CUTS AND PRUNING IS CONDUCTED TO MAINTAIN THE STRUCTURAL INTEGRITY AND HEALTH OF THE TREE. TREES SHALL BE PRUNED TO ADHERE TO A MINIMUM OF EIGHT FEET (8') CLEARANCE OVER SIDEWALKS (PEDESTRIAN ACTIVITIES) AND SIXTEEN FEET (16') CLEARANCE OVER PARKING AREAS/ROADWAYS.

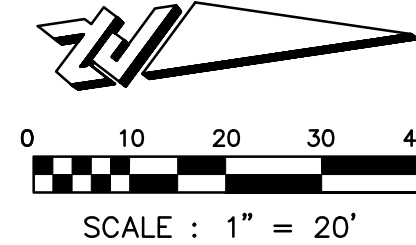
IRRIGATION NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 'REDLINED' MARK-UPS OF THE IRRIGATION IMPROVEMENTS AND PROVIDE TO THE LANDSCAPE ARCHITECT.
- AN AUTOMATIC TIME CONTROLLED IRRIGATION SYSTEM WITH A RAIN SENSOR SHALL BE INSTALLED TO PROVIDE 100% HEAD TO HEAD COVERAGE OF ALL NEW PLANTINGS. IRRIGATION PLAN SHALL BE PROVIDED UPON SUBSTANTIAL SITE PLAN APPROVAL.



PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
ED	6	ELAEAGNUS DECIPENS TM	JAPANESE BLUEBERRY TREE	2 1/2" CAL., 8' HT., MIN.		
QV	8	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	3" D.B.H MIN., 10' HT.		CLEAR TRUNK
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
PM	163	PODOCARPUS MACROPHYLLUS	YEW	36" HT. X 1 1/8" SP.	5 GAL.	24" o.c.
RM	27	ROSA X 'MEIGALPIO'	RED DRIFT ROSE	1 1/8" HT. X 24-36" SP.	3 GAL.	30" o.c.
VOD	125	VIURNUM OBOVATUM 'DENSE'	DWARF WALTERS VIURNUM	24" HT. X 24" SP.	7 GAL.	48" o.c.
ZP	44	ZAMIA PUMILA (ZAMIA FLORIDANA)	COONTIE	15" HT. X 1 1/8" SP.	3 GAL.	36" o.c.
SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
JCB	98	JUNIPERUS CONFERTA 'BLUE PACIFIC'	BLUE PACIFIC SHORE JUNIPER	4" HT. X 12" SP.	3 GAL.	36" o.c.
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
DTV	34	DIANELLA TASMANICA 'VARIEGATA'	FLAX LILY	12" HT. X 12" SP.	1 GAL.	24" o.c.
SOD	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
PNA	2,429 SF	PASPALUM NOTATUM 'ARGENTINE'	BAHIA GRASS			



MINIMUM ON SITE TREES

TOTAL SITE ACREAGE	.69 AC.
TREES REQUIRED ON SITE: (CALCULATION: 30,056.4 AC. / 1,500 S.F. = 20)	20
EXISTING TREES TO BE PRESERVED	15
TREES PROVIDED ON LANDSCAPE PLAN	14
TOTAL NUMBER OF TREES PLANNED ON SITE	29



CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL
PLANNING
TRANSPORTATION

NO. DATE BY SUBMITTALS/REVISIONS

FOR REVIEW ONLY NOT FOR
CONSTRUCTION

SMCC PARKING LOT - PHASE 2 FINAL ENGINEERING PLANS LANDSCAPE PLAN & DETAILS

NASSAU COUNTY, FLORIDA
CITY OF FERNANDINA BEACH

PROJECT NO.: ZC 68003
DESIGNED BY: JES
DRAFTED BY: JES
CHECKED BY: SMG
DRAWING FILE: 68003LA_PH2 XREFS: 68003BAS.DWG XREFS: 68003SURV_PH2.DWG
JAKE E. STEHR, R.L.A., L16867462 NOT VALID WITHOUT SEAL
SHEET: LA1 OF 1

ENGINEERING PLANS

FOR

COTTAGES AT AMELIA

FOR

SIMMONS 9, LLC

COTTAGES AT AMELIA

FOR

SIMMONS 9, LLC

RELEASED FOR CONSTRUCTION BY

GILLETTE & ASSOCIATES, INC.

CIVIL & ENVIRONMENTAL ENGINEERING
MECHANICAL & STRUCTURAL ENGINEERING
PERMITTING & CONSTRUCTION MANAGEMENT

20 SOUTH 4TH STREET AMELIA ISLAND, FLORIDA 32034
PHONE: 904/261-8819

G & A

PERMITTING AGENCIES

CITY OF FERNANDINA BEACH: 904-310-3421
SJRWMD: 904-730-6270

UTILITY PROVIDERS

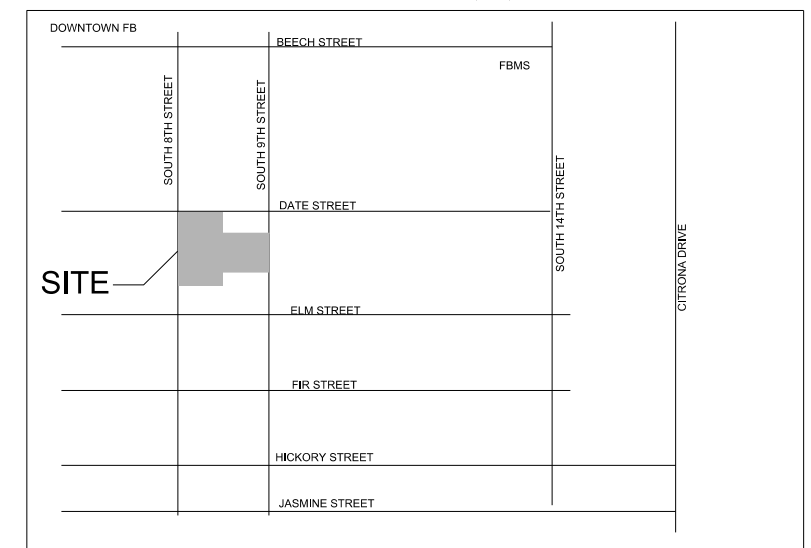
WATER/SEWER: CITY OF FERNANDINA BEACH
ELECTRIC: FLORIDA PUBLIC UTILITIES
CABLE: COMCAST
TELEPHONE: AT&T

G&A Project
No.: 20-10.18

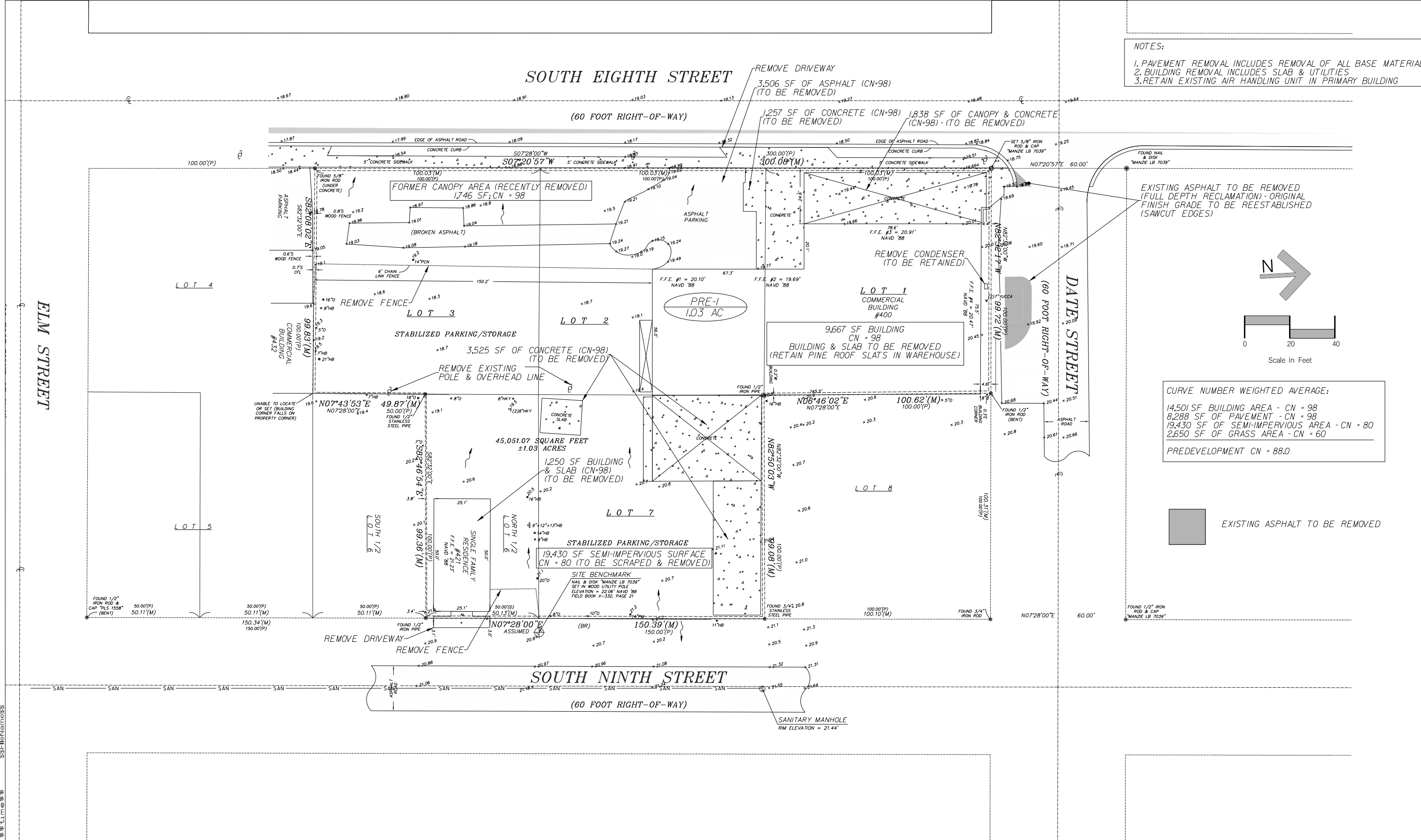
Issue Date: February 20, 2020
Revision Date: June 19, 2020



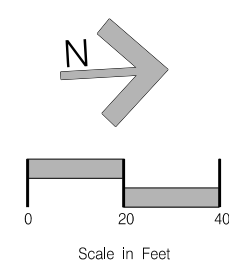
SITE LOCATION MAP



GENERAL NOTES										INDEX					
SITE / GEOMETRY										WATER NOTES		SHEET	DESCRIPTION		
1.ALL WORK SHALL BE PERFORMED IN A SAFE MANNER.ALL SAFETY RULES AND GUIDELINES OF O.S.H.A SHALL BE FOLLOWED.THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES OF HIS EMPLOYEES,AND ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT.ALL COSTS ASSOCIATED WITH COMPLYING WITH O.S.H.A,REGULATIONS AND THE FLORIDA TRENCH SAFETY ACT MUST BE INCLUDED IN THE CONTRACTOR'S PRICE FOR PERFORMING THE WORK. 2.THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE PRIOR TO PREPARING THE BID FOR THE PURPOSE OF FAMILIARIZING HIMSELF WITH THE NATURE AND THE EXTENT OF THE WORK AND LOCAL CONDITIONS,EITHER SURFACE OR SUBSURFACE,WHICH MAY AFFECT THE WORK TO BE PERFORMED,AND THE EQUIPMENT,LABOR AND MATERIALS REQUIRED. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THIS CONTRACT.THE CONTRACTOR IS URGED TO TAKE COLOR PHOTOGRAPHS ALONG THE ROUTE OF THIS PROJECT TO RECORD EXISTING CONDITIONS PRIOR TO CONSTRUCTION,AND TO AID IN RESOLVING POSSIBLE FUTURE COMPLAINTS THAT MAY OCCUR DUE TO CONSTRUCTION OF THE PROJECT.ALL COSTS ASSOCIATED WITH PRELIMINARY INVESTIGATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. 3.ALL IMPROVEMENTS SHOWN ARE TO BE WARRANTED BY THE CONTRACTOR TO THE DEVELOPER. 4.ELEVATIONS ARE BASED ON NAVD 1988. 5.TOPOGRAPHIC AND BOUNDARY INFORMATION WAS PROVIDED BY:MANZIE & DRAKE LAND SURVEYORS (904-491-5700) 6.THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING,RIGHT-OF-WAY PERMITS NOT PROVIDED AND INSURANCE REQUIRED FOR THE PROJECT. 7.THE CONTRACTOR SHALL COORDINATE THE WORK WITHIN COUNTY OR STATE RIGHT-OF-WAY WITH THE PROPER AGENCIES FOR MAINTENANCE OF TRAFFIC AND METHOD OF CONSTRUCTION & REPAIR. 8.THE CONTRACTOR SHALL ADVISE THE OWNER'S AUTHORIZED REPRESENTATIVE OF PLANNED WORK SCEDULE.THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION WITH ALL OTHER CONTRACTORS.IN THE EVENT OF ANY CONFLICT WHATSOEVER,THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD,AND THE OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION. 9.'AS-BUILT'DRAWINGS - AS-BUILTS ARE REQUIRED TO BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR. THEREFORE,IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTRACT WITH A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA FOR THE PREPARATION,FIELD LOCATIONS,CERTIFICATION,AND SUBMITTAL OF 'AS-BUILT' DRAWINGS. 10.'AS-BUILT'RECORD DATA AND INFORMATION SHALL BE MAINTAINED BY THE CONTRACTOR.RECORD DRAWINGS SHALL BE SUPPLIED TO THE ENGINEER. 11.THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SURVEY AND PROPERTY MONUMENTS,IF A MONUMENT IS DISTURBED,THE CONTRACTOR SHALL CONTRACT WITH THE SURVEYOR OF RECORD FOR REINSTALLATION OF THE MONUMENT. 12.ALL DEBRIS RESULTING FROM ALL ACTIVITIES SHALL BE DISPOSED OF OFF-SITE BY CONTRACTOR ON A DAILY BASIS. 13.ALL EXCESS SUITABLE AND UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE BY THE ENGINEER. 14.ALL EXISTING TREES LISTED TO REMAIN SHALL BE PRESERVED AND PROTECTED. 15.THE LOCATION OF ALL EXISTING UTILITIES,STRUCTURES,AND IMPROVEMENTS ON THE DRAWINGS ARE BASED ON LIMITED INFORMATION AND MAY NOT HAVE BEEN FIELD VERIFIED.THE LOCATIONS ARE APPROXIMATE.THE CONTRACTOR SHALL NOTIFY RESPECTIVE UTILITY OWNERS AND FIELD VERIFY LOCATIONS OF EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO COMMENCING ANY CONSTRUCTION,IF THE LOCATIONS SHOWN ARE CONTRARY TO ACTUAL FIELD LOCATIONS.THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF THE DISCREPANCY.THE DISCREPANCY SHOULD BE RESOLVED PRIOR TO COMMENCING CONSTRUCTION.THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN AREAS NEAR EXISTING UTILITY IMPROVEMENTS AND SHALL BE RESPONSIBLE FOR REPAIRS OR PAYMENTS FOR ALL DAMAGE MADE TO EXISTING UTILITIES OR OTHER IMPROVEMENTS.PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION,THE CONTRACTOR SHALL VERIFY ALL GRADES, INVERTS,AND TYPE OF MATERIAL OF EXISTING UTILITIES TO WHICH THEY SHALL CONNECT. 16.THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER ON ALL MATERIALS,FOR REVIEW AND APPROVAL,PRIOR TO PURCHASE OR CONSTRUCTION OF ANY UTILITY OR STRUCTURE. 17.UNSUITABLE MATERIALS UNDER WATER,SEWER,OR STORM PIPE AND/OR STRUCTURES SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL COMPACTED TO 98% OF IT'S MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D1557).										18.ALL WATER & SEWER CONSTRUCTION SHALL BE ACCOMPLISHED BY AN UNDERGROUND UTILITY CONTRACTOR LICENSED UNDER THE PROVISIONS OF CHAPTER 489 FLORIDA STATUTES. 19.WHEN DEWATERING CAPACITY REQUIRES A PERMIT (ICUP),IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE PERMIT THROUGH THE ST.JOHN'S RIVER WATER MANAGEMENT DISTRICT. 20.WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SANITARY HAZARD,THE DISTANCE SHALL BE MEASURED EDGE TO EDGE.WHERE PARALLEL WATER AND SEWER MAINS HAVE LESS THAN 10 FOOT HORIZONTAL SEPARATION,20 FOOT LENGTHS OF C900 (DR18)WATER QUALITY PIPE SHALL BE USED WITH THE JOINTS STAGGERED AT 10 FOOT INTERVALS.THE PIPES SHALL BE PLACED IN SEPARATE TRENCHES WITH THE WATER MAIN AT LEAST 18 INCHES ABOVE THE SEWER. 21.WATER MAINS CROSSING SANITARY HAZARDS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER MAIN.WHERE WATER AND SEWER MAINS CROSS WITH BETWEEN 18 INCHES AND 6 INCHES OF VERTICAL CLEARANCE,A 20 FOOT SECTION OF C900 (DR18)WATER QUALITY PIPE SHALL BE CENTERED ON THE POINT OF THE CROSSING.THE CONTRACTOR SHALL FIELD VERIFY THE VERTICAL SEPARATION,THE MINIMUM SEPARATION BETWEEN WATER AND SEWER PIPES IS TO BE 6 INCHES OUTSIDE DIAMETER TO OUTSIDE DIAMETER. 22.NO WATER MAIN PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SEWER MANHOLE. 23.BLANK 24.TRACER WIRE SHALL BE PROVIDED ON ALL WATER MAINS AND FORCE MAINS.TRACER WIRE SHALL BE A MINIMUM OF 14 GAUGE SOLID COPPER WIRE,COATED,AND SUITABLE FOR BURIAL.WIRE SHALL BE ATTACHED DIRECTLY TO TOP OF PIPE AND BROUGHT INTO EACH VALVE BOX AND COILED TO ALLOW FOR EASY ACCESS AND EXTENSION ABOVE FINISHED GRADE FOR ATTACHMENT OF LOCATING EQUIPMENT. 25.ALL PIPE LENGTHS ARE APPROXIMATE DIMENSIONS,ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED TO CONFORM WITH TYPICAL SECTIONS AND DETAILS AS SHOWN ON THE MISCELLANEOUS DETAILS SHEET AND IN ACCORDANCE WITH THE SPECIFICATIONS. 26.ALL UNDERGROUND UTILITIES MUST BE INSTALLED PRIOR TO PREPARATION OF SUBGRADE FOR PAVEMENT. 27.GRADES SHOWN ON PLANS ARE EDGE OF PAVEMENT FINISHED GRADES UNLESS OTHERWISE NOTED. 28.SHOULD THE SURFACE OR SUBSURFACE CONDITIONS VARY FROM WHAT IS SHOWN ON THE PLANS,THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. 29.ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE SEEDED AND MULCHED UNLESS OTHERWISE SPECIFICALLY STATED. 30.THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF SEDIMENT-LADEN RUNOFF RESULTING FROM STORM EVENTS DURING THE CONSTRUCTION PHASE.EROSION CONTROL FACILITIES SHOULD BE INSTALLED EARLY DURING THE CONSTRUCTION PERIOD SO AS TO PREVENT THE TRANSPORT OF SEDIMENT INTO SURFACE WATERS,RE-VEGETATION AND STABILIZATION OF DISTURBED AREAS SHOULD BE ACCOMPLISHED IMMEDIATELY TO REDUCE THE POTENTIAL FOR FURTHER SOIL EROSION. 31.ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND THE CITY OF FERNANDINA BEACH BEFORE COMMENCING WORK. 32.MINIMUM COVER OVER PIPES SHALL BE 36"UNLESS OTHERWISE INDICATED. 33.ALL UNDERGROUND UTILITY COMPANIES SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION. 34.IN ADDITION TO THE SPECIFICATIONS AND DETAILS PROVIDED FOR THIS CONTRACT,THE CITY OF FERNANDINA BEACH STANDARD DETAILS AND SPECIFICATIONS (LATEST REVISION)SHALL ALSO BE USED FOR ANY ITEMS NOT COVERED.IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A SET OF STANDARD DETAILS AND SPECIFICATIONS FROM THE CITY OF FERNANDINA BEACH. 35.BACKFILL MATERIAL SHALL BE COMPACTED TO 100% (.2%)PER CITY OF FERNANDINA BEACH REQUIREMENTS UNDER EXISTING AND PROPOSED ROADWAYS. 36.NO FIELD CHANGES OR DEVIATIONS FROM DESIGN TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER. 37.STATIONING REFERS TO THE CENTERLINE OF THE ROADWAY EXCEPT AS NOTED ON PLANS.WHERE PAVEMENT SPLITS, THE STATIONING FOLLOWS THE INSIDE EDGE OF PAVEMENT UNTIL ROADWAY TRANSITIONS BACK TO THE TYPICAL ROADWAY SECTION 38.ALL CONSTRUCTION,MATERIAL,AND WORKMANSHIP ARE TO BE IN ACCORDANCE WITH THE CITY OF FERNANDINA BEACH AND CITY OF FERNANDINA BEACH STANDARDS.		1.WATER MAINS SHALL HAVE A MINIMUM OF 36"COVER UNDER PAVEMENT OR 30"COVER FROM FINISHED GRADE UNLESS OTHERWISE SHOWN.ALL WATER MAINS SHALL BE FLUSHED IN ACCORDANCE WITH,AND UNDER THE DIRECTION OF THE UTILITY COMPANY. 2.THRUST RESTRAINTS ARE REQUIRED IN ACCORDANCE WITH UTHE UTILITY COMPANY STANDARDS WHERE WATER MAINS ARE TERMINATED AND AT ALL BENDS AND TEES. 3.TIE RODS SHALL BE INSTALLED ON ALL VALVES LOCATED AT FITTINGS,ALL 10" AND LARGER VALVES AND LARGER SHALL REQUIRE (4)TIE RODS.MEGA LUG JOINT RESTRAINTS MAY BE USED IN LIEU OF THRUST BLOCKS OR TIE RODS. 4.UNLESS OTHERWISE NOTED,WATER MAINS ARE TO BE PVC DR18,DR-25,C-900 (BLUE),CLASS 150. 5.ALL WATER MAINS SHALL BE BACTERIOLOGICAL AND PRESSURE TESTED IN ACCORDANCE WITH ANWA C-600.NO CONNECTION TO EXISTING POTABLE WATER SYSTEM SHALL BE ALLOWED UNTIL ALL PROPOSED WATER MAINS HAVE BEEN PRESSURE TESTED, DISINFECTED,AND CLEARED FOR SERVICE.THE UTILITY COMPANY'S AUTHORIZED REPRESENTATIVE MUST BE NOTIFIED 48 HOURS PRIOR TO PERFORMING THE PRESSURE TEST AND MUST BE PRESENT. 6.THE CONTRACTOR SHALL AVOID SERVICE INTERRUPTIONS AND MAINTAIN ANY EXISTING WATER SERVICE TO MEET THE SYSTEM DEMANDS AT ALL TIMES.THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF AFFECTED CUSTOMERS OF THE UTILITY A MINIMUM OF 48 HOURS IN ADVANCE OF ANY INTERRUPTION OF SERVICE.BOIL WATER NOTICES SHALL BE DELIVERED IN ACCORDANCE WITH THE UTILITY COMPANY BOIL WATER NOTICE REQUIREMENTS. 7.ALL MAIN FLUSHING POINTS SHALL BE SAME SIZE AS MAIN UP TO 8 INCH WATER MAINS.FLUSHING POINTS FOR MAINS LARGER THAN 8 INCH SHALL BE REDUCED TO 8 INCH. 8.ALL WATER MAINS SHALL BE DISINFECTED USING LIQUID CHLORINE OR HYPOCHLORITES IN ACCORDANCE TO ANWA C651-86. WATER IN MAIN SHALL MAINTAIN A CHLORINE RESIDUAL OF 50 MG/L FOR A MINIMUM OF 24 HOURS.WATER MAIN SHALL NOT BE PLACED IN SERVICE UNTIL CLEARANCE HAS BEEN PROVIDED BY THE APPROPRIATE REGULATING AGENCY AND UMITED WATER FLORIDA. 9.IF SOLVENT CONTAMINATION IS FOUND IN THE PIPE TRENCH,WORK SHALL BE STOPPED AND THE PROPER AUTHORITIES NOTIFIED.BASED ON APPROVAL OF THE PERMITTING AGENCY,DUCTILE IRON PIPE,FITTINGS,AND SOLVENT RESISTANT GASKET MATERIAL SUCH AS FLUOROCARBON SHALL BE USED IN THE CONTAMINATED AREA.THE DUCTILE IRON PIPE SHALL EXTEND AT LEAST 100 FEET BEYOND ANY SOLVENT NOTED,ANY CONTAMINATED SOIL THAT IS EXCAVATED SHALL BE PLACED ON AN IMPERMEABLE MAT AND COVERED WITH A WATER PROOF COVERING.THE PROPER AUTHORITIES WILL BE NOTIFIED AND THE CONTAMINATED SOIL HELD FOR PROPER DISPOSAL. 10.2" FLUSHING HYDRANTS SHALL BE INSTALLED AT ALL DEAD END LINES AND MAIN LINE STUB-OUTS. 11.A SEPARATE WATER SERVICE SHALL BE REQUIRED FOR EACH UNIT SERVED AND SHALL BE INSTALLED 3 FEET EITHER SIDE OF PROPERTY LINE.ALL WATER SERVICES SHALL BE MARKED WITH A "W" ETCHED ON THE CURB.ALL VALVES SHALL BE MARKED WITH A "V" ETCHED ON THE CURB. 12.ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UTILITY COMPANY'S STANDARDS. 13.ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED AT THE CONSUMER'S METER OR AT THE PROPERTY LINE WHEN A METER IS NOT USED. 14.BACKFLOW PREVENTION ASSEMBLIES SHALL BE TESTED BY A STATE OF FLORIDA LICENSED BACKFLOW TECHNICIAN,TEST RESULTS SHALL BE SUBMITTED TO AND APPROVED BY THE UTILITY COMPANY PRIOR TO ACCEPTANCE OF INSTALLATION. 15.MAXIMUM DEPTH ON WATER SERVICES TO METER TO BE 36".		ALL PERMITTING AGENCIES	
														1	COVER SHEET
														2	INDEX SHEET
3	PRE-DEVELOPMENT DRAINAGE/DEMOLITION PLAN														
4	GEOMETRY PLAN														
5	POST DEVELOPMENT DRAINAGE PLAN														
6	TREE REMOVAL/RETENTION PLAN														
7	MISCELLANEOUS DETAILS														
8	SEWER DETAILS														
9	WATER DETAILS														
										FIRE NOTES					
										1.WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED,COMPLETED,AND IN SERVICE PRIOR TO COMMENCING CONSTRUCTION WORK ON ANY STRUCTURE.(NFPA 1,16.4.3J.3,2009 EDITION)					
										2.CLEARANCES OF SEVEN AND ONE HALF FEET (7 FT-6 IN.) IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANT,WITH A FOUR FOOT CLEARANCE TO THE REAR OF THE HYDRANT.(NFPA 1,18.3.4J,2009)					
										3.NEW FIRE HYDRANT(S) SHALL BE INSTALLED SO THAT POSITIONED NOT MORE THAN 7 FEET 6 INCHES AWAY FROM CURB OR BERM OF THE ROADWAY.					
										SEWER NOTES					
										1.THE CONTRACTOR SHALL PROVIDE,TO THE ENGINEER OF RECORD ,A SCHEDULE OF INVERT ELEVATIONS OF ALL SANITARY MANHOLES PRIOR TO THE PLACEMENT OF THE LIME ROCK BASE COURSE,THIS SCHEDULE TO BE PROVIDED BY THE REGISTERED LAND SURVEYOR SUBMITTING THE 'AS-BUILT'DRAWINGS FOR THIS PROJECT.					
										2.SANITARY SEWER SERVICES SHALL BE 6"PV WITH A MINIMUM SLOPE OF 0.006 FEET PER FOOT AND SHALL BE TERMINATED AT THE RIGHT-OF-WAY LINE WITH A DEPTH OF 24" TO 48" FROM THE FINAL FINISHED GRADE OF THE DEVELOPED LOTS.DEPTHS GREATER THAN 48" FROM FINAL FINISHED GRADE SHALL BE READJUSTED BY THE DEVELOPER AT HIS COST.					
										3.GRAVITY SEWER TO BE CLEANED & TV TESTED BY DEVELOPER AT DEVELOPER'S EXPENSE					
										4.ALL MANHOLE FRAMES AND COVERS TO BE ADJUSTED TO FINAL FINISHED GRADE.					
										5.A SEPARATE SEWER SERVICE (6" MIN) SHALL BE PROVIDED TO THE RIGHT-OF-WAY FOR EACH LOT BEING SERVED,AN 'S' SHALL BE ETCHED INTO THE CURB DIRECTLY OVER EACH SERVICE LINE OR IN THE STREET SIDE OF A SIDEWALK IN LINE WITH THE CLEANOUT.					
										6.GRAVITY SEWER TO BE GREEN IN COLOR					
										7.NEW GRAVITY SEWER SYSTEM SHALL BE PLUGGED AT NEAREST EXISTING DOWNSTREAM MANHOLE AND SHALL NOT BE REMOVED WITHOUT AUTHORIZATION FROM THE UTILITY COMPANY.EXISTING MANHOLES TO BE COREBORED AND ARRANGEMENTS MADE TO BE REFURBISHED WITH COMPATIBLE MATERIALS IF THE EXISTING MANHOLE IS ALLOWED TO BE USED.					
										8.FINISHED FLOOR ELEVATIONS SHALL BE GREATER (HIGHER) THAN THE ELEVATION OF THE MANHOLE NEAREST THE SERVICE LATERAL IN ORDER TO AVOID A POTENTIAL BACKUP OF SEWERAGE IN THE HOUSE OR BUILDING.					
										9.FORCE MAIN MUST PASS A PRESSURE TEST PRIOR TO ACCEPTANCE OF THE SYSTEM.THE PRESSURE TEST SHALL COMPLY WITH ANWA C-600 SECTION 4J,STANDARD FOR HYDROSTATIC TESTING,PRESSURE TEST MUST BE WITNESSED AND APPROVED BY AN AUTHORIZED UTILITY COMPANY REPRESENTATIVE.					
										10.ALL GRAVITY SEWER PIPE TO A 10 FOOT DEPTH OF COVER SHALL BE SDR-26 PVC PIPE (MINIMUM).GRAVITY SEWER PIPE WITH COVER OF 15 FEET (AND IN EASEMENTS) AND GREATER SHALL BE C900 -DR18,JOINT SHALL BE OF THE BELL AND SPIGOT TYPE AND MEET THE REQUIREMENTS OF THE PIPE REFERRED BEING USED.					
										11.WHEN A PROPERTY LINE CAN NOT BE DEFINED,THE SEWER CLEANOUT SHALL BE PLACED IN AN UNPAVED AREA AT A DISTANCE NO GREATER THAN 30 FEET FROM THE SEWER MAIN.					
										12.NOTE: DR-18 TO BE USED ON SEWER LINE CROSSING WHERE STORM DRAIN IS WITHIN 24 INCHES ABOVE GRAVITY ALSO JOINT TO BE CENTERED AT CROSSING					
										13.ALL MANHOLES TO HAVE MINIMUM 24" HINGED RING AND COVER EAST JORDAN OR APPROVED EQUIVALENT					
										14,SEWER PLUGS USED DURING THE CONSTRUCTION OR CONNECTION TO A SYSTEM SHALL HAVE THE CONTRACTOR'S NAME PERMANENTLY STAMPED.					
										15.THE MANHOLE LINER SHALL BE SPECTRA SHIELD OR APPROVED EQUIVALENT.					
										16.IN ACCORDANCE WITH THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) REQUIREMENTS,LEAKAGE TESTING SHALL BE PERFORMED ON ALL SEGMENTS OF THE SEWER SYSTEM,TESTING MAY INCLUDE APPROPRIATE WATER OR LOW PRESSURE AIR TESTING,TEST METHODS SHALL TAKE INTO CONSIDERATION THE RANGE IN GROUNDWATER ELEVATIONS DURING THE TEST AND ANTICIPATED DURING THE DESIGNED LIFE OF THE SEWER,NO LEAKAGE ALLOWED IN SYSTEM.					
										17.RESTRAINT JOINTS TO BE USED THROUGHOUT ON FORCE MAIN					
										18. ALL FORCE MAIN TO BE PVC (DR-18)					
LEGEND															



NOTES:
1. PAVEMENT REMOVAL INCLUDES REMOVAL OF ALL BASE MATERIAL
2. BUILDING REMOVAL INCLUDES SLAB & UTILITIES
3. RETAIN EXISTING AIR HANDLING UNIT IN PRIMARY BUILDING



CURVE NUMBER WEIGHTED AVERAGE:
14,501 SF BUILDING AREA - CN = 98
8,288 SF OF PAVEMENT - CN = 98
19,430 SF OF SEMI-IMPERVIOUS AREA - CN = 80
2,650 SF OF GRASS AREA - CN = 60
PREDEVELOPMENT CN = 88.0

EXISTING ASPHALT TO BE REMOVED

L J T H C O F E D C B No				Scale: Project Mgr: NG Designed by: NG Drawn by: BM QA/QC: AG				Gillette & Associates, Inc. 20 South 4th Street Fernandina Beach, FL 32034 Certificate of Authorization No. 9332 DO NOT SCALE THIS DRAWING - DIMENSIONS AND NOTES TAKE PREFERENCE. DRAWING IS REDUCED IF LESS THAN 22" x 34"				G & A GILLETTE & ASSOCIATES, INC. 20 SOUTH 4TH STREET FERNANDINA BEACH, FL 32034 PHONE: (904) 261-8819				COTTAGES AT AMELIA				SIMMONS 9, LLC				PREDEVELOPMENT DRAINAGE/ DEMOLITION PLAN				SHEET NO. PRE-1 3 of 9 Issue Date FEBRUARY 2020 Project No. 20-10.35				Registered Professional			
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D	NG	6/19/20	Revised to address City of FB Comments
C	NG	6/16/20	Revised to address City of FB Comments
B	NG	4/13/20	Revised to address City of FB Comments
A			
No	By	Date	Revision

Scale:		
Project Mgr:	NG	Gillette & Associates, Inc. 20 South 4th Street Fernandina Beach, FL 32034
Designed by:	NG	
Drawn by:	BM	Certificate of Authorization No. 9332
QA/QC:	AG	
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G & A
GILLETTE & ASSOCIATES, INC.
20 SOUTH 4TH STREET
FERNANDINA BEACH, FL 32034
PHONE: (904) 261-8819

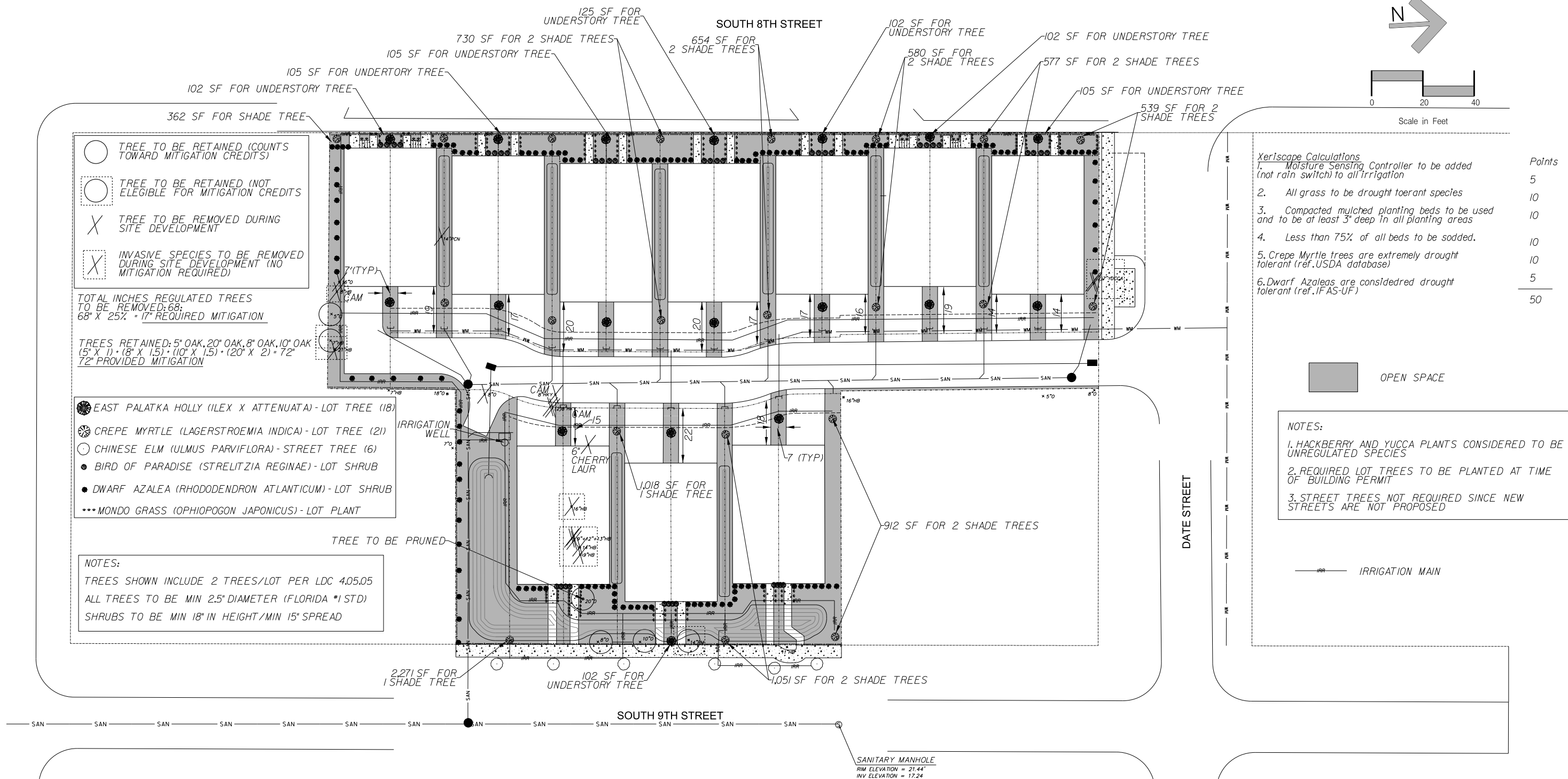
COTTAGES AT AMELIA

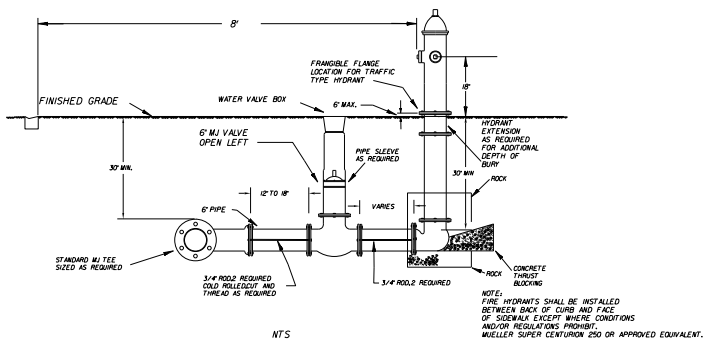
SIMMONS 9, LLC

TREE RETENTION/REMOVAL/
MITIGATION PLAN

Registered Professional

SHEET NO. TREE-1
6 of 9
Issue Date FEBRUARY 2020
Project No. 20-10.35





HYDRANT INSTALLATION WITH TIE RODS

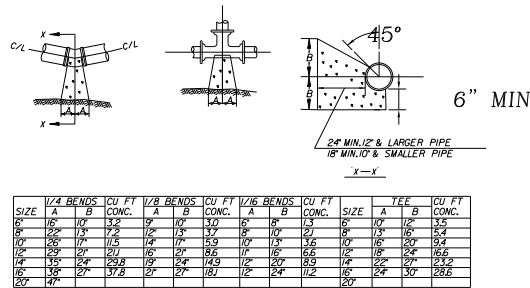


TABLE 1: THRUST BLOCKS FOR BENDS & TEE'S

SIZE	1/4 BENDS	CU FT CONC.	1/2 BENDS	CU FT CONC.	3/4 BENDS	CU FT CONC.	TEE	CU FT CONC.
A	B		A	B		A	B	
6"	16"	10"	3"	9"	10"	3"	6"	10"
8"	24"	14"	4"	12"	14"	4"	8"	14"
10"	36"	21"	6"	18"	21"	6"	10"	21"
12"	48"	28"	8"	24"	28"	8"	12"	28"
14"	60"	35"	10"	30"	35"	10"	14"	35"
16"	72"	42"	12"	36"	42"	12"	16"	42"
18"	84"	49"	14"	42"	49"	14"	18"	49"
20"	96"	56"	16"	48"	56"	16"	20"	56"
22"	108"	63"	18"	54"	63"	18"	22"	63"
24"	120"	70"	20"	60"	70"	20"	24"	70"
26"	132"	77"	22"	66"	77"	22"	26"	77"
28"	144"	84"	24"	72"	84"	24"	28"	84"
30"	156"	91"	26"	78"	91"	26"	30"	91"
32"	168"	98"	28"	84"	98"	28"	32"	98"
34"	180"	105"	30"	90"	105"	30"	34"	105"
36"	192"	112"	32"	96"	112"	32"	36"	112"
38"	204"	119"	34"	102"	119"	34"	38"	119"
40"	216"	126"	36"	108"	126"	36"	40"	126"
42"	228"	133"	38"	114"	133"	38"	42"	133"
44"	240"	140"	40"	120"	140"	40"	44"	140"
46"	252"	147"	42"	126"	147"	42"	46"	147"
48"	264"	154"	44"	132"	154"	44"	48"	154"
50"	276"	161"	46"	138"	161"	46"	50"	161"
52"	288"	168"	48"	144"	168"	48"	52"	168"
54"	300"	175"	50"	150"	175"	50"	54"	175"
56"	312"	182"	52"	156"	182"	52"	56"	182"
58"	324"	189"	54"	162"	189"	54"	58"	189"
60"	336"	196"	56"	168"	196"	56"	60"	196"
62"	348"	203"	58"	174"	203"	58"	62"	203"
64"	360"	210"	60"	180"	210"	60"	64"	210"
66"	372"	217"	62"	186"	217"	62"	66"	217"
68"	384"	224"	64"	192"	224"	64"	68"	224"
70"	396"	231"	66"	198"	231"	66"	70"	231"
72"	408"	238"	68"	204"	238"	68"	72"	238"
74"	420"	245"	70"	210"	245"	70"	74"	245"
76"	432"	252"	72"	216"	252"	72"	76"	252"
78"	444"	259"	74"	222"	259"	74"	78"	259"
80"	456"	266"	76"	228"	266"	76"	80"	266"
82"	468"	273"	78"	234"	273"	78"	82"	273"
84"	480"	280"	80"	240"	280"	80"	84"	280"
86"	492"	287"	82"	246"	287"	82"	86"	287"
88"	504"	294"	84"	252"	294"	84"	88"	294"
90"	516"	301"	86"	258"	301"	86"	90"	301"
92"	528"	308"	88"	264"	308"	88"	92"	308"
94"	540"	315"	90"	270"	315"	90"	94"	315"
96"	552"	322"	92"	276"	322"	92"	96"	322"
98"	564"	329"	94"	282"	329"	94"	98"	329"
100"	576"	336"	96"	288"	336"	96"	100"	336"
102"	588"	343"	98"	294"	343"	98"	102"	343"
104"	600"	350"	100"	300"	350"	100"	104"	350"
106"	612"	357"	102"	306"	357"	102"	106"	357"
108"	624"	364"	104"	312"	364"	104"	108"	364"
110"	636"	371"	106"	318"	371"	106"	110"	371"
112"	648"	378"	108"	324"	378"	108"	112"	378"
114"	660"	385"	110"	330"	385"	110"	114"	385"
116"	672"	392"	112"	336"	392"	112"	116"	392"
118"	684"	399"	114"	342"	399"	114"	118"	399"
120"	696"	406"	116"	348"	406"	116"	120"	406"
122"	708"	413"	118"	354"	413"	118"	122"	413"
124"	720"	420"	120"	360"	420"	120"	124"	420"
126"	732"	427"	122"	366"	427"	122"	126"	427"
128"	744"	434"	124"	372"	434"	124"	128"	434"
130"	756"	441"	126"	378"	441"	126"	130"	441"
132"	768"	448"	128"	384"	448"	128"	132"	448"
134"	780"	455"	130"	390"	455"	130"	134"	455"
136"	792"	462"	132"	396"	462"	132"	136"	462"
138"	804"	469"	134"	402"	469"	134"	138"	469"
140"	816"	476"	136"	408"	476"	136"	140"	476"
142"	828"	483"	138"	414"	483"	138"	142"	483"
144"	840"	490"	140"	420"	490"	140"	144"	490"
146"	852"	497"	142"	426"	497"	142"	146"	497"
148"	864"	504"	144"	432"	504"	144"	148"	504"
150"	876"	511"	146"	438"	511"	146"	150"	511"
152"	888"	518"	148"	444"	518"	148"	152"	518"
154"	900"	525"	150"	450"	525"	150"	154"	525"
156"	912"	532"	152"	456"	532"	152"	156"	532"
158"	924"	539"	154"	462"	539"	154"	158"	539"
160"	936"	546"	156"	468"	546"	156"	160"	546"
162"	948"	553"	158"	474"	553"	158"	162"	553"
164"	960"	560"	160"	480"	560"	160"	164"	560"
166"	972"	567"	162"	486"	567"	162"	166"	567"
168"	984"	574"	164"	492"	574"	164"	168"	574"
170"	996"	581"	166"	498"	581"	166"	170"	581"
172"	1008"	588"	168"	504"	588"	168"	172"	588"
174"	1020"	595"	170"	510"	595"	170"	174"	595"
176"	1032"	602"	172"	516"	602"	172"	176"	602"
178"	1044"	609"	174"	522"	609"	174"	178"	609"
180"	1056"	616"	176"	528"	616"	176"	180"	616"
182"	1068"	623"	178"	534"	623"	178"	182"	623"
184"	1080"	630"	180"	540"	630"	180"	184"	630"
186"	1092"	637"	182"	546"	637"	182"	186"	637"
188"	1104"	644"	184"	552"	644"	184"	188"	644"
190"	1116"	651"	186"	558"	651"	186"	190"	651"
192"	1128"	658"	188"	564"	658"	188"	192"	658"
194"	1140"	665"	190"	570"	665"	190"	194"	665"
196"	1152"	672"	192"	576"	672"	192"	196"	672"
198"	1164"	679"	194"	582"	679"	194"	198"	679"
200"	1176"	686"	196"	588"	686"	196"	200"	686"
202"	1188"	693"	198"	594"	693"	198"	202"	693"
204"	1200"	700"	200"	600"	700"	200"	204"	700"
206"	1212"	707"	202"	606"	707"	202"	206"	707"
208"	1224"	714"	204"	612"	714"	204"	208"	714"
210"	1236"	721"	206"	618"	721"	206"	210"	721"
212"	1248"	728"	208"	624"	728"	208"	212"	728"
214"	1260"	735"	210"	630"	735"	210"	214"	735"
216"	1272"	742"	212"	636"	742"	212"	216"	742"
218"	1284"	749"	214"	642"	749"	214"	218"	749"
220"	1296"	756"	216"	648"	756"	216"	220"	756"
222"	1308"	763"	218"	654"	763"	218"	222"	763"
224"	1320"	770"	220"	660"	770"	220"	224"	770"
226"	1332"	777"	222"	666"	777"	222"	226"	777"
228"	1344"	784"	224"	672"	784"	224"	228"	784"
230"	1356"	791"	226"	678"	791"	226"	230"	791"
232"	1368"	798"	228"	684"	798"	228"	232"	798"
234"	1380"	805"	230"	690"	805"	230"	234"	805"
236"	1392"	812"	232"	696"	812"	232"	236"	812"
238"	1404"	819"	234"	702"	819"	234"	238"	819"
240"	1416"	826"	236"	708"	826"	236"	240"	826"
242"	1428"	833"	238"	714"	833"	238"	242"	833"
244"	1440"	840"	240"	720"	840"	240"	244"	840"
246"	1452"	847"	242"	726"	847"	242"	246"	847"
248"	1464"	854"	244"	732"	854"	244"	248"	854"
250"	1476"	861"	246"	738"	861"	246"	250"	861"
252"	1488"	868"	248"	744"	868"	248"	252"	868"
254"	1500"	875"	250"	750"	875"	250"	254"	875"
256"	1512"	882"	252"	756"	882"	252"	256"	882"
258"	1524"	889"	254"	762"	889"	254"	258"	889"
260"	1536"	896"	256"	768"	896"	256"	260"	896"
262"	1548"	903"	258"	774"	903"	258"	262"	903"
264"	1560"	910"	260"	780"	910"	260"	264"	910"
266"	1572"	917"	262"	786"	917"	262"	266"	917"
268"	1584"	924"	264"	792"	924"	264"	268"	924"
270"	1596"	931"	266"	798"	931"	266"	270"	931"
272"	1608"	938"	268"	804"	938"	268"	272"	938"
274"	1620"	945"	270"	810"	945"	270"	274"	945"
276"	1632"	952"	272"	816"	952"	272"	276"	952"
278"	1644"	959"	274"	822"	959"	274"	278"	959"
280"	1656"	966"	276"	828"	966"	276"	280"	966"
282"	1668"	973"	278"	834"	973"	278"	282"	973"
284"	1680"	980"	280"	840"	980"	280"	284"	980"
286"	1692"	987"	282"	846"	987"	282"	286"	987"
288"	1704"	994"	284"	852"	994"	284"	288"	994"
290"	1716"	1001"	286"	858"	1001"	286"	290"	1001"
292"	1728"	1008"	288"	864"	1008"	288"	292"	1008"
294"	1740"	1015"	290"	870"	1015"	290"	294"	1015"
296"	1752"	1022"	292"	876"	1022"	292"	296"	1022"
298"	1764"	1029"	294"	882"	1029"	294"	298"	1029"
300"	1776"	1036"	296"	888"	1036"	296"	300"	1036"
302"	1788"	1043"	298"	894"	1043"	298"	302"	1043"
304"	1800"	1050"	300"	900"	1050"	300"	304"	1050"
306"	1812"	1057"	302"	906"	1057"	302"	306"	1057"
308"	1824"	1064"	304"	912"	1064"	304"	308"	1064"
310"	1836"	1071"	306"	918"	1071"	306"	310"	1071"
312"	1848"	1078"	308"	924"	1078"	308"	312"	1078"
314"	1860"	1085"	310"	930"	1085"	310"	314"	1085"
316"	1872"	1092"	312"	936"	1092"	312"	316"	1092"
318"	1884"	1099"	314"	942"	1099"	314"	318"	1099"
320"	1896"	1106"	316"	948"	1106"	316"	320"	1106"
322"	1908"	1113"	318"	954"	1113"	318"	322"	1113"
324"	1920"	1120"	320"	960"	1120"	320"	324"	1120"
32								