### GAUDET GCS DEVELOPMENT

**FOR** 

### MR. STEVE GAUDET

## 501 S. ORANGE AVE, GREEN COVE SPRINGS, FL 32043

CLAY COUNTY, FLORIDA

PROJECT OWNER AND CONSULTANTS

OWNER: Mr. Steve Gaudet

> 12916 Rocky River Road S. Jacksonville, FL 32224 TEL: 904-540-0821

All American Surveyors of Florida, Inc. SURVEYOR:

3751 San Jose Place, Suite 15 Jacksonville, FL 32257 TEL: (904) 279-0068

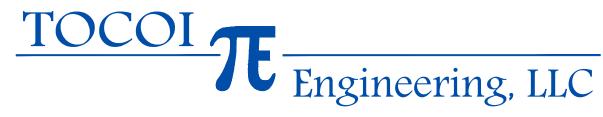
**ENGINEER:** Tocoi Engineering, LLC

Charles Sohm, P.E. 714 North Orange Avenue Green Cove Springs, FL 32043

TEL: 904-215-1388



**LOCATION MAP** 



714 NORTH ORANGE AVENUE, GREEN COVE SPRINGS, FL 32043 E.B. NUMBER: 26383 PH: 904-215-1388 "TURNING YOUR IDEAS INTO REALITY" www.tocoi.com

> PRELIMINARY PLANS June 8, 2022



- **COVER SHEET**
- **GENERAL NOTES**
- **EXISTING GROUND**
- **DEMOLITION PLAN GEOMETRY PLAN**
- GRADING AND DRAINAGE PLAN
- PAVING AND SIGNAGE DETAILS



CALL BEFORE YOU DIG 800-432-4770 AND 904-269-6359

21-425

TE JOB NO:

CHARLES SOHM, P.E. FLA. REGISTERED ENGINEER, #79289

#### **GENERAL NOTES:**

- 2. 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 CONTRACTORS BID.
- 3. 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 ALSO URGED TO TAKE COLOR PHOTOGRAPHS ALONG THE ROUTE OF THE PROJECT TO RECORD EXISTING CONDITIONS PRIOR TO CONSTRUCTION, AND TO AID IN RESOLVING POSSIBLE FUTURE COMPLAINTS THAT MAY OCCUR DUE TO THE CONSTRUCTION OF THE PROJECT.
- 4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EITHER CONDUCT ANY FIELD EXPLORATION OR ACQUIRE ANY GEOTECHNICAL ASSISTANCE REQUIRED TO ESTIMATE THE AMOUNT OF UNSUITABLE MATERIAL THAT WILL REQUIRE REMOVAL AND/OR TO ESTIMATE THE AMOUNT OF OFF SITE BORROW THAT WILL BE REQUIRED.
- ALL IMPROVEMENTS SHOWN ARE TO BE WARRANTED BY THE CONTRACTOR TO THE DEVELOPER AND CITY OF G.C.S. FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER AND CITY OF G.C.S..
- ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (N.G.V.D.) UNITED STATES COASTAL AND GEODETIC SURVEY (U.S.C. & G.S.), AS DETERMINED BY EILAND AND ASSOCIATES. INC.
- 7. FOR BOUNDARY, ROADWAY AND LOT GEOMETRY INFORMATION SEE PLAT.
- 8. THE CONTRACTOR WILL CONTRACT WITH AN INDEPENDENT TESTING LABORATORY TO PERFORM MATERIAL TESTING AND SOIL TESTING IN ACCORDANCE WITH CITY OF G.C.S. AND/OR G.C.S.P.W. REQUIREMENTS. THIS SHALL INCLUDE DENSITY TESTS IN ALL PAVEMENT AREAS AND IN ALL UTILITY TRENCHES LOCATED IN PAVEMENT AREAS CONCRETE TESTING AND ALL OTHER MATERIAL TESTING. PRIOR TO LIMEROCK PLACEMENT, THE PROJECT GEOTECHNICAL ENGINEER SHALL MAKE RECOMMENDATION FOR UNDER DRAIN PLACEMENT.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE REQUIRED FOR THE PROJECT INCLUDING CITY RIGHT-OF-WAY PERMITS FOR WORK IN CITY OF G.C.S. RIGHT-OF-WAY OR EASEMENT.
- 10. THE CONTRACTOR SHALL COORDINATE THE WORK WITHIN CITY OF G.C.S. OR STATE RIGHT-OF-WAY WITH THE PROPER AGENCIES FOR MAINTENANCE OF TRAFFIC AND METHOD OF CONSTRUCTION AND REPAIR
- 11. ALL PUBLIC DRAINAGE EASEMENTS SHALL BE "UNOBSTRUCTED" EASEMENTS. ALL "UNOBSTRUCTED" EASEMENTS TO BE CLEAR AND DRIVEABLE.
- 12. "AS-BUILT" DRAWINGS AS-BUILTS TO CITY OF G.C.S. AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT 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 IN ACCORDANCE WITH CURRENT CITY OF G.C.S. & G.C.S.P.W. STANDARDS AND SPECIFICATIONS AND SJRWMD REGULATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROCESS THE "AS-BUILT" DRAWINGS FOR APPROVAL BY CITY OF G.C.S..
- 13. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION WITH ALL OTHER CONTRACTORS. IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 14. ALL CLEARING AND GRUBBING REQUIRED FOR ALL ROADWAY, UTILITIES, DITCHES, AND BERMS INCLUDED IN THIS PROJECT AND THE CLEARING AND GRUBBING OF ALL RIGHT-OF-WAY OR EASEMENTS SHALL BE CONSIDERED AS PART OF THE PROJECT.
- 15. ALL AREAS SHOWN TO BE FILLED SHALL BE CLEARED AND GRUBBED IN ACCORDANCE WITH CITY OF G.C.S. STANDARDS AND SHALL BE FILLED WITH CLEAN STRUCTURAL FILL COMPACTED AND TESTED IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION REPORT.
- 16. 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.
- ALL DEBRIS RESULTING FROM ALL ACTIVITIES SHALL BE DISPOSED OF OFF-SITE BY CONTRACTOR.
- 18. ALL EXCESS SUITABLE AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE BY ENGINEER OR OWNER.
- 19. ALL EXISTING TREES TO REMAIN SHALL BE PRESERVED AND PROTECTED.
- BURNING OF TREES, BRUSH AND OTHER MATERIAL SHALL BE APPROVED, PERMITTED AND COORDINATED WITH CITY OF G.C.S. FIRE MARSHAL.

- 21. ROADWAY UNDER DRAINS SHALL BE AS REQUIRED ON THE PLANS OR AS MAY BE DETERMINED NECESSARY BY THE GEOTECHNICAL ENGINEER DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF HIGH GROUND WATER CONDITIONS ARE PRESENT DURING THE PREPARATION OF THE ROADWAY SUB—BASE. CITY OF G.C.S. WILL RESERVE THE RIGHT TO REQUEST ADDITIONAL UNDER DRAIN AS DEEMED NECESSARY.
- 22. CONTRACTOR SHALL PROVIDE CONTRACTION JOINTS AT 10' INTERVALS AND EXPANSION JOINTS SHALL BE CONSTRUCTED AT 50' INTERVALS AND AT ALL RADIUS POINTS ON ALL CURBING.
- 23. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS AT 18' INTERVALS AND CONTRACTION JOINTS SHALL BE SPACED AT 6' INTERVALS BETWEEN EXPANSION JOINTS.
- 24. MAINTENANCE OF TRAFFIC SHALL CONFORM TO F.D.O.T. STANDARD INDEX 600. LATEST EDITION.
- 25. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARD INDEXES 11860, 17346, AND 17352.
- 26. WHERE RCP IS CALLED OUT IN THE PLANS CONTRACTOR MAY SPECIFY RCP, OR HDPE FOR APPROVAL BY ENGINEER OF RECORD.
- 27. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED ROADWAY/SITE DEVELOPMENT SHALL BE REMOVED BY THE CONTRACTOR UTILIZING THE HYDRO-BLASTING METHOD.

#### UTILITY NOTES:

- 1. THE LOCATION OF ALL EXISTING UTILITIES, STRUCTURES AND IMPROVEMENTS SHOWN ON THE DRAWNGS IS BASED ON LIMITED INFORMATION AND MAY NOT HAVE BEEN 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 THE ACTUAL LOCATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF THE DISCREPANCY. THIS DISCREPANCY SHOULD BE RESOLVED PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN AREAS NEAR EXISTING UTILITIES AND IMPROVEMENTS AND SHALL BE RESPONSIBLE FOR AND SHALL REPAIR OR PAY FOR ALL DAMAGE MADE TO EXISTING UTILITIES OR OTHER IMPROVEMENTS. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL GRADES, INVERTS AND TYPE OF MATERIAL OF EXISTING UTILITIES TO WHICH HE SHALL CONNECT.
- 2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL MATERIALS, IF REQUIRED, TO THE ENGINEER FOR REVIEW AND APPROVAL, PRIOR TO SUBMITTAL TO CITY OF G.C.S. & G.C.S.P.W., AND PRIOR TO PURCHASE OR CONSTRUCTION OF ANY UTILITY PIPE OR STRUCTURE.
- 3. ALL PIPE LENGTHS ARE SCALED DIMENSIONS. ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED TO CONFORM WITH CITY OF G.C.S. REQUIREMENTS AND SHALL BE CONSTRUCTED TO CONFORM WITH CURBING, PROPERTY LINES AND LOW POINTS AS SHOWN ON THE PLANS.
- 4. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEAN AND FUNCTIONING PROPERLY AT TIME OF ACCEPTANCE.
- 5. ALL DRAINAGE STRUCTURES TO HAVE TRAFFIC BEARING GRATES.
- 6. ALL DRAINAGE PIPE JOINTS IN CITY OF G.C.S. DRAINAGE EASEMENTS, DRAINAGE EASEMENTS BETWEEN PRIVATE LOTS, DRAINAGE RIGHT-OF-WAYS AND UNDER PAVED ROADS ARE TO BE FILTER-WRAPPED.
- ALL INVERTS IN DRAINAGE STRUCTURES TO BE PRE CAST OR BRICK WITH LAYER OF MORTAR BETWEEN EACH LAYER OF BRICK, OR REDDI-MIX CONCRETE WITH #57 STONE.
- 8. UNSUITABLE MATERIALS UNDER WATER, SEWER PIPE, STORM PIPE OR STRUCTURES SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL, PROPERLY COMPACTED.
- 9. ALL UNDERGROUND UTILITIES MUST BE INSTALLED PRIOR TO PREPARATION OF SUB GRADE FOR PAYFMENT.
- 10. ALL WATER AND SEWER CONSTRUCTION WITHIN CITY OF G.C.S. SHALL BE ACCOMPLISHED BY AN UNDERGROUND UTILITY CONTRACTOR LICENSED UNDER THE PROVISIONS OF CHAPTER 489
- 11. CONTRACTOR SHALL PROVIDE, TO THE ENGINEER, A SCHEDULE OF INVERT ELEVATIONS OF ALL SANITARY MANHOLES & DRAINAGE STRUCTURES PRIOR TO THE PLACEMENT OF THE LIME ROCK BASE COURSE. THIS SCHEDULE TO BE PROVIDED BY THE REGISTERED LAND SURVEYOR SUBMITTING THE "AS BUILT" DRAWNGS FOR THIS PROJECT.
- 12. WATER AND SEWER LINES ARE DESIGNATED TO FINISHED GRADES AND SHALL BE PROTECTED UNTIL FINISHED WORK IS COMPLETE.
- 13. HORIZONTAL SEPARATION BETWEEN WATER MAINS, VALVES, FITTINGS AND SANITARY OR STORM SEWER SHALL BE A MINIMUM OF 10 FEET OR IN ACCORDANCE WITH THE F.D.E.P. REGULATIONS AND G.C.S.P.W. STANDARD DETAILS.
- 14. ALL WATER LINE CROSSINGS SHALL HAVE A FULL LENGTH OF PIPE CENTERED OVER THE EXISTING UTILITY MAIN TO PROVIDE MAXIMUM JOINT SPACING AT CROSSINGS. WATER MAINS CROSSING SANITARY AND STORM SEWER LINES, AS WELL AS VALVES AND FITTINGS, MUST HAVE A MINIMUM 18" VERTICAL SEPARATION. IF THIS SEPARATION CANNOT BE OBTAINED, THE WATER MAIN MUST BE CONSTRUCTED OF DUCTILE IRON PIPE FOR A DISTANCE OF 10' EITHER SIDE OF THE SANITARY OR STORM SEWER MAIN, OR INSTALL WATER MAIN IN D.I. SLEEVE MIN. LENGTH 20' CENTERED, ENDS OF SLEEVE TO BE GROUT FILLED, IN EITHER CASE, MINIMUM OF 6" OF VERTICAL SEPARATION SHALL BE MAINTAINED.
- 15. MECHANICAL RESTRAINING DEVICES ARE REQUIRED IN ACCORDANCE WITH UTILITY COMPANY STANDARDS WHERE WATER MAINS ARE TERMINATED AND AT ALL BENDS AND TEES.
- ALL ELECTRIC CONDUIT WORK SHALL BE COMPLETED PRIOR TO THE PRESSURE TESTING OF WATER AND SEWAGE FORCE MAINS.

- 17. TELEVISION INSPECTION SHALL BE REQUIRED ON ALL GRAVITY SEWER MAINS. THIS SERVICE SHALL BE PROVIDED BY THE CONTRACTOR AS PART OF THE SANITARY SEWER CONTRACT. A FULL WRITTEN REPORT AS TO THE CONDITION OF THE PIPE WITH PERTINENT DATA SUCH AS DISTANCE BETWEEN MANHOLES, LOCATION OF SERVICES, ETC. SHALL BE SUBMITTED TO THE OWNER AND ENGINEER PRIOR TO ACCEPTANCE, AND ONE COPY OF THE VIDEO TAPE SHALL BE SUBMITTED TO CITY OF G.C.S.. ALL DEFECTIVE AREAS AND ITEMS SHALL BE REPLACED OR REPAIRED PRIOR TO FINAL ACCEPTANCE. ALL REPAIRED SECTIONS MUST BE REINSPECTED PRIOR TO ACCEPTANCE.
- 18. ALL NEW AND/OR RELOCATED WATER MAIN PIPES AND FITTINGS SHALL NOT CONTAIN MORE THAN EIGHT PERCENT LEAD AND ALL PACKING AND JOINT MATERIALS USED IN THE JOINTS SHALL CONFORM WITH ALL APPLICABLE AWWA STANDARDS. ALL NEW AND/OR RELOCATED WATER SERVICES AND PLUMBING SHALL CONTAIN NO MORE THAN EIGHT PERCENT LEAD AND ALL SOLDERS AND FLUX SHALL CONTAIN NO MORE THAN 0.2 PERCENT LEAD.
- 19. IF SOLVENT CONTAMINATION IS FOUND IN THE PIPE TRENCH, WORK SHALL BE STOPPED AND THE PROPER AUTHORITIES NOTIFIED. WITH APPROVAL OF THE PERMITTING AGENCY, DUCTILE FITTINGS AND SOLVENT RESISTANT GASKET MATERIAL SHALL BE USED IN THE CONTAMINATED AREA. THE DUCTILE IRON PIPE SHALL EXTEND AT LEAST 100 FEET BEYOND ANY SOLVENT NOTED.

Engineering, Le, GREN CONE, SPRINGS, FL, 32043 E SITE IMPROVEMENTS FOR STEVE GAUDET REVISIONS

PLOT DATE:
DRAWN BY:
DESIGNED BY:
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- 2. CONSTRUCTION WARNING SIGNS ARE TO BE POST MOUNTED AND ERECTED BEFORE CONSTRUCTION CAN COMMENCE. THESE AND ALL TRAFFIC CONTROL DEVICES SHALL FOLLOW THE STANDARDS SET FORTH BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS WELL AS THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD INDEXES.
- 3. ALL SUB BASE SHALL BE FIRM AND UNYIELDING.
- 4. ALL JOINTS OF PIPE, REGARDLESS OF MATERIAL TYPE, SHALL BE WRAPPED WITH FABRIC FILTER CLOTH PER FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD INDEX 280.
- 5. ALL DISTURBED CITY OF G.C.S. RIGHTS-OF-WAY SHALL BE SODDED TO THE DISCRETION AND APPROVAL OF THE CITY OF G.C.S. ENGINEERING DEPARTMENT.
- 6. THE CURB SHALL BE CHECKED FOR FLOW DESIGN AT ANY STAGE OF THE PROJECT. A WATER TRUCK IS TO BE PROVIDED AT THE FINAL INSPECTION IN ORDER TO CHECK FLOW DESIGN.
- 7. ALL UNDER DRAIN LINES SHALL HAVE A FORTY—FIVE DEGREE CLEAN OUT AT TWO HUNDRED FOOT (200') INTERVALS AND AT THE END OF THE RUN. THE CURB SHALL BE MARKED WITH TEAL OR HUNTER GREEN PAINT AS TO THE LOCATION OF THE CLEAN OUT.
- 8. HANDICAP RAMPS SHALL BE INSTALLED WHEREVER THE SIDEWALK MEETS THE CURB.
- 9. ALL INFORMATION REQUESTED BY THE CITY SHALL BE IN HAND AT THE TIME OF THE FINAL INSPECTION. NO CONDITIONAL CERTIFICATES OF OCCUPANCY SHALL BE GIVEN.
- 10. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO EXCAVATION AND TAKE ALL MEASURES NECESSARY TO PROTECT UTILITIES DURING CONSTRUCTION. SHOULD ANY UTILITY LINE OR COMPONENT BECOME DAMAGED OR REQUIRE RELOCATION THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RESPONSIBLE UTILITY COMPANY, THE ENGINEER, AND THE CITY.
- 11. ALL SWALE SECTIONS ARE TO BE SODDED.
- 12. ALL DEVELOPER OR CONTRACTOR INSTALLED SIDEWALKS SHALL BE INSTALLED PRIOR TO THE FINAL INSPECTION.
- 13. A COPY OF THE CONTRACTORS' GENERAL LICENSE AND OR UNDER GROUND UTILITY LICENSE SHALL BE PROVIDED AT THE TIME OF THE PRE—CONSTRUCTION CONFERENCE.
- 14. ANY APPLICABLE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (SJRWMD) OR FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) PERMITS SHALL BE PROVIDED TO THE CITY BY THE PRE-CONSTRUCTION CONFERENCE. NO WORK SHALL BEGIN WITHOUT ALL APPLICABLE PERMITS ON FILE.
- 15. THE CONTRACTOR MUST OBTAIN APPROVAL FROM THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (SJRWMD) BEFORE THE CITY WILL ACCEPT THE PROJECT.
- 16. THERE SHALL BE A MINIMUM THREE (3) DAYS NOTICE GIVEN FOR SCHEDULING THE FINAL INSPECTION.
- 17. AT THE FINAL INSPECTION, A LETTER OF COMPLIANCE, PROVIDED BY THE CITY, WILL NEED TO BE FILLED OUT AND SIGNED THE STATE OF FLORIDA REGISTERED PROFESSIONAL ENGINEER OF RECORD.
- 18. FIVE (5) DAYS PRIOR TO THE FINAL INSPECTION TWO (2) SETS OF BLUE LINE AS-BUILTS AND ONE (1) COPY ON DISK IN AUTOCAD FORMAT SHOWING THE FOLLOWING SHALL BE SUBMITTED:

#### CITY EROSION CONTROL NOTES:

- 19. PURSUANT TO COMPREHENSIVE PLAN POLICY 9:1 OF THE CONSERVATION ELEMENT, THE USE OF ONE OR MORE EROSION CONTROL MEASURES, AS REQUESTED BY THE CITY OF G.C.S. ENGINEERING DEPARTMENT, SHALL BE USED DURING CONSTRUCTION. THESE WILL BE, BUT NOT LIMITED TO, ITEMS SUCH AS TEMPORARY GRASS COVER, SEDIMENT BASINS OR PONDS, MULCHING, TEMPORARY FENCES, DIVERSION CHANNELS AND HAY BALES.
- 20. PURSUANT TO COMPREHENSIVE PLAN POLICY 9:1 OF THE CONSERVATION ELEMENT, SCHEDULING OF CONSTRUCTION SHALL BE GIVEN SPECIAL CONSIDERATION TO MINIMIZE EXPOSURE OF BARE SOIL. THE CONTRACTOR WILL FORMULATE A CONSTRUCTION SCHEDULE TO BE GIVEN TO THE CITY REPRESENTATIVE.
- 21. THE CONTRACTOR SHALL CHECK EACH DAY TO INSURE THAT ALL EROSION CONTROL DEVICES ARE IN PLACE AND WORKING PROPERLY.
- 22. ALL EROSION CONTROL MEASURES SHALL BE IN COMPLIANCE WITH THE RULES, REGULATION AND STANDARDS OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (SJRWMD), THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND THE UNITED STATES ARMY CORP OF ENGINEERS.

- 23. THE CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO PREVENT THE EROSION OF SOIL AND DEPOSITION OF SEDIMENT ON ADJACENT AND DOWNSTREAM PROPERTIES.
- 24. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION.

#### CITY PUBLIC SAFETY NOTES:

- 25. BLUE, ALL-DIRECTIONAL HIGHWAY-STYLE REFLECTIVE MARKERS SHALL BE PROVIDED ON ALL ROADWAYS, ALLEYS, ACCESS ROADS AND ALL PAVED AREA IN FRONT OF EACH HYDRANT. SAID MARKERS SHALL BE LOCATED IN THE LANE OF TRAVEL ON THE SAME SIDE AS THE HYDRANT. THESE MARKERS SHALL BE IN PLACE AT THE TIME OF FINAL INSPECTION OR APPROVAL.
- 26. A DISK SHALL BE PROVIDED, IN AUTOCAD FORMAT, SHOWING THE LOCATION OF ALL FIRE HYDRANTS BEFORE FINAL APPROVAL.

PAVING, DRAINAGE AND CONSTRUCTION NOTES:

- 27. ALL UNSUITABLE MATERIAL SHALL BE REMOVED TWO FEET (2') BEYOND THE BACK OF CURB AND TWO FEET (2') BELOW FINISHED GRADE.
- 28. COMPACTION DENSITIES FOR ALL ROADWAY CROSSINGS ARE TO BE TAKEN IN ONE-FOOT (1') LIFTS. STORM SEWER PIPE DENSITIES WILL START AT THE HAUNCHES OF THE PIPE AND BE TAKEN EVERY 6" UNTIL IT HAS REACHED 1' ABOVE THE PIPE.
- 29. IF UNSUITABLE MATERIAL IS FOUND WITHIN THE LIMITS OF THE ROAD OR IF MATERIAL IS HAULED IN FOR ROADWAY FILL AT A DEPTH GREATER THAN ONE—FOOT (1') THEN THE ENTIRE ROADWAY SHALL BE UNDER DRAINED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND INSTALLED PER THE APPROVED CITY OF G.C.S. DETAIL.
- 30. ALL STORM SEWER PIPES SHALL BE CUT FLUSH WITH THE INTERIOR WALL OF ANY TYPE MANHOLE OR CURB AND DITCH BOTTOM INLETS.
- 31. COMPACTION DENSITY TESTS FOR ALL WATER AND SEWER CROSSINGS WILL START THREE FEET (3') ABOVE THE PIPE.
- 32. COMPACTION DENSITY TESTS FOR ALL WATER AND SEWER CROSSINGS WILL START AT THE SPRING LINE OF THE PIPE.
- 33. IF THE APPROVED DESIGN REQUIRED THE INLET OR STORM RUN TO BE SURCHARGED, ALL INLETS SHALL BE INSPECTED BEFORE BEING EXPOSED TO THE SYSTEM.
- 34. TEST CYLINDERS SHALL RUN FOR ALL CONCRETE STRUCTURES. THERE WILL BE THREE (3) TESTS PER EACH DAY POUR WITH ONE (1) AT SEVEN (7) DAY BREAK, AND TWO (2) TWENTY-EIGHT (28) DAY BREAKS.
- 35. THE ASPHALT SHALL BE CORED FOR THICKNESS AND WILL BE GIVEN A ONE-QUARTER INCH (1/4") TOLERANCE. IF HOWEVER THE CITY'S REPRESENTATIVE IS PRESENT AT POUR AND FEELS COMFORTABLE WITH THE REQUIREMENTS THEN HE OR SHE MAY WAVE THIS POLICY.
- 36. LBR'S FOR SUBGRADE AT FORTY (40) AND LIME ROCK OR ALTERNATIVE BASE COURSE AT ONE HUNDRED (100). THERE WILL BE NO UNDER TOLERANCE.
- 37. ALL MATERIAL USED FOR BACK FILL SHALL BE SAND (A3) FREE DRAINING.
- 38. THERE ARE TO BE NO OPENED TRENCHES AT DAY'S END.
- 39. ALL DIRT AND DEBRIS TRACKED OUT OF THE PROJECT SHALL BE CLEANED DAILY AND TO THE DISCRETION OF THE CITY OF G.C.S. ENGINEERING DEPARTMENT.

#### SIGNING AND PAVEMENT MARKING NOTES:

- 40. ALL SIGNS MUST MEET THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS FOR ENGINEERING GRADE SIGN FACES IN REFLECTIVITY.
- 41. ALL FINAL PAVEMENT MARKINGS WITHIN THE RIGHTS-OF-WAY SHALL BE THERMOPLASTIC.
- 42. ALL SIGNS SHALL BE ON A TEN-FOOT (10') POLE A MINIMUM OF SEVEN FEET (7') FROM THE GROUND.
- 43. STREET SIGNS SHALL BE MOUNTED WITH TEE CAPS.
- 44. STREET SIGNS SHALL BE SIX INCHES (6") WIDE WITH GREEN BACKINGS AND WHITE LETTERS AND BORDERING.
- 45. STOP SIGNS SHALL BE A MINIMUM TWENTY-FOUR INCH BY TWENTY-FOUR INCH (24" X 24").
- 46. STOP SIGNS ARE TO BE PLACED FOUR FEET (4') FROM BACK OF CURB, FOR FEET (4') BEHIND CROSS WALKS AND ON THE RIGHT HAND SIDE OF THE ROAD.
- 47. STREET SIGNS ARE TO BE LOCATED ON THE LEFT HAND CORNER OF THE INTERSECTION FOUR FEET (4') FROM THE BACK OF CURB.
- 48. STREET / STOP SIGN COMBINATIONS ARE NOT ALLOWED.
- 49. ALL REGULATORY SIGNS SHALL BE BLACK AND WHITE. ALL CONSTRUCTION WARNING SIGNS SHALL BE ORANGE AND BLACK. ALL WARNING SIGNS SHALL BE YELLOW AND BLACK. ALL NO PARKING AND STOP SIGNS SHALL BE RED AND WHITE.
- 50. STOP BARS SHALL BE TWENTY-FOUR INCHES (24") WIDE AND LANE WIDTH. ALL STOP BARS SHALL BE THERMOPLASTIC.
- 51. ALL SIGNS SHALL BE SIDED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS.
- 52. ALL DETECTABLE WARNING PADS FOR ADA RAMPS ARE TO BE WET-SET MATS.

#### CITY MAINTENANCE OF TRAFFIC:

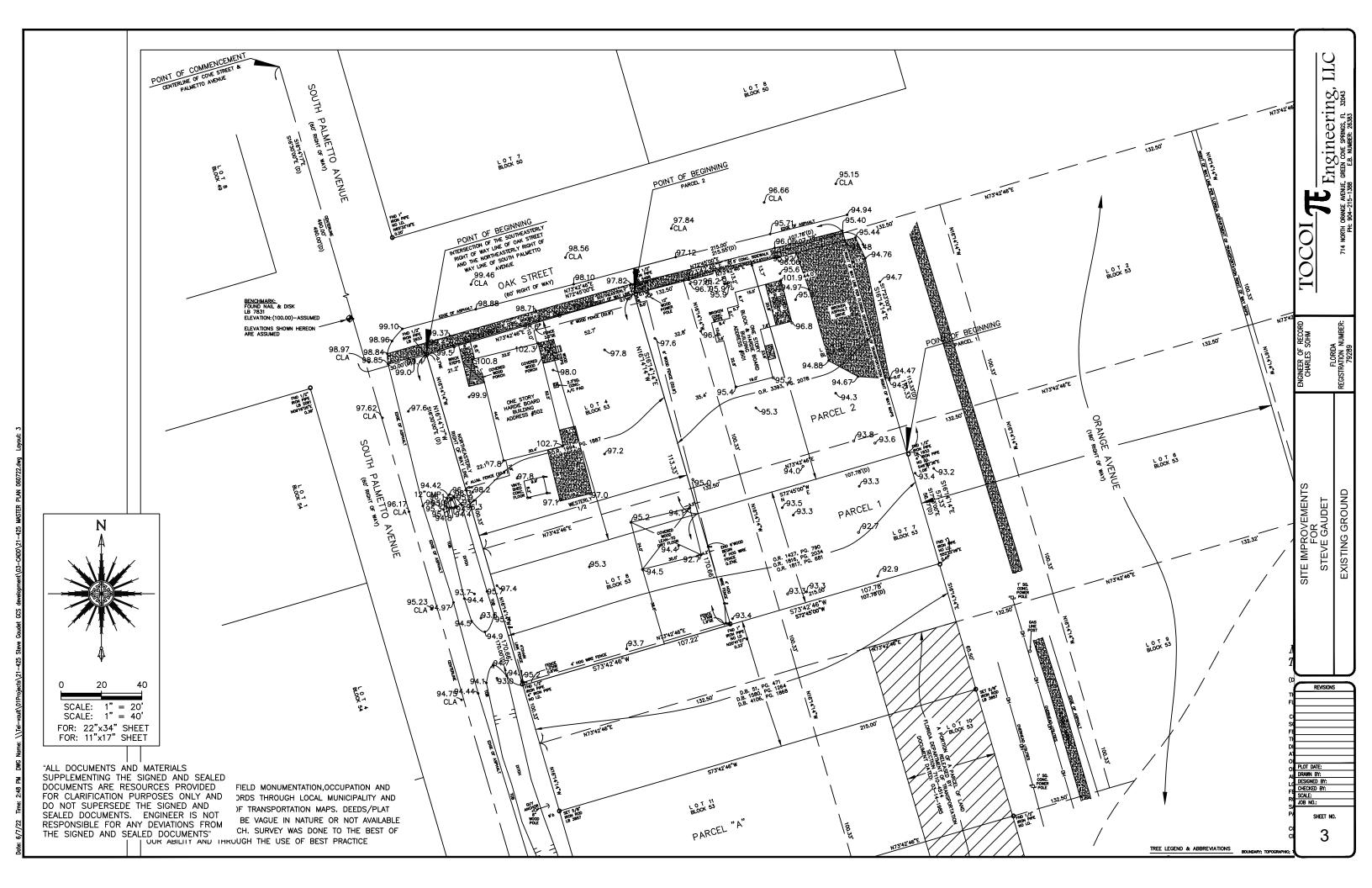
- 53. AFTER ISSUANCE OF THE PERMIT, THE PERMITTEE SHALL NOTIFY THE CITY PUBLIC WORKS DEPARTMENT A MINIMUM OF TWO BUSINESS DAYS PRIOR TO COMMENCING CONSTRUCTION. THIS NOTIFICATION WILL ALLOW FOR SCHEDULING OF INSPECTIONS.
- 54. IF A ROAD CLOSURE IS REQUIRED, THE PERMITTEE SHALL SUBMIT WITH THE PERMIT APPLICATION A MAINTENANCE OF TRAFFIC (MOT) PLAN TO INCLUDE ALL PROPOSED ROAD CLOSURES AND AN EXPECTED TIME DURATION FOR EACH CLOSING.
- 55. ROAD CLOSURES SHALL REQUIRE SEPARATE APPROVAL BY THE PUBLIC WORKS DEPARTMENT AND A MINIMUM OF THREE BUSINESS DAYS PRIOR NOTIFICATION BEFORE THE COMMENCEMENT OR CONSTRUCTION.
- 56. ROAD CLOSURES SHALL REQUIRE SEPARATE APPROVAL OF CLAY COUNTY FIRE AND RESCUE.
- 57. ROAD CLOSURES OF FEWER THAN 15 MINUTES SHALL NOT REQUIRE NOTIFICATION.

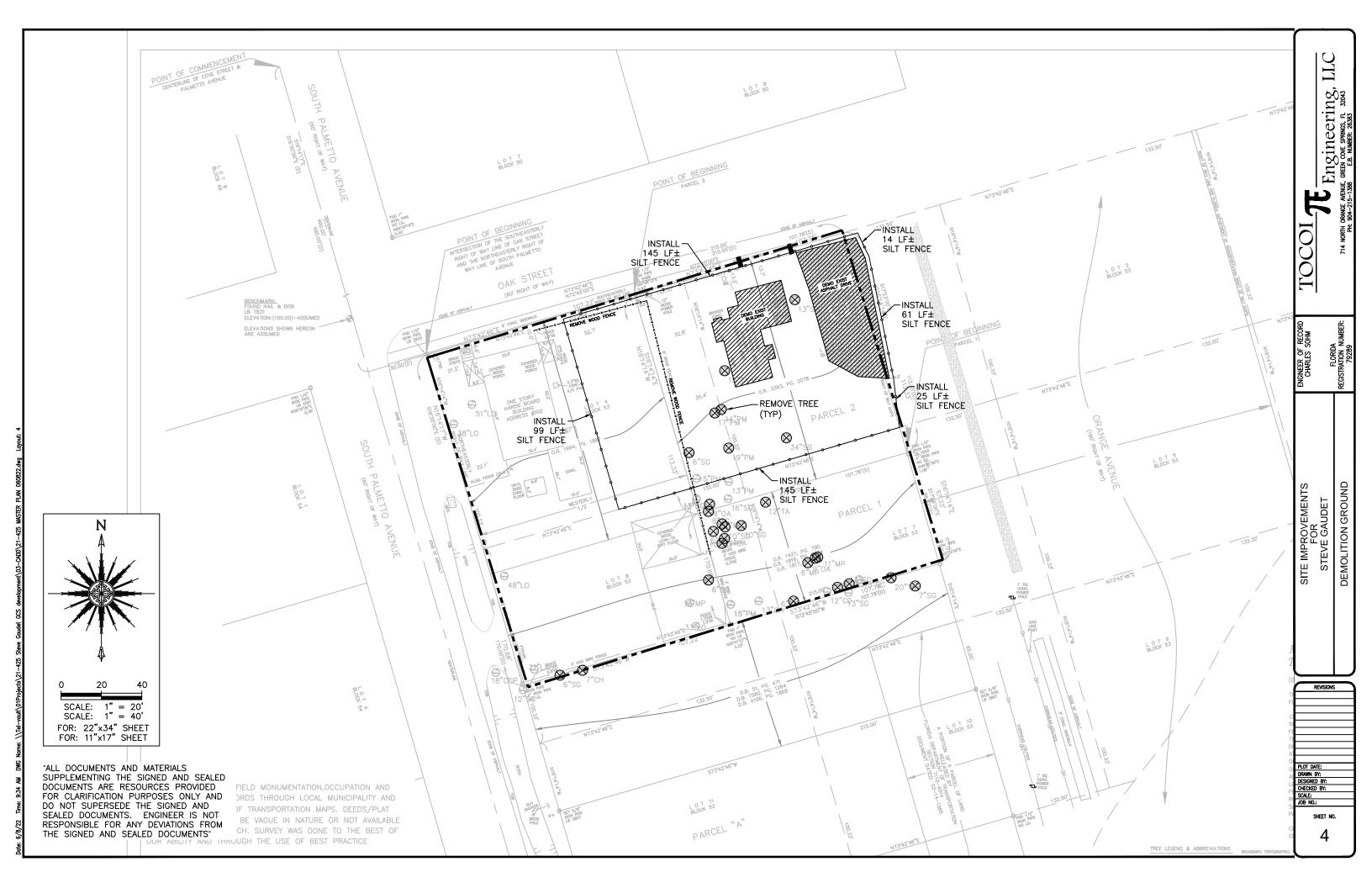
#### CITY AS-BUILT REQUIREMENTS:

58. AS-BUILTS MUST BE SUBMITTED ON THE APPROVED GRADING.

MBER: 714 NORTH ORANGE ANDIUE, GREEN COVE SPRINGS, FL 3204 PH; 904-215-1388 E.B. NUMBER: 26333

SHEET NO.





LEGEND AREAS WHE

AREAS WHERE NEW CONCRETE CONSTRUCTION IS TO OCCUR

AREAS WHERE NEW ASPHALT CONSTRUCTION IS TO OCCUR

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PROPERTY BOUNDARY



SOLID ARROWS ARE FOR DIRECTIONAL PURPOSES ONLY 5" NOT FOR PAVEMENT MARKINGS

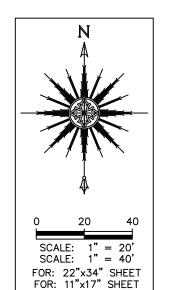


NUMBER OF STANDARD PARKING SPACES

SITE INFORMATION	DESIGNED	REQUIRED
STANDARD PARKING SPACES	18*	18**
ADA PARKING SPACES	1	1
TOTAL PARKING SPACES	19	19

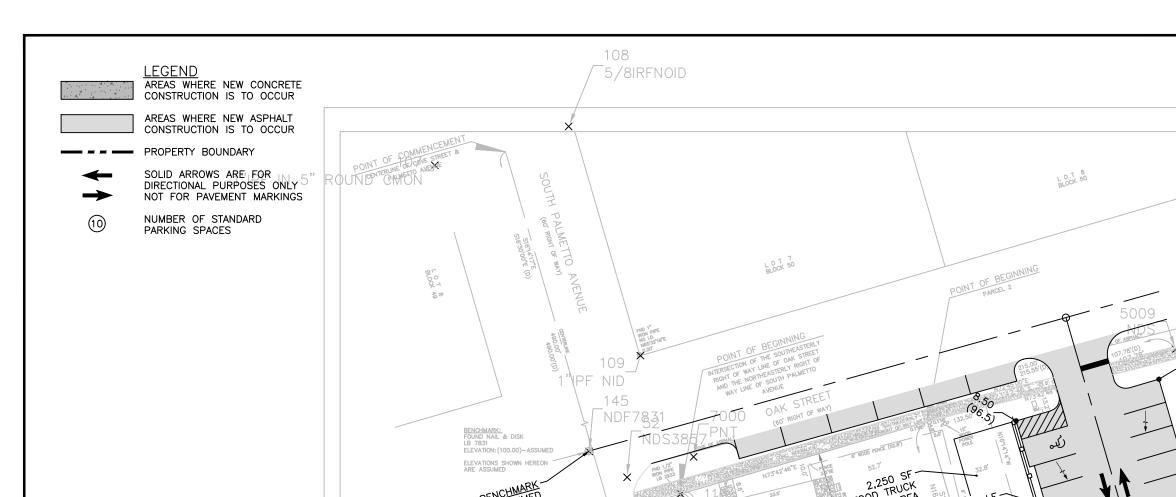
\* OFF-STREET PARKING ON-STREET PARKING 12 SP 7 SP

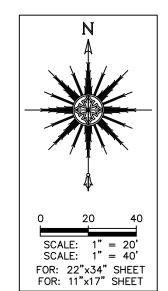
\*\* DINING AREA 1,170 SF 1 PER 65 SF = 18 SP



"ALL DOCUMENTS AND MATERIALS SUPPLEMENTING THE SIGNED AND SEALED DOCUMENTS ARE RESOURCES PROVIDED FOR CLARIFICATION PURPOSES ONLY AND DO NOT SUPERSEDE THE SIGNED AND SEALED DOCUMENTS. ENGINEER IS NOT RESPONSIBLE FOR ANY DEVIATIONS FROM THE SIGNED AND SEALED DOCUMENTS"

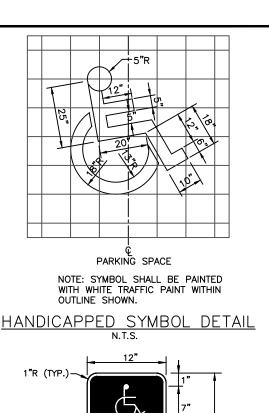


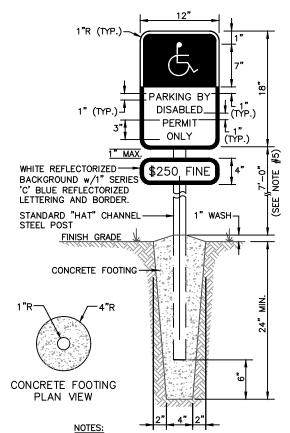




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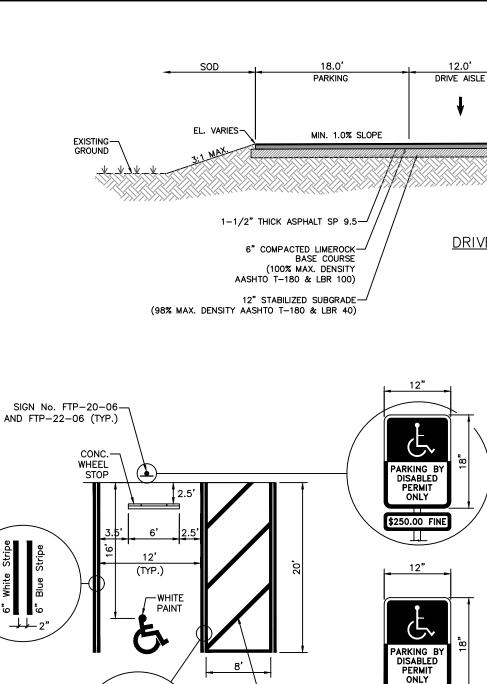






- 1. ALL LETTERS ARE 1" SERIES.
- 2. TOP PORTION OF SIGN SHALL HAVE A REFLECTORIZED BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND & BORDER.
- 3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED WHITE BACKGROUND WITH BLOCK OPAQUE LEGEND & BORDER
- 4. LETTERS AND NUMBERS ON SIGN SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO
- 5. SIGNS SHALL NOT BE OSCURED BY A VEHICLE PARKED IN THE SPACE.
- 6. HANDICAPPED PARKING SPACE SIZE, STRIPING, AND SIGNAGE SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CITY, STATE, & FEDERAL REGULATIONS.

HANDICAP SIGN DETAIL



12.0'

12.0'

DRIVE AISLE

EL. VARIES

DRIVEWAY SECTION

18.0'

PARKING

MIN. 1.0% SLOPE

#### NOTES:

1. EACH SUCH PARKING SPACE SHALL BE CONSPICUOUSLY OUTLINED IN BLUE PAINT, AND SHALL BE POSTED AND MAINTAINED WITH A PERMANENT, ABOVE-GRADE SIGN BEARING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY OR THE CAPTION "PARKING BY DISABLED PERMIT ONLY", OR BEARING BOTH SUCH—SYMBOLS AND CAPTION. SUCH SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE. ALL HANDICAPPED PARKING SPACES MUST BE DESIGNED AND MARKED IN ACCORDANCE WITH THE STANDARDS ADOPTED BY THE

6" WIDE/WHITE

PAINTED STRIPES

(3)-6" DIAGONAL EQUALLY SPACED

PER AISLE

VAN

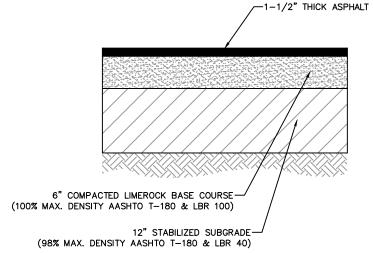
ACCESSIBLE

\$250.00 FINE

 $\perp$ 

2. THE FTP-22-06 PANEL SHALL BE MOUNTED BELOW THE FTP-20-06 SIGN.

HANDICAP PARKING DETAIL N.T.S.



SOD

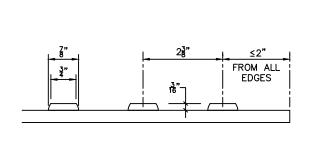
\_EL. VARIES

-EXISTING

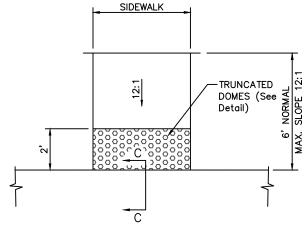
GROUND

UNDERCUT ALL UNSUITABLE MATERIAL AND BACKFILL WITH CLEAN FREE-DRAINING SAND (BOTTOM OF CUT SHALL BE 24" MIN. BELOW FINISH GRADE)

NEW ASPHALT PAVEMENT SECTION N.T.S.



TRUNCATED DOME -DETECTABLE WARNING PAD DETAIL N.T.S.



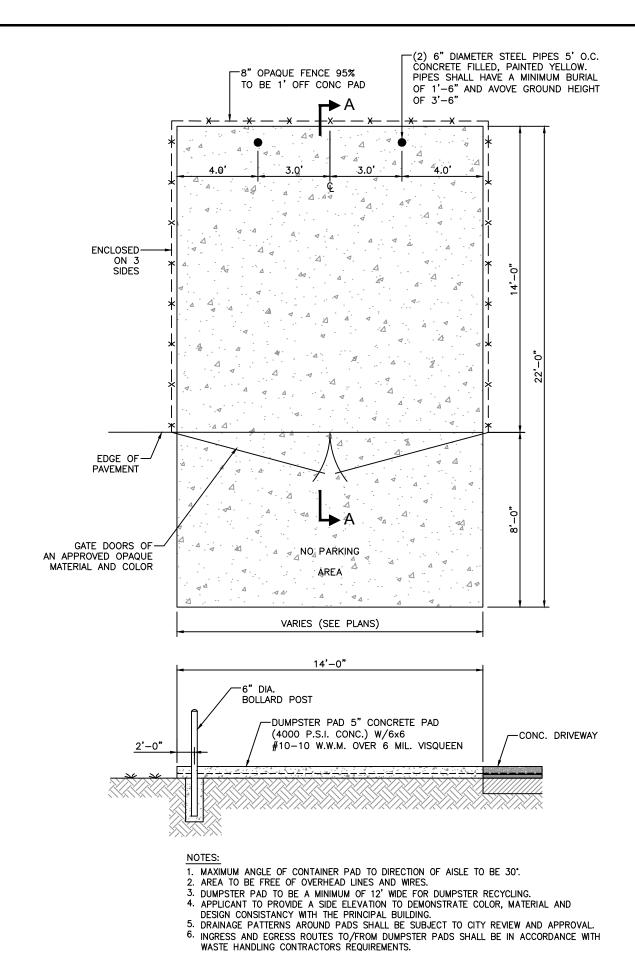
 $\frac{\text{PLAN VIEW}}{\text{N.T.S.}}$ RAMP FOR ADA DETAIL REVISIONS

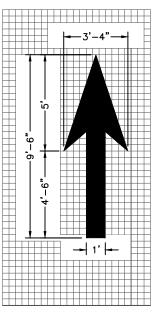
SITE IMPROVEMENTS FOR STEVE GAUDET

Engineering,

RAWN BY: ESIGNED BY: HECKED BY:

SHEET NO. 7A



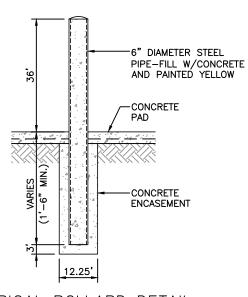


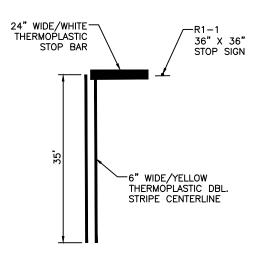
THROUGH-LANE USE ARROW 12 S.F.

- PAVEMENT MESSAGES NOTES:

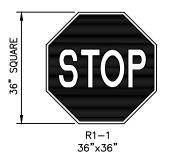
  1. PLACE ALL PAVEMENT MESSAGES 25' BACK FROM THE STOP LINE.
- DIMENSIONS ARE WITHIN 1" ±.
- ALL GRIDS ARE 4" X 4".
- ALL PAVEMENT MESSAGES MUST BE WHITE EXCEPT ROUTE SHIELDS AND IN PAVEMENT WARNING MARKINGS.
- INCREASE WIDTH OF ROUTE SHIELD FRO ROUTES WITH THREE DIGITS.

### PAVEMENT MARKINGS N.T.S.





PAVEMENT MARKINGS



THE STOP SIGN SHALL BE OCTAGON WITH WHITE MESSAGE AND BORDER ON A RED BACKGROUND.

THE POSTS AND BRACKETS WILL BE PER FDOT STANDARD INDEX 11860 AND 11861.

SIGN DETAILS

# TYPICAL BOLLARD DETAIL



DUMPSTER PAD DETAIL

Engineering,

SITE IMPROVEMENTS FOR STEVE GAUDET

7B