



GENERAL NOTES AND SPECIFICATIONS

I. APPLICABLE CODES

- 1. ALL WORK AND MATERIALS SHALL CONFORM TO CURRENT CITY OF MIAMI BEACH, MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT (MDDPW), MIAMI-DADE REGULATORY AND ECONOMIC RESOURCES (DERE), MIAMI-DADE WATER AND SEWER DEPARTMENT (W-SWD), FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), STANDARDS AND SPECIFICATIONS AS WELL AS ALL LOCAL, STATE, AND NATIONAL CODES AND REGULATORY REQUIREMENTS, AS APPLICABLE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION AND DITCH EXCAVATION SHALL BE DONE IN A SAFE MANNER AND IN ACCORDANCE WITH ALL THE REQUIREMENTS OF FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.
3. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER SITE FEATURES SHOWN ON THE DRAWINGS WERE OBTAINED FROM THE BOUNDARY SURVEY BY:
LONGITUDE SURVEYORS, LLC
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER: LB-17335
4. ELEVATIONS SHOWN HEREON RELATE TO NATIONAL GEODETIC VERTICAL DATUM, N.G.V.D., 1929.
5. PROPOSED ELEVATIONS SHOWN ARE FINISHED GRADES.
6. EXISTING UTILITIES TO BE ADJUSTED IN ACCORDANCE WITH PROPOSED GRADES AND REQUIREMENTS OF UTILITY OWNERS, AS REQUIRED.
7. EXISTING STRUCTURES, TREES, UTILITIES AND OTHER IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE SUCH AS BUILDING SEWERS, BRAINS, WATER OR GAS PIPES, CONDUITS, POLES, WALLS, COLUMNS, ETC., WHETHER OR NOT SHOWN ON THE PLANS, ARE TO BE CAREFULLY PROTECTED FROM DAMAGE. IF DAMAGE OCCURS FROM WORK PERFORMED UNDER THIS CONTRACT, THE CONTRACTOR SHALL PROMPTLY REPAIR THE DAMAGED ITEM(S) TO THE CONDITION OF THE ITEM(S) PRIOR TO THE DAMAGE. THIS WORK SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
8. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
9. CONTRACTOR SHALL PRESERVE ALL STREET SIGNS, PARKING METERS, BENCHES, TRAFFIC CONTROL SIGNS, TRAFFIC LOOPS, ETC. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REINSTALL OR DELIVER SAID PUBLIC PROPERTY TO THE COUNTY.
10. THE CONTRACTOR SHALL TAKE SPECIAL NOTE OF SOIL CONDITIONS THROUGHOUT THIS PROJECT. ANY SPECIAL SHIELDING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, EITHER PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL OR DURING THE FILLING OF ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
11. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE CITY OF MIAMI BEACH ENGINEERING STANDARDS, THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION), AND THE MIAMI-DADE COUNTY PUBLIC WORKS MANUAL, THE MIAMI-DADE WATER AND SEWER DEPARTMENT STANDARDS AND SPECIFICATIONS, AND THE FLORIDA BUILDING CODE AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK. UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY. THE OWNER AND DESIGN PROFESSIONALS ARE PROVIDING THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.
13. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE COMMENCING ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PROTECT ANY AND ALL EXISTING UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES. FOR TEMPORARY BRACING AND SHORING OF SAME, IT IS NECESSARY TO SHORE, BRACE, SWING OR REDUCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO UTILITY COMPANIES TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE AN APPROXIMATE LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
16. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
17. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS. ALL SURVEY COSTS WILL BE THE CONTRACTOR'S RESPONSIBILITY.
19. ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED.
20. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
21. ANY WELL TO REMAIN SHALL BE ADJUSTED TO GRADE BY THE CONTRACTOR.
22. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND DESIGN ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.

II. PRECONSTRUCTION RESPONSIBILITIES

- 1. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT ANY INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED AND WHICH THEIR BIDS WILL BE BASED.
2. UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL, UTILITY OWNERS, THE OWNER, AND THE ENGINEER OF RECORD.
3. THE CONTRACTOR SHALL APPLY FOR AND ACQUIRE ALL PERMITS AND LICENSES, PAY ALL CHARGES, TAXES, ROYALTIES & FEES, AND GIVE ALL NOTICES NECESSARY TO COMPLETE THIS PROJECT.
4. THE CONTRACTORS SHALL COORDINATE WITH UTILITY COMPANIES TO ARRANGE FOR ANY REMOVAL, RELLOCATION AND TEMPORARY SUPPORT OF UTILITY FEATURES, ETC. AS NECESSARY TO COMPLETE THE WORK, IF APPLICABLE.
5. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL LOCATE AND EXPOSE ALL LOCATED UTILITIES PRIOR TO CONSTRUCTION AND BE CONNECTED SUFFICIENTLY AHEAD OF CONSTRUCTION TO ALLOW REDISCOVER BY THE ENGINEER IF SUCH UTILITIES ARE FOUND TO BE DIFFERENT THAN THOSE SHOWN ON PLANS.

III. TYPICAL ENGINEER OBSERVATIONS AND 3RD PARTY TEST REPORTS REQUIRED

- 1. TYPICAL ENGINEER OBSERVATIONS: CONTRACTOR SHALL NOTIFY ENGINEER 48 HOURS IN ADVANCE OF THE FOLLOWING ACTIVITIES:
A. SANITARY SEWER SYSTEM - INFILTRATION/EXFILTRATION TEST OF THE NEW SANITARY SEWER COLLECTION SYSTEM UP TO THE POINT OF CONNECTION WITH THE EXISTING SYSTEM AND INCLUDING ALL NEW SERVICE LATERALS.
B. SANITARY SEWER MAINS - LAMPING OF NEW SANITARY SEWER MAINS BETWEEN ALL MAIN MANHOLES UP TO AND INCLUDING THE CONNECTION MANHOLE ON THE EXISTING SYSTEM.
C. PORTABLE WATER DISTRIBUTION MAINS:
1) LIVE TAP CONNECTIONS TO EXISTING MAINS
2) PRESSURE TEST IN ACCORDANCE WITH AWWA STANDARD C600
D. STORM DRAINAGE:
1) EXFILTRATION TRENCHES - AFTER INSTALLATION OF FILTER FABRIC BUT PRIOR TO PLACING ANY BALLAST ROCK IN ORDER TO MEASURE DEPTH AND WIDTH OF THE EXFILTRATION TRENCH.
2) DRAINAGE WELLS - COMPLETED WELL PUMP TEST
3) DRAINAGE PIPE AND STRUCTURES - PRIOR TO BACKFILL
E. LIME/ROCK BASE- PRIOR TO AND DURING PLACEMENT OF LIME/ROCK BASE
F. FINISHED PAVEMENT - PRIOR TO PLACEMENT OF ANY FINISHED ASPHALT, CONCRETE AND/OR BROOK PAVING.
G. SUBSTANTIAL COMPLETION
H. FINAL INSPECTION
REGARDLESS OF WHETHER OR NOT THE ABOVE ARE WITNESSED BY OTHERS, IF THE CONTRACTOR FAILS TO NOTIFY THE ENGINEER OF RECORD AT LEAST 48 HOURS PRIOR AND THESE ARE COMPLETED WITHOUT THE ENGINEER OF RECORD PRESENT, THE CONTRACTOR SHALL AGAIN EXPOSE THE WORK AND REPEAT ALL TESTS AS REQUESTED BY THE ENGINEER OF RECORD AT NO ADDITIONAL COST TO THE CONTRACTOR. OTHERWISE, THE ENGINEER OF RECORD RESERVES THE RIGHT TO REQUIRE ISSUANCE OF ANY CERTIFICATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND CALLING FOR ANY TESTING AND INSPECTIONS REQUIRED BY CITY, COUNTY, STATE AND FEDERAL AGENCIES HAVING JURISDICTION OVER THE CONTRACTOR'S WORK.

IV. SHOP DRAWINGS

PRIOR TO FABRICATION OR CONSTRUCTION, SHOP DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER OF RECORD FOR REVIEW OF THE FOLLOWING ITEMS:

- 1. DRAINAGE:
A. DRAINAGE INLETS, CATCH BASINS, MANHOLES AND STRUCTURES, INCLUDING TOP/BOTTOM SLABS, FRAMES, GRATES, RMS AND POLLUTER/REBANDT BRAYS.
B. TRENCH OR SLOT DRAINS INCLUDING CHANNELS, ANCHORS, GRATES, OUTLETS, ETC.
C. DRAINAGE WELL STRUCTURES, CASINGS AND GRATES
D. DRAINAGE PIPE AND FITTINGS
E. CLEANOUTS
F. EXFILTRATION TRENCH FILTER FABRIC
2. WATER DISTRIBUTION
A. PIPE AND FITTINGS
B. FIRE HYDRANTS
C. FIRE HYDRANT AIR RELEASE VALVES
D. BACKFLOW PREVENTION DEVICES
E. METER VAULTS
F. TAPPING SLEEVES AND CORPORATION STOPS
3. SANITARY SEWER:
A. MANHOLES, INCLUDING STRUCTURES, TOP/BOTTOM SLABS, FRAMES AND RIMS
B. PIPE AND FITTINGS
C. CLEANOUTS
D. VALVES AND AIR RELEASE VALVES
E. PUMP STATION AND ALL RELATED EQUIPMENT
4. ASPHALT MIX
A. SUBGRADE AND LIME/ROCK BASE SECTIONS TO BE INCLUDED

V. TEMPORARY FACILITIES

- 1. TEMPORARY FACILITIES
A. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, AND ELECTRICITY DURING CONSTRUCTION.
B. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE MAINTENANCE OF TRAFFIC CIRCULATION FOR THE ADJACENT PROPERTY DURING CONSTRUCTION.
C. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS ENTRANCE TO COMMERCIAL PROPERTIES AT ALL TIMES, IF APPLICABLE.
D. THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION, IF APPLICABLE.
2. TRAFFIC REGULATION
A. THE CONTRACTOR SHALL PROVIDE ALL WARNING SIGNALS, SIGNS, LIGHTS AND FLAG PERSONS AS NECESSARY FOR THE MAINTENANCE OF TRAFFIC WITHIN PUBLIC RIGHT-OF-WAYS IN ACCORDANCE WITH MULT.C.D. AND THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT.
B. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
C. NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NONWATIME HOURS WITHOUT THE EXPRESS PERMISSION OF THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT, AND/OR THE FLORIDA DEPARTMENT OF TRANSPORTATION.

VI. PROJECT CLOSE OUT

- 1. CLEANING UP
A. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEANUP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEP BROOM CLEAN.
B. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS/HER WORK, EQUIPMENT AND/OR EMPLOYEES TO A CONDITION AT LEAST EQUAL TO THAT EXISTED IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS.
C. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZED EARTH, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, MALBROXES, SIGNS AND ANY OTHER IMPROVEMENTS REMOVED DURING CONSTRUCTION WITH THE SAME TYPE OF MATERIAL, AND TO THE CONDITION WHICH EXISTED PRIOR TO THE BEGINNING OF OPERATIONS.
D. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOVED INTO, OR HAVE BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING THE PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.
E. ALL DISPOSAL OF EXCESS AND UNSUITABLE EXCAVATED MATERIAL, DEMOLITION, VEGETATION, RUBBISH AND DEBRIS SHALL BE MADE OUTSIDE THE LIMITS OF CONSTRUCTION AT A LEGAL DISPOSAL SITE PROVIDED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE, WITH THE PRIOR APPROVAL OF THE ENVIRONMENTAL ENGINEER. MATERIAL CLEARED FROM THE SITE SHALL NOT BE DEPOSITED ON ADJACENT AND/OR NEARBY PROPERTY.
2. IMMEDIATELY PRIOR TO GRAND OPENING, CONTRACTOR IS TO SWEEP ENTIRE SITE, ELIMINATE ALL DEBRIS AND FUMIGATE THE LANDSCAPE AREAS AND PRESSURE CLEAN THE SITE ASPHALT, CURBS, SIDEWALKS, AND CONCRETE PAVES.
3. PROJECT RECORD DOCUMENTS
A. DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.
B. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH AS-BUILT GRADES AND LOCATIONS OF FINISHED PAVEMENT, SIDEWALKS, CURBS, AND ALL PHYSICAL IMPROVEMENTS. SUCH GRADES SHALL BE OBTAINED BY A LICENSED SURVEYOR REGISTERED TO PRACTICE IN THE STATE OF FLORIDA, AND SHALL DOCUMENT THE INTENT OF THE PROPOSED GRADES SHOWN ON THE PLANS. THIS SHALL BE DONE AT NO COST TO THE OWNER.
4. CONTRACTOR TO REPLACE ALL FOUND PIPES WITH NAIL AND DISKS.
5. REFER TO MDWSD STANDARDS FOR ADDITIONAL CLOSE-OUT REQUIREMENTS.

VII. STORM DRAINAGE

- 1. CATCH BASIN GRATES AND MANHOLE RIM ELEVATIONS AS SHOWN ON PLANS SHALL BE ADJUSTED TO CONFORM TO NEW OR EXISTING GRADES, AS REQUIRED.
2. ALL ON-SITE STORM DRAINAGE MATERIALS AND INSTALLATION SHALL CONFORM TO THE APPLICABLE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT, AND CITY OF MIAMI BEACH PUBLIC WORKS DEPARTMENT AND FOOT SPECIFICATIONS.
3. TYPICAL EXFILTRATION TRENCH SHALL BE AS PER STANDARD DETAIL SD 1.1 OF THE MIAMI-DADE COUNTY PUBLIC WORKS MANUAL, AND INSTALLED AT THE WIDTH, DEPTH AND ELEVATION SHOWN ON THE PLANS. SEE DETAIL SHEET FOR SPECIAL EXFILTRATION TRENCH WITH SAND FILTER. ANY CONFLICT WITH EXISTING OR PROPOSED UTILITIES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER. ANY IMPERMEABLE MATERIAL ENCOUNTERED IN THE EXCAVATION FOR THE EXFILTRATION TRENCH SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
4. ALL DRAINAGE CATCH BASINS AND STRUCTURES SHALL BE PRECAST CONCRETE AS MANUFACTURED BY U.S. PRECAST CORPORATION, OR APPROVED EQUAL, OR AS SPECIFIED ON THE PLANS.
5. ALL DRAINAGE CATCH BASIN FRAMES AND GRATES, AND STORM DRAINAGE MANHOLE RIMS SHALL BE AS MANUFACTURED BY U.S. FOUNDRY, OR APPROVED EQUAL, OR AS SPECIFIED ON THE PLANS.
6. THE TRENCH FILTER FABRIC SHALL BE SELECTED FROM THE MANUFACTURERS AND FABRIC TYPES APPROVED BY THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT. IT SHALL BE USED TO WRAP ALL SIDES, BOTTOM AND TOP OF THE EXFILTRATION TRENCH. THE TOP SECTION OF THE MATERIAL SHALL BE LAPPED A MINIMUM OF 12 INCHES AND THE CONTRACTOR SHALL TAKE EXTREME CARE IN BACKFILLING TO AVOID BUNCHING OF THE FABRIC.
7. SOLID AND PERFORATED STORM DRAINAGE PIPE SHALL BE CORRUGATED METAL PIPE (CMP), HIGH DENSITY POLYETHYLENE PIPE (HDPE), OR AS SPECIFIED ON THE PLANS, SELECTED FROM THE MANUFACTURERS AND TYPES APPROVED BY THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT. PERFORATED PIPE SHALL TERMINATE 4'-0" FROM THE DRAINAGE STRUCTURE. THE REMAINING 5'-0" SHALL BE NON-PERFORATED PIPE.
8. PROVIDE A MINIMUM PROTECTIVE COVER OF 24 INCHES OVER STORM SEWER AND AVOID UNNECESSARY CROSSING BY HEAVY CONSTRUCTION VEHICLES DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL COMPLETE DRAINAGE STRUCTURES AND EXFILTRATION TRENCH SYSTEMS FROM CONTAMINATION OF SILT AND CONSTRUCTION DEBRIS. PLACE PLYWOOD ON, OR FILTER FABRIC BETWEEN, THE FRAME AND INLET GRATE UNTIL CONSTRUCTION OPERATIONS ARE FINISHED.
10. OFF-SITE STORM DRAINAGE MATERIALS AND INSTALLATION SHALL CONFORM TO THE APPLICABLE CITY OF MIAMI BEACH PUBLIC WORKS ENGINEERING STANDARDS AND SPECIFICATIONS.

VIII. PAVING

- 1. GENERAL
A. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF LIME/ROCK BASE.
B. ALL EXISTING PAVEMENT, CUT OR DAMAGED BY CONSTRUCTION SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE.
C. WHERE ANY PROPOSED PAVEMENT IS TO BE CONNECTED TO EXISTING PAVEMENT, THE EXISTING EDGE OF PAVEMENT SHALL BE SAW CUT.
D. PROPOSED ASPHALT PAVEMENT SHALL BE CONNECTED TO EXISTING AS PER FOOT AND MIAMI-DADE COUNTY STANDARDS. CONTRACTOR SHALL MATCH EXISTING ELEVATIONS ON NEW SIDEWALK OR NEW PAVEMENT.
E. CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING CONC. CURBS, CURBS & GUTTER, SIDEWALK AND ASPHALT WHERE NEW SIDEWALK, CURB & GUTTER AND MEDIAN IS PROPOSED TO BE CONSTRUCTED.
F. NONE OF THE EXISTING LIME/ROCK BASE THAT IS REMOVED IS TO BE INCORPORATED INTO THE PROPOSED LIME/ROCK BASE.
2. MATERIALS AND INSTALLATION
A. ALL ON-SITE WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH OF THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT MANUAL, CITY OF MIAMI BEACH PUBLIC WORKS DEPARTMENTS MANUAL AND FOOT SPECIFICATIONS.
B. STABILIZED SUBGRADE FOR DRIVEWAYS AND PARKING AREAS SHALL BE COMPACTED TO A MINIMUM OF 90% OF THE MAXIMUM DENSITY PER AASHTO SPECIFICATION 1-180-74. THE MINIMUM COMPACTED THICKNESS OF THE STABILIZED SUBGRADE SHALL BE 10" WITH A LAB VALUE OF 40.
C. THE MINIMUM COMPACTED THICKNESS OF THE LIME/ROCK BASE SHALL BE 6" AND PLACED IN TWO EQUAL LIFTS. LIME/ROCK BASE SHALL BE PRIMED AND COMPACTED TO 98% PER AASHTO 1-180-74 WITH AN LAB VALUE OF 100.
3. TESTING
A. DENSITY TESTS SHALL BE TAKEN BY AN INDEPENDENT TESTING LABORATORY, CERTIFIED BY THE STATE OF FLORIDA, WHERE DIRECTED BY THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT, CITY OF MIAMI BEACH PUBLIC WORKS DEPARTMENT AND FOOT SPECIFICATIONS INSPECTOR OR THE GEOTECHNICAL ENGINEER.

IX. DEWATERING

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. THE CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE. THE CONTRACTOR SHALL PREPARE AND SUBMIT THE NECESSARY PERMIT APPLICATIONS AND SUPPORTING DOCUMENTS IN ORDER TO OBTAIN A DEWATERING PERMIT FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT AND THE MIAMI-DADE DEVELOPMENT OF REGULATORY AND ECONOMIC RESOURCES (DERE).



KIMLEY-HORN AND ASSOCIATES, INC.
8200 RETZER ROAD, SUITE 2000, PLANTATION, FL 33324
(954) 344-4444
WWW.KIMLEY-HORN.COM
REGISTERED PROFESSIONAL ENGINEER
CARLOS H. ELDRD
FLORIDA LICENSE NUMBER 50000
ISSUED BY JAC
DRAWN BY JAC
CHECKED BY CF
DATE: 9/22/2022

GENERAL NOTES AND SPECS

1920 ALTON ROAD
PREPARED FOR ALTON OFFICE HOLDINGS II, LLC.
CITY OF MIAMI BEACH, FLORIDA

SHEET NUMBER C100

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. THE CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS.

ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON BASED NVD 1929.



DATE: \_\_\_\_\_
REVISIONS: \_\_\_\_\_
NO.



GENERAL NOTES:

- 1. ALL APPLICABLE PERMITS MUST BE OBTAINED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. ALL MATERIALS AND CONSTRUCTION UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF MIAMI BEACH, PUBLIC WORKS DEPARTMENT.
3. THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THE APPROVED PLANS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER OF ANY DISCREPANCY OR VARIATION FROM THE APPROVED DRAWINGS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES AND IMPROVEMENTS TO DAMAGE, DISRUPTION OF SERVICE, OR INTERFERENCE DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY NECESSARY UTILITIES TO ADVISORY THE HEALTH, SAFETY, AND WELFARE OF THEIR MEMBERS HAVING ACCESS TO THE WORK SITE.
5. THE CONTRACTOR SHALL MAINTAIN A CURRENT APPROVED SET OF CONSTRUCTION PLANS ON SITE; THE PLANS ARE TO BE MADE AVAILABLE TO THE ENGINEERING INSPECTOR OF THE CITY OF MIAMI BEACH OR HIS DESIGNEE UPON REQUEST.
6. THE CONTRACTOR SHALL PROVIDE ACCESS AND ASSISTANCE TO THE CITY ENGINEER OR HIS DESIGNEE TO MAKE INSPECTIONS, AS NECESSARY, DURING CONSTRUCTION.
7. NO DEVIATION FROM APPROVED PLANS SHALL BE PERMITTED WITHOUT THE WRITTEN CONSENT OF THE CITY ENGINEER OR HIS DESIGNEE.
8. CONTRACTOR MUST CALL CITY OF MIAMI BEACH, PUBLIC WORKS DEPARTMENT TO OBTAIN A RIGHT-OF-WAY PERMIT AND ARRANGE A PRE-CONSTRUCTION MEETING 48 HOURS PRIOR TO START OF CONSTRUCTION.
9. ENGINEERING PERSONNEL WILL INSPECT ALL FACILITIES APPROVED BY THEIR OFFICE. ALL OTHER REQUIREMENTS OF THE PERMITTING AGENCIES SHALL BE IN ACCORDANCE WITH THEIR STANDARDS.
10. TRENCH EXCAVATIONS IN EXCESS OF 5 FEET DEEP SHALL COMPLY WITH THE TRENCH SAFETY ACT AS PER OSHA, STANDARD 29 CFR 1926.650 SUBPART P IN UTILITY, THE TRENCHES AND DITCHES SHALL BE PROTECTED IN ACCORDANCE WITH RULE 38C 43.02 FAC AND 1A-10992(C).
11. ERECTION OR INSTALLATION OF APPROPRIATE SAFETY AND WARNING DEVICES SHALL BE REQUIRED DURING THE COURSE OF CONSTRUCTION. SAID DEVICES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION'S "MANUAL ON TRAFFIC CONTROL AND SAFETY PRACTICES" AND THE MIAMI-DADE COUNTY PUBLIC WORKS MANUAL.
12. PLANS AND SPECIFICATIONS REQUIRE THAT COMPACTED BACKFILL BE PLACED ALONGSIDE OF AND OVER ALL UTILITIES. THE CITY ENGINEER RESERVE THE RIGHT TO VERIFY BACKFILL WORK. THE COST OF SUCH COMPACTOR TESTS WILL BE BORNE BY THE CITY. THE RETESTING COSTS DUE TO FAILURE OF THE COMPACTOR TEST WILL BE PAID BY THE CONTRACTOR.
13. WORK PERFORMED UNDER THIS PROJECT WILL NOT BE CONSIDERED COMPLETE UNTIL THE FOLLOWING DOCUMENTS ARE RECEIVED BY THE CITY OF MIAMI BEACH, PUBLIC WORKS DEPARTMENT:
A. CONTRACTOR'S SUBCONTRACTOR AND SUPPLIER RELEASES OF LIABILITY.
B. CONTRACTOR'S LETTER OF WARRANTY (LETTER OF AGREEMENT).
C. "AS BUILT" - FOUR (4) ORIGINALS AND SEVEN (7) COPIES OF THE "AS-BUILT" DRAWINGS USING STATE PLANE FLORIDA EAST FIPS 9901 FEET MAP 1983 (F83).
14. THESE PLANS ARE PREPARED FROM UTILITY INFORMATION OF PREVIOUS AND RECENT AVAILABLE RECORDS. THE DESIGNER IS NOT LIABLE FOR ANY UTILITY CONFLICTS AND DAMAGES THAT ARE DISCOVERED DURING CONSTRUCTION. CONTRACTOR SHALL HOLD VERIFY EXISTING UTILITIES, IN CASE THAT A CONFLICT ARISES, THE ENGINEER OF RECORDS OR HIS DESIGNEE SHALL BE INFORMED TO MAKE THE APPROPRIATE DESIGN CHANGES.

Miami Beach Public Works Department logo and title block containing 'GENERAL NOTES GN1a'.

GENERAL NOTES:

- 15. FOR SPECIFICATIONS, PLEASE REFER TO THE CITY OF MIAMI BEACH PUBLIC WORKS MANUAL.
16. DUE TO SOIL CONDITIONS, HIGH WATER TABLE AND PROTECTION OF ROADWAY, UTILITIES AND EXISTING LANDSCAPING, SHORING WILL BE REQUIRED FOR TRENCH AND STRUCTURE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT THE PROPOSED METHOD OF CONSTRUCTION TO THE ENGINEER FOR APPROVAL. AT THE PRECONSTRUCTION MEETING, THE COST OF SHORING WILL BE INCLUDED IN THE COSTS OF STRUCTURE AND PIPES. DRAWINGS MAY BE REQUIRED AND SHALL BE INCLUDED IN THE COSTS OF STRUCTURES AND PIPES.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING TURBIDITY BARRIER AT ALL OUTFALLS SUBJECT TO POTENTIAL POLLUTANT DURING CONSTRUCTION. SEE FOOT NOTES 104. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND MEETING ALL REGULATORY REQUIREMENTS AND CORRECT ANY VIOLATION OR OTHER COMPLAINT TO THE DRAINAGE SYSTEM.
18. CONTRACTOR SHALL PROVIDE MAINTENANCE OF TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH ALL STATE, COUNTY AND LOCAL REGULATIONS.
19. WHEN POWER POLES ARE ADJACENT TO ANY PROPOSED UTILITY, THE CONTRACTOR SHALL PROVIDE PROPER SHORING OR OTHER SUPPORT DURING CONSTRUCTION. THE SHORING AND SUPPORT METHODS SHALL BE APPROVED BY THE UTILITY COMPANY ENGINEERING DEPARTMENT.
20. ALL DEFECTIVE WORK NOT ACCEPTED BY THE CITY ENGINEER OR HIS DESIGNEE, OR BY ANY GOVERNMENT PERMITTING AGENCY SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
21. CONTRACTOR SHALL CONTACT PM/D TO INSPECT METERS AND BOXES AHAD OF CONSTRUCTION TO DETERMINE WHETHER REFERRAL IS NECESSARY.
22. ELEVATIONS ARE REFERRED TO NAVD 88, BASED ON A \_\_\_\_\_ NAVD 88) LOCATOR NAME \_\_\_\_\_ ELEVATION \_\_\_\_\_ (NOV DATA) \_\_\_\_\_ LOCATOR NAME \_\_\_\_\_ ELEVATION \_\_\_\_\_
23. PROVIDE RESTRAINING BY THE USE OF FULL LOCK CASSET ON TITON JOINT PIPE AND AS MANUFACTURED BY U.S. PIPE OR EQUAL.
24. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING UNINTERRUPTED WATER SERVICE DURING THE CONSTRUCTION OF THE TRENCH CONNECTION OF ALL PROPOSED WATER SYSTEMS TO ANY EXISTING WATER MAIN. MAINTENANCE SHALL NOT OCCUR UNTIL THE PROPOSED WORK HAS BEEN APPROVED AND ACCEPTED FOR OPERATION BY THE ENGINEER OF RECORD AND THE CITY OF MIAMI BEACH PUBLIC WORKS DEPARTMENT WATER DIVISION. CONTRACTOR SHALL REQUEST FROM CMB 48 HOURS PRIOR FOR WATER MAIN SHUTDOWN.
25. ALL WATER METER BOXES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH CITY ISSUED WATER METER BOXES AND PAID FOR BY CONTRACTOR.
26. ALL PROPOSED WATER METERS SHOULD BE A MINIMUM OF A 2-INCH SERVICE.
27. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE ACTUAL NUMBER OF EXISTING WATER SERVICES TO BE CONNECTED TO THE PROPOSED WATER MAIN.
28. ALL DUCTILE IRON PIPE SHALL BE INSTALLED IN ACCORDANCE WITH AHS/AJWA C 800 LATEST EDITION AND WITH A DETECTOR TAP. DETECTOR TAP SHALL BE 3/8" WIDE BLUE TAPE FOR WATER MAIN WITH A METALLIC FOR ONE LAMINATED BETWEEN TWO LAYERS OF POLYESTER FIBER. THE WATER MAIN WATER LINE BURIED BELOW ON THE UPPER SIDE OF THE PIPE SHALL BE PRINTED AT 30" INTERVALS ALONG THE TAPE. TAPE SHALL BE PLACED BELOW GROUND ABOVE ALL WATER MAINS AND SERVICES OR AS RECOMMENDED BY MANUFACTURER NON-METALLIC PIPE SHALL BE USED ABOVE DUCTILE IRON PIPE.

Miami Beach Public Works Department logo and title block containing 'GENERAL NOTES GN1b'.

GENERAL NOTES:

- 30. CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE WITH HRS (DEPT. OF HEALTH) THE WATER SAMPLING AND BACTERIOLOGICAL TESTS AND FINAL CERTIFICATION FROM HRS.
31. TAPPING SLEEVE VALVE TO BE PRESSURE TESTED AT 125 PSI FOR TWO (2) HOURS BEFORE TAPPING. TRENCH BLOCK NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY THE CITY ENGINEER. USE MEGALUGS OR CLASS 316 STAINLESS STEEL RESTRAINING RODS.
32. CONTRACTOR SHALL EXERCISE CARE WHEN WORKING NEAR EXISTING CLAY PIPING.
33. EXISTING PIPE WORKMANS SHALL REMAIN IN SERVICE UNTIL THE NEW MAIN IS PLACED IN SERVICE. ONCE THE NEW MAIN IS IN SERVICE, THE OLD HYDRANT SHALL BE COVERED AND TAGGED WITH A SIGN INDICATING "OUT OF SERVICE" UNTIL IT IS REMOVED BY THE CONTRACTOR.
34. MUST HURRY FOR RECONSTRUCTION AND TRENCH WORK MUST BE STRICTLY FOLLOVED DURING AND AFTER CONSTRUCTION.
35. PIPES SHALL BE INSTALLED IN THE DRY.
36. ALL D.I. PIPE SHALL BE THICKNESS CLASS 52 AND SHALL BE POLYWRAPPED AS PER HW.
37. ALL RELATED HARDWARE FOR RESTRAINING RODS TO BE STAINLESS STEEL CLASS 316.
38. A CONCRETE SLAB SHALL BE INSTALLED OVER ANY PIPE INSTALLED WITH LESS THAN 30" OF COVER AS PER STANDARD DETAIL SE51.
39. ELEVATIONS ON PLANS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
40. THE CONTRACTOR SHALL BE GOVERNED BY THE LATEST APPLICABLE EDITIONS OF THE F.D.O.T. DESIGN STANDARDS AND THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND SUPPLEMENTS THERE TO IF NOTED IN THE SPECIAL PROVISIONS FOR THIS PROJECT.
41. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE PROJECT AREA BEFORE THE START OF CONSTRUCTION. SEE THE UTILITY CONTACT INFORMATION TABLE FOR CONTACT INFORMATION.
42. ANY DAMAGED PUBLIC OR PRIVATE PROPERTY BY THE CONTRACTOR SHALL BE RESTORED TO PREEXISTING CONDITIONS OR BETTER AT NO EXPENSE TO THE OWNER.
43. ALL CONSTRUCTION DEBRIS SHALL BE PROPERLY DISPOSED OF OFFSITE AT THE CONTRACTOR'S EXPENSE.
44. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 305 FOR THE PROTECTION OF UNDERGROUND GAS LINES.
45. ERECTION OR INSTALLATION OF APPROPRIATE SAFETY AND WARNING DEVICES SHALL BE REQUIRED DURING THE COURSE OF CONSTRUCTION. SAID DEVICES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION'S "MANUAL OF TRAFFIC CONTROL AND SAFETY PRACTICES" AND THE MIAMI-DADE COUNTY PUBLIC WORKS MANUAL.
46. ALL EXISTING UTILITIES, MAIN LINE COVERS, ELECTRICAL BOXES, VALVE BOXES, METER BOXES, DRAINAGE STRUCTURES, ETC. WITHIN PROPOSED AREAS OF IMPROVEMENTS SHALL BE ADJUSTED TO GRADE ELEVATION, UNLESS OTHERWISE NOTED.
47. CONTRACTOR SHALL REPLACE ALL UTILITY BOXES/COVERS DAMAGED DURING CONSTRUCTION. CONTRACTOR SHALL NOTE THE CONDITION OF WATER METER BOXES BEFORE STARTING WORK. IF EXISTING WATER METER BOXES ARE DAMAGED, CONTACT THE CITY OF MIAMI BEACH FOR REPAIR/REPLACE.
48. CONTRACTOR SHALL USE A STREET SWEEPER (AUTOMATIC WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK.

Miami Beach Public Works Department logo and title block containing 'GENERAL NOTES GN1c'.

GENERAL NOTES:

- 50. THE COLOR OF THE DETECTABLE WARNINGS ON CONCRETE OF COLORS OTHER THAN MIAMI BEACH RED, COORDINATE WITH THE PUBLIC WORKS DEPARTMENT FOR APPROPRIATE COLOR AND CONTRAST.
51. ALL SONING AND PAVEMENT MARKINGS INSTALLED AS PART OF THESE PLANS SHALL CONFORM TO THE LATEST EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS. ALL SIGN PANELS SHALL BE FABRICATED TO COMPLY WITH THE LATEST EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION STANDARD HIGHWAY SIGNS.
52. MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND THE END OF THE PROJECT WITHOUT JOSE OR OFFSETS.
53. INCORRECTLY PLACED THERMOPLASTIC OR PAINT MARKINGS OVER ASPHALT PAVEMENT WILL BE REMOVED BY MILLING AND REPLACING THE ASPHALT PAVEMENT A MINIMUM WIDTH 18 IN. AT THE CONTRACTOR'S EXPENSE. THE ENGINEER MAY APPROVE AN ALTERNATE METHOD IF IT CAN BE DEMONSTRATED TO COMPLETELY REMOVE THE MARKINGS WITHOUT DAMAGING THE ASPHALT.

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DERM NOTES ON WATER-SEWER INSTALLATION:

- 1. A HORIZONTAL DISTANCE OF AT LEAST 6 FEET, AND PREFERABLY 10 FEET (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN GRAVITY OR PRESSURE SEWER PIPES AND WATER PIPES. THE MINIMUM HORIZONTAL SEPARATION CAN BE REDUCED TO 3 FEET FOR VACUUM-TYPE SEWERS OR FOR GRAVITY SEWERS INSIDE THE BOTTOM OF THE SEWER PIPE IS AT LEAST 6 INCHES BELOW THE BOTTOM OF THE WATER PIPE.
WHEN THE ABOVE SPECIFIED HORIZONTAL DISTANCE CRITERIA CANNOT BE MET DUE TO AN EXISTING UNDERGROUND FACILITY CONFLICT, SMALLER SEPARATIONS ARE ALLOWED IF:
- THE SEWER PIPES ARE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE AND PRESSURE TESTED AT 150 PSI.
- THE SEWER IS ENCASED IN A WATERTIGHT CARRIER PIPE OR CONCRETE.
- THE TOP OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER PIPE.
2. A VERTICAL DISTANCE OF AT LEAST 12 INCHES (OUTSIDE TO OUTSIDE) SHALL BE MAINTAINED BETWEEN ANY WATER AND SEWER MAINS WITH SEWER PIPES CROSSING UNDER WATER MAINS. THE MINIMUM VERTICAL SEPARATION CAN BE REDUCED TO 6 INCHES FOR VACUUM-TYPE SEWERS OR FOR GRAVITY SEWERS INSIDE THE BOTTOM OF THE WATER MAIN.
CROSSING SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST 6 FEET FROM ALL JOINTS IN GRAVITY AND PRESSURE SEWER PIPES. THE DISTANCE CAN BE REDUCED TO 3 FEET FOR VACUUM-TYPE SEWERS. WHEN THE ABOVE SPECIFIED VERTICAL DISTANCE CRITERIA CANNOT BE MET DUE TO AN EXISTING UNDERGROUND FACILITY CONFLICT, SMALLER SEPARATIONS ARE ALLOWED IF:
- THE SEWER PIPES ARE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE AND PRESSURE TESTED AT 150 PSI.
- THE SEWER IS ENCASED IN A WATERTIGHT CARRIER PIPE OR CONCRETE.
3. IN HIGHLY CONGESTED AREAS, WHERE OTHER WATER OR SEWER FACILITIES ARE EXISTING AND THE SEPARATION REQUIREMENTS CANNOT BE MET, SPECIAL CONSIDERATION MAY BE GIVEN SUBJECT TO SUBMITTAL OF DOCUMENTATION SHOWING THAT THE PROPOSED ALTERNATIVE WILL RESULT IN AN EQUIVALENT LEVEL OF RELIABILITY AND PUBLIC HEALTH PROTECTION.
4. THE CONTRACTOR SHALL VERIFY HEALTH, DEPTH, AND NUMBER OF EXISTING UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. ALL OTHER PUBLIC OR PRIVATE UTILITY FACILITIES SHALL BE CONSTRUCTED AT LEAST 5 FEET FROM ANY WATER AND SEWER MAIN AS MEASURED FROM THE OUTSIDE BELL OF THE WATER OF THE UTILITY PIPE.
6. WHEN THE 5 FEET SEPARATION BETWEEN PROPOSED AND EXISTING LINE IS NOT POSSIBLE, THE CONTRACTOR SHALL HURRY TO EXPOSE THE WATER AND SEWER PIPES BEFORE PROCEEDING WITH POWER EQUIPMENT EXCAVATION.
7. IN NO CASE SHALL A CONTRACTOR SHALL UTILITY PIPES, CONDUITS, CABLES, ETC. IN THE SAME TRENCH PARALLEL AND ABOVE AN EXISTING WATER OR SEWER PIPE EXCEPT WHERE THEY CROSS. ANY DEVIATION FROM NOTES 6, 7 AND 8 SHALL BE APPROVED IN WRITING BY THE RESPONSIBLE WATER AND SEWER UTILITY.
8. A NON-RETRACTABLE ELAPSED TIME METER SHALL BE INSTALLED AT EACH PUMP TO RECORD THE TOTAL NUMBER OF OPERATING HOURS OF THE STATION.

Miami Beach Public Works Department logo and title block containing 'DERM NOTES GN1e'.

ENGINEER'S NOTES:

- 1. EXISTING UNDERGROUND UTILITIES INFORMATION SHOWN ON THE DRAWINGS AS TO THEIR LOCATION AND CHARACTER HAS BEEN PREPARED FROM THE MOST RELIABLE DATA AVAILABLE TO THE ENGINEER. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED. THE CONTRACTOR SHALL CONTACT SURVEYING STATE ONE CALL OF FLORIDA, 1-800-432-4770 TWO (2) BUSINESS DAYS PRIOR TO ANY EXCAVATION TO MEET SAID LOCATIONS AND THE LOCATIONS OF RECENT ADDITIONS TO THE SYSTEMS NOT SHOWN. EXTREME CAUTION SHALL BE EXERCISED BY THE CONTRACTOR TO ELIMINATE ANY POSSIBILITY OF DAMAGE TO UTILITIES DURING CONSTRUCTION. THE LOCATION AND CHARACTER OF ALL UTILITIES SHALL BE VERIFIED AND THE OWNER'S REPRESENTATIVE NOTIFIED OF ANY CONFLICT THAT MIGHT OCCUR.
2. ALL EXISTING GRAZED AREAS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE SODDED COMPLETELY AS DIRECTED BY THE CONSTRUCTION MANAGER AT NO ADDITIONAL COST TO THE CONTRACTOR.
3. PROTECT MATERIALS AND EQUIPMENT ON SITE FROM WEATHER, DUST, AND DEBRIS AT ALL TIMES, AND AVOID THE CREATION OF MUDSPOTS OR HAZARDOUS MATERIALS AT ALL TIMES.
4. UNREMOVED ITEMS SHALL BE RESTORED TO THEIR ORIGINAL DESIGN AND FUNCTION AT CONTRACTOR'S EXPENSE.
5. WHERE PAVEMENT DEMOLITION IS REQUIRED, THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION TO PROTECT AND PREVENT DAMAGE TO ADJACENT STRUCTURES AND PAVEMENTS TO REMAIN. LIMITS OF PAVEMENT DEMOLITION SHALL BE PERFORMED IN A NEAT, STRAIGHT LINE BY SAW CUTTING.
6. EXISTING BENCHMARKS LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED. IN THE EVENT THAT THE BENCHMARKS ARE DISTURBED OR DESTROYED, THEY SHALL BE REPLACED UPON COMPLETION OF THE PROJECT.
7. ADJUSTMENT AND CLEANING: CLEAN DEBRIS FROM AREAS OF DEMOLITION LEAVING AREA SUITABLE FOR WORK.
8. FILL MATERIALS RESULTING FROM DEMOLITION WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR. REMOVE FROM SITE AND DISPOSE OF THESE MATERIALS IN A MANNER AND LOCATION APPROVED BY MIAMI-DADE COUNTY REGULATIONS.

Miami Beach Public Works Department logo and title block containing 'ENGINEER'S NOTES GN1f'.

Table with columns for PROJECT NO., DATE, REVISIONS, and a large vertical logo for Kimley-Horn & Associates, Inc. with contact information.

Table with columns for KHA PROJECT NO., DATE, SCALE, AS SHOWN, DESIGNED BY, DRAWN BY, CHECKED BY, and a vertical logo for Kimley-Horn & Associates, Inc.

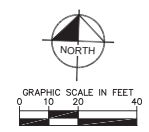
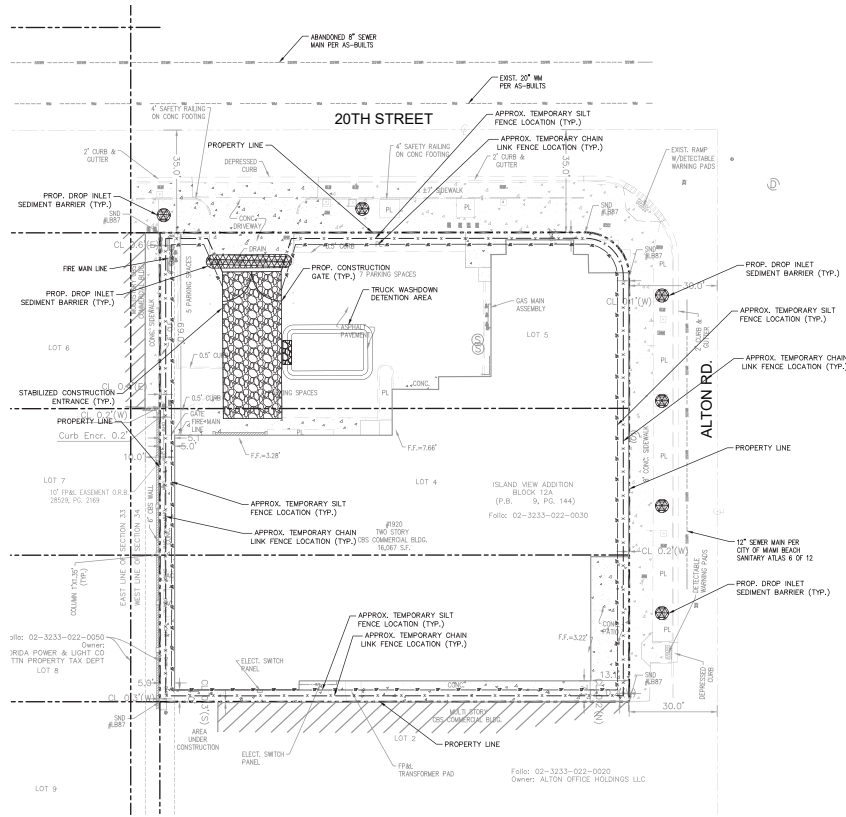
GENERAL NOTES AND SPECS

1920 ALTON ROAD PREPARED FOR ALTON OFFICE HOLDINGS II, LLC. FLORIDA CITY OF MIAMI BEACH SHEET NUMBER C101

811 logo with text: KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG. It's fast. It's free. It's the law. www.call811.com

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS.

ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON BASED NAVD 1929.



LEGEND	
	PROPERTY LINE
	EXISTING WATER
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING OVERHEAD WIRE
	EXISTING COMMUNICATION LINE
	EXISTING NATURAL GAS LINE
	EXISTING CATCH BASIN
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING SANITARY SEWER MANHOLE
	EXISTING STORM SEWER MANHOLE
	PROPOSED CHAIN LINK CONSTRUCTION FENCE
	PROPOSED SILT FENCE
	PROPOSED TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
	PROPOSED DROP INLET SEDIMENT BARRIER



NO.	REVISIONS	DATE	BY

**Kimley»Horn**  
 © 2022 KIMLEY-HORN AND ASSOCIATES, INC.  
 8201 PETERS ROAD, SUITE 2000, PLANTATION, FL 33324  
 PHONE: (954) 344-4000 FAX: (954) 339-3359  
 WWW.KIMLEY-HORN.COM REGISTRY: 035746

KHA PROJECT: 1920ALTON  
 KHA DATE: SEPT 2022  
 SCALE: AS SHOWN  
 DESIGNED BY: JAC  
 DRAWN BY: JAC  
 CHECKED BY: CF  
 DATE: 9/22/2022  
 LICENSED PROFESSIONAL: CARLOS H. ELDRAIN  
 FLORIDA LICENSE NUMBER: 80000

**EROSION CONTROL PLAN**

1920 ALTON ROAD  
 PREPARED FOR:  
 ALTON OFFICE  
 HOLDINGS II, LLC.  
 CITY OF MIAMI BEACH, FLORIDA

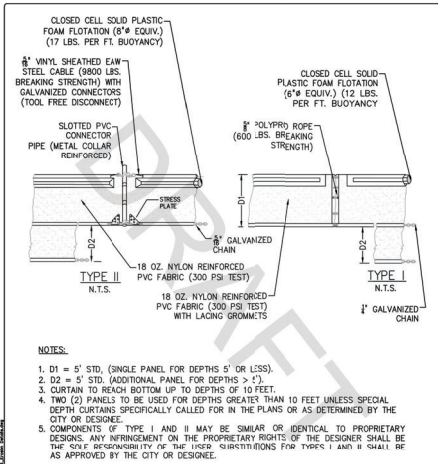
SHEET NUMBER: C200

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS.

ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NGVD 1929.







MIAMI BEACH PUBLIC WORKS DEPARTMENT	APPROVED	DESIGNED	TITLE	SCALE
			FLOATING TURBIDITY BARRIER	9-2

Section 9. Erosion and Sediment Control September 2021 (FINAL)

PART I - GENERAL

1.01 REFERENCE SPECIFICATIONS, CODES AND STANDARDS

A. Without limiting the generality of the other requirements, all work herein shall conform to the applicable requirements of the following documents. All referenced specifications, codes, and standards refer to the most current issue available.

- American Association of State Highway Transportation Officials (AASHTO)
  - AASHTO M228 Geotextiles
- American Society for Testing Materials (ASTM)
  - ASTM D3276 Standard Test Methods for Mass Per Unit Area (Weight) of Fabric
  - ASTM D3286 Standard Test Method for Bursting Strength of Textile Fabrics—Dishrag Bursting Strength Test Method
  - ASTM D4355 Standard Test Method for Gas permeation of Geotextiles by Exposure to Light, Moisture and Heat in a Xenon Arc-TPP Apparatus
  - ASTM D4491 Standard Test Methods for Water Permeability of Geotextiles by Permeability
  - ASTM D4632 Standard Test Method for Creep Breaking Load and Elongation of Geotextiles
  - ASTM D4751 Standard Test Methods for Determining Apparent Opening Size of a Geotextile
  - ASTM D4833 Standard Test Method for Index of Puncture Resistance of Geotextiles and Nonwovens
- Florida Administrative Code (FAC)
- Florida Building Code
- Florida Department of Environment Regulation
  - The Florida Land Development Manual A Guide to Sound Land and Water Management, Chapter 6
  - Florida Department of Environment Protection (FDEP)
- Florida Department of Transportation (FDOT)
  - Florida Department of Transportation (FDOT) Page 9-3

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Section 9. Erosion and Sediment Control September 2021 (FINAL)

Design concerns

Standard Plans for Road and Bridge Construction

8. Florida Department of Transportation (FDOT) and FDEP

Erosion and Sediment Control Designer and Reviewer Manual

9. Miami-Dade Division of Environmental Resources Management, Department of Regulatory and Economic Resources (RER-DERM) Regulations

10. Occupational Safety and Health (OSHA) Regulations

1.02 SAFETY AND PROTECTION DEVICES

A. It shall be the sole responsibility of the Contractor to protect persons from injury and to avoid property damage. Adequate barricades, construction signs, torches, red lanterns, and guards as required shall be placed and maintained during the progress of the construction work for the protection of the public in compliance with all Local, State, Federal, and OSHA laws and regulations.

B. The Contractor shall have full responsibility for and be required to make good, at its own expense, all damage to property or adjacent properties caused in the execution of the Work.

C. The Contractor shall take all necessary precautions for the safety of its employees on the job and shall comply with all applicable provisions of Local, State, and Federal safety laws and regulations to prevent accidents or injury to persons on, about, or adjacent to the premises where the Work is being performed.

D. Contractor is solely responsible for site security. Contractor shall properly secure all materials and equipment from damage and/or theft. In the event that the Contractor's tools or materials delivered to or stored on-site are stolen or damaged, the Contractor shall be responsible for such theft.

E. The Contractor shall comply promptly with such safety regulations as may be prescribed by the City or designers of the local authority having jurisdiction and shall, when so directed, properly correct any unsafe conditions created by or unsafe practices on the part of its employees. In the event of the Contractor's failure to comply, the City or designers may take the necessary measures to correct the conditions or practices complained of, and all costs thereof will be deducted from any monies due the Contractor. Failure of the City or designers to direct the correction of unsafe conditions or practices shall not relieve the Contractor of its responsibility hereunder.

F. The Contractor shall be in compliance with all applicable provisions of the Florida Building Code and OSHA Regulations in general and specifically the provisions

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Section 9. Erosion and Sediment Control September 2021 (FINAL)

concerning continued space entry and the trench safety Act, including notification of the Sunshine State One-Call Center (1-800-432-4770), 48 hours prior to any excavation.

1.03 REQUIREMENTS

A. All work, including work less than one (1) acre in size, that has the potential to impact the City's Municipal Separate Stormwater System (MS4), and/or adjacent properties, is required to employ sediment and erosion control measures that are in accordance with the FDEP Florida Storm Water Erosion and Sedimentation Control Inspector's Manual, latest revision, and in accordance with RER-DERM requirements.

B. All construction activity that results in the disturbance of equal to or greater than one (1) acre is required to obtain coverage under the FDEP Generic Permit for Storm Water Discharge from Large and Small Construction Activities (Construction Generic Permit (CGP)).

C. If required by law, the Contractor shall obtain permits required by the National Pollutant Discharge Elimination System (NPDES) Stormwater Permitting program for stormwater activity, as required by Florida Administrative Code (FAC) Chapter 62-621 and administered by FDEP.

D. NPDES best management practices for sediment and erosion work must be strictly followed during and after construction.

E. The Contractor is responsible for following the best erosion and sediment control practices as outlined in the plans, specification, applicable permits, and the prevention, correction, control, and abatement of erosion and water pollution in accordance with FAC Chapter 62-302.

F. The Contractor shall design, provide, maintain, and remove temporary erosion and sediment controls as necessary.

G. Temporary erosion controls may include, but are not limited to, mulching, staking, and watering on site surfaces and silt and borrow area surfaces, providing silt-trapber dishes at ends of berms and at those locations which will ensure erosion during construction will be either eliminated or maintained within acceptable limits as established by the City and all regulatory agencies having jurisdiction.

H. Temporary sedimentation controls include, but are not limited to, silt ditches, traps, barriers, and silt fences at the foot of sloped surfaces which will ensure sedimentation pollution will be either eliminated or maintained within acceptable limits as established by the City and all regulatory agencies having jurisdiction.

I. The Contractor shall provide effective temporary erosion and sediment control measures during construction or until final controls become effective.

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Section 9. Erosion and Sediment Control September 2021 (FINAL)

J. All excavations and earthworks shall be done in a manner to minimize water turbidity and pollution. Discharge shall be controlled and routed through hay bales, siltation bags, sumps, or other approved sediment filtering devices. The Contractor shall be responsible for the prevention, correction, control, and abatement of erosion and water pollution in accordance with FAC Chapter 62-302.

K. The Contractor is responsible for the removal of any siltment that leaves the site and changes any downstream conditions by raising channel bottoms and/or dragging outfall culverts.

L. The Section includes the minimum erosion and sediment control measures required. The Contractor is responsible for meeting all applicable rules, regulations, and water quality guidelines and may need to install additional controls.

M. The Contractor shall pay for any water quality control violations from any agency that results in fines being assessed to the City because of the Contractor's failure to eliminate turbid runoff from leaving the site and raising background levels of turbidity above the water quality standard.

1.04 SUBMITTALS

A. The Contractor shall prepare and submit to permitting agencies with jurisdiction a Stormwater Pollution Prevention Plan (SWPPP) when required by FDEP.

B. The Contractor shall submit a copy of the approved SWPPP for temporary erosion and sediment control to the City or designer.

C. The Contractor shall videotape the entire project site during normal working hours including all concrete and asphalt pavement, curb and gutter, landscaping, retaining structures to be demolished, and existing structures that are to be modified. All videos and photographs shall be date and time stamped and a digital copy submitted on a flash drive/memory stick or media accessible to the City of Miami Beach Public Works Department prior to beginning construction activities. The videotape/photographs shall clearly identify existing site and structural conditions prior to construction.

1.05 QUANTITY ASSURANCE

A. Work shall be performed in accordance with Contract Documents, Drawings, and/or City of Miami Beach Public Works Manual Specifications and Standard Details. In a neat and accurate manner. It is the intent of the City to obtain a complete and working installation according to these Specifications, and any terms of labor, equipment, or materials which may not be assumed as necessary to accomplish this and shall be supplied whether or not they are specifically shown on the project plans or stated herein.

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**EROSION CONTROL  
DETAILS AND NOTES**

**1920 ALTON ROAD  
PREPARED FOR  
ALTON OFFICE  
HOLDINGS II, LLC.**

FLORIDA  
CITY OF MIAMI BEACH

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS.

ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON BASED NVD 1929.



SHEET NUMBER  
**C201**

NO.	REVISIONS	DATE

**Kimley-Horn**

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8201 PETERS ROAD, SUITE 2006, ATLANTA, GA 30324  
(404) 427-4000  
WWW.KIMLEY-HORN.COM

LICENSED PROFESSIONAL  
DATE: 9/22/2022

CARLOS H. FLORES  
FLORIDA LICENSE NUMBER  
50000

KHA PROJECT  
DATE: 9/22/2022

**BEST MANAGEMENT PRACTICES (BMPs):**

THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH APPROPRIATE CONDITIONS OF THE MIAMI-DADE COUNTY LAND DEVELOPMENT REGULATIONS, THE RULES OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP), CHAPTER 17-05, F.A.C., THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD), CHAPTER 400-4, F.A.C., AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) DOCUMENT NO. EPA 832/R-92-005 (SEPTEMBER 1992). THE PLAN ADDRESSES THE FOLLOWING:

- 1. PREVENT LOSS OF SOIL DURING CONSTRUCTION BY STORMWATER RUNOFF AND/OR WIND EROSION, INCLUDING PROTECTING TOPSOIL BY STOCKPILING FOR REUSE.
2. SEDIMENTATION PROTECTION OF STORM SEWER OR RECEIVING STREAM.
3. PREVENT POLLUTING THE AIR WITH DUST AND PARTICULATE MATTER, THE VARIOUS TECHNIQUES OR ACTIONS DESCRIBED UNDER THESE HEADINGS INDICATE THE APPROPRIATE SITUATION WHEN THE TECHNIQUES SHOULD BE EMPLOYED. ALSO IDENTIFIED IS A CROSS-REFERENCE TO A DIAGRAM OR FIGURE REPRESENTING THE TECHNIQUE. IT SHOULD BE NOTED THAT THE WORKSCHEDULES AND THE METHODS DESCRIBED IN THIS PLAN ARE SUBJECT TO CHANGE. THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN ACCORDANCE WITH THE CURRENT FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS. CONTRACTOR SHALL PREPARE REQUIRED NPDES DOCUMENTATION AND OBTAIN PERMIT PRIOR TO COMMENCEMENT OF CONSTRUCTION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE THE REQUIRED NPDES DOCUMENT AND OBTAIN THE NPDES PERMIT. ALL COST ASSOCIATED WITH SUCH WORK SHALL BE DEEMED INCIDENTAL TO THE PROJECT LUMP-SUM COST.

**GENERAL EROSION CONTROL NOTES:**

- 1. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THESE EROSION CONTROL DRAWINGS, THE STANDARD DETAILS, THE NPDES PERMIT (TO BE OBTAINED BY CONTRACTOR) AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THIS DRAWING AND THE STATE OF FLORIDA NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP) IN ALL CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
A. FUEL SPILLS AND LEAKS PREVENTION
B. PREVENT/REDUCE VEHICLE AND EQUIPMENT WASHING AND STEAM CLEANING
C. VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR
D. PROPER OUTDOOR LOADING/STACKING OF MATERIALS
E. PREVENT/REDUCE OUTDOOR STORAGE OF RAW MATERIALS, PRODUCTS, AND BY-PRODUCTS
F. SOLID WASTE MANAGEMENT
G. HAZARDOUS WASTE MANAGEMENT
H. CONCRETE WASTE MANAGEMENT
I. SANDBLASTING WASTE MANAGEMENT
J. STRUCTURE CONSTRUCTION AND PAINTING
K. SPILL PREVENTION AND CONTROL
L. CONTAMINATED SOIL MANAGEMENT
M. SANITARY/SEPTIC WASTE MANAGEMENT
N. SOIL EROSION CONTROL
O. STORM WATER TURBIDITY MANAGEMENT
4. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
A. BEST MANAGEMENT PRACTICES (BMPs) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL PERMIT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
B. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. CONTRACTOR MUST MAINTAIN ALL PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WATERS ON SITE AT ALL TIMES.
C. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
D. CONTRACTOR SHALL BEGIN CLEARING AND GRUBBING THOSE PORTIONS OF THE SITE NECESSARY TO IMPLEMENT PERMITTED CONTROL MEASURES. CLEARING AND GRUBBING FOR THE REMAINING PORTIONS OF THE PROJECTED SITE SHALL COMMENCE ONCE PERMITTER CONTROLS ARE IN PLACE. PERMITTER CONTROLS SHALL BE ACTIVELY MAINTAINED UNTIL SAID AREAS HAVE BEEN STABILIZED AND SHALL BE REMOVED ONCE FINAL STABILIZATION IS COMPLETE.
E. GENERAL EROSION CONTROL BMPs SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND POTENTIAL LAKE SLOPE CAVE-INS, WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE DURING CONSTRUCTION.
F. ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
G. SURFACE WATER QUALITY SHALL BE MAINTAINED BY EMPLOYING THE FOLLOWING BMPs IN THE CONSTRUCTION PLANNING AND CONSTRUCTION OF ALL IMPROVEMENTS.

**STORMWATER EROSION CONTROL NOTES:**

- 1. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT FROM DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONNECTION WITH THE STABILIZATION OF THE SITE.
2. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
3. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (COMPOST SOCK DEVICES, ETC.) TO PREVENT EROSION.
4. WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES.
5. EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:
A. IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.
B. STORMWATER INLETS SHALL BE PROTECTED DURING CONSTRUCTION. PROTECTION MEASURES SHALL BE EMPLOYED AS SOON AS PRACTICAL DURING THE VARIOUS STAGES OF INLET CONSTRUCTION. SILT BARRIERS SHALL REMAIN IN PLACE UNTIL SEEDING AROUND INLETS IS COMPLETE.
C. WHEN NEEDED A TEMPORARY SEDIMENT TRAP SHOULD BE CONSTRUCTED TO DETAIN SEDIMENT-LADEN RUNOFF FROM DISTURBED AREAS.
6. SILT BARRIERS, ANY SILT WHICH ACCUMULATES BEHIND THE BARRIERS, AND ANY FILL USED TO ANCHOR THE BARRIERS SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERIOD SPECIFIED FOR THE BARRIERS.
7. SOG SHALL BE PLACED FOR A 2-FOOT WIDE STRIP ADJOINING ALL CURBING AND AROUND ALL INLETS. SOG SHALL BE PLACED BEFORE SILT BARRIERS ARE REMOVED.
8. WHERE REQUIRED TO PREVENT EROSION FROM SHEET FLOW ACROSS BARE GROUND FROM ENTERING A LAKE OR SWALE, A TEMPORARY SEDIMENT SUMP SHALL BE CONSTRUCTED.
9. FILTER FABRIC SHOULD BE USED FOR STORM DRAIN INLET PROTECTION BEFORE FINAL STABILIZATION.

**STABILIZATION NOTES:**

SHALL BE IN ACCORDANCE WITH DEP DOCUMENT NO. 62-621.300(4)(c)

**STRUCTURAL NOTES:**

SHALL BE IN ACCORDANCE WITH DEP DOCUMENT NO. 62-621.300(4)(c)

**WASTE DISPOSAL NOTES:**

- 1. WASTE MATERIALS - ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER WITH A SECURE LID IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE PROJECT SHALL BE STORED IN FULLY FUNCTIONING CONTAINERS UNTIL NO LONGER REQUIRED FOR THE PROJECT. UTILITIES TO HAVE THE CONTAINERS LIFTED AT LEAST THREE TIMES A WEEK AND THE WASTE TAKEN TO AN APPROPRIATE LANDFILL. CONTRACTOR SHALL BE RESPONSIBLE FOR POSTING AND EMPLOYING THE NEAREST TRUCKING COMPANY TO REMOVE TRASH FOR THE EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH WASTE MATERIALS. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR POSTING AND EMPLOYING THE NEAREST TRUCKING COMPANY.
2. HAZARDOUS WASTE - HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS OR AS DIRECTED BY THE MANUFACTURER. THE SUPERINTENDENT SHALL ORGANIZE THE PROPER TRAINING FOR EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH HAZARDOUS WASTE MATERIALS. THESE PROCEDURES SHALL BE POSTED ON THE SITE. THE PERSON WHO MANAGES THE SITE SHALL BE RESPONSIBLE FOR ENSURING THE PROCEDURES.
3. SANITARY WASTE - SANITARY WASTE SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITY FOR COLLECTION OF THE SANITARY WASTE AT LEAST THREE TIMES A WEEK TO PREVENT SPILLAGE ONTO THE SITE.
4. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.

**MAINTENANCE NOTES:**

- ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE FULLY FUNCTIONING. CONTRACTOR SHALL NO LONGER BE REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETRIORATION.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEED AS NEEDED.
3. THE COMPOST SOCK FILTRATION DEVICE SHALL BE INSPECTED PERIODICALLY FOR HEIGHT OF SEDIMENT AND CONDITION OF SOCK. COMPOST SOCK SHALL BE REMOVED TO ITS ORIGINAL CONDITION IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE COMPOST SOCK WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE COMPOST SOCK.
4. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC HIGHWAYS OR OFF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. THE SEDIMENT BASINS/DITCHES SHALL BE CHECKED MONTHLY FOR DEPTH OF SEDIMENT. SEDIMENT SHALL BE REMOVED FROM SEDIMENT TRAPS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 10% AND AFTER CONSTRUCTION IS COMPLETE.
7. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN SEVEN CALENDAR DAYS FOLLOWING THE INSPECTION/OVERSEER DUES SHALL BE INSPECTED MONTHLY. ANY BREAKDOWNS SHALL BE PROMPTLY REPAIRED.
8. A MAINTENANCE REPORT SHALL BE COMPLETED DAILY AFTER EACH INSPECTION OF THE SEDIMENT AND EROSION CONTROL METHODS. THE REPORTS SHALL BE FILED IN AN ORGANIZED MANNER AND RETAINED ON-SITE DURING CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETED, THE REPORTS SHALL BE SAVED FOR AT LEAST THREE YEARS. THE REPORTS SHALL BE AVAILABLE FOR ANY AGENCY THAT HAS JURISDICTION OVER EROSION CONTROL.
9. ALL REPAIRS MUST BE MADE WITHIN 24 HOURS OF REPORT.
10. THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS AND REPORTS.
11. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

**OFFSITE TRACKING:**

- 1. STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO REDUCE SEDIMENT TRACKING OFFSITE. THE MAJOR ROAD CONNECTED TO THE PROJECT SHALL BE CLEANED ONCE A DAY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK RESULTING FROM CONSTRUCTION TRAFFIC. ALL TRUCKS HAULING MATERIALS OFFSITE SHALL BE COVERED WITH A TARPALIN.
2. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATION PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES, HAY BALES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OF OIL, GREASE OR LUBRICANTS. CONTRACTORS SHALL HAVE AVAILABLE AND SHALL USE ABSORBENT FILTER PADS TO CLEAN UP SPILLS AS SOON AS POSSIBLE AFTER OCCURRENCE.
3. ALL WASH WATER FROM CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC. SHALL BE DETAINED ON SITE AND SHALL BE PROPERLY TREATED OR DISPOSED.
4. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRMS MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
5. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REPAIRED IMMEDIATELY.

**SPILL PREVENTION AND CONTROL:**

- THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.
1. GOOD HOUSEKEEPING
A. SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.
B. STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.
C. ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.
D. ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.
E. PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.
F. ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

**2. HAZARDOUS PRODUCTS**

- A. MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RECALLED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.
B. PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.

**3. PRODUCT SPECIFIC PRACTICES**

- A. PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.
B. THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
C. PAINT CONTAINERS SHALL BE SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT MUST BE DISPOSED OF IN AN APPROVED MANNER.
D. CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

**SPILL CLEANUP:**

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED ABOVE, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

- 1. SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.
2. THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON-SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAMUDD, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.
3. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ONSITE AND READY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
4. ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.
5. WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE CLOTHING TO PREVENT INJURY.
6. TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.
7. AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.
8. THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAILY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

**WIND EROSION CONTROL NOTES:**

- 1. WIND EROSION SHALL BE CONTROLLED BY EMPLOYING THE FOLLOWING METHODS AS NECESSARY AND APPROPRIATE:
A. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION ACTIVITY TO LEAVE BARE EARTH HAS NOT BEEN PERMANENTLY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO SEEP INTO THE ADJACENT CONSTRUCTION.
B. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED (SEE PERMANENT STABILIZATION PRACTICES FOR DETAILS). THESE AREAS SHALL BE SEEDING NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN. CLEARLY STATE DEVELOPMENT AREAS NOT CONTINUALLY SCHEDULED FOR CONSTRUCTION ACTIVITIES SHALL BE COVERED WITH HAY OR OVERSEEDED AND PERIODICALLY WATERED SUFFICIENTLY TO STABILIZE THE TEMPORARY GROUND COVER (SEE TEMPORARY STABILIZATION PRACTICES FOR DETAILS).
C. AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS SHOULD INCLUDE ERECTION OF DUST CONTROL FENCES, A 6-FT GEOTEXTILE FILTER FABRIC SHOULD BE HANGING AGAINST THE EXISTING CHAIN LINK FENCE AND GATE.
2. ALL DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

**PROJECT DESCRIPTION:**

- 1. PROJECT LOCATION: MONAD TERRACE, MIAMI BEACH, FLORIDA 33139
2. PROJECT LIMITS: TOTAL PROJECT AREA IS APPROXIMATELY 1.60 ACRES. THE TOTAL DISTURBED AREA IS APPROXIMATELY 1.60 ACRES.
3. CONSTRUCTION ACTIVITY: CONSTRUCTION OF PROPOSED BUILDING, ROADWAY IMPROVEMENTS, SIDEWALKS, LANDSCAPING, UTILITIES, AND DRAINAGE SYSTEM.
4. MAJOR SOIL DISTURBING ACTIVITIES: CLEARING AND GRUBBING, INSTALLATION OF DRAINAGE SYSTEM, INSTALLATION OF UTILITIES, CONSTRUCTION OF BUILDING FOUNDATION.
5. DETAHERING ACTIVITIES: DETAHERING IS ANTICIPATED FOR THIS SITE. THE CONTRACTOR IS RESPONSIBLE TO APPLY AND OBTAIN ALL APPLICABLE DETAHERING PERMITS.
6. SOIL CHARACTERISTICS: THE SOIL TYPE WITHIN THE PROJECT'S LIMIT OF DISTURBANCE IS CLASSIFIED AS URBAN SOIL AND IS NOT HIGHLY EROSION PRONE.
7. RUNOFF COEFFICIENTS: EXISTING: 0.90 DURING CONSTRUCTION: 0.80 PROPOSED: 0.90
8. TURBIDITY CURTAIN(S) TO CONTAIN THE NAME OF CONTRACTOR IN "4 INCHES HIGH CONTRASTING LETTERS".

**SEQUENCE OF CONSTRUCTION:**

- SEQUENCING OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS
1. PRIOR TO COMMENCEMENT OF ANY EARTH DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING, INSTALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE EROSION CONTROL PLAN, STANDARD DETAILS, NPDES REQUIREMENTS, AND THE CITY OF MIAMI BEACH PUBLIC WORKS ENGINEERING AND CONSTRUCTION STANDARDS.
2. BEGIN CLEARING AND GRUBBING.
3. INSTALL DRAINAGE SYSTEM, INCLUDING: CONCRETE INLETS, DRAN BASINS, DRAINAGE PIPES, DRAINAGE WELLS, AND EXFILTRATION TRENCHES.
4. INSTALL INLET PROTECTION AND ROCK BAGS ON ALL INLETS AND MANHOLES IN THE LOCATIONS SHOWN ON THE PLAN. THE STANDARD DETAILS PROVIDED, AND PER THE CITY OF MIAMI BEACH PUBLIC WORKS ENGINEERING AND CONSTRUCTION STANDARDS.
5. PREPARE SUBBASE MATERIAL.
6. BEGIN ASPHALT AND CONCRETE INSTALLATION.
7. AFTER COMPLETION OF SITE WORK, BEGIN SITE STABILIZATION AND PERMANENT SEEDING.
8. ONCE SITE STABILIZATION IS COMPLETE, CONTRACTOR TO CLEAN ALL CONSTRUCTION DEBRIS FROM CONSTRUCTION SITE.
9. ONCE A UNIFORM 70% VEGETATIVE COVER OF PERENNIAL VEGETATION IS ACHIEVED ACROSS THE ENTIRE DISTURBED AREA THE REMOVAL OF TEMPORARY EROSION CONTROL MEASURES MAY BEGAN.

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS.

ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON BASED NVD 1929.

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**EROSION CONTROL DETAILS AND NOTES**

1920 ALTON ROAD PREPARED FOR ALTON OFFICE HOLDINGS II, LLC. FLORIDA CITY OF MIAMI BEACH

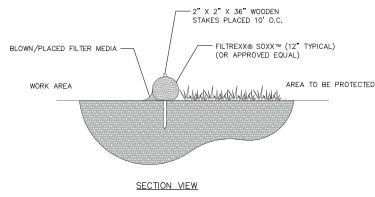
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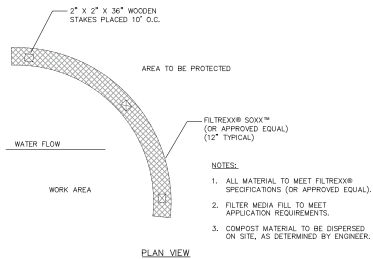
Kimley-Horn & Associates, Inc. 8000 PETERS ROAD, SUITE 2000, PLANTATION, FL 33324 PHONE: 954-345-5000 FAX: 954-345-5001 WWW.KIMLEY-HORN.COM REGISTRY # 12010

Professional Engineer License No. 12010 CARLOS H. ELDRAN FLORIDA LICENSE NUMBER 80000 EXPIRES 8/22/2022

Table with columns: KHA PROJECT #, DATE, SCALE, AS SHOWN, DESIGNED BY, DRAWN BY, CHECKED BY



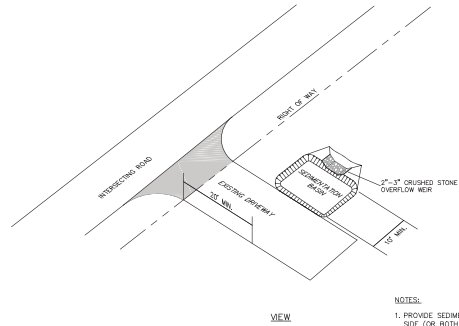
SECTION VIEW



PLAN VIEW

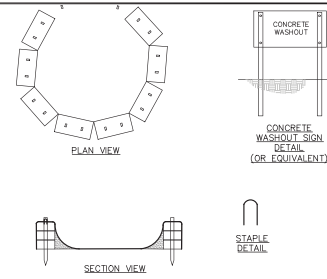
**1 FILTREX® SEDIMENT CONTROL (OR APPROVED EQUAL)**  
N.T.S.

- NOTES:
1. ALL MATERIAL TO MEET FILTREX® SPECIFICATIONS (OR APPROVED EQUAL).
  2. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
  3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.



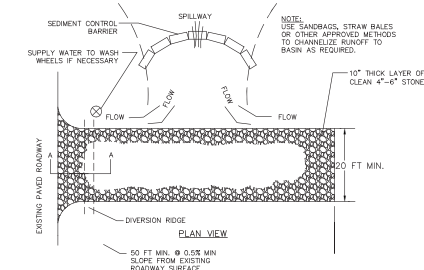
- NOTES:
1. PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE (OR BOTH SIDES) AS REQUIRED.
  2. PLACEMENT OF SEDIMENT TRAP SHALL BE AT LEAST THE MINIMUM DISTANCE FROM THE RIGHT OF WAY AS REQUIRED BY LOCAL JURISDICTION.

**2 TRUCK WASHDOWN AREA**  
N.T.S.



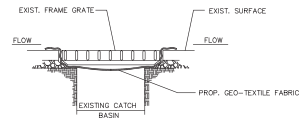
- NOTES:
1. ACTUAL LAYOUT TO BE DETERMINED IN FIELD.
  2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
  3. WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHOULD BE REMOVED AND DISPOSED OF AT AN APPROVED FACILITY.
  4. PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
  5. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEDOM OF 4 INCHES.
  6. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75 PERCENT FULL.
  7. HOLES, DEPRESSIONS, OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITY SHALL BE BACKFILLED AND REPAIRED.

**3 TEMPORARY CONCRETE WASHOUT FACILITY**  
N.T.S.



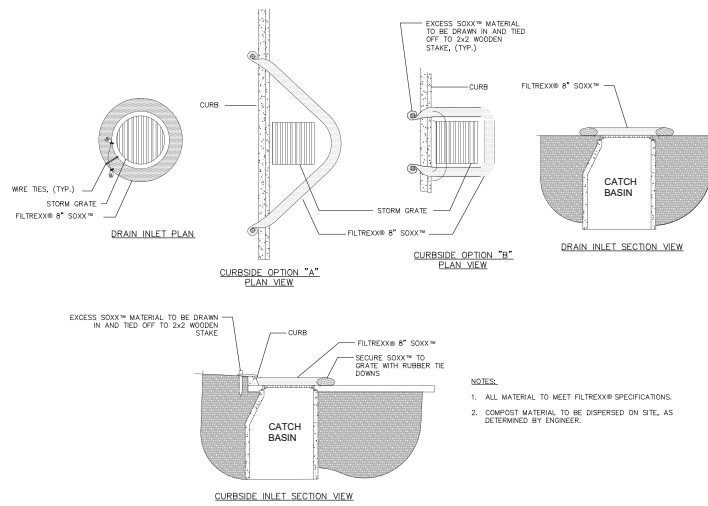
- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
  2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
  3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

**6 STABILIZED CONSTRUCTION ENTRANCE**  
N.T.S.



- NOTES:
1. CONTRACTOR SHALL PERFORM DAILY INSPECTIONS OF GEO-TEXTILE FABRIC BARRIER AND AS NECESSARY REPLACE OR REPAIR AS REQUIRED, SPECIFICALLY AFTER STORM EVENTS AND LARGE RAINFALL EVENTS.
  2. SEDIMENTATION AND DEBRIS THAT ARE REMOVED FROM BARRIERS SHALL BE LEGALLY DISPOSED OF AT AN AUTHORIZED OFF-SITE DISPOSAL FACILITY.

**4 DROP INLET SEDIMENT BARRIER**  
N.T.S.



- NOTES:
1. ALL MATERIAL TO MEET FILTREX® SPECIFICATIONS.
  2. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

**5 FILTREX® INLET PROTECTION (OR APPROVED EQUAL)**  
N.T.S.

NO.	REVISIONS	DATE	BY

**Kimley»Horn**  
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 8201 PETERS ROAD, SUITE 2000, PLANTATION, FL 33324  
 (954) 385-4000  
 WWW.KIMLEY-HORN.COM REGISTRATION 35519

KHA PROJECT: 17-512-001  
 DATE: SEPT 2022  
 SCALE: AS SHOWN  
 DESIGNED BY: JAC  
 DRAWN BY: JAC  
 CHECKED BY: CF

LICENSED PROFESSIONAL:  
 CARLOS H. FLORES  
 FLORIDA LICENSE NUMBER: 50000  
 DATE: 9/22/2022

**EROSION CONTROL  
DETAILS AND NOTES**

1920 ALTON ROAD  
 PREPARED FOR:  
 ALTON OFFICE  
 HOLDINGS II, LLC.  
 CITY OF MIAMI BEACH, FLORIDA

SHEET NUMBER  
**C203**

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS.

ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON BASED NGVD 1929.

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