

CITY OF MIAMI BEACH

MAYOR: DAN GELBER

COMMISSIONERS: KRISTEN ROSEN GONZALEZ  
MARK SAMUELIAN

ALEX J. FERNANDEZ  
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RICKY ARRIOLA  
DAVID RICHARDSON

CITY MANAGER: ALINA T. HUDAK

CITY ATTORNEY: RAFAEL A. PAZ

DEPUTY CITY MANAGER: ERIC T. CARPENTER, P.E.

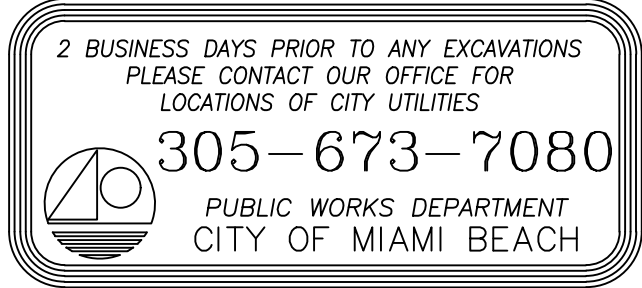
ASSISTANT CITY MANAGER: LESTER SOLA

DIRECTOR OF C.I.P. OFFICE: DAVID MARTINEZ, P.E.



MIAMI BEACH

CITY OF MIAMI BEACH, FLORIDA  
CHASE AVENUE AND 34TH STREET PATH  
FINAL SUBMITTAL  
DRB22-0801



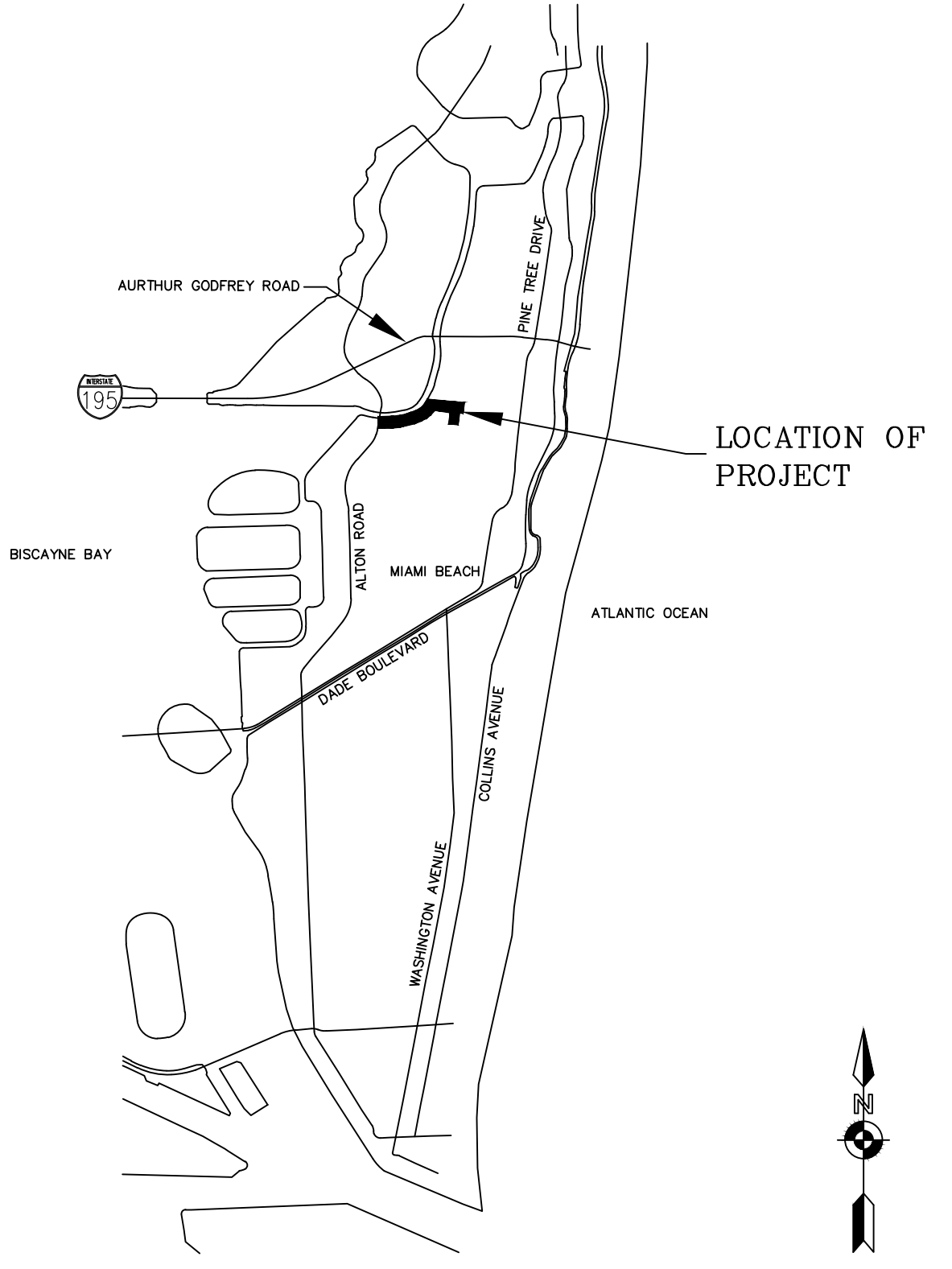
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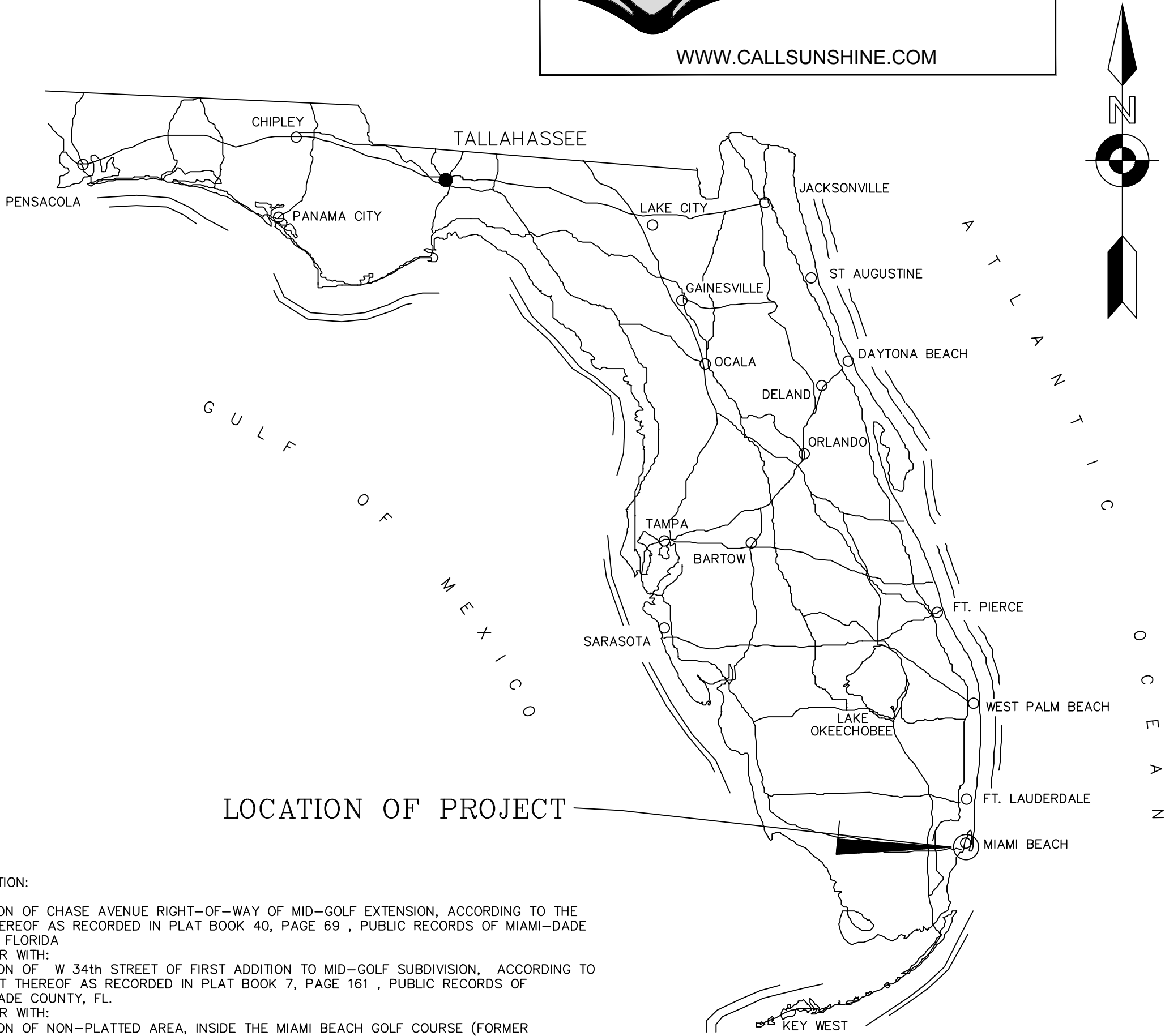
VERTICAL AND HORIZONTAL ACCURACY STATEMENT

THE ACCURACY OBTAINED FOR ALL HORIZONTAL CONTROL MEASUREMENTS AND OFFICE CALCULATIONS OF CLOSED GEOMETRIC FIGURES, MEETS OR EXCEEDS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS AS CONTAINED IN CHAPTER 5J-17.051, FAC THE HORIZONTAL ACCURACY OBTAINED ON THIS TOPOGRAPHIC SURVEY WAS FOUND TO EXCEED 1 FOOT IN 7,500 FEET, A COMMONLY VALUE ACCEPTED IN THE CONSTRUCTION AND SURVEYING INDUSTRY FOR SUBURBAN AREAS.

THE ELEVATIONS AS SHOWN ARE BASED ON A CLOSED LEVEL BETWEEN THE TWO ELEVATION BENCHMARKS NOTED HEREON, AND MEETS OR EXCEEDS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS AS CONTAINED IN CHAPTER 5J-17.051, FAC. THE VERTICAL ACCURACY OBTAINED ON THIS TOPOGRAPHIC SURVEY EXCEEDS THE CALCULATED VALUE OF A CLOSURE IN FEET OF PLUS OR MINUS 0.05 FEET TIMES THE SQUARE ROOT OF THE DISTANCE IN MILES A COMMONLY VALUE ACCEPTED IN THE CONSTRUCTION AND SURVEYING INDUSTRY.

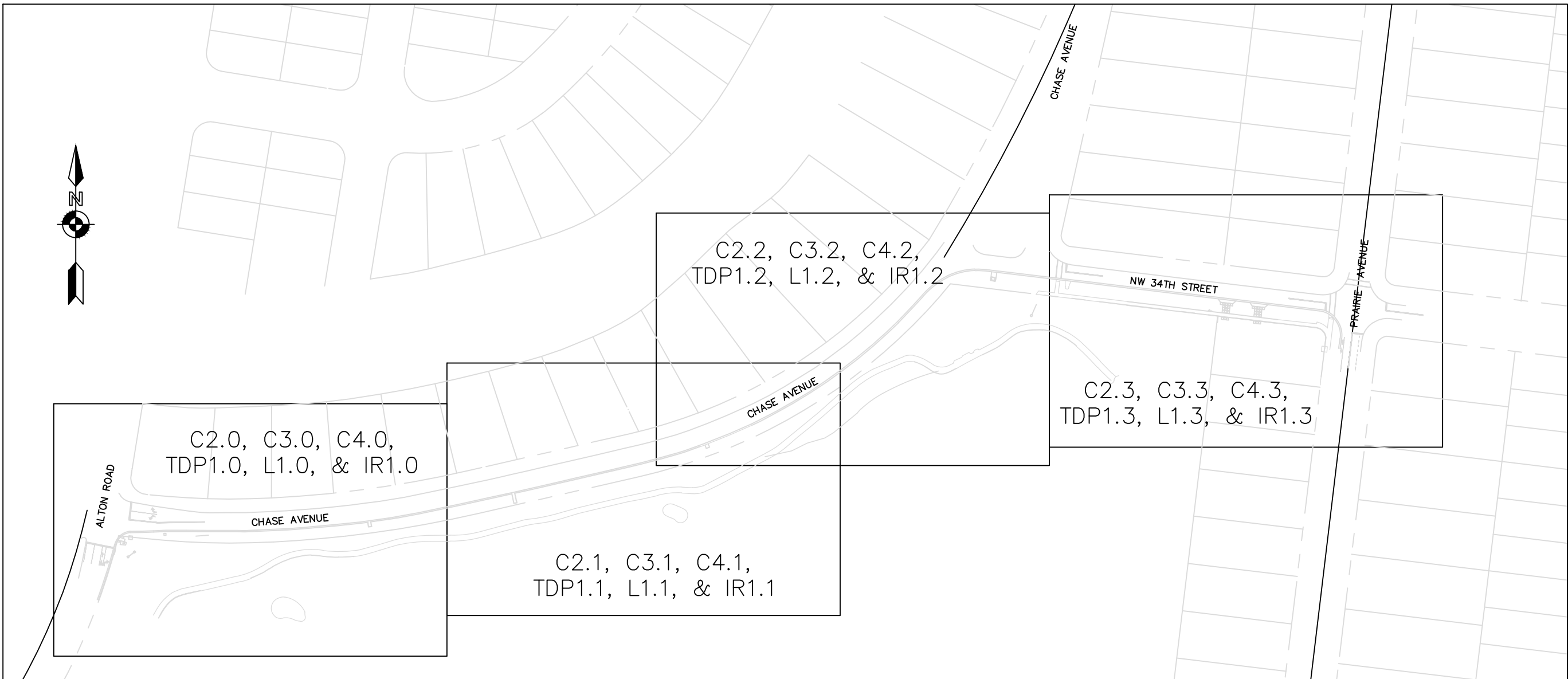


LOCATION MAP  
NOT TO SCALE



DESCRIPTION:

A PORTION OF CHASE AVENUE RIGHT-OF-WAY OF MID-GOLF EXTENSION, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 40, PAGE 69 , PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA TOGETHER WITH:  
A PORTION OF W 34th STREET OF FIRST ADDITION TO MID-GOLF SUBDIVISION, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 7, PAGE 161 , PUBLIC RECORDS OF MIAMI-DADE COUNTY, FL. TOGETHER WITH:  
A PORTION OF NON-PLATTED AREA, INSIDE THE MIAMI BEACH GOLF COURSE (FORMER BAYSHORE GOLF COURSE) ADJACENT TO CHASE AVENUE AND W 34th STREET.

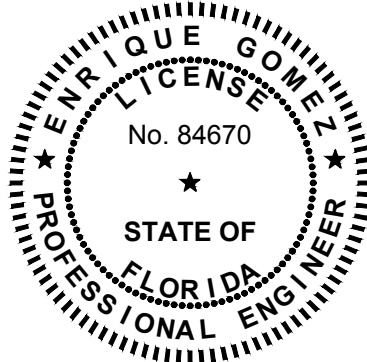
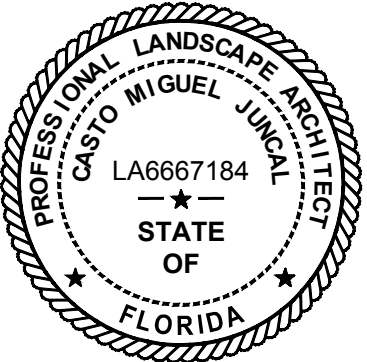


KEY MAP

MIAMI-DADE COUNTY PUBLIC WORKS DEPT.		BENCHMARK USED
BENCHMARK	DESCRIPTION	ELEVATION
D-131	PK NAIL AND ALUMINUM WASHER ON CONCRETE DECK OF CATCH BASIN, 56 FEET NORTH OF CENTERLINE OF CHASE AVENUE, 3 FEET WEST OF WEST EDGE OF PAVEMENT ON ALTON ROAD, AND 17 FEET NORTHWEST OF A STORM SEWER MANHOLE	7.18'
ELEVATIONS AS SHOWN HEREON REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD1988)		

FINAL SUBMITTAL DRB 22-0801  
03/4/2022

ML PROJECT No. 21-00045



APPROVED : CASTO MIGUEL JUNCAL, PLA  
FLA. REGISTRATION NO. LA6667184 DATE : 3/4/2022

APPROVED : ENRIQUE GOMEZ, P.E.  
FLA. REGISTRATION NO. 84670 DATE : 3/4/2022



GENERAL NOTES

GENERAL NOTES ON THE PROJECT PLANS AND DRAWINGS ARE SOLELY TO AID AND ASSIST THE CONTRACTOR WITH THE FIELD OPERATIONS FOR THE PROJECT. SAID GENERAL NOTES MAY NOT FULLY DESCRIBE ALL OF THE REQUIREMENTS FOR AN ITEM. THEREFORE, THE CONTRACTOR SHALL READ AND VERIFY THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO THE PLANS, SPECIFICATIONS, GENERAL TERMS AND CONDITIONS, AND THE SUPPLEMENTAL TERMS AND CONDITIONS, TO FULLY UNDERSTAND AND COMPLY WITH ALL THE REQUIREMENTS THEREIN. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES AND TOPOGRAPHY HAVE BEEN PREPARED FROM INFORMATION AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT GUARANTEED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ANY EXISTING UTILITIES AND TOPOGRAPHY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL UTILITIES, BY ELECTRONIC METHODS AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

1. APPLICABLE CODES

- 1.1. GENERAL  
ALL CONSTRUCTION, MATERIALS AND TESTING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF CITY OF MIAMI BEACH, MIAMI-DADE COUNTY DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER), AND ALL OTHER LOCAL AND NATIONAL CODES WHERE APPLICABLE. WHEN ANY OF THE GOVERNING REGULATORY AGENCY'S STANDARDS ARE IN CONFLICT, THE MORE STRINGENT OF THE TWO SHALL APPLY.
- 1.2. CONSTRUCTION SAFETY  
ALL CONSTRUCTION SHALL BE DONE IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 1.3. TRENCH SAFETY ACT  
CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.
- 1.4. SURVEY DATA  
ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS UNLESS OTHERWISE NOTED, ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88').

2. PRECONSTRUCTION RESPONSIBILITIES AND NOTICES

- 2.1. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL AT 811 CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
- 2.2. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.
- 2.3. EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT SHOWN.
- 2.4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH HE FAILS TO REQUEST LOCATIONS FROM THE UTILITY OWNER. HE IS RESPONSIBLE AS WELL FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED.
- 2.5. CONTRACTOR SHALL OBTAIN AND KEEP COPIES OF ALL REQUIRED PERMITS ONSITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR WORK PERFORMED WITHOUT PERMITS.
- 2.6. ADDITIONAL COORDINATION FOR UTILITY CONFLICTS, R.F.I.'S AND CONTRACT EXTENDED TIME BEYOND THE ORIGINAL SCOPE OF CONSTRUCTION DURATION (AFTER THE CONTRACTOR CONSTRUCTION NOTICE TO PROCEED) AND EXCLUDING DOCUMENTED WORKAGE STOP ORDERS ISSUED BY CLIENT TO CONTRACTOR AND CONSULTANT WILL BE BILLED TO THE CONTRACTOR VIA THE OWNER AT \$135 PER HOUR.
- 2.7. CONTRACTOR IS RESPONSIBLE FOR PRODUCING AND DELIVERING TO THE CITY OF MIAMI BEACH A PRE-CONSTRUCTION VIDEO DOCUMENTING EXISTING CONDITIONS WITHIN THE PROJECT AREA.
- 2.8. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A FLORIDA NPDES PERMIT.
- 2.9. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS FROM LOCAL, MUNICIPAL, COUNTY, STATE AND FEDERAL AUTHORITIES.

3. INSPECTIONS

- 3.1. THE CONTRACTOR SHALL NOTIFY CITY OF MIAMI BEACH, THE ENGINEER OF RECORD AND MIAMI-DADE COUNTY, IF APPLICABLE, AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS:
- 3.1.1. STORM DRAINAGE
- 3.1.2. SANITARY SEWER
- 3.1.3. WATER SYSTEM
- 3.1.4. SUBGRADE - SUBMIT AND HAVE APPROVED DENSITIES PRIOR TO PLACEMENT OF ROCK
- 3.1.5. LIMEROCK BASE - SUBMIT AND HAVE APPROVED DENSITIES AND AS-BUILTS PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- 3.1.6. ASPHALTIC CONCRETE
- 3.1.7. FINAL INSPECTION
- 3.2. ALL INSPECTIONS SHALL BE MADE BY CITY OF MIAMI BEACH AND/OR HIS DESIGNEE. THE ENGINEER OF RECORD WILL PROVIDE GENERAL CONSTRUCTION OBSERVATION SERVICES.

4. SHOP DRAWINGS

- 4.1. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY CITY OF MIAMI BEACH AND ENGINEER OF RECORD FOR SANITARY MANHOLES, CATCH BASINS, FIRE HYDRANTS, VALVES AND OTHER MECHANICAL/ELECTRICAL EQUIPMENT WITH ASSOCIATED STRUCTURES, INCLUDING ALL DATA, CATALOGUE LITERATURE SHALL BE SUBMITTED FOR WATER AND SEWER PIPES, FITTINGS, AND APPURTENANCES.
- 4.2. PRIOR TO SUBMITTING SHOP DRAWINGS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW AND APPROVE THE DRAWINGS, AND SHALL NOTE IN RED ANY DEVIATIONS FROM THE ENGINEERS' PLANS OR SPECIFICATIONS.
- 4.3. INDIVIDUAL SHOP DRAWINGS FOR ALL PRECAST STRUCTURES ARE REQUIRED. CATALOGUE LITERATURE WILL NOT BE ACCEPTED FOR PRECAST STRUCTURES.

5. TEMPORARY FACILITIES

- 5.1. TEMPORARY UTILITIES  
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY TO HIS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.
- 5.2. TRAFFIC REGULATION
- 5.2.1. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF MUTCD.
- 5.2.2. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED, BARRICADED AND SECURED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
- 5.2.3. NO TRENCHES OR HOLES NEAR WALKWAYS OR IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION OF THE ENGINEER, CITY OF MIAMI BEACH AND LOCAL OR MIAMI-DADE COUNTY AUTHORITY.
- 5.2.4. ALL CONSTRUCTION WITHIN FDOT RIGHT-OF-WAYS MUST CONFORM WITH FDOT SPECIFICATIONS, STANDARDS AND PERMIT REQUIREMENTS. NO WORK SHALL COMMENCE WITHIN FDOT RIGHT-OF-WAYS WITHOUT AN FDOT PERMIT. FULL LANE WIDTH RESTORATION TO MATCH EXISTING PAVEMENT SECTION IS REQUIRED IN ACCORDANCE WITH STANDARDS

- 5.2.5. FOR PROPOSED WORK WITHIN FDOT RIGHT-OF-WAYS.  
CONTRACTOR SHALL PREPARE AND SUBMIT MAINTENANCE OF TRAFFIC PLAN (MOT) WHICH REQUIRED BY FEDERAL, STATE, COUNTY OR LOCAL AGENCIES EXERCISING JURISDICTION. CONTRACTOR SHALL OBTAIN ALL REQUIRED APPROVALS AND PERMITS ASSOCIATED WITH THE MOT'S. ALL MOT'S ARE TO BE ATSSA CERTIFIED.

6. PROJECT CLOSEOUT

- 6.1. CLEANING OUT
- 6.1.1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEP BROOM CLEAN AS DIRECTED BY THE ENGINEER.
- 6.1.2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER OR CITY OF MIAMI BEACH, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT, EMPLOYEES OR THOSE OF HIS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THIS END, THE CONTRACTOR SHALL DO AS REQUIRED ALL NECESSARY HIGHWAY OR DRIVEWAY, WALK, IRRIGATION AND LANDSCAPING WORK WITHOUT ADDITIONAL TIME AND/OR MONETARY COMPENSATION. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
- 6.1.3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR 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, SATISFACTORILY DISPOSED OF DURING PROGRESS OF WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION AS DIRECTED BY THE ENGINEER.
- 6.1.4. CONTRACTOR SHALL DISPOSE OF ALL SITE DEMOLITION IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
- 6.2. PROJECT RECORD DOCUMENTS
- 6.2.1. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED.
- 6.2.2. PRIOR TO THE PLACEMENT OF ANY ASPHALT OR CONCRETE PAVEMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER "AS-BUILT" PLANS SHOWING LIMEROCK BASE GRADES, AND ALL DRAINAGE, WATER AND SEWER IMPROVEMENTS. PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER AND THE APPROVING AGENCY HAS REVIEWED THE "AS-BUILTS".
- 6.2.3. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR SUBGRADE SHALL BE PROVIDED TO THE ENGINEER AND CITY OF MIAMI BEACH PRIOR TO PLACING LIMEROCK BASE MATERIAL.
- 6.2.4. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR LIMEROCK SHALL BE PROVIDED TO THE ENGINEER AND CITY OF MIAMI BEACH PRIOR TO PLACING ASPHALT.
- 6.2.5. ALL "AS-BUILT" INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO THE SATISFACTION OF THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED. LAKE AS-BUILTS WILL BE CROSS SECTIONED SHOWING THE DESIGNED SECTION AS DASHED, AS-BUILT SECTION AS SOLID, AND HAVE THE TOP OF BANK REFERENCE TO THE LAKE MAINTENANCE EASEMENT. SPACING BETWEEN EACH CROSS-SECTION SHALL BE SUCH AS TO PROVIDE ENOUGH DATA TO DETERMINE IF THE LAKE WAS CONSTRUCTED AS DESIGNED.
- 6.2.7. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD TWO COMPLETE SETS OF "AS-BUILT" CONSTRUCTION DRAWINGS. THESE DRAWINGS SHALL BE MARKED TO SHOW "RECORD DRAWING" OR "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR VIA THE ENGINEER. FINAL AS-BUILT INFORMATION SHALL BE SUBMITTED ON AN AUTOCAD & PDF FORMAT AS DIRECTED BY THE ENGINEER.
- 6.2.8. ALL AS-BUILT PLANS MUST BE IN COMPLIANCE WITH THE STANDARDS OF PRACTICE SET BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS AND THE CITY OF MIAMI BEACH PUBLIC WORKS SPECIFICATIONS.
- 6.2.9. ALL AS-BUILT PLANS MUST BE REVIEWED/APPROVED AND CERTIFY TO THE CITY OF MIAMI BEACH BY THE ENGINEER AND/OR ARCHITECT OF RECORD AS APPLICABLE, IN ADDITION TO THE FLORIDA LAND SURVEYOR CERTIFICATION.

7. DEWATERING PERMIT

- 7.1. DEWATERING PERMIT IS NOT AVAILABLE FOR THE SITE DEVELOPMENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A DEWATERING PERMIT AS NEEDED.

8. UNSUITABLE MATERIAL REMOVAL AND DISPOSAL

- 8.1. CONTRACTOR IS RESPONSIBLE FOR DETERMINATION/INVESTIGATION OF SUBSURFACE CONDITIONS. ALL UNSUITABLE MATERIAL SURFACE AND SUBSURFACE WITHIN AREAS OF CONSTRUCTION IS TO BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. UNSUITABLE MATERIAL INCLUDES BUT IS NOT LIMITED TO: DEBRIS, ORGANICS/MUCK, AND PLASTIC MATERIAL. ALL UNSUITABLE MATERIAL REMOVED SHALL BE REPLACED WITH SUITABLE MATERIAL.

9. GEOTECHNICAL REQUIREMENTS

- 9.1. CONTRACTOR IS RESPONSIBLE FOR DETERMINATION/INVESTIGATION OF SUBSURFACE CONDITIONS.

10. DEMOLITION NOTES

- 10.1. PROPER SAFETY PRECAUTIONS SHALL BE TAKEN TO SEPARATE AREA OF DEMOLITION FROM SURROUNDING PROPERTY.
- 10.2. ALL ASPHALT AND CURB SHALL BE SAWCUT AT THE LIMITS OF DEMOLITION PRIOR TO REMOVAL.
- 10.3. ALL DEMOLITION TO BE PERFORMED IN A MANNER TO ELIMINATE HAZARDS TO PERSONS AND PROPERTY. MINIMIZE INTERFERENCE WITH USE OF ADJACENT AREAS, PROVIDE NON-DISRUPTION OF SERVICES PROVIDED BY EXISTING UTILITIES TO ADJACENT AREAS, AND TO PROVIDE FREE PASSAGE TO AND FROM ADJACENT AREAS OR STRUCTURES.
- 10.4. PRIOR TO AND DURING DEMOLITION, CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING ITEMS TO REMAIN.
- 10.5. DEBRIS RESULTING FROM DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF ON A DAILY BASIS. DISPOSAL OF DEBRIS SHALL BE IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL PERMITS, RULES AND/OR REGULATIONS.
- 10.6. HAZARDOUS MATERIALS, IF PRESENT, SHALL BE DEALT WITH IN A MANNER CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATIONS.
- 10.7. UPON COMPLETION OF DEMOLITION, SITE IS TO BE LEFT IN CLEAN CONDITION FREE OF DEBRIS.
- 10.8. CONTRACTOR TO PROVIDE PROPER SEDIMENT CONTROL AND PROTECTION OF STORM WATER STRUCTURES, BOTH WITHIN AND OUTSIDE THE LIMITS OF DEMOLITION AND P/L, TO PREVENT DEPOSIT OF SEDIMENTS CONVEYED THROUGH RUNOFF. CONTRACTOR TO CLEAN AND REMOVE SEDIMENTS FROM ALL STRUCTURES AS NEEDED.
- 10.9. EXISTING UTILITIES INFORMATION IS PROVIDED FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL UTILITIES SHOWN OR NOT SHOWN PRIOR TO DEMOLITION. CONTRACTOR SHALL HAVE ALL UTILITIES PROPERLY LOCATED PRIOR TO COMMENCEMENT OF DEMOLITION.
- 10.10. BRICK AND GROUT ANY REMAINING HOLE OPENINGS IN EXISTING STRUCTURES AFTER REMOVAL OF ANY PIPE DESIGNATED FOR REMOVAL.

11. EARTHWORK

- 11.3. GENERAL
- 11.3.1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REQUEST A COPY OF THE GEOTECHNICAL ENGINEERING SOILS REPORT AND ADHERE TO THE CONDITIONS AND RECOMMENDATIONS STATED WITHIN.
- 11.3.2. NONE OF THE EXISTING MATERIAL IS TO BE INCORPORATED IN THE LIMEROCK BASE.
- 11.3.3. ALL SUB-GRADE UNDER PAVED AREAS SHALL HAVE A MINIMUM LBR VALUE OF 40 AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.

- 11.3.4. ALL FILL MATERIAL IN AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
- 11.3.5. A 2" BLANKET OF TOP SOIL SHALL BE PLACED OVER ALL AREAS TO BE SODDED.
- 11.4. ON-SITE
- 11.4.1. ALL ORGANIC AND OTHER UNSUITABLE MATERIAL UNDER THOSE AREAS TO BE PAVED SHALL BE REMOVED TO A DEPTH OF THREE (3) FEET BELOW FINISHED GRADE AND FOR THREE (3) FEET BEYOND THE PERIMETER OF THE PAVING AND DISPOSED OF BY CONTRACTOR AS PART OF WORK.
- 11.4.2. SUITABLE BACKFILL SHALL BE MINIMUM LBR 40 MATERIAL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 THREE (3) FEET BEYOND PERIMETER OF THE PAVING.
- 11.4.3. ALL UNSUITABLE MATERIAL UNDER EXFILTRATION TRENCH LOCATIONS SHALL BE REMOVED AND DISPOSED OF BY CONTRACTOR AS PART OF THIS WORK.

12. STORM DRAINAGE

- 12.1. CONTRACTOR MAY UTILIZE ONE OF THE FOLLOWING MATERIALS (AS DIRECTED AND APPROVED BY APPROVING AUTHORITY) ON A SIZE FOR SIZE BASIS:
- 12.1.1. ALUMINUM
- 12.1.1.1. PIPE SHALL BE ALUMINUM, MANUFACTURED IN CONFORMANCE WITH ASTM B-209. METAL PIPE SHALL NOT BE ALLOWED WITHIN THE ROAD RIGHT-OF-WAY.
- 12.1.1.2. PIPE SHALL BE SPIRAL RIB DRAINAGE PIPE WITH 3/4" x 3/4" RIBS, APPROXIMATELY 7-1/2" ON CENTER. GAUGE THICKNESS SHALL MEET FDOT STANDARD 945-1.
- 12.1.1.3. PIPE COUPLING BANDS SHALL BE 12" WIDE STANDARD SPLIT BANDS OF THE SAME ALLOY AS THE PIPE, AND MAY BE ONE GAUGE LIGHTER THAN THE PIPE.
- 12.1.1.4. POLYURETHANE OR OTHER SEALANT SHALL BE USED WITH COUPLING BANDS ON ALL NON-PERFORATED PIPE.
- 12.1.1.5. CONTECH ULTRA-FLO
- 12.1.2. REINFORCED CONCRETE (RCP)
- 12.1.2.1. REQUIREMENTS OF SECTION 449 OF THE FDOT STANDARD SPECIFICATIONS. ALL REINFORCED CONCRETE PIPE SHALL BE CLASS III WATER TIGHT AND CONFORM TO THE STANDARD SPECIFICATIONS
- 12.1.2.2. JOINTS IN RCP SHALL EMPLOY O-RING TYPE GASKETS AS SPECIFIED IN SECTION 942-1 OF FDOT STANDARD SPECIFICATIONS AND ASTM C443-98.
- 12.1.2.3. PRECAST CONCRETE MANHOLES AND CATCH BASINS SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATION C-478 AND 847.
- 12.1.2.4. CONCRETE FOR PRECAST MANHOLES AND CATCH BASINS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- 12.1.2.5. REINFORCING STEEL FOR MANHOLES AND CATCH BASINS SHALL CONFORM TO ASTM SPECIFICATION A-615 AND A-305, LATEST REVISION.
- 12.1.2.6. ALL RE-BAR SPLICES IN CONCRETE STRUCTURES SHALL HAVE A MINIMUM LAP OF 24 BAR DIAMETERS.
- 12.1.2.7. ALL JOINTS IN CONCRETE STRUCTURES SHALL BE FINISHED WATERTIGHT.
- 12.1.2.8. ALL SPACES AROUND PIPING ENTERING OR LEAVING MANHOLES AND CATCH BASINS SHALL BE COMPLETELY FILLED WITH 2:1 CEMENT MORTAR.
- 12.1.2.9. ALL CONCRETE PIPE SHALL HAVE MODIFIED TONGUE AND GROOVE JOINT AND HAVE RUBBER GASKETS, UNLESS OTHERWISE SPECIFIED.
- 12.1.3. HIGH DENSITY POLYETHYLENE PIPE (HDPE)
- 12.1.3.1. HIGH DENSITY POLYETHYLENE PIPE FOR STORM SEWERS SHALL CONFORM TO FDOT 948-2.
- 12.1.4. POLYVINYL-CHLORIDE PIPE (PVC)
- 12.1.4.1. POLYVINYL-CHLORIDE PIPE FOR STORM SEWERS SHALL CONFORM TO FDOT 948-1.
- 12.1.4.2. CONTECH A2000 PVC
- 12.2. CONCRETE PIPE FOR STORM DRAINAGE SYSTEMS SHALL CONFORM TO THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, CURRENT EDITION, SECTION 430.
- 12.3. BEDDING AND INITIAL BACKFILL OVER DRAINAGE PIPE SHALL BE SAND WITH NO ROCK LARGER THAN 3/4" & 2" DIAMETER, RESPECTIVELY.
- 12.4. BACKFILL MATERIAL UNDER PAVED AREAS SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
- 12.5. BACKFILL MATERIAL UNDER AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 (INCLUDES SWALE AREAS).
- 12.6. CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY SILT SCREENERS IN CATCH BASINS AND AT LOCATIONS AS DIRECTED BY THE ENGINEER UNTIL FINAL ACCEPTANCE OCCURS.

13. PAVING

- 13.17. GENERAL
- 13.17.1. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE LIMEROCK BASE AND PRIOR TO THE PLACEMENT OF THE PAVEMENT.
- 13.17.2. ALL STREET CORNER PAVEMENT RADII SHALL BE 25 FEET UNLESS OTHERWISE NOTED ON THE PLANS.
- 13.17.3. TWO ROWS OF BAHIA SOD SHALL BE LAID ALONG CURB WITHIN TWO WEEKS OR AS DIRECTED BY THE ENGINEER OF INSTALLING FIRST LIFT OF ASPHALT.
- 13.18. MATERIALS
- 13.18.1. LIMEROCK BASE MATERIAL SHALL HAVE A MINIMUM OF 70% CARBONATES (CALCIUM AND MAGNESIUM) WITH A MINIMUM LBR OF 100.
- 13.18.2. SUBGRADE MATERIAL SHALL HAVE A MINIMUM LBR OF 40 AND INSTALLED AT 98% AASHTO T-180 SPECS. (INCLUDES STABILIZED ROADWAY SHOULDERS)
- 13.18.3. PRIME COAT AND TACK COAT SHALL MEET FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS.
- 13.18.4. SURFACE COURSE SHALL BE EQUAL TO FDOT TYPE S-3 (SP9.5 EQUIVALENT) ASPHALT CONCRETE. CONTRACTOR TO SUBMIT FDOT APPROVED ASPHALT MIX SHOP DRAWINGS FOR ENGINEER'S REVIEW/APPROVAL PRIOR TO PLACEMENT OF ANY ASPHALT.
- 13.19. INSTALLATION
- 13.19.1. LIMEROCK BASE MATERIAL SHALL BE 8" THICK OR AS SHOWN AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
- 13.19.2. LIMEROCK BASE MATERIAL SHALL BE PLACED IN TWO OR MORE EQUAL LIFTS.
- 13.19.3. ASPHALTIC CONCRETE SHALL BE AS INDICATED ON PLANS, AND PLACED IN TWO (2) LIFTS.
- 13.19.4. PRIME COAT SHALL BE PLACED ON ALL LIMEROCK BASES IN ACCORDANCE WITH FDOT STANDARDS.
- 13.19.5. TACK COAT SHALL BE PLACED AS REQUIRED IN ACCORDANCE WITH FDOT STANDARDS.
- 13.20. TESTING
- 13.20.1. ALL SUBGRADE, LIMEROCK AND ASPHALT TESTS REQUIRED SHALL BE TAKEN AT THE DIRECTION OF THE ENGINEER AND/OR CITY OF MIAMI BEACH.
- 13.21. PAVERS
- 13.21.1. ALL PAVER MATERIAL, INSTALLATION AND MAINTENANCE SPECIFICATIONS SHALL MEET THE REQUIREMENTS OF CITY OF MIAMI BEACH.

14. SIGNING AND MARKING

- 14.1. PAVEMENT MARKINGS, REFLECTIVE PAVEMENT MARKERS AND GEOMETRICS SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS (MUTCD) AND COUNTY AND/OR CITY OF MIAMI BEACH TRAFFIC ENGINEERING DIVISION STANDARDS.
- 14.2. ALL PAVEMENT MARKINGS WITHIN THE PUBLIC RIGHT-OF-WAYS SHALL BE HOT APPLIED REFLECTORIZED THERMOPLASTIC IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 711.
- 14.3. REFLECTIVE PAVEMENT MARKERS SHALL BE CLASS A MARKERS MANUFACTURED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 706 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PROCEDURES.
- 14.4. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH PROPOSED DESIGN SHALL BE REMOVED. METHODS OF REMOVAL TO BE APPROVED BY COUNTY AND/OR CITY OF MIAMI BEACH TRAFFIC ENGINEERING DEPARTMENT.
- 14.5. ALL SIGNS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 14.6. ALL RT-1 SIGNS SHALL HAVE HIGH INTENSITY SHEETING.

- 14.7. ALL TEMPORARY PAVEMENT MARKINGS WITHIN PUBLIC RIGHT-OF-WAYS SHALL BE PAINT IN ACCORDANCE WITH COUNTY AND/OR CITY OF MIAMI BEACH TRAFFIC ENGINEERING DEPARTMENT MINIMUM STANDARDS UNLESS OTHERWISE NOTED EXCEPT ON FINAL LIFT WHICH SHALL BE FOIL BACK TAPE OR PAPER TAPE.
- 14.8. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL UTILITY MARKINGS ONCE THE WORK IS COMPLETED. CONTRACTOR SHALL USE SPECIAL CARE WHEN REMOVING THE UTILITY MARKINGS. THE REMOVAL METHOD NEEDS TO BE SUCH THAT IT DOES NOT DAMAGE THE SURFACES OF THE EXISTING WORK ALREADY IN PLACE. IF WATER-BLASTING OLDER ASPHALT PAVEMENT, CARE NEEDS TO BE TAKEN TO NOT DISCOLOR THE ASPHALT OR POLISH THE AGGREGATE. IF THE REMOVALS ARE ON OLDER CONCRETE SURFACES, THE ENTIRE SURFACE OF A PANEL OR SECTION NEEDS TO BE BLASTED TO SHOW UNIFORM COLOR THROUGHOUT THAT SAME PANEL OR SECTION. IN ANY CASE (ASPHALT OR CONCRETE SURFACE), THE METHOD NEEDS TO BE SUCH THAT A SLICK SURFACE IS NOT LEFT BEHIND. FINAL PAYMENT TO THE CONTRACTOR MAY BE WITHHELD UNTIL THE UTILITY MARKS ARE PROPERLY REMOVED.

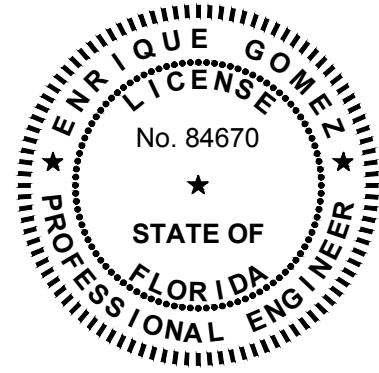
15. LANDSCAPE NOTES

- 15.1. ALL CONSTRUCTION ACTIVITY, INCLUDING TRENCHING, IS TO BE A MINIMUM OF SIX (6) FEET FROM THE BASE OF ANY TREE THAT IS DESIGNATED TO REMAIN PER CODE SECTION 27-45.
- 15.2. ALL TREES PLANTED IN ISLANDS CONTAINING HYDRANTS OR FDC'S MUST COMPLY WITH FLORIDA FIRE PREVENTION CODE 18.3.4.1 - CLEARANCES OF 7'-6" IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANT, WITH A 4' CLEARANCE TO THE REAR OF THE HYDRANT.
- 15.3. METERS SHALL HAVE AT LEAST 3' OF UNOBSTRUCTED ACCESS TO AND VIEW OF THE MANHOLE OR METER FROM THE PUBLIC RIGHT-OF-WAY AND AT LEAST 5' OF VERTICAL CLEARANCE ABOVE THE MANHOLE OR METER PIT.
- 15.4. ALL LIMEROCK AND BASE MATERIALS SHALL BE REMOVED FROM THE PLANTER AREAS/ISLANDS AND REPLACED WITH APPROPRIATE PLANTING SOIL PRIOR TO THE LANDSCAPING OF THE SITE.
- 15.5. THE REMOVAL OF ANY TREE ON THE SITE IS PROHIBITED WITHOUT THE REQUIRED CITY OF MIAMI BEACH PERMIT. ANY SITE WORK MUST BE DONE UNDER AN ENVIRONMENTAL PERMIT PER CITY OF MIAMI BEACH CODE OF ORDINANCES.
16. SODDING REQUIREMENTS
- 16.1. ALL BERMS AND SWALES ARE TO BE SODDED (SEE LANDSCAPING AND IRRIGATION PLANS)
- 16.2. LAKE SIDE SLOPES SHALL BE TOP SOILED AND STABILIZED THROUGH SEEDING AND PLANTING FROM 2 FEET BELOW TO 1 FOOT ABOVE THE CONTROL ELEVATION.
- 16.3. SOD AREAS ADJACENT TO PAVEMENT HAVING RUNOFF TO SWALES (INCLUDING ROADWAY STABILIZED SHOULDERS) SHALL BE GRADED 0.2' LOWER THAN PROPOSED EDGE OF PAVEMENT PLAN GRADES TO ALLOW FOR PLACEMENT OF SOD. PEG ALL SOD ON LAKE BANK SLOPES, SWALE SLOPES AND GROUND BETWEEN EDGE OF PAVEMENT AND SWALE AREAS IN PROPOSED SHEET FLOW AREAS.

THE STANDARD NOTES CONTAINED HEREON ARE GENERAL IN NATURE. FOR ANY CONTRADICTION BETWEEN THESE GENERAL NOTES AND THE UTILITY OWNER'S STANDARD DETAILS AND NOTES, THE UTILITY OWNER'S NOTES AND DETAILS GOVERN.

KEY PLAN (NOT TO SCALE):

SEAL:



APPROVED: ENRIQUE GOMEZ, P.E.  
FLA REGISTRATION NO. 84670 DATE 3/3/2022

ML PROJECT No. 21-00045

Drawing Title:  
**GENERAL NOTES & SPECIFICATIONS**

Filename: 21-00045\_GN.dwg  
Date: Sheet: of

Drawing No.: C1.0



LINETYPE & SYMBOLS LEGEND	
CLEARING & DEMOLITION LINETYPES	
	EXISTING FENCE (TO BE REMOVED)
	EXISTING CURB (TO BE REMOVED)
	EXISTING WALL (TO BE REMOVED)
	EXISTING TREE LINE/SHRUBS (TO BE REMOVED)
	EXISTING WATER EDGE (TO BE REMOVED)
	EXISTING SANITARY SEWER LINE (TO BE REMOVED)
	EXISTING SANITARY SEWER FORCE MAIN LINE (TO BE REMOVED)
	EXISTING STORM DRAINAGE LINE (TO BE REMOVED)
	EXISTING WATER MAIN LINE (TO BE REMOVED)
	EXISTING UTILITY LINE (TO BE ABANDONED)






















PROPOSED IMPROVEMENTS LINETYPES & SYMBOLS	
	PROPOSED BASELINE
	PROPOSED BURIED ELECTRIC LINE
	PROPOSED EASEMENT LINE
	PROPOSED FENCE LINE
	PROPOSED GUARDRAIL
	PROPOSED LIMITS OF CONSTRUCTION LINE
	PROPERTY BOUNDARY LINE
	PROPOSED LOT LINE
	PROPOSED PROPERTY SETBACK LINE
	PROPOSED EDGE OF PAVEMENT & CURB LINE
	PROPOSED ROADWAY CENTERLINE
	RIGHT OF WAY LINE
	PROPOSED TREE/LANDSCAPE LINE
	PROPOSED SANITARY SEWER FORCE MAIN LINE
	PROPOSED SANITARY SEWER SERVICE LATERAL LINE
	PROPOSED SANITARY SEWER LINE
	PROPOSED EXFILTRATION TRENCH LINE
	PROPOSED STORM DRAINAGE LINE
	PROPOSED EDGE OF WATER LINE
	PROPOSED TOP OF BANK LINE
	PROPOSED TOE OF BANK LINE
	PROPOSED WALL LINE

























	PROPOSED STORM DRAINAGE CATCH BASIN
	PROPOSED STORM DRAINAGE MANHOLE
	PROPOSED YARD DRAIN
	PROPOSED MITERED END SECTION
	PROPOSED FDOT TYPE 5 INLET
	PROPOSED FDOT TYPE 6 INLET
	PROPOSED FDOT TYPE 9 INLET
	PROPOSED STORMWATER POLLUTION PREVENETION SILT FENCE
	PROPOSED TURBIDITY BARRIER/CURTAIN
	PROPOSED INLET PROTECTION
































EXISTING LINETYPES	
	EXISTING BURIED ELECTRIC LINE
	EXISTING BURIED CABLE/TELEVISION LINE
	EXISTING BURIED COMMUNICATION LINE
	EXISTING FIRE LINE
	EXISTING GAS LINE
	EXISTING NON-POTABLE RECLAIMED WATER LINE
	EXISTING OVERHEAD WIRE LINE
	EXISTING ABANDONED UTILITY LINE
	EXISTING SANITARY FORCE MAIN
	EXISTING SANITARY SEWER LATERAL
	EXISTING SANITARY SEWER LINE
	EXISTING STORM SEWER LINE
	EXISTING POTABLE WATER LINE
	EXISTING POTABLE WATER SERVICE LINE

GENERAL ABBREVIATIONS	
AC	ASBESTOS CEMENT
ALUM	ALUMINUM
ARV	AIR RELEASE VALVE
BE	BURIED ELECTRIC
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
B/L	BASELINE
BOP	BOTTOM OF PIPE
BSP	BACTERIOLOGICAL SAMPLE POINT
BT	BURIED TELEPHONE
CATV	CABLE TELEVISION
CB	CATCH BASIN
CIP	CAST IRON PIPE
CL	CENTERLINE
CONC	CONCRETE
CV	CHECK VALVE
DDCV	DOUBLE DETECTOR CHECK VALVE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
ELEV	ELEVATION
EP	EXISTING PAVEMENT EDGE
EXIST	EXISTING
F&I	FURNISH & INSTALL
FDEP	FLORIDA DEPT. OF ENVIRONMENTAL PROTECTION
FDOT	FLORIDA DEPT. OF TRANSPORTATION
FH	FIRE HYDRANT
FM	FORCE MAIN
FPL	FLORIDA POWER & LIGHT
GE	GRATE ELEVATION
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
IE	INVERT ELEVATION
LAT	LATERAL
LF	LINEAR FEET

GENERAL ABBREVIATIONS	
MAX	MAXIMUM
MEG	MATCH EXISTING GRADE
MES	MITERED END SECTION
MFGR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
NTS	NOT TO SCALE
OC	ON CENTER
OE	OVERHEAD ELECTRIC
OHW	OVERHEAD WIRE
PC	POINT OF CURVATURE
PHDPE	PERFORATED HIGH DENSITY POLYETHYLENE
PL	PROPERTY LINE
PRB	POLLUTION RETARDANT BAFFLE
PROP	PROPOSED
PSI	POUNDS PER SQUARE INCH
PV	PLUG VALVE
PVC	POLY VINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
RE	RIM ELEVATION
RED	REDUCER
REQD	REQUIRED
RJ	RESTRAINED JOINT
R/W	RIGHT-OF-WAY
SAN SWR	SANITARY SEWER
STRM SWR	STORM SEWER
TEL	TELEPHONE
TOP	TOP OF PIPE
TYP	TYPICAL
UR	UTILITY RISER
VCP	VITRIFIED CLAY PIPE
WL	WATER LINE
WM	WATER METER

SYM.		DESCRIPTION
CONTROL		AERIAL TARGET
		BENCH MARK
		CONCRETE MONUMENT
		IRON PIN
		NAIL & DISC
		IRON ROD AND CAP
		HUB AND TACK
PIPE FITTINGS		11.25° PIPE BEND
		22.5° PIPE BEND
		45° PIPE BEND
		90° PIPE BEND
		CROSS PIPE FITTING
		TEE PIPE FITTING
		WYE PIPE FITTING
		REDUCER PIPE FITTING
ELECTRICAL		ELECTRICAL MANHOLE
		ELECTRICAL OUTLET
		GROUND LIGHT
		ELECTRICAL JUNCTION BOX
		ELECTRICAL METER
		TRANSFORMER

EXISTING SYMBOLS LEGEND		
	SYM.	DESCRIPTION
GAS / FUEL		GAS MANHOLE
		GAS VALVE
		MONITORING WELL
		VENT PIPE
TELE / TV		TELEPHONE RISER
		TELEPHONE MANHOLE
		CATV RISER
WATER / IRRIGATION		BACKFLOW PREVENTER
		AIR RELEASE VALVE
		FIRE HYDRANT
		SIAMESE CONNECTION
		WATER METER
		WATER VALVE
		DOUBLE DETECTOR CHECK VALVE
		WELL
		IRRIGATION CONTROL VALVE
		IRRIGATION CONTROL BOX
TREES		SPRINKLER
		GENERIC TREE
		OAK TREE
		PALM TREE
		MANGROVE TREE
		CITRUS TREE
		BUSH-CROTON

SYM.		DESCRIPTION
SANITARY SEWER		CLEAN OUT
		SANITARY MANHOLE
		STAND PIPE
		SEWER VALVE
		GREASE TRAP MANHOLE
STORM SEWER		
		CATCH BASIN
		STORM MANHOLE
		YARD DRAIN
		CURB INLET
MISCELLANEOUS		
		BORING HOLE LOCATION
		VALVE (UNKNOWN)
		BOLLARD
		FLAG POLE
		MANHOLE (UNKNOWN)
		SATELLITE DISH
		SIGNS
		PARKING METER
		A/C UNIT
UTILITY POLES		MAILBOX
		PEDESTRIAN SIGNAL UNIT
		TRASH RECEPTICLE
		TOPOGRAPHIC ELEVATION
		GUY WIRE
		GUY POLE
		WOOD LIGHT POLE
		METAL LIGHT POLE
		CONCRETE LIGHT POLE
		CONCRETE UTILITY POLE
		METAL UTILITY POLE
		WOOD UTILITY POLE
		MAST ARM & SIGNAL SUPPORT

TAGS	
	STRUCTURE NUMBER
	STATION, OFFSET RIM/GRATE ELEVATION INVERT ELEVATION(S)
DETAILED	
	STRUCTURE NUMBER
BASIC/TABULAR	
NOTE: STRUCTURE NUMBERS MAY BE PREFIXED IN ORDER TO IDENTIFY THE NETWORK IT BELONGS TO: 'S-' = SANITARY SEWER 'D-' = STORM DRAINAGE	
STRUCTURE CALLOUT	
	SECTION LETTER
	DETAIL NUMBER/LETTER
SECTION SYMBOL	
	SHEET DETAIL APPEARS ON
DETAIL SYMBOL	
	SPOT ELEVATION
	TOP OF CURB ELEVATION
	EDGE OF PAVEMENT ELEVATION
SPOT ELEVATION SYMBOLS	

HATCH PATTERN LEGEND	
EXISTING HATCH PATTERNS	
	EXISTING CONCRETE PAVEMENT/SIDEWALK
	EXISTING CONCRETE PAVERS
CLEARING & DEMOLITION HATCH PATTERNS	
	EXISTING BUILDING/STRUCTURE (TO BE REMOVED)
	EXISTING ASPHALT ROADWAY/SURFACE (TO BE REMOVED)
	EXISTING CONCRETE SIDEWALK/SURFACE (TO BE REMOVED)
PROPOSED IMPROVEMENTS HATCH PATTERNS	
	PROPOSED CONCRETE PAVEMENT/SIDEWALK
	PROPOSED ASPHALT PAVEMENT
	PROPOSED ASPHALT RESTORATION
	PROPOSED CONCRETE PAVERS
	PROPOSED GREEN SPACE
	PROPOSED STORMWATER POLLUTION PREVENTION SOIL TRACKING MEASURE/ GRAVEL CONSTRUCTION ENTRANCE

SINGLE LINE PIPE FITTING LEGEND			
11.25° BEND		CROSS	
22.5° BEND		REDUCER	
45° BEND		TEE	
90° BEND		WYE	
LINE WEIGHTS			
EXISTING ----	SHADED SOLID & DASHED LINES & TEXT DENOTE EXISTING EQUIPMENT, STRUCTURES AND WORK.		
FUTURE -----	NON-SHADED DASHED LINES & TEXT DENOTE FUTURE EQUIPMENT, STRUCTURES AND WORK.		
PROPOSED =====	NON-SHADED, BOLD, SOLID LINES & TEXT DENOTE PROPOSED EQUIPMENT, STRUCTURES AND WORK.		
NOTES:			
1. FOR GRAPHICAL CLARIFICATION ON PLANS CONTAINING BACKGROUND AERIAL PHOTOS, EXISTING ITEMS ARE SHOWN HOLLOW WHEREAS PROPOSED ARE SHOWN SOLID.			
2. FOR GRAPHICAL CLARIFICATION THROUGHOUT THE PLAN SET, PROPOSED EQUIPMENT, STRUCTURES AND WORK NOT PERTAINING TO A SUB-SECTION OF THE SET (I.E. PAVEMENT MARKING & SIGNAGE PLAN, PAVING GRADING & DRAINAGE PLAN, UTILITY PLAN, ETC.) MAY BE SHADED IN AN EFFORT TO EMPHASIZE PROPOSED EQUIPMENT, STRUCTURES AND WORK ASSOCIATED WITH THE SUB-SECTION IN A MANNER OF DISTINCT DIFFERENTIATION FROM THAT OF EXISTING EQUIPMENT, STRUCTURES, AND UTILITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND VERIFY EXISTING CONDITIONS, AS WELL AS MAINTAIN KNOWLEDGE AND UNDERSTANDING OF THE PROPOSED WORK SPECIFIED WITHIN THE CONSTRUCTION SET.			

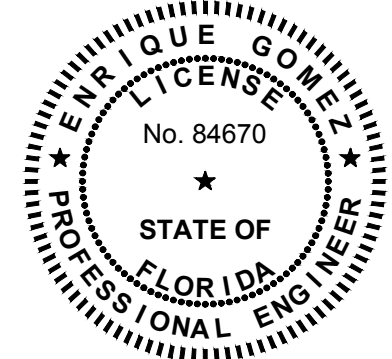
PIPE & STRUCTURE LEGEND	
	DETAILED
	BASIC/SINGLE LINE

NOTE: THE LEGEND SHOWN HEREON IS REPRESENTATIVE OF ALL MILLER LEGG DRAFTING STANDARDS AND IS NOT PROJECT SPECIFIC.

ML PROJECT No. 21-00045

KEY PLAN (NOT TO SCALE):

SEAL:



APPROVED: ENRIQUE GOMEZ, P.E. FLA REGISTRATION NO. 84670 DATE: 3/3/2022

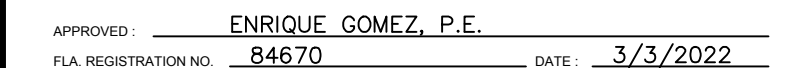








SEE SHEET C2.2 FOR CONTINUATION



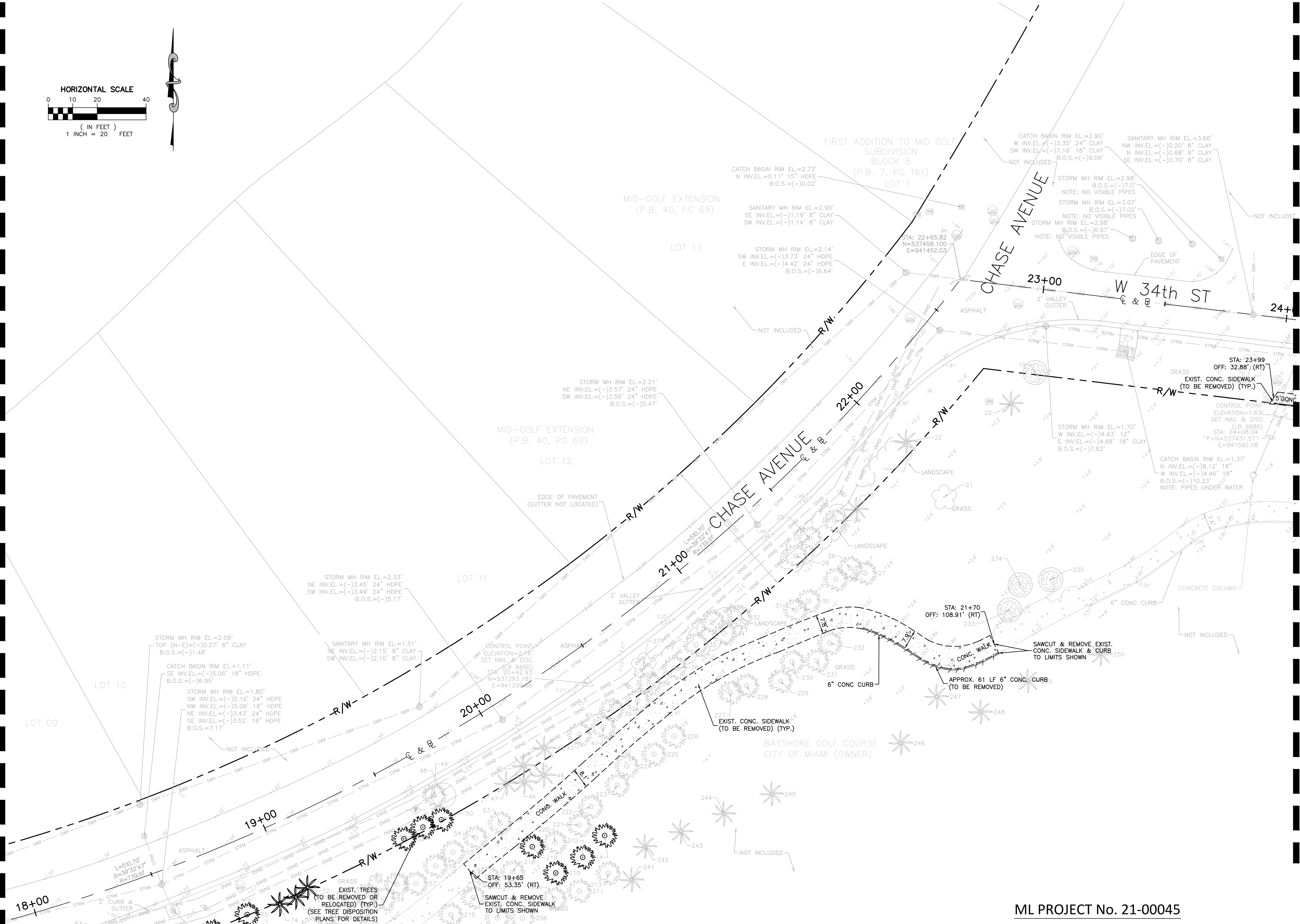
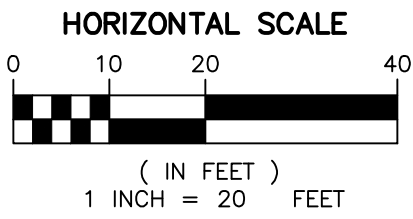
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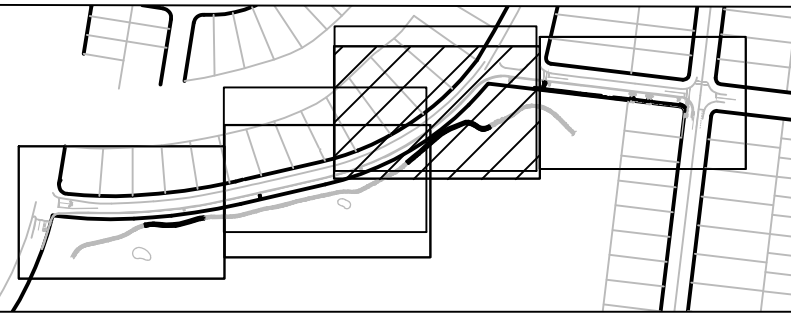


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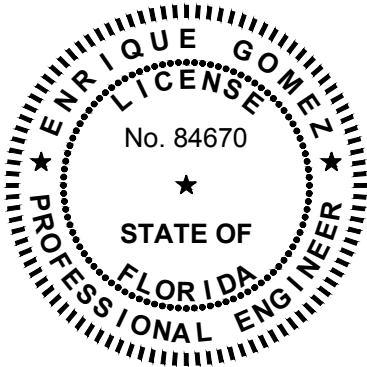
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KEY PLAN (NOT TO SCALE):



SEAL:



APPROVED: ENRIQUE GOMEZ, P.E.  
FLA. REGISTRATION NO. 84670 DATE 3/3/2022

ML PROJECT No. 21-00045

**MIAMI BEACH**  
OFFICE OF CAPITAL IMPROVEMENT PROJECTS  
1701 MERIDIAN AVENUE, MIAMI BEACH, FL 33139

PROJECT: CHASE AVENUE AND W 34TH STREET PATH  
ADDRESS: CITY OF MIAMI BEACH, FL

SUB-CONSULTANT  
**MILLER LEGG**  
Miami-Dade Office: 1845 NW 112 Avenue, Suite 211  
Sweetwater, Florida 33172  
305-599-6381 • Fax: 305-599-2797  
www.millerlegg.com  
Certificates of Authorization: EB7918, LB6680, LC0337

LA OF RECORD: CMJ  
DESIGN LA: CMJ  
DRAWN BY: AP  
CHECKER: CMJ  
SCALE: AS SHOWN

LANDSCAPE ARCHITECT  
OF RECORD:  
CASTO MIGUEL JUNCAL  
NO.6667184

NO.	DATE	REVISION	APP'D. BY
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Drawing Title:  
CLEARING & DEMOLITION  
PLAN  
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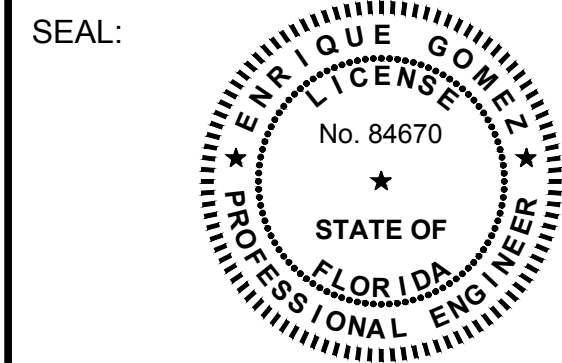
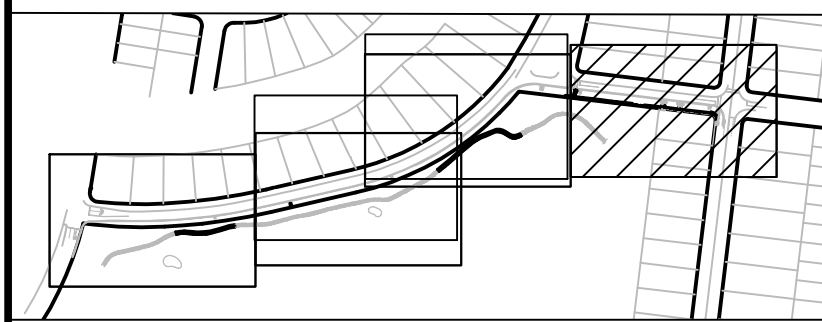
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SEE SHEET C2.2 FOR CONTINUATION



KEY PLAN (NOT TO SCALE):



APPROVED: ENRIQUE GOMEZ, P.E.  
FLA. REGISTRATION NO. 84670 DATE: 3/3/2022

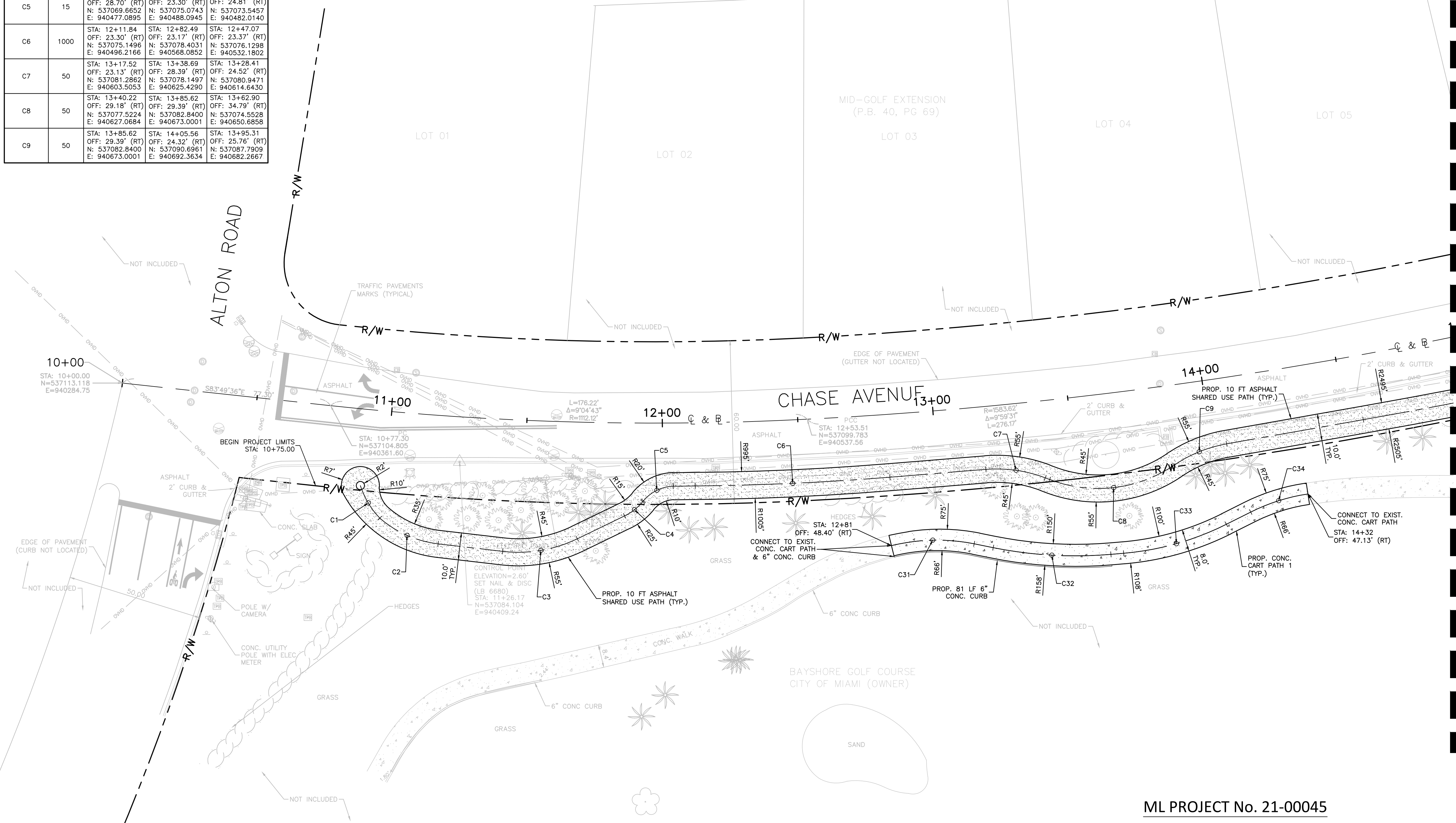
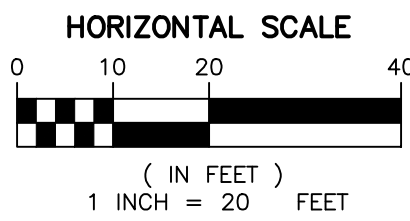
ML PROJECT No. 21-00045

<div>MIAMI BEACH</div> <div>OFFICE OF CAPITAL IMPROVEMENT PROJECTS</div> <div>1701 MERIDIAN AVENUE, MIAMI BEACH, FL 33139</div>	PROJECT: CHASE AVENUE AND W 34TH STREET PATH	<div>SUB-CONSULTANT</div> <div>MILLER LEGG</div> <div>Miami-Dade Office: 1845 NW 112 Avenue, Suite 211 Sweetwater, Florida 33172 305-599-6381   Fax: 305-599-2797 www.millerlegg.com</div> <div>Certificates of Authorization: EB7918, LB6680, LC0337</div>	LA OF RECORD: CMJ	LANDSCAPE ARCHITECT OF RECORD:	5				Drawing Title: CLEARING & DEMOLITION PLAN	Drawing No.: C2.3
	ADDRESS: CITY OF MIAMI BEACH, FL		DESIGN LA: CMJ		4					
			DRAWN BY: AP		3					
			CHECKER: CMJ		2					
			SCALE: AS SHOWN		1					
			CASTO MIGUEL JUNCAL NO.6667184	NO.	DATE	REVISION	APP'D. BY	Filename: 21-00045_DEMO.dwg	Date: Sheet: of	

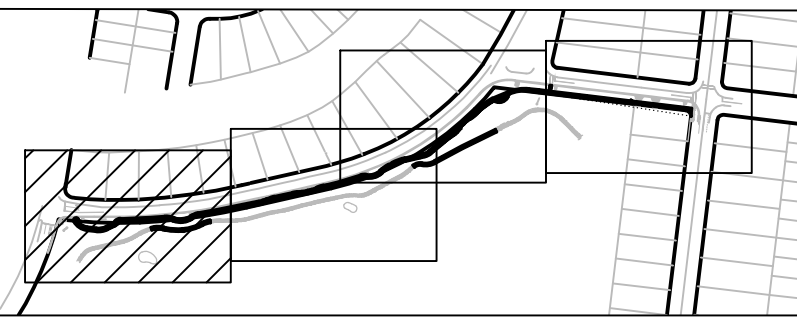


SHARED PATH CL (REFERENCE STATION & OFFSET-ROADWAY BASELINE)				
CURVE #	RADIUS	START POINT	END POINT	MID POINT
C1	31	STA: 10+91.06 OFF: 28.23' (RT) N: 537075.3057 E: 940372.6068	STA: 10+99.06 OFF: 39.55' (RT) N: 537063.2837 E: 940379.7812	STA: 10+94.45 OFF: 34.36' (RT) N: 537068.8797 E: 940375.4986
C2	40	STA: 10+99.06 OFF: 39.55' (RT) N: 537063.2837 E: 940379.7812	STA: 11+20.43 OFF: 47.30' (RT) N: 537053.8087 E: 940401.3061	STA: 11+09.22 OFF: 45.04' (RT) N: 537056.9285 E: 940389.8316
C3	50	STA: 11+43.37 OFF: 48.68' (RT) N: 537051.0277 E: 940425.1139	STA: 11+69.67 OFF: 43.03' (RT) N: 537055.6772 E: 940452.6828	STA: 11+56.87 OFF: 47.73' (RT) N: 537051.3863 E: 940439.2300
C4	20	STA: 11+86.41 OFF: 34.28' (RT) N: 537064.1245 E: 940470.1506	STA: 11+92.87 OFF: 29.01' (RT) N: 537069.3545 E: 940476.8317	STA: 11+89.91 OFF: 32.00' (RT) N: 537066.3812 E: 940473.7717
C5	15	STA: 11+93.12 OFF: 28.70' (RT) N: 537069.6652 E: 940477.0895	STA: 12+03.88 OFF: 23.30' (RT) N: 537075.0743 E: 940488.0945	STA: 11+97.92 OFF: 24.81' (RT) N: 537073.5457 E: 940482.0140
C6	1000	STA: 12+11.84 OFF: 23.30' (RT) N: 537075.1496 E: 940496.2166	STA: 12+82.49 OFF: 23.17' (RT) N: 537078.4031 E: 940568.0852	STA: 12+47.07 OFF: 23.37' (RT) N: 537076.1298 E: 940532.1802
C7	50	STA: 13+17.52 OFF: 23.13' (RT) N: 537081.2862 E: 940603.5053	STA: 13+38.69 OFF: 28.39' (RT) N: 537078.1497 E: 940625.4290	STA: 13+28.41 OFF: 24.52' (RT) N: 537080.9471 E: 940614.6430
C8	50	STA: 13+40.22 OFF: 29.18' (RT) N: 537077.5224 E: 940627.0684	STA: 13+85.62 OFF: 29.39' (RT) N: 537082.8400 E: 940673.0001	STA: 13+62.90 OFF: 34.79' (RT) N: 537074.5528 E: 940650.6858
C9	50	STA: 13+85.62 OFF: 29.39' (RT) N: 537082.8400 E: 940673.0001	STA: 14+05.56 OFF: 24.32' (RT) N: 537090.6961 E: 940692.3634	STA: 13+95.31 OFF: 25.76' (RT) N: 537087.7909 E: 940682.2667

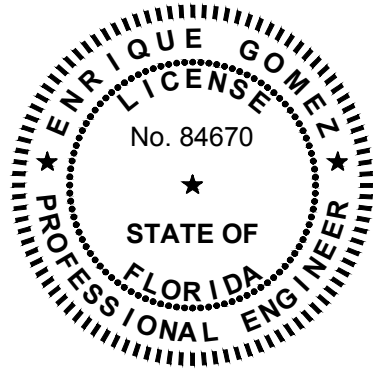
CART PATH 1 CL (REFERENCE STATION & OFFSET-ROADWAY BASELINE)				
CURVE #	RADIUS	START POINT	END POINT	MID POINT
C31	70	STA: 12+81.36 OFF: 48.40' (RT) N: 537053.1493 E: 940568.6576	STA: 13+10.92 OFF: 50.10' (RT) N: 537053.8178 E: 940599.1852	STA: 12+96.24 OFF: 47.50' (RT) N: 537055.1711 E: 940583.8644
C32	154	STA: 13+17.59 OFF: 52.14' (RT) N: 537052.4031 E: 940606.2244	STA: 13+59.10 OFF: 59.12' (RT) N: 537049.9331 E: 940649.6787	STA: 13+38.15 OFF: 57.01' (RT) N: 537049.6277 E: 940627.8640
C33	104	STA: 13+63.63 OFF: 59.28' (RT) N: 537050.3314 E: 940654.3652	STA: 14+01.29 OFF: 53.67' (RT) N: 537061.0266 E: 940692.2868	STA: 13+82.68 OFF: 58.22' (RT) N: 537053.8711 E: 940673.8358
C34	70	STA: 14+10.54 OFF: 50.52' (RT) N: 537065.5391 E: 940701.2813	STA: 14+31.79 OFF: 47.23' (RT) N: 537072.2103 E: 940722.4115	STA: 14+21.03 OFF: 47.96' (RT) N: 537069.7175 E: 940711.5803



KEY PLAN (NOT TO SCALE):



SEAL:



APPROVED: ENRIQUE GOMEZ, P.E.  
FLA. REGISTRATION NO. 84670 DATE: 3/3/2022

ML PROJECT No. 21-00045

**MIAMI BEACH**  
OFFICE OF CAPITAL IMPROVEMENT PROJECTS  
1701 MERIDIAN AVENUE, MIAMI BEACH, FL 33139

PROJECT: CHASE AVENUE AND W 34TH STREET PATH  
ADDRESS: CITY OF MIAMI BEACH, FL

SUB-CONSULTANT  
**MILLER LEGG**  
Miami-Dade Office: 1845 NW 112 Avenue, Suite 211  
Sweetwater, Florida 33172  
305-599-6381 | Fax: 305-599-2797  
www.millerlegg.com  
Certificates of Authorization: EB7918, LB6880, LC0337

LA OF RECORD: CMJ  
DESIGN LA: CMJ  
DRAWN BY: AP  
CHECKER: CMJ  
SCALE: AS SHOWN

LANDSCAPE ARCHITECT  
OF RECORD:  
CASTO MIGUEL JUNCAL  
NO.6667184

NO.	DATE	REVISION	APP'D. BY
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Drawing Title:  
GEOMETRY PLAN

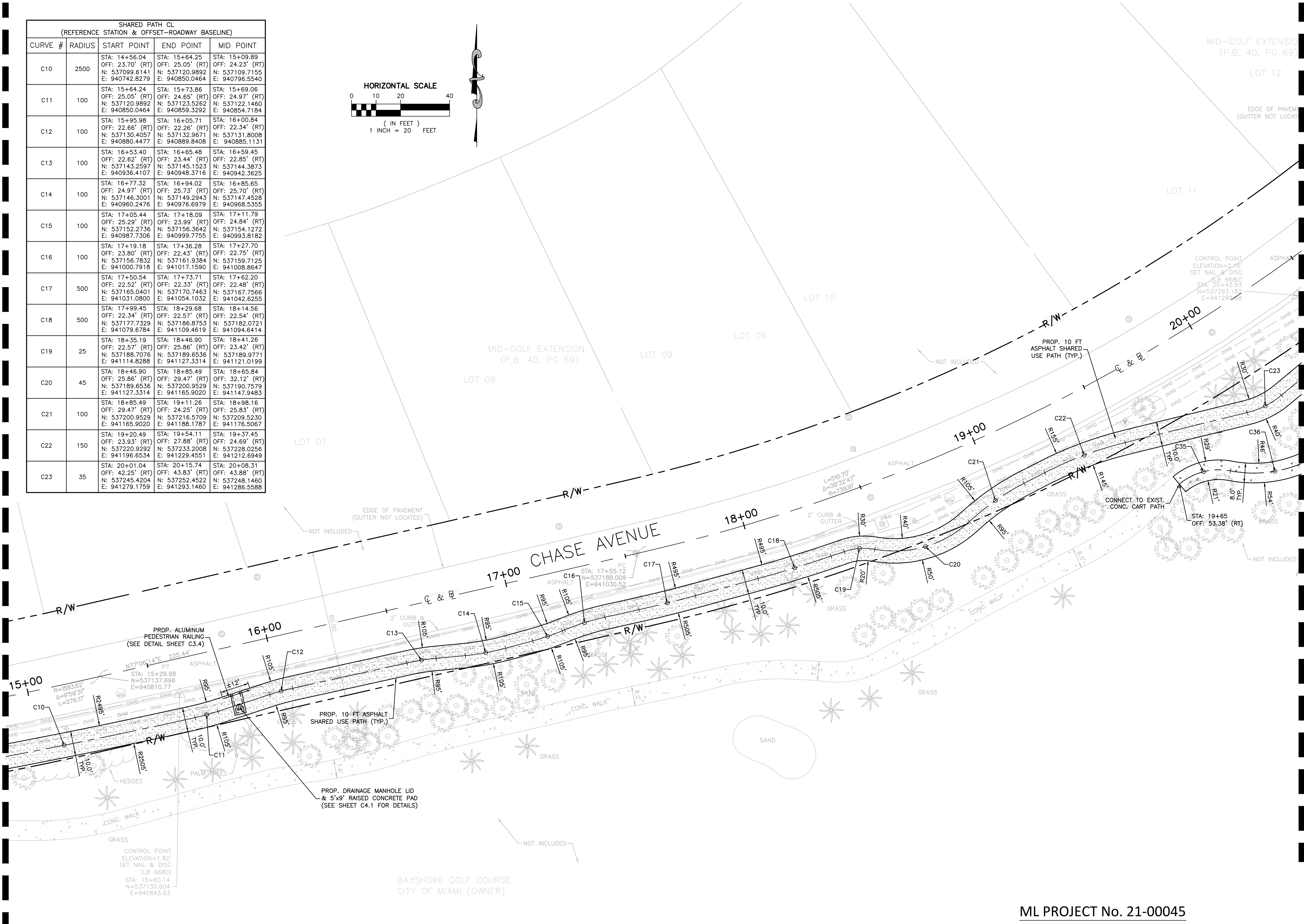
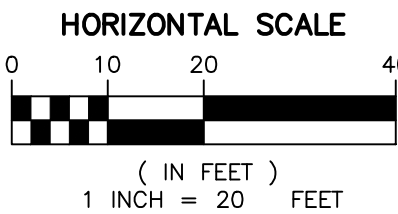
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Drawing No.: C3.0



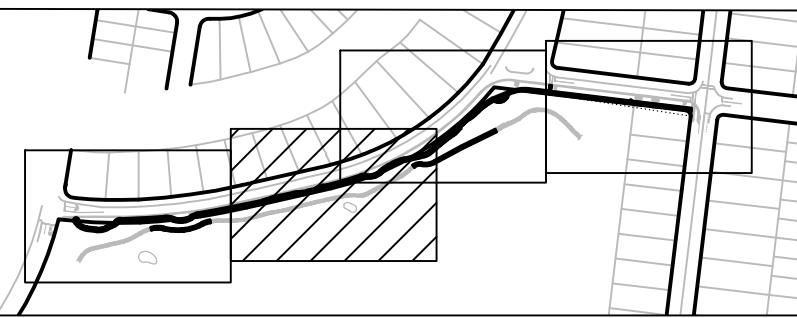
SEE SHEET C3.0 FOR CONTINUATION

SHARED PATH CL (REFERENCE STATION & OFFSET-ROADWAY BASELINE)				
CURVE #	RADIUS	START POINT	END POINT	MID POINT
C10	2500	STA: 14+56.04 OFF: 23.70' (RT) N: 537099.6141 E: 940742.8279	STA: 15+64.25 OFF: 25.05' (RT) N: 537120.9892 E: 940850.0464	STA: 15+09.89 OFF: 24.23' (RT) N: 537109.7155 E: 940796.5540
C11	100	STA: 15+64.24 OFF: 25.05' (RT) N: 537120.9892 E: 940850.0464	STA: 15+73.86 OFF: 24.65' (RT) N: 537123.5262 E: 940859.3292	STA: 15+69.06 OFF: 24.97' (RT) N: 537122.1460 E: 940854.7184
C12	100	STA: 15+95.98 OFF: 22.66' (RT) N: 537130.4057 E: 940880.4477	STA: 16+05.71 OFF: 22.26' (RT) N: 537132.9671 E: 940889.8408	STA: 16+00.84 OFF: 22.34' (RT) N: 537131.8008 E: 940885.1131
C13	100	STA: 16+53.40 OFF: 22.62' (RT) N: 537143.2597 E: 940936.4107	STA: 16+65.48 OFF: 23.44' (RT) N: 537145.1523 E: 940948.3716	STA: 16+59.45 OFF: 22.85' (RT) N: 537144.3873 E: 940942.3625
C14	100	STA: 16+77.32 OFF: 24.97' (RT) N: 537146.3001 E: 940960.2476	STA: 16+94.02 OFF: 25.73' (RT) N: 537149.2943 E: 940976.6979	STA: 16+85.65 OFF: 25.70' (RT) N: 537147.4528 E: 940968.5355
C15	100	STA: 17+05.44 OFF: 25.29' (RT) N: 537152.2736 E: 940987.7306	STA: 17+18.09 OFF: 23.99' (RT) N: 537156.3642 E: 940999.7755	STA: 17+11.79 OFF: 24.84' (RT) N: 537154.1272 E: 940993.8182
C16	100	STA: 17+19.18 OFF: 23.80' (RT) N: 537156.7832 E: 941000.7918	STA: 17+36.28 OFF: 22.43' (RT) N: 537161.9384 E: 941017.1590	STA: 17+27.70 OFF: 22.75' (RT) N: 537159.7125 E: 941008.8647
C17	500	STA: 17+50.54 OFF: 22.52' (RT) N: 537165.0401 E: 941031.0800	STA: 17+73.71 OFF: 22.33' (RT) N: 537170.7463 E: 941054.1032	STA: 17+62.20 OFF: 22.48' (RT) N: 537167.7566 E: 941042.6255
C18	500	STA: 17+99.45 OFF: 22.34' (RT) N: 537177.7329 E: 941079.6784	STA: 18+29.68 OFF: 22.57' (RT) N: 537186.8753 E: 941109.4619	STA: 18+14.56 OFF: 22.54' (RT) N: 537182.0721 E: 941094.6414
C19	25	STA: 18+35.19 OFF: 22.57' (RT) N: 537188.7076 E: 941114.8288	STA: 18+46.90 OFF: 25.86' (RT) N: 537189.6536 E: 941127.3314	STA: 18+41.26 OFF: 25.86' (RT) N: 537189.9771 E: 941121.0199
C20	45	STA: 18+46.90 OFF: 25.86' (RT) N: 537189.6536 E: 941127.3314	STA: 18+85.49 OFF: 29.47' (RT) N: 537200.9529 E: 941165.9020	STA: 18+65.84 OFF: 32.12' (RT) N: 537190.7579 E: 941147.9483
C21	100	STA: 18+85.49 OFF: 29.47' (RT) N: 537200.9529 E: 941165.9020	STA: 19+11.26 OFF: 24.25' (RT) N: 537216.5709 E: 941188.1787	STA: 18+98.16 OFF: 25.83' (RT) N: 537209.5230 E: 941176.5067
C22	150	STA: 19+20.49 OFF: 23.83' (RT) N: 537220.9292 E: 941196.6534	STA: 19+54.11 OFF: 27.88' (RT) N: 537233.2008 E: 941229.4551	STA: 19+37.45 OFF: 24.69' (RT) N: 537228.0256 E: 941212.6949
C23	35	STA: 20+01.04 OFF: 42.25' (RT) N: 537245.4204 E: 941279.1759	STA: 20+15.74 OFF: 43.83' (RT) N: 537252.4522 E: 941293.1460	STA: 20+08.31 OFF: 43.88' (RT) N: 537248.1460 E: 941286.5588

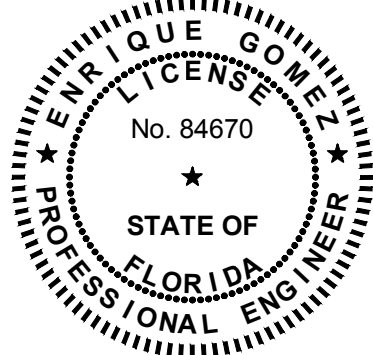


SEE SHEET C3.2 FOR CONTINUATION

KEY PLAN (NOT TO SCALE):



SEAL:



APPROVED: ENRIQUE GOMEZ, P.E.  
FLA. REGISTRATION NO. 84670 DATE: 3/4/2022

ML PROJECT No. 21-00045

**MIAMI BEACH**  
OFFICE OF CAPITAL IMPROVEMENT PROJECTS  
1701 MERIDIAN AVENUE, MIAMI BEACH, FL 33139

PROJECT:  
**CHASE AVENUE AND W 34TH STREET PATH**

ADDRESS:  
**CITY OF MIAMI BEACH, FL**

SUB-CONSULTANT  
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Miami-Dade Office: 1845 NW 112 Avenue, Suite 211  
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LA OF RECORD: CMJ  
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DRAWN BY: AP  
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SCALE: AS SHOWN

LANDSCAPE ARCHITECT  
OF RECORD:  
CASTO MIGUEL JUNCAL  
NO.6667184

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NO.	DATE	REVISION	APP'D. BY	Date:	Sheet: of

Drawing Title:  
**GEOMETRY PLAN**

Filename: 21-00045\_GEO.dwg

Drawing No.:  
**C3.1**



SEE SHEET C3.1 FOR CONTINUATION

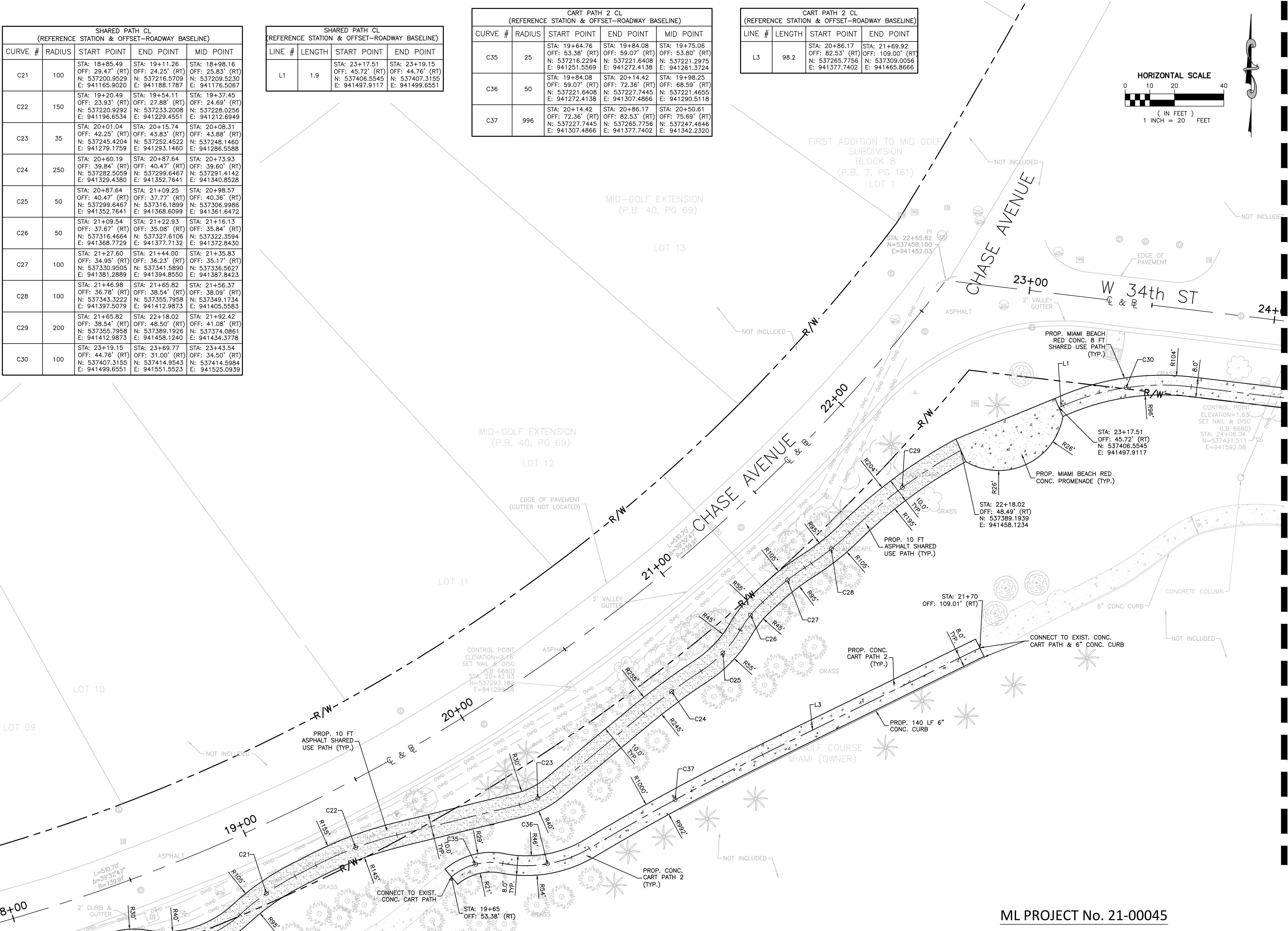
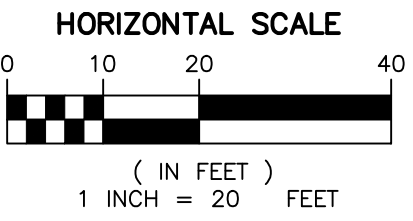
SEE SHEET C3.3 FOR CONTINUATION

SHARED PATH CL (REFERENCE STATION & OFFSET-ROADWAY BASELINE)				
CURVE #	RADIUS	START POINT	END POINT	MID POINT
C21	100	STA: 18+85.49 OFF: 29.47' (RT) N: 537200.9529 E: 941165.9020	STA: 19+11.26 OFF: 24.25' (RT) N: 537216.5709 E: 941188.1787	STA: 18+98.16 OFF: 25.83' (RT) N: 537209.5230 E: 941176.5067
C22	150	STA: 19+20.49 OFF: 23.93' (RT) N: 537220.9292 E: 941196.6534	STA: 19+54.11 OFF: 27.88' (RT) N: 537233.2008 E: 941229.4551	STA: 19+37.45 OFF: 24.69' (RT) N: 537228.0256 E: 941212.6949
C23	35	STA: 20+01.04 OFF: 42.25' (RT) N: 537245.4204 E: 941279.1759	STA: 20+15.74 OFF: 43.83' (RT) N: 537252.4522 E: 941293.1460	STA: 20+08.31 OFF: 43.88' (RT) N: 537248.1460 E: 941286.5598
C24	250	STA: 20+60.19 OFF: 39.84' (RT) N: 537282.5059 E: 941329.4380	STA: 20+87.64 OFF: 40.47' (RT) N: 537289.6467 E: 941352.7641	STA: 20+73.93 OFF: 39.60' (RT) N: 537291.4142 E: 941340.8528
C25	50	STA: 20+87.64 OFF: 40.47' (RT) N: 537299.6467 E: 941352.7641	STA: 21+09.25 OFF: 37.77' (RT) N: 537316.1899 E: 941368.6099	STA: 20+98.57 OFF: 40.36' (RT) N: 537306.9986 E: 941361.6472
C26	50	STA: 21+09.54 OFF: 37.67' (RT) N: 537316.4664 E: 941368.7729	STA: 21+22.93 OFF: 35.08' (RT) N: 537327.6106 E: 941372.8430	STA: 21+16.13 OFF: 35.84' (RT) N: 537322.3594 E: 941372.8430
C27	100	STA: 21+27.60 OFF: 34.95' (RT) N: 537330.9505 E: 941381.2889	STA: 21+44.00 OFF: 36.23' (RT) N: 537341.5890 E: 941394.8550	STA: 21+35.83 OFF: 35.17' (RT) N: 537336.5627 E: 941387.8423
C28	100	STA: 21+46.98 OFF: 36.78' (RT) N: 537343.3222 E: 941397.5079	STA: 21+65.82 OFF: 38.54' (RT) N: 537355.7958 E: 941412.9873	STA: 21+56.37 OFF: 38.09' (RT) N: 537349.1734 E: 941405.5583
C29	200	STA: 21+65.82 OFF: 38.54' (RT) N: 537355.7958 E: 941412.9873	STA: 22+18.02 OFF: 48.50' (RT) N: 537369.1926 E: 941458.1240	STA: 21+92.42 OFF: 41.08' (RT) N: 537374.0861 E: 941434.3778
C30	100	STA: 23+19.15 OFF: 44.76' (RT) N: 537407.3155 E: 941499.6551	STA: 23+69.77 OFF: 31.00' (RT) N: 537414.9543 E: 941551.5523	STA: 23+43.54 OFF: 34.50' (RT) N: 537414.5984 E: 941525.0939

SHARED PATH CL (REFERENCE STATION & OFFSET-ROADWAY BASELINE)			
LINE #	LENGTH	START POINT	END POINT
L1	1.9	STA: 23+17.51 OFF: 45.72' (RT) N: 537406.5545 E: 941497.9117	STA: 23+19.15 OFF: 44.76' (RT) N: 537407.3155 E: 941499.6551

CART PATH 2 CL (REFERENCE STATION & OFFSET-ROADWAY BASELINE)				
CURVE #	RADIUS	START POINT	END POINT	MID POINT
C35	25	STA: 19+64.76 OFF: 53.38' (RT) N: 537216.2294 E: 941251.5569	STA: 19+84.08 OFF: 59.07' (RT) N: 537221.6408 E: 941272.4138	STA: 19+75.06 OFF: 53.80' (RT) N: 537221.2975 E: 941261.3724
C36	50	STA: 19+84.08 OFF: 59.07' (RT) N: 537221.6408 E: 941272.4138	STA: 20+14.42 OFF: 72.36' (RT) N: 537227.7445 E: 941307.4866	STA: 19+98.25 OFF: 68.59' (RT) N: 537221.4655 E: 941290.5118
C37	996	STA: 20+14.42 OFF: 72.36' (RT) N: 537227.7445 E: 941307.4866	STA: 20+86.17 OFF: 82.53' (RT) N: 537265.7756 E: 941377.7402	STA: 20+50.61 OFF: 75.89' (RT) N: 537247.4646 E: 941342.2320

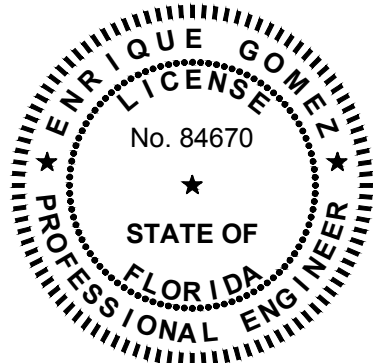
CART PATH 2 CL (REFERENCE STATION & OFFSET-ROADWAY BASELINE)			
LINE #	LENGTH	START POINT	END POINT
L3	98.2	STA: 20+86.17 OFF: 82.53' (RT) N: 537265.7756 E: 941377.7402	STA: 21+69.92 OFF: 109.00' (RT) N: 537309.0056 E: 941465.8666



KEY PLAN (NOT TO SCALE):



SEAL:



APPROVED: ENRIQUE GOMEZ, P.E.  
FLA. REGISTRATION NO. 84670 DATE 3/3/2022

Drawing Title:  
GEOMETRY PLAN

Drawing No.:  
C3.2

Filename: 21-00045\_GEO.dwg  
Date: Sheet: of

ML PROJECT No. 21-00045

**MIAMI BEACH**  
OFFICE OF CAPITAL IMPROVEMENT PROJECTS  
1701 MERIDIAN AVENUE, MIAMI BEACH, FL 33139

PROJECT:  
CHASE AVENUE AND W 34TH STREET PATH  
ADDRESS:  
CITY OF MIAMI BEACH, FL

SUB-CONSULTANT  
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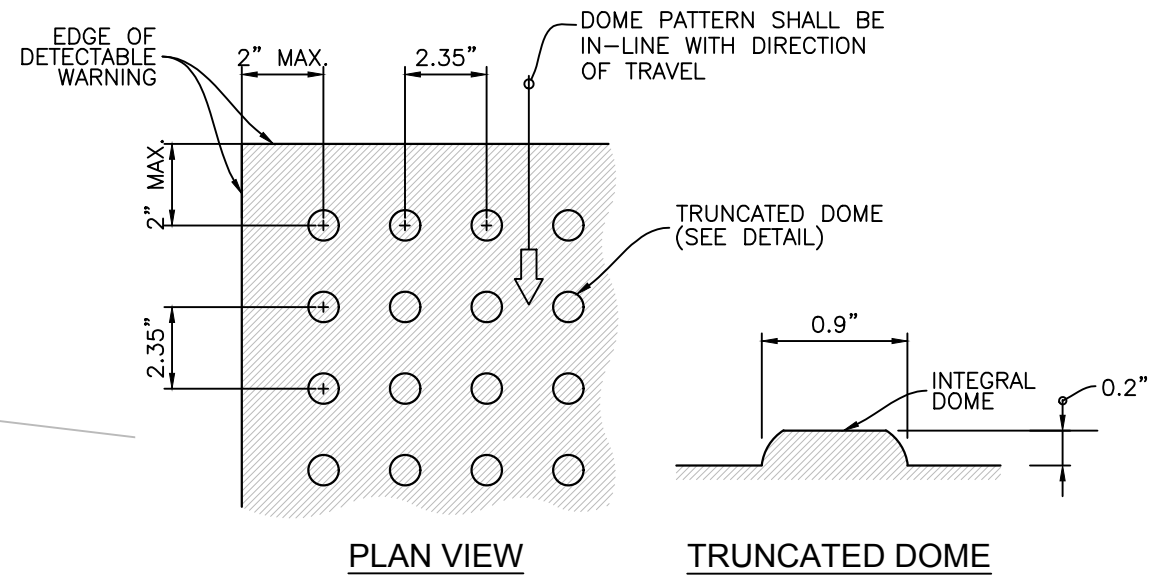
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LANDSCAPE ARCHITECT  
OF RECORD:  
CASTO MIGUEL JUNCAL  
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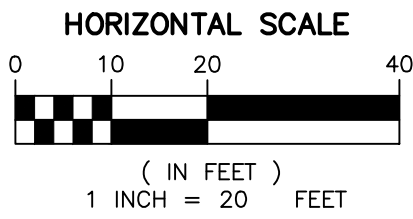
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SHARED PATH CL (REFERENCE STATION & OFFSET-ROADWAY BASELINE)			
LINE #	LENGTH	START POINT	END POINT
L2	422.5	STA: 23+69.77 OFF: 31.00' (RT) N: 537414.9543 E: 941551.5523	STA: 27+92.27 OFF: 31.00' (RT) N: 537364.6929 E: 941971.0562



- NOTES:
1. DETECTABLE WARNING SURFACE AS REQUIRED PER AMERICAN WITH DISABILITIES ACT DESIGN STANDARDS REQUIRED AT ALL CONCRETE SIDEWALK LANDINGS WITHIN PROJECT LIMITS.
  2. STAMPED CONCRETE IS NOT PERMITTED FOR DETECTABLE WARNING SURFACES. ARMOR TILE OR AN APPROVED EQUAL SHALL BE USED.
  3. WHEN NOT PLACED ON CURB RAMP, DETECTABLE WARNINGS SHALL BE PLACED ON THE WALKING SURFACES ADJOINING A VEHICULAR WAY. THE BOUNDARY BETWEEN THE AREAS SHALL BE DEFINED BY A CONTINUOUS DETECTABLE WARNING WHICH IS 36" WIDE.
  4. UNLESS NOT PLACED DIRECTLY ON A RAMP, DETECTABLE WARNING SURFACE MUST NOT EXCEED 2% SLOPE IN ANY DIRECTION.
  5. WHEN PLACED ON CURB RAMP, DETECTABLE WARNING SURFACE SHALL EXTEND THE FULL LENGTH AND WIDTH OF THE RAMP. FOR RAMP WITHIN FDOT RIGHT-OF-WAY, REFER TO THE LATEST VERSION OF THE FDOT DESIGN STANDARDS INDEX #522-002.
  6. CONSTRUCTION OF DETECTABLE WARNING SURFACE IS NOT LIMITED TO CONCRETE MATERIAL. HOWEVER, PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST INFORM TO THE ENGINEER OF RECORD THE PROPOSED MATERIAL FOR THE DETECTABLE WARNING SURFACE. CONTRACTOR MUST ENSURE THAT THE FOLLOWING TRUNCATED DOME CRITERIA IS MET:
    - A. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. THE MATERIAL USED TO PROVIDE CONTRAST SHOULD CONTRAST BY AT LEAST 70%.
    - B. 90% OF THE INDIVIDUAL TRUNCATED DOMES MUST COMPLY WITH THE SPECIFIED DIMENSIONS AND DESIGN CRITERIA.
    - C. NO TWO ADJACENT DOMES MAY BE NON-COMPLIANT.
    - D. SURFACE MAY NOT DEVIATE MORE THAN 0.1" FROM A TRUE PLAN.
  7. DETECTABLE WARNING SURFACES SHALL BE RECESSED INTO CONCRETE SIDEWALK TO INSURE FINISHED SURFACE IS FLUSH WITH FINISHED SURFACE OF CONCRETE SIDEWALK.
  8. DETECTABLE WARNINGS (TRUNCATED DOME DETECTABLE WARNINGS) ARE REQUIRED TO HAVE A DARK-ON-LIGHT OR LIGHT-ON-DARK CONTRAST WITH THE SURROUNDING CONCRETE. DARK GRAY SHALL BE THE COLOR USED ON THE DETECTABLE WARNING PORTION OF THE CURB RAMP WHEN APPLIED TO A CURB RAMP THAT IS MIAMI BEACH RED IN COLOR. THE COLOR OF THE DETECTABLE WARNINGS SHALL BE INTEGRAL WITH THE DEVICE MATERIAL. CONTRACTOR SHALL COORDINATE WITH THE CITY OF MIAMI BEACH PUBLIC WORKS DEPARTMENT FOR APPROPRIATE COLOR & CONTRAST.

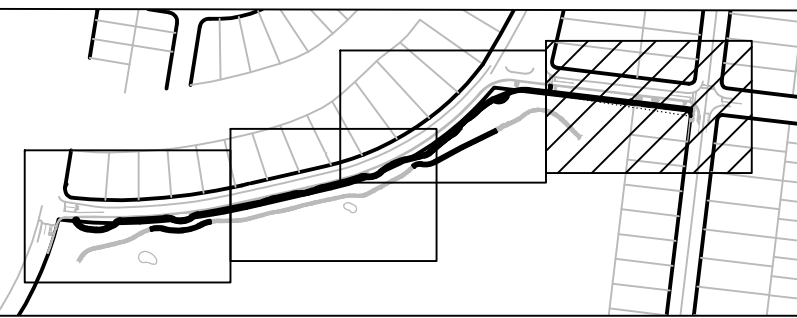


### DETECTABLE WARNING DETAIL

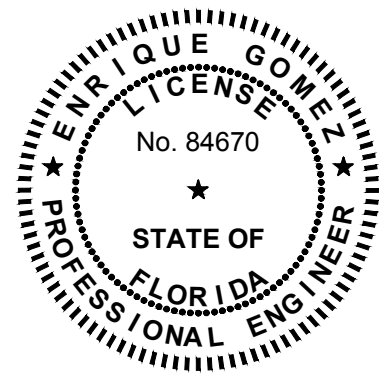
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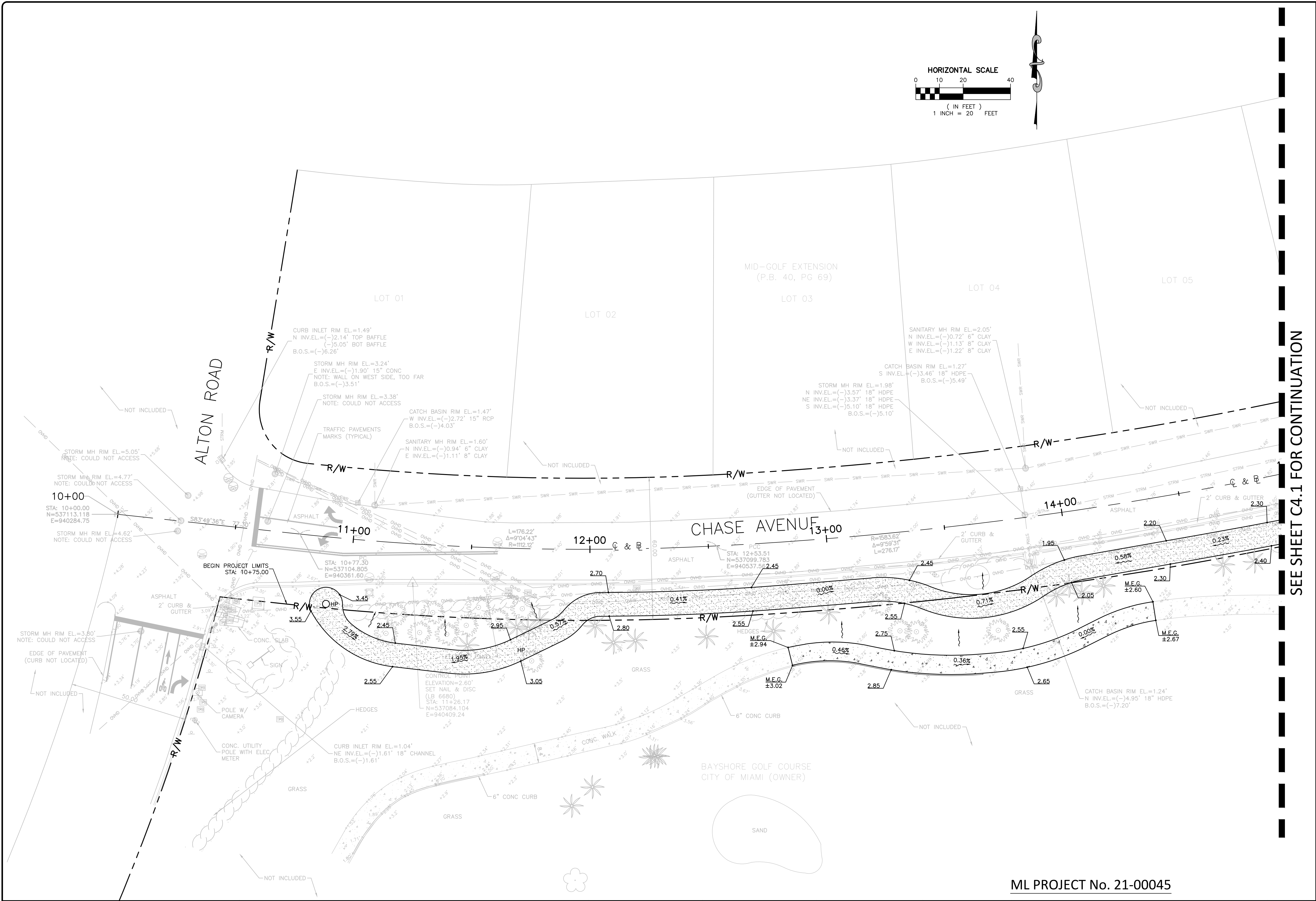
APPROVED: ENRIQUE GOMEZ, P.E.  
FLA. REGISTRATION NO. 84670 DATE: 3/3/2022

ML PROJECT No. 21-00045







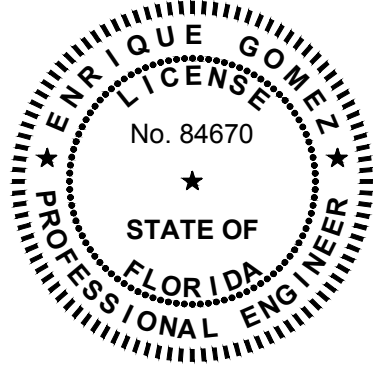


SEE SHEET C4.1 FOR CONTINUATION

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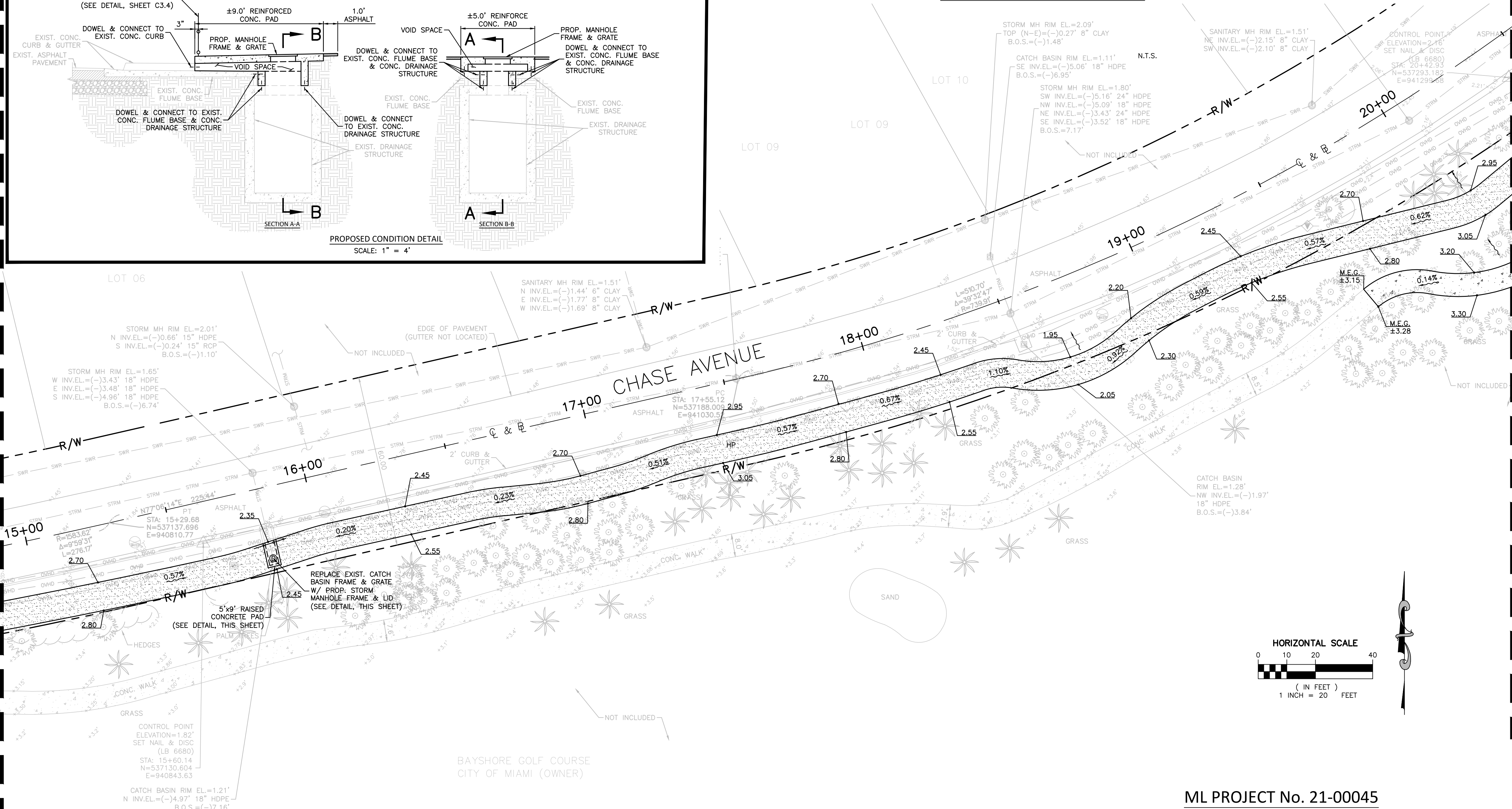
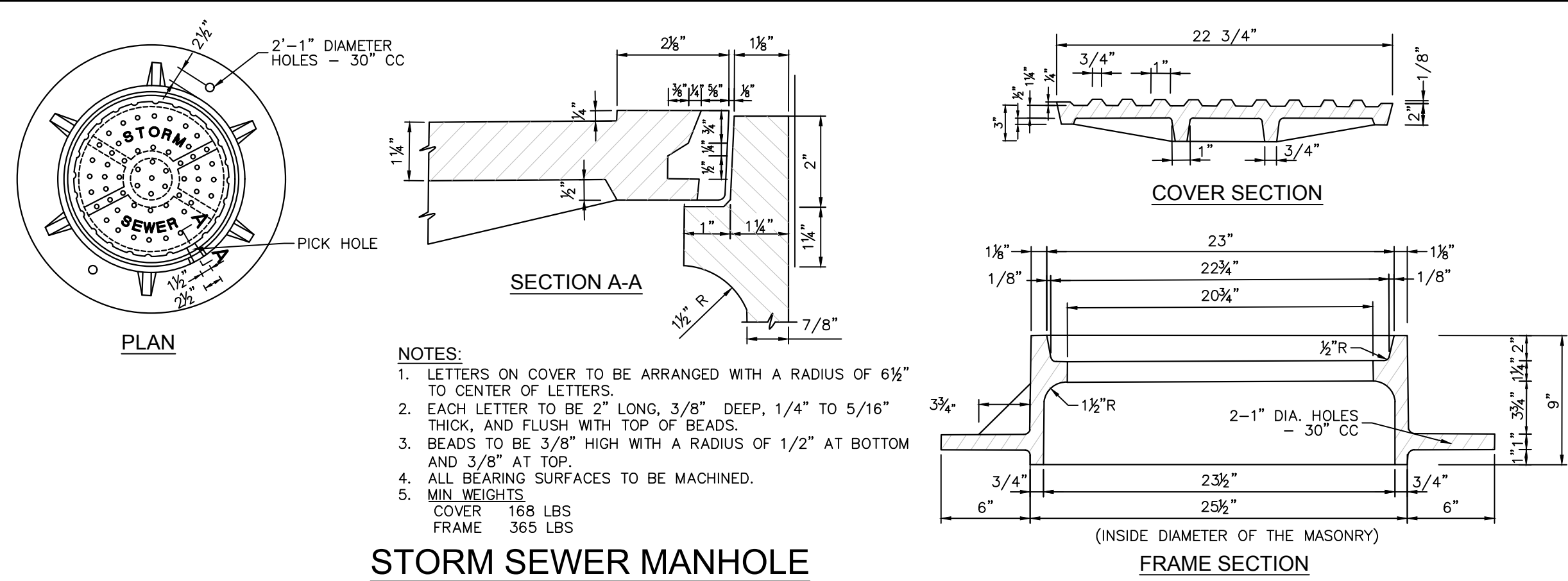
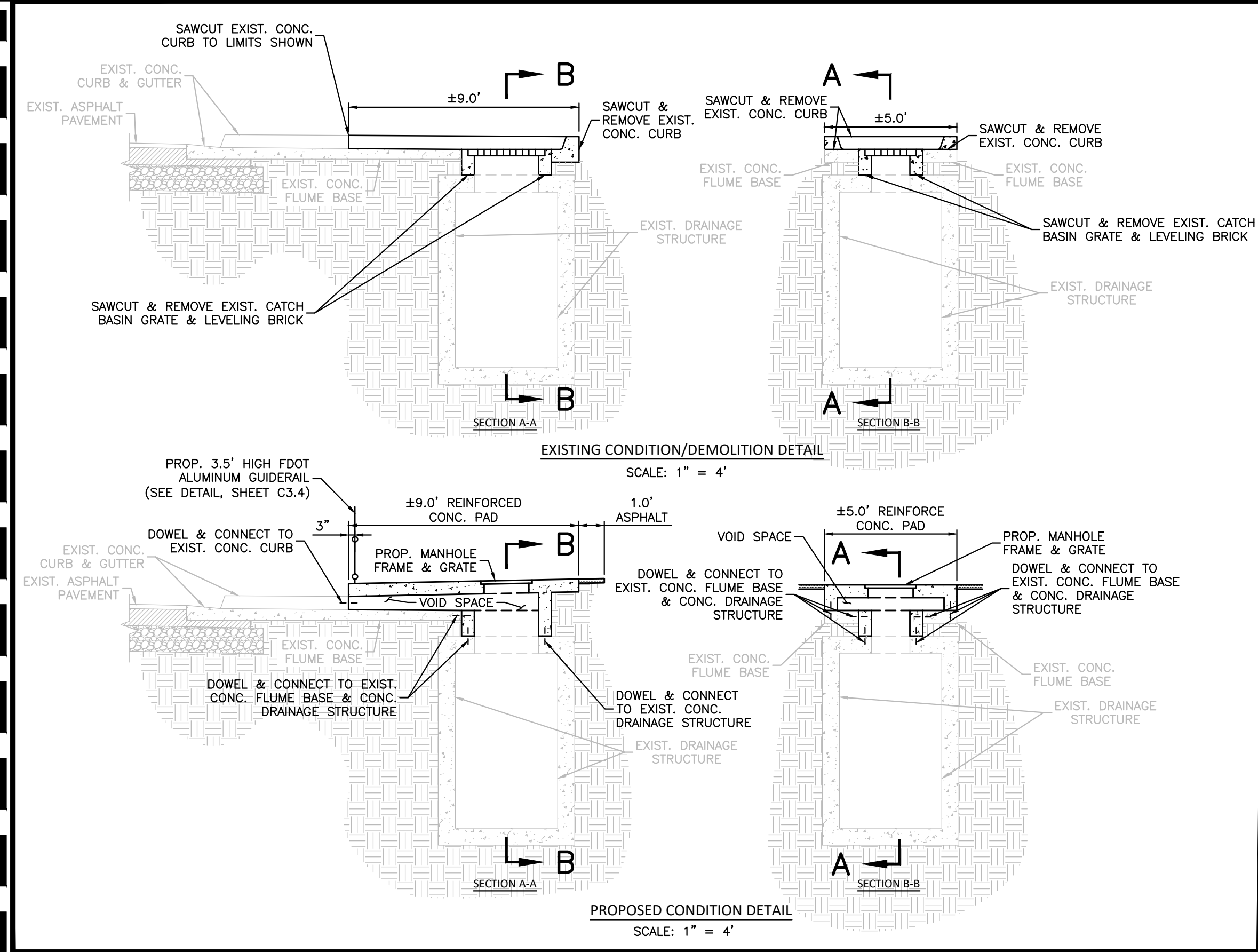
APPROVED: ENRIQUE GOMEZ, P.E.  
FLA. REGISTRATION NO. 84670 DATE: 3/3/2022

ML PROJECT No. 21-00045

<div><div>MIAMI BEACH</div><div>OFFICE OF CAPITAL IMPROVEMENT PROJECTS</div><div>1701 MERIDIAN AVENUE, MIAMI BEACH, FL 33139</div></div>	PROJECT: CHASE AVENUE AND W 34TH STREET PATH	<div><div>SUB-CONSULTANT</div><div><div>MILLER</div><div>LEGG</div></div><div>Miami-Dade Office: 1845 NW 112 Avenue, Suite 211 Sweetwater, Florida 33172 305-599-6381   Fax: 305-599-2797 www.millerlegg.com Certificates of Authorization: EB7318, LB6680, LC0337</div></div>	LA OF RECORD: CMJ	LANDSCAPE ARCHITECT OF RECORD:	5				Drawing Title:	Drawing No.: C4.0
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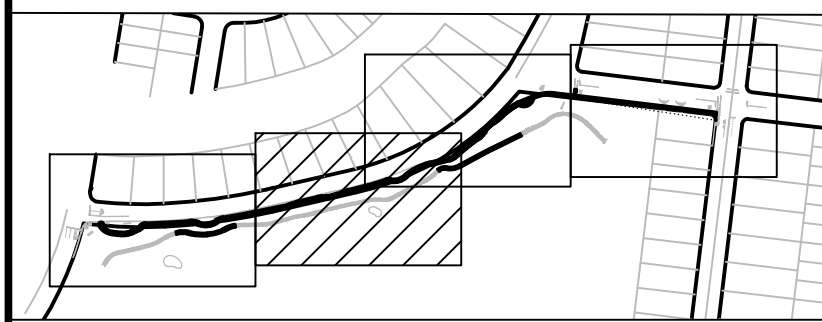


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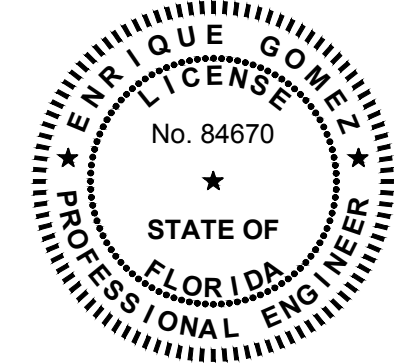


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APPROVED: ENRIQUE GOMEZ, P.E.  
FLA. REGISTRATION NO. 84670 DATE: 3/3/2022

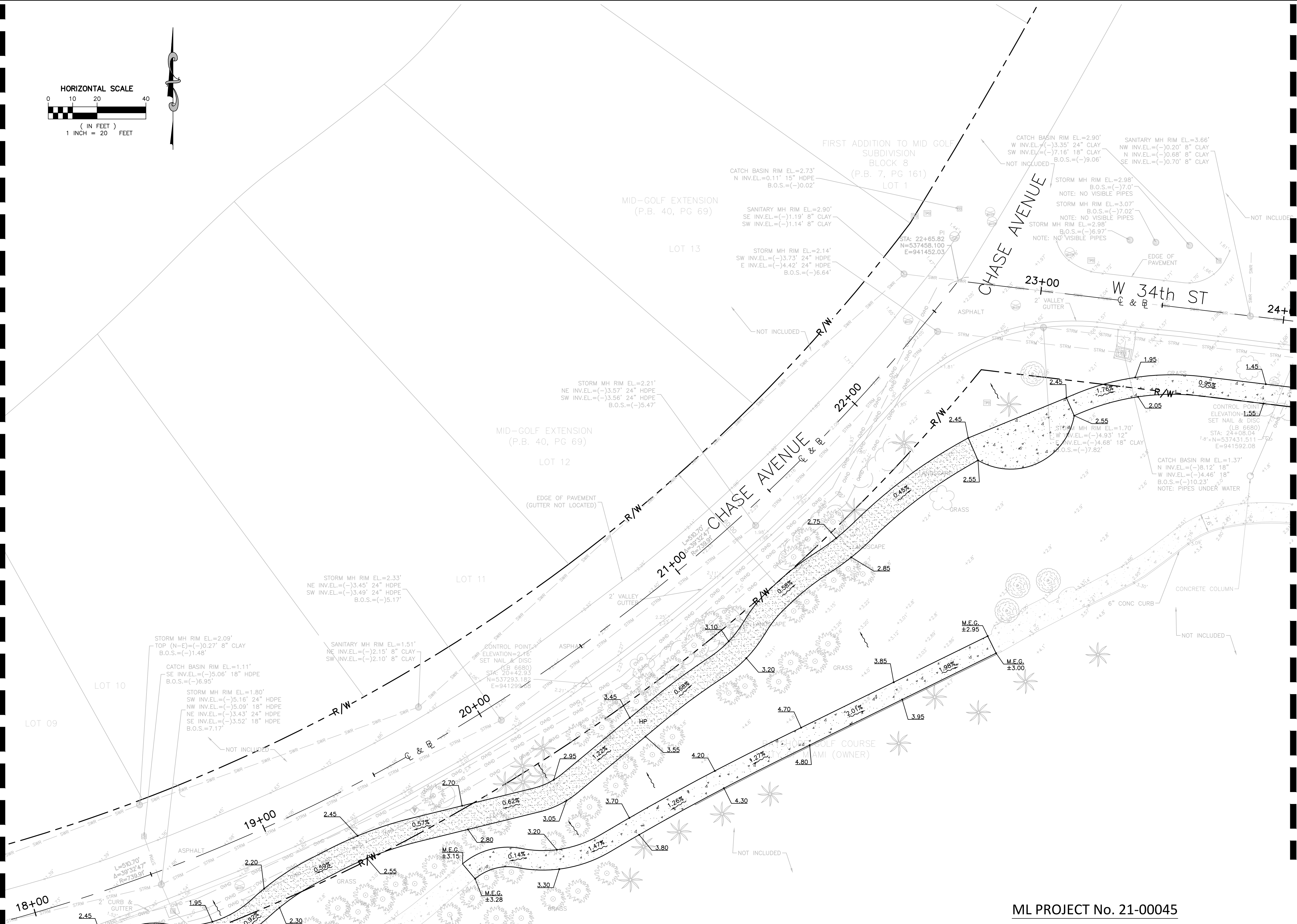
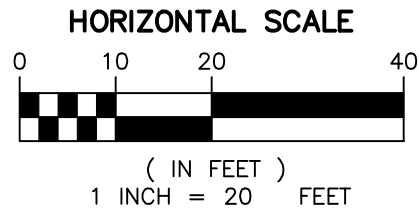
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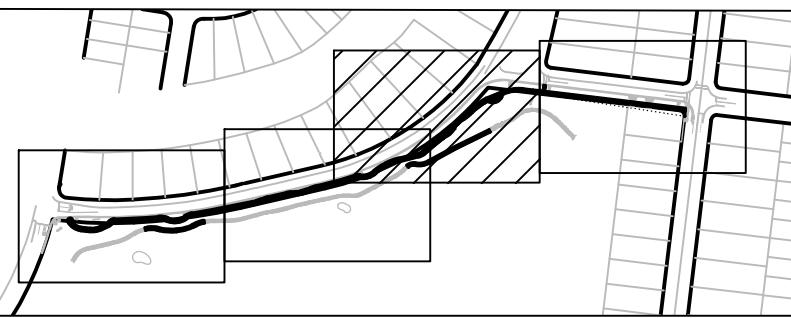


SEE SHEET C4.1 FOR CONTINUATION

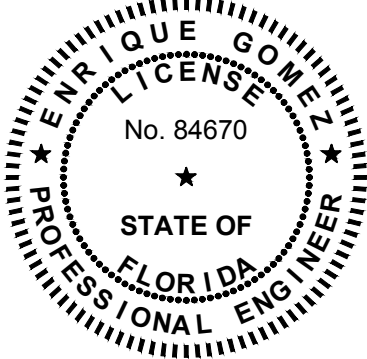
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KEY PLAN (NOT TO SCALE):



SEAL:



APPROVED: ENRIQUE GOMEZ, P.E.  
FLA. REGISTRATION NO. 84670 DATE 3/3/2022

ML PROJECT No. 21-00045

**MIAMI BEACH**  
OFFICE OF CAPITAL IMPROVEMENT PROJECTS  
1701 MERIDIAN AVENUE, MIAMI BEACH, FL 33139

PROJECT: CHASE AVENUE AND W 34TH STREET PATH  
ADDRESS: CITY OF MIAMI BEACH, FL

SUB-CONSULTANT  
**MILLER LEGG**  
Miami-Dade Office: 1845 NW 112 Avenue, Suite 211  
Sweetwater, Florida 33172  
305-599-6381 | Fax: 305-599-2797  
www.millerlegg.com  
Certificate of Authorization: EB7918, LB6680, LC0337

LA OF RECORD: CMJ  
DESIGN LA: CMJ  
DRAWN BY: AP  
CHECKER: CMJ  
SCALE: AS SHOWN

LANDSCAPE ARCHITECT  
OF RECORD:  
CASTO MIGUEL JUNCAL  
NO.6667184

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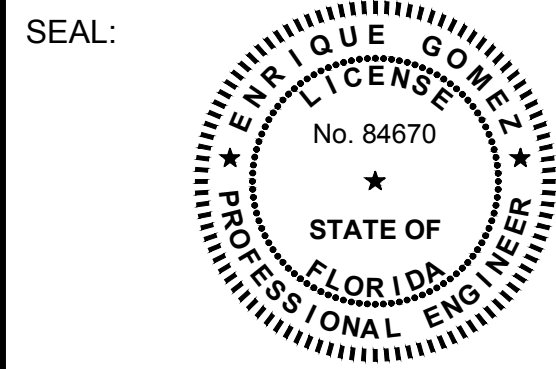
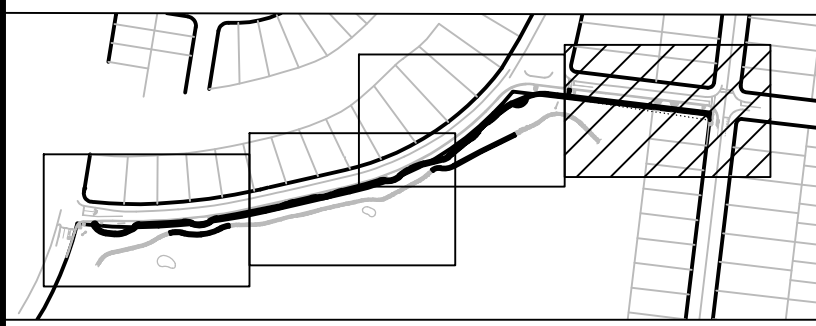
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FLA. REGISTRATION NO. 84670 DATE: 3/3/2022

ML PROJECT No. 21-00045

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LA OF RECORD: CMJ  
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DRAWN BY: AP  
CHECKER: CMJ  
SCALE: AS SHOWN

LANDSCAPE ARCHITECT  
OF RECORD:  
CASTO MIGUEL JUNCAL  
NO.6667184

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