



ARCHITECT/CLIENT

CIVIL ENGINEER

LANDSCAPE ARCHITECT

SURVEYOR

PERIMETER SURVEYING & MAPPING
947 CLINT MOORE ROAD
BOCA RATON, FL 33487
PHONE: (561) 241-9988
CONTACT: JEFF S. HODAPP, PLS

PROJECT LOCATION

VICINITY MAP
NOT TO SCALE
SECTION: 19 TOWNSHIP: 46S RANGE: 43E

CONGRESS AVE.

I-95

NORTH

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Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

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

Kimley»»Horn

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COVER SHEET

COLLIER CAR
CLUB
PREPARED FOR
DLR GROUP, INC.

SHEET NUMBER
C0.00

Plotted By: Yoma Sheet: COLLIER CAR CL Layout: CO.00 COVER SHEET February 18, 2019 12:55:01pm Client: bcd civil\48876001 - ccc deirly beach CADD plansheets CO.00 COVER.dwg
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Plotted By: Y. Yomol Sheet: Set: COLLIER CAR CLUB Layout: C0.01 GENERAL NOTES February 18, 2019 12:55:03pm K:\bld-dwg\148876001 - ccc.dcity.beach\CADD\plansheets\C0.00 COVER.dwg
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GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION), AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH 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.
3. 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 2 WORKING DAYS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR MUST CALL THE UTILITY COMPANIES BEFORE COMMENCING WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
6. 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 THE ENGINEER.
7. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND ENGINEER DIRECTLY FROM THE TESTING AGENCY.
8. 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 THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTOR'S RESPONSIBILITY.
9. 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 OWNER 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.
10. 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.
11. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ALL QUANTITIES, TAKE-OFF MEASUREMENTS, MATERIALS, ETC. DURING THE BID PROCESS WHEN DISCREPANCIES OCCUR, THE PHYSICAL PLAN TAKES PRECEDENCE. THE ENGINEER, LANDSCAPE ARCHITECT, COUNTY, CITY OR PROJECT MANAGERS ARE NOT TO BE HELD RESPONSIBLE FOR DISCREPANCIES TO THE SPECIFICATIONS OR PLANS.
12. THE CONTRACTOR SHALL LIMIT CONSTRUCTION OPERATIONS TO WITHIN THE LIMITS OF CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY DAMAGES OUTSIDE THE LIMITS OF CONSTRUCTION.
13. CONTRACTOR IS ADVISED THAT THE U.S. ENVIRONMENTAL PROTECTION AGENCY REQUIRES THAT ALL OPERATORS FILE A NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NPDES GENERAL PERMIT PRIOR TO BEGINNING WORK. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN THE SAME. A COPY SHALL BE SENT TO THE ENGINEER OF RECORD, ARCHITECT OF RECORD AND THE OWNER.
14. FLORIDA LAW (F.S. 553.851) PROTECTION OF UNDERGROUND PIPELINES MANDATES THAT "NO EXCAVATOR SHALL COMMENCE OR PERFORM ANY EXCAVATION WITHOUT FIRST OBTAINING INFORMATION CONCERNING THE POSSIBLE LOCATION OF GAS PIPELINES IN THE AREA OF PROPOSED EXCAVATION." THE EXCAVATOR MUST NOTIFY THE GAS UTILITY A MINIMUM OF 2 WORKING DAYS AND A MAXIMUM OF 5 WORKING DAYS PRIOR TO EXCAVATION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE LOCAL ELECTRICAL PROVIDER ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL PLANS RELATED TO SITE WORK INCLUDING (BUT NOT LIMITED TO) LANDSCAPE, IRRIGATION, SITE LIGHTING, BUILDING FOUNDATION, PLUMBING, FIRE SPRINKLER, AND OTHER APPLICABLE PLANS FOR CONFLICTING INFORMATION AND ALERT OWNER'S REPRESENTATIVE OF ANY CONFLICT FOR RESOLUTION.
17. CONTRACTOR SHALL VERIFY LOCATION OF ALL IRRIGATION, STREET LIGHTING, AND ELECTRICAL CONDUIT THAT WILL BE IN CONFLICT WITH ANY PROPOSED CONSTRUCTION AND SHALL RESOLVE CONFLICT ACCORDINGLY. COST OF CONFLICT RESOLUTION SHALL BE INCLUDED IN THE BID.
18. ANY DEBRIS RESULTING FROM STRIPPING AND DEMOLITION OPERATIONS SHALL BE REMOVED FROM THE SITE AT FREQUENT INTERVALS TO PREVENT THIS MATERIAL FROM ACCUMULATING ON SITE.
19. UPON REMOVAL OF TREES, SHRUBS OR ANY STUMP GRINDING, NO ROOT GREATER THAN THREE INCHES IN DIAMETER SHALL REMAIN WITHIN FIVE FEET OF AN UNDERGROUND STRUCTURE OR UTILITY LINE OR UNDER SLABS OR FOOTINGS OR PAVED AREAS.
20. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.
21. THE CONTRACTOR SHALL ENSURE THAT ANY TREE OR SHRUB PLACED WITHIN WATER, SEWER OR DRAINAGE EASEMENTS SHALL CONFORM TO THE CITY OF DELRAY BEACH STANDARD DETAILS

PRECONSTRUCTION RESPONSIBILITIES

1. UPON RECEIPT OF NOTICE OF AWARD, THE CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, ALL AFFECTED UTILITY OWNERS, THE OWNER, THE ENGINEER AND ITSELF.
2. THE CONTRACTOR SHALL CONTACT 'SUNSHINE STATE ONE CALL OF FLORIDA, INC. (811)' AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING ANY EXCAVATION.
3. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.
4. 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.
5. IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS; THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.

CONSTRUCTION SAFETY

ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE STRICTLY OBSERVED.

EROSION CONTROL NOTES

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THIS EROSION AND SEDIMENTATION CONTROL PLAN, THE STANDARD DETAILS, AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS PROVIDED BY THE CONTRACTOR.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.
5. EROSION AND SEDIMENTATION CONTROL PLAN MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
7. 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 LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
9. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
10. 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.
11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
12. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED.
13. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED. THESE AREAS SHALL BE STABILIZED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED.
14. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES 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.
15. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
17. 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 EROSION AND SEDIMENTATION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
18. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
19. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES AS NECESSARY AS CONSTRUCTION PROGRESSES (SILT FENCES, ETC.) TO PREVENT EROSION.
20. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
21. EROSION AND SEDIMENTATION CONTROL PLANS PROVIDED HEREIN ARE A GUIDELINE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING THE FINAL STORM WATER POLLUTION PREVENTION PLAN. THE PLAN SHALL BE SUBMITTED TO THE OWNER AND ENGINEER WHICH DEMONSTRATES THE MECHANISMS AND PRACTICES THAT WILL BE EMPLOYED TO PROTECT THE CONSTRUCTION SITE AND SURROUNDING AREA DURING CONSTRUCTION. THE PLAN SHALL BE CONSENTANT WITH FEDERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES PERMIT REQUIREMENTS PERTAINING TO POLLUTION PREVENTION PLANS. THE PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO, THE LOCATIONS OF SILT BARRIERS, TURBIDITY SCREENS OR TEMPORARY SHEETING, EMERGENCY RESPONSE PRACTICES, AND OTHER METHODS TO PREVENT POLLUTION, REFUELING OR STORAGE OF VEHICLES OR EQUIPMENT THAT UTILIZE PETROLEUM BASED PRODUCTS SHALL BE PROHIBITED ANYWHERE WITHIN 50 FEET OF A WATER'S EDGE. THE PLAN SHALL BE SUBMITTED TO THE OWNER AFTER NOTICE OF AWARD AND PRIOR TO NOTICE TO PROCEED. AFTER REVIEW BY OWNER THE PLAN SHALL BE FILED WITH ALL APPLICABLE REGULATORY AGENCIES BY THE CONTRACTOR. REFER TO FURTHER NOTES AND DETAILS WITHIN THESE DOCUMENTS.
22. SILT FENCE IS REQUIRED AS SHOWN ON THE PLANS AND ANYWHERE ADDITIONAL AS REQUIRED BY CONSTRUCTION. SILT FENCE IS NOT APPLICABLE IN PAVEMENT AREAS. LIMITS OF CONSTRUCTION SHOWN ARE DIAGRAMATIC. CONTRACTOR TO PROVIDE PLAN FOR SHOP DRAWING REVIEW.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

DEMOLITION NOTES

1. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
2. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
3. THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN AND LANDSCAPE PLAN FOR DEMOLITION/PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION. CONTRACTOR TO SEE LANDSCAPE PLAN FOR TREE PROTECTION REQUIREMENTS. ALL TREES TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR TO NOTE EXISTING TREES TO REMAIN. SHOULD ANY TREE TO BE REMAIN BE DAMAGED BY THE CONTRACTOR, IT WILL REQUIRE REPLACEMENT IN KIND.

TRENCH SAFETY ACT

1. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.
2. WHERE EXCAVATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5') ARE REQUIRED. THE CONTRACTOR SHALL INCLUDE THE FOLLOWING INFORMATION IN THE BID:
 - A. A REFERENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.
 - B. WRITTEN ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXCACTION THAT SUCH CONTRACTOR WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
 - C. A SEPARATE ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
3. WHEN A BID IS NOT SUBMITTED, THE CONTRACTOR SHALL SUBMIT THE INFORMATION LISTED IN ITEM "2" TO THE ENGINEER PRIOR TO STARTING WORK.

SURVEY DATA

1. THE CONTRACTOR SHALL PROTECT ALL PERMANENT REFERENCE MONUMENTS AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO SURVEY MAKERS DURING CONSTRUCTION. ANY SURVEY MARKERS DAMAGED DURING CONSTRUCTION WILL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
2. BENCHMARK LOCATION AND ELEVATION ARE AS REPRESENTED BY SURVEYOR AT THE TIME OF SURVEY. CONTRACTOR SHALL VERIFY ITS CORRECTNESS AT TIME OF CONSTRUCTION.
3. ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88).

INTERRUPTION OF EXISTING UTILITIES

ANY CONSTRUCTION WORK THAT REQUIRES INTERRUPTION OF SERVICE TO ANY CUSTOMER SHALL BE DONE SO WITH A MINIMUM OF SEVENTY-TWO (72) HOUR NOTICE TO, AND WRITTEN APPROVAL BY THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL ARRANGE A MEETING WITH THE LOCAL JURISDICTIONAL AGENCIES AND OTHER GOVERNING AGENCIES, AND OTHER AFFECTED UTILITIES PRIOR TO SCHEDULING THE SHUTDOWN TO ASSESS THE SCOPE OF WORK. ALL SYSTEM SHUT DOWNS SHALL BE SCHEDULED BY THE CONTRACTOR AT SUCH TIME THAT SYSTEM DEMAND IS LOW. THIS GENERALLY REQUIRES NIGHT TIME WORK BY THE CONTRACTOR AND REQUIRES FULL TIME INSPECTION BY A REPRESENTATIVE OF THE UTILITY. ALL COST FOR OVERTIME WORK BY THE REPRESENTATIVE OF THE UTILITY SHALL BE BORNE BY THE CONTRACTOR. EACH CUSTOMER AFFECTED BY THE SHUT DOWN SHALL BE PROVIDED, MINIMUM, FORTY-EIGHT (48) HOURS WRITTEN NOTIFICATION BY THE CONTRACTOR.

PAVING, GRADING AND DRAINAGE NOTES

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL COUNTY OR STATE SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS, WHICHEVER IS MOST RESTRICTIVE.
2. ALL UNPAVED AREAS DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED, UNLESS OTHERWISE NOTED.
3. TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
5. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED WITH BAHIA SOD UNLESS INDICATED OTHERWISE ON THE ENGINEERING OR LANDSCAPE PLANS.
6. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.
7. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
8. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
9. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
10. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE ENGINEER PRIOR TO ANY EXCAVATION.
11. CONTRACTOR TO STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.
12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
13. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED, AND MAINTAINED UNTIL A GOOD STAND OF GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
14. ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
15. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.

UTILITIES

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 HE COMMENCES 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 PRESERVE ANY AND ALL UNDERGROUND 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, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

MAINTENANCE

1. ALL MEASURES STATED ON THE EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER 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 ONCE 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:
2. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION. INLET PROTECTION DEVICES SHALL BE CLEANED OUT AT REGULAR INTERVALS OR AS THEY BECOME FULL OF DEBRIS.
3. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDD AS NEEDED.
4. 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.
5. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
6. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

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WWW.KIMLEY-HORN.COM CA 00000696

LICENSED PROFESSIONAL

JASON A. WEBBER, P.E.

FLORIDA LICENSE NUMBER 73962

KHA PROJECT 148876001

DATE FEB 2019

SCALE AS SHOWN

DESIGNED BY YXY

DRAWN BY YXY

CHECKED BY JAW

GENERAL NOTES

COLLIER CAR CLUB

PREPARED FOR

DLR GROUP, INC.

FLORIDA DELRAY BEACH

SHEET NUMBER C0.01

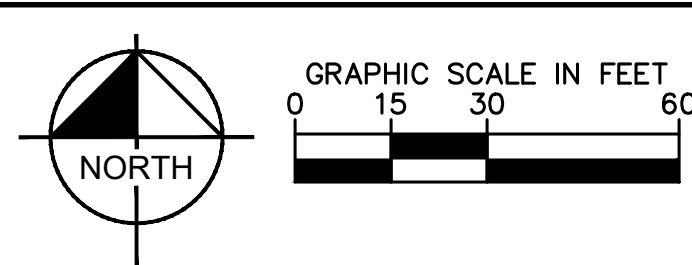
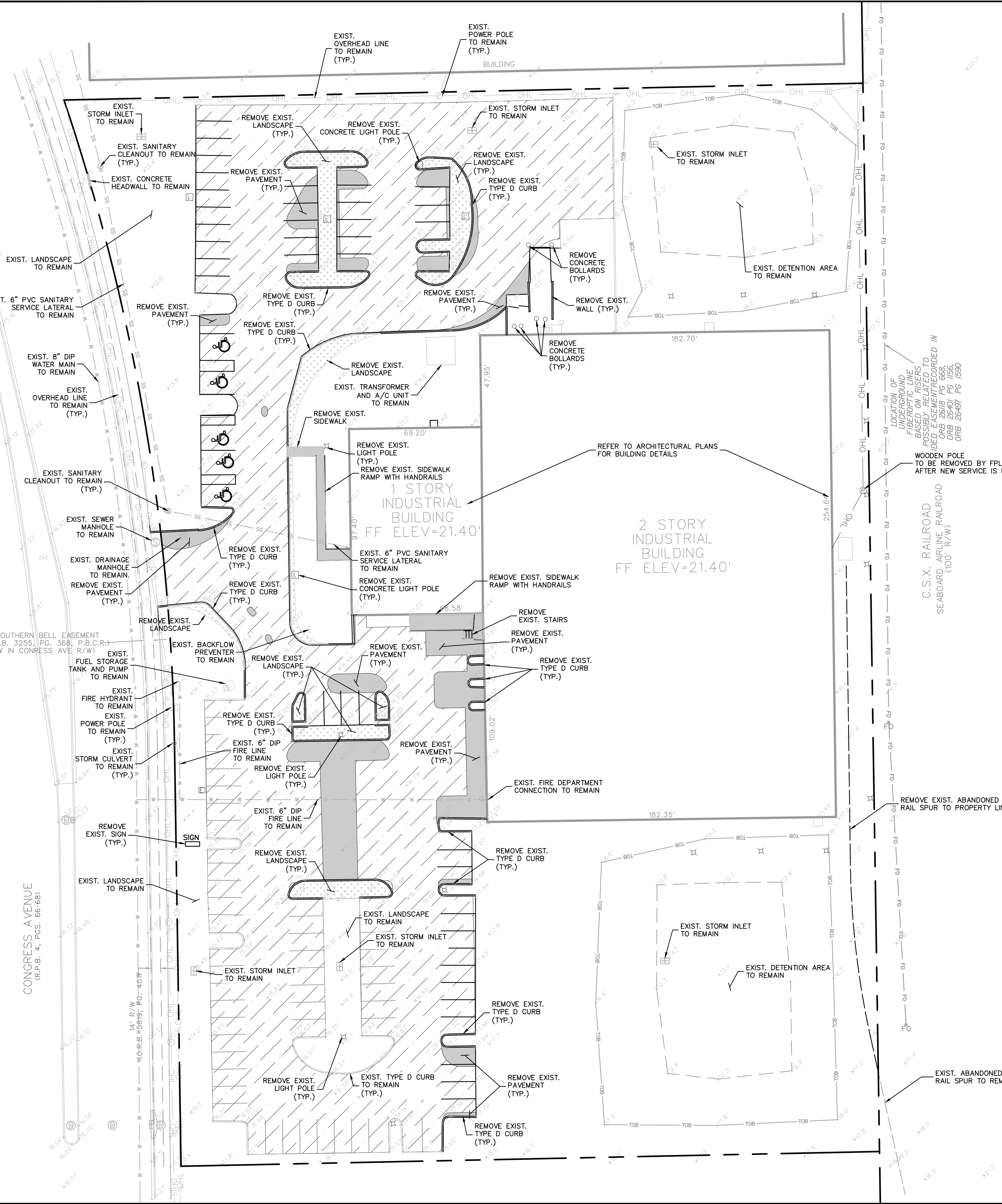
PLANS ARE IN NAVD 1988 DATUM
CONVERSION EQUATION IS BELOW:
(NAVD 1988) + 1.53' = (NGVD 1929)

Always call 811 two full business days before you dig to
have underground utilities located and marked.

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

Plotted By: Y. Yomol Sheet: Set: COLLIER CAR CLUB Layout: C2.00 DEMOLITION PLAN February 18, 2019 12:55:11pm K:\3rd civil\148576001 - ccc delray beach CADD\plansheets\C2.00 DEMOLITION PLAN.dwg
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DEMOLITION NOTES

1. ANY ITEMS TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO THE EXISTING CONDITION OR BETTER AT THE CONTRACTOR'S EXPENSE.
2. REFER TO LANDSCAPE PLANS FOR TREE REMOVAL, RELOCATION, AND PROTECTION INFORMATION. ANY AREAS FOR LANDSCAPING SHALL HAVE ALL BASE AND SUBGRADE MATERIAL REMOVED TO A DEPTH OF 3 FEET.
3. ALL VALVE BOXES, MANHOLES, CATCH BASINS, AND OTHER ITEMS TO REMAIN SHALL BE ADJUSTED TO PROPOSED GRADE.
4. THE INTENT OF THE DEMOLITION PLAN IS TO DEPICT EXISTING FEATURES THAT ENCUMBER THE PROPOSED CONSTRUCTION AREA AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLAN. THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
5. THIS DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY.
6. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION AND DEWATERING PERMITS, IF APPLICABLE.
7. ALL FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE.
8. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS DELINEATED ON THE CONSTRUCTION DRAWINGS UNLESS OTHERWISE DIRECTED BY THE DEVELOPER OR AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
9. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
10. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
11. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
12. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS TO BE PROTECTED IN PAVEMENT REMOVAL AREAS, CONTRACTOR SHALL REPLACE DAMAGED STRUCTURES AT THEIR EXPENSE.
13. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. AS APPROVED BY THE CITY OF DELRAY BEACH AND CONSTRUCTION MANAGER.
14. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF EXISTING FACILITIES AND CONSTRUCTION OF NEW FACILITIES. SIGNAGE SHALL BE POSTED TO DIRECT THE PUBLIC TO THE PATH OF TRAVEL.
15. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
16. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
17. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.
18. CONTRACTOR MUST COORDINATE THE LIMITS OF UTILITY DEMOLITION WITH PROPOSED PLANS.

LEGEND

---	---	PROPERTY LINE
SS	SS	EXISTING SANITARY LINE
UE	UE	EXISTING UNDERGROUND ELECTRICAL
W	W	EXISTING WATER
STRM	STRM	EXISTING STORM
G	G	EXISTING GAS
T	T	EXISTING TELEPHONE
OHL	OHL	EXISTING OVERHEAD ELECTRIC
		EXISTING LANDSCAPE
		EXISTING LIGHT POLES
SS	SS	EXISTING SEWER TO BE DEMOLISHED
W	W	EXISTING WATER TO BE DEMOLISHED
		EXISTING STORM TO BE DEMOLISHED
UE	UE	EXISTING UNDERGROUND ELECTRICAL TO BE DEMOLISHED
G	G	EXISTING GAS TO BE DEMOLISHED
T	T	EXISTING TELEPHONE TO BE DEMOLISHED
OHL	OHL	EXISTING OVERHEAD ELECTRIC TO BE DEMOLISHED
		EXISTING LANDSCAPE TO BE REMOVED (SEE LANDSCAPE PLANS FOR DETAILS)
		EXISTING LIGHT POLES TO BE REMOVED (SEE PHOTOMETRIC PLANS FOR DETAILS)
		LIMITS OF DEMOLITION REMOVE EXIST. CONCRETE, ASPHALT, AND OTHER IMPROVEMENTS
		MILL AND RESURFACE
		REMOVE EXISTING LANDSCAPE
		EXISTING ELEVATION

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

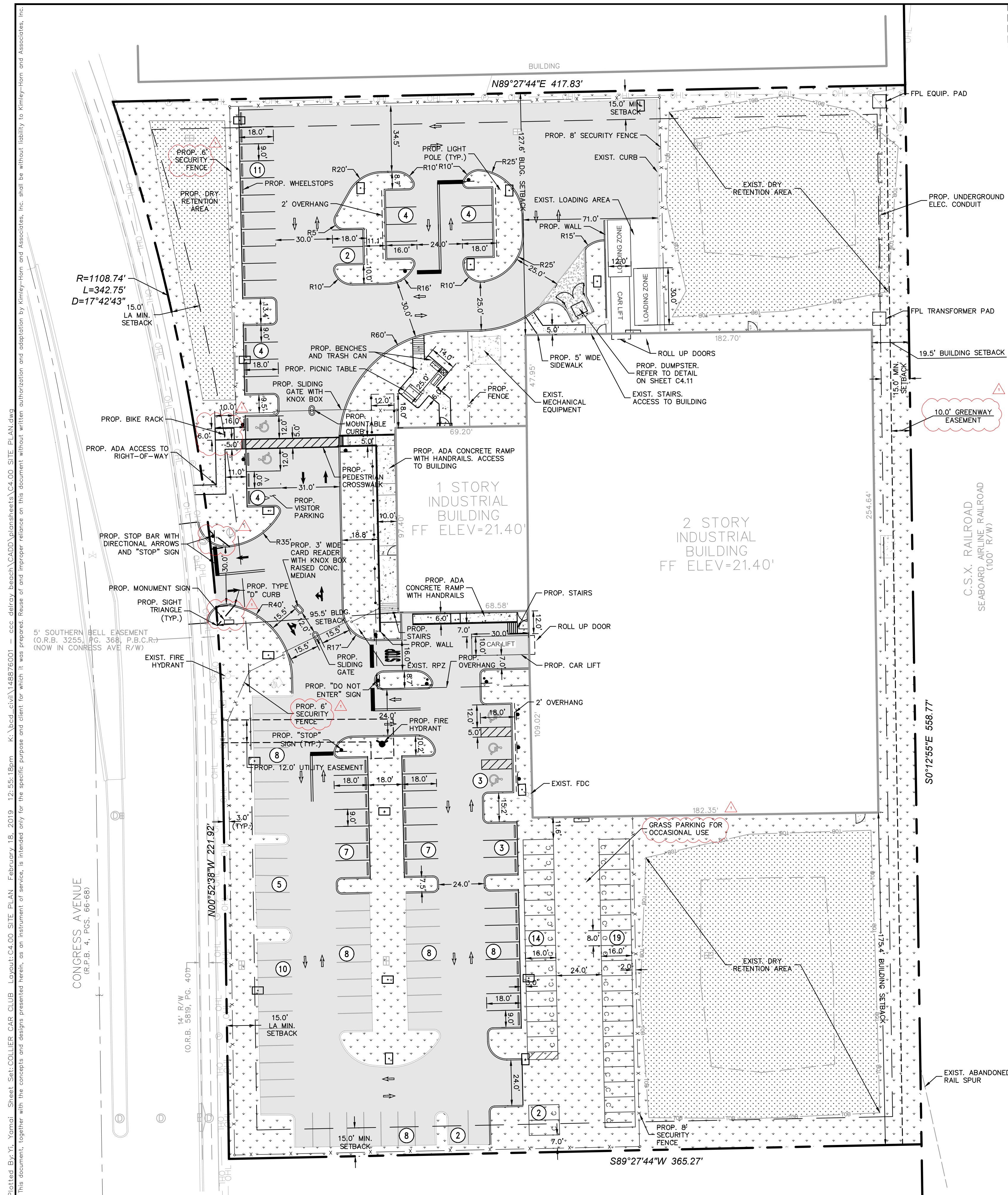
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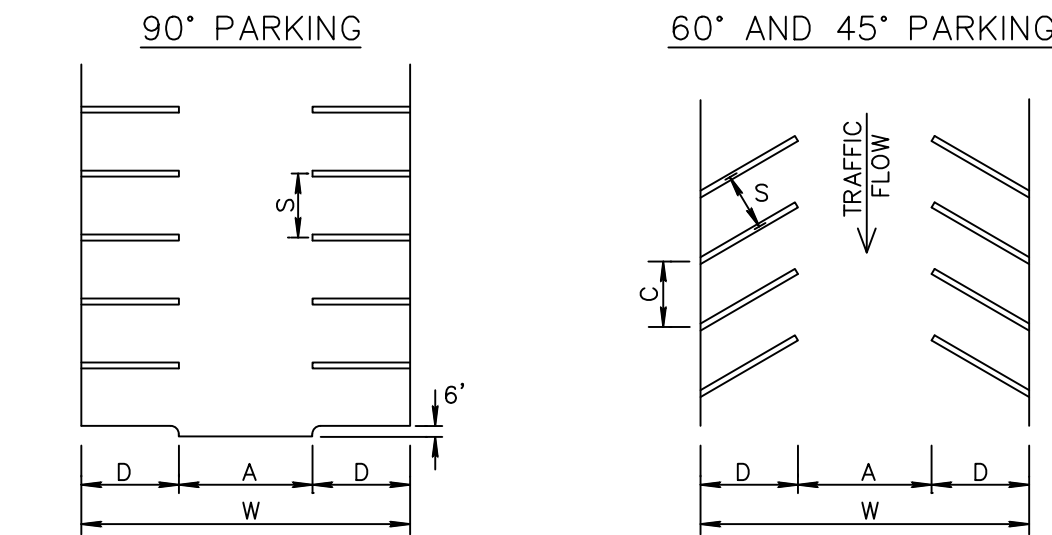
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KVA PROJECT 148876001		DATE FEB 2019		SCALE AS SHOWN		DESIGNED BY YXY		DRAWN BY YXY		CHECKED BY JAW		DATE ---	
LICENSED PROFESSIONAL JASON A. WEBBER, P.E.				FLORIDA LICENSE NUMBER 73962									
COLLIER CAR CLUB PREPARED FOR DLR GROUP, INC.												FLORIDA DELRAY BEACH	
DEMOLITION PLAN												SHEET NUMBER C2.00	
CITY OF DELRAY BEACH COMMENTS #1												REVISIONS	
No.												DATE	
02/15/19												JT	

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[illegible]

Plotted By: Y. Yomai Sheet Set: COLLIER CAR CLUB Layout: C4.10 SITE DETAILS February 18, 2019 12:55:20pm K:\bced_civil\148876001 - ccc delray beach\CADD\plansheets\C4.00 SITE PLAN.dwg
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A	aisle	24.0'
S	stall width	9.0'*
D	stall depth	18.0'
W	module width	60.0'

* COMPACT CAR SPACES - 8.0'
HANDICAP SPACES - 12.0'
SEE RT 4.2

PARALLEL		
C	stall length	22.0'
S	stall width	8.0'

PARKING LOTS DETAIL RT 4.1
NOT TO SCALE

DELRAY

ALL PAVEMENT MARKINGS

All paved surfaces shall be properly marked prior to the hours of darkness.

RAISED PAVEMENT MARKERS

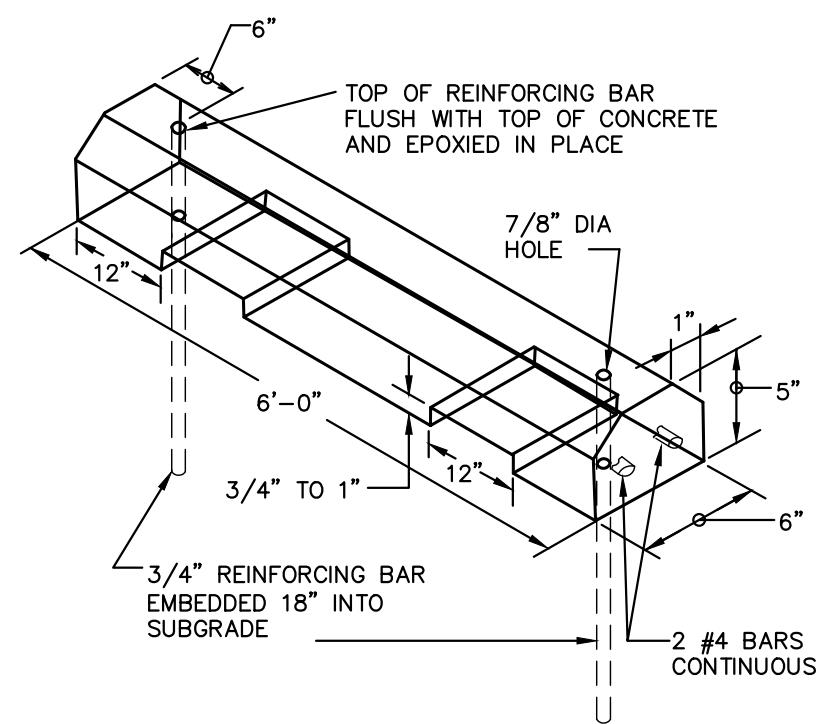
- R.P.M.s shall be installed on all lane lines and centerlines, spaced at 20' or 40'.
- R.P.M.s shall be a 4 x 4 type class "B" marker meeting F.D.O.T. specifications and shall be approved by the City Engineer prior to use.
- R.P.M.'s shall be installed using alkyl thermoplastic on asphalt and epoxy on concrete.

OTHER NOTES

- All Materials within right-of-way shall be thermoplastic and per F.D.O.T. specifications.
- Pavement marking within private parking lots may be painted according to F.D.O.T. specifications, except for all stop bars adjacent to public right-of-way.

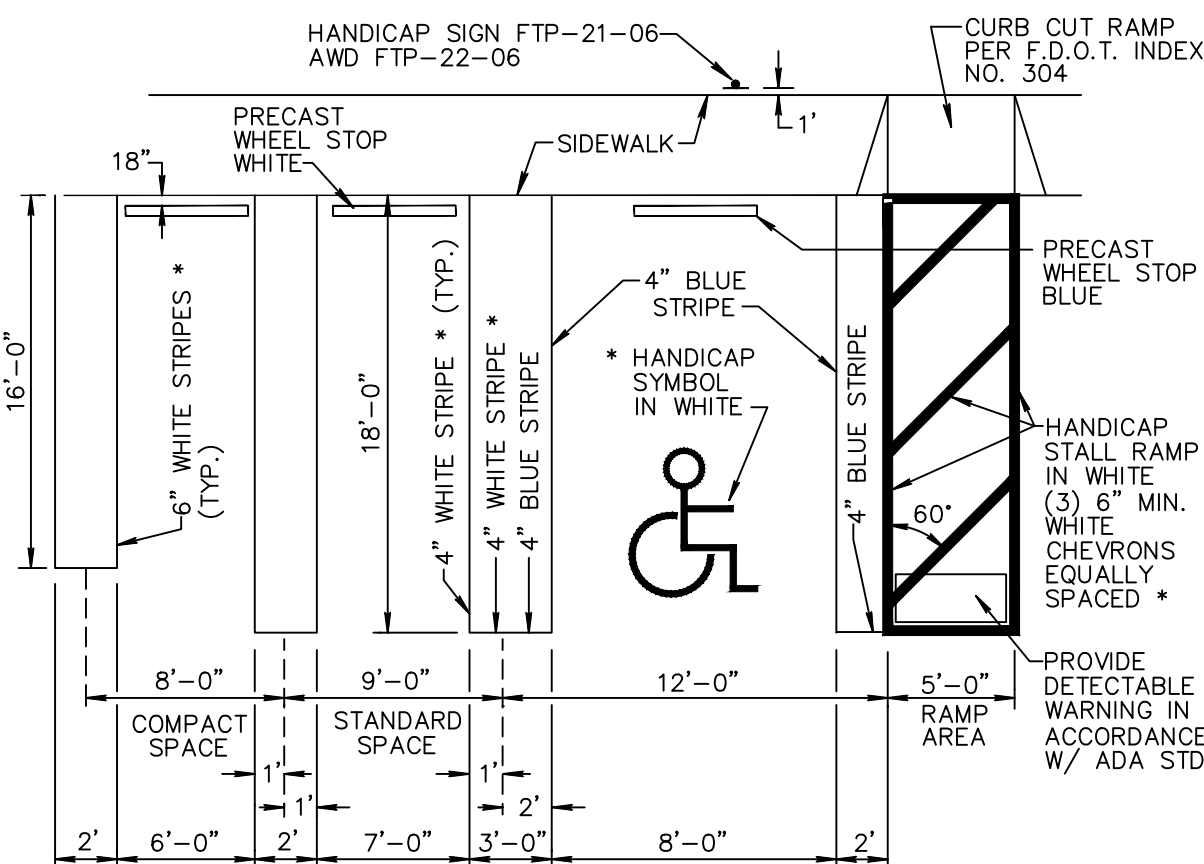
PAVEMENT MARKING SPECIFICATIONS RT 8.1B
NOT TO SCALE

DELRAY



CONCRETE WHEELSTOP
NOT TO SCALE

K-H



* NOTES:

- ON LIGHT COLORED SURFACE I.E. CONCRETE ALL HANDICAP MARKINGS SHALL BE BLUE AND STANDARD PARKING STRIPING SHALL BE 3" WHITE WITH 1" BLACK BORDER.
- ALL STRIPING WITHIN PUBLIC RIGHT-OF-WAY SHALL BE 6 INCHES.
- ALL MEASUREMENTS ARE FROM CENTER LINE.
- ALL COMPACT SPACES MUST HAVE "COMPACT" STENCILLED WITH BLACK PAINT ON WHEEL STOP.
- BLUE STRIPE & H/C SYMBOL AND WALKWAY ON CONCRETE
- YELLOW STRIPE ON CONCRETE
- 24" STOP BAR BETWEEN ALL PARKING LOTS AND PUBLIC R/W SHALL BE THERMOPLASTIC AND PER FDOT SPECIFICATIONS AND STOP SIGN R1-1

TYPICAL PARKING SPACES DETAIL RT 4.2A
NOT TO SCALE

DELRAY

PAVEMENT MARKING SPECIFICATIONS

All Pavement markings to be installed per these typicals, plans and specifications, and as directed by the City Engineer and shall conform to the requirements of F.D.O.T. and the manual on uniform traffic control devices, (MUTCD).

PERMANENT MARKINGS

Installation:

- All markings shall be installed by the extruded method.
- Markings shall be free of weaves, bows, drips, drags, and other degrading items.
- Chalk shall be used for all layout markings

Materials:

- All materials shall be alkyl or hydrocarbon thermoplastic meeting all FDOT specifications.

Thickness:

- All markings shall be installed to yield 90 mils of material measured above the pavement surface.

Spheres:

- Reflective glass spheres are to be applied to all stripes and markings per FDOT specifications.

Alternate Material:

- STAYMARK marking tape, or equivalent may be used, as approved or directed by the City Engineer.

Layout:

- Layout shall be made using marking chalk.
- It is recommended that marking layout be inspected by the City Engineer prior to the placement of final markings.

TEMPORARY MARKINGS

Temporary markings may be used only as specified in this section, or as approved or directed by the City Engineer.

Final Pavement Surface:

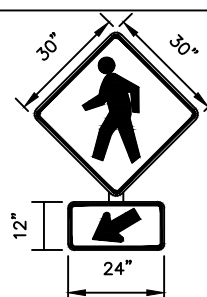
- Only foil backed marking tape is allowed.
- All tape shall be totally removed concurrent with permanent marking placement.

Other Pavement Surfaces:

- Intermediate pavement surfaces may be marked with FDOT approved materials, designs, and specifications.

PAVEMENT MARKING SPECIFICATIONS RT 8.1A
NOT TO SCALE

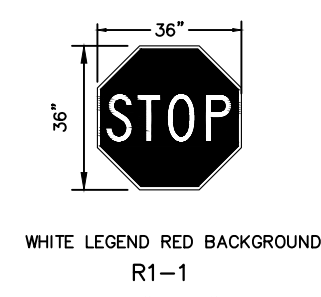
DELRAY



NOTES:

- BOTH SIGNS SHALL BE IN ACCORDANCE WITH THE LATEST MUTCD EDITION, WARNING SIGNS W11-2 (TOP) & W16-7P (BOTTOM) WITH A BLACK LEGEND ON A FLUORESCENT YELLOW-GREEN BACKGROUND

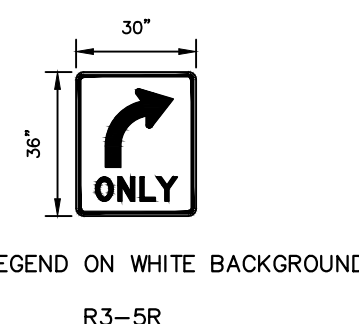
"PEDESTRIAN CROSSING" SIGN
NOT TO SCALE



"STOP" SIGN
NOT TO SCALE



"DO NOT ENTER" SIGN
NOT TO SCALE

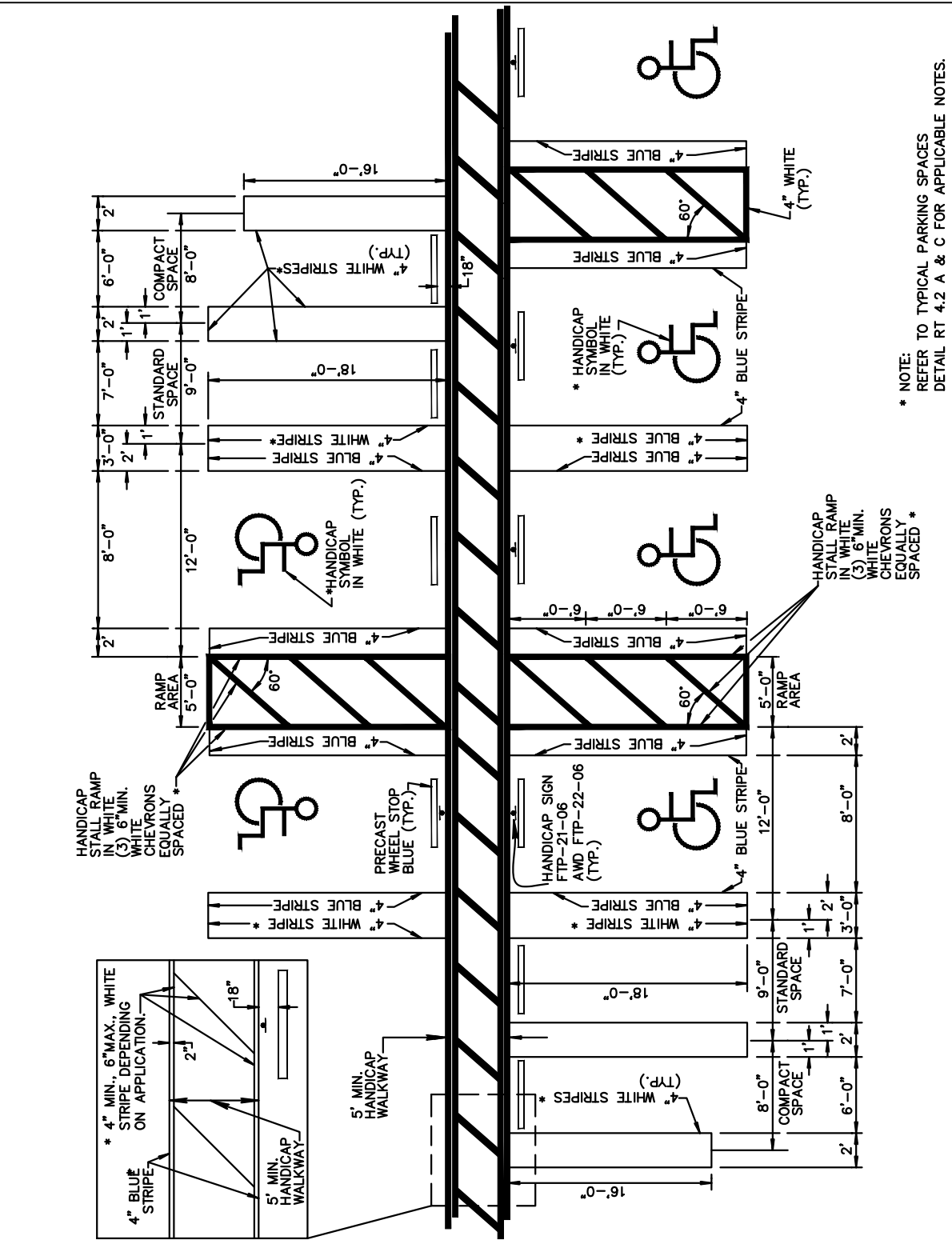


"RIGHT TURN ONLY" SIGN
NOT TO SCALE



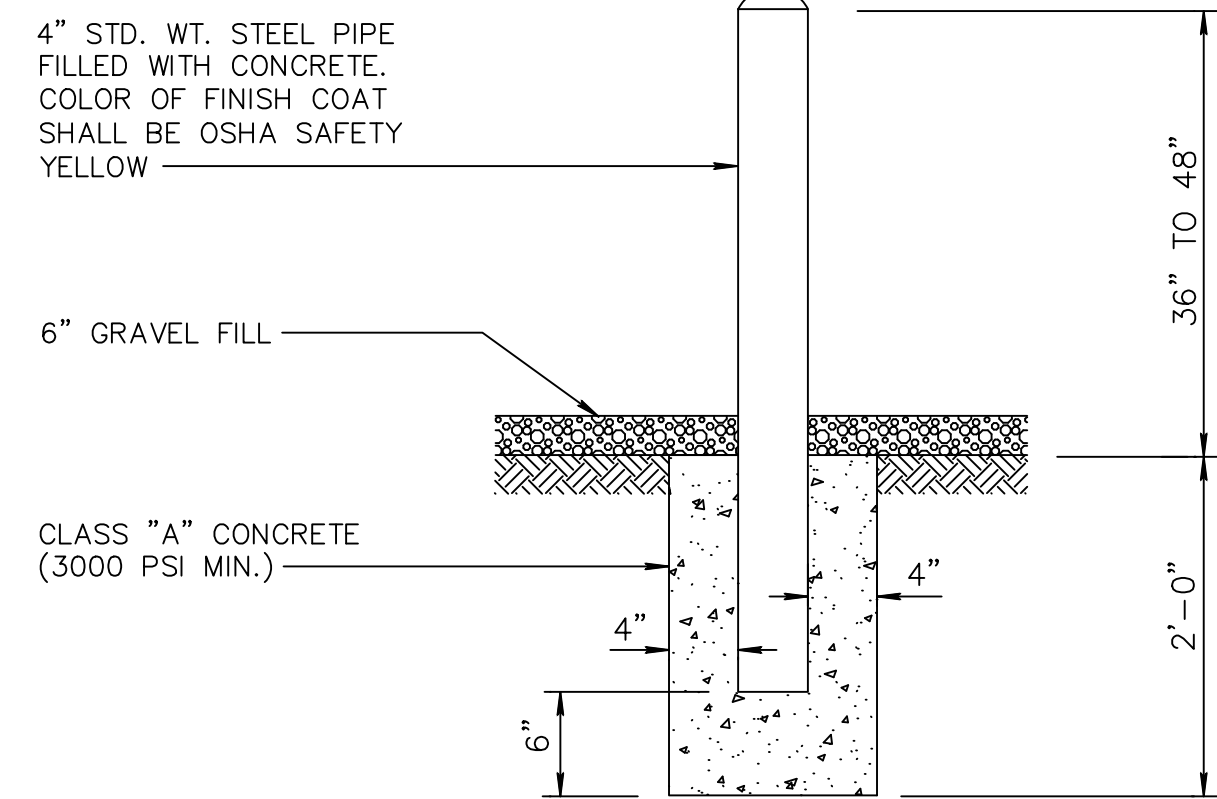
"ONE WAY" SIGN
NOT TO SCALE

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



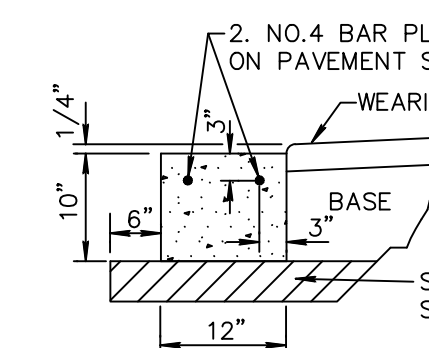
TYPICAL PARKING SPACES RT 4.2B
NOT TO SCALE

DELRAY

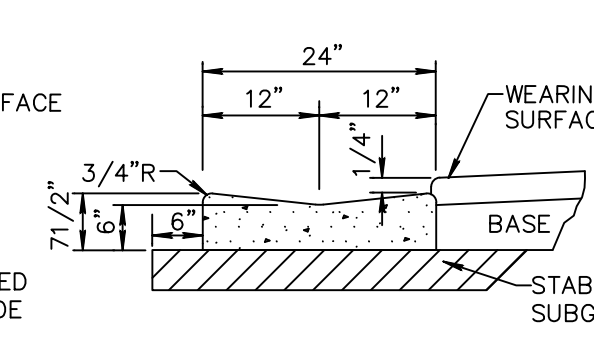


BOLLARD DETAIL PW 5.2
NOT TO SCALE

DELRAY

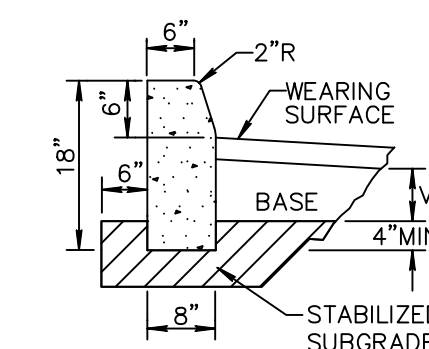


CONCRETE
HEADER CURB
NOT TO SCALE

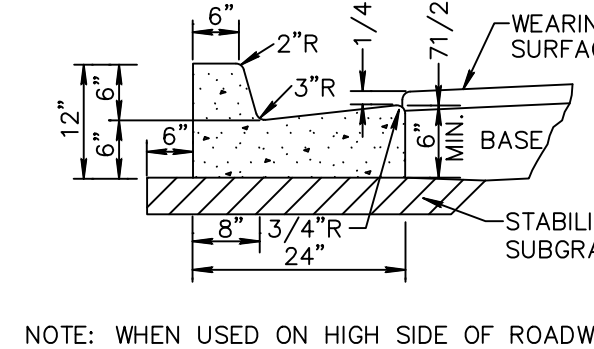


VALLEY GUTTER
NOT TO SCALE

NOTE: SAWCUTS REQUIRED AT 10' CENTERS.



CONCRETE CURB
NOT TO SCALE



CONCRETE
CURB AND GUTTER
NOT TO SCALE

- NOTES: 1. ROADWAY SUBGRADE SHALL IN ALL CASES EXTEND BELOW CURBING.
2. SAWCUTS AT 10' CENTERS SHALL BE MADE WITHIN 24 HOURS OF CONCRETE PLACEMENT.

CURB AND GUTTER DETAIL RT 6.1
NOT TO SCALE

DELRAY

DELRAY

CITY OF DELRAY BEACH UTILITY SERVICES STANDARD DETAIL

K-H

KIMLEY-HORN AND ASSOCIATES DETAIL

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COLLIER CAR CLUB
PREPARED FOR
DLR GROUP, INC.

SHEET NUMBER
C4.10

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LICENSED PROFESSIONAL

JASON A. WEBBER, P.E.

FLORIDA LICENSE NUMBER
73962

SITE DETAILS

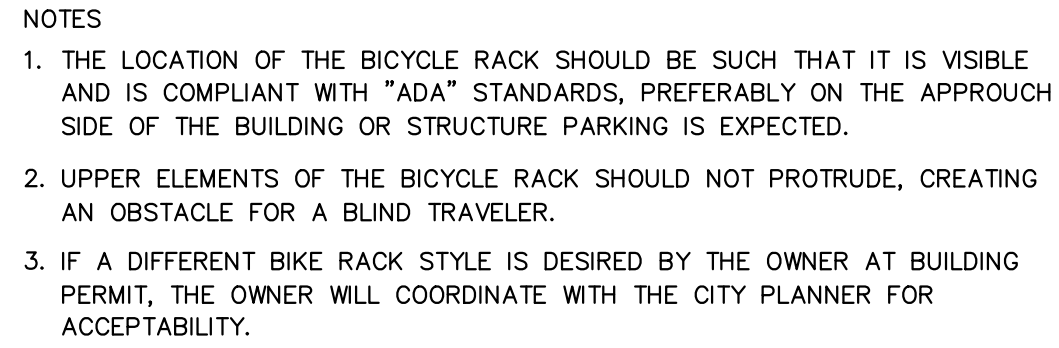
FLORIDA
DELRAY BEACH

REVISIONS

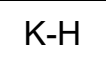
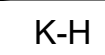
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DATE

BY



K-H



CITY OF DELRAY BEACH UTILITY
SERVICES STANDARD DETAIL

KIMLEY-HORN AND
ASSOCIATES DETAIL

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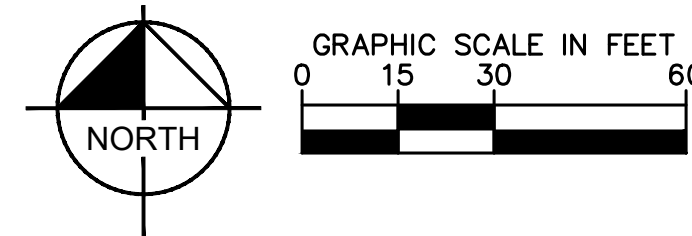
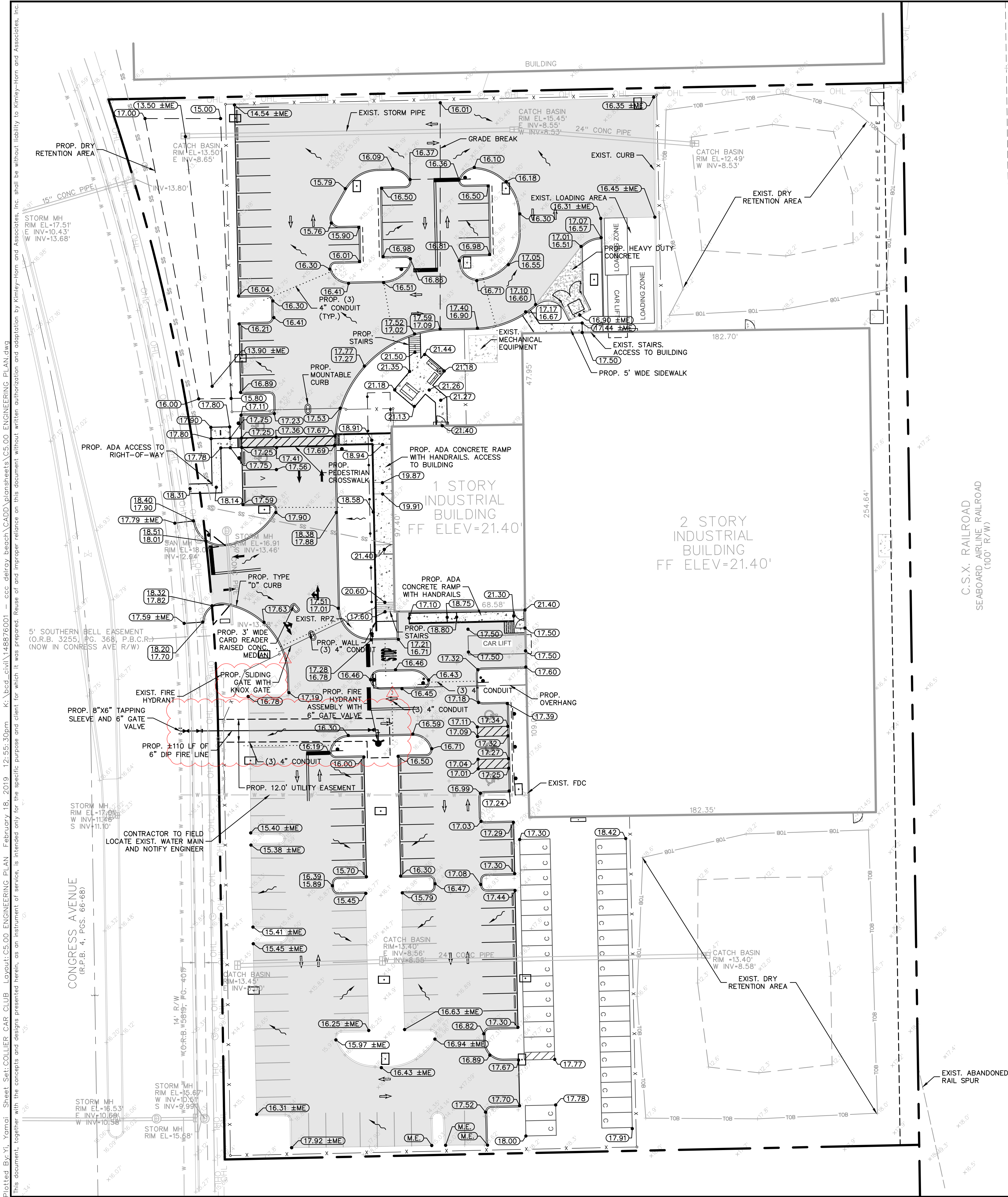
SITE DETAILS

KHA PROJECT 148876001	LICENSED PROFESSIONAL
DATE FEB 2019	JASON A. WEBBER, P.E.
SCALE AS SHOWN	FLORIDA LICENSE NUMBER 73962
DESIGNED BY YXY	DATE: ---
DRAWN BY YXY	
CHECKED BY JAW	

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No.	CITY OF DELRAY BEACH COMMENTS #1	02/15/19	JT
No.	REVISIONS	DATE	BY



PAVING, GRADING AND DRAINAGE NOTES

1. THE CROSS SLOPE ON ADA ACCESSIBLE ROUTES SHALL NOT EXCEED 2.0%. THE LONGITUDINAL SLOPE ON ADA ACCESSIBLE ROUTES (NOT INCLUDING RAMPS) SHALL NOT EXCEED 5.0%. THE LONGITUDINAL SLOPE FOR RAMPS SHALL NOT EXCEED 1:12H (8.3%). ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2.0% IN ANY DIRECTION (INCLUDING DIAGONAL).
2. ALL RAMPS SHALL COMPLY WITH FDOT INDEX 522-002.
3. CONTRACTOR SHALL CLEAN ALL PROPOSED DRAINAGE STRUCTURES AND PIPES UPON COMPLETION OF CONSTRUCTION.
4. PROPOSED ELEVATIONS OF CURB REPRESENT FACE OF CURB OR EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
5. PROPOSED ELEVATIONS IN ALL PAVEMENT AREAS REPRESENT FINISHED TOP OF SOD/GRASS OR ANY OTHER LANDSCAPING MATERIAL.
6. MATCH EXISTING GRADES AT TIE-IN LOCATIONS AT PROPERTY LINES.
7. TOP OF LANDSCAPED OR SODDED AREA AGAINST BUILDING SHALL BE MIN. 4" BELOW FINISH FLOOR ELEVATION.

UTILITY NOTES

1. CONTRACTOR SHALL FURNISH AND INSTALL NECESSARY PIPE AND FITTINGS TO TRANSITION PIPE MATERIALS WHEN REQUIRED AND TO CONNECT TO BUILDING PLUMBING.
2. CONTRACTOR SHALL SUPPORT AND PROTECT ALL EXISTING UTILITIES WHEN CONSTRUCTING NEW UTILITIES.
3. ALL MANHOLES, VALVES, CLEANOUTS AND OTHER SUCH BOXES IN PAVEMENT OR SIDEWALKS SHALL BE SET FLUSH WITH PAVEMENT TO MATCH THE PROPOSED SLOPE AND SHALL BE H-20 TRAFFIC RATED.
4. ANY TREES OR SHRUBS PLACED WITHIN WATER, SEWER, OR DRAINAGE EASEMENTS SHALL CONFORM TO THE CITY OF DELRAY BEACH STANDARD DETAILS.
5. NO PROPOSED IMPROVEMENTS, BUILDINGS OR ANY KIND OF CONSTRUCTION CAN BE PLACED ON OR WITHIN ANY WATER, SEWER, OR DRAINAGE EASEMENTS, UNLESS APPROVED BY THE CITY OF DELRAY BEACH CITY ENGINEER.
6. NO PROPOSED STRUCTURES SHALL BE INSTALLED WITHIN A HORIZONTAL DISTANCE OF 10-FEET FROM ANY EXISTING OR PROPOSED WATER, SEWER, OR DRAINAGE FACILITIES, UNLESS APPROVED BY THE CITY OF DELRAY BEACH CITY ENGINEER.
7. ALL WATER MAIN (WM) SHALL BE PVC C-900 DR-18 UNLESS OTHERWISE NOTED.
8. ALL FIRE MAIN (FM) SHALL BE DIP WITH ALL JOINTS RESTRAINED WITH MEGALUGS UNLESS OTHERWISE NOTED. ALL FIRE MAIN SHALL BE LAID AT 36" MIN. COVER. ALL FIRE RELATED CONSTRUCTION SHALL FOLLOW THE FLORIDA FIRE PREVENTION CODE 5TH EDITION - FLORIDA SPECIFIC NFPA 1, FIRE CODE, 2012 EDITION AND FLORIDA SPECIFIC NFPA 101, LIFE SAFETY CODE, 2012 EDITION.
9. ALL DUCTILE IRON PIPE (DIP) SHALL BE CLASS 350 UNLESS OTHERWISE NOTED. ALL DIP SHALL BE MARKED PER FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) STANDARDS.
10. ALL NEW FIRE HYDRANTS SHALL HAVE "OUT OF SERVICE" SIGNS AFFIXED AT TIME OF INSTALLATION. SIGNS SHALL REMAIN IN PLACE UNTIL THE WATER SYSTEM IS CLEARED FOR USE.
11. ALL WATER MAIN SHALL HAVE A MINIMUM 36" COVER OVER THE TOP OF THE PIPE UNLESS OTHERWISE NOTED. WATER AND FIRE MAINS SHALL HAVE MIN. 6" VERTICAL SEPARATION FROM EACH OTHER.
12. A MINIMUM HORIZONTAL DISTANCE OF 10 FEET MUST BE PROVIDED BETWEEN WATER MAINS AND STORM OR SANITARY SEWERS. ALL FITTINGS FOR WATER MAIN AND FIRE MAIN SHALL BE DUCTILE IRON MECHANICAL JOINT FITTINGS UNLESS OTHERWISE NOTED.
13. PIPE DEFLECTION OF WATER MAIN AND FIRE MAIN SHALL NOT EXCEED MANUFACTURER'S RECOMMENDATIONS.
14. PROPOSED WATER IMPROVEMENTS IN PRIVATE PROPERTY SHALL MEET PALM BEACH COUNTY HEALTH DEPARTMENT SEPARATION REQUIREMENTS, THESE CONFLICTS WILL BE ADDRESS DURING CONSTRUCTION AND WON'T AFFECT THE PUBLIC SAFETY.
15. CONTRACTOR SHALL COORDINATE UNDERGROUND ELECTRIC SERVICE CONNECTION WITH FPL FOR CONDUIT SIZE AND BURIED DEPTH REQUIREMENT.
16. THE CITY OF DELRAY BEACH UTILITIES DIVISION MUST BE GIVEN AT LEAST 48 HOURS NOTIFICATION PRIOR TO ANY SHUT-DOWN AND/OR REMOVAL OF EXISTING WATER MAIN OR SANITARY SEWER LINES.
17. CITY MAINTAINED UTILITIES WILL NEED TO BE TESTED AND PROTECTED (IE. PAVED AT LEAST UP TO FIRST LIFT, IF NOT ROADWAY) PRIOR TO ISSUANCE OF CERTIFICATION OF OCCUPANCY.
18. LEAD FREE BRASS WATER WORKS PRODUCTS SHALL MEET THE REQUIREMENT OF ANSI/AWWA C800 AND THE MAXIMUM LEAD CONTENT OF S.3872 AND NSF 61 ANNEX G. THE MANUFACTURER'S DESIGNATION AS A LEAD FREE PRODUCT SHALL BE PERMANENTLY STAMPED OR CAST INTO THE PRODUCT'S BODY. EFFECTIVE JANUARY 1, 2013, ONLY LEAD FREE BRASS WATER WORKS PRODUCTS SHALL BE INSTALLED IN CONTACT WITH POTABLE WATER.
19. ALL PROPOSED BACKFLOW PREVENTERS AND DOUBLE DETECTOR CHECK VALVES SHALL BE USC CERTIFIED AND LEAD FREE.
20. ANY TREES OR SHRUBS PLACED WITHIN WATER, SEWER OR DRAINAGE EASEMENTS SHALL CONFORM TO THE CITY OF DELRAY BEACH STANDARD DETAILS; LD 1.1 & LD 1.2.
21. ALL PROPOSED IMPROVEMENTS SHALL BE IN COMPLIANCE WITH THE FLORIDA FIRE PREVENTION CODE 6TH EDITION - FLORIDA SPECIFIC NFPA 1 FIRE CODE, 2015 EDITION AND FLORIDA SPECIFIC NFPA 101 LIFE SAFETY CODE, 2015 EDITION.

LEGEND

- PROPERTY LINE
- PROPOSED FIRE LINE PIPE
- PROPOSED FIRE HYDRANT
- PROPOSED FIRE LINE PIPE
- EXISTING SANITARY PIPE
- EXISTING SANITARY MANHOLE
- EXISTING FIRE LINE PIPE
- EXISTING WATER PIPE
- EXISTING FIRE HYDRANT
- EXISTING FIRE DEPARTMENT CONNECTION
- EXISTING FIBER OPTIC LINE
- EXISTING OVERHEAD LINE
- EXISTING UTILITY EASEMENTS
- STORM PIPE (SEE PAVING, GRADING AND DRAINAGE PLANS)
- STORM AREA INLET
- STORM CURB INLET
- STORM MANHOLE
- PROPOSED SPOT ELEVATION
- MATCH EXISTING ELEVATION
- EXISTING ELEVATION
- FLOW ARROW
- PROPOSED CONCRETE SIDEWALK
- PROPOSED HEAVY DUTY CONCRETE
- PROPOSED ASPHALT PAVEMENT

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

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ENGINEERING PLAN

COLLIER CAR CLUB
PREPARED FOR
DLR GROUP, INC.
FLORIDA
DELRAY BEACH

PROJECT
148876001

DATE
FEB 2019

SCALE
AS SHOWN

DESIGNED BY
YXY

DRAWN BY
YXY

CHECKED BY
JAW

LICENSED PROFESSIONAL
JASON A. WEBBER, P.E.

FLORIDA LICENSE NUMBER
73962

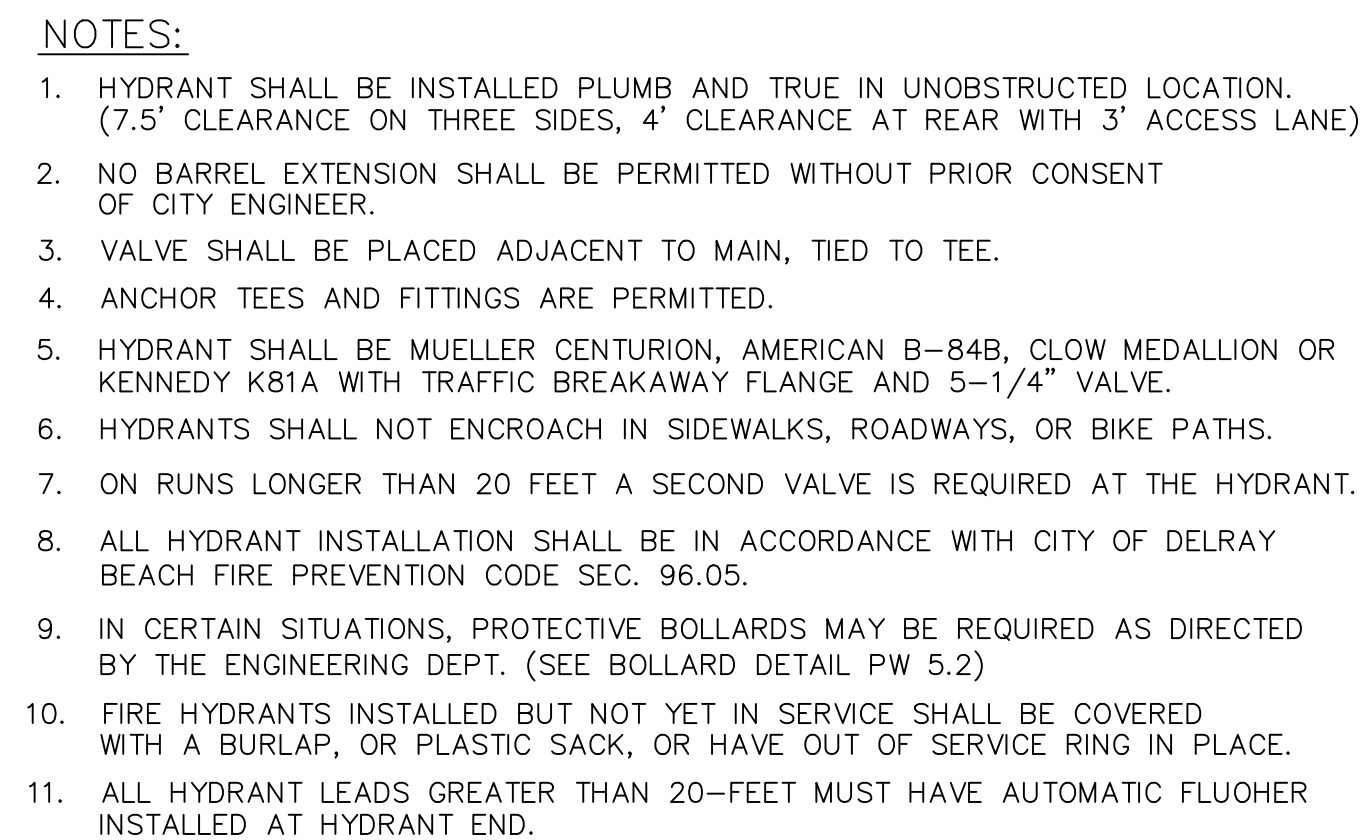
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REVISIONS

DATE

BY

SHEET NUMBER
C5.00



CONCRETE COLLAR
(3000 P.S.I.)

TYLER No. 6850
VALVE BOX WITH C.I.
COVER MARKED "WATER"

EXPANSION JOINT MATERIAL

TOP OF PAVEMENT

6" CAST IRON RISER

APPROVED RESILIENT
SEAT VALVE (SEE
STANDARD PRODUCT LIST)

CONCRETE BLOCKING
(OPTIONAL-DEPENDING ON
TRENCH BEDDING CONDITIONS)

24"

10"

8"

10" VALVES AND LARGER
SHALL HAVE A BRASS
INDICATOR PLATE WHICH
SHALL INCLUDE THE
FOLLOWING INFORMATION:

1. MANUFACTURER'S NAME
2. No. OF TURNS
3. SIZE & CLASS
4. SERIAL No.

POUR CONCRETE TO GRADE
IN SODDED AREAS

1-#4 EACH SIDE

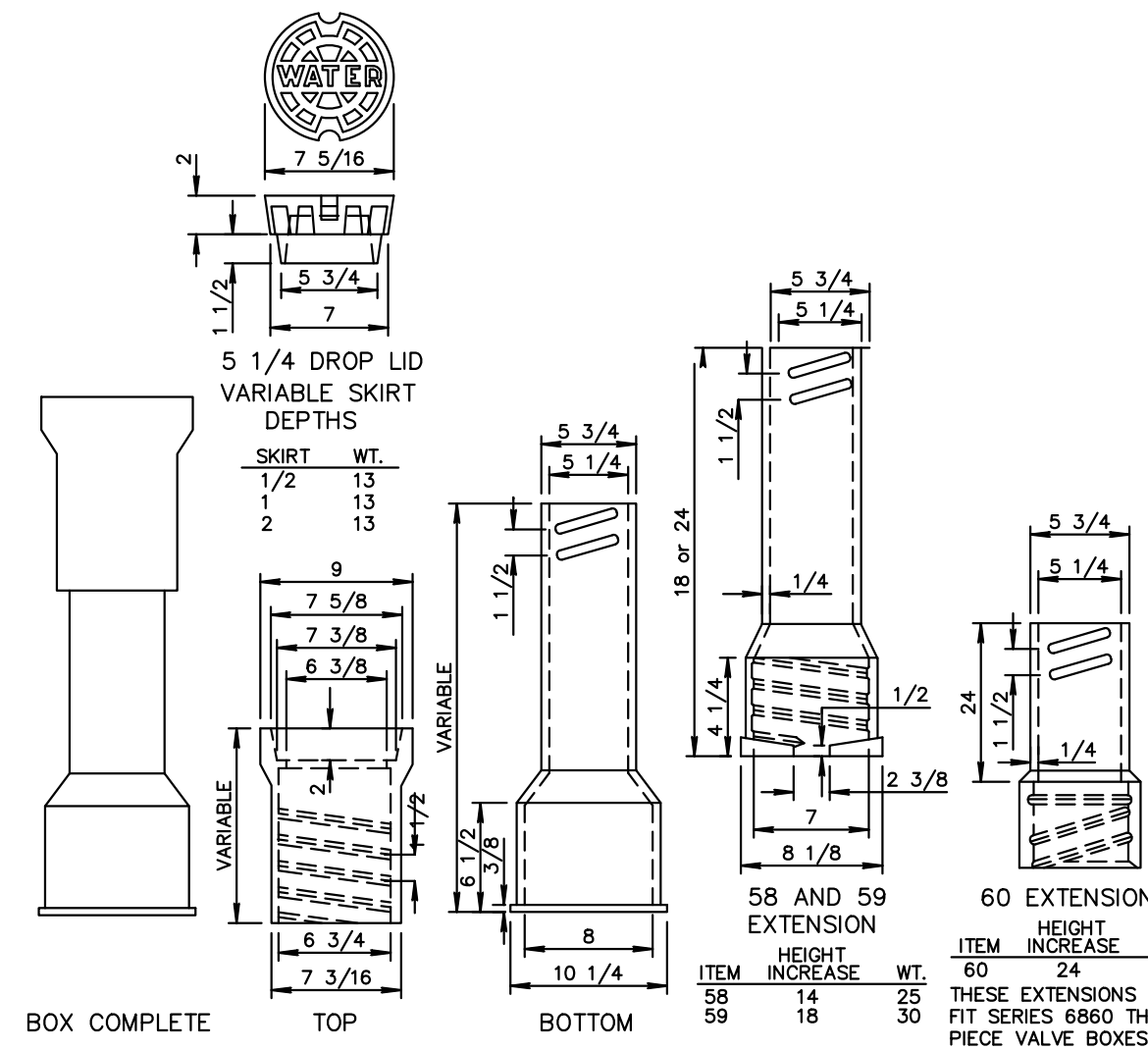
24" MIN.
50" MAX.

30" MIN.
42" MAX.

TYPICAL GATE VALVE DETAIL 4" THRU 12" PW 3.1
NOT TO SCALE

ITEM	BOX COMPLETE EXTENSION IN INCHES	WT.	TOP SECTION W/LD		BOTTOM		PIECES PER PKG.
			LENGTH	WT.	LENGTH	WT.	
461-S	19-22	60	10	35	15	25	
462-S	27-32	70	10	35	24	35	
462-S	27-37	80	16	45	30	40	20
563-S	33-43	85	16	45	30	40	20
564-S	39-50	90	16	45	36	45	20
662-S	36-55	105	28	40	30	40	20
664-S	39-60	110	26	65	36	45	20
664-S	51-71	135	28	65	**48	70	20
668-S	62-82	145	26	65	**60	80	20

**MAY BE FURNISHED IN TWO PARTS TO
MAKE THE LENGTH REQUIRED.



NOTE: LOCKING LIDS WILL NOT BE ACCEPTED

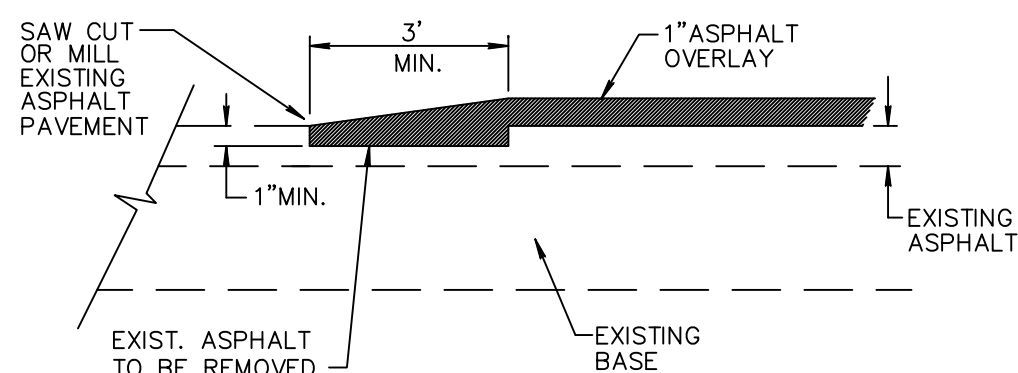
CAST IRON VALE BOXES, TWO - PIECE PW 3.2
NOT TO SCALE

NOTES:

1. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGE ROCKS SHALL BE REMOVED; BEDDING MATERIAL AND BACKFILL CONSISTING OF WASHED AND GRADED LIMEROCK 3/8" - 7/8" SIZING.
2. THE PIPE AND/OR STRUCTURE SHALL BE FULLY SUPPORTED FOR ITS ENTIRE LENGTH WITH APPROPRIATE COMPACTION UNDER THE PIPE HAUNCHES.
3. THE PIPE AND/OR STRUCTURE SHALL BE PLACED IN A DRY TRENCH.
4. BACKFILL SHALL BE FREE OF UNSUITABLE MATERIAL SUCH AS LARGE ROCK, MUCK, AND DEBRIS.
5. COMPACT BACKFILL TO 98% DENSITY UNDER PAVEMENT AND TO 95% DENSITY ELSEWHERE. (AASHTO T-180)
6. COMPACTION AND DENSITY TESTS SHALL BE COMPLETED DURING BACKFILL OPERATIONS, CONTRACTORS NOT FOLLOWING THIS PROCEDURE, FOR WHATEVER REASONS, SHALL BE REQUIRED TO RE-EXCAVATE THE AREA IN QUESTION, DOWN TO THE BEDDING MATERIAL, THEN BACKFILL FOLLOWING THE ABOVE PROCEDURES.

NOTE:

THIS METHOD OF PAVEMENT JOINT SHALL BE USED FOR ANY APPLICATION OR CONSTRUCTION WHERE PROPOSED PAVEMENT AND BASE WILL BE CONNECTED TO EXISTING PAVEMENT AND BASE.



NEW OVERLAY PAVEMENT JOINT

NOTE:

THIS METHOD OF PAVEMENT JOINT SHALL BE USED FOR ANY APPLICATION OR CONSTRUCTION WHERE PROPOSED PAVEMENT WILL BE CONNECTED TO EXISTING PAVEMENT.

PAVEMENT JOINT DETAIL RT 7.1
NOT TO SCALE

Diagram illustrating the cross-section of a road surface and the proposed overlay. The existing structure consists of an asphalt layer, a base, and a subgrade. The proposed overlay is a 3/4" type S-III asphaltic concrete layer, which is to be applied over the existing asphalt. The total asphalt depth is 1.5" minimum. The existing base and subgrade are also shown. A note specifies that the contractor shall mill and resurface existing asphalt in the area shown if the existing asphalt pavement section is less than the millin depth or the underlying pavement is in poor condition (excessive cracking or peeling up while milling). The contractor shall either remove the asphalt pavement or seal it using approved methods.

Labels and dimensions:

- MILL EXISTING ASPHALT $\frac{3}{4}"$
- EXISTING ASPHALT TO REMAIN
- $\frac{3}{4}"$ TYPE S-III ASPHALTIC CONCRETE OVER EXISTING ASPHALT IN VARIABLE THICKNESS, 1.5" MIN. TOTAL ASPHALT DEPTH
- EXISTING BASE
- EXIST. STANDARD DUTY ASPHALT TO BE RESURFACED $\frac{3}{4}"$ NOT TO SCALE
- EXISTING SUBGRADE

NOTE: CONTRACTOR SHALL MILL AND RESURFACE EXISTING ASPHALT IN THE AREA SHOWN IF THE EXISTING ASPHALT PAVEMENT SECTION IS LESS THAN THE MILLIN DEPTH OR THE UNDERLYING PAVEMENT IS IN POOR CONDITION (EXCESSIVE CRACKING OR PEELING UP WHILE MILLING). CONTRACTOR SHALL EITHER REMOVE THE ASPHALT PAVEMENT OR SEAL IT USING APPROVED METHODS.

ASPHALTIC CONCRETE PAVEMENT SECTION
NOT TO SCALE

Diagram illustrating the cross-section of a road construction showing three layers:

- Top Layer:** LIMEROCK BASE (MIN. LBR 100) (COMPACTED TO 98% MAX. DRY DENSITY ASTM D 1557). Thickness: 2" MIN.
- Middle Layer:** STABILIZED SUBGRADE (MIN. LBR 40) (COMPACTED TO 98% MAX. DRY DENSITY ASTM D 1557). Thickness: 8" MIN.
- Bottom Layer:** (Thickness: 12" MIN.)

Additional notes on the left side of the diagram:

- ONE 3/4" LIFT OF SP-9.5 ASPHALTIC CONCRETE MIX OVER ONE 1 1/2" LIFT OF SP-12.5 ASPHALTIC CONCRETE MIX WITH RC-70 PRIME @ 0.10 GAL/SY AND TACK COAT AT 0.05 GAL/S

ASPHALTIC CONCRETE PAVEMENT SECTION
NOT TO SCALE

DELRAY

K-H

CITY OF DELRAY BEACH UTILITY
SERVICES STANDARD DETAILKIMLEY-HORN AND
ASSOCIATES DETAIL

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ENGINEERING DETAILS

**COLLIER CAR
CLUB**
PREPARED FOR
DLR GROUP, INC.

SHEET NUMBER
C5.10

Kimley»»Horn

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DATE:

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REVISIONS

BY

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PRESSURE PIPE NOTES:

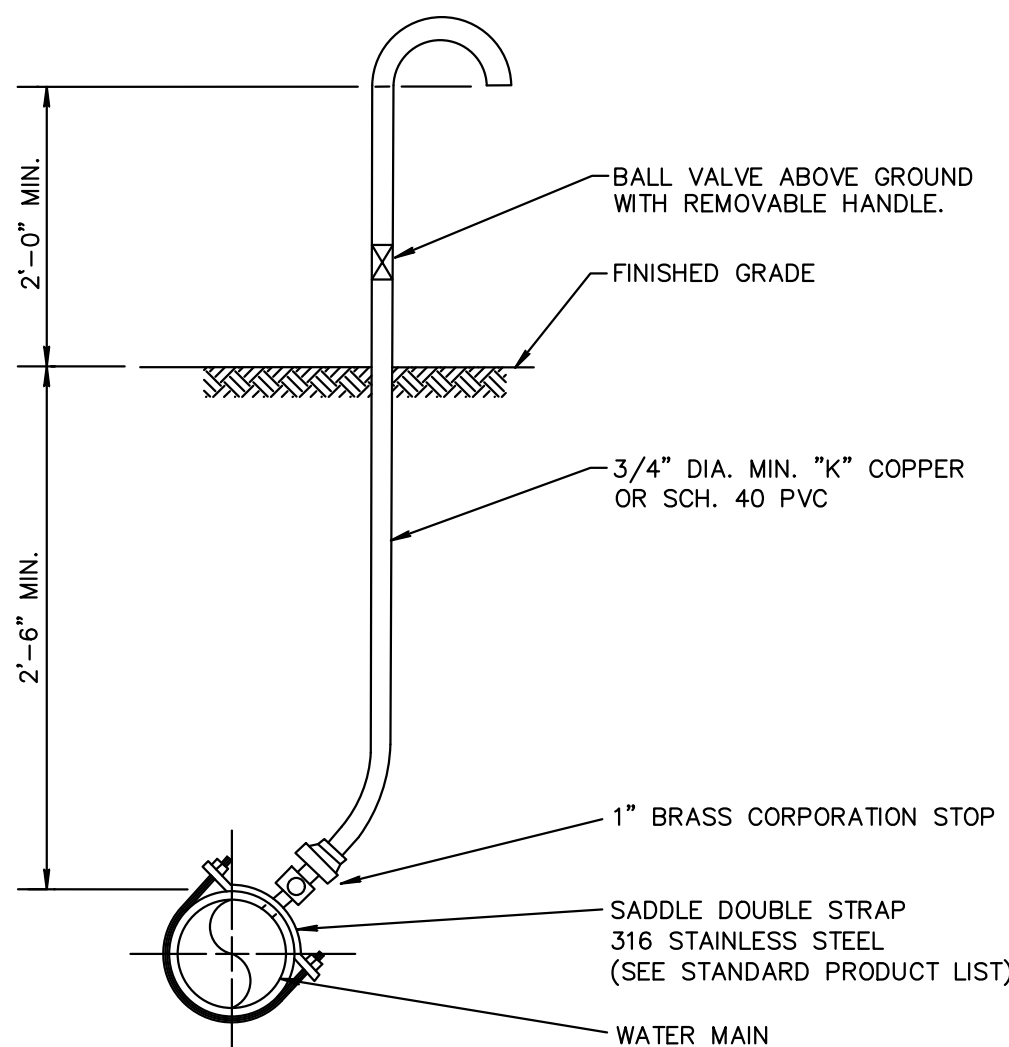
1. THERE SHALL BE 30" MINIMUM COVER FROM FINISHED GRADE TO TOP OF PIPE. FOR PIPE SIZE 10" AND LARGER THERE SHALL BE 36" MINIMUM COVER.
- 2.a. DUCTILE IRON PIPE (DIP) FOR FORCE MAINS SHALL BE CLASS 350 EPOXY LINED IN ACCORDANCE WITH AWWA C550.
- 2.b. DUCTILE IRON PIPE (DIP) FOR WATER MAINS SHALL BE CLASS 350 IN ACCORDANCE WITH AWWA C151 (ANSI A21.51), AND SHALL HAVE AN INTERNAL LINING OF CEMENT MORTAR IN ACCORDANCE WITH AWWA C104/ A21.4.
3. C-900 PVC PRESSURE PIPE MAY BE USED IN LIEU OF DIP WATER MAIN METAL TAPE ABOVE C-900
4. ALL FITTINGS SHALL BE CLASS 350 DUCTILE IRON WITH MECHANICAL JOINTS AND EPOXY LINING.
5. WATER MAIN AND SEWAGE FORCE MAIN VALVES 12 INCHES AND SMALLER SHALL BE RESILIENT WEDGE GATE VALVES IN ACCORDANCE WITH AWWA C509. WATER MAIN VALVES LARGER THAN 12 INCHES SHALL BE BUTTERFLY VALVES IN ACCORDANCE WITH AWWA C504. SEWAGE FORCE MAIN VALVES LARGER THAN 12 INCHES SHALL BE RESILIENT WEDGE GATE VALVES IN ACCORDANCE WITH AWWA C515
6. ALL TRENCHING, PIPE-LAYING, BACKFILL, PRESSURE TESTING, AND DISINFECTION MUST COMPLY WITH CITY AND HEALTH DEPARTMENT STANDARDS.
7. WATER AND FORCE MAINS SHALL BE PIGGED, AS WELL AS, PRESSURE TESTED FOR A PERIOD OF NOT LESS THAN TWO HOURS AT 150 PSI IN ACCORDANCE WITH ANSI/AWWA C600 LATEST STANDARDS. ALLOWABLE LEAKAGE SHALL BE DETERMINED AS FOLLOWS:
$$L = \frac{(S)(D)(P)^{0.50}}{148,000} \times (50)$$

WHERE:

 - L = ALLOWABLE LEAKAGE (GALLONS PER HOUR)
 - S = PIPE LENGTH (FEET)
 - D = NOMINAL DIAMETER OF PIPE (INCHES)
 - P = AVERAGE TEST PRESSURE (PSI)
8. RESTRAINTS SHALL BE PROVIDED AT ALL FITTINGS AS SHOWN ON PP2.1
9. PRIOR TO ANY TESTING UNDER FUTURE PAVEMENT, ROCK SHALL BE FINISHED & PRIMED OR 1ST LIFT OF ASPHALT PLACED.
10. PIG SIZE SHALL BE PIPE DIA. PLUS 2" OR NEXT LARGER DIA.
11. NO PROPOSED STRUCTURES SHALL BE INSTALLED WITHIN A HORIZONTAL DISTANCE OF 10- FEET FROM ANY EXISTING OR PROPOSED WATER MAINS.
12. LINE STOPPED SHALL BE INSTALLED A MINIMUM OF 3 PIPE LENGTHS FROM LOCATION OF PIPE REMOVED OTHERWISE, PROVIDE NECESSARY JOIN RESTRAINTS

PRESSURE PIPE NOTES PP1.1
NOT TO SCALE

DELRAY

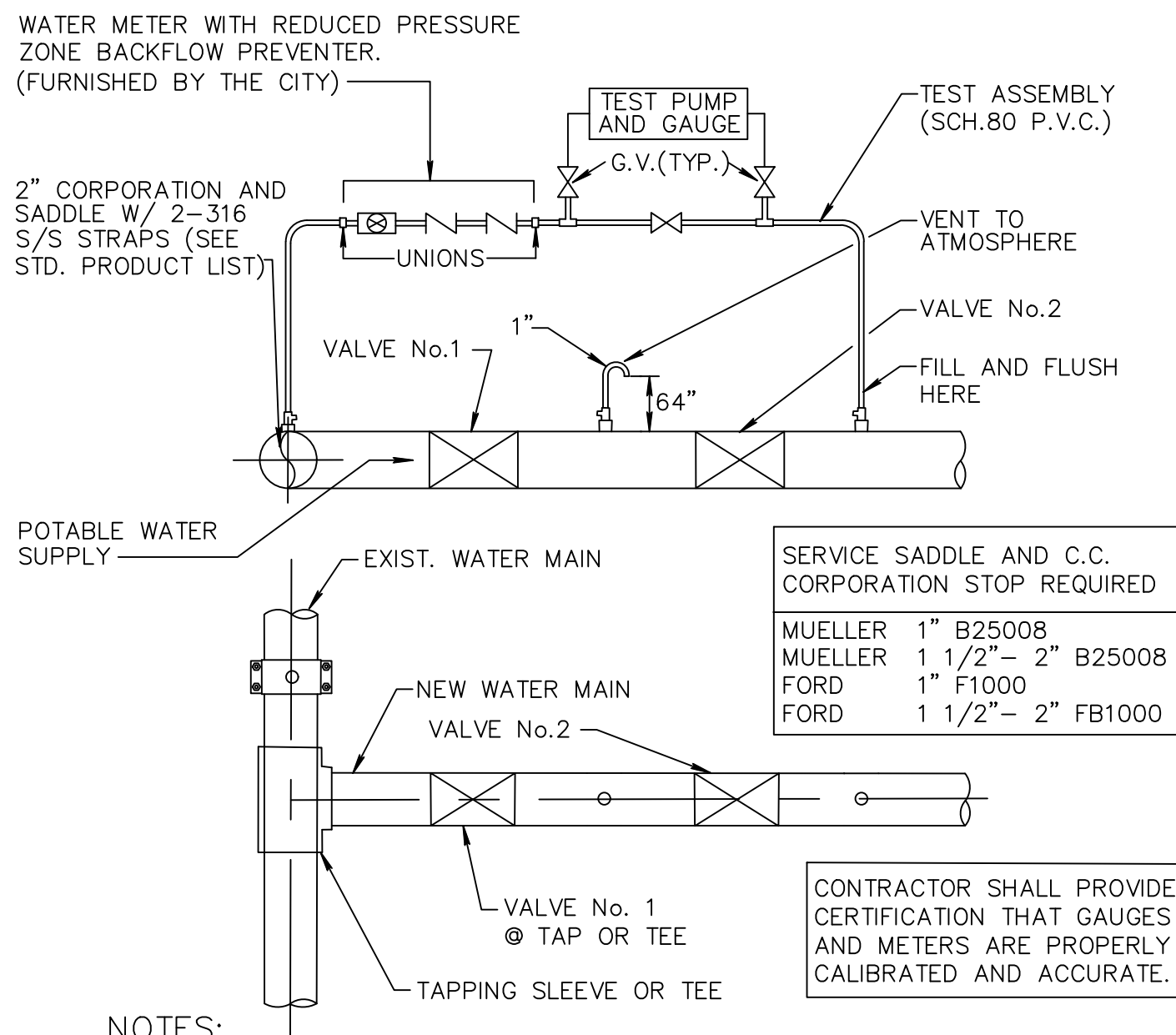


NOTES:

1. SAMPLE POINT SHOULD BE AT SERVICE LINE OR FIRE HYDRANT IF POSSIBLE.
2. IF SAMPLE POINT IS NOT AT SERVICE LINE OR FIRE HYDRANT, CORP. STOP SHALL BE SHUT OFF AT MAIN AND ALL TUBING SHALL BE REMOVED, AND CORP. STOP SHALL HAVE A BRASS PLUG OR CAP INSTALLED AFTER RELEASE OF WATER MAIN BY PALM BEACH COUNTY HEALTH DEPARTMENT.
3. IF AT ALL POSSIBLE SAMPLE POINT SHALL NOT BE LOCATED IN A TRAFFIC AREA.
4. SAMPLE POINTS SHALL KEEP RUNNING UNTIL HEALTH DEPT. RELEASE AND ALL MAIN LINE VALVES ARE OPENED.

TYPICAL SAMPLE POINT PW 7.1
NOT TO SCALE

DELRAY

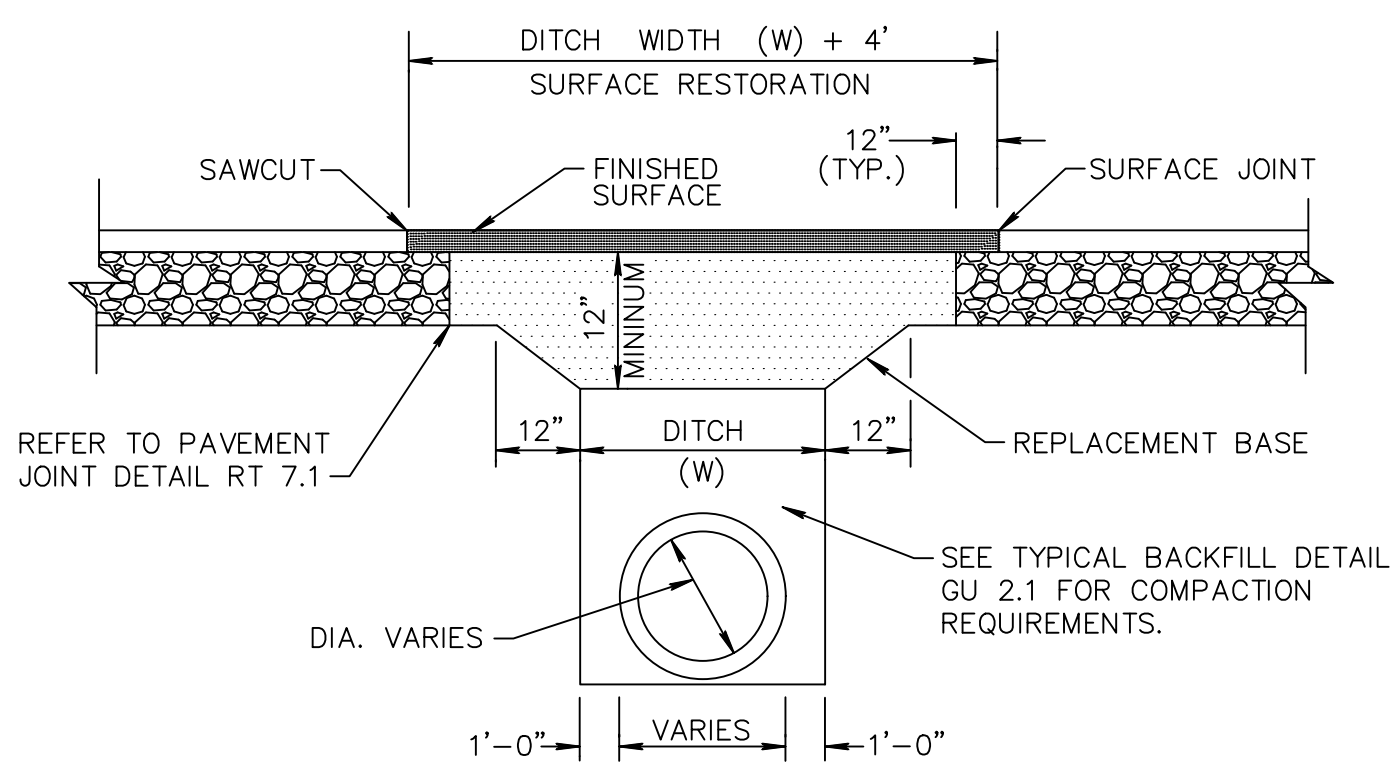


NOTES:

1. BOTH VALVES SHALL BE KEPT CLOSED UNTIL FILLING, FLUSHING, AND BACTERIOLOGICAL TESTING IS COMPLETED AND APPROVED.
2. GAUGE AND RISER TO BE REMOVED AFTER PRESSURE TEST.
3. CITY SHALL BE NOTIFIED BEFORE FILLING AND FLUSHING.
4. AFTER RELEASE FROM THE HEALTH DEPARTMENT, BOTH VALVES TO BE LEFT OPEN WITH VALVE BOX INSTALLED ON BOTH VALVES.
5. PRESSURE TEST PUMP MAY CONNECT TO SERVICE LINE, FIRE HYDRANTS OR BLOWOFF. NO EXTRA TAPS ARE PERMITTED SOLELY FOR TESTING PURPOSES UNLESS PRECEDING ARE NOT PRESENT IN TEST SECTION.
6. TAPPING SADDLE OR SLEEVE (PER CURRENT CITY PRODUCT LIST) IS REQUIRED ON EXISTING MAIN.
7. SETUP FOR ALL DOUBLE VALVE CONNECTIONS TO INCLUDE ATMOSPHERE VENTS AS SHOWN ABOVE.
8. OUTLET ON VENT TO ATMOSPHERE A MINIMUM 24" ABOVE EXISTING GRADE.

FILL & FLUSH DETAIL PW 1.1

DELRAY



1. REPLACEMENT BASE TO BE AT MIN. 12" THICK.
2. BASE MATERIAL SHALL BE PLACED IN TWO LIFTS AND EACH LIFT COMPACTED TO 98% MAXIMUM DENSITY PER AASHTO T-180 (MAX. LIFT THICKNESS = 6").
- 2b. 12" EXCAVATED FLOWABLE FILL MIN. 100 P.S.I. MAY BE USED IN LIEU OF 12" BASE.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWE.
4. ALL DISTURBED PAVEMENT MARKINGS SHALL BE RESTORED IN ACCORDANCE WITH CITY STANDARDS.
5. SURFACE MATERIAL SHALL BE F.D.O.T. TYPE S-I OR S-III ASPHALT CONC. (MIN. THICKNESS 1 1/2").
6. ANY PAVT. CUTS SHALL BE COLD PATCHED AT END OF EACH WORKING DAY TO FACILITATE UNHINDERED TRAFFIC FLOW.

PAVEMENT REPAIR DETAIL GU 1.1
NOT TO SCALE

DELRAY

DELRAY

CITY OF DELRAY BEACH UTILITY
SERVICES STANDARD DETAIL

K-H

KIMLEY-HORN AND
ASSOCIATES DETAIL

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ENGINEERING DETAILS

**COLLIER CAR
CLUB**
PREPARED FOR
DLR GROUP, INC.

DELRAY BEACH FLORIDA

KHA PROJECT 148876001	LICENSED PROFESSIONAL
DATE FEB 2019	<u>JASON A. WEBBER, P.E.</u>
SCALE AS SHOWN	FLORIDA LICENSE NUMBER 73962
DESIGNED BY YXY	DATE: -- --
DRAWN BY YXY	
CHECKED BY JAW	

LICENSED PROFESSIONAL

JASON A. WEBBER, P.E.

FLORIDA LICENSE NUMBER
73962

Kimley»»Horn

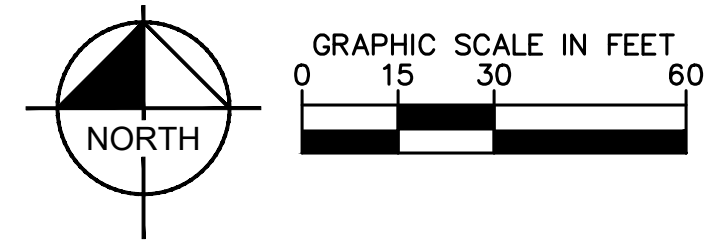
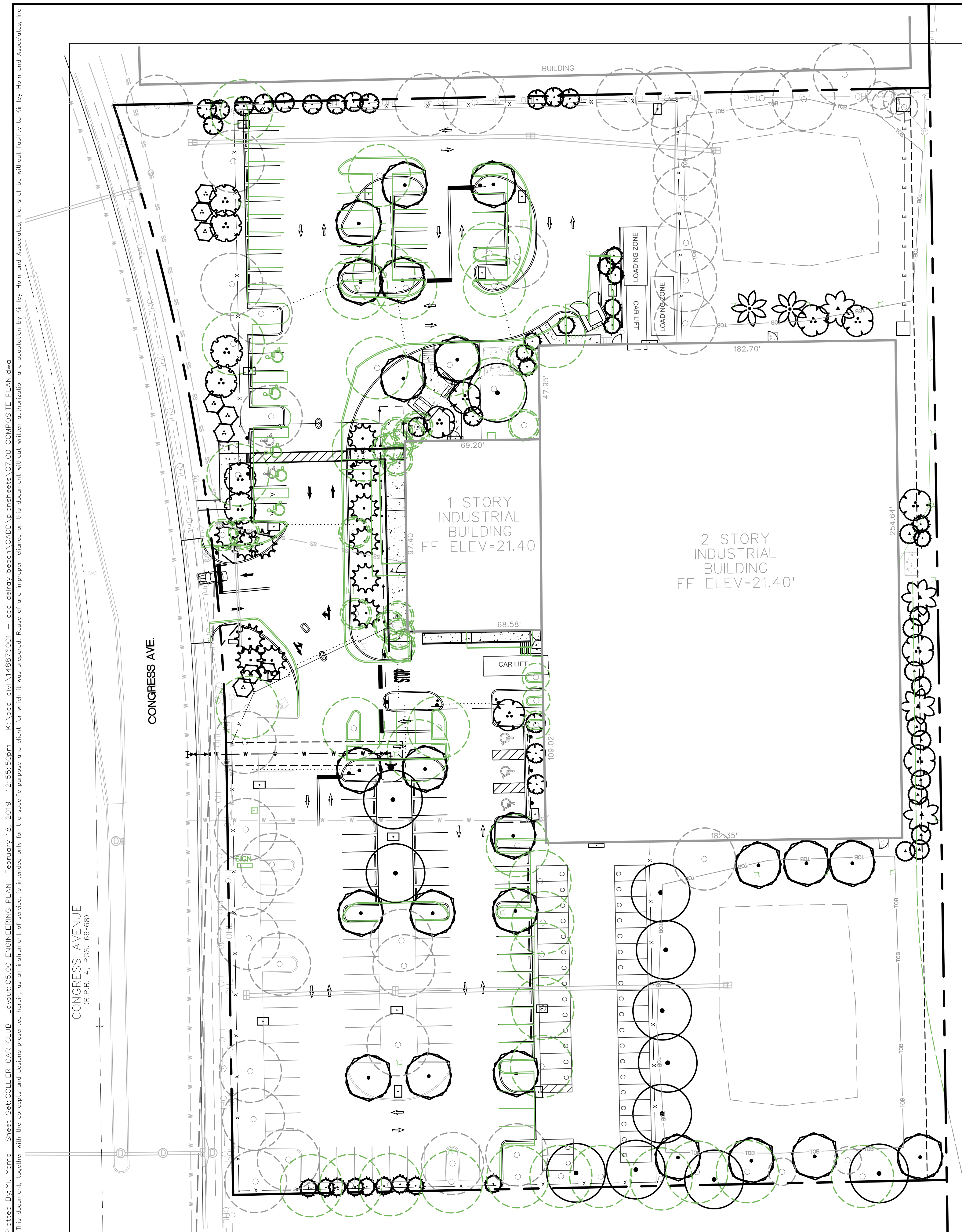
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No.

REVISIONS

DATE _____

Y



- | | |
|--|-------------------------------------|
| | PROPERTY LINE |
| | PROPOSED SANITARY PIPE |
| | PROPOSED SANITARY MANHOLE |
| | PROPOSED FIRE LINE PIPE |
| | PROPOSED WATER LINE PIPE |
| | PROPOSED FIRE HYDRANT |
| | PROPOSED TREE |
| | (SEE LANDSCAPE PLAN FOR DETAILS) |
| | EXISTING SANITARY PIPE |
| | EXISTING SANITARY MANHOLE |
| | EXISTING FIRE LINE PIPE |
| | EXISTING WATER PIPE |
| | EXISTING FIRE HYDRANT |
| | EXISTING FIRE DEPARTMENT CONNECTION |
| | EXISTING WATER PIPE |
| | EXISTING IRRIGATION MAIN PIPE |
| | EXISTING FIBER OPTIC LINE |
| | EXISTING OVERHEAD LINE |
| | EXISTING STORM PIPE |
| | (SEE ENGINEERING PLAN FOR DETAILS) |
| | EXISTING STORM AREA INLET |
| | EXISTING STORM CURB INLET |
| | EXISTING STORM MANHOLE |
| | EXISTING TREE TO REMAIN |
| | EXISTING CONDITIONS TO BE REMOVED |
| | EXISTING TREE TO BE REMOVED |

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FLORIDA BEACH

COMPOSITE PLAN

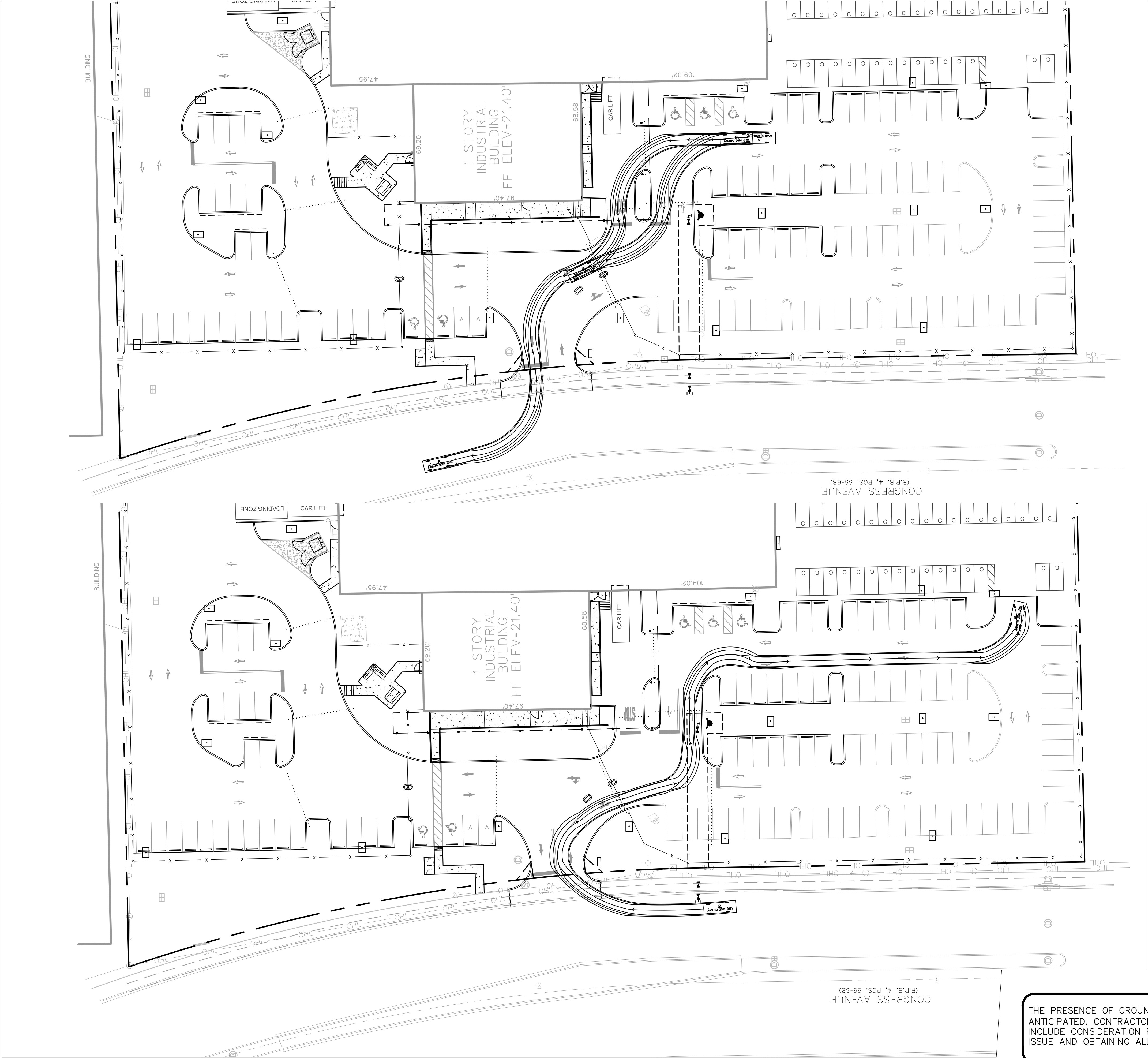
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FLORIDA LICENSE NUMBER
73962
DATE: -- -- --

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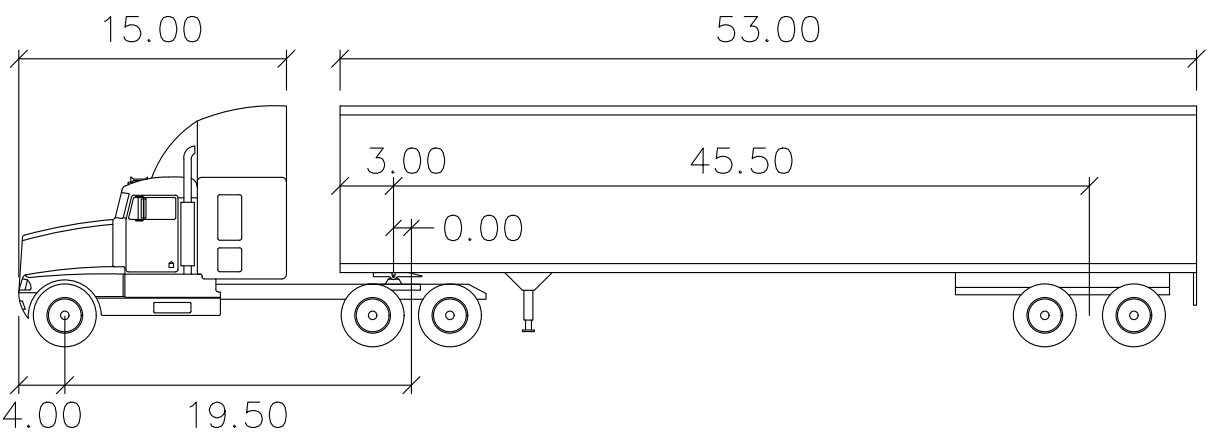
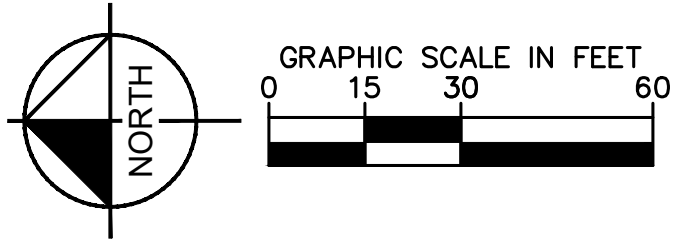
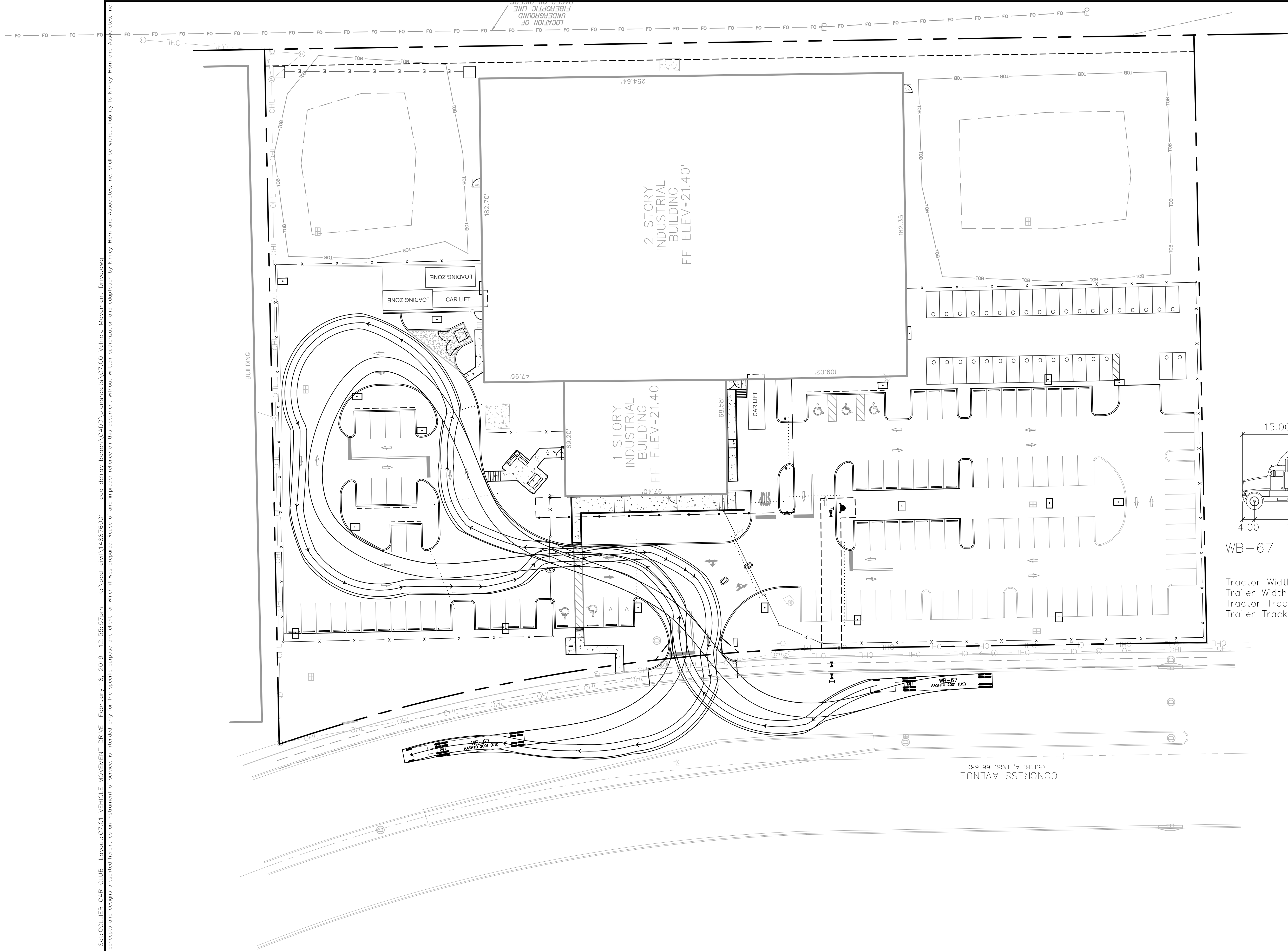
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No.	REVISIONS	DATE	BY

Plotted By: Y. Yomai Sheet Set: COLLIER CAR CLUB Layout: C7.00 VEHICLE MOVEMENT PLAN February 18, 2019 12:55:55pm K:\Used civil\146876001 - ccs delay beach CADD\plansheets\C7.00 Vehicle Movement Drives.dwg
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COLLIER CAR CLUB				VEHICLE MOVEMENT PLAN				KHA PROJECT 148876001				LICENSED PROFESSIONAL		Kimley»Horn © 2019 KIMLEY-HORN AND ASSOCIATES, INC. 1815 S CONGRESS AVE., SUITE 201, DELRAY BEACH, FL 33445 PHONE: 561-330-2345 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA 00000696							
PREPARED FOR DLR GROUP, INC.				- PASSENGER CAR				DATE FEB 2019				JASON A. WEBBER, P.E.									
SHEET NUMBER C7.00				SCALE AS SHOWN				FLORIDA LICENSE NUMBER 73962				DATE: --- --		No.		REVISIONS		DATE		BY	
DELRAY BEACH FLORIDA				DRAWN BY YXY				CHECKED BY JAW													



WB-67			
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trailer Track	: 8.50		

Plotted By: Y. Yomai Sheet Set: COLLIER CAR CLUB Layout: C7.01 VEHICLE MOVEMENT DRIVE February 18, 2019 12:55:57pm K:\Used civil\148876001 - ccs delay beach\CA00\planisheets\C7.00 Vehicle Movement Driving
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COLLIER CAR CLUB
PREPARED FOR
DLR GROUP, INC.
FLORIDA

VEHICLE MOVEMENT PLAN
- LARGE TRUCK

KVA PROJECT
148876001
DATE
FEB 2019
SCALE AS SHOWN
DESIGNED BY YXY
DRAWN BY YXY
CHECKED BY JAW
DATE

LICENSED PROFESSIONAL
JASON A. WEBBER, P.E.
FLORIDA LICENSE NUMBER
73962

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