

PROJECT TEAM

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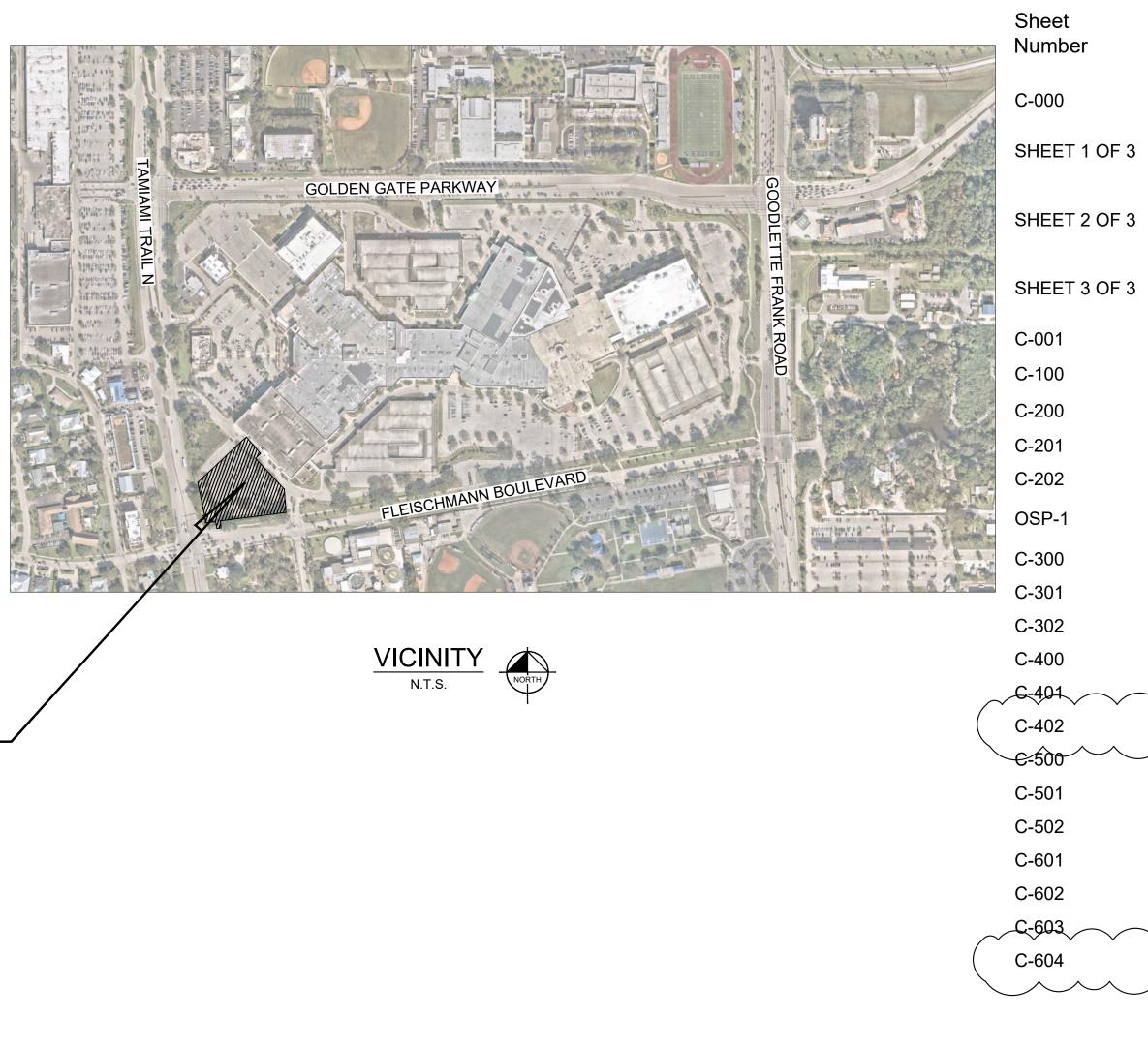
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SITE PLAN APPLICATION PLANS FOR OAR AND IRON AT COASTLAND MAL LOCATED AT 2094 9TH STREET N CITY OF NAPLES, COLLIER COUNTY, FLORIDA



PREPARED BY: **Kimley**»Horn

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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, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
- 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. 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.
- 4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. A LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR <u>MUST</u> CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE CONSTRUCTION PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
- 6. 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.
- 7. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.
- 8. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND DESIGN ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
- 9. 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 CONTRACTORS RESPONSIBILITY.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
- 11. ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED.
- 12. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
- 13. 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.

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 FOR DEMOLITION/PRESERVATION OF EXISTING TREES. 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.

PAVING, GRADING AND DRAINAGE NOTES

- 1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN COUNTY'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.
- 2. ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED.
- 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 UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.
- 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 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 DESIGN ENGINEER PRIOR TO ANY EXCAVATION.
- 11. 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 OR SEEDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE LANDSCAPING PLAN.
- 14. ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
- 15. 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 CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- 16. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.
- 17. SOD, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
- 18. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.
- 19. 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.
- 20. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.

WATER AND SEWER UTILITY NOTES

- 1. THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES GRAVITY SEWER LINES AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- 2. ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR UTILITY LOCATION AND COORDINATION IN ACCORDANCE WITH THE NOTES CONTAINED IN THE GENERAL CONSTRUCTION SECTION OF THIS SHEET.
- 3. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.
- 4. DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.
- 5. ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 6. WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.
- 7. ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- 8. UNDERGROUND LINES SHALL BE SURVEYED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR PRIOR TO BACK FILLING.
- 9. CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.

EROSION CONTROL NOTES

- 1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THE EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN SPECIFICATIONS OF THE SWPPP, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- 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 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.
- 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- 11. 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.
- 12. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.

EROSION CONTROL NOTES (CONT.)

- 13. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY CEASED.
- 14. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED IN THESE AREAS. REFER TO SECTION 981 OF THE STANDARD SPECIFICATIONS FOR SEEDING AND MAINTENANCE REQUIREMENTS.
- 15. 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.
- 16. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
- 17. 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.
- 18. 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 CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- 19. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- 20. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.
- 21. 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.

MAINTENANCE

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:

- 1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
- 2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED. FOR MAINTENANCE REQUIREMENTS REFER TO SECTION 981 OF THE OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION).
- 3. 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.
- 4. 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.
- 5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
- 6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED TO 55 CUBIC YARDS / ACRE.
- 7. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

Sunshine

Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked. *Check positive response codes before you dig!*

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SHEET NUMBER

C-001



NOTES (ALL PHASES)

- UNFORSEEN SITE CONDITIONS

- AT THE SITE
- TO ENVIRONMENTAL PROTECTION

DEWATERING (ALL PHASES)

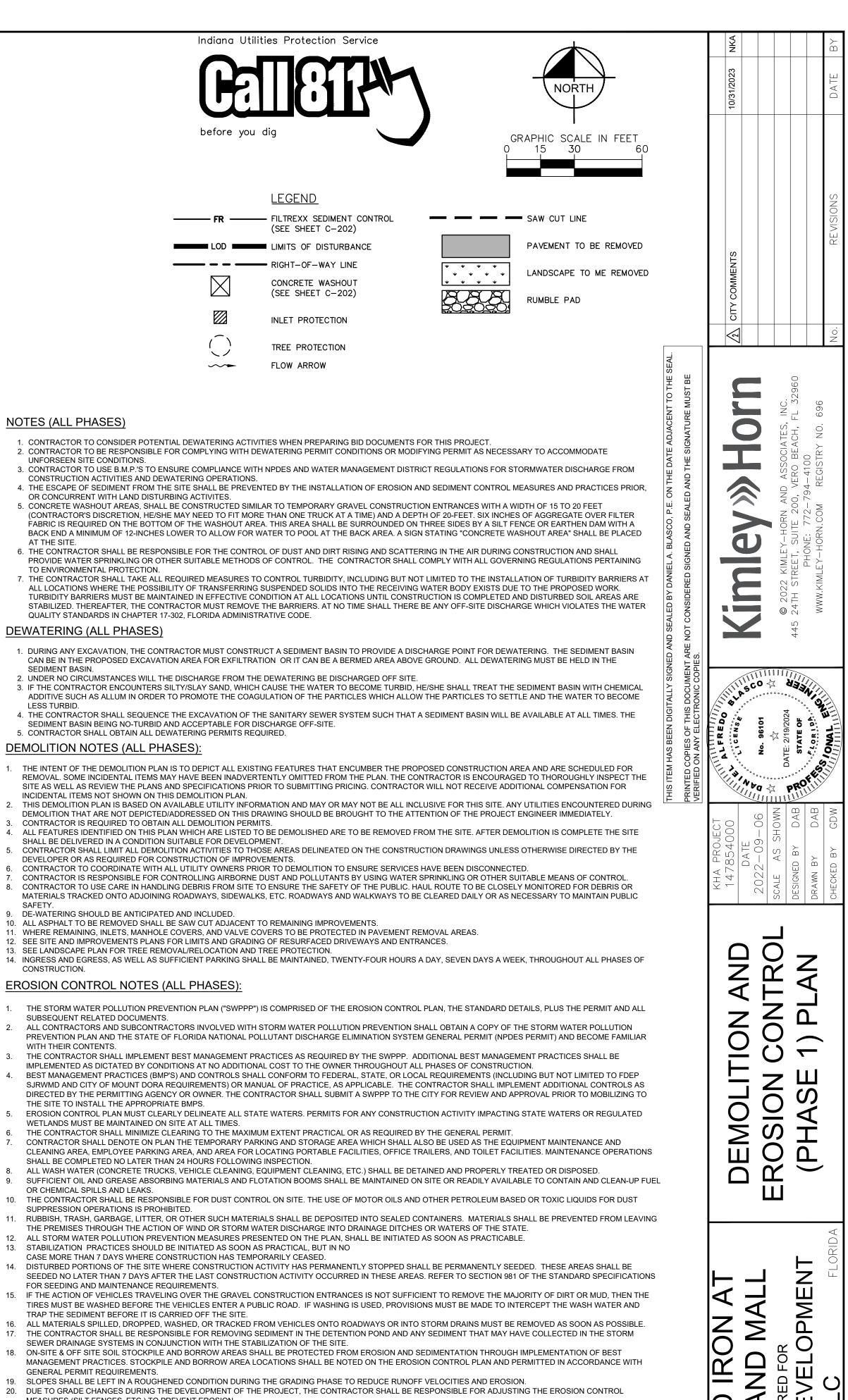
- SEDIMENT BASIN
- LESS TURBID

DEMOLITION NOTES (ALL PHASES)

- SAFFTY 9. DE-WATERING SHOULD BE ANTICIPATED AND INCLUDED.
- CONSTRUCTION.
- SUBSEQUENT RELATED DOCUMENTS.
- WITH THEIR CONTENTS

- OR CHEMICAL SPILLS AND LEAKS
- SUPPRESSION OPERATIONS IS PROHIBITED.

- GENERAL PERMIT REQUIREMENTS



MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION. 21. 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.

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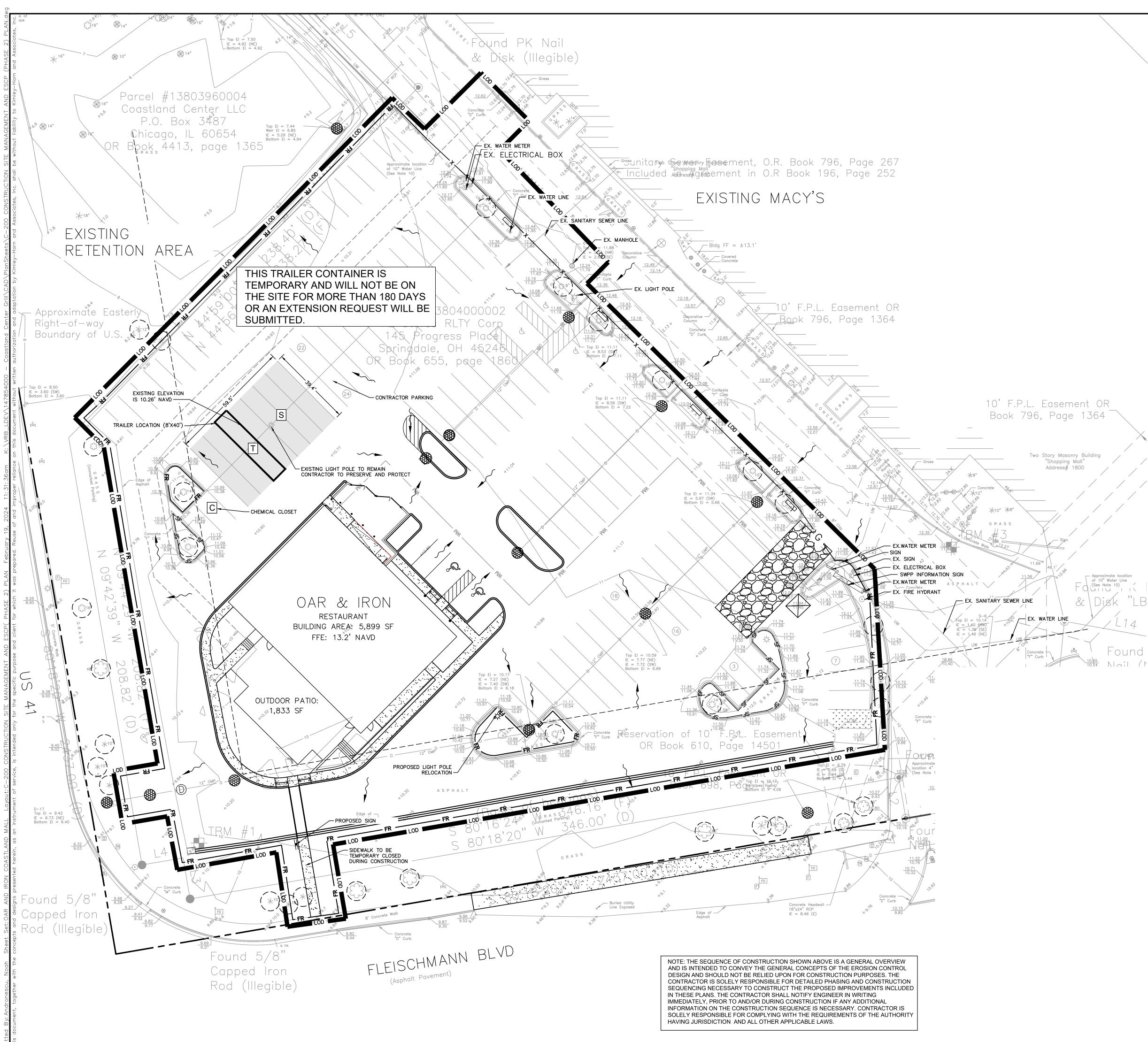
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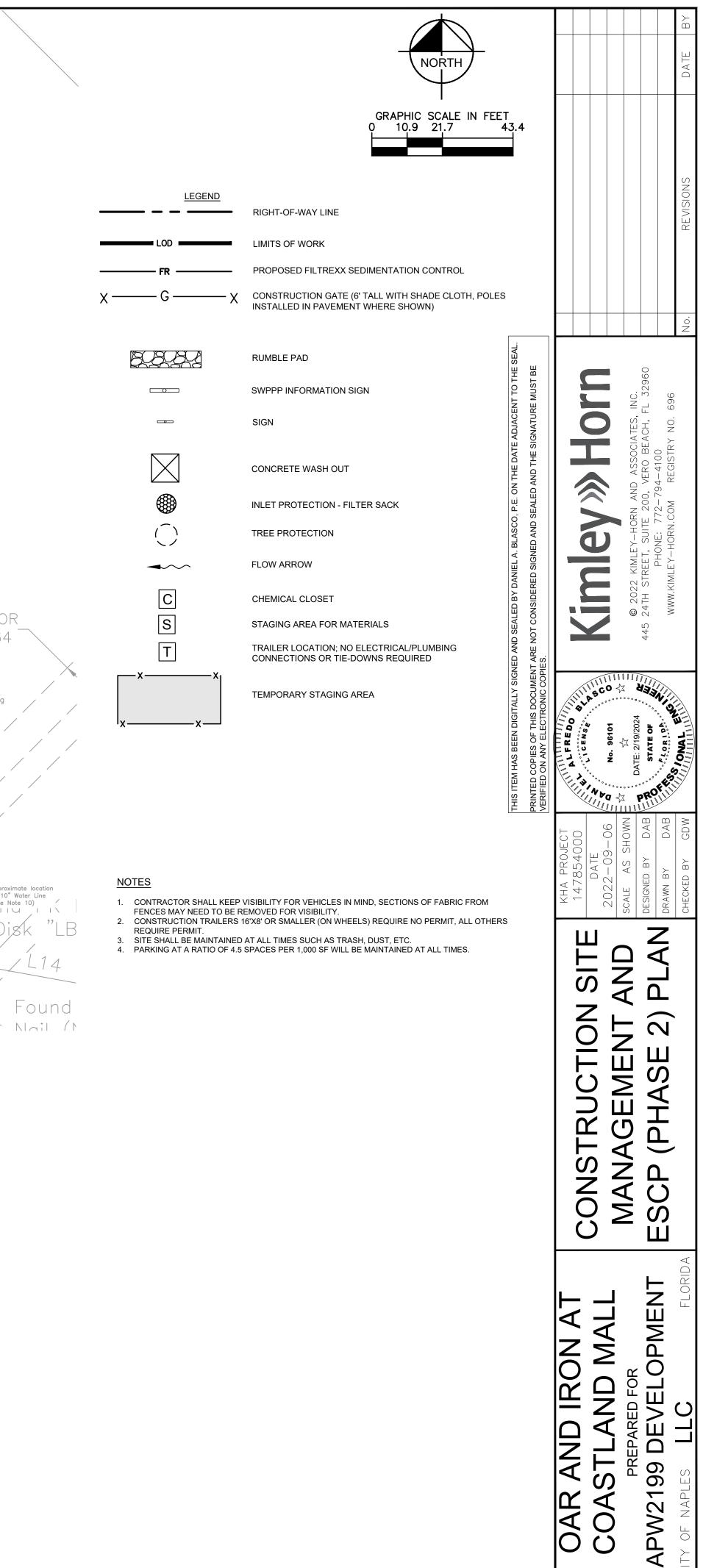
SHEET NUMBER

C-100

NOTE: THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS A GENERAL OVERVIEW AND IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING

IMMEDIATELY, PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND ALL OTHER APPLICABLE LAWS





SHEET NUMBER C-200

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s, Inc.	GENERAL EROSION AND SEDIMENT CONTROL NOTES
Associates,	A. THE STORMWATER POLLUTION PREVENTION PLAN IS COMPRISED OF THE SITE MAP, THIS DRAWING ("THE STANDARD DETAILS"), ATTACHMENTS INCLUDED IN SWPPP DOCUMENT AND/OR FLORIDA GENERIC PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
and	B. 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.
Kimley-Horn	C. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP DOCUMENT AND/OR FLORIDA GENERIC PERMIT. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
to	D. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
iabilit	E. SITE MAP 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.
without liability	F. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
be with	G. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
shall	H. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
Inc.	I. 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.
ates,	J. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
Associates,	K. 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 STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
and	L. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE SITE MAP AND IN THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.
Kimley-Horn	M. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.
by Kimle	N. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
adaptation	O. 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. ONLY USE INGRESS/EGRESS LOCATIONS AS PROVIDED.
	P. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
uthorization and	Q. CONTRACTORS OR SUBCONTRACTORS WILL 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.
uthoriz	R. ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL DEPUTY DEPUTY DEVENUE.

- PERMIT REQUIREMENTS.
- S. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE. U. SEE SITE PLAN FOR PERMANENT AND TEMPORARY SIGNAGE.
- V. GENERAL CONTRACTOR IS TO DESIGNATE/IDENTIFY AREAS ON THE SITE MAPS, INSIDE OF THE LIMITS OF
- DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE. W. REFER TO THE SWPPP DOCUMENT AND/OR FLORIDA GENERIC PERMIT FOR REPORTABLE SPILL QUANTITIES OF PETROLEUM PRODUCTS AND/OR HAZARDOUS WASTES.
- X. REFER TO SWPPP DOCUMENT AND/OR FLORIDA GENERIC PERMIT FOR RUN-OFF SAMPLING/MONITORING REQUIREMENTS IF APPLICABLE TO SITE DURING CONSTRUCTION.
- Y. CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.

BMP MAINTENANCE EROSION NOTES

ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE ALL MEASURES STATED ON THIS 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 IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

- 1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
- 2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND
- RESEEDED AS NEEDED.
- 3. FILTREXX SEDIMENT CONTROL SHALL BE REPAIRED TO ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT CONTROL WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SEDIMENT CONTROL.
- 4. THE CONSTRUCTION EXITS 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 OUNDEDEDUCTOR DESCRIPTION OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
- 5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
- 6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED
- 7. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.
- 8. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

SODDING NOTES

- 1. PROVIDE SOD SPECIES SUITABLE AS LAWN TURF FOR THE REGION. SOD SHALL BE STRONGLY ROOTED, WEED, DISEASE, PEST FREE AND UNIFORM IN THICKNESS
- 2. DO NOT PLACE TOPSOIL UNTIL SUBGRADE HAS BEEN APPROVED IN ACCORDANCE WITH THE EARTHWORK SPECIFICATION.
- BEFORE PLACING TOPSOIL, RAKE TOPSOIL SURFACE CLEAR OF STONES, DEBRIS AND ROOTS. DISK, DRAG, HARROW OR HAND RAKE SUBGRADE TO A DEPTH OF 4" AND REMOVE STONES LARGER THAN 1-1/2" TO PROVIDE BOND FOR
- 4. SPREAD TOPSOIL TO A DEPTH OF 4" BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER LIGHT ROLLING AND NATURAL SETTLEMENT. ADJUST DEPTH OF TOPSOIL IN AREAS ADJACENT TO PAVED SURFACES OR CURBS TO HUGH FOR THE ADJACENT OF COMPACE ADJACENT TO PAVED SURFACES OR CURBS TO ALLOW FOR THE PLACEMENT OF SOD.
- 5. INCORPORATE SOIL AMENDMENTS AND COMMERCIAL FERTILIZER INTO THE TOP 4" OF TOPSOIL TO ACHIEVE THE SPECIFIED TOPSOIL REQUIREMENTS. TILL SOIL TO A HOMOGENOUS MIXTURE OF FINE TEXTURE.
- 6. GRADE AREAS TO FINISH GRADES, FILLING AS NEEDED OR REMOVING SURPLUS TOPSOIL. FLOAT AREAS TO SMOOTH, UNIFORM GRADES AS INDICATED ON DRAWINGS.
- 7. CUT AND LAY SOD ON SAME DAY. ONLY HEALTHY VIGOROUS GROWING SOD SHALL BE LAID.
- LAY SOD ACROSS SLOPE AND TIGHTLY TOGETHER TO RESULT IN SOLID COVERAGE FREE OF GAPS.
- ROLL OR FIRMLY BUT LIGHTLY TAMP NEW SOD WITH SUITABLE WOODEN OR METAL TAMPER SUFFICIENTLY TO SET OR PRESS SOD INTO UNDERLYING SOIL.
- 10. ALL FINISHED SODDING SHALL BE SMOOTH AND FREE OF LUMPS AND DEPRESSIONS
- 11. AFTER SODDING HAS BEEN COMPLETED, CLEAN UP AND THOROUGHLY WATER NEWLY-SODDED AREAS.

ONSITE BEST MANAGEMENT PRACTICES SEQUENCE

NOTE: UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, MASON'S AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOTE ANY OFF-SITE AREAS WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAPS.

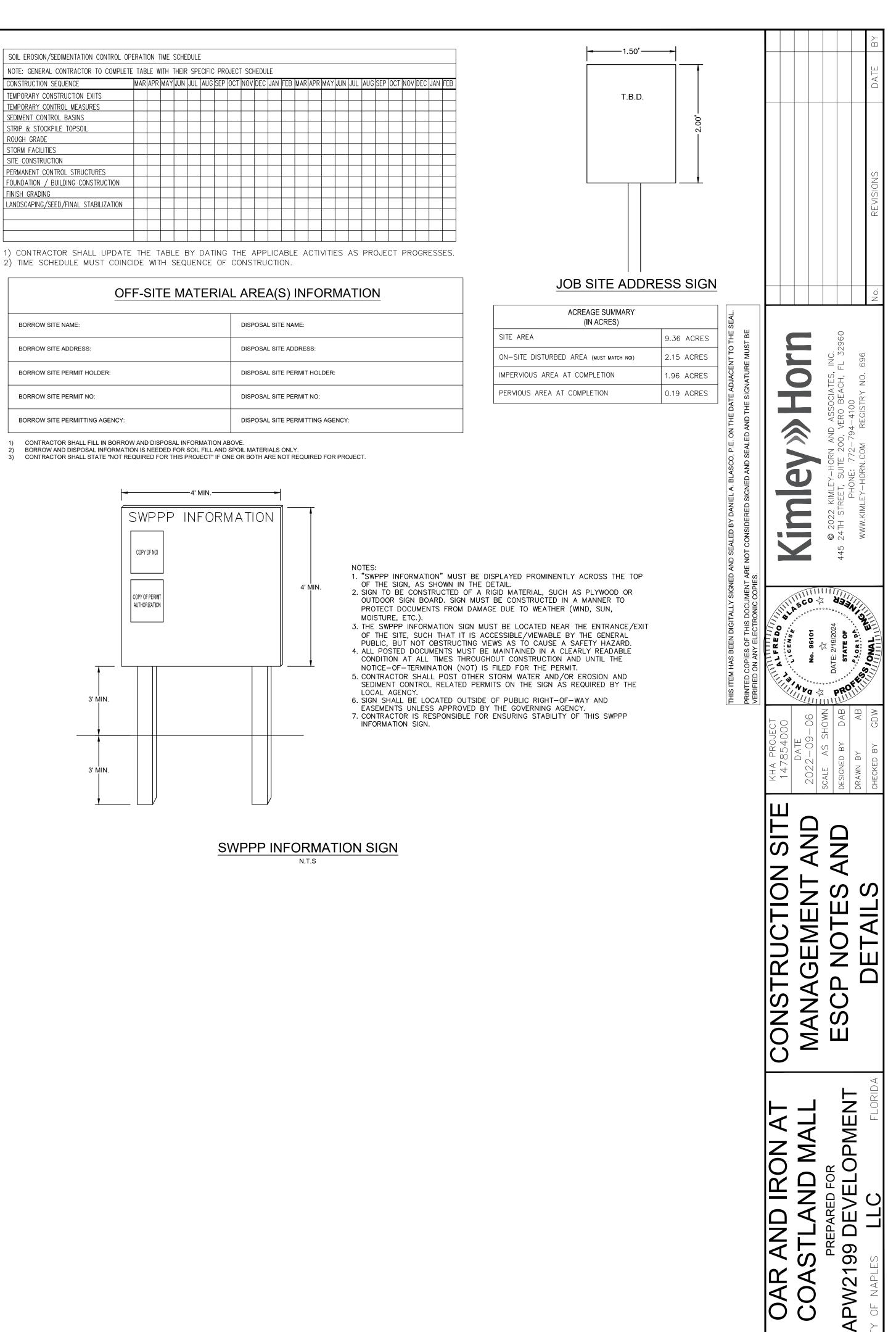
PHASE I 1. SUBMIT NOTICE OF INTENT TO STATE.

- INSTALL STABILIZED CONSTRUCTION EXIT(S) AND SWPPP ENTRANCE SIGN. INSTALL FILTREXX SEDIMENTATION CONTROL.
- PREPARE TEMPORARY PARKING AND STORAGE AREA. 5. CONSTRUCT PROTECTIVE FENCE AROUND ANY LAND TO BE PRESERVED IF NECESSARY, INCLUDING TRFFS
- 6. INSTALL INLET PROTECTION. BEGIN DEMOLITION OF THE SITE.
- BEGIN WATER LINE INSTALLATION
- 9. BEGIN SANITARY SEWER. 10. BEGIN STORM SYSTEM.
- 11. BEGIN UTILITIES.
- 12. BEGIN FILL OPERATIONS. 13. BEGIN PAVING.
- 14. BEGIN LANDSCAPE AND IRRIGATION.
- 15. STABILIZE THE SITE. 16. PREPARE AND SUBMIT NOTICE OF TERMINATION PACKAGE TO STATE ONCE APPROVED BY KHA/OWNER.

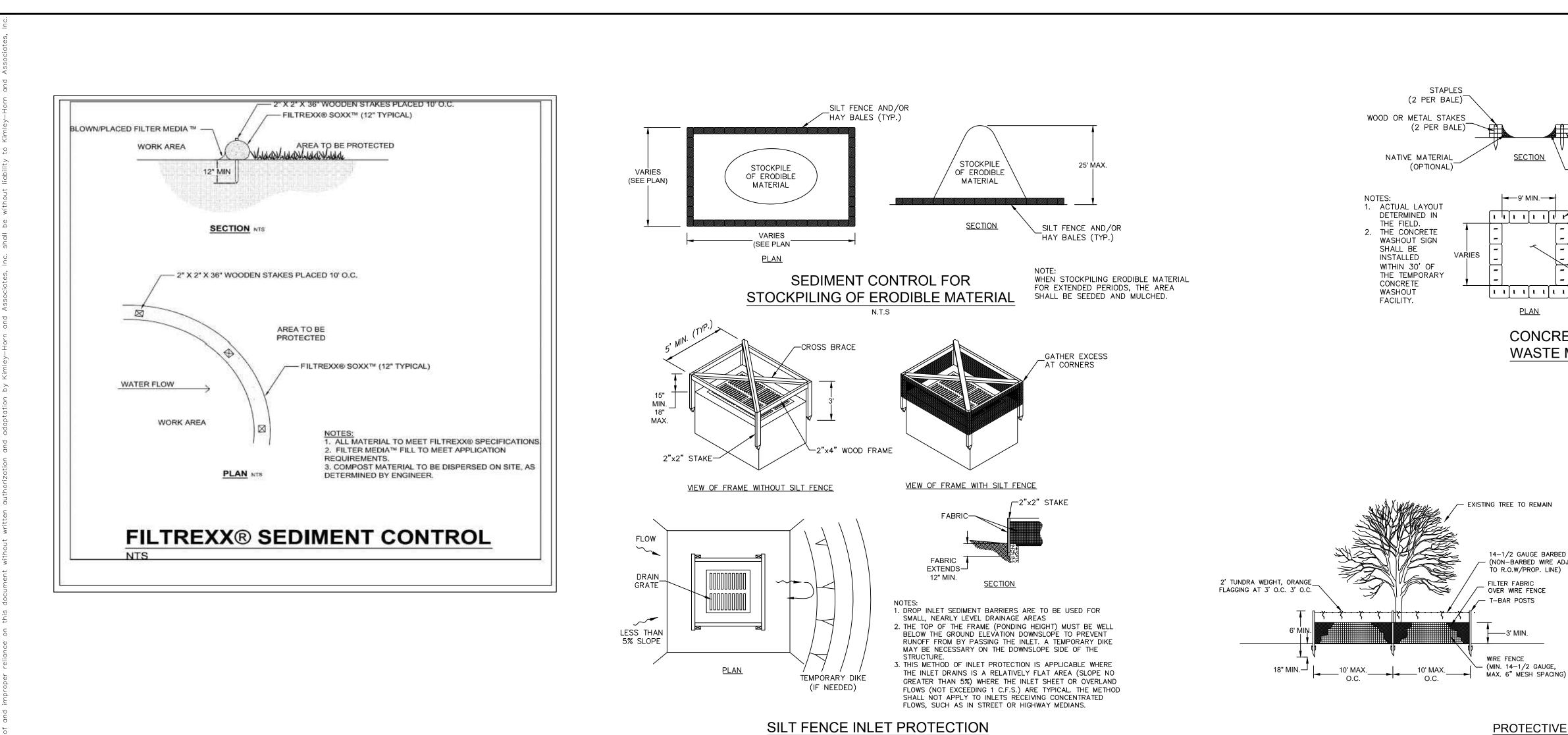
SOIL EROSION/SEDIMENTATION CONTROL OPP	ERATI	ON 1	IME	SCHE	DULE					
NOTE: GENERAL CONTRACTOR TO COMPLETE	TAB	LE W	1TH -	THEIR	SPE	CIFIC	; PRC)JEC1	r sch	HED
CONSTRUCTION SEQUENCE	MAR	APR	MAY	JUN	JUL	AUG	SEP	0CT	NOV	DE
TEMPORARY CONSTRUCTION EXITS										
TEMPORARY CONTROL MEASURES										
SEDIMENT CONTROL BASINS										
STRIP & STOCKPILE TOPSOIL										
ROUGH GRADE										
STORM FACILITIES										
SITE CONSTRUCTION										
PERMANENT CONTROL STRUCTURES										
FOUNDATION / BUILDING CONSTRUCTION										
FINISH GRADING										
LANDSCAPING/SEED/FINAL STABILIZATION										

BORROW SITE NAME:	DISPOSA
BORROW SITE ADDRESS:	DISPOSA
BORROW SITE PERMIT HOLDER:	DISPOSA
BORROW SITE PERMIT NO:	DISPOS
BORROW SITE PERMITTING AGENCY:	DISPOS

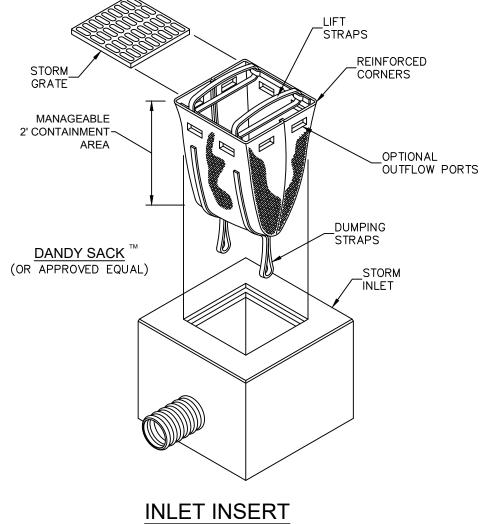
1) CONTRACTOR SHALL FILL IN BORROW AND DISPOSAL INFORMATION ABOVE. BORROW AND DISPOSAL INFORMATION IS NEEDED FOR SOIL FILL AND SPOIL MATERIALS ONLY.



SHEET NUMBER C-201







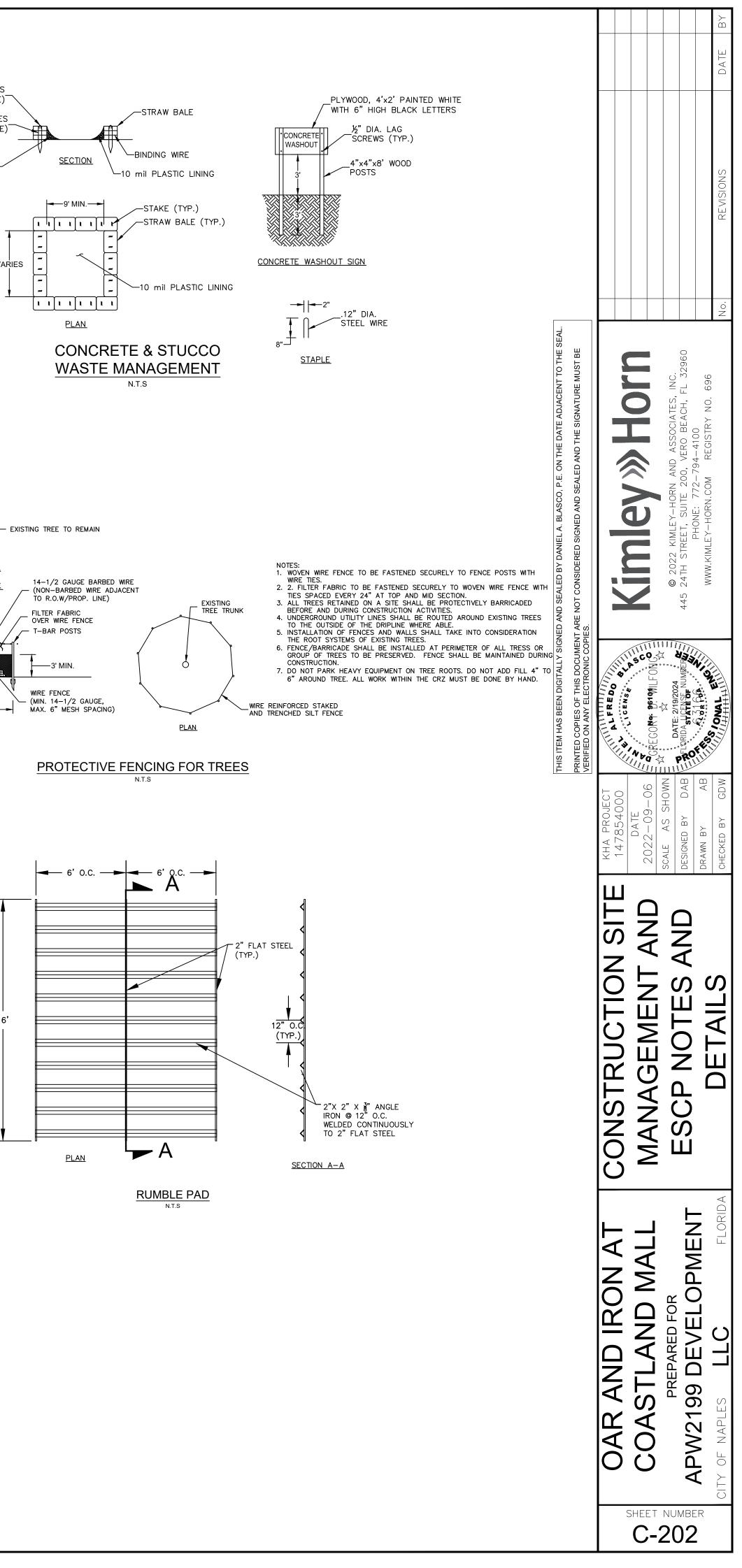
N.T.S

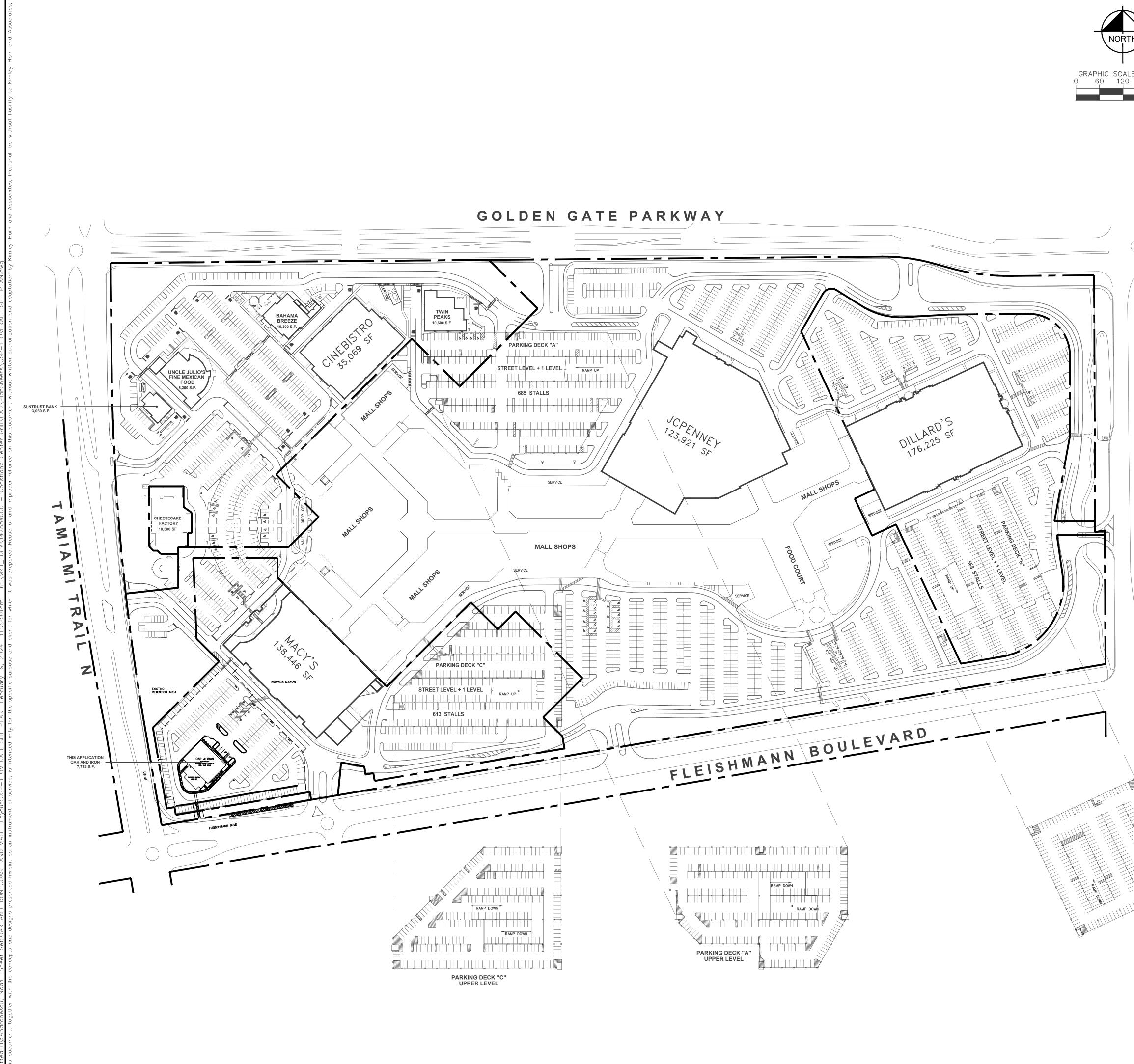
LOW TO MODERATE FLOW (GEOTEXTILE FABRIC	SPECIFICATION TABLE
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH GRAB TENSILE ELONGATION PUNCTURE MULLEN BURST TRAPEZOID TEAR UV RESISTANCE APPARENT OPENING SIZE FLOW RATE PERMITTIVITY	ASTM D-4632 ASTM D-4632 ASTM D-4833 ASTM D-3786 ASTM D-4533 ASTM D-4555 ASTM D-4355 ASTM D-4751 ASTM D-4491 ASTM D-4491	300 LBS 20 % 120 LBS 800 PSI 120 LBS 80 % 40 US SIEVE 40 GAL/MIN/SQ FT 0.55 SEC -1
MODERATE TO HIGH FLOW	GEOTEXTILE FABRIC	
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH GRAB TENSILE ELONGATION PUNCTURE MULLEN BURST TRAPEZOID TEAR UV RESISTANCE APPARENT OPENING SIZE FLOW RATE PERMITTIVITY	ASTM D-4632 ASTM D-4632 ASTM D-4833 ASTM D-3786 ASTM D-4533 ASTM D-4555 ASTM D-4751 ASTM D-4491 ASTM D-4491	265 LBS 20 % 135 LBS 420 PSI 45 LBS 90 % 20 US SIEVE 200 GAL/MIN/SQ FT 1.5 SEC -1

16'

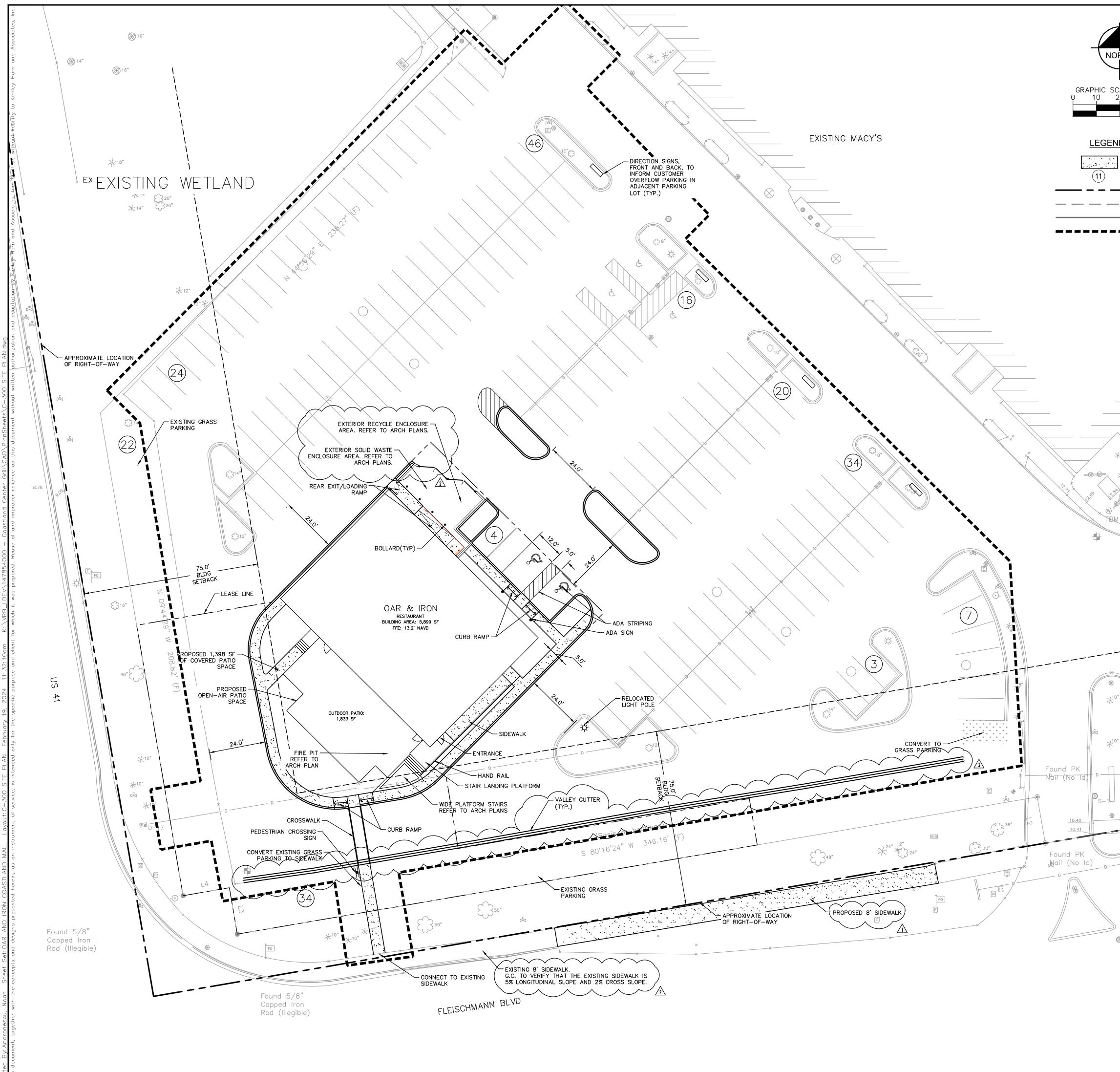
NOTES:
 FOR TEMPORARY USE TO CAPTURE LARGER DIAMETER SEDIMENTS. NOT TO BE UTILIZED AS THE ONLY SEDIMENT CONTAINMENT SYSTEM
 GEOTEXTILE WILL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEED REQUIREMENTS IN THE SPECIFICATIONS TABLE.
 AN OIL ADSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.
 INSPECT PER REGULATORY REQUIREMENTS.

N.T.S

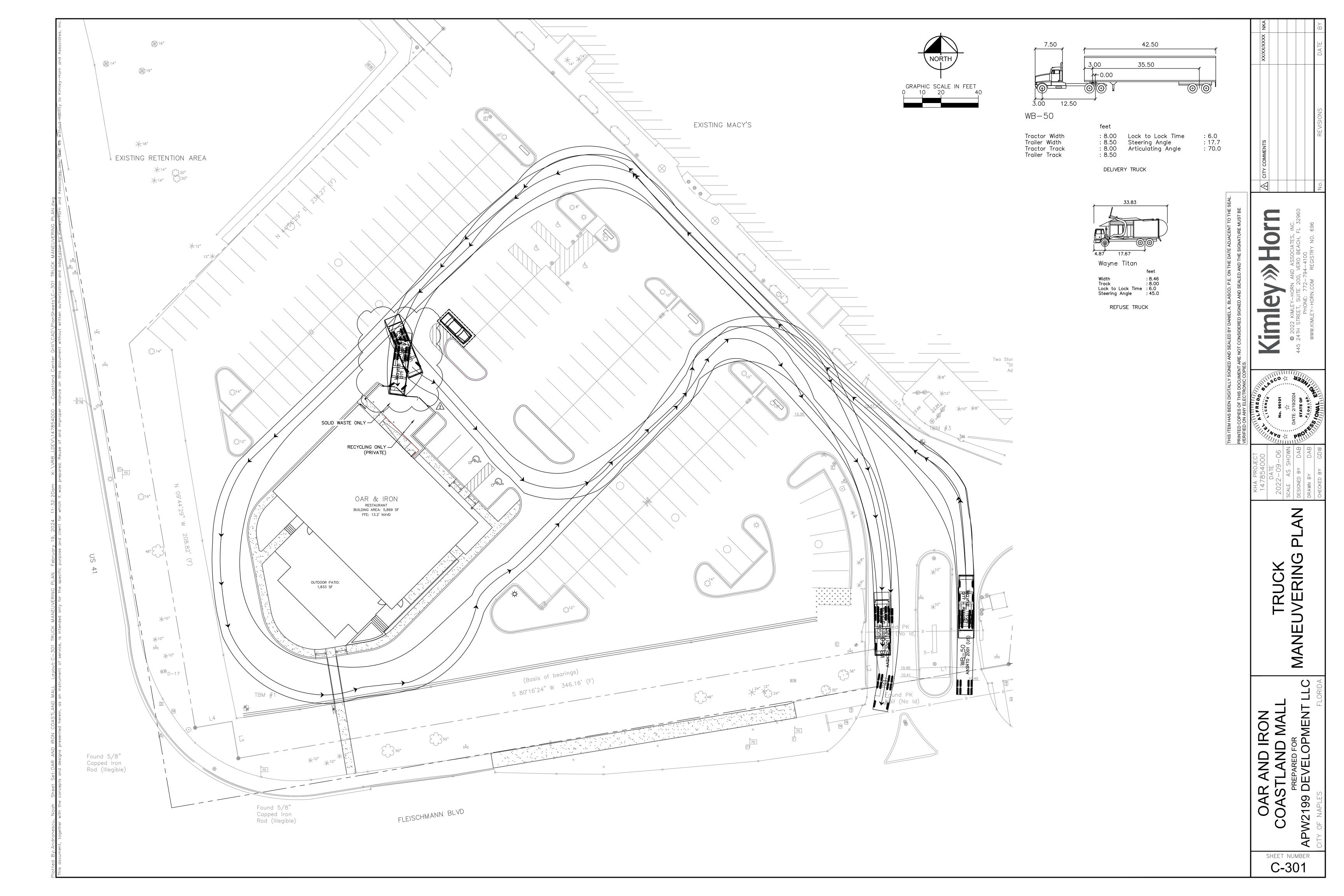


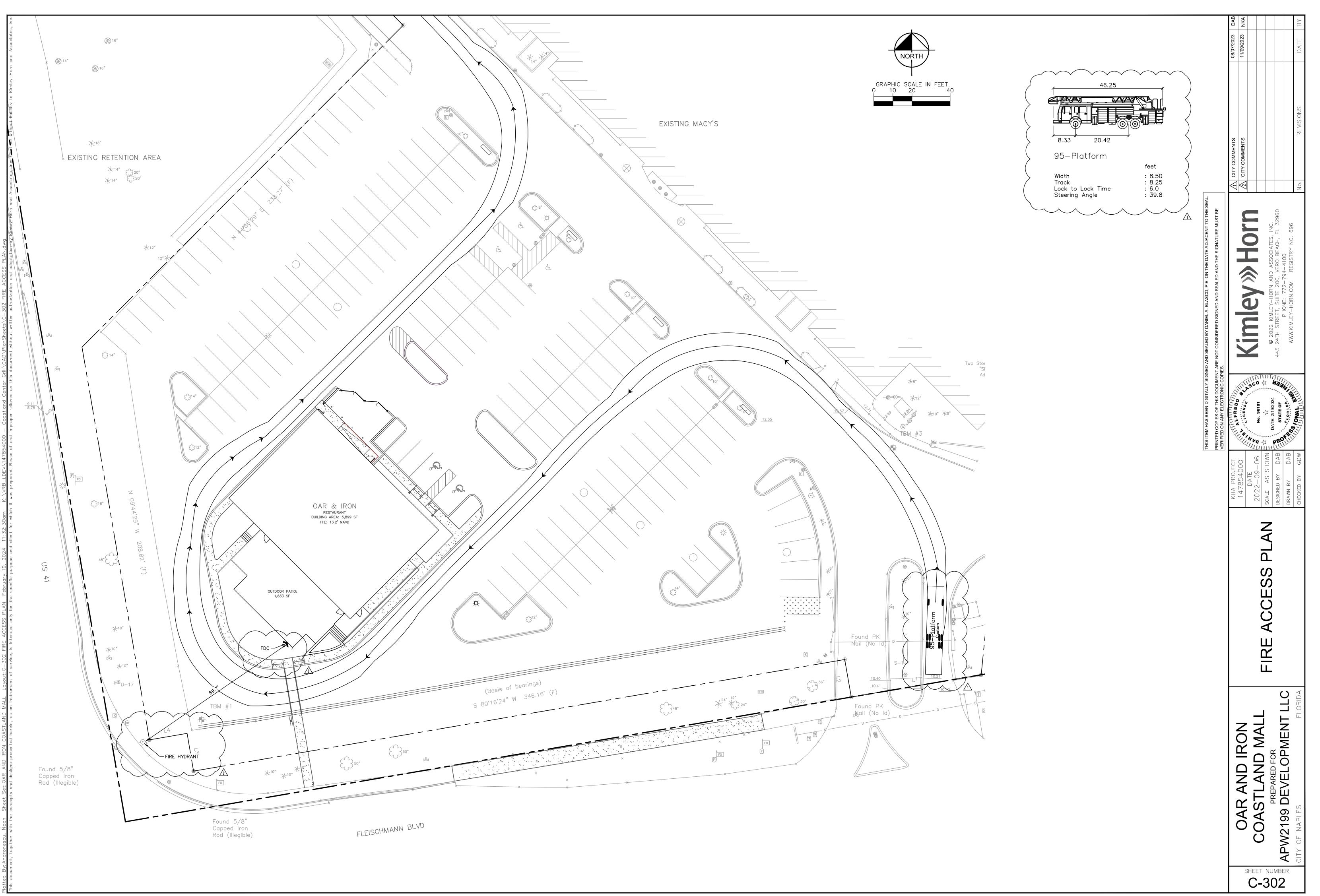


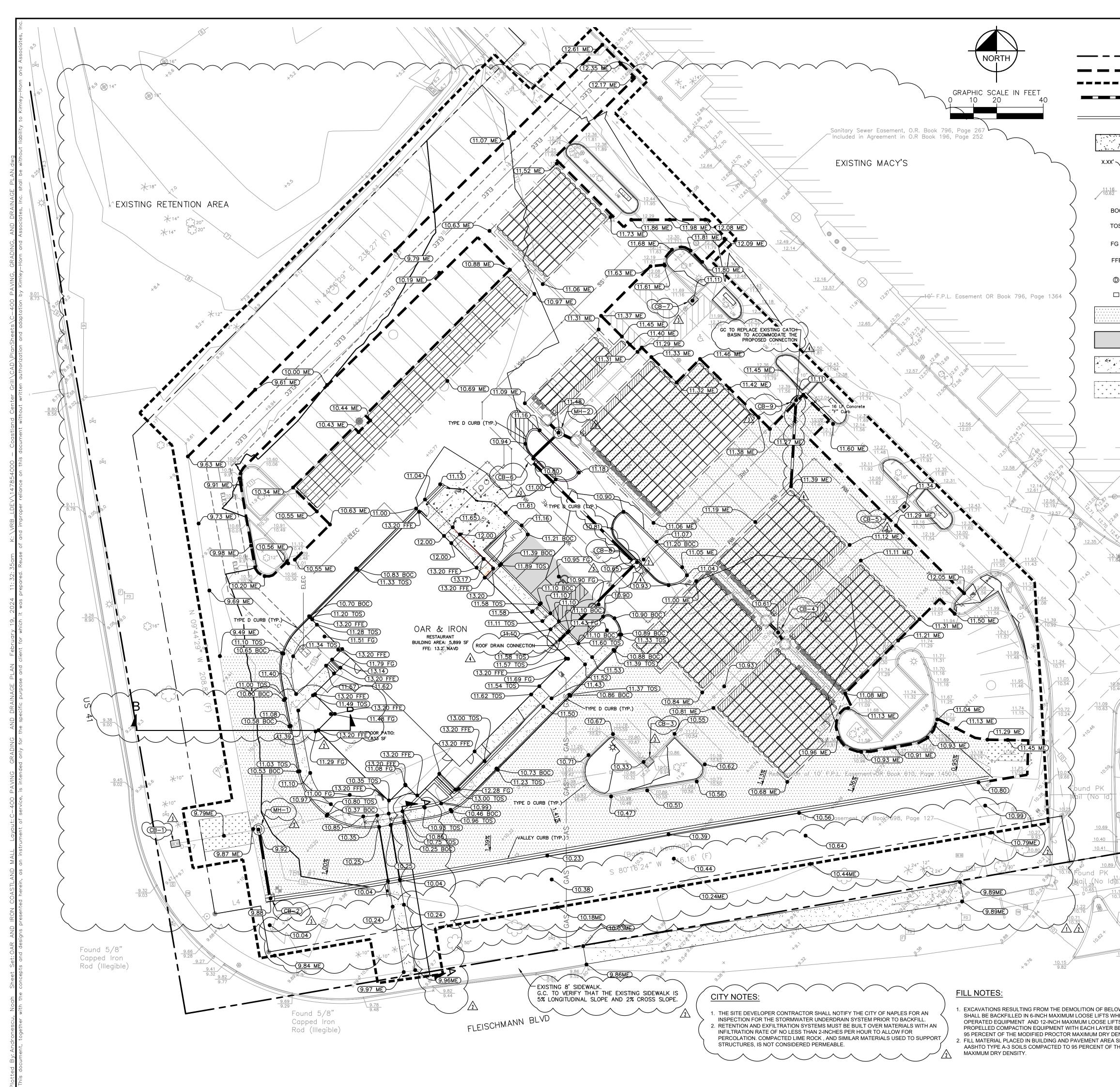
		B
\sim	SITE DATA TABLE	
	EXISTING COASTLAND SHOPPING CENTER DATA (18-SP-22) (FROM PRIOR APPROVALS: ORDINANCE 92-608)	DATE
н	LAND USE: MIX USE ZONING: PD (PLANNED DEVELOPMENT DISTRICT)	
	TOTAL SHOPPING CENTER AREA: APPROX. 70 ACRES TOTAL BUILDING AREA: 929,001 S.F.	
E IN FEET 240	TOTAL PARKING REQUIRED: 4,181 STALLS (4.5/1000) TOTAL PARKING PROVIDED: 4,181 STALLS (4.5/1000) WHICH INCLUDES:	
	2,680 STALLS (ON GRADE) 82 HANDICAP STALLS	S S
	302 COMPACT STALLS (7%) 195 GRASS PARKING (ON GRADE)	REVISIONS
	922 STALLS (PARKING DECKS) MAXIMUM HEIGHT: 42'	RE
	MINIMUM BUILDING SETBACK: 75' PARKING STALL SIZES: 9'X18'	
	DRIVE WAYS: 24' TWO WAY, 12 ONE WAY	
	DEVELOPMENT DATA AFTER SEARS DEMOLITION (18-SP-22):	
	TOTAL BUILDING AREA TO BE DEMOLISHED: 151,899 SF SEARS (FIRST FLOOR): 84,696 S.F. SEARS (SECOND FLOOR): 67,203 S.F.	
V	SEARS (FIRST FLOOR): 84,696 S.F. SEARS (SECOND FLOOR): 67,203 S.F.TOTAL BUILDING AREA TO REMAIN: 777,203 S.F.NEW BUILDING DATA:SQUARE FOOTAGE (SF)REQUIRED PARKINGTHEATER: (4.5 STALLS/1000 S.F.)36,232164RESTAURANTS: (4.5 STALLS/1000 S.F.)30,740139BANK:(4.5 STALLS/1000 S.F.)3,06014TOTAL70,032317	
	NEW BUILDING DATA:SQUARE FOOTAGE (SF)REQUIRED PARKINGHHHHHHHHUHHUHHUUHHUUU	FL 32960 FL 32960
	RESTAURANTS: (4.5 STALLS/1000 S.F.) 30,740 139 In the second seco	CH, FL NO. 69
\cap (Г		R EA
	PARKING PROVIDED FOR NEW DEVELOPMENT: PROVIDED REQUIRED PROVIDED STANDARD STALLS (9'X18'): 309 313 14 TOTAL 317 327 (4.74 STALLS/1000) (SEE NOTE 1)	AS VERC VERC FI-41
	STANDARD STALLS (9'X18'):309313No<	AND 200, 1 200, 2 200, 1 2 2 200, 1 2 2 0 0 M
	TOTAL 317 327 (4.74 STALLS/1000) (SEE NOTE 1)	HORN UITE 2 2: 772 RN.CC
A	TOTAL 317 327 (4.74 STALLS/1000) (SEE NOTE 1) 0	MLEY-HORN FHONE: CY-HORN
l	 NOTE 1: THE SHOPPING CENTER CURRENTLY SHARES PARKING BETWEEN ALL EXISTING AND PROPOSED USERS. 2: A TOTAL OF 43 PAVED PARKING STALLS WILL BE REMOVED AND GRASS STALLS INSTALLED IN ANOTHER PORTION OF SHOPPING CENTER. OPEN SPACE EXISTING (WITHIN LIMITS OF WORK): 1.92 ACRES PROPOSED OPEN SPACE (WITHIN LIMITS OF WORK): 2.08 ACRES MINIMUM FINISH FLOOR ELEVATION REQUIRED: 13.2' NAVD88 MINIMUM FINISH FLOOR ELEVATION PROPOSED: 13.2' NAVD88 MINIMUM FINISH FLOOR ELEVATION PROPOSED: 13.2' NAVD88 MINIMUM FINISH FLOOR ELEVATION PROPOSED: 13.2' NAVD88 MINIMUM FINISH FLOOR STALLS WILL BE REMOVED AS PART OF THE SEARS BUILDING AND SITE DEMOLITION. THE TOTAL REQUIRED PARKING FOR THE TWO STORY SEAR BUILDING IS BASED ON 151,899 SF WHICH IS 684 STALLS, THEREFORE THERE IS A SURPLUS OF 346 PARKING STALLS. 2. THE SIDEWALKS, STORAGE AREA FOR EQUIPMENT, LANDSCAPING AND BUILDING WILL BE BY SEPARATE BUILDING PERMIT. 	
R C	OPEN SPACE EXISTING (WITHIN LIMITS OF WORK): 1.92 ACRES Image: Comparison of the second	© 2022 24TH ST WWW.KIN
×	MINIMUM FINISH FLOOR ELEVATION REQUIRED: 13.2' NAVD88 U MINIMUM FINISH FLOOR ELEVATION PROPOSED: 13.2' NAVD88 U	445 2
Z		
	NOTE: 1. A TOTAL OF 338 PARKING STALLS WILL BE REMOVED AS PART OF THE SEARS BUILDING AND SITE DEMOLITION. THE TOTAL REQUIRED PARKING FOR THE TWO STORY SEAR BUILDING IS BASED ON 151,899 SF WHICH IS 684 STALLS, THEREFORE THERE IS A SURPLUS OF 346 PARKING STALLS. Y U U U U U U U U U U U U U U U U U U U	NULL CO
	BUILDING IS BASED ON 151,899 SF WHICH IS 684 STALLS, THEREFORE THERE IS A SURPLUS OF 346 PARKING STALLS.	UMBER UNBER
	2. THE SIDEWALKS, STORAGE AREA FOR EQUIPMENT, LANDSCAPING AND BUILDING WILL BE BY SEPARATE BUILDING PERMIT.	
		DATE: 2 DATE: 2 DATE: 2 DASHC
	PREVIOUSLY REVISED COASTLAND SHOPPING CENTER DATA (18-SP-22 & UNCLE JULIOS 19-DRB37) 0 TOTAL BUILDING AREA: 772,203 S.F. + 70,032 S.F. = 842,235 S.F. 0 TOTAL PARKING REMOVED: 296 STALLS (ON GRADE) NEAR SEARS 0	A C C C C C C C C C C C C C C C C C C C
	7 STALLS (PARKING DECK) 43 GRASS STALLS (THESE STALLS NEAR SEARS	
	WILL BE MOVED TO NEW LOCATION) (SEE SHEET C-301)	PROJ DATE DATE 2-09 AS S AS S AS S BY
U U	TOTAL: 345 STALLS (REMOVED) TOTAL PARKING REQUIRED: 3,790 TOTAL STALLS (BASED ON 842,235 S.F.: 4.5 STALLS/1000 S.F.)	KHA 1478 2022 2022 Scale DESIGNED DRAWN B DRAWN B CHECKED
	TOTAL PARKING REQUIRED: 3,790 TOTAL STALLS (BASED ON 842,235 S.F.: 4.5 STALLS/1000 S.F.)	
	2,652 STALLS (ON GRADE)	Z
	90 HANDICAP STALLS 302 COMPACT STALLS (7.26%)	
	200 GRASS PARKING (ON GRADE)	
	915 STALLS (PARKING DECKS)	μ
	UNCLE JULIOS (19-DRB37): TOTAL PARKING REQUIRED: 317 STALLS	
ſ	TOTAL PARKING PROVIDED: 332 STALLS	N N
	SURPLUS PARKING AT END OF PROJECT: 369 STALLS	
•		A
Λ		
	PROPOSED COASTLAND SHOPPING CENTER DATA: ALLOWABLE BUILDING AREA (GLA): 955,000 SF	
	TOTAL BUILDING AREA: 842,235 S.F. + 5,899 S.F. + 1,833 S.F. (OUTDOOR DINING) = 849,967 S.F.	Ó
	NEW BUILDING DATA: SQUARE FOOTAGE (SF) REQUIRED PARKING	
ŧ.	RESTAURANT INCLUDING PATIO (4.5 STALLS/1000 SF)7,732 S.F.35 SPACES	
THE REAL	TOTAL PARKING REMOVED: 61 STALLS (ON GRADE) NEAR MACY'S	L FLORIDA
	TOTAL PARKING REQUIRED: 3,825 TOTAL STALLS (BASED ON 849,967 S.F.: 4.5 STALLS/1000 S.F.)	
	TOTAL PARKING PROVIDED: 4,098 STALLS (4.79/1000) WHICH INCLUDES:	Q M ■
	2,589 STALLS (ON GRADE) 92 HANDICAP STALLS	
PARKING DECK "B" UPPER LEVEL	302 COMPACT STALLS (7.4%)	REPARED FOR TLAND PREPARED FOR DEVELOP
	200 GRASS PARKING (ON GRADE) 915 STALLS (PARKING DECKS)	
	TOTAL SURPLUS PARKING: 273	
		OAF OAS 2199 NAPLES
		AP CITY
		SHEET NUMBER
		OSP-1



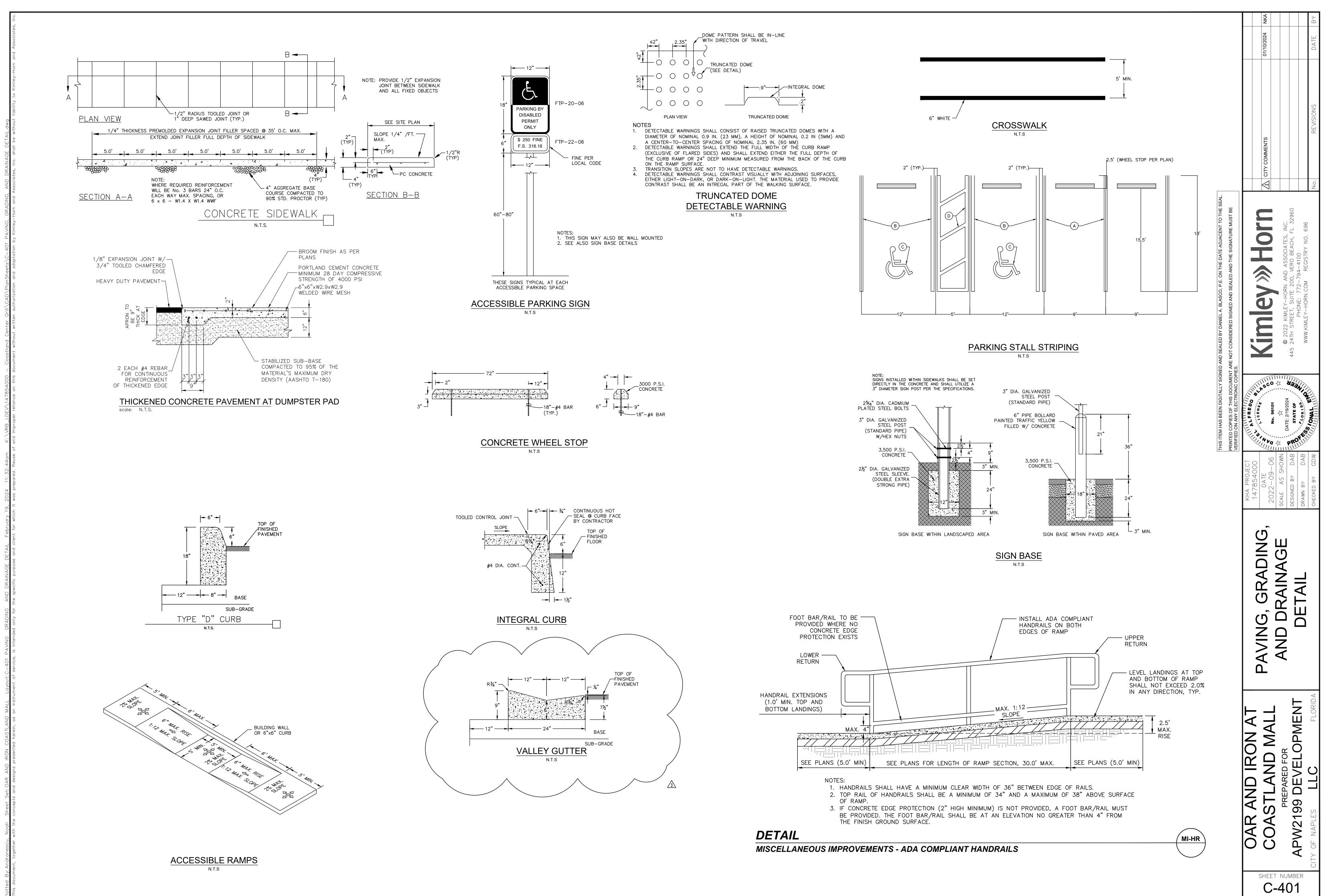
		SITE DATA TABLE					DIKA	
	}_	EXISTING COASTLAND SHOPPING CENTE (FROM PRIOR APPROVALS: ORDINANCE 9			08/07/2023	10/31/2023	01/10/2023	
	/	LAND USE: MIX USE ZONING: PD (PLANNED DEVELOPMENT			0	- (2 	
I SCALE II	N FEET	TOTAL SHOPPING CENTER AREA: APPRO TOTAL BUILDING AREA: 929,001 S.F.)X. 70 ACRES					
20	40	TOTAL PARKING REQUIRED: 4,181 STALL TOTAL PARKING PROVIDED: 4,181 STALL	LS (4.5/1000) WHICH INCLUDES:					
		82 HANDICAI						
<u>END</u>		195 GRASS F	CT STALLS (7%) PARKING (ON GRADE)					
	CONCRETE SIDEWALK	MAXIMUM HEIGHT: 42'	(PARKING DECKS)		ЧТS	٨TS	VTS	
	PARKING SPACE COUNT	MINIMUM BUILDING SETBACK: 75' PARKING STALL SIZES: 9'X18'			COMMENTS	COMMENTS	COMMENTS	
		DRIVE WAYS: 24' TWO WAY, 12 ONE WAY			CITY C	-		
	75' BUILDING SETBACK PROPOSED TYPE D CURB	DEVELOPMENT DATA AFTER SEARS DEM TOTAL BUILDING AREA TO BE DEMOLISHE			$\overline{\triangleleft}$			
	LIMITS OF WORK		SEARS (SECOND FLOOR): 67,203 S.F.	SEAL.			<u> </u>	
		NEW BUILDING DATA: SQUAF	RE FOOTAGE (SF) REQUIRED PARKING	JACENT TO THE ATURE MUST BE		5		, INC. FL 32960 696
		, , ,	36,232 164 30,740 139	CENT 1 URE MI				, INC. FL 3 . 696
			<u>3,060 14</u> 70,032 317	E ADJA SIGNAT				SOCIATES, D BEACH, I 00 STRY NO.
		PARKING PROVIDED FOR NEW DEVELOPM		HE DAT	1) ASSOCIA VERO BEA 4-4100 REGISTRY
			309 313	ED ANI				ANU 0, 10
			8 14 317 327 (4.74 STALLS/1000) (SEE NOTE 1)	CO, P.E D SEAL				72- 72- 00M
		NOTE 1: THE SHOPPING CENTER CURREN PROPOSED USERS.	NTLY SHARES PARKING BETWEEN ALL EXISTING AND	A. BLAS VED AN				MLEY-HOH EET, SUITE PHONE: 7 EY-HORN.(
			STALLS WILL BE REMOVED AND GRASS STALLS IN OF SHOPPING CENTER.	BEEN DIGITALLY SIGNED AND SEALED BY DANIEL A. BLASCO, P.E. ON THE DATE ADJACENT TO THE SEAL. ES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE NY ELECTRONIC COPIES.		(
_		OPEN SPACE EXISTING (WITHIN LIMITS OF		ED BY C VSIDER	.	2		© 2022 24TH ST WWW.KIN
		PROPOSED OPEN SPACE (WITHIN LIMITS MINIMUM FINISH FLOOR ELEVATION REQU	UIRED: 13.2' NAVD88) SEALE OT CON				445 24 W
	— ————————————————————————————————————		POSED: 13.2' NAVD88	ED ANC . ARE N	'			V
*8"	Ad	1. A TOTAL OF 338 PARKING STALLS W AND SITE DEMOLITION. THE TOTAL	WILL BE REMOVED AS PART OF THE SEARS BUILDING . REQUIRED PARKING FOR THE TWO STORY SEAR	FALLY SIGNED DOCUMENT A ONIC COPIES			\\\\\\\ CO ☆	NIIII Vaaa
X12"		SURPLUS OF 346 PARKING STALLS.		DIGITALLY THIS DOCL ECTRONIC		O TA	,	
Not the second s	*10" *8"	2. THE SIDEWALKS, STORAGE AREA F BE BY SEPARATE BUILDING PERMIT	FOR EQUIPMENT, LANDSCAPING AND BUILDING WILL T.	S OF TH Y ELEC	RED	E N S F	96101 六	DATE: 2/19/202 STATE OF
		PREVIOUSLY REVISED COASTLAND SHOPPI	ING CENTER DATA (18-SP-22 & UNCLE JULIOS 19-DRB3	2): HAS			No.	STP STP
BM #3	× USA	TOTAL BUILDING AREA: 772,203 S.F. + 70,032		THIS ITEM HAS PRINTED COPIE VERIFIED ON AI			•••••••••••••••••••••••••••••••••••••	PROFIL
		TOTAL PARKING REMOVED: 296 STALLS (ON 7 STALLS (PARKI					00 00	DAB DAB
	*		LS (THESE STALLS NEAR SEARS		ЧE ОЕ	4000	I Ī.	
		TOTAL: 345 STAL	TO NEW LOCATION) (SEE SHEET C-301)		С.	7854	2-09 AS	
			FALLS (BASED ON 842,235 S.F.: 4.5 STALLS/1000 S.F.)		КНА	4	202 Scale	DESIGNED DRAWN B
		TOTAL PARKING PROVIDED: 4,159 STALLS (4	4.90/1000) WHICH INCLUDES:					
		2,652 STALLS (OI 90 HANDICAP ST						
		302 COMPACT S	STALLS (7.26%)					
*		200 GRASS PARI 915 STALLS (PAR	RKING (ON GRADE)				7	•
*)0		915 STALLS (PAR	RKING DECKS)				PI AN	
×10" *		TOTAL PARKING REQUIRED:	317 STALLS]
	A ANA A	TOTAL PARKING PROVIDED:	332 STALLS					
,10"		SURPLUS PARKING AT END OF PROJECT:	369 STALLS				Ë	-
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×		PROPOSED COASTLAND SHOPPING CEN						
×		PROPOSED COASTLAND SHOPPING CENT ALLOWABLE BUILDING AREA (GLA): 955,00	100 SF					
*	10.21	ALLOWABLE BUILDING AREA (GLA): 955,00 TOTAL BUILDING AREA: 842,235 S.F. + 5,89	899 S.F. + 1,833 S.F. (OUTDOOR DINING) = 849,967 S.F.					
×		ALLOWABLE BUILDING AREA (GLA): 955,00 TOTAL BUILDING AREA: 842,235 S.F. + 5,89 <u>NEW BUILDING DATA:</u>	399 S.F. + 1,833 S.F. (OUTDOOR DINING) = 849,967 S.F. SQUARE FOOTAGE (SF) REQUIRED F	PARKING				() <
×	10.21 10.40	ALLOWABLE BUILDING AREA (GLA): 955,00 TOTAL BUILDING AREA: 842,235 S.F. + 5,88 <u>NEW BUILDING DATA:</u> RESTAURANT INCLUDING PATIO (4.5 STAL	399 S.F. + 1,833 S.F. (OUTDOOR DINING) = 849,967 S.F. SQUARE FOOTAGE (SF) REQUIRED F	PARKING				LC LC
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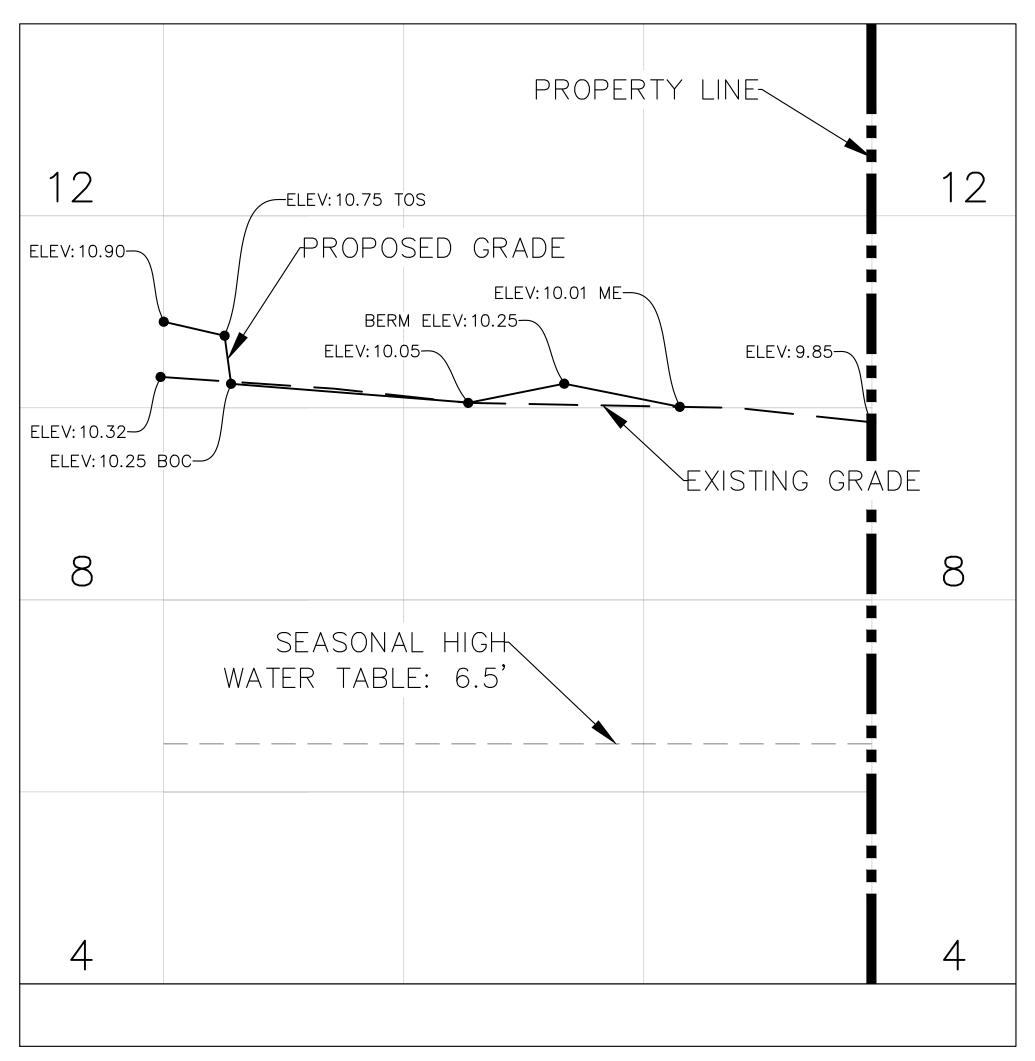


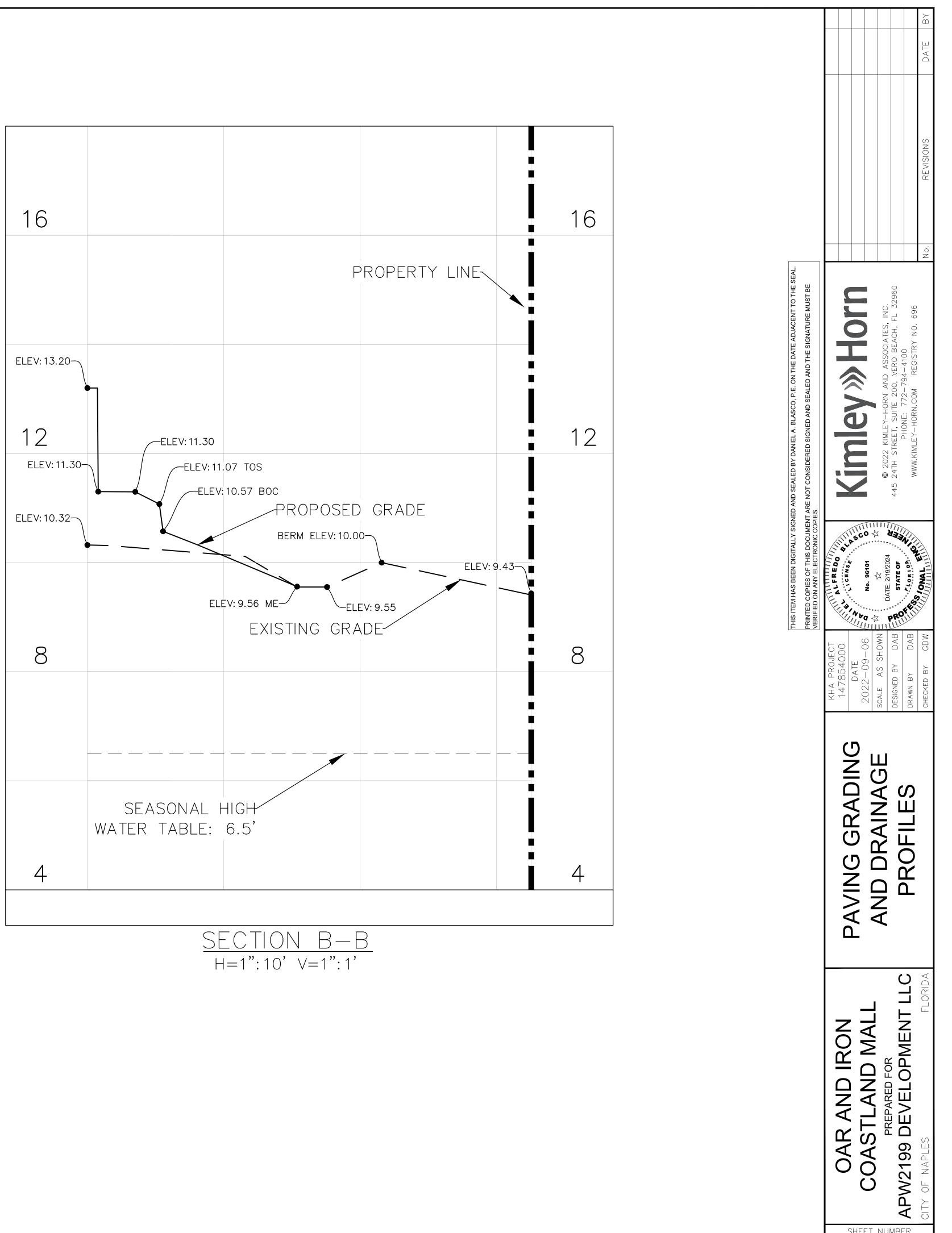




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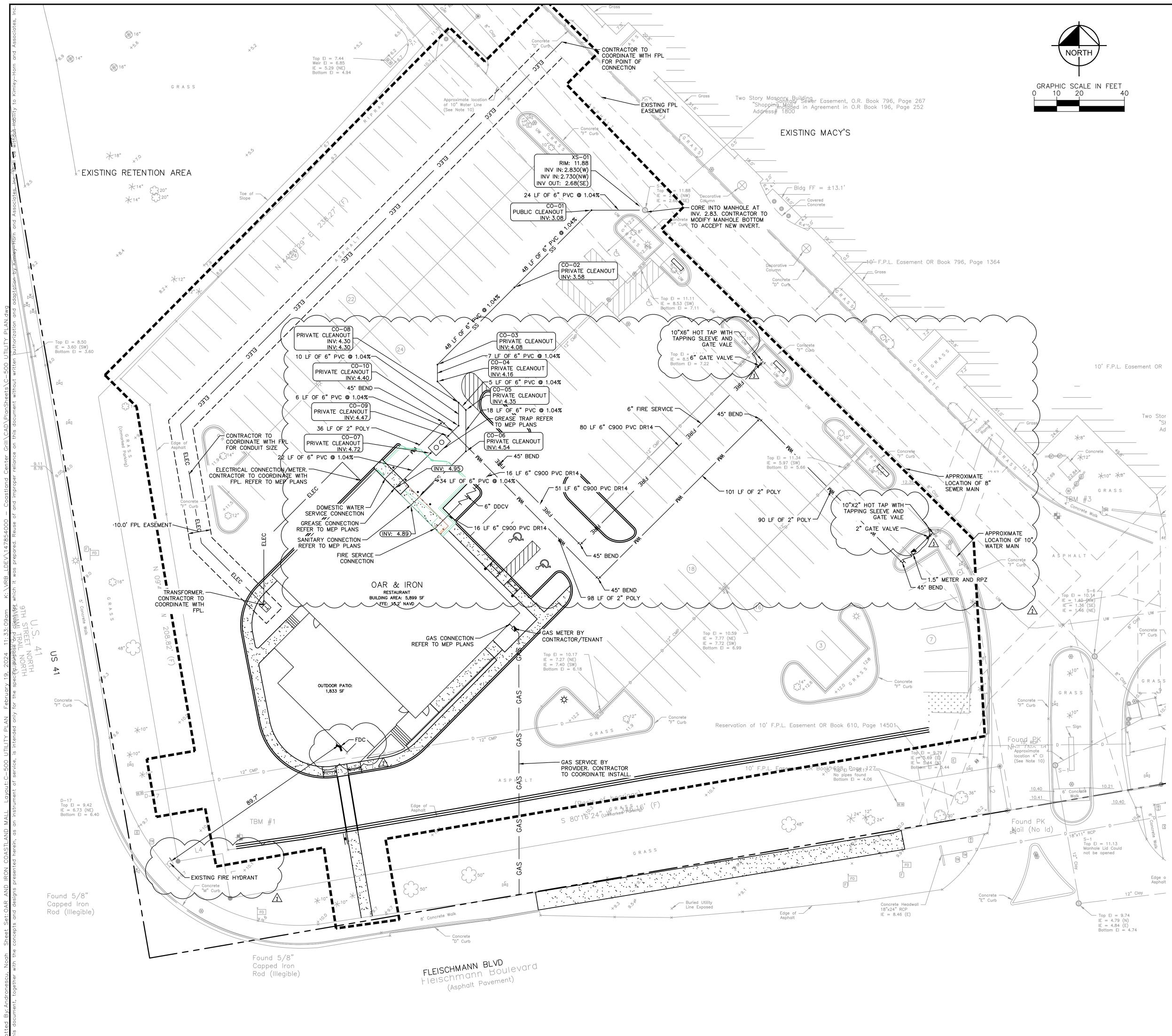




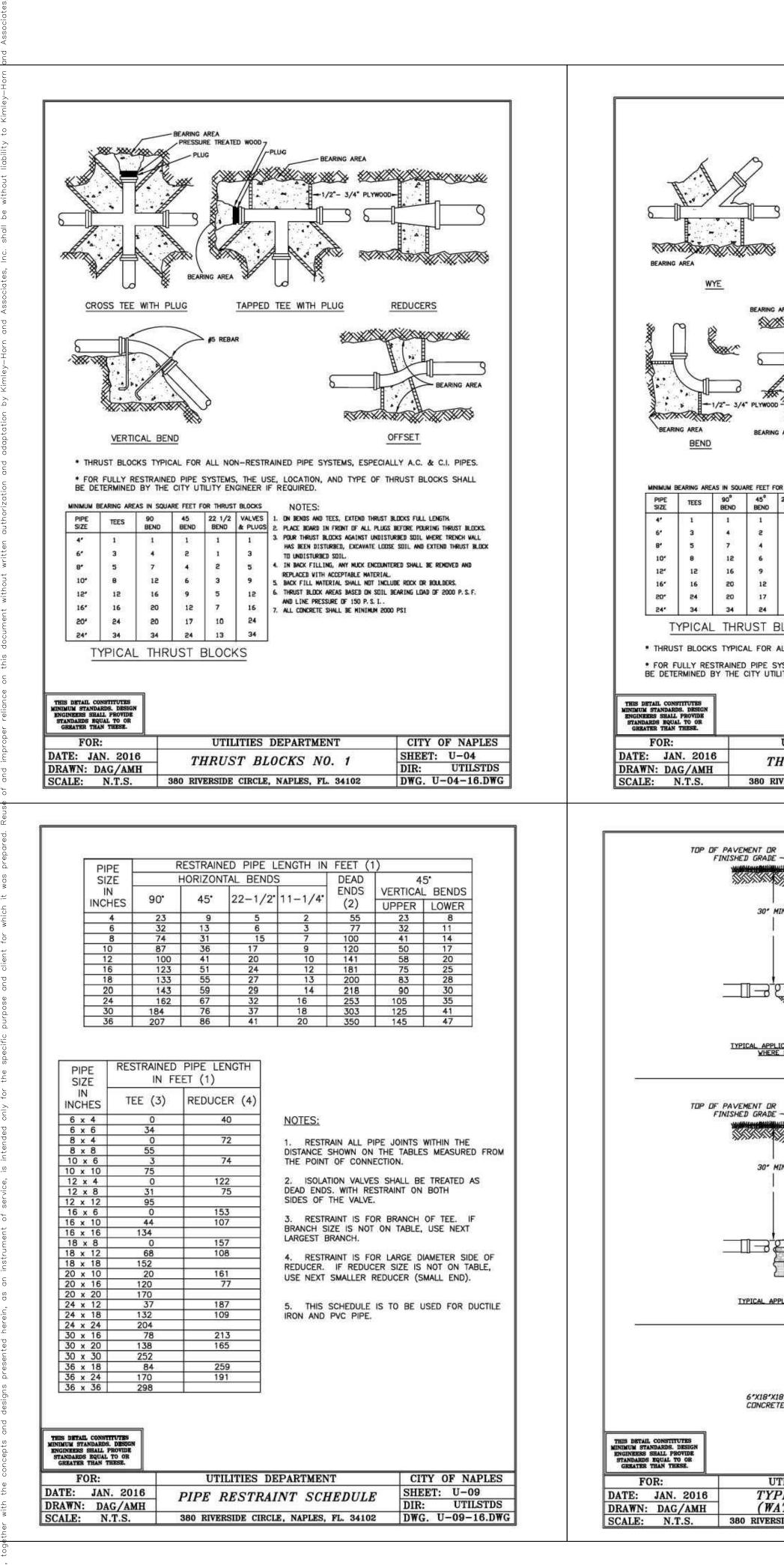
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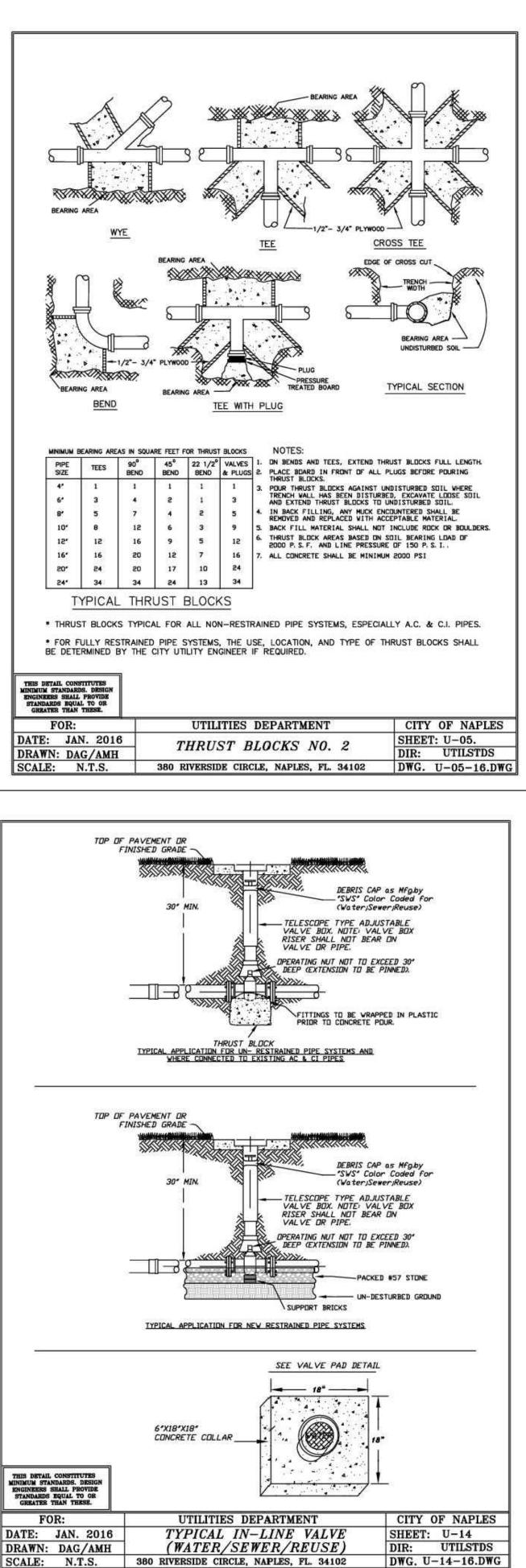


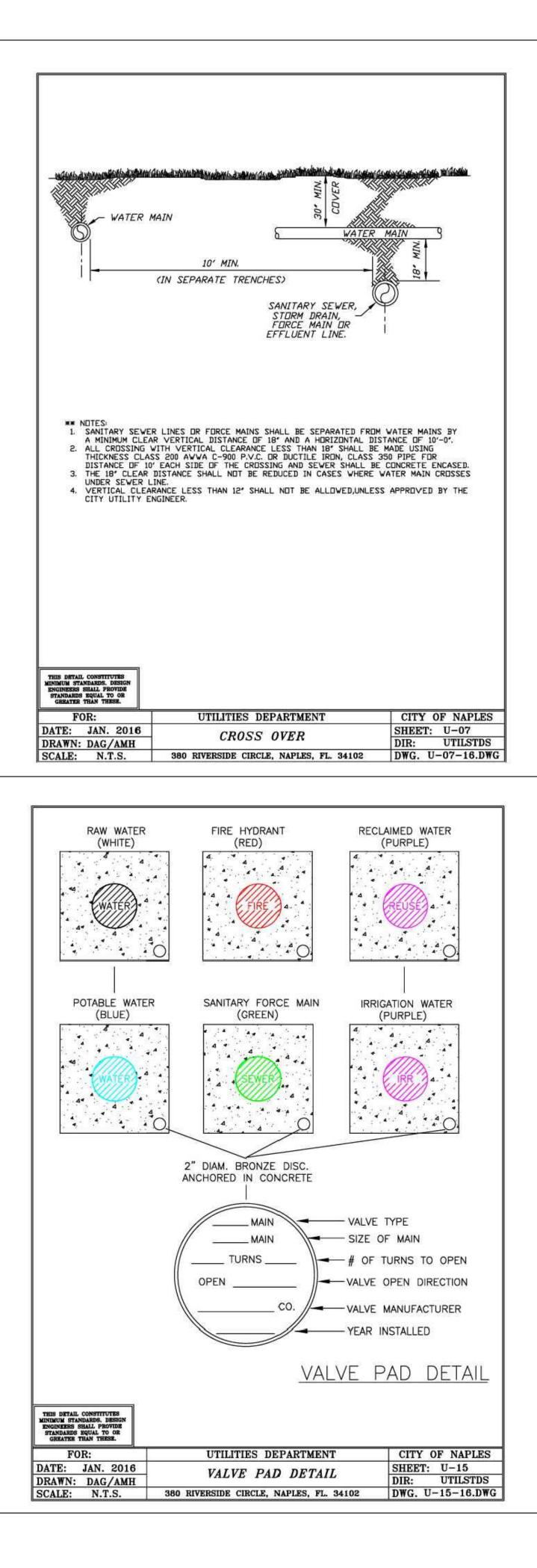
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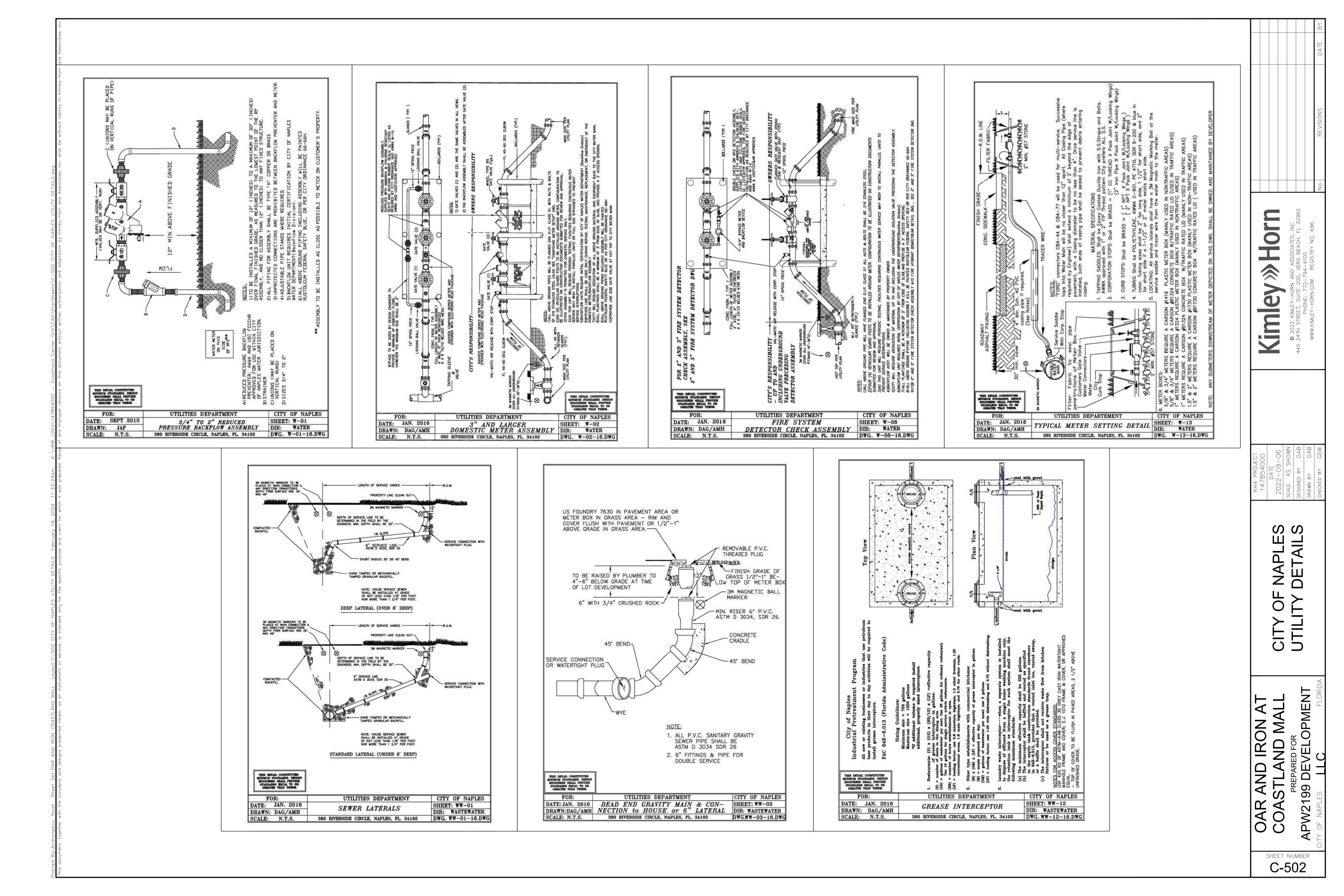
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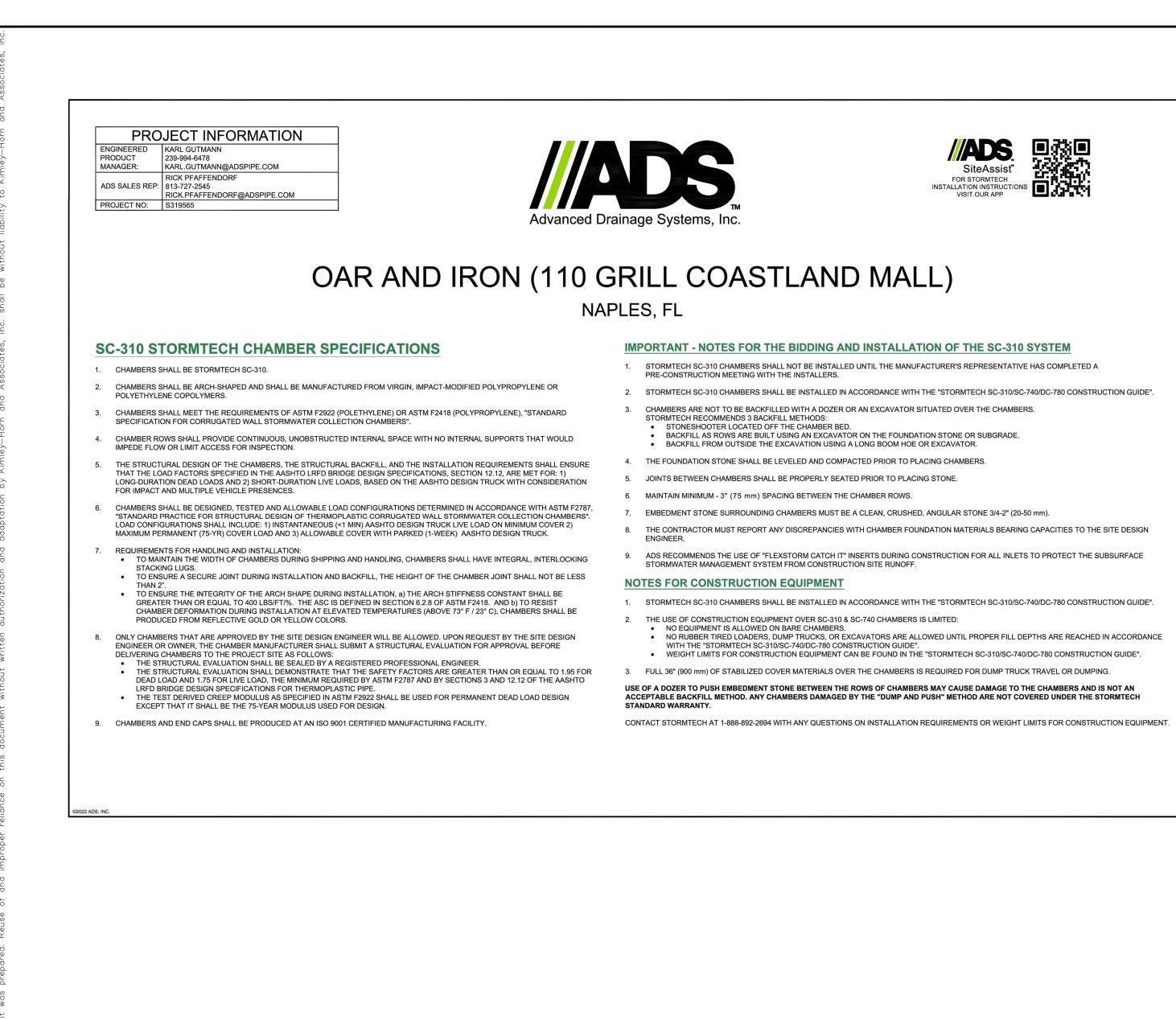
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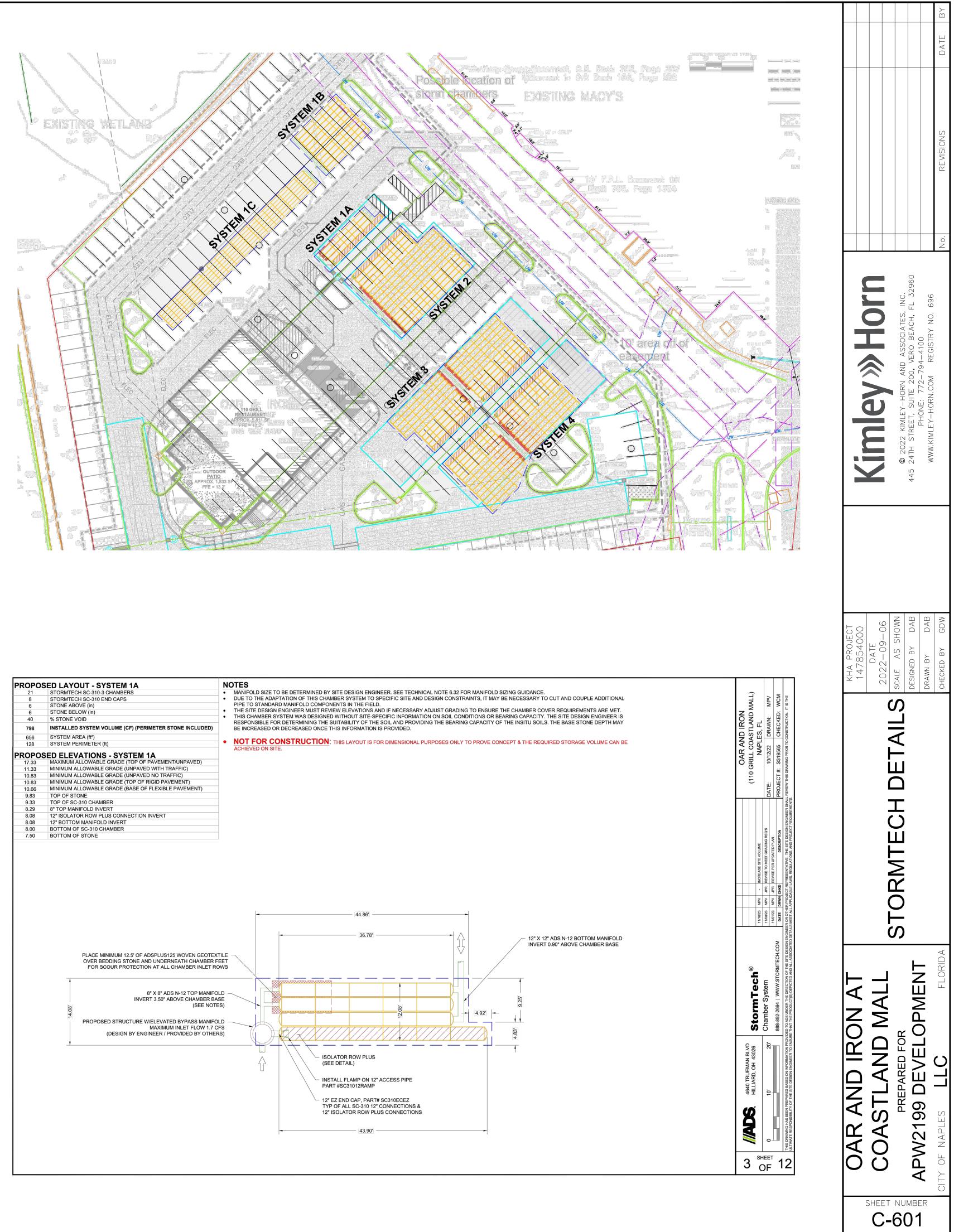


SC-160LP STORMTECH CHAMBER SPECIFICATIONS

- 1. CHAMBERS SHALL BE STORMTECH SC-160LP.
- 2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
- 3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS. THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION: TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING
- STACKING LUGS. • TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 1.5".
- TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION (a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 400 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN 8. ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS: • THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
- THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE. THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN
- EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.

9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

- PRE-CONSTRUCTION MEETING WITH THE INSTALLERS. 2. STORMTECH SC-160LP CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-160LP CONSTRUCTION GUIDE".
- 3. 467, 5, 56, OR 57.
- 4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- 5. THE DEPTH OF FOUNDATION STONE SHALL BE DETERMINED BASED ON THE SUBGRADE BEARING CAPACITY PROVIDED BY THE SITE DESIGN ENGINEER.
- THE SITE DESIGN ENGINEER. 7. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- 8. CHAMBERS SHALL BE INSTALLED "TOE TO TOE". NO ADDITIONAL SPACING BETWEEN ROWS IS REQUIRED.
- 9. STORMTECH RECOMMENDS 3 BACKFILL METHODS: • STONESHOOTER LOCATED OFF THE CHAMBER BED.
- BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE. BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.
- NOTES FOR CONSTRUCTION EQUIPMENT
- 1. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-160LP CHAMBERS IS LIMITED: NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS
- WITH THE "STORMTECH SC-160LP CONSTRUCTION GUIDE"
- 2. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.



SiteAssist [™]	
FOR STORMTECH INSTALLATION INSTRUCTIONS	
VISIT OUR APP	

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-160LP SYSTEM

1. STORMTECH SC-160LP CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A

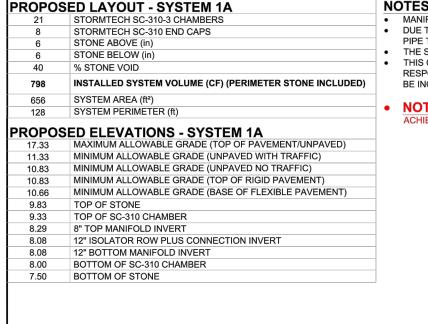
FOUNDATION STONE AND EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE; AASHTO M43 #3,357, 4,

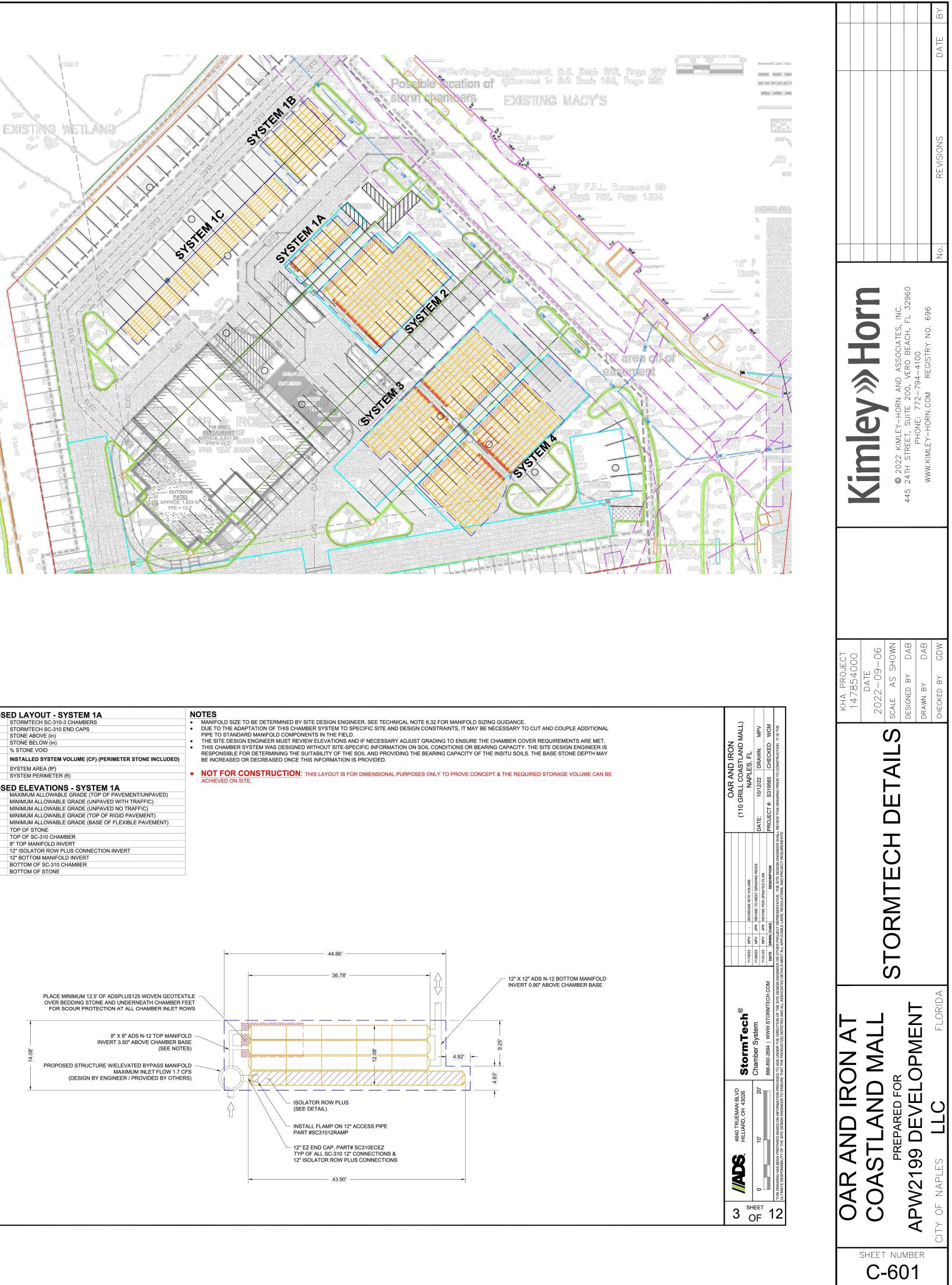
6. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES CONCERNING CHAMBER FOUNDATION DESIGN AND SUBGRADE BEARING CAPACITIES TO

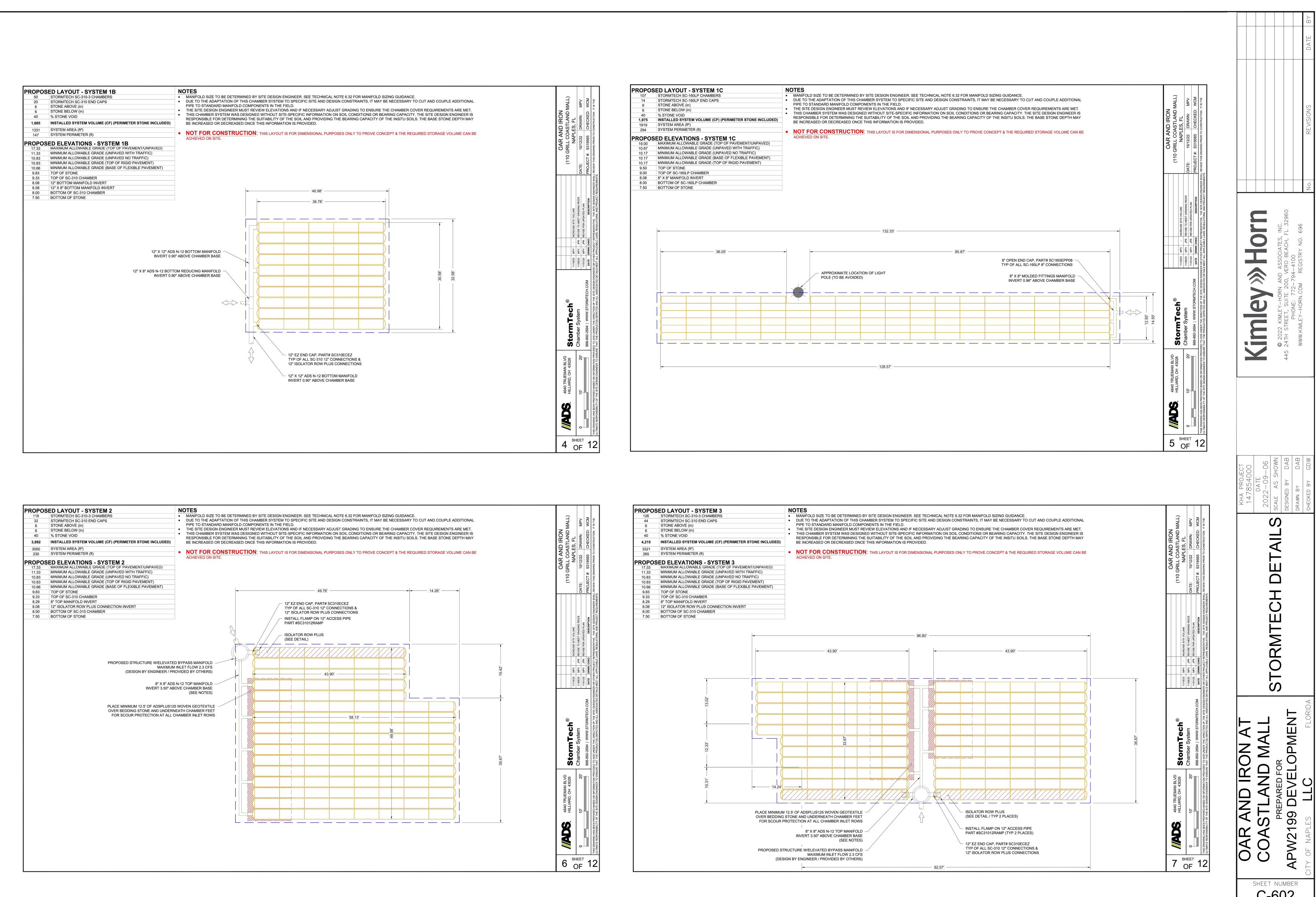
10. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE

 NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-106LP CONSTRUCTION GUIDE".

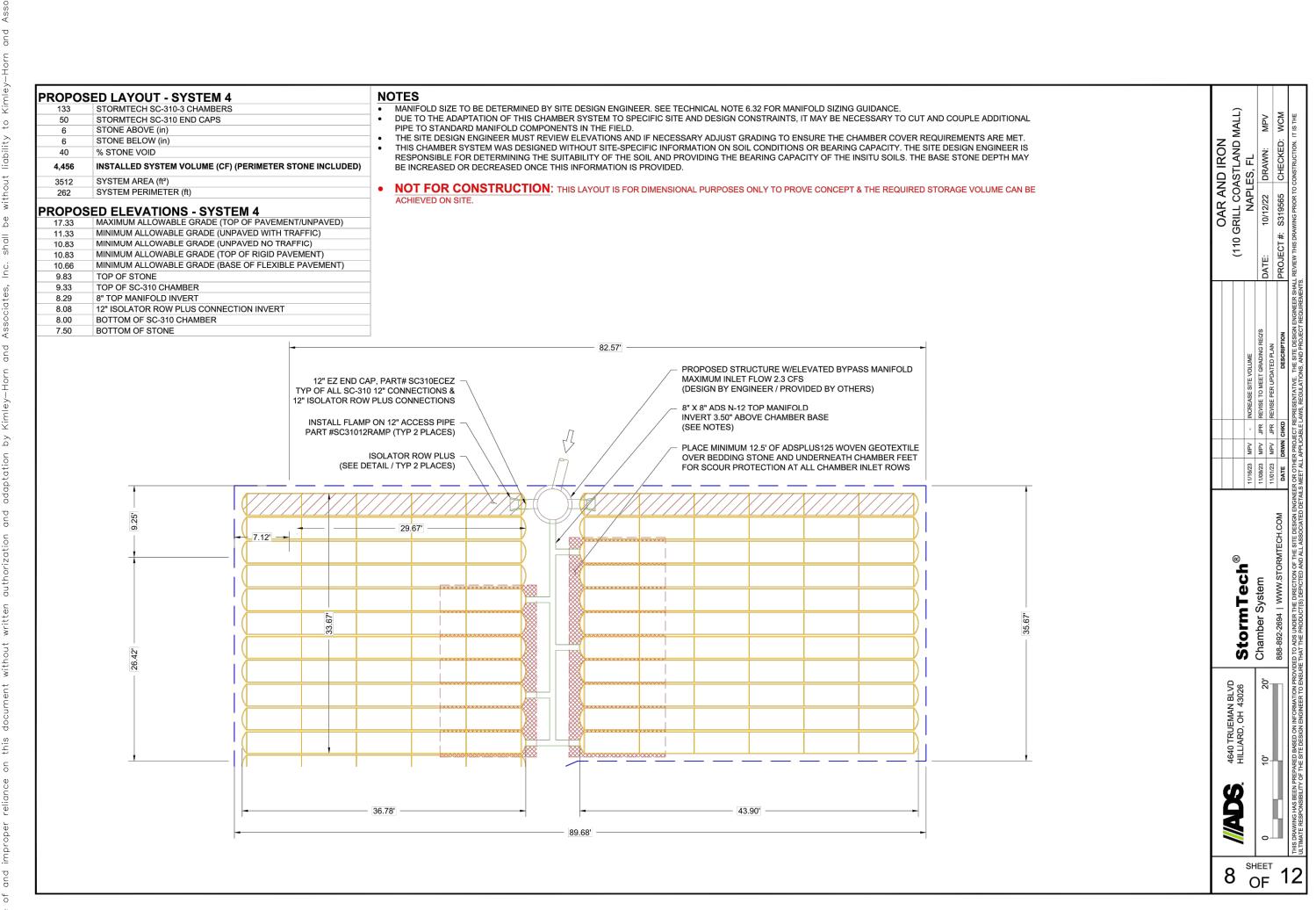
CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT



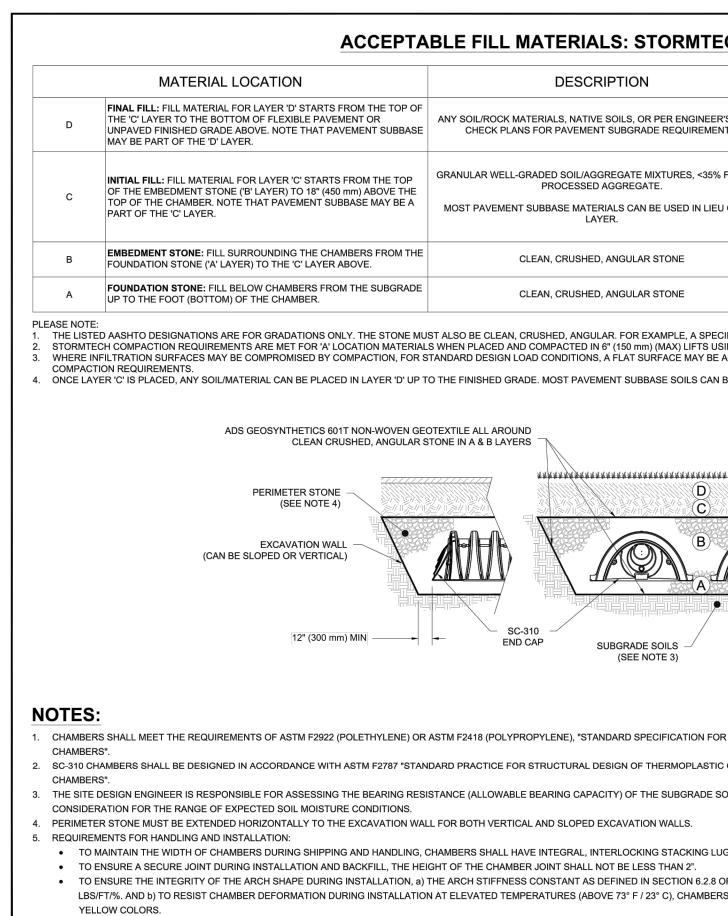


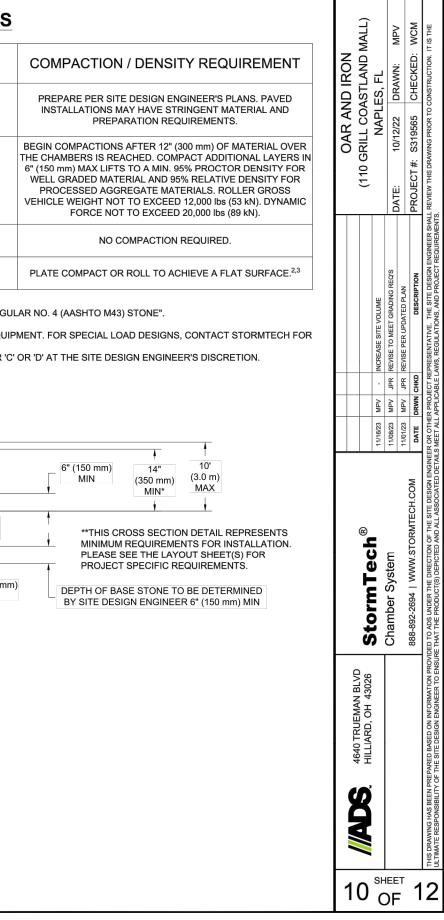


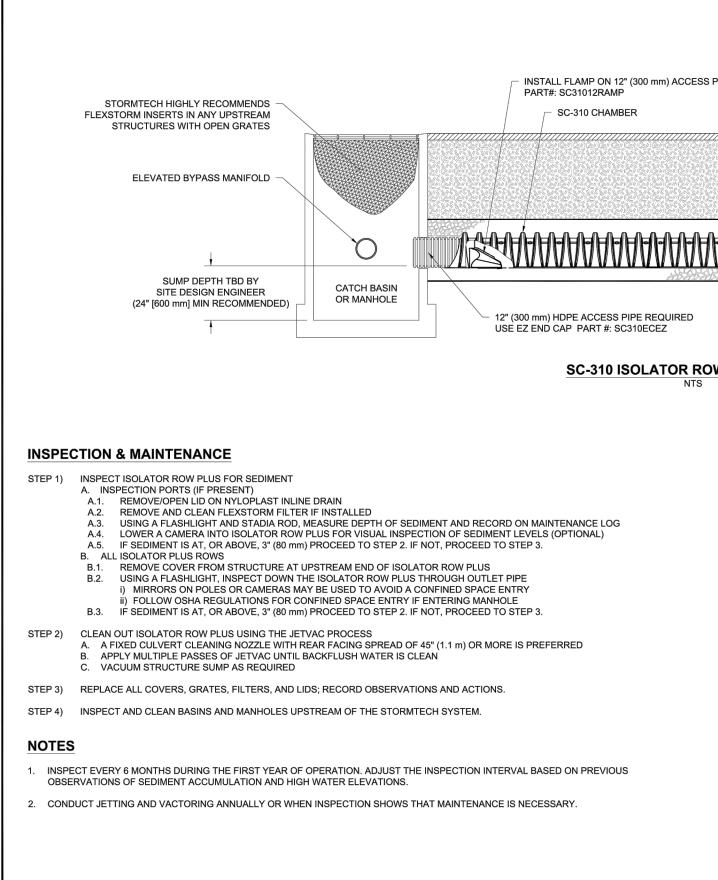
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	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A
С	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 14" (355 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10
В	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57
	PERIMETER STONE (SEE NOTE 4) EXCAVATION WALL (CAN BE SLOPED OR VERTICAL)		BY SITE DESIGN ENGINEER)
CHAMBERS THERMOPL COVER 2) M THE SITE D CONSIDER	S SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIF S SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATION LASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". L MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER	END CAP SUBGRADE SOILS (SEE NOTE 3) NO SPACING REQUIRED BETWEEN CHAMBERS FICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COL NS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE F OAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK. ISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND TH	LECTION CHAMBERS". OR STRUCTURAL DESIGN OF D DESIGN TRUCK LIVE LOAD ON MINIMUM



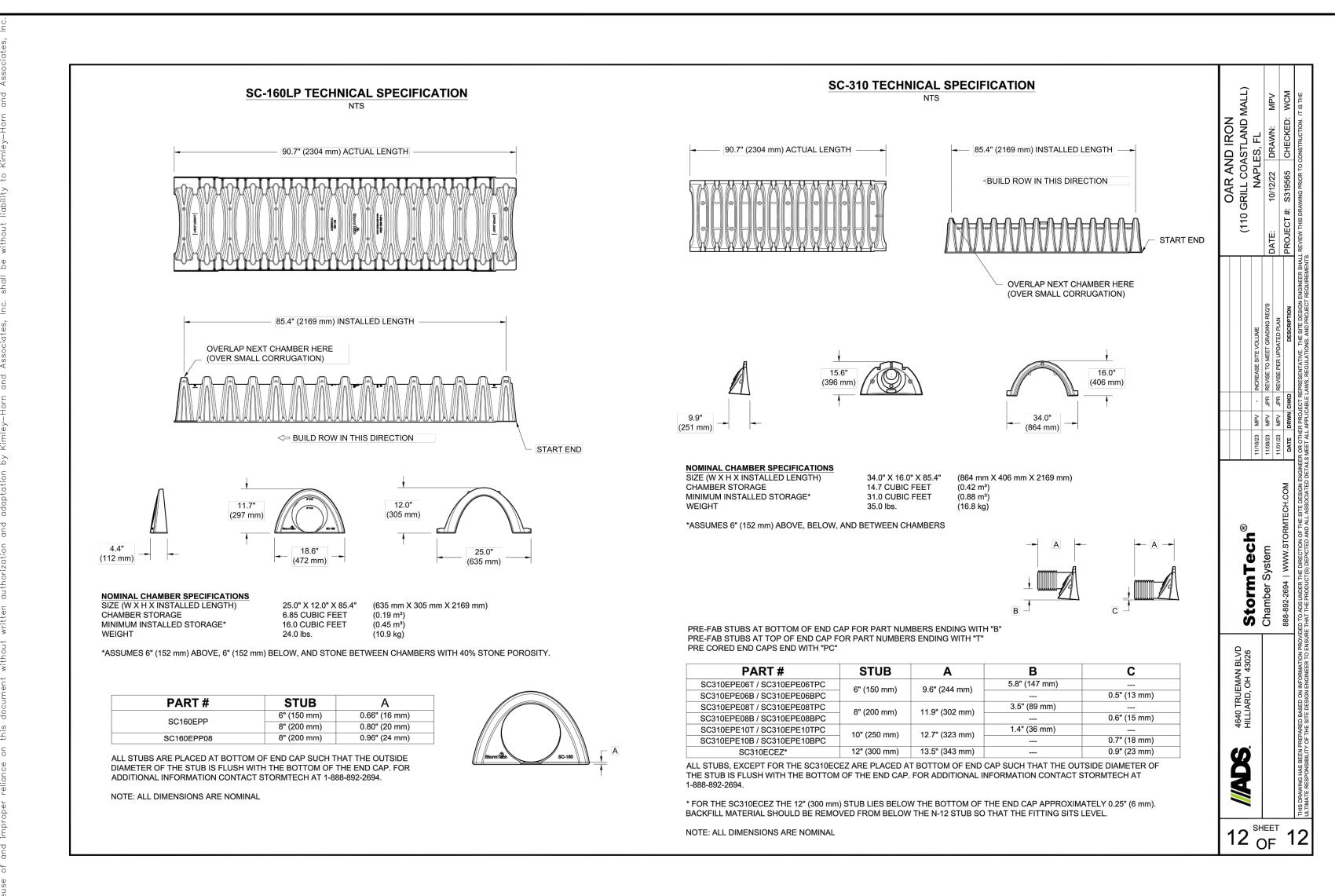




ECH SC	-310 CHAMBER SYSTEMS		,		(IALL)	MPV	N/CM
	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT	NO		LANUN	Ň.	ċ
R'S PLANS. NTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.	OAR AND IRON				+
6 FINES OR	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).	OAF	0		DATE: 10/12/22	÷# LO⊐
	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.					
	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}				REQ'S	
	DR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGL LL COVERAGES WITH A VIBRATORY COMPACTOR. (PAKING OF DRAGGING WITHOUT COMPACTION FOUL)	X ,			SITE VOLUME	REVISE TO MEET GRADING REQ'S	UPDATED PLAN
ACHIEVED BY		PMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR 2' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.	L I			REVISE TO	REVISE PER
ACHIEVED BY		·			- INCREASE	- JPR	JPR REVISE PER
ACHIEVED BY	REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C	C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.			MPV - INCREASE	MPV JPR	MPV JPR
ACHIEVED BY		S' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.		-	- INCREASE	MPV JPR	3 MPV JPR
	PAVEMENT LAYER (D BY SITE DESIGN ENG O BOTTOM OF FLEXIBLE PAVEMENT. FOR UNPAVED OCCUR. INCREASE COVENT O 24 (600 mm).	C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.			MPV - INCREASE	MPV JPR	MPV JPR
ACHIEVED BY	PAVEMENT LAYER (D BY SITE DESIGN ENG O BOTTOM OF FLEXIBLE PAVEMENT. FOR UNPAVED OCCUR. INCREASE COVENT O 24 (600 mm).	C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.			OH 43026 StormTech [®] 11/1623 MPV - INCREASE	11/08/23 MPV JPR	11/01/23 MPV JPR
ACHIEVED BY	REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C PAVEMENT LAYER (D BY SITE DESIGN ENG OCCUR, INCREASE COVER TO 24' (600 mm). OCCUR, INCREASE COVER TO 24' (700 mm). OCCUR, INCREA	C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.		EMAN BLVD	43026 StormTech [®] 11/1/6/23 MPV - INCREASE	11/08/23 MPV JPR	11/01/23 MPV JPR

SS PIPE	OAR AND IRON	(110 GRILL COASTLAND MALL)	DATE: 10/13/22 DRAWN: MDV	CT #: S319565 CHECKED:	
ADVACUATION OF ADD SPILING WOVEN GEOTEXTILE BETWEEN COUNDATION STONE AND CHAMBERS (1.2 m) MIN WIDE CONTINUOUS FABRIC WITHOUT SEAMS			11/08/23 MPV JPR	888-892-2694 WWW.STORMTECH.COM	DATE DAWN CHKU ENGINEER OR OTHER PROJECT REPRESENTATIVE. T D DETAILS MEET ALL APPLICABLE LAWS. REGULATION
			JO E Chamber System		THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THATTE RESPONSIBILITY OF THE STREED FOR TO ADDRESS

STORMTECH DETAILS



KHA PROJECT 147854000	DATE 2022-09-06	STORNTECH DETALS scale as shown as shown as sociates.	DESIGNED BY DAB 445	DRAWN BY DAB WWW.KIMLEY-HORN.COM REGISTRY NO.	CHECKED BY GDW
		ASSOCIATES, INC.	RO BEACH, FL 32960	-4100 Egistry no. 696	
					REVISIONS