

LOCATION MAP

LONGBOAT KEY TOWN COMMISSION

KEN SCHNEIER	MAYOR
MIKE HAYCOCK	VICE MAYOR
SHERRY DOMINICK	COMMISSIONER
PENNY GOLD	COMMISSIONER
DEBRA WILLIAMS	COMMISSIONER
MAUREEN MERRIGAN	COMMISSIONER
B.J. BISHOP	COMMISSIONER-AT-LARGE

LIST OF CONTACTS

OWNER:

TOWN OF LONGBOAT KEY PUBLIC WORKS UTILITIES DEPT. 600 GENERAL HARRIS ST. LONGBOAT KEY, FL 34228 (941) 316-1988

ENGINEER: **KIMLEY-HORN & ASSOCIATES INC.** 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236 (941) 379-7600

SURVEYOR: HYATT SURVEY SERVICES, INC. 11007 8TH AVENUE EAST BRADENTON, FLORIDA 34212 (941) 748-4693

GEOTECH: ARDAMAN & ASSOCIATES ENVIRONMENTAL SERVICES. 78 SARASOTA CENTER BLVD. SARASOTA, FL 34240 (941) 922-3526



UTILITY PROVIDERS

WATER/WASTEWATER TOWN OF LONGBOAT KEY PUBLIC WORKS UTILITIES DEPT. 600 GENERAL HARRIS ST. LONGBOAT KEY, FL 34228 (941) 316-1988

TELEPHONE: FRONTIER COMMUNICATIONS 1701 RINGLING BLVD. SARASOTA, FL 34236 GARY REEVE (941) 955-2908

ELECTRIC: **FLORIDA POWER & LIGHT ERNESTO DOMINGUEZ** (305) 219-6483

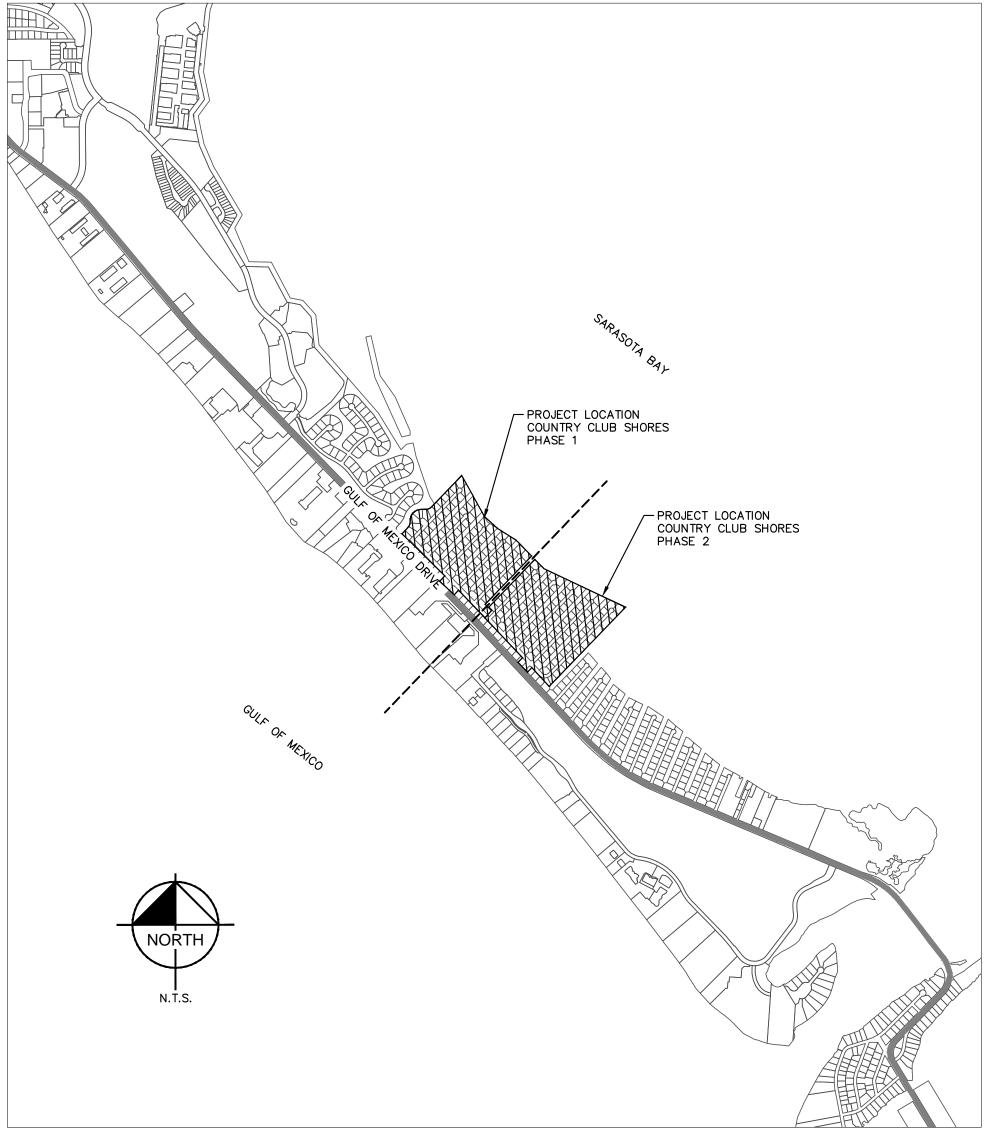
CATV: COMCAST CABLE 5231 UNIVERSITY PKWY, SUITE 115 BRADENTON, FL 34201 **KEVIN MILLER** (239) 318-1411

NATURAL GAS TECO PEOPLE'S GAS 8261 VICO CT SARASOTA, FL 34240 ANTHONY BAUBLITZ (941) 342-4025

UTILITY CONSTRUCTION PLANS COUNTRY CLUB SHORES AC WATER MAIN REPLACEMENT PHASE 1 AND PHASE 2

SEPTEMBER 2022

LOCATED IN TOWN OF LONGBOAT KEY SARASOTA COUNTY, FLORIDA





Sheet Number	Sheet Title
G-1	COVER SHEET
G-2	GENERAL NOTES
G-3	SOIL BORINGS (PHASE 1)
G-4	SOIL BORINGS (PHASE 2)
G-5	KEY SHEET
	PHASE 1
WM-01	PUTTER LANE [10+00 - 14+50]
WM-02	PUTTER LANE [14+50 - 19+00]
WM-03	PUTTER LANE [19+00 - 23+00]
WM-04	PUTTER LANE EXT [25+00 - 27+75]
WM-04	GOLF LINKS LANE [30+00 - 35+00]
WM-06	GOLF LINKS LANE [30+00 - 40+00]
WM-07	CHIPPING LANE [50+00 - 54+00]
WM-08	CHIPPING LANE [54+00 - 58+00]
WM-09	
WM-10	GULF OF MEXICO DRIVE - POINT OF CONNECTION
WM-11	WEDGE LANE [70+00 - 74+00]
WM-12	WEDGE LANE [74+00 - 78+00]
WM-13	WEDGE LANE [78+00 - 81+00]
WM-14	BIRDIE LANE [90+00 - 94+00]
WM-15	BIRDIE LANE [94+00 - 98+00]
WM-16	BIRDIE LANE [98+00 - 101+50]
WM-17	BOGEY LANE [200+00 - 204+50]
WM-18	BOGEY LANE [204+50 - 209+00]
WM-19	BOGEY LANE [209+00 - 213+50]
WM-20	BOGEY LANE [213+50 - 218+00]
	PHASE 2
WM-21	BOGEY LANE [218+00 - 223+00]
WM-22	BOGEY LANE [223+00 - 228+00]
WM-23	BOGEY LANE [228+00 - 231+50]
WM-24	HALYARD LANE [231+50 - 236+50]
WM-25	HALYARD LANE [236+50 - 241+50]
WM-26	HALYARD LANE [241+50 - 245+50]
WM-27	PUTTING GREEN LANE [102+00 - 106+00]
WM-28	PUTTING GREEN LANE [106+00 - 110+00]
WM-29	PUTTING GREEN LANE [110+00 - 113+50]
WM-30	YARDARM LANE [30+00 - 35+00]
WM-31	YARDARM LANE [35+00 - 40+00]
WM-32	YARDARM LANE [40+00 - 42+25]
WM-33	BOWSPRIT LANE [40+00 - 45+00]
WM-34	BOWSPRIT LANE [45+00 - 50+00]
WM-35	BOWSPRIT LANE [50+00 - 53+50]
WM-36	GULF OF MEXICO DRIVE - POINT OF CONNECTION
WM-37	RANGER LANE [50+00 - 55+00]
WM-38	RANGER LANE [50+00 - 55+00] RANGER LANE [55+00 - 60+00]
WM-39	RANGER LANE [55+00 - 60+00] RANGER LANE [60+00 - 64+50]
VVIVI-38	
τ 4	TEMP. TRAFFIC CONTROL PLAN
T-1	
T-2	CONCEPTUAL PHASING NOTES
- <i>i</i>	DETAILS
D-1	STANDARD DETAILS STANDARD DETAILS 2

FINAL CONSTRUCTION PLANS (NOT FOR CONSTRUCTION

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND ABILITY THE DESIGN OF THIS PROJECT, AS PREPARED UNDER MY PERSONAL DIRECTION AND CONTROL, COMPLIES WITH ALL APPLICABLE STANDARDS.



DATE

G	ENERAL (CONST	RUCTIO	ON NC	DTES						EW DEW
1.	THE CONTRACTO OF TRANSPORTA (LATEST EDITION) AND, UNLESS OTI STANDARDS AND	TION "STANDA) AND BECOME HERWISE NOT	ARD SPECIFICA E FAMILIAR WI ED, ALL WORK	ATIONS FO	OR ROAD AN ONTENTS P	ND BRIDGE (RIOR TO CC	CONSTRU DMMENCIN	CTION" NG WORK		13.	STAT OUTL DISC
2.	THE CONTRACTO CONSTRUCT THE ACCORDANCE WI REQUIREMENTS. INDICATED, REMO DELETERIOUS MA	UTILITIES AS TH THE APPR CONTRACTOR VING TREES,	SHOWN AND E OPRIATE APPF R SHALL CLEA	DESCRIBE ROVING AI R AND GR	D IN THE C JTHORITIES UB ALL ARE	ONSTRUCT 5, SPECIFIC EAS UNLESS	ION DOCU ATIONS AI S OTHERW	JMENTS I ND VISE	N		PERM GRO COM CON
3.	EXISTING UTILITIE ENGINEER AT THI VERIFIED BY THE UNDERGROUND I ACCURATE. FINDI RESPONSIBILITY. FURTHERMORE, T DUE TO THE CON UNDERGROUND I DAMAGES SUSTA EXISTING UTILITIE IT IS NECESSARY DEPARTMENT AFI THE METHOD TO	ES SHOWN AR E TIME OF THE OWNER OR T JTILITIES ARE ING THE ACTU AND SHALL BE THE CONTRAC TRACTOR'S FA JTILITIES. THE INED OR COS ^T ES OR STRUCT TO SHORE, BI FECTED SHAL	E TOPOGRAPH HE ENGINEER. SHOWN OR TH JAL LOCATION E DONE BEFOR TOR SHALL BE AILURE TO EXA E OWNER OR E T INCURRED B TURES, NOR FO RACE, SWING L BE CONTACT	IIC SURVE GUARAN HAT THE L OF ANY E RE THEY C E FULLY F ACTLY LOO ENGINEER BECAUSE (OR TEMPO OR RELOO	Y AND HAVI NTEE IS NOT OCATION C XISTING UT OMMENCE ESPONSIB CATE AND F WILL ASSU OF THE OPE DRARY BRA CATE A UTIL	E NOT BEEN T MADE THA DF THOSE SI TILITIES IS T ANY WORK LE FOR ANY PRESERVE A JME NO LIAE ERATIONS IN CING AND S LITY, THE UT	N INDEPEN T ALL EXI HOWN AR HE CONT IN THE VI AND AND A SILITY FOF THE VICI SHORING (TILITY COI	NDENTLY STING E ENTIRE RACTOR CINITY. DAMAGE ALL R ANY NITY OF OF SAME MPANY O	ELY 'S ES . IF 'R	<u>P</u> , 2. 3. 4. 5.	REPL TRAF
4.	IT IS THE CONTRA MAY HAVE BURIE COMMENCING WO UTILITY COMPANI WHICH THE CONT SHEET OF THESE INTENDED TO LIM	D OR AERIAL U DRK. THE CON ES PRIOR TO TRACTOR <u>MUS</u> CONSTRUCTI	UTILITIES WITH NTRACTOR SH BEGINNING C ST CALL BEFOR ION PLANS. TH	HIN OR NE HALL PROV CONSTRUC RE COMME HIS LIST SE	AR THE CO /IDE 48 HOU TION. A LIS ENCING WO ERVES AS A	NSTRUCTIO JRS MINIMU ST OF THE L ORK IS PROV	ON AREA B JM NOTICE JTILITY CC /IDED ON LY AND IS	EFORE TO ALL MPANIES THE COV NOT	S	6.	REQU REQU THE AGRI WHE THE WAS ESTA
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9.	THE CONTRACTO RECORD SURVEY STATE OF FLORIE IMPROVEMENTS PROCESS. ALL SU OF THE TECHNIC/	SIGNED AND DA DEPICTING THAT ARE REC JRVEY COSTS	SEALED BY A THE ACTUAL F QUIRED BY THE WILL BE THE (PROFESS FIELD LOC E JURISDI CONTRAC	IONAL LANE ATION OF A CTIONAL AC TORS RESF	D SURVEYO ALL CONSTR GENCIES FC PONSIBILITY	R REGIST RUCTED OR THE CE 7. SEE SEC	ERED IN	ΓΙΟΝ		CON STRI TOPS DIRE
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11.	CONTRACTOR. THE CONTRACTO SHOWN ON THE F IMPROVEMENTS. OWNER PRIOR TO FAILURE TO NOTI	PLANS DO NOT IF ANY CONFL D INSTALLATIC FY OWNER OF	CONFLICT WI LICTS ARE DISC ON OF ANY POF AN IDENTIFIA	ITH ANY K COVERED RTION OF ABLE CONF	NOWN EXIS , THE CONT THE SITE W FLICT PRIOF	STING OR O TRACTOR SH VORK THAT R TO PROCE	THER PRO HALL NOTI WOULD B EEDING W	POSED IFY THE E AFFEC ITH	TED.	14.	WAT AREA CORI WILL ALL (SHO)
12.	INSTALLATION RE ALL INFRASTRUC INFRASTRUCTURI PERMITTING AGE	TURE INCLUDI E HAS BEEN C	ING FIRE HYDF	RANTS SH	ALL REMAIN	N ACTIVE UN	NTIL NEW			15.	THE SCAT OTHE REGI
13.	NO CLEARING WI LINES SHALL OCC ROOT ZONE IS DE PERMITTED WITH BY THE ADMINIST PROTECTED ROC UNDERSTORY VE ADMINISTRATOR DRIPLINE OF A TR AFFECTED.	TH HEAVY EQU CUR WITHIN TH FINED AS THE IN THE PROTE RATOR. WHEF IT ZONE OCCU GETATION. FU MAY ALLOW C	HE PROTECTED E DRIPLINE OF ECTED ROOT Z RE UNAUTHOR JRS THE ADMIN JLL DRIPLINE F CERTAIN ACTIV	D ROOT Z THE TREE ZONE OF C RIZED REM NISTRATO PROTECTIO	ONE OF AN E. ONLY HAI ANOPY TRE IOVAL OF N. R MAY REQ ON IS REQL BE CONDUC	Y CANOPY T ND CLEARIN EES TO BE S ATIVE VEGE QUIRE THE R JIRED; HOW CTED WITHII	IREE. THE NG OR MO SAVED IF / ETATION W REPLANTIN 'EVER, THI N THE BAF	E PROTEC WING IS AUTHORI VITHIN TH NG OF E RRICADE	CTED ZED IE D	-	THE NOT POSS TO T ALL I THEF OFF- FLOF SOD, HOUI EROS
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3.	THE CONTRACTO WATER MANAGEN CALCULATIONS. T OF DEWATERING,	MENT DISTRIC	T FOR REVIEW	A DEWAT	ERING PLA	N AND SUP	PORTING				
4.	ALL WATER REMO	VED FROM TH GER PUBLIC H	, HE EXCAVATIO IEALTH, DAMAG)NS SHALL GE PUBLI(. BE DISPOS C OR PRIVA	TE PROPER	TY, OR AF		6	<u>ח</u> 1.	
5.	ADVERSELY ANY PUBLIC RIGHTS-O	F-WAY AND PF	ROPERTIES SH	HALL BE U	TILIZED FOI			WATER		2.	CON REFE ETC.
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12.	CONTRACTOR IS I	KESPONSIBLE			W ON SITE			ION.			
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REVISIONS

ATERING NOTES CONT'D

- E, MAY BE COVERED UNDER THE CGP IF THE GROUNDWATER IS UNCONTAMINATED AS INED IN PART 3.4 OF THE GENERIC PERMIT, A SEPARATE PERMIT MAY BE REQUIRED FOR CHARGES FROM CONTAMINATED SITES.
- MITTING INFORMATION RELATING TO A SPECIFIC PROJECT
- DUND WATER SAMPLING RESULTS MUST BE SUBMITTED TO THE TOWN PRIOR TO THE IMENCEMENT OF DEWATERING PURSUANT TO SEC. 54-185(B) OF THE WATER POLLUTION TROL CODE

ING, GRADING AND DRAINAGE NOTES

- ITRACTOR TO RESTORE EXISTING ROADS AND DRIVEWAYS TO EQUAL OR BETTER CONDITION. ITRACTOR TO PROVIDE 24 HOURS' NOTICE TO HOMEOWNER PRIOR TO IMPACTING DRIVEWAYS
- PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN TOWN'S RIGHT-OF-WAY SHALL N ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS OR FDOT CIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY ULATIONS.
- UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE LACED TO LIKE OR BETTER CONDITION.
- FFIC CONTROL ON ALL FDOT, LOCAL AND TOWN RIGHTS-OF-WAY SHALL MEET THE UIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE JIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN EEMENT, THE MOST STRINGENT SHALL GOVERN. ALL ROADS OPEN TO PUBLIC TRAVEL, THER PUBLIC OR PRIVATE, ARE SUBJECT TO THE MUTCD.
- CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE SHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ABLISHED OR ADEQUATE STABILIZATION OCCURS.
- AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL EMENT SECTIONS AS INDICATED ON THE DRAWINGS.
- ERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED. THE CONTRACTOR LL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE EMENT WITH THE SAME TYPE AND. DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
- ERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE TING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE TING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
- CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE ATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL INAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF ISTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS
- IP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES SOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS ECTED BY THE OWNER.
- D DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL ISDICTIONAL AGENCY OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT UMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE ST STRINGENT SHALL GOVERN.
- SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AS SHALL THEN BE SODDED OR SEEDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, FRED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE RECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS BE SODDED OR SEEDED AND MULCHED.
- CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE WN. EXCESS MATERIAL WILL BECOME RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND ITERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR ER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING ULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE SIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE HE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. REAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS, AT NO TIME SHALL THERE BE ANY -SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, RIDA ADMINISTRATIVE CODE.
- WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 IRS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT SION, SEDIMENTATION OR TURBID DISCHARGES.

CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF ALL PERMITS COMPLETE WITH ALL IDITIONS. ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE ISTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY AL AGENCIES OR REPRESENTATIVES.

- CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO AVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED PROPERLY DISPOSED OF IN A LEGAL MANNER.
- DWAY AND DRAINAGE STRUCTURES CONCRETE SHALL MEET LATEST FDOT STANDARD CIFICATIONS SECTION 346 OF 3000 PSI.
- ITRACTOR IS RESPONSIBLE FOR MAINTAINING FLOW ON SITE DURING CONSTRUCTION.

OLITION NOTES

- MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE TRACTOR IN A LEGAL MANNER.
- ER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, , LOCATED WITHIN THE PROJECT SITE. ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES TO BE REMOVED FROM SITE BY THE CONTRACTOR ARE TO BE PROPERLY DISPOSED OF IN A LEGAL MANNER AS T OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE OGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND ERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE ITRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
- CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN FOR DEMOLITION OF EXISTING LIFT TIONS AND INFRASTRUCTURE. ALL DEMOLITION SHALL MEET THE REQUIREMENTS OF THE E, TOWN, AND CONTRACT DOCUMENTS.

VEY DATUM

DATE BY

- TICAL DATUM: ELEVATION INFORMATION SHOWN ON THESE PLANS IS BASED ON NORTH RICAN VERTICAL DATUM OF 1988 (NAVD 1988).
- IZONTAL DATUM: COORDINATES BASED ON NAD83, FLORIDA STATE PLANE, WEST ZONE, US FEET

1777 MAIN STREET, SUITE 200, SARASOTA, FL 34236 PHONE: 941-379-7600 WWW.KIMLEY-HORN.COM CA 00000696

ATERING OPERATIONS THAT DISCHARGE OFFSITE, OR TO ONSITE SURFACE WATERS OF THE

LICANTS ARE URGED TO CONTACT THE SOUTH DISTRICT OF FDEP AT (239) 344-5600 FOR

KHA PROJECT

148800005 DATE 9/26/2022

CALE AS SHOWN

ESIGNED BY KH.

LMC

DRAWN BY

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.
- 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 TO LIKE OR BETTER CONDITION 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 THEIR 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.
- 10. UTILITIES OPERATIONS PERSONNEL AND THE TOWN'S UTILITIES INSPECTOR SHALL BE NOTIFIED 48 HOURS (2 BUSINESS DAYS) PRIOR TO COMMENCEMENT OF WORK.
- 11. THE FIRE DEPARTMENT AND TOWN UTILITY DEPARTMENT MUST BE CONTACTED PRIOR TO ANY FLOW TESTING. THE HYDRANTS SHALL BE PAINTED AND COLOR CODED WITH QUALITY PAINT WITH A SUN INHIBITOR AND BLUE REFLECTIVE MARKERS IN PLACE PRIOR TO FINAL CONSTRUCTION SIGNOFF NFPA 291
- 12. A SIGN IDENTIFYING THE ADDRESS SERVED BY THE FIRE DEPARTMENT CONNECTION SHALL BE MOUNTED TO THE FDC OR ITS RISER WITH A CORROSION-RESISTANT BRACKET. THE SIGN SHALL BE 7" BY 10", WITH A REFLECTIVE WHITE BACKGROUND AND RED LETTERS "FDC" A MINIMUM OF 2 ¾" TALL WITH A ¾" STROKE. THE ADDRESS SHALL BE LETTERS A MINIMUM OF 1 ½" TALL WITH A 3/8" STROKE
- 13. CONTRACTOR SHALL USE EXTREME CAUTION DURING RECONNECTION OF THE WATER AND SEWER AS TO AVOID DAMAGE TO EXISTING UTILITIES. NO METER SHALL BE CONNECTED UNTIL LINES ARE CERTIFIED AND APPROVED BY TOWN, EOR AND PERMITTING AGENCIES.
- 14. EXISTING INFRASTRUCTURE IDENTIFIED TO BE ABANDONED IN PLACE SHALL NOT BE ABANDONED UNTIL PROPOSED INFRASTRUCTURE IS CERTIFIED AND APPROVED BY TOWN, EOR AND PERMITTING AGENCIES.

GENERAL POLLUTION PREVENTION NOTES

- 1. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) COVERAGE UNDER THE STATE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (AKA. CONSTRUCTION GENERIC PERMIT, OR CGP) IS REQUIRED FOR PROJECTS THAT CONTRIBUTE STORMWATER DISCHARGES TO SURFACE WATERS OF THE STATE (OR INTO A MUNICIPAL SEPARATE STORM SEWER SYSTEM - MS4); AND THAT DISTURB MORE THAN ONE ACRE OF LAND, OR LESS THAN ONE ACRE OF LAND IF PART OF A LARGER COMMON PLAN OF DEVELOPMENT.
- ACCOMMODATIONS MUST BE MADE FOR THE PROPER HANDLING AND DISPOSAL OF WASTE MATERIALS, AND WASTEWATER, WASTEWATER DISCHARGES SHALL BE CONSISTENT WITH UTILITIES, AIR AND WATER QUALITY, AND ENVIRONMENTAL HEALTH SERVICES REGULATIONS. SEPARATE AGENCY PERMITTING (I.E. DEP) MAY BE REQUIRED. THE PLANS SHOULD SHOW AREAS THAT HAVE THE POTENTIAL TO BE SIGNIFICANT SOURCES OF POLLUTION SUCH AS EQUIPMENT AND VEHICLE WASH RACKS OR WASH AREAS: WASTE HANDLING FACILITIES: CHEMICAL. EQUIPMENT. AND MATERIAL STORAGE AREAS, FOOD SERVICE ESTABLISHMENTS MUST PROVIDE DEDICATED CAN WASH AREAS THAT ARE CONNECTED TO THE SANITARY SEWER.
- 3. PLEASE DISCLOSE ANY KNOWN POLLUTION-RELATED ENVIRONMENTAL CONCERNS. PROVIDE COPIES OF ANY ENVIRONMENTAL SITE ASSESSMENT REPORTS. PROVIDE COPIES OF AGENCY CORRESPONDENCE RELATIVE TO COMPLETED REMEDIATION ACTIVITIES.
- 4. THE CONSTRUCTION PLANS MUST INCLUDE AN EROSION AND SEDIMENT CONTROL PLAN SHOWING THE LOCATION OF, AND DETAILS OF, ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT. PRACTICES (BMPS), ESPECIALLY PERIMETER CONTROLS, STABILIZATION OF SITE INGRESS/EGRESS POINTS (SOIL TRACKING PREVENTION MEASURES - TYPICALLY THE FORMER FDOT INDEX 106 OR EQUIVALENT). INLET PROTECTION, OUTLET STABILIZATION, AND PROTECTION OF RECEIVING WATERS AND STORMWATER CONVEYANCES. A DEWATERING PLAN IS REQUIRED IF DEWATERING DISCHARGE(S) ARE TO BE DIRECTED OFF SITE, OR TO ONSITE WETLANDS OR SURFACE WATERS. THE PLAN MUST INCLUDE A DETAIL OF SEDIMENT TRAPS OR BASINS.
- 5. THE TECHNIQUES DEPICTED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, JULY 2013, OR EQUIVALENT, SHALL SERVE AS THE BASIC DESIGN CRITERIA FOR EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS).
- 6. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.

EROSION CONTROL NOTES

- 1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") AS PREPARED BY THE CONTRACTOR SHALL INCLUDE THE ATTACHED 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.

TOWN OF LONGBOAT KEY **COUNTRY CLUB SHORES** AC WATER MAIN REPLACEMENT

EROSION CONTROL NOTES CONT'D

- 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.
- 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.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- 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
- 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
- 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.
- STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY CEASED.
- 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
- 10. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
- 11. 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.
- 12. 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.
- 13. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- 14. 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.
- 15. 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.

EROSION CONTROL 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 STANDARD SPECIFICATIONS.
- 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 TEMPORA PARKING AS CONDITIONS DEMAND.

TRAFFIC CONTROL NOTES

- TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEXES DEPENDING ON THE OPERATION BEING PERFORMED. FOR ALL TWO-LANE WORK, TWO-WAY, WORK WITHIN TRAVEL LANE UTILIZE INDEX 603. FOR ALL TWO-LANE WORK, TWO-WAY, WORK NEAR INTERSECTION UTILIZE INDEX 605. FOR ALL MULTILANE WORK OUTSIDE SHOULDER UTILIZE INDEX NO. 611 FOR ALL MULTILANE WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE UTILIZE INDEX NO. 613 FOR ALL MULTILANE WORK NEAR INTERSECTION MEDIAN OR OUTSIDE LANE UTILIZE INDEX NO. 616. FOR PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALK, UTILIZE FDOT INDEX NO 660.
- 2. CONTRACTOR TO COORDINATE WITH FDOT ENGINEER AND TOWN FOR ALL WORK IN FDOT ROW
- 3. TO AVOID DISRUPTION DUE TO INCLEMENT WEATHER, THE CONTRACTOR SHOULD PERFORM ANY MILLING AND PAVING OPERATIONS DURING THE SAME WORK PERIOD
- ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE CONSTRUCTION LIMITS THAT HAVE BEEN ALTERED BECAUSE OF CONSTRUCTION OPERATIONS SHALL BE REPLACED UPON COMPLETION OF THE PROJECT AT THE CONTRACTORS EXPENSE.
- 5. AT THE END OF EACH WORKDAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP-OFF ADJACENT TO A SIDEWALK SHALL BE BACKFILLED AT A SLOPE NOT TO EXCEED 1:4, OR SHALL BE PROTECTED IN ACCORDANCE WITH STANDARD INDEX 600.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORMWATER FROM
- AT THE END OF EACH WORKING DAY'S ACTIVITY, TEMPORARY PAVEMENT MARKINGS AND TEMPORARY RAISED PAVEMENT MARKERS SHALL BE INSTALLED PRIOR TO OPENING THE LANES UP FOR TRAFFIC.
- 8. ALL PAVEMENT MARKINGS, SIGNS, MARKERS, CHANNELIZATION REQUIRED TO PHASE WORK OR SHIFT TRAFFIC, SHALL UTILIZE INDICES FOR PLACEMENT.
- 9. THE CONTRACTOR SHALL RESTRICT THE OPERATIONS SO THAT THE FIRST LIFT OF ASPHALT IS PLACED ONT HE SAME DAY THAT THE LANES ARE MILLED, BEFORE OPENING THE LANES TO TRAFFIC. INSTALL TEMPORARY PAVEMENT MARKINGS AFTER THE FIRST LIFT AND PRIOR TO OPENING.
- 10. MAINTENANCE OF TRAFFIC WILL BE THE RESPONSIBILITY OF THE CONTRACTOR
- 11. DETAILED SIGNED AND SEALED MAINTENANCE OF TRAFFIC PLANS ARE TO BE SUBMITTED TO THE TOWN'S PUBLIC WORKS DEPARTMENT AND THE ENGINEER OF RECORD, BY THE CONTRACTOR, FOR REVIEW AND APPROVAL A MINIUMUM OF 5 WORKING DAYS PRIOR TO IMPLEMENTATION.

LICENSED PROFESSIONAL
ASHLEY M. MIELE, P.E.
66476

SARASOTA COUNTY CHECKED BY AMM

6. OUTLET STRUCTURES SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES

ROADWAYS UTILIZED FOR TRAFFIC CONTROL IN A MANNER APPROVED BY THE ENGINEER.

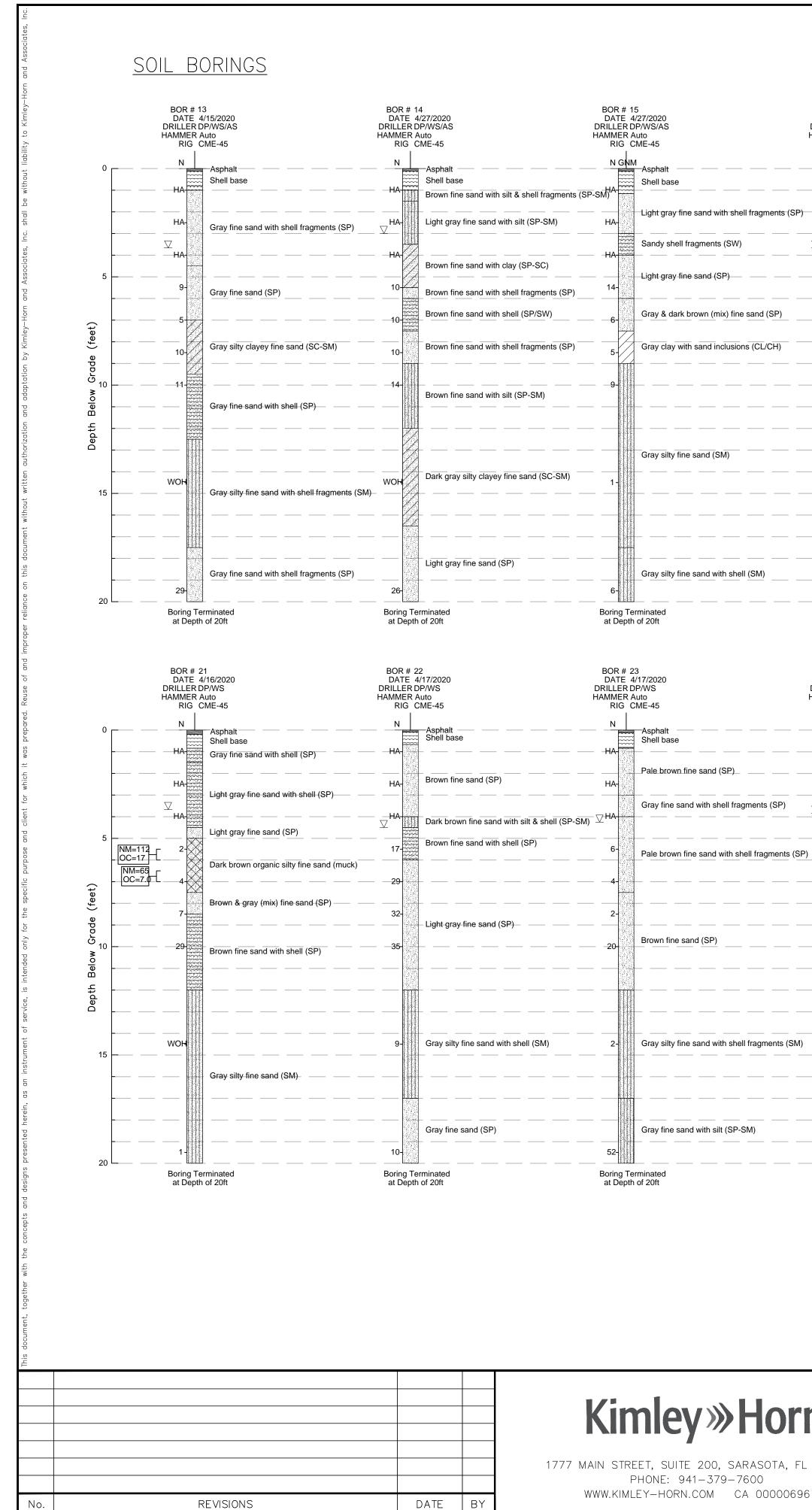
SHEET NUMBER



	LEGEND
	SITE CONTROL POINT
- -	APPROX. SOIL BORING LOCATION (SEE GEOTECH REPORT)
0	IRON PIPE FOUND
•	IRON ROD FOUND
	CONCRETE MONUMENT FOUND
Ø	EXIST UTILITY POLE
Ľ	EXIST GUY WIRE
	EXIST SIGN
S	EXIST SANITARY MANHOLE
\bigcirc	EXIST STORM MANHOLE
Ŷ	EXIST FIRE HYDRANT
Ч П	EXIST WATER METER
Z	EXIST WATER VALVE
	EXIST BLOW OFF
-0-	EXIST BACKFLOW PREVENTER
\cap	EXIST MAILBOX
¢.	EXIST LIGHT
Å	EXIST FLAG POLE
T	IRRIGATION VALVE
	EXIST CONTROL PANEL
Ó	EXIST ANTENNA
	EXIST UTILITY BOX
	EXIST UTILITY HANDHOLE
Ē	EXIST ELECTRIC MANHOLE
	EXIST ELECTRIC TRANSFORMER
Φ	
	EXIST UTILITY RISER RIGHT-OF-WAY
R/W PID	PARCEL IDENTIFICATION
PB	PLAT BOOK
PG	PAGE
PKD	PK NAIL W/ DISC
L'ANNA L'ANNA L'ANNA	EXIST OAK TREE
X	EXIST PALM TREE
A REAL PROPERTY AND A REAL	EXIST PINE TREE
S	EXIST ORNAMENTAL TREE
Res and a second	EXIST MISC TREE
	EXIST RIGHT-OF-WAY LINE
	EXIST BACK OF CURB
GAS	EXIST GAS LINE
BT	EXIST UNDERGROUND TELEPHONE
BE	EXIST UNDERGROUND ELECTRIC
	EXIST UNDERGROUND COMM. CABLE
	EXIST UNDERGROUND FIBER OPTIC
	EXIST UNDERGROUND CABLE TV
	EXIST OVERHEAD UTILITIES
	EXIST WATER MAIN
	EXIST SANITARY SEWER
	EXIST SANITARY FORCE MAIN
	GROUT FILL AND ABANDON WATER MAIN PROPOSED WATER MAIN

NOT FOR CONSTRUCTION

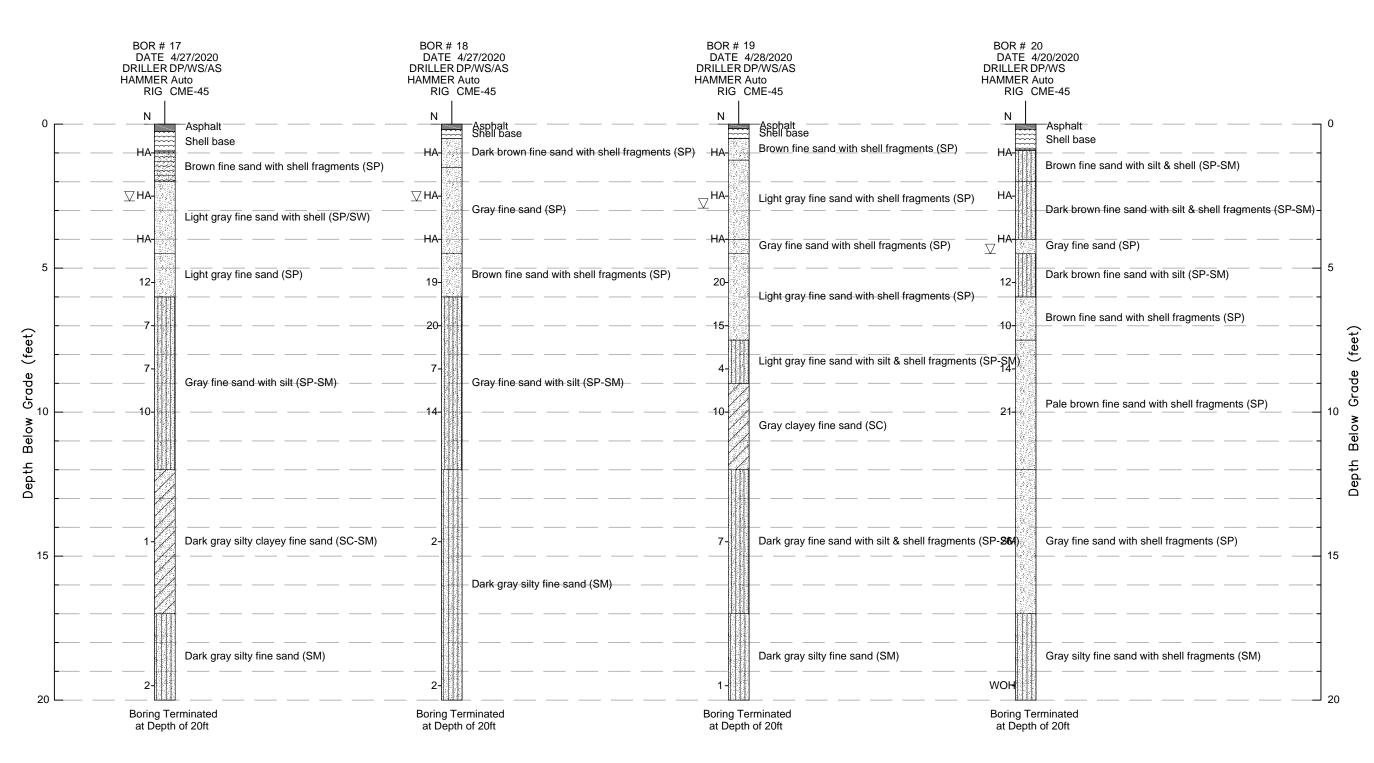




) 9) 6 6 6 6	Brown fine sand with shell (SP)	Depth Below Grade (feet)	Depth Below Grade (feet)	7 Gray fine sand wi		Gray fine sand with silt (SP-SN
	Dark gray silty clayey fine sand with shell fragments (SC-	- 15		1-Dark gray silty cla	uyey fine sand (SC-SM) 2-	
Boring Ter at Depth	rminated of 20ft	20	20	2- Boring Terminated at Depth of 20ft	2- Boring	Terminated pth of 20ft
BOR # 24 DATE 4, DRILLER D HAMMER A RIG C	/28/2020 P/WS uuto			BOR # 25 DATE 4/28/2020 DRILLER DP/WS HAMMER Auto RIG CME-45	DRILLE HAMME	E 4/20/2020 R DP/WS
N	—Asphalt		0	HA- HA- HA- HA-	HA-	Asphalt Shell base Brown fine sand with shell frac Pale brown fine sand with she
P) HA	Pale brown fine sand with shell fragments (SP)	- 5	5		n fine sand with shell (SP) \Box_{HA} and with shell fragments (SP) $-$ 9-	Light gray fine sand (SP)
4	Pale brown fine sand with silt & shell fragments (SP-SM)	Depth Below Grade (feet)	Depth Below Grade (feet)	19Light gray fine sat		Light gray fine sand with shell
s (SM) 14-	Dark gray fine sand with silt & shell fragments (SP-SM)	- 15	15	4	e sand (SM)	Gray silty fine sand (SM)
WOH Boring Ter at Depth	Dark gray silty clayey fine sand with shell fragments (SC-	SM) 20	20	2- Boring Terminated at Depth of 20ft	 	Light gray fine sand (SP)
	ON DATE DRILL	IN BLOWS PER FOOT RWISE NOTED) YERTED TO HAMMER MMER TURE CONTENT	GRANULAR MATERIALS- RELATIVE DENSITY VERY LOOSE LOOSE MEDIUM DENSE DENSE SILTS AND CLAYS CONSISTENCY VERY SOFT FIRM STIFF VERY STIFF HARD	SPT (BLOWS/FOOT) LESS THAN 4 4-10 10-30 30-50 GREATER THAN 50 SPT (BLOWS/FOOT) LESS THAN 2 2-4 4-8 8-15 15-30 GREATER THAN 30		
orn	KHA PROJECT 148800005 DATE 9/26/2022			IGBOAT UB SHORE	KEY	LICENSED PROFESSIONAL
A, FL 34236 20696	DRAWN BY LMC		_	REPLACE	_	66476

CHECKED BY AMM SARASOTA COUNTY

BOR # 16 DATE 4/15/2020 DRILLER DP/WS/AS HAMMER Auto RIG CME-45 N Asphalt Limerock base HA 岸 Gray fine sand with shell (SP) Brown & gray (mix) fine sand with silt (SP-SM) Dark brown fine sand with shell (SP/SW)



FL date:

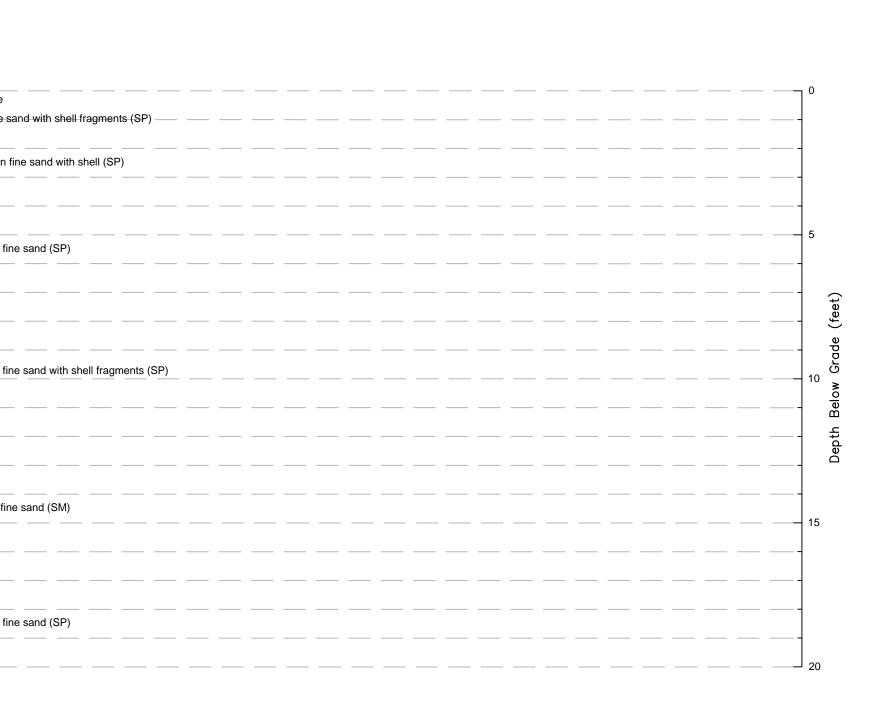
G-3

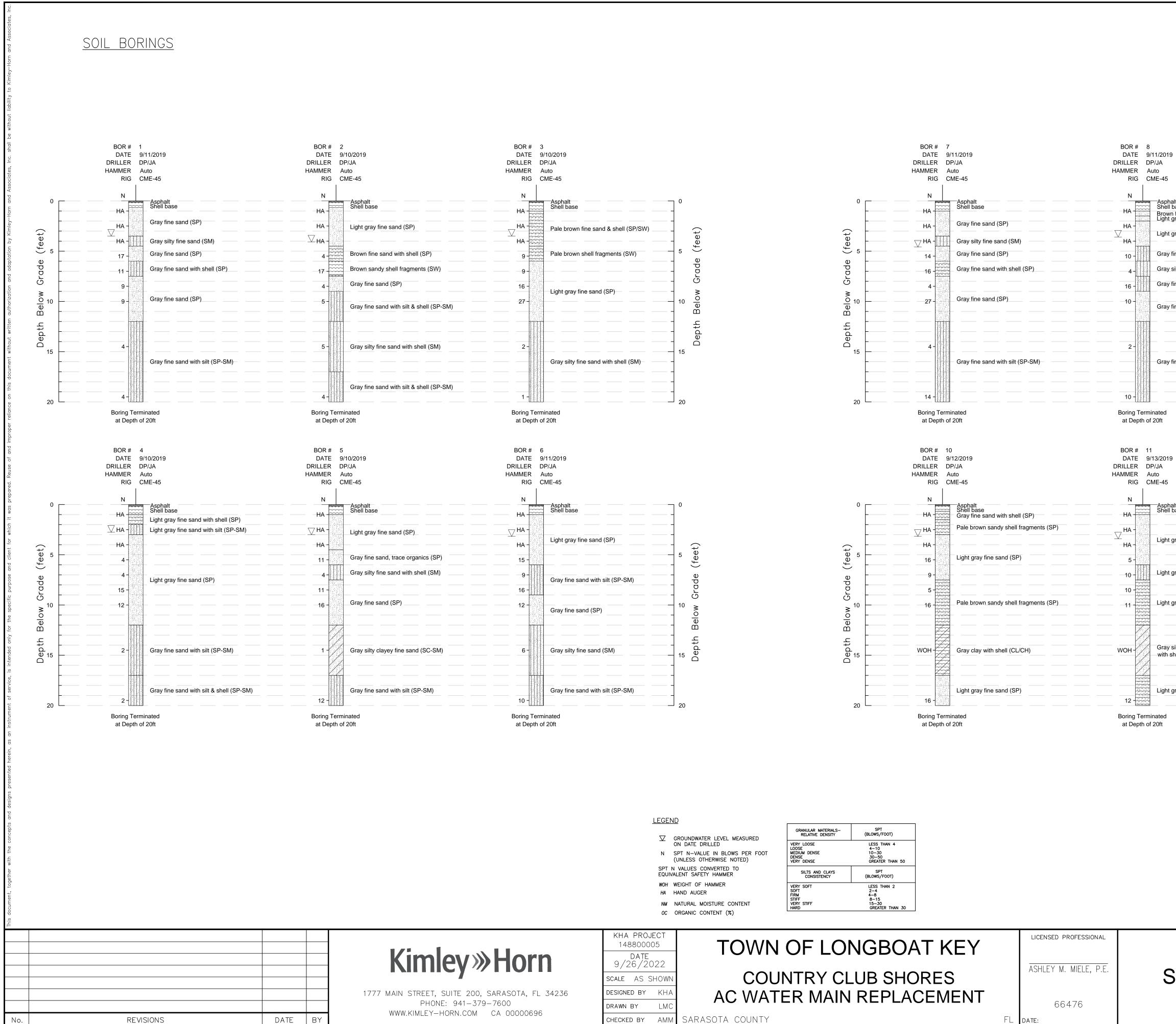
SOIL BORINGS (PHASE 1)

SHEET NUMBER

NOT FOR CONSTRUCTION

*GEOTECHNICAL DATA BASED ON REPORT PROVIDED BY ARDAMAN & ASSOCIATES DATED 5/7/2020





CHECKED BY AMM

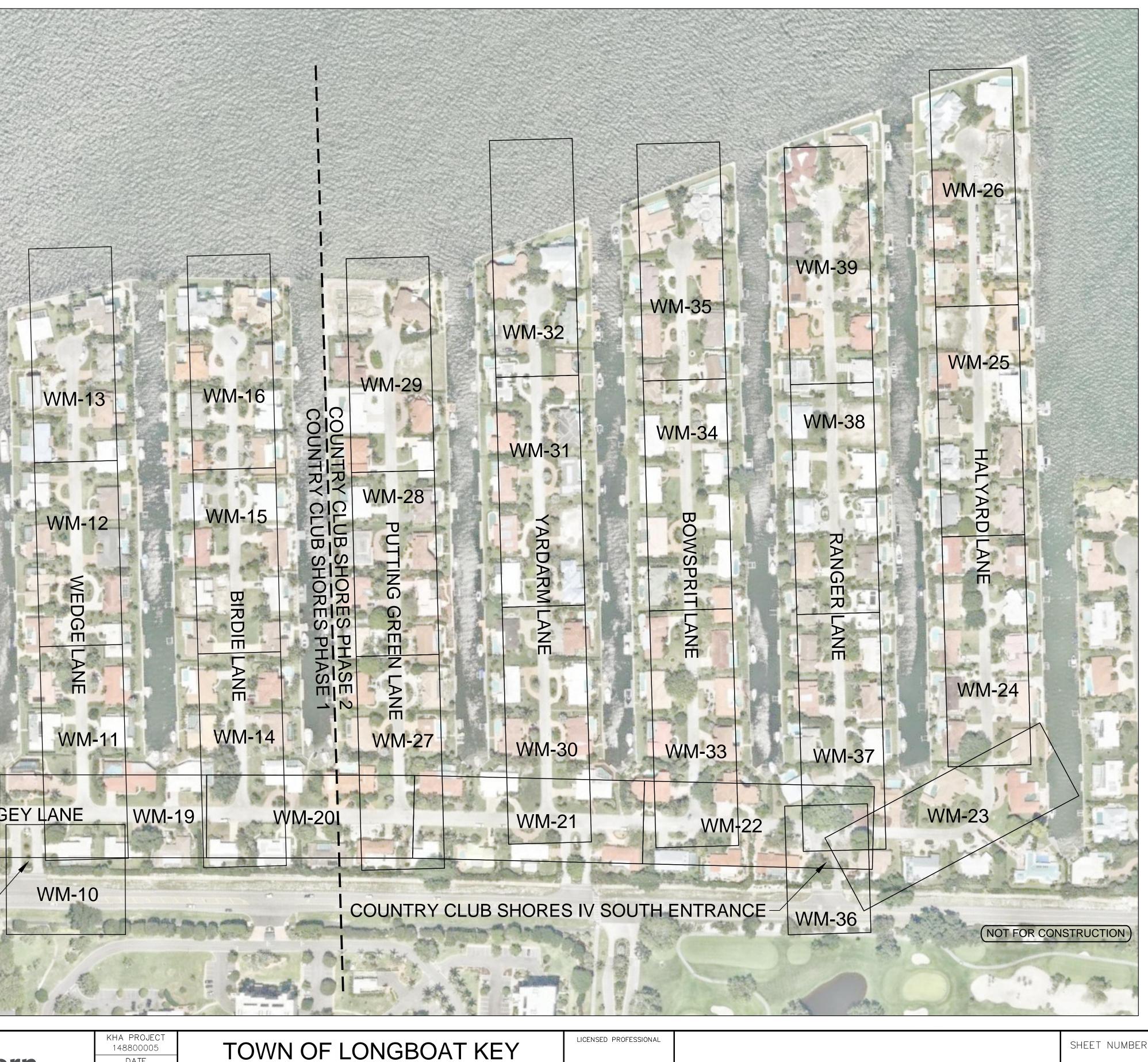
SOIL BORINGS (PHASE 2)

SHEET NUMBER

G-4

BOR # 9 DATE 9/12/2019 DRILLER DP/JA HAMMER Auto RIG CME-45 RIG CME-45 Ν HA Brown fine sand with roots (SP) Light gray fine sand with roots (SP) HA Asphalt Shell base Light gray fine sand (SP) HA -Gray clay (CL/CH) Light gray fine sand (SP) HA Light gray fine sand with shell (SP) Dark brown fine sand & shell (SP/SW) 14 Light brown fine sand with shell (SP) Ć Gray fine sand with silt (SP-SM) ____Gray silty fine sand (SM) 11 Light brown sand & shell (SW) Ģ NM=34 Brown fine sand with silt (SP-SM) Gray fine sand with silt (SP-SM) 12 -OC=1.2 Light gray fine sand (SP) Gray fine sand (SP) ш \Box WOH-Gray clayey fine sand with shell (SC) Gray fine sand with silt & shell (SP-SM Light gray fine sand (SP) 9 -Boring Terminated at Depth of 20ft BOR # 12 DATE 9/13/2019 DRILLER DP/JA HAMMER Auto RIG CME-45 RIG CME-45 Ν Asphalt Shell base Asphalt Shell base HA + Light gray fine sand (SP) HA Light gray fine sand with silt (SP-SM) Light gray fine sand (SP) HA Gray clay with sand (CL/CH) t Φ Light gray fine sand (SP) 17 -(fe Gray fine sand with shell (SP) Light gray fine sand with silt (SP-SM) Light gray fine sand with silt & shell (SP-SM) 14 -G 11 Light gray fine sand with shell (SP) ¹⁰ ≥ Light gray fine sand (SP) ന ţ NM=47 OC=3.0 Gray silty clayey fine sand Brown fine sand with organic fines (SP-SM) with shell (SC-SM) 15 U Light gray fine sand with shell (SP) Light gray fine sand (SP) 26 -Boring Terminated at Depth of 20ft *GEOTECHNICAL DATA BASED ON REPORT PROVIDED BY ARDAMAN & ASSOCIATES DATED 9/23/2019 NOT FOR CONSTRUCTION

Associates, Inc. shall be without liability to Kimley-Horn and Associate:	RAPHIC SCALE IN FEET 60 120 240				
	WM-04 WM-04 WM-04		OULTINKS LANE WM-05		WM-09 WM-08 MIN-08 MIN-07
	cou	AL A.	DF MEXICO JB SHORE	B. mard	1
				1777 MAIN S	TREET, SUITE 200, SAR. PHONE: 941–379–76 IMLEY–HORN.COM CA



rn , FL 34236)696

DATE 9/26/2022 SCALE AS SHOW ESIGNED BY KH. DRAWN BY LMC

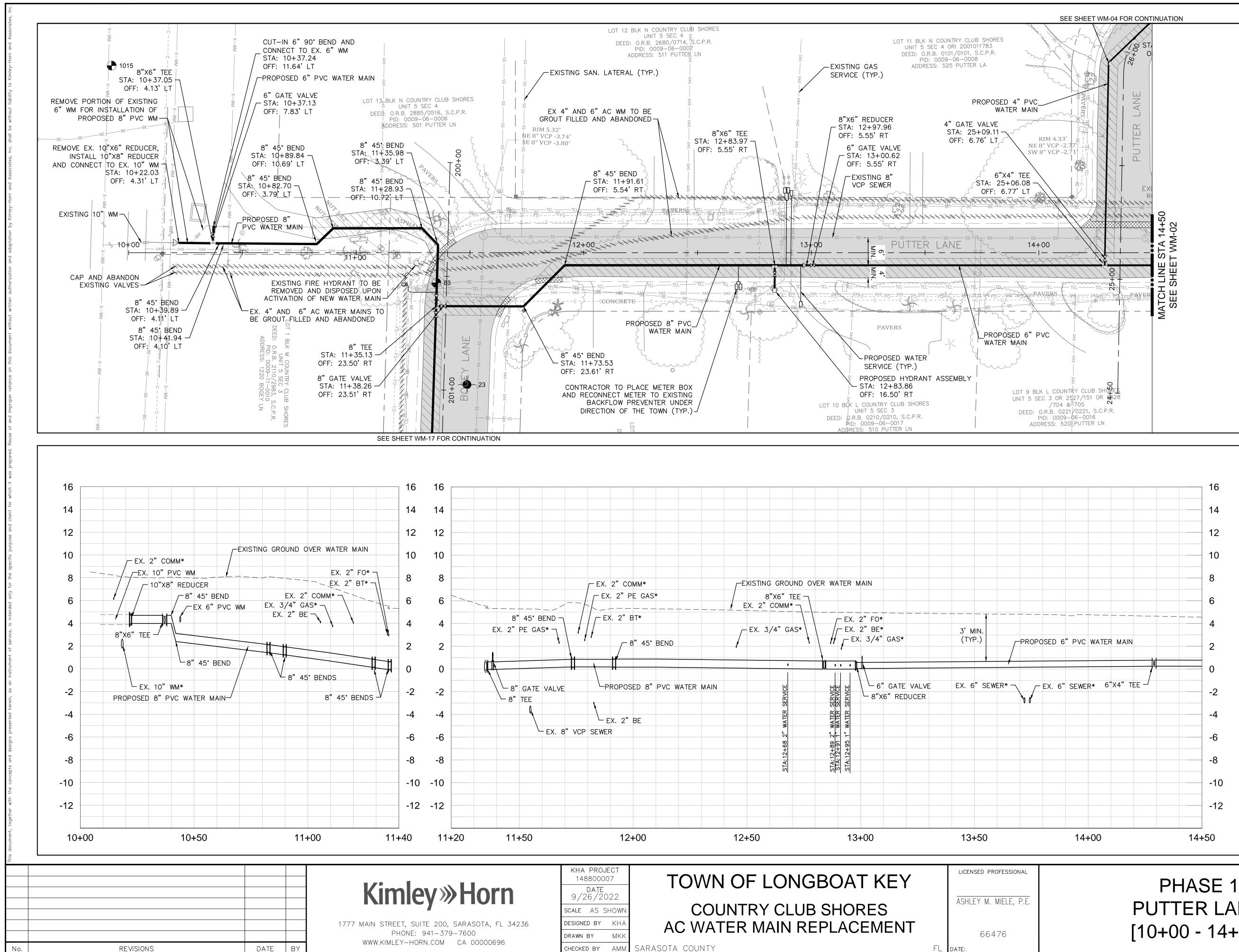
COUNTRY CLUB SHORES AC WATER MAIN REPLACEMENT ASHLEY M. MIELE, P.E. 66476

CHECKED BY AMM SARASOTA COUNTY

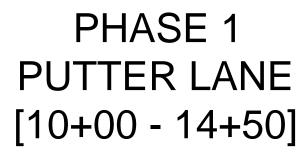
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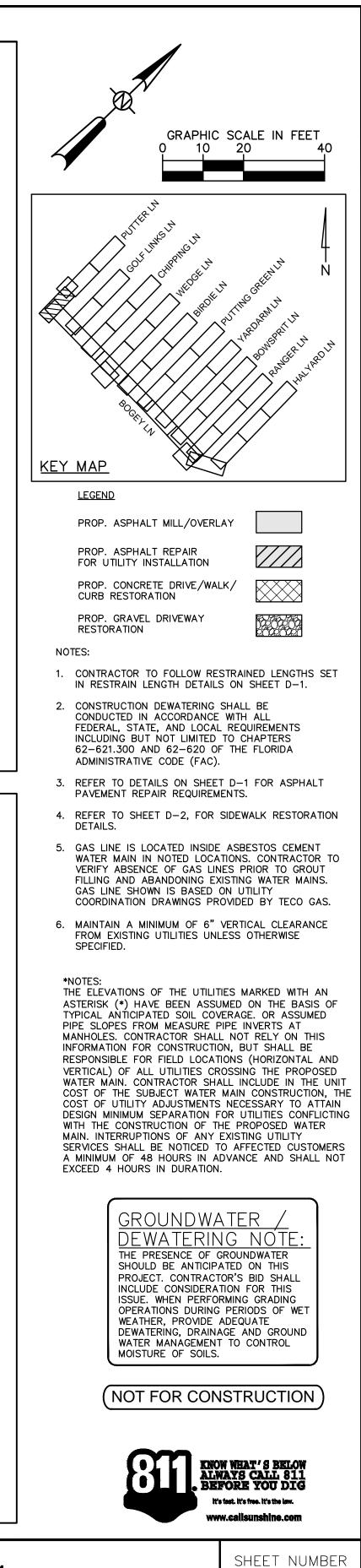
KEY SHEET

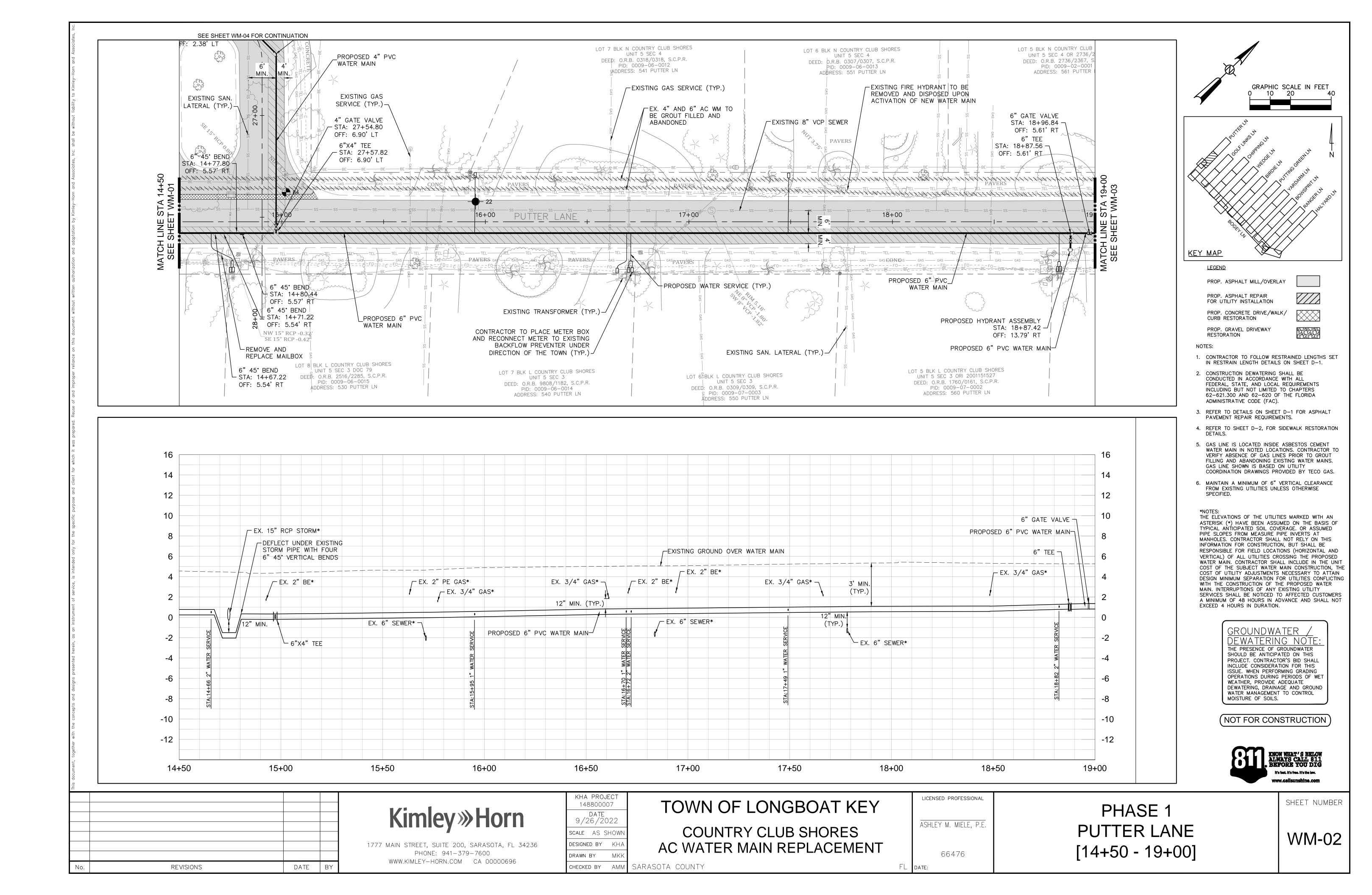
G-5

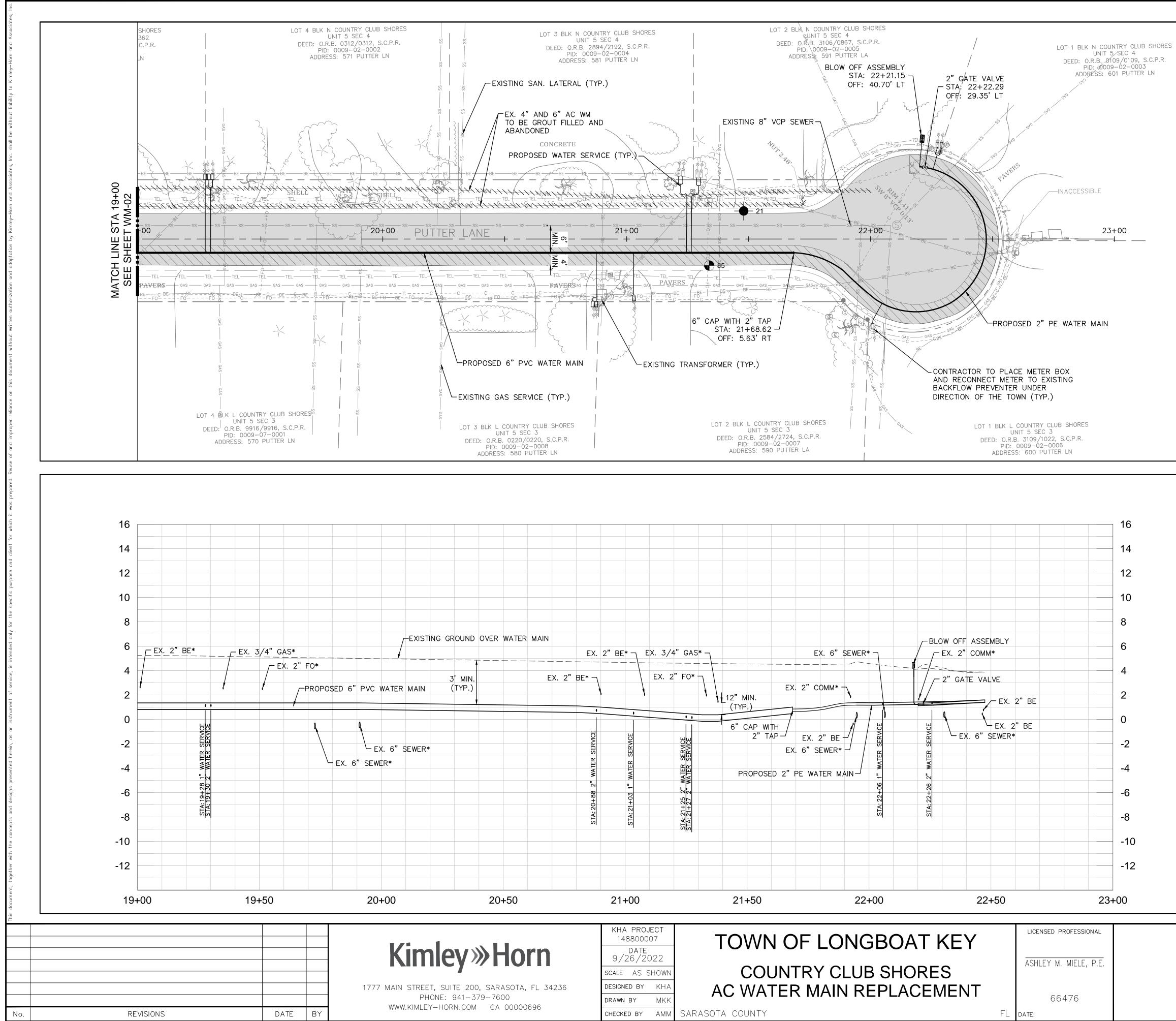


		• BEND		// F EX. 3	/4" GAS*	(TYP.)	PROPOSE
8" GATE VAL 8" TEE EX	_VEPROPOSED 8	PVC WATER MAIN	STA:12+68 2" WATER SERVICE	STA: 12+89 2" WATER SERVICE STA: 12+91 1" WATER SERVICE STA: 12+95 1" WATER SERVICE	- 6" GATE VALVE 8"X6" REDUCER	EX. 6" SEW	
11+50	12+00	12+5	50	13+00)	13+50	
	KHA PROJECT 148800007 DATE 9/26/2022 SCALE AS SHOWN DESIGNED BY KHA DRAWN BY MKK CHECKED BY AMM SAF	TOWN OF COUNTF AC WATER	RY CLUE	3 SHORE	ES	LICENSED PRO ASHLEY M. 1 664 . Date:	MIELE, P.E.
A, FL 34236 00696	SCALE AS SHOWN DESIGNED BY KHA DRAWN BY MKK	AC WATER			MENT	664	

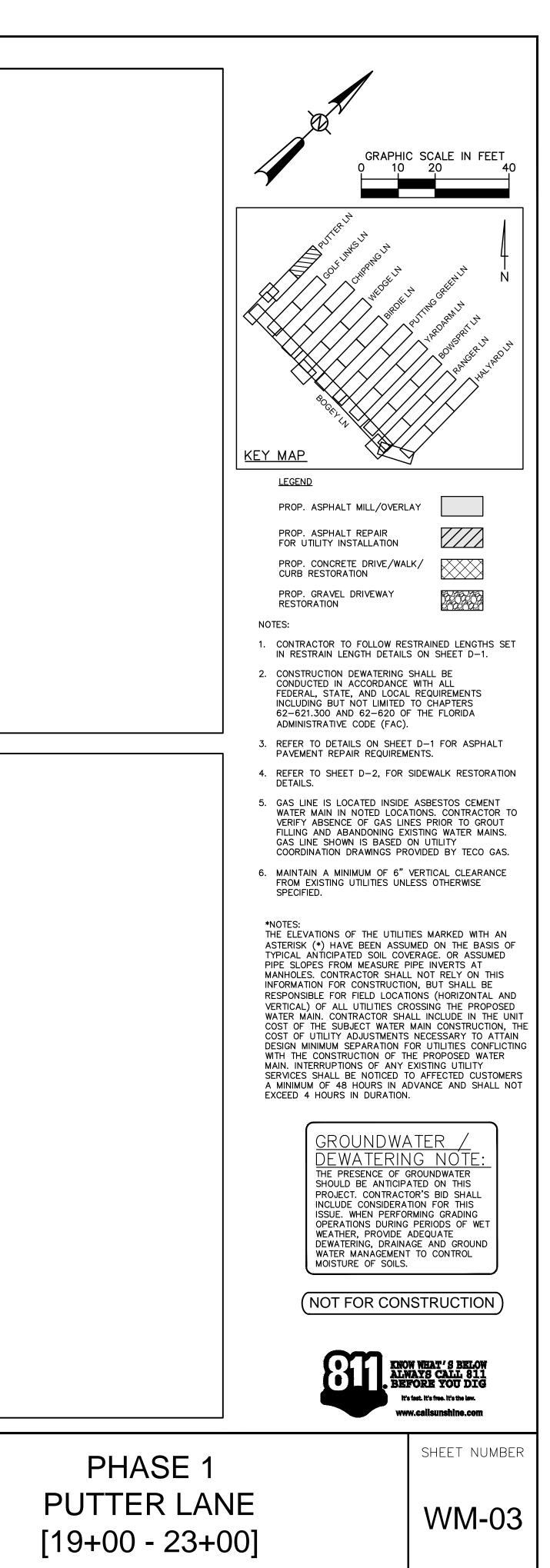




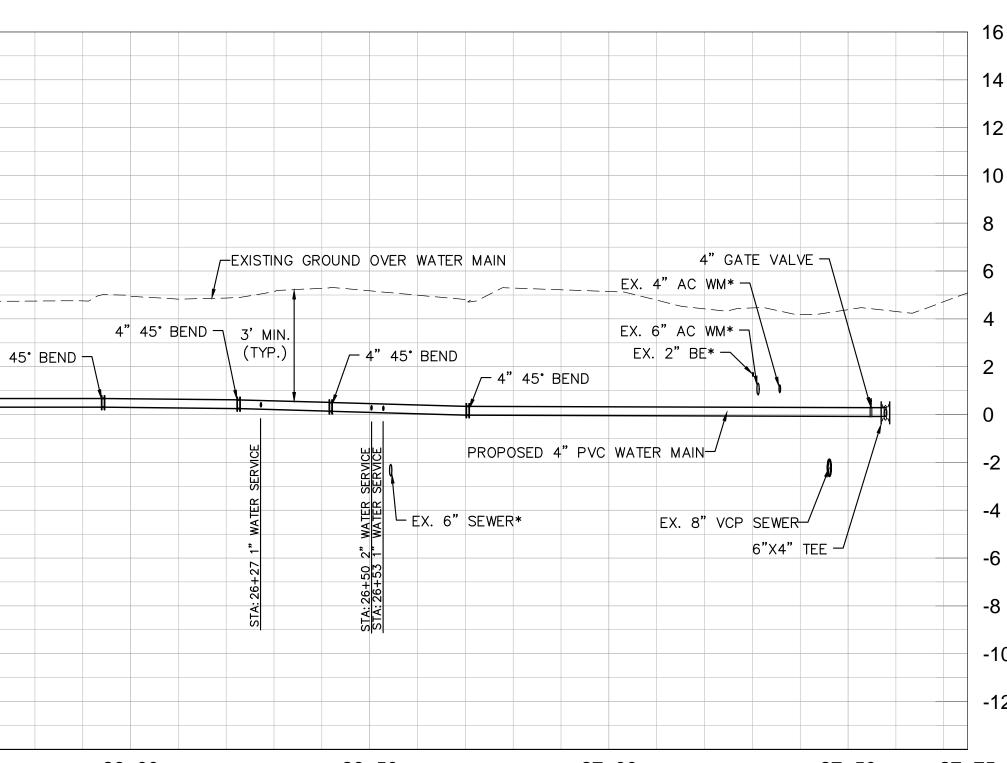


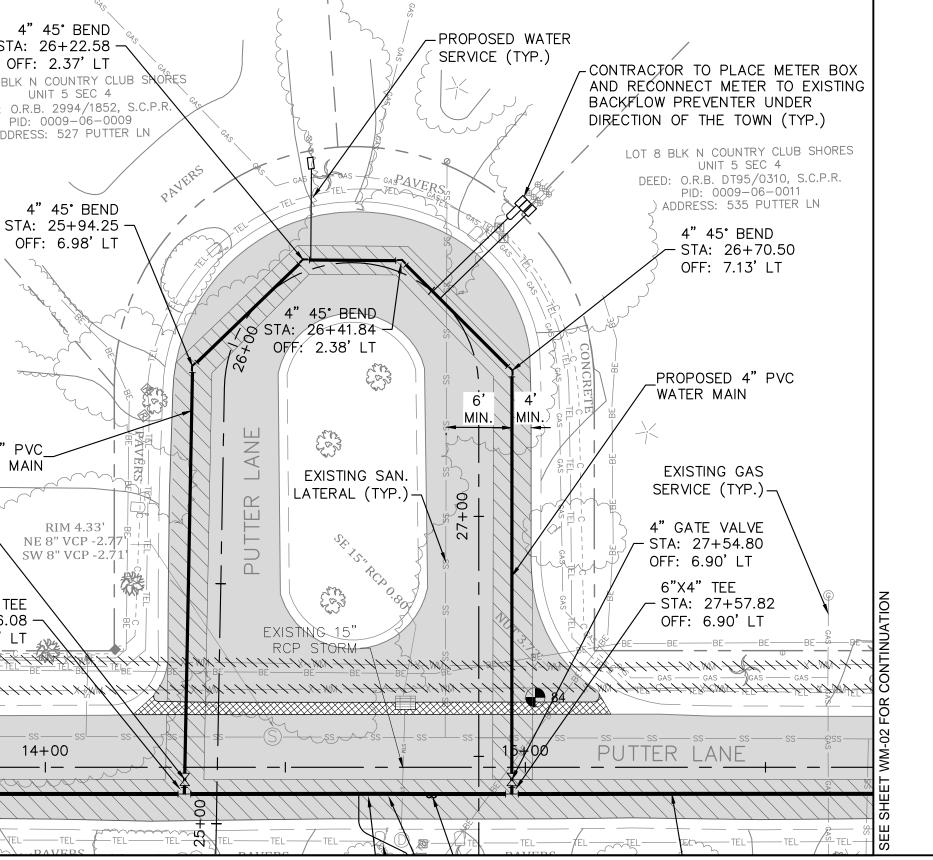


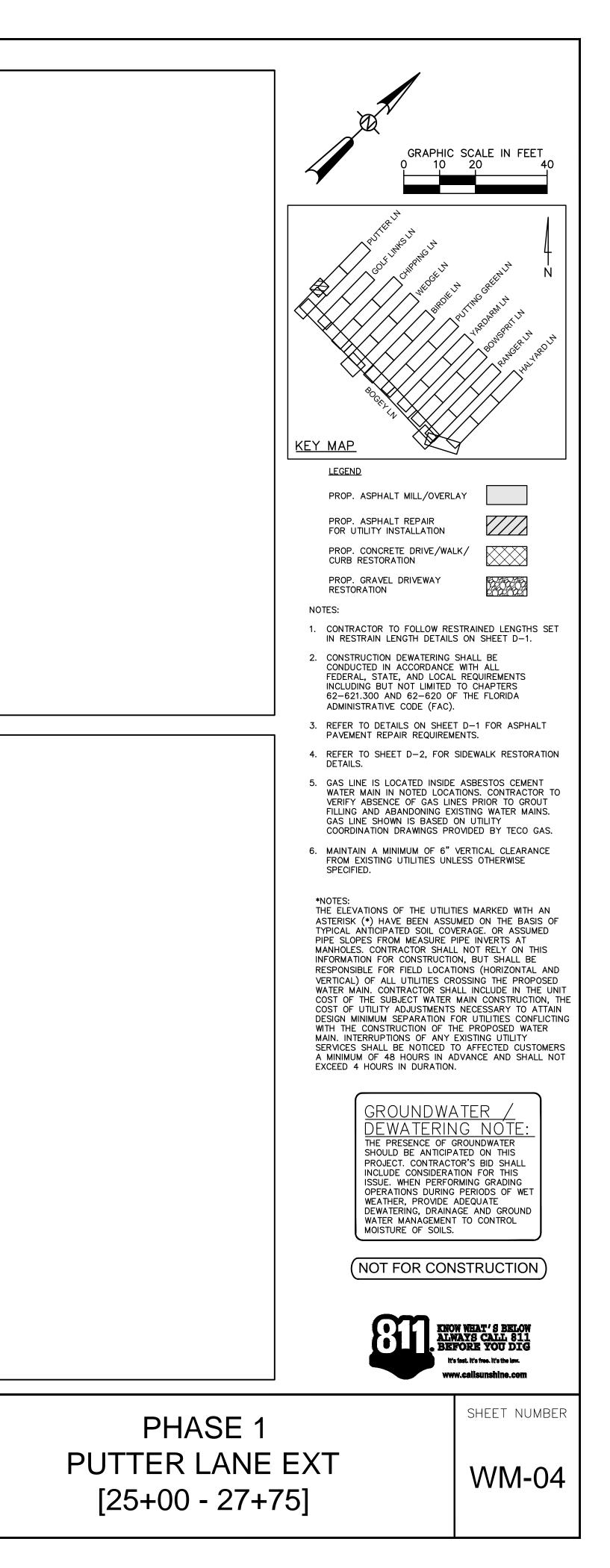
ER MAIN EX. EX. 2" BE* –	2" BE* – EX.	3/4" GAS* X. 2" FO*		EX. 6" SEWER*	-BLOW OFF EX. 2" - 2" GATE			12 1(8 6 4
• • • <th>STA: 21+03 1" WATER SERVICE</th> <th></th> <th>AIN. 2.) CAP WITH 2" TAPE</th> <th>EX. 2" BE 300 6" SEWER* 200 8</th> <th>.X3 SIA: 22+26 SIA: 22</th> <th>EX. 2 EX. 2 6 SEWER*</th> <th></th> <th>2 -2 -4 -6 -8 -1 -1</th>	STA: 21+03 1" WATER SERVICE		AIN. 2.) CAP WITH 2" TAPE	EX. 2" BE 300 6" SEWER* 200 8	.X3 SIA: 22+26 SIA: 22	EX. 2 EX. 2 6 SEWER*		2 -2 -4 -6 -8 -1 -1
	21+00	21	+50	22+00		22+50	23+	00
)rn A, Fl 34236 D0696	DRAWN BY	TO ' 2 DWN (COUNTI WATER	F LONGBO RY CLUB S MAIN REPL	HORES		LICENSED PROFESSIONAL ASHLEY M. MIELE, P.E. 66476 DATE:	

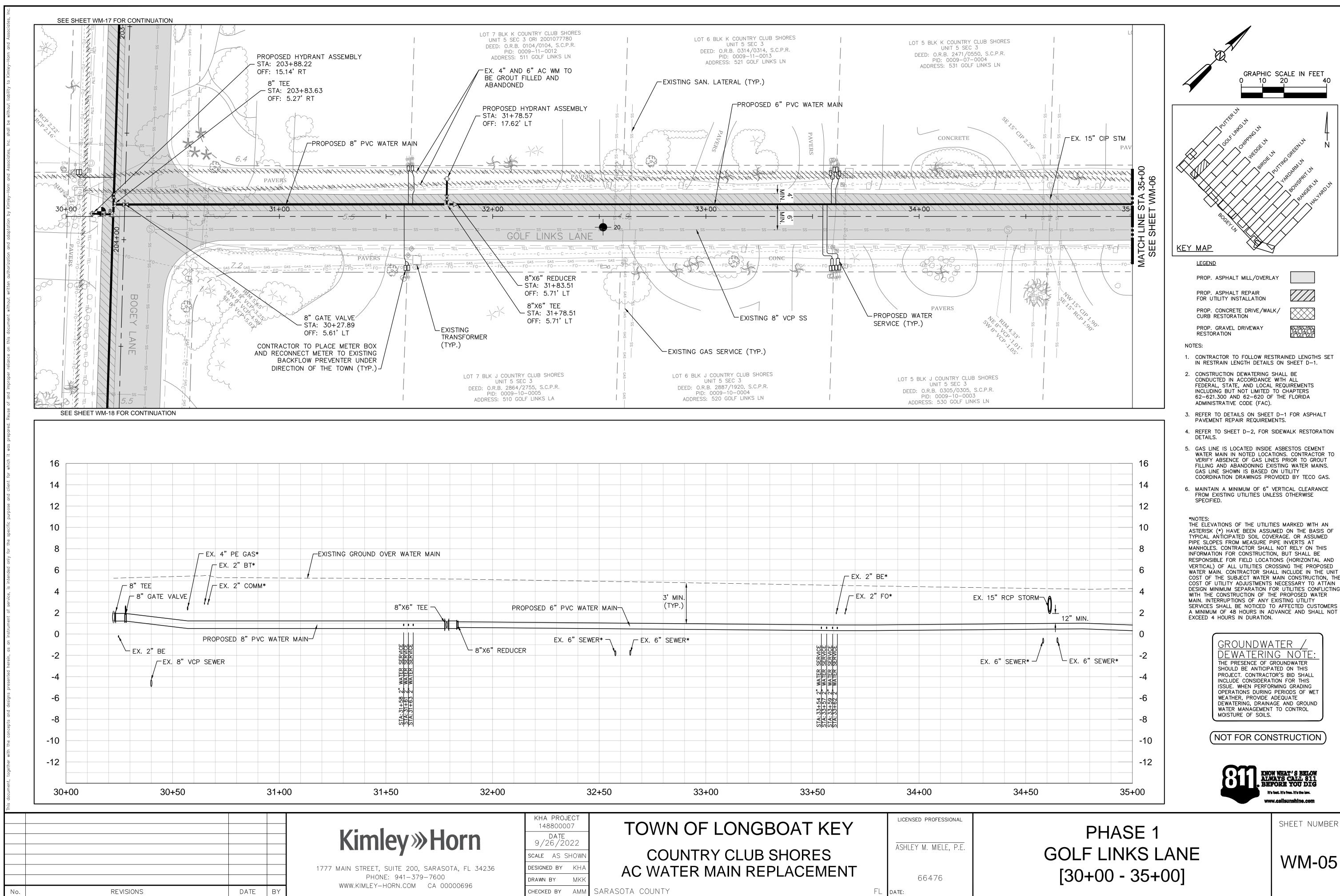


use of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.		po k:	4" 45' BEN STA: 26+22: OFF: 2.37' I LOT 10 BLK N COUNTRY UNIT 5 SEC DEED: O.R.B. 2994/1 PID: 0009-66 ADDRESS: 527 PI 4" 45' BE STA: 25+94 OFF: 6.98' OFF: 6.98' OFF: 6.98' PROPOSED 4" PVC WATER MAIN 4" GATE VALVE STA: 25+09.11 OFF: 6.76' LT NE 8" VCP- SW	58 - 5 -T -CLUB SNORES 4 B52, S.C.P.R. -DO09 JITTER LN -ND -25 LT -ND -25 LT 	BEND 41.84 8' LT ING SAN. AL (TYP.) 5" RM	CONTRACTOR TO PLACE METER AND RECONNECT METER TO EX BACKFLOW PREVENTER UNDER DIRECTION OF THE TOWN (TYP LOT 8 BLK N COUNTRY CLUB S UNIT 5 SEC 4 DEED: O.R.B. DT95/0310, S.C. PID: 0009-06-0011) ADDRESS: 535 PUTTER LN 4" 45' BEND STA: 26+70.50 OFF: 7.13' LT PROPOSED 4" PVC WATER MAIN EXISTING GAS SERVICE (TYP.) 4" GATE VALVE STA: 27+54.80 OFF: 6.90' LT 6"X4" TEE STA: 27+57.82 OFF: 6.90' LT BE BE BE BE BE BE BE BE CAS CAS CAS CAS PUTTER LANE	XISTING 2.) SHORES C.P.R. N	
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Ret		4 2 6"X4" TEE 2 0 -2 -4" GATE VA	Image: state stat	4" 45° BEND 7 3' MIN.	ROUND OVER WATER MAIN - 4" 45' BEND - 4" 45' BEND - 4" 45' BEND - 4" 45' B - 4" 45' B	EX. 6" AC WM* EX. 2" BE* END PVC WATER MAIN EX. 8" VCP SEWER		16 14 12 10 8 6 4 2 0 -2 -4 -6 -8 -10 -12
No.	REVISIONS DATE E	1777 MAIN STREE PH	Iley»Horn T, suite 200, sarasota, fl 342 IONE: 941–379–7600 Y–HORN.COM CA 00000696	DRAWN BY MKK	COUNT	F LONGBOA RY CLUB SHOF MAIN REPLAC	RES EMENT	LICENSED PROFESSIONAL ASHLEY M. MIELE, P.E. 66476 date:

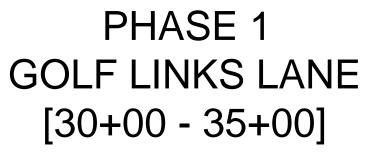








		3' MIN.	EX. 2"	BE* BE* BE* BE* BE* BE* BE* BE* BE* BE*
PROF		(TYP.)	STA: 33+54 2" WATER SERVICE STA: 33+54 2" WATER SERVICE STA: 33+55 2" WATER SERVICE	
32+00	32+50	33+00	33+50	34+00
A, FL 34236	9/26/2022 scale AS SHOWN	OWN OF LONG COUNTRY CLU WATER MAIN R	B SHORES	LICENSED PROFESSIONAL ASHLEY M. MIELE, P.E. 66476 FL DATE:





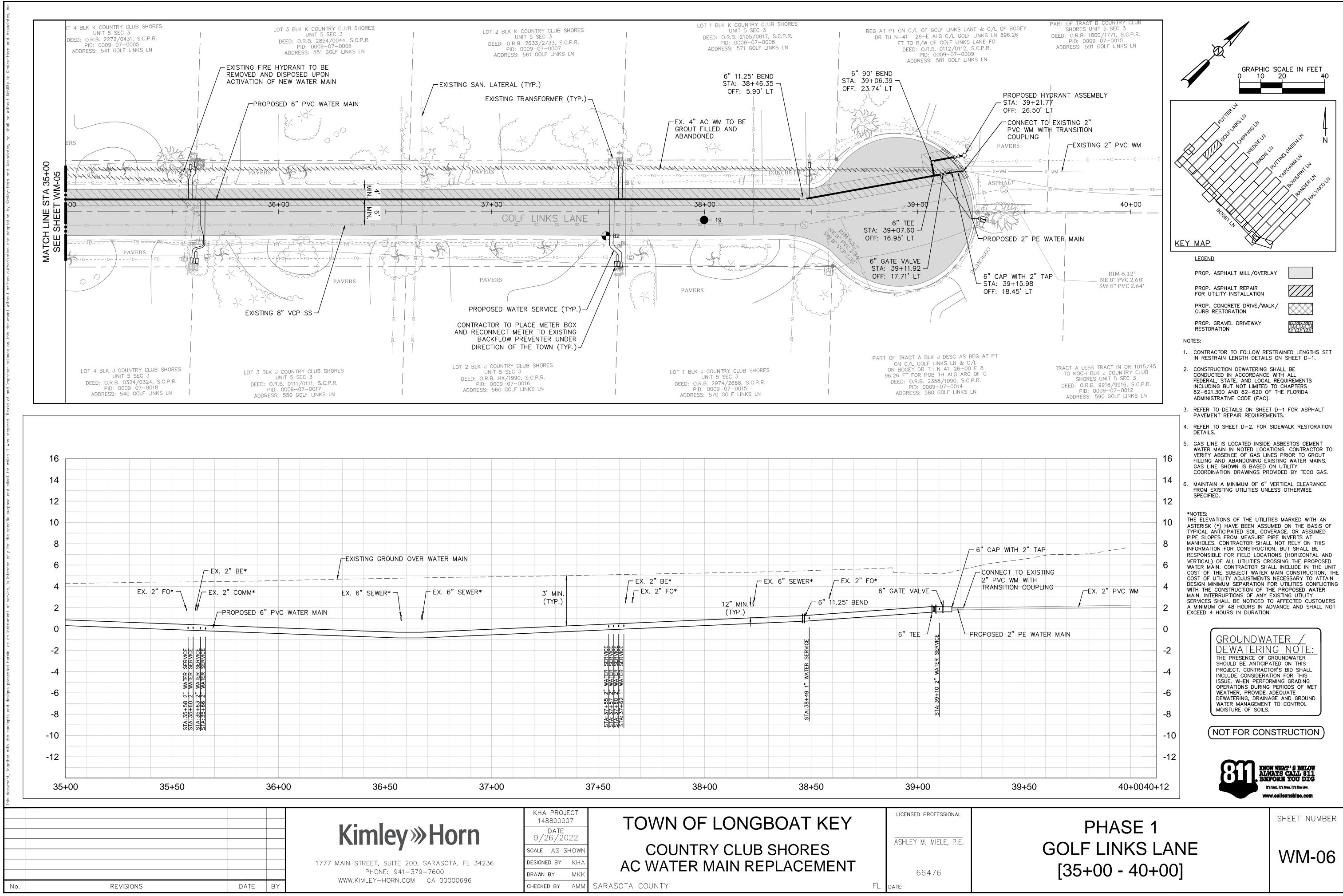
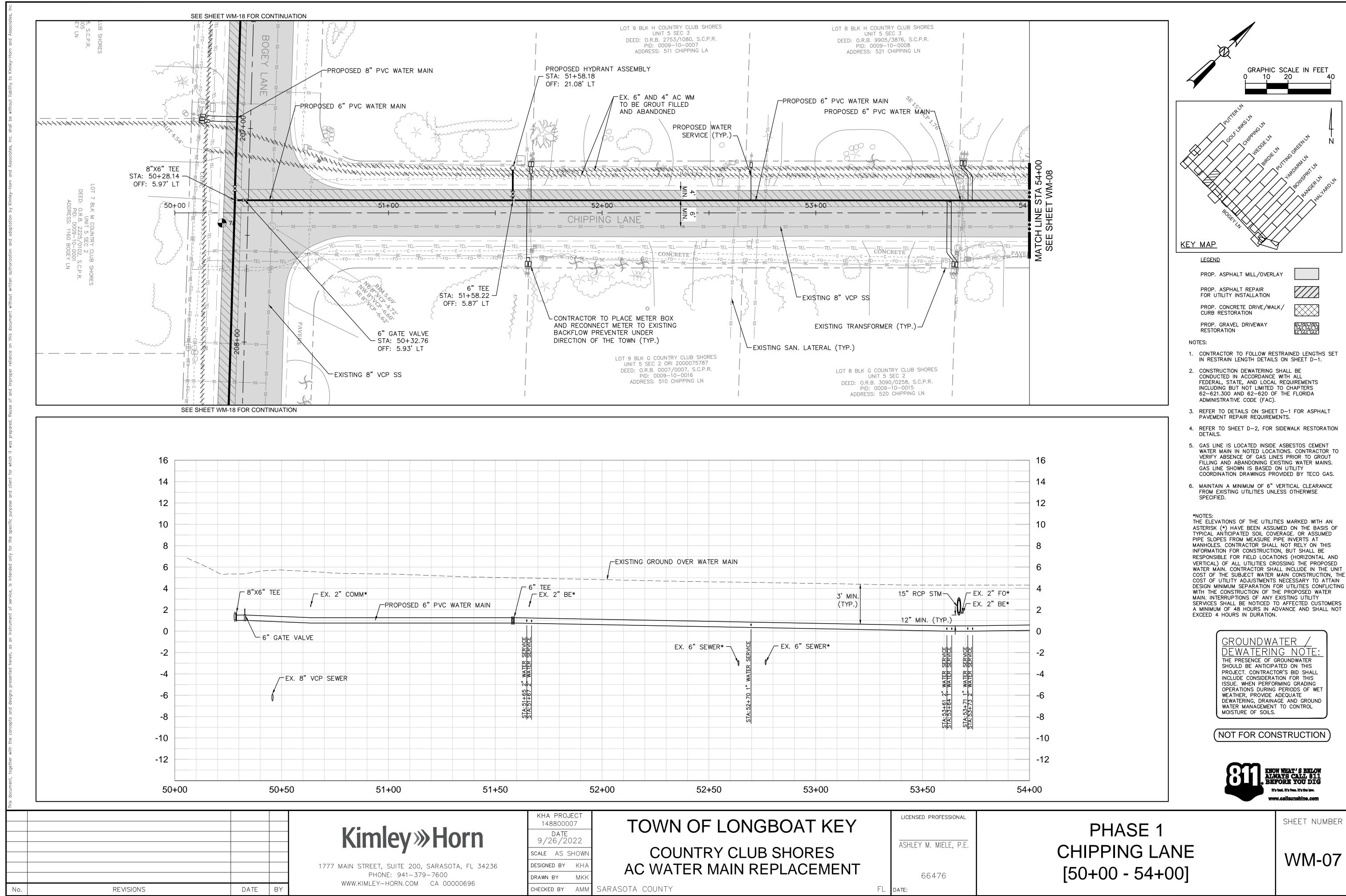
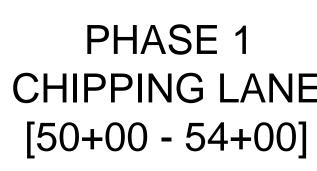


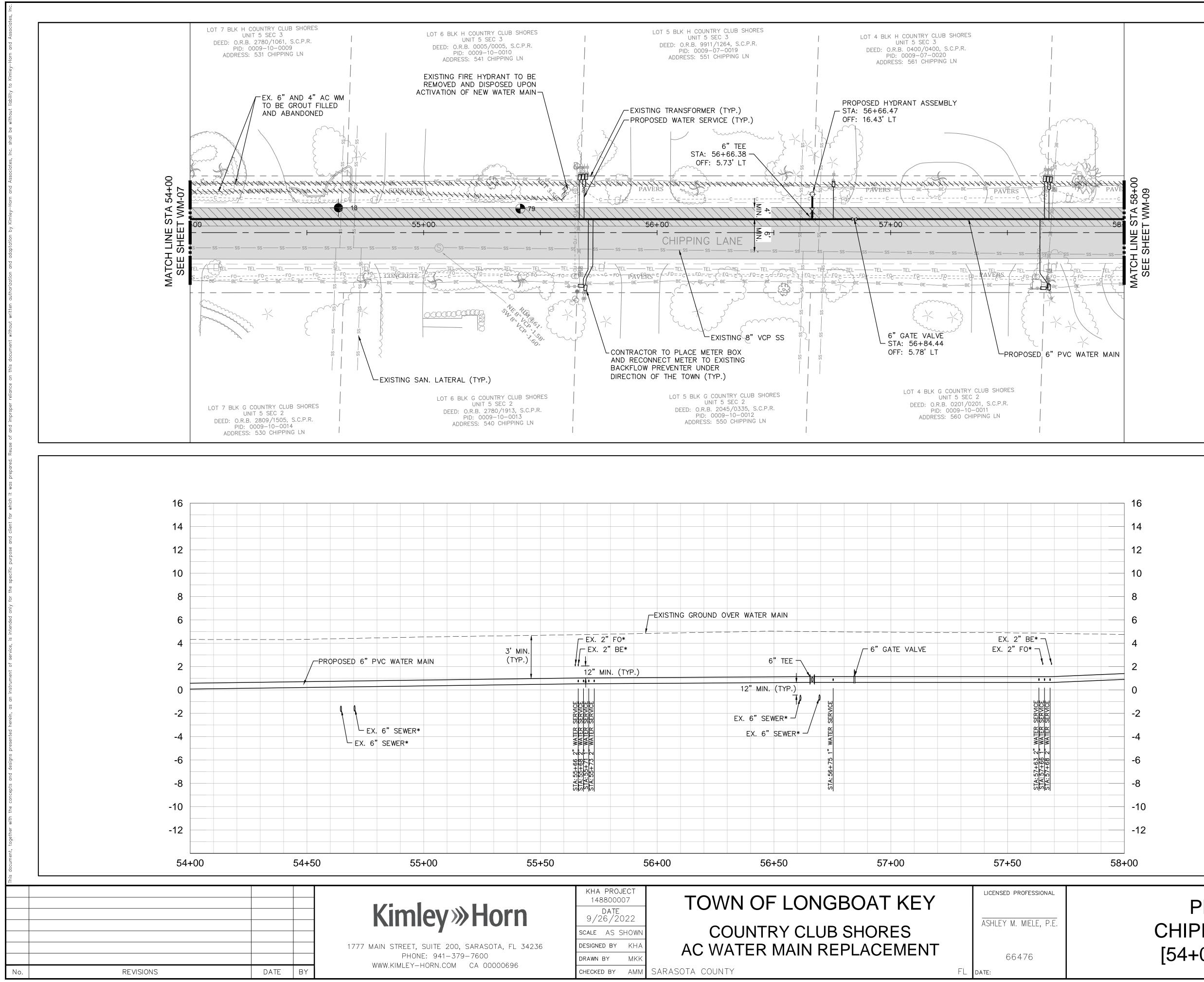
		Image: state stat	Image: selection of the selection				
MAIN	3' MIN. (TYP.)	EX. 2" BE*	12" MIN. (TYP.)	— — — — — — — — — — — — — — — — — — —		GATE VALVE	
		STA: 37+55 2" WATER SERVICE STA: 37+57 2" WATER SERVICE STA: 37+62 1" WATER SERVICE STA: 37+62 1" WATER SERVICE		STA: 38+49 1" WATER SERVICE		STA: 39+10 2" WATER SERVICE	
37+00	37	+50	38+00	38+50		39+00	
)rn A, Fl 34236 00696	KHA PROJECT 148800007DATE 9/26/2022SCALEASSCALEASDESIGNEDBYKHADRAWNBYMKKCHECKEDBYAMM	COU	NTRY CLUE	BOAT KE B SHORES EPLACEMEI	NT	LICENSED PROFESSION ASHLEY M. MIELE, 66476 Date:	



/ATER MAIN	6" TEE EX. 2" BE*		OUND OVER WATEI	R MAIN		MIN. YP.)		- EX.
ATER MAIN Image: Imag	STA: 51+65 2" WATER SERVICE STA: 51+65 2" WATER SERVICE STA: 51+65 2" WATER SERVICE	Image: set of the set of th	EX. 6" SEWE	STA: 52+70 1" WATER SERVICE	EX. 6" SEWER*		12" MIN. (TYP.) 12" MIN. (TYP.) 13" MIN. (TYP.) 14" MI	•
51+50	52	+00	52+5	60	53+00		53+50	
DIN TA, FL 34236 000696	KHA PROJECT 148800007DATE 9/26/2022SCALEASSHOWNDESIGNEDBYKHADRAWNBYMKKCHECKEDBYAMM	(COUNTR VATER M	Y CLUB S	OAT KE SHORES LACEMEN		LICENSED PROFESSIONAL ASHLEY M. MIELE, P.E. 66476 DATE:	

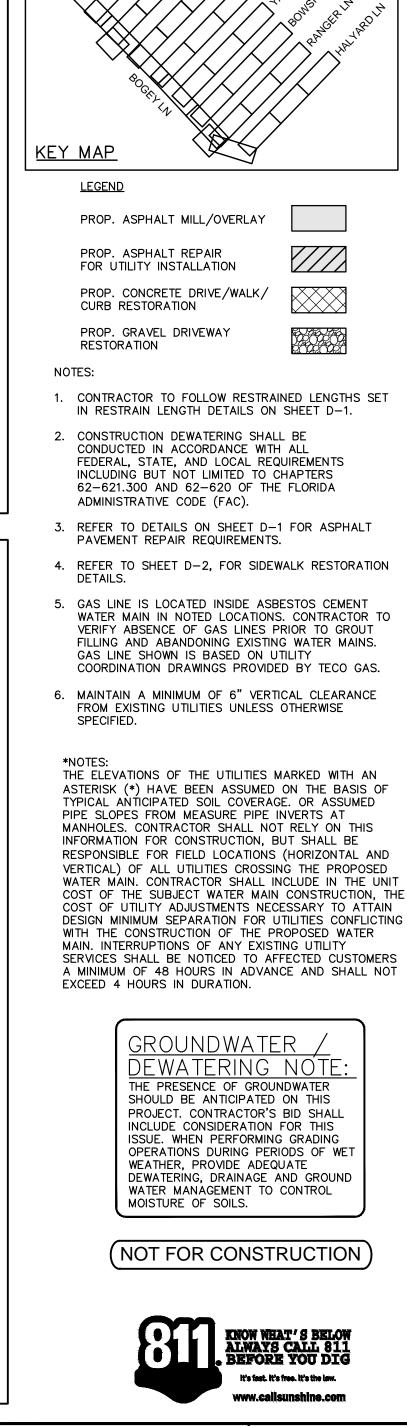






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	EX. 2" FO* EX. 2" FO* EX. 2" FO* EX. 2" BE* 12" MIN. (TYP.) 12" MIN. (TYP.) EX. 2" BE* EX. 2" E	12" MIN EX. 6" SE	6" TEE	Image: Section of the section of th	EX. 2" BE* EX. 2" BE* EX. 2" FO* EX. 2" FO*	
55+50	56+	-00 50	6+50	57+00	57+50	
DTN TA, FL 34236 000696	KHA PROJECT 148800007 DATE 9/26/2022 SCALE AS SHOWN DESIGNED BY KHA DRAWN BY MKK CHECKED BY AMM S/		F LONGBO RY CLUB SI MAIN REPL	HORES	LICENSED PROFESSIONAL ASHLEY M. MIELE, P.E. 66476 FL DATE:	

PHASE 1 CHIPPING LANE [54+00 - 58+00]



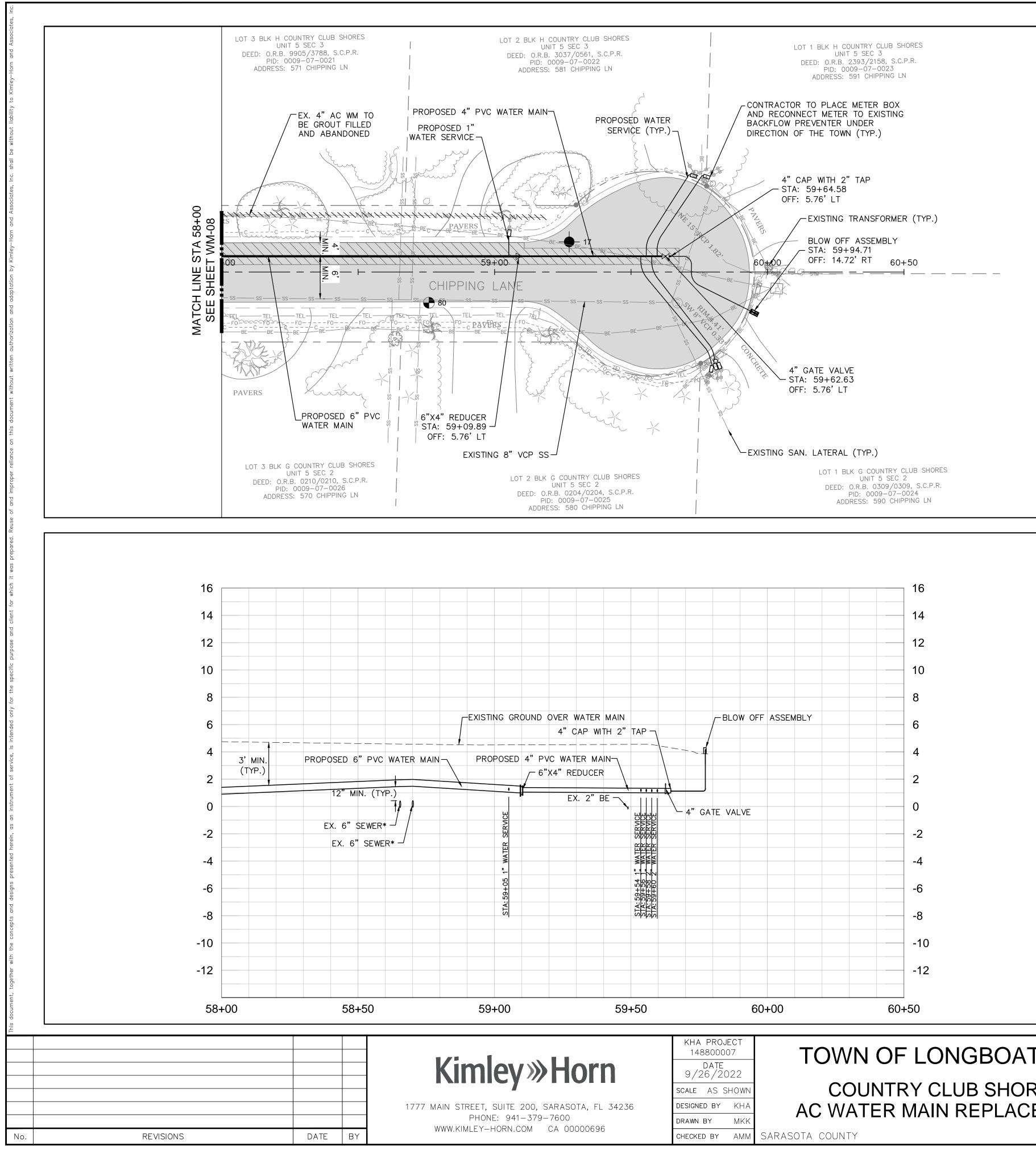
GRAPHIC SCALE IN FEET

20

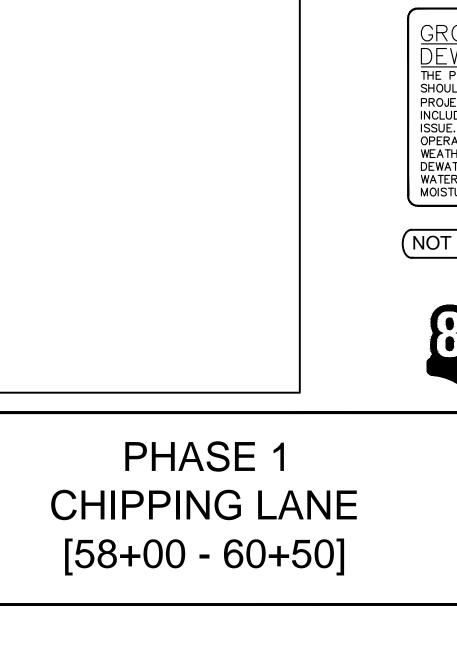


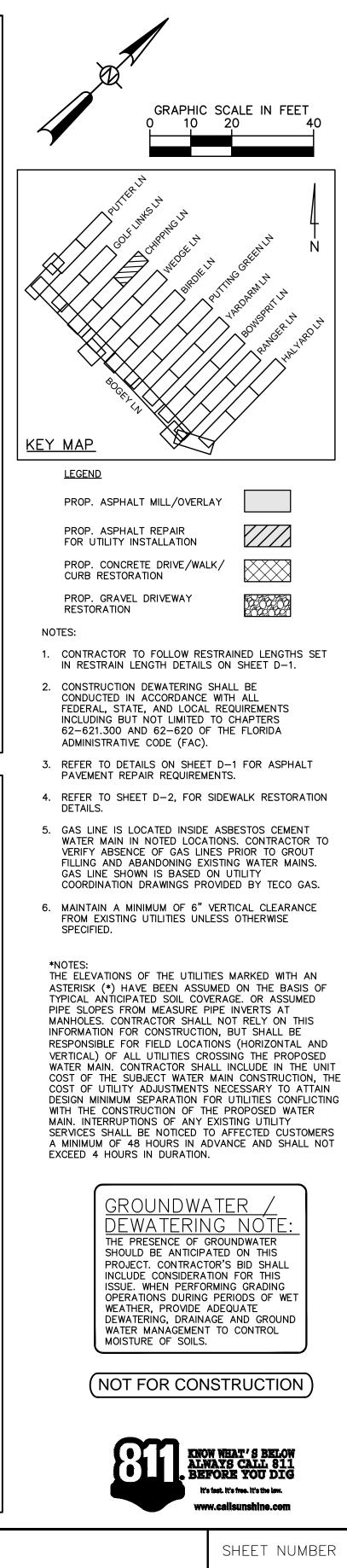
SHEET NUMBER

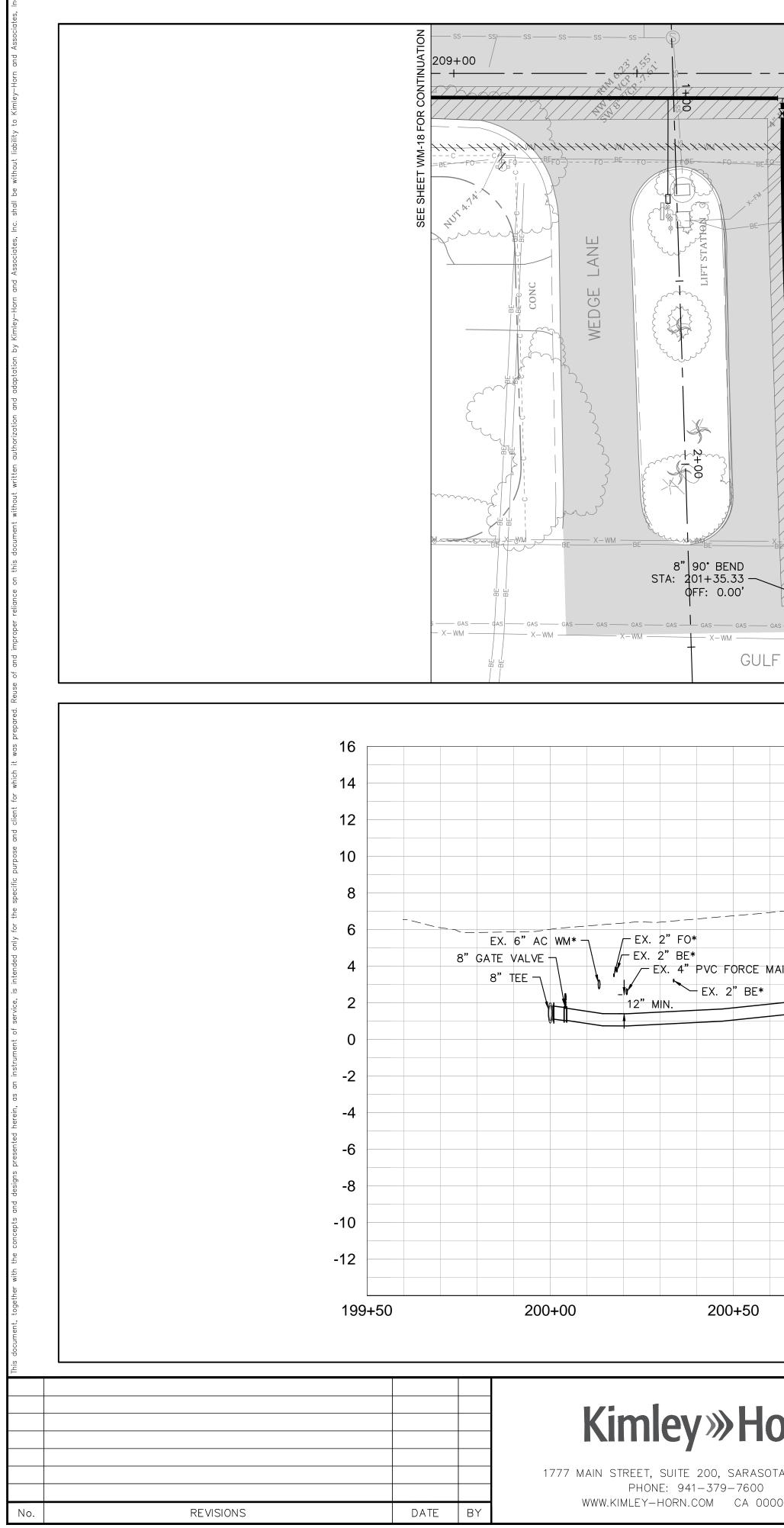




							-12				
59+	50			60+00		60	_)+50				
orn		KHA PR 14880 DA ⁻ 9/26/	0007 TE	-	TOW	/N OF	- LONGB	ΟΑΤ ΚΕ	Y	LICENSE	ED PROFESSIONAL
JIII		97207 SCALE AS	SHOW	-	-		RY CLUB S			ASHLEY	Y M. MIELE, P.E.
TA, FL 34236 200696		DESIGNED B	MKk	 / \	_		MAIN REP	LACEMEN			66476
		CHECKED B	Y AMM	1 SARA	SOTA COUN	ΤΥ			FL	DATE:	







LOT 1 BLK							<i>?</i>		
PI ADDR		5		DEED:	PID: 0009-15-0006	.C.P.R.	~	- Mis	
	GAS LINE SHOWN IS COORDINATION DRA TECO GAS. CONTRA LOCATION IN FIELD.	WINGS PROVIDED CTOR TO CONFIR COORDINAT PROTECTION DURING CO	BY RM E WITH TECO F N OF GAS MAIN NSTRUCTION		STA: 202+9 OFF: 0.00' EXISTING BLO ASSEMBLY A PAD TO BE 12"X8" REDU STA: 203+0 OFF: 0.04' L PROPOSED 12 CONNECT TO	96.06 DW-OFF ND CONCRET REMOVED JCER JCER 0.33 T ." PVC WATER	R MAIN	MES	
DRIVE									
				EXIS	TING GROUND OV	ER WATER M.	AIN		
. 10" PVC WM*			PROPOSED 8"	PVC WATER MA	3' MIN. IN- (TYP.)				
8" 90° BEND) 12" PVC W	ATER MAIN	√	
									/
201+00	201+50		202+00		202+50		2	203+00	
KHA PROJECT 148800007 DATE 9/26/2022 SCALE AS SHOWN DESIGNED BY KHA DRAWN BY MKK	CC	DUNTRY	CLUB	SHORE	S	ASHLEY	í M. MIELE		-
	KHA PROJECT 10" PVC WM* 10" PVC WM* 201+00 KHA PROJECT 10" DVC WM* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ROPOSED 8" PVC WATER MAIN SIDEWALK RESTORATION GAS LINE SHOWN IS CONCRET 202+00 CONCRET 201+00 CONCRET SCALE AS 9/26/2022 SCALE SCALE<	ADDRESS: 1130 BORY LM ROPOSED & PUC WATER MAIN SDEWALK RESTORATION PROVIDED TO COORDINATION DRAWINGS PROVIDED COORDINATION DRAWINGS PROVIDED TECO GAS. CONTRACTOR TO CONFIL COORDINATION DRAWINGS PROVIDED TO PUC WM* EX. 2" BE* EX. 2" PE GAS* 8" 90° BEND 8" 90° BEND 8" 90° BEND COUNTRY AC WATER M/ DESIGNED BY KHA	CONCRETE SIDEWALK CONCRETE SI	ADDRESS HIJ BOOKY IN CONTRACTION AND ADDRESS OF A DECEMBENT OF THE WAITER MAIN ADDRESS OF A DECEMBENT OF THE WAITER MAIN ADDRESS OF A DECEMBENT OF THE ADDRESS OF A DECEMBENT OF THE ADDRESS OF A DECEMBENT OF A DECEMBE	ADDRESS HAR BODY DA ADDRESS HAR BODY DA ST 42 2024 CONCRETE SIDEWALK CONCRETE SIDEWALK	ADDRESS 130 DOCT 130 DOCT 130 REPORTER MAN DERWALK RESTORATION DERWALK RESTORATION DERWALK RESTORATION DERWALK RESTORATION DERWALK RESTORATION DERWALK RESTORATION DERWALK RESTORATION DERWALK RESTORATION DERWALK RESTORATION DERWALK DERWAL	ADERES 103 BOSY 16 BODDEL E FOR MATER MAIN BODNEL RESTRATION WITHOUGHED DOWED STAL 202490 CONSTRUCTION TO CONTINUE WITHOUGHED DOWED STAL 202490 CONSTRUCTION TO CONTINUE WITHOUGHED DOWED STAL 202490 CONSTRUCTION TO CONTINUE WITHOUGHED DOWED STAL 202490 CONSTRUCTION CONSTRUCTION TO CONTINUE CONSTRUCTION TO CONTINUE CO	KURLEY 193 MORE VAN ANALES KER MAN BERMAR HERTOWNEN DOWN MARTEN DAWN SE RARED ON LITUTY MARTEN DOWN MARTEN DOWN MARTEN DOWN MARTEN DAWN MARTEN DOWN MARTEN DAWN MARTEN DOWN MARTEN DOWN MARTEN DOWN MARTEN DAWN MARTEN DOWN MARTEN DOWN MARTEN DOWN

SEE SHEET WM-11 FOR CONTINUATION

PROPOSED 8" PVC WATER MAIN

-rf-BE

211+00/

8"X6" TEE

- STA: 210+93.02

OFF: 7.03' RT

212+00

TEL TEL TEL PAVERS

STA: 212+19.26 -

PROPOSED HYDRANT ASSEMBLY

-EXISTING SAN. LATERAL (TYP.)

BOGEY LANE

マリタントキキキ レレント・アント・アント・アント・アント

8" TEE

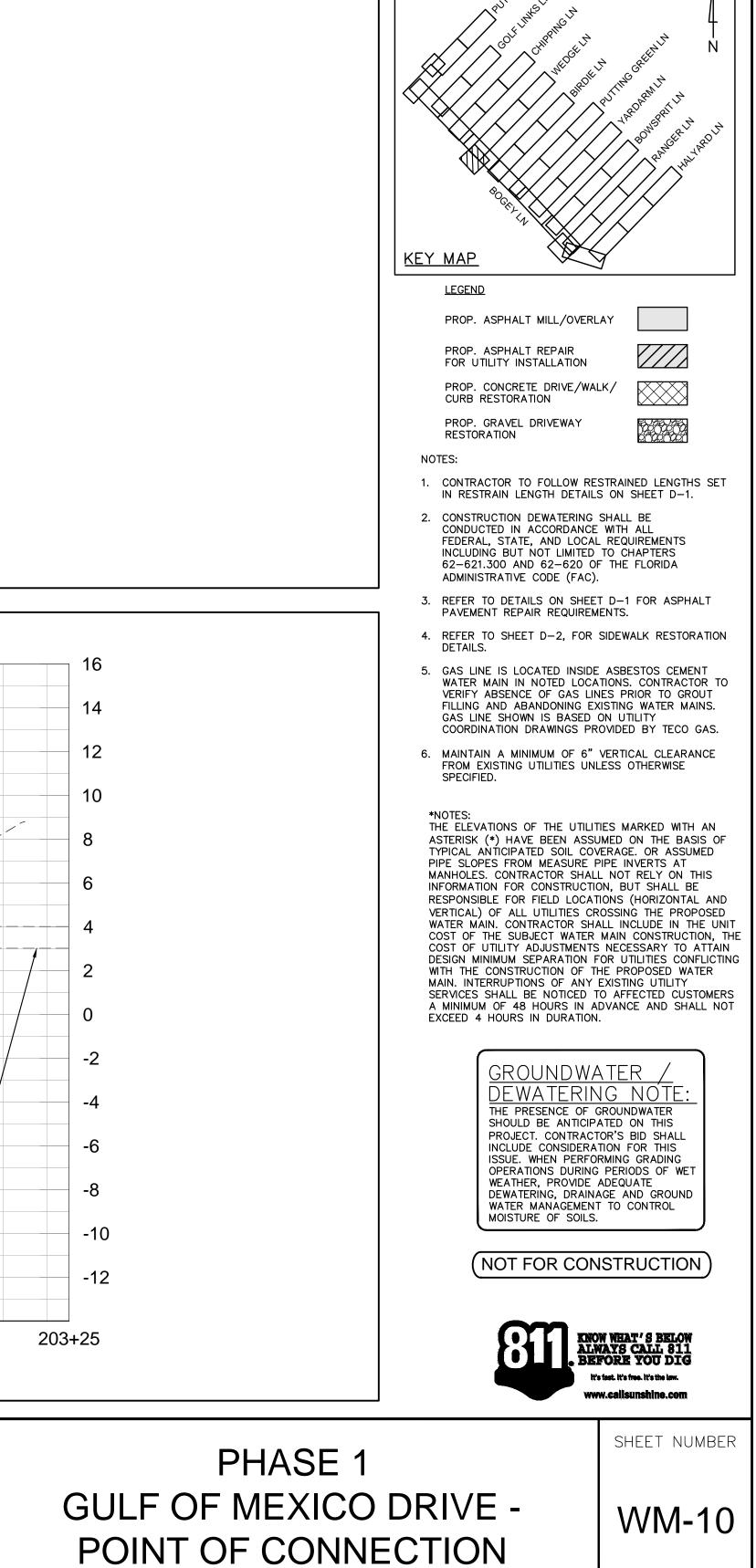
- STA: 200+00

8" GATE VALVE

- STA: 200+04.13

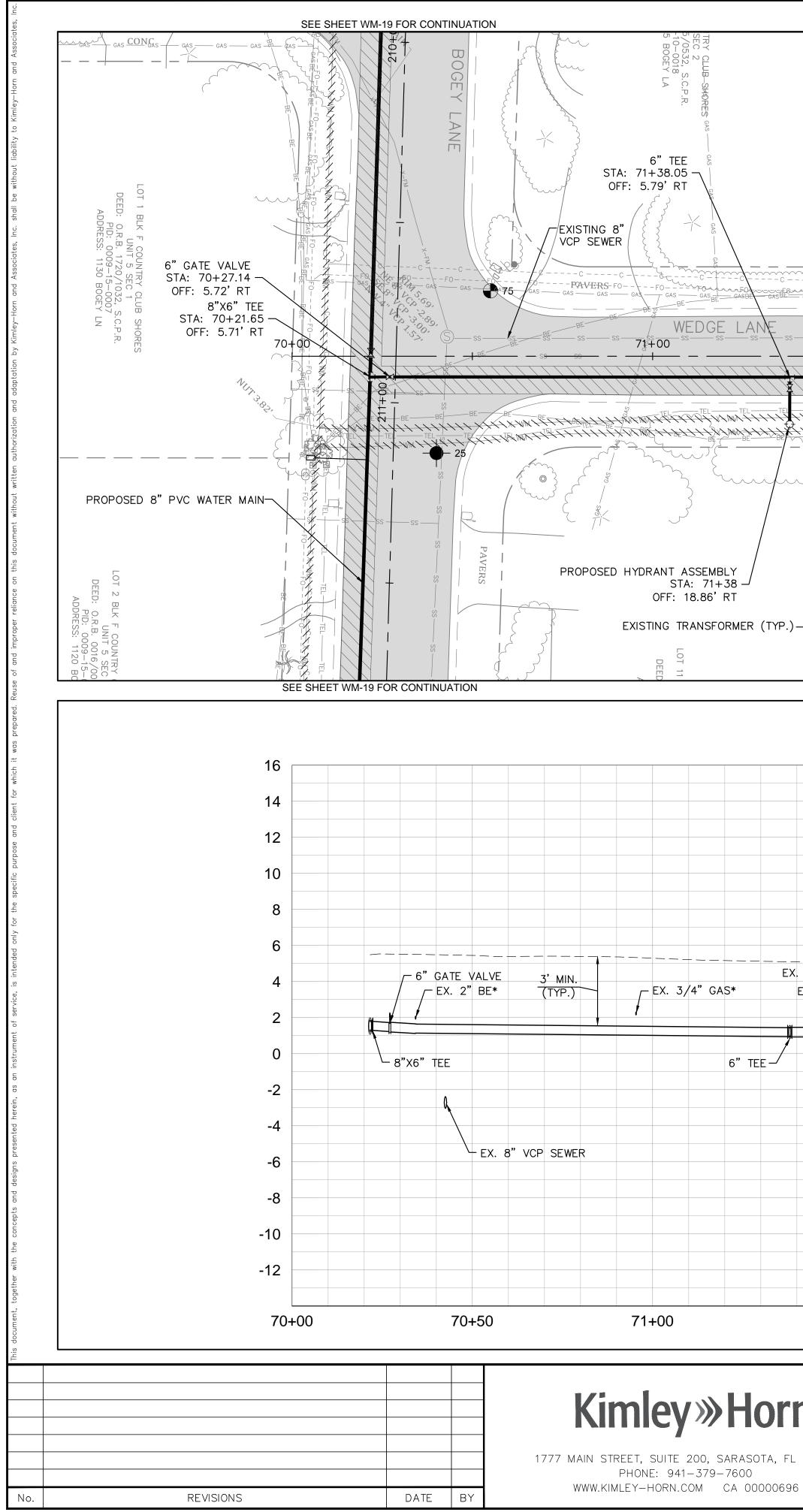
OFF: 0.00'

210+00



GRAPHIC SCALE IN FEET

20



	ADDRES	S: 511 WEDGE LN	1		ADDRESS: 521 WEDGE	I LN I	
	AND RECONNEC BACKFLOW PREN						
ξ	DIRECTION OF T	HE TOWN (TYP.) POSED 6" PVC WATER M			6"45° BEND		Sho
		ERVICE (TYP.)			OFF: 5.94' RT 6" 45° BEND STA: 73+55.23 -		Ę
					OFF: 5.94' RT		\$ GAS \$BE
	₩			P-F0F0F0	F0F0 		
	ss						
	E PAVERS X WR C C C C C C C C C C C C C C C C C C			ALL SAMA TEL			
		BE BE BE		PAVERS	BE BE BE		SE NA IS
		6" AC WM TO BE				×	
		ED AND ABANDONED	 EX	ISTING SAN. LATER	AL (TYP.)		EXIST RCP
	GAS			LOT	9 BLK D COUNTRY CLUE	B SHORES	
TYP.)_/	DEED:	K D COUNTRY CLUB SHORES UNIT 5 SEC 2 O.R.B. 2310/0606, S.C.P.R. PID: 0009-10-0034 DRESS: 510 WEDGE LN		DE	UNIT 5 SEC 2 EED: O.R.B. 2766/2380, PID: 0009-10-003 ADDRESS: 520 WEDGE	3	
I	AD	DILESS. STO WEDGE EN				I	
		EXIS [−]	ING GROUND OVE	R WATER MAIN			
EX. 3/4" GAS* -							
EX. 2" BE* -	PROPOSED 6" PVC WA				EX. 13		EX. 2" EX.
					ECT UNDER EXISTING		N
WATER SERVICE					45" VERTICAL BENDS	SERVICE SERVICE	
STA: 71+56 2" STA: 71+56 2" STA: 71+62 2"	7 40 40		EX. 6" S	6" SEWER*		-54 2" WATEF -54 2" WA	
STA: STA: STA:						STA: 73+5 STA: 73+5 STA: 73+	
71+50	72+00	7	2+50	73+0	0	73+50	
	KHA PROJECT 148800007 DATE	TOWN O	F LONG	GBOAT	KEY	LICENSED PROFESSIONAL	
orn	DATE 9/26/2022 scale AS SHOWN	COUNT	RY CLU	B SHORE	S	ASHLEY M. MIELE, P.E	-
A, FL 34236	DESIGNED BY KHA	AC WATER	MAIN R	EPLACE	JENT	66476	

LOT 8 BLK E COUNTRY CLUB SHORES

UNIT 5 SEC 2 DEED: 0.R.B. 0016/0016, S.C.P.R.

PID: 0009-10-0020

LOT 9 BLK E COUNTRY CLUB SHORES

UNIT 5 SEC 2

DEED: O.R.B. 2121/2951, S.C.P.R.

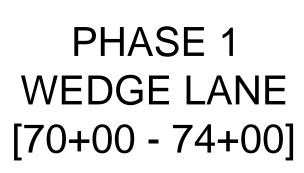
PID: 0009-10-0019

MKK

SARASOTA COUNTY

DRAWN BY

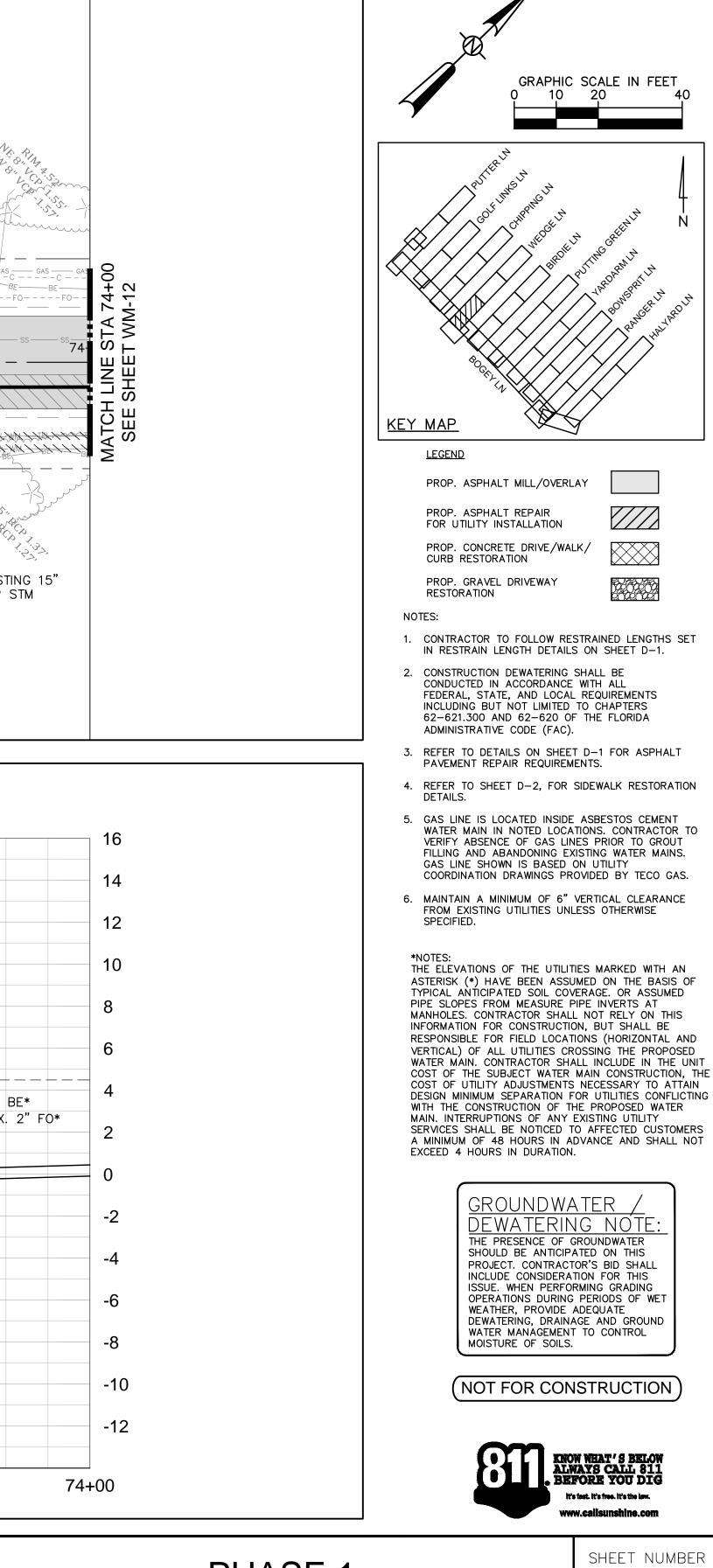
CHECKED BY AMM

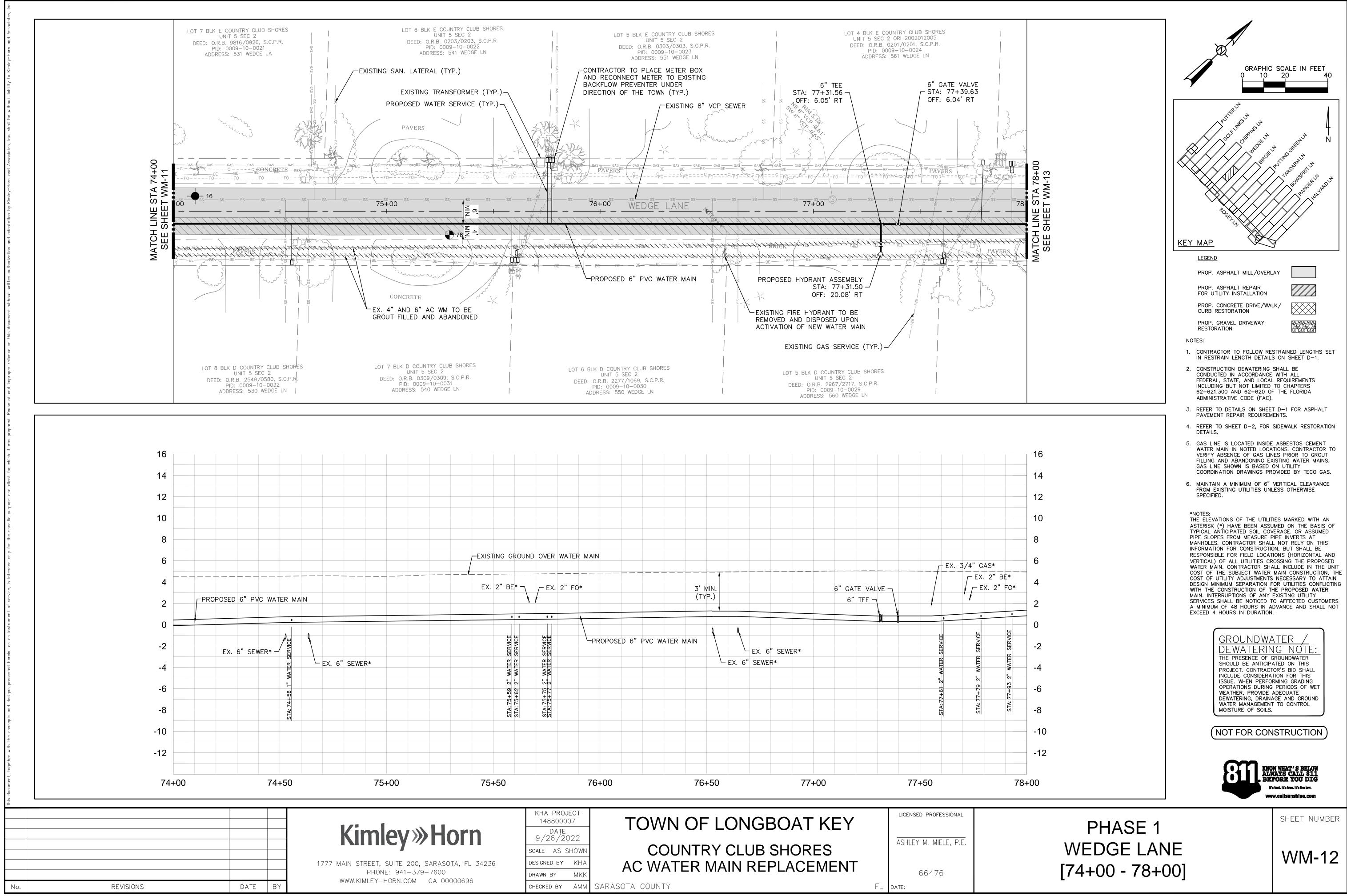


66476

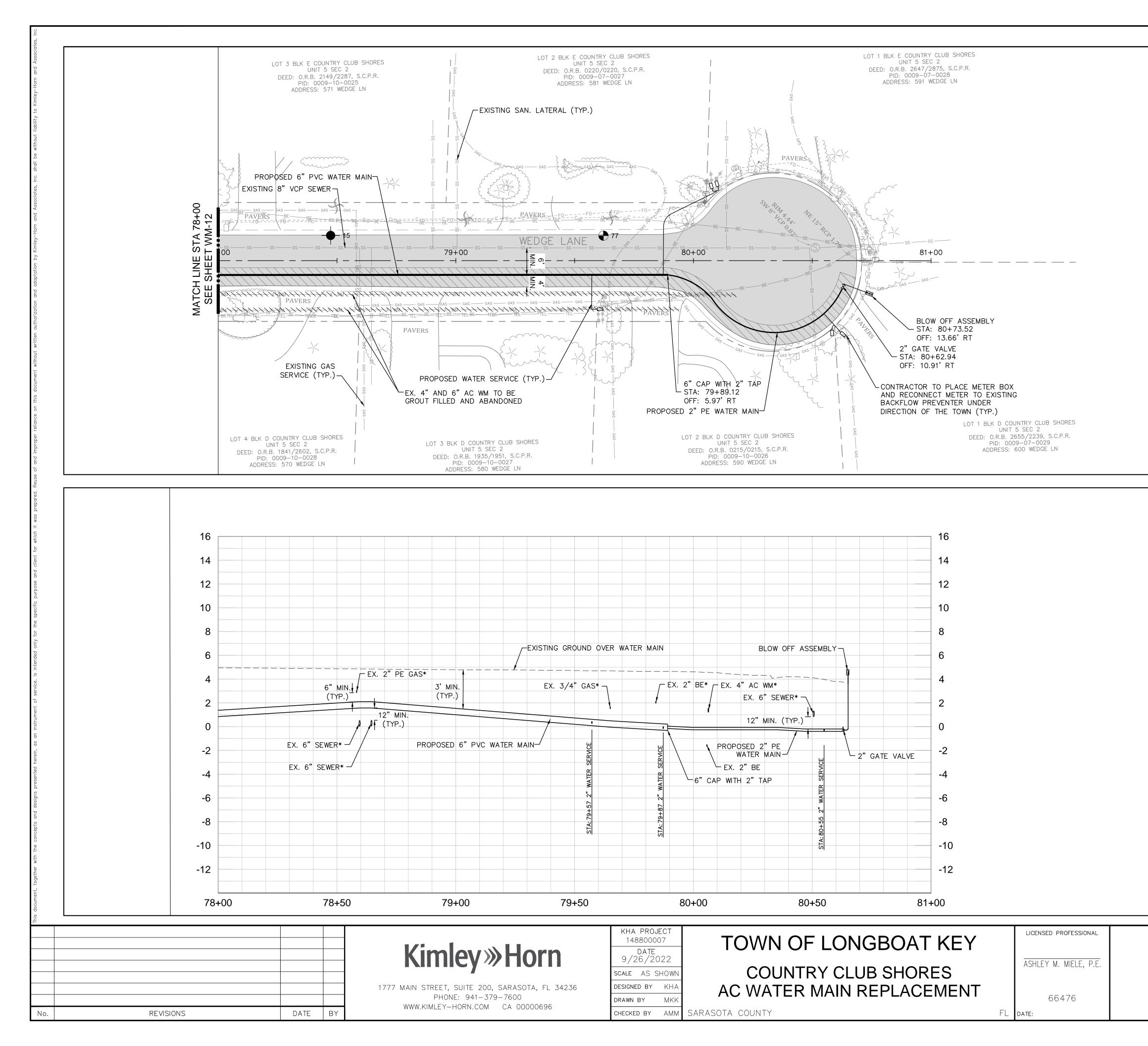
FL date:

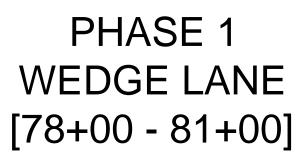




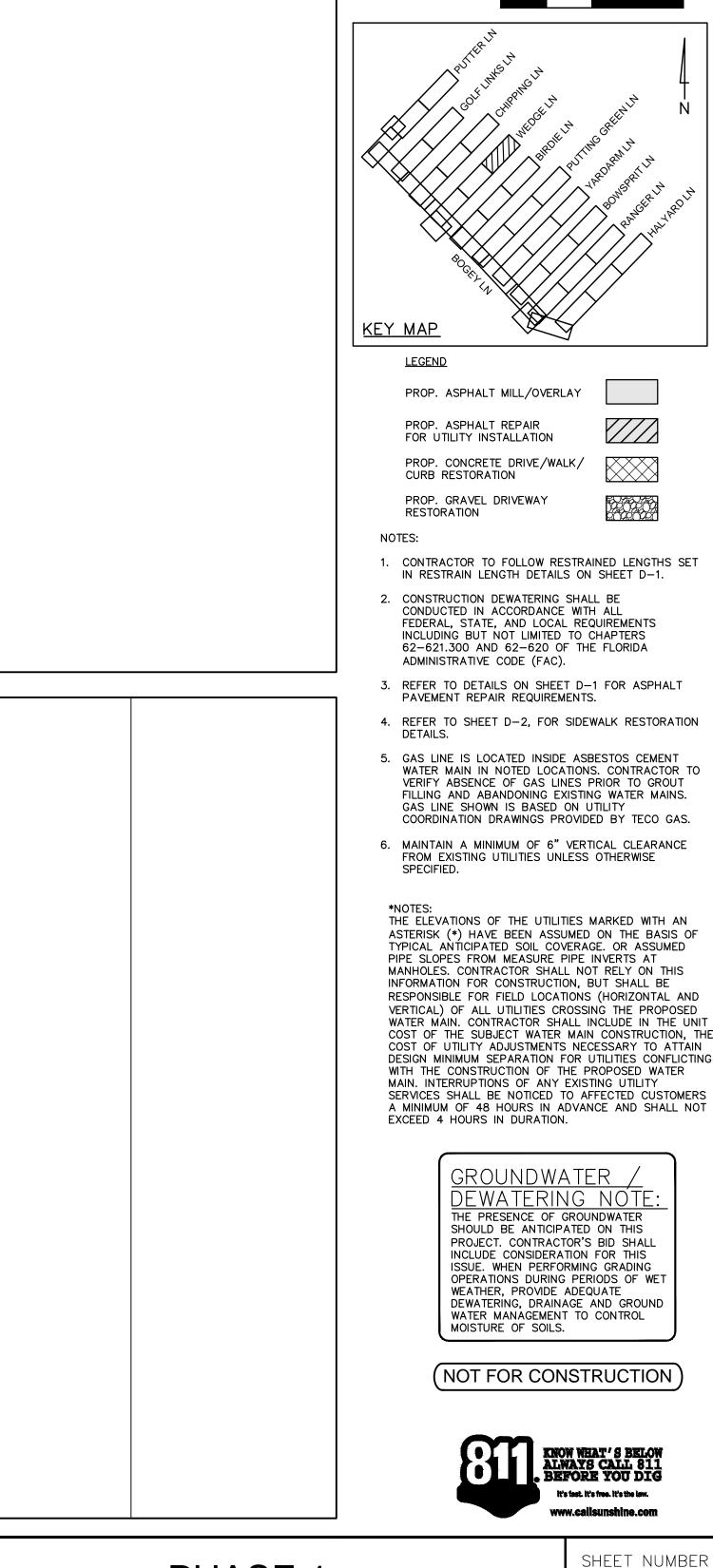


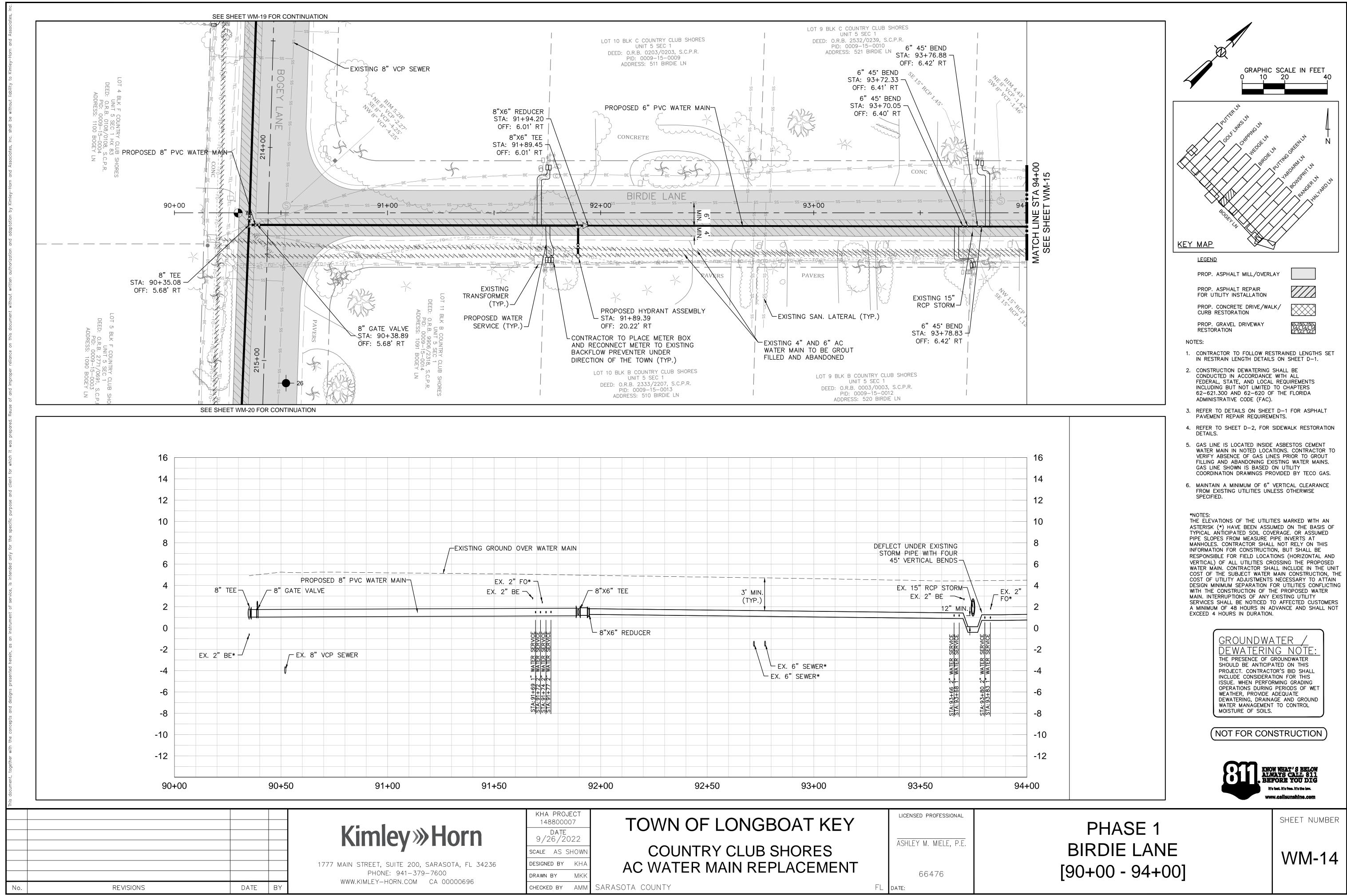
O BE IDONED				EXISTING FIRE HY REMOVED AND DI ACTIVATION OF N	ISPOSED UPON		
SHORES C.P.R.	DEED:	K D COUNTRY CLUB SHORES UNIT 5 SEC 2 O.R.B. 2277/1069, S.C.P.R. PID: 0009-10-0030 DRESS: 550 WEDGE LN		DEED: 0. PI	D COUNTRY CLUB SHORES UNIT 5 SEC 2 .R.B. 2967/2717, S.C.P.R. D: 0009-10-0029 RESS: 560 WEDGE LN		
-EXISTING GRO	UND OVER WATER MA	Image: select	3' MIN. (TYP.)				3/4" GA
STA: 75+59 2" WATER SERVICE STA: 75+62 2" WATER •	STA: 75+75 STA: 75+75 STA: 75+77 STA: 75+77 SERVICE	PROPOSED 6" PVC WA		EX. 6" SEWER* 6" SEWER*		STA: 77+61 2" WATER SERVICE	STA: 77+79 2" WATER SERVICE
75+50	7 KHA PROJECT 148800007 DATE 9/26/2022	6+00 TOW	76+50 N OF LO	77- NGBOAT	+00 KEY	77+50	
A, FL 34236 00696	SCALE AS SHOWN DESIGNED BY KHA DRAWN BY MKK		TER MAIN	LUB SHOR		ASHLEY M. MIELE, P 66476 date:	.E.



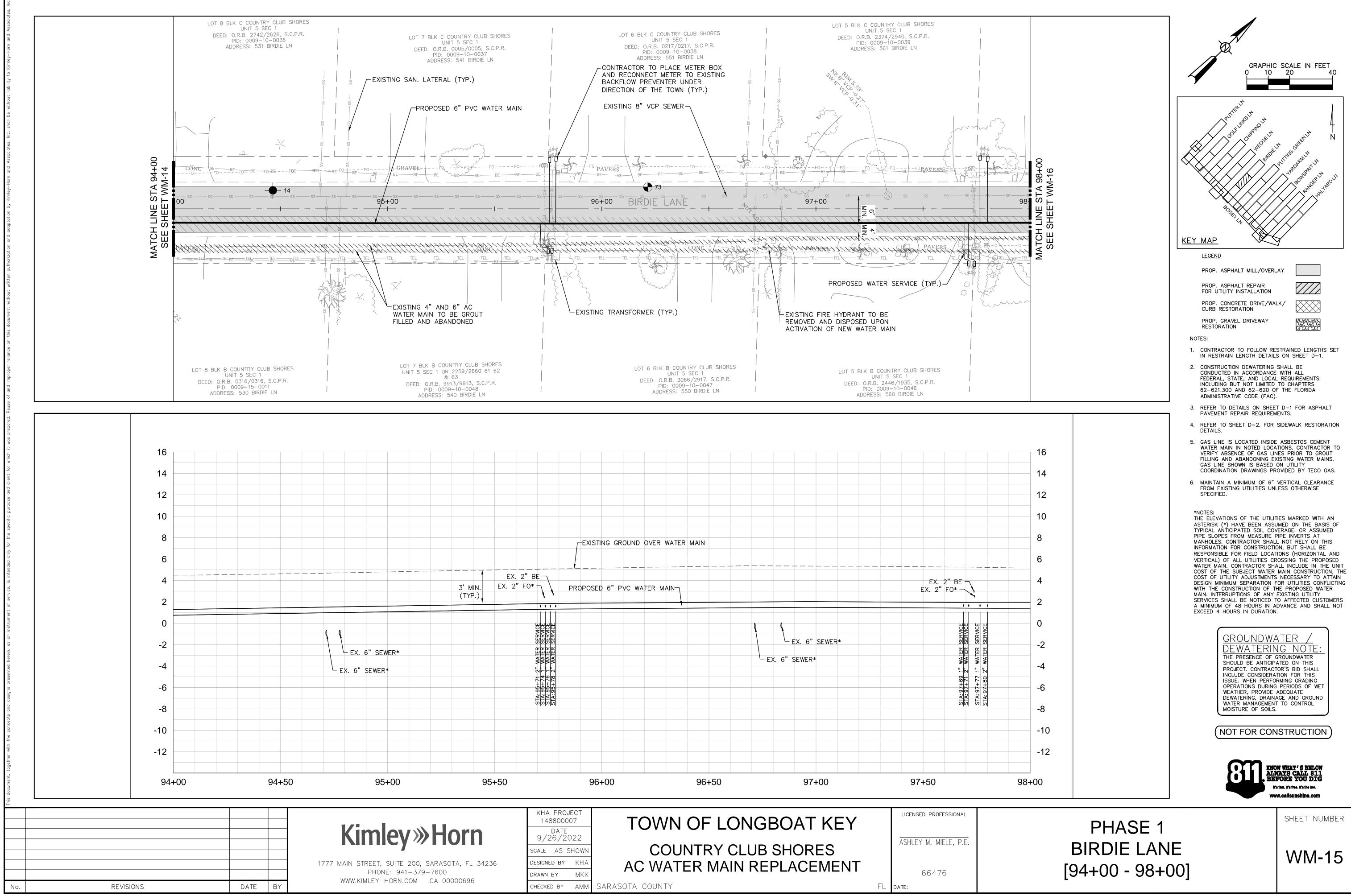


GRAPHIC SCALE IN FEET

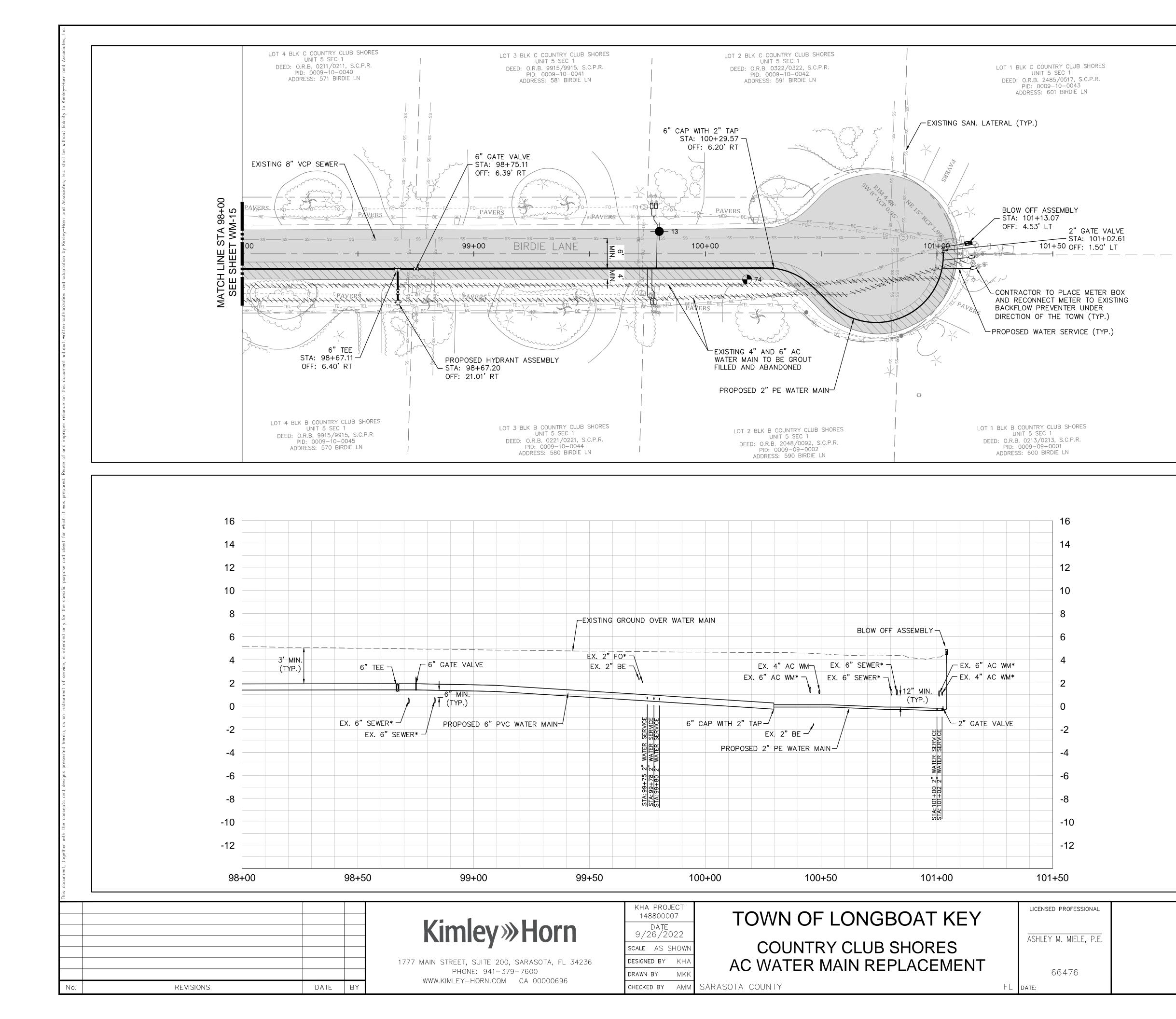


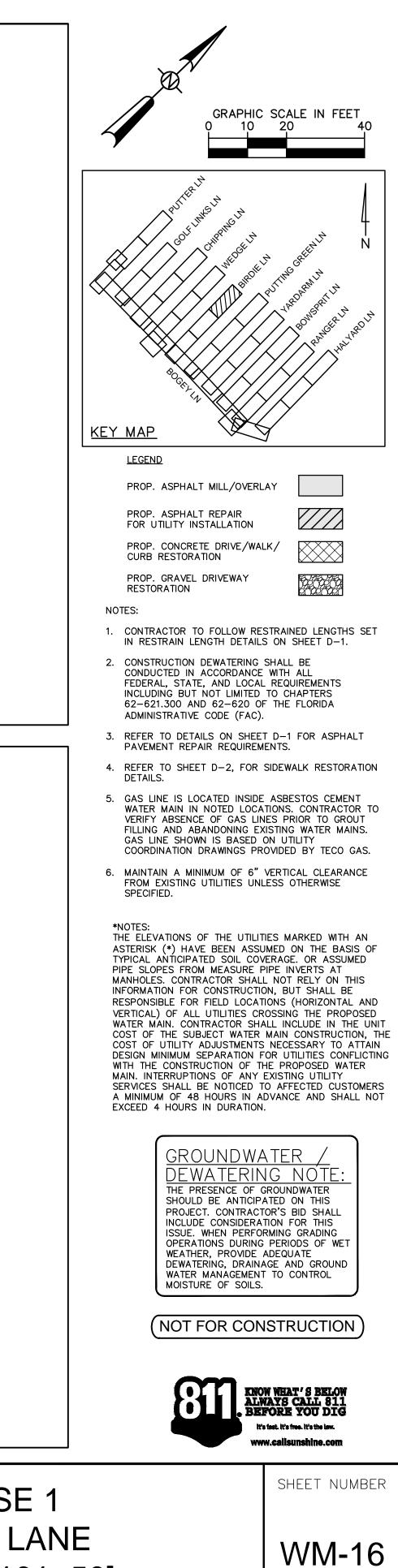


91+50 92+00 92+50	93+00	93+50		
	X. 6" SEWER* 6" SEWER*	45" VERTICAL E		STA-93+RO 2" WATER SERVICE
Image: Sector of the sector		DEFLECT UNDER EXI STORM PIPE WITH	FOUR	

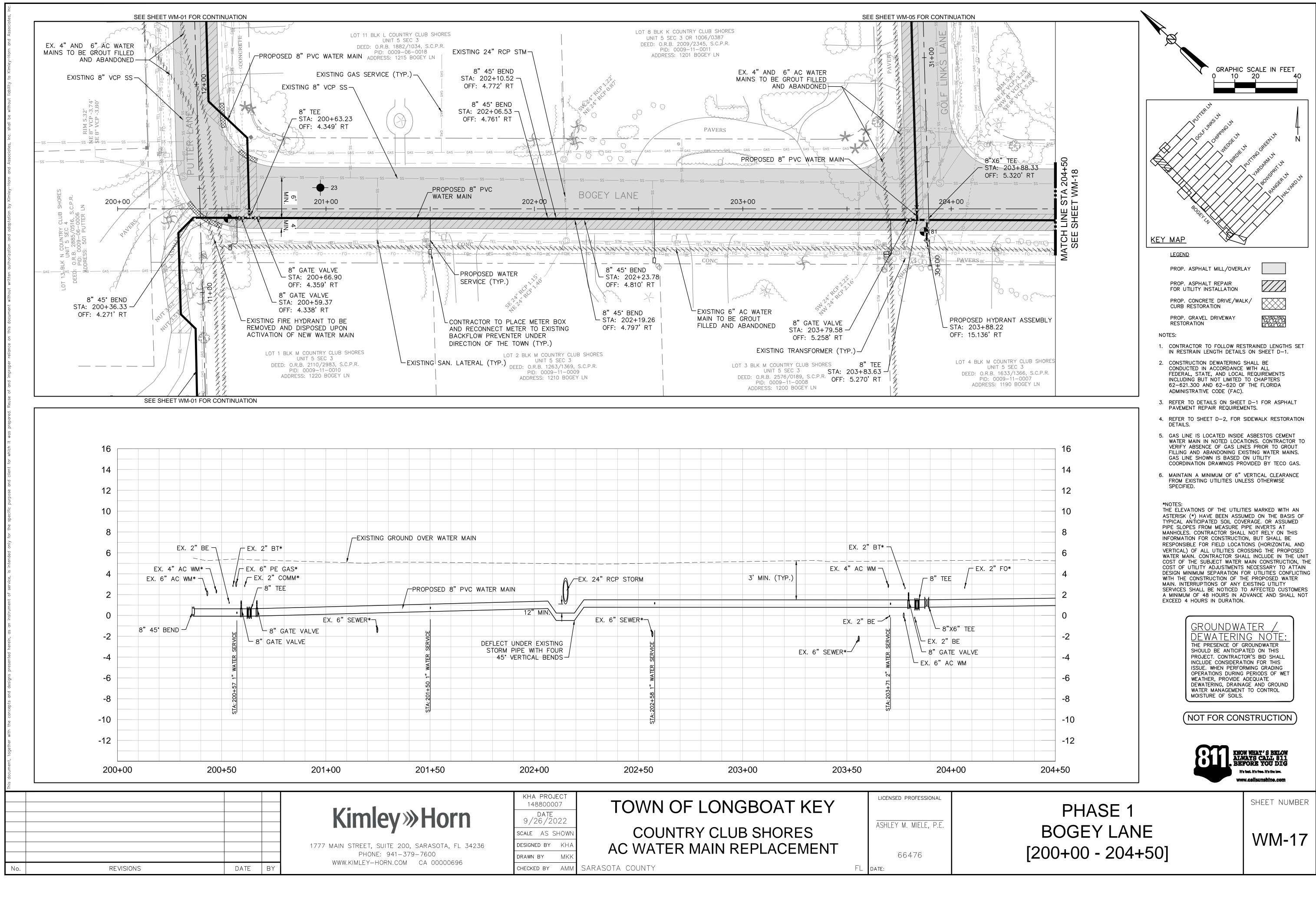


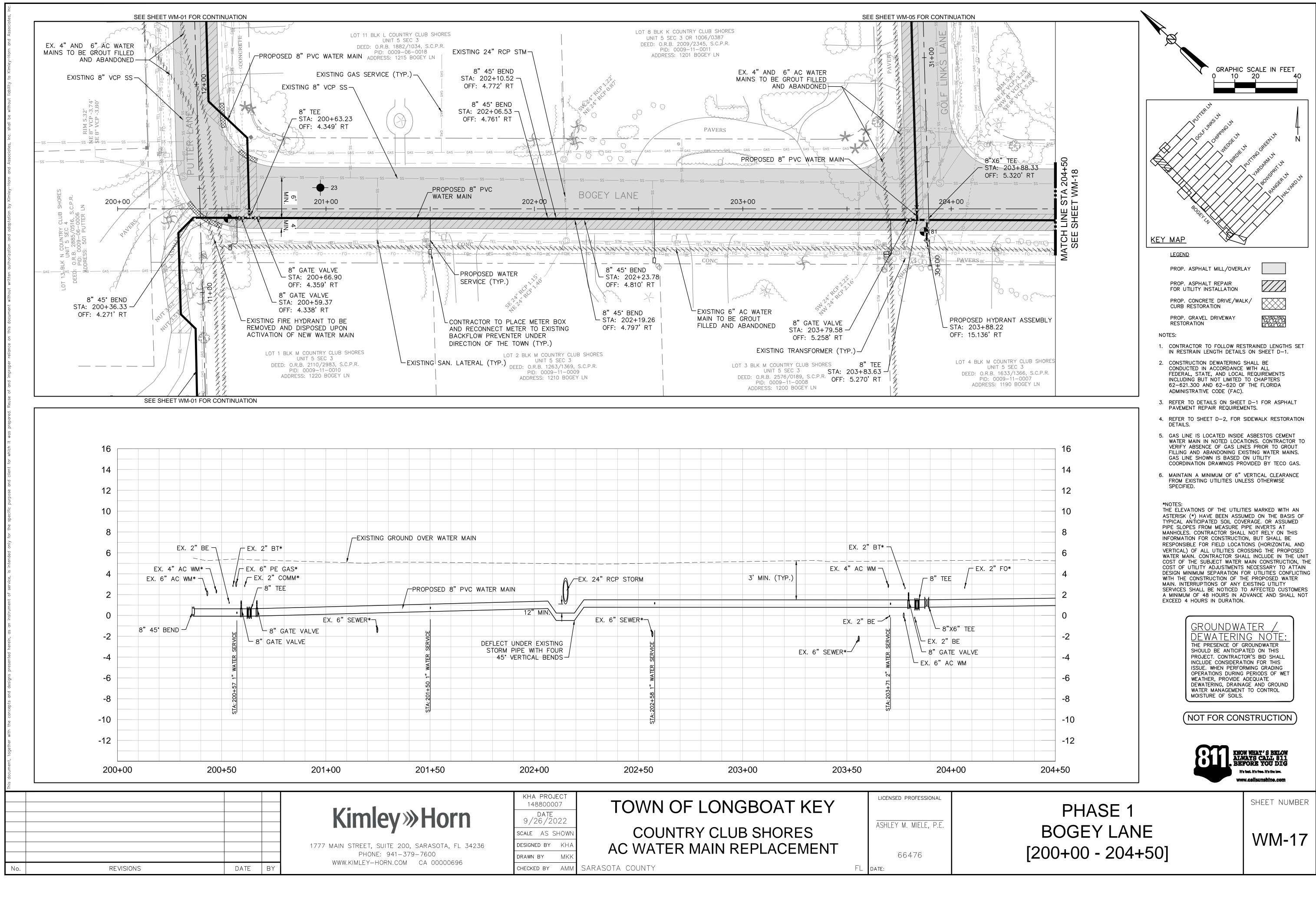
		EXISTING GR	OUND OVER WATE	R MAIN						
EX. 3' MIN. EX. 2" (TYP.)	2" BE -		VC WATER MAIN					- — — — — — — — — — — — — — — — — — — —	2" BE " FO*	
	STA: 95+71 2" WATER SERVICE STA: 95+74 1" WATER SERVICE STA: 95+76 1" WATER SERVICE STA: 95+78 2" WATER SERVICE				EX. 6	- EX. 6" SEWER* " SEWER*				STA: 97+77 1" WATER SERVICE STA: 97+80 2" WATER SERVICE
95+50		96+00		96+50		97+00		97+50		
)rn A, Fl 34236 00696	DRAWN BY	2 DWN KHA MKK		NTRY C	LUB SH		NT	LICENSED PRO ASHLEY M. M 6647 date:	IIELE, P.E.	

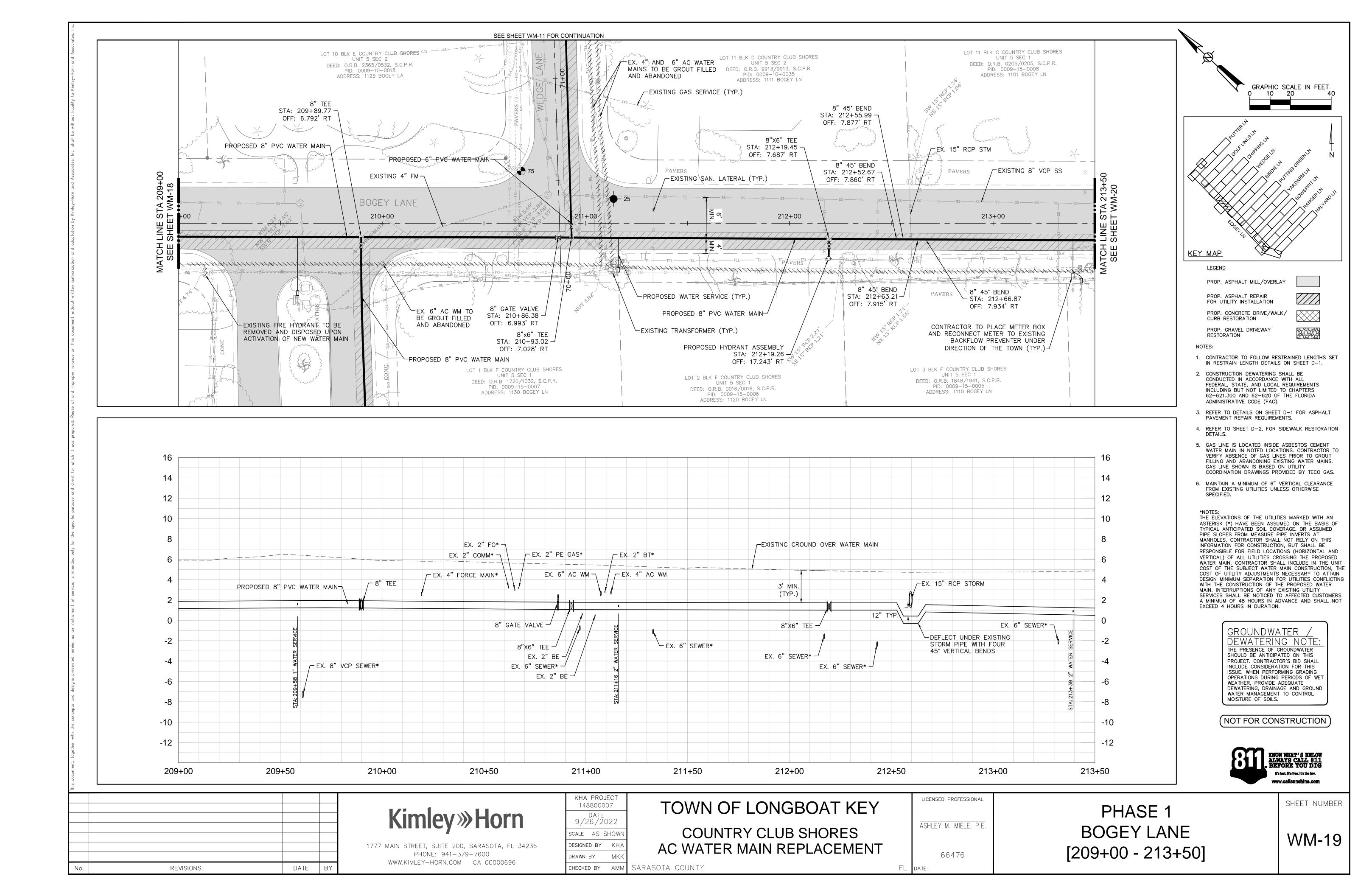


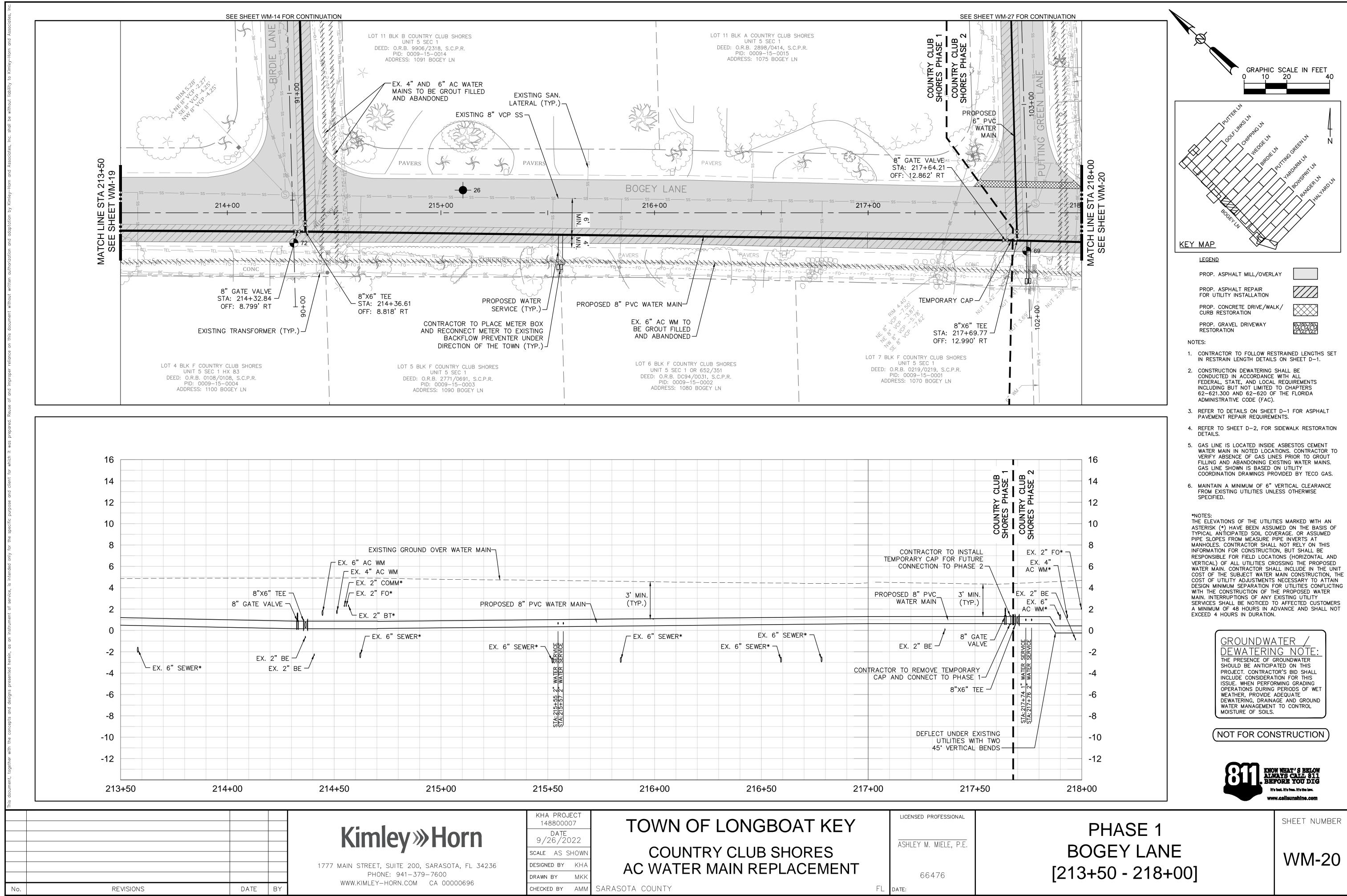


PHASE 1 BIRDIE LANE [98+00 - 101+50]

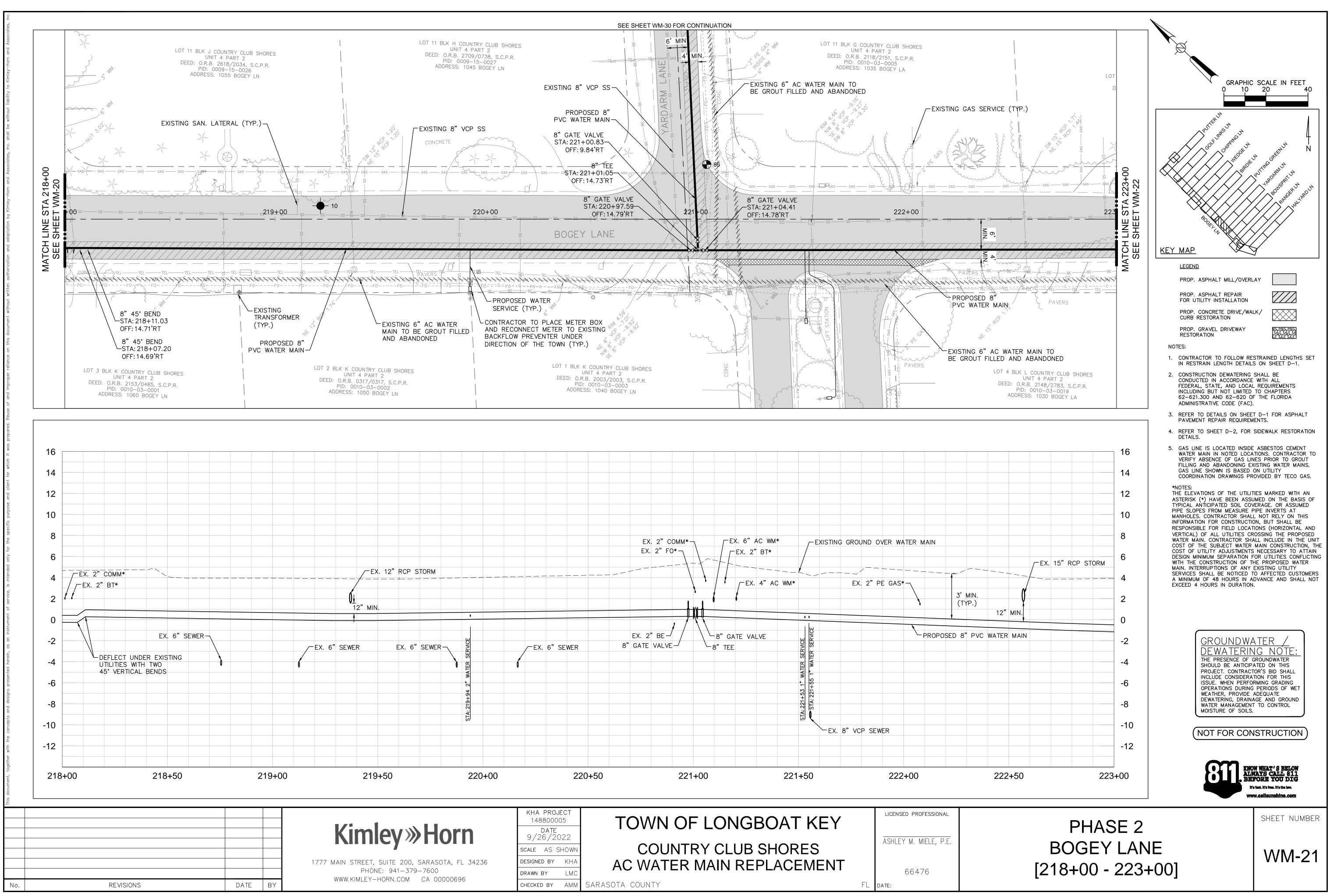


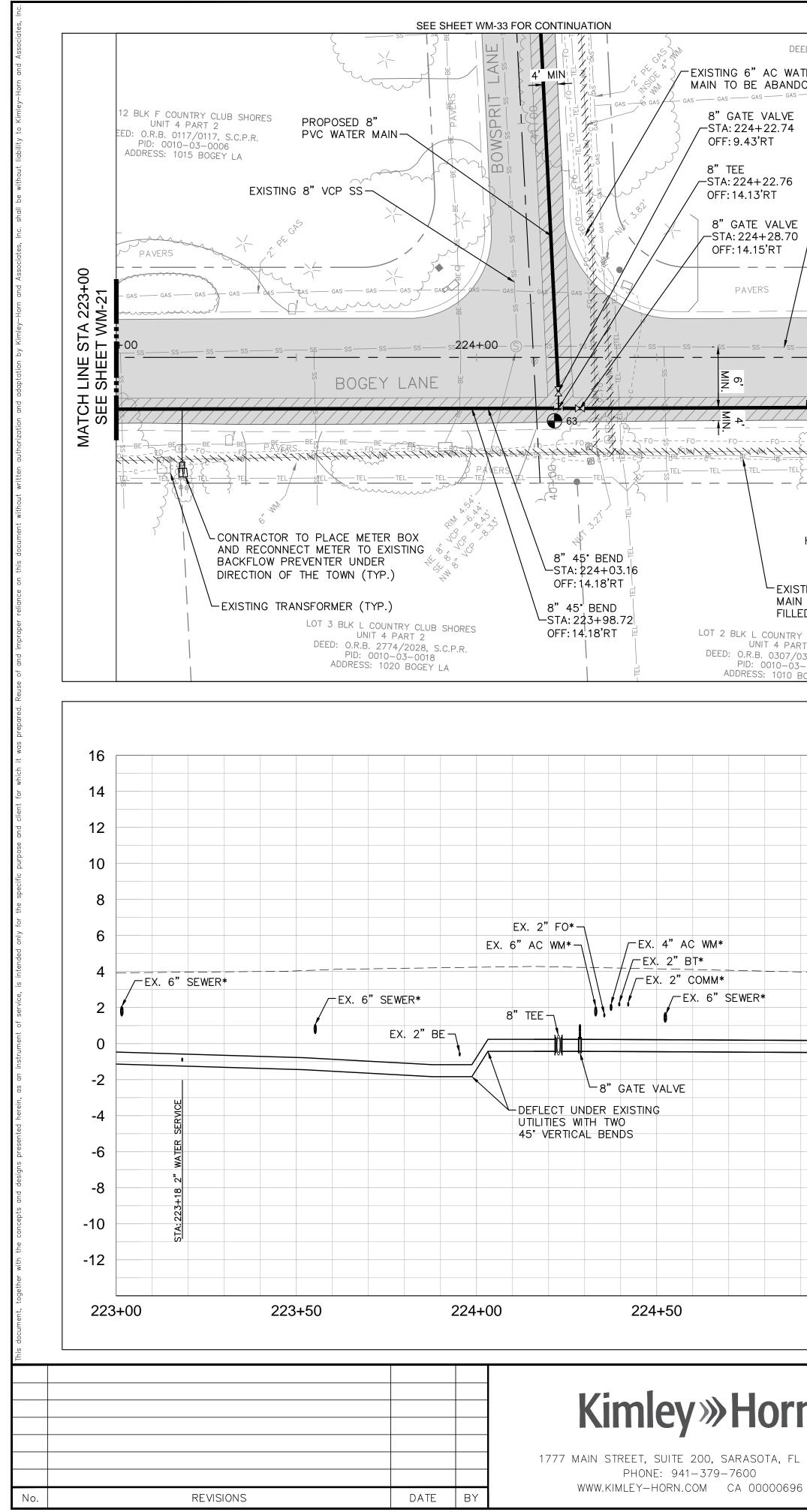






			TEN	CONTRACTOR TO INSTA MPORARY CAP FOR FUTU CONNECTION TO PHASE	RE
PROPOSED 8" PVC WATER M	3' MIN. IAIN- (TYP.)		PROP(OSED 8" PVC3' MI WATER MAIN (TYP	
	EX. 6" SEWER*	EX. 6" SEWER*	b	EX. 2" BE - 8" G VA	
EX. 6" SEWER - * * * * * * * * * * * * * * * * * *				R TO REMOVE TEMPORAR AND CONNECT TO PHASE 8"X6" T	1/
				DEFLECT UNDER E UTILITIES WI 45° VERTICAL	TH
) 215+50	216+00	216+50	217+00	217	+5(
KHA PROJEC 148800007 DATE 9/26/202		F LONGBOAT	KEY	LICENSED PROFESSIONAL	
A, FL 34236 O0696	OWN COUNT KHA AC WATER	FRY CLUB SHORE R MAIN REPLACE	MENT	66476	
CHECKED BY	AMM SARASOTA COUNTY		FL c	DATE:	





DEED: 0.R.B. 0220/0220, S.C.P.R. PID: 0010-03-0012 C WATERDRESS: 1005 BOGEY LN			ADDRESS: 511 RANGER	LN	AN SS A
BANDONED GAS					
LVE 2.74				EXISTI	ING 8" VCP SSI
EXISTING 8" VCP SS	8"X6" TEE /	EXISTING SAN. LATERAL	\prec	REMOVED AN	RE HYDRANT TO BE
PVC WATER M	AINSTA: 225+25.11 OFF: 13.78'RT				PROPOSED 8" PVC WATER MAIN
ALVE 8.70 T			(8" GATE VALVE STA: 227+51.05	
			8" 45° BEND TA: 226+64.00	OFF: 14.58'RT 8" GATE VALVE STA: 227 + 27 41	A 400
	PAVERS		OFF: 13.15'RT	STA: 227+27.41 OFF: 18.21'RT	
		ss = ss 226+s00 ss			
				8" GATE V/ STA: 227+1 OFF: 18.1	8.27
0{70			FO2		
		BEBE	<u>++¥¥va+±+1773567</u> + } }	LILLING CALLER LILLI	BE BE BE
PROPOSED HYDRANT ASSEMBLY		and a start and a start a star	۶ کر بر		And All
STA: 225+25.21 OFF: 22.84'RT		SED WATER E (TYP.)	8" 45° BEND	STA: 22	8" TEE 27+22.97-
EXISTING 6" AC WATER MAIN TO BE GROUT FILLED AND ABANDONED			STA: 226+68.99 [.] OFF: 18.10'RT		18.20'RT
JNTRY CLUB SHORES 4 PART 2		LOT 1 BLK L COUNTRY CLU UNIT 4 PART 2 DEED: O.R.B. 1240/0699	SCDD	PAVERS	
307/0307, S.C.P.R. 0-03-0017 010 BOGEY LN		PID: 0010-03-00 ADDRESS: 1000 BOGE	16 Ey ln		SHEET WM-36 FOR CONTINUATIO
		GROUND OVER WATER MAIN	1		8" (
			<u>M</u>		EX. 2 [°] EX. 6"
EX.	6" SEWER*	0	3' MIN. (TYP.)		
lol	12" MIN.	(TYP.)		ŢŢŢ	· •
8"X6" TEE		ROPOSED 8" PVC WATER	MAIN 8" 45	BEND	₩ 8" GATE ₩ VALVE
8"X6" TEE -/ 50				45° BEND	8" TEE →
	4				
сть: 2254.32 Сть: 2254.32					STA: 226+94
225.00	225.50	22000		0.50	007.00
225+00	225+50	226+00	22	6+50	227+00
KHA PR					LICENSED PROFESSIONAL
14880 DA 9/26/	TE TO	WN OF LC	NGBOA	KEY	
SCALE AS	S SHOWN	COUNTRY C			ASHLEY M. MIELE, P.E.
A, FL 34236 DESIGNED B		WATER MAII	N REPLAC	EMENT	66476

DEED: O.R.B. 0110/0110, S.C.P.R.

PID: 0010-03-0013

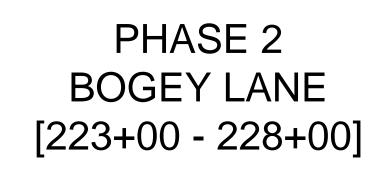
UNIT 4 PART 2 DEED: 0.R.B. 0220/0220, S.C.P.R.

> SARASOTA COUNTY CHECKED BY AMM

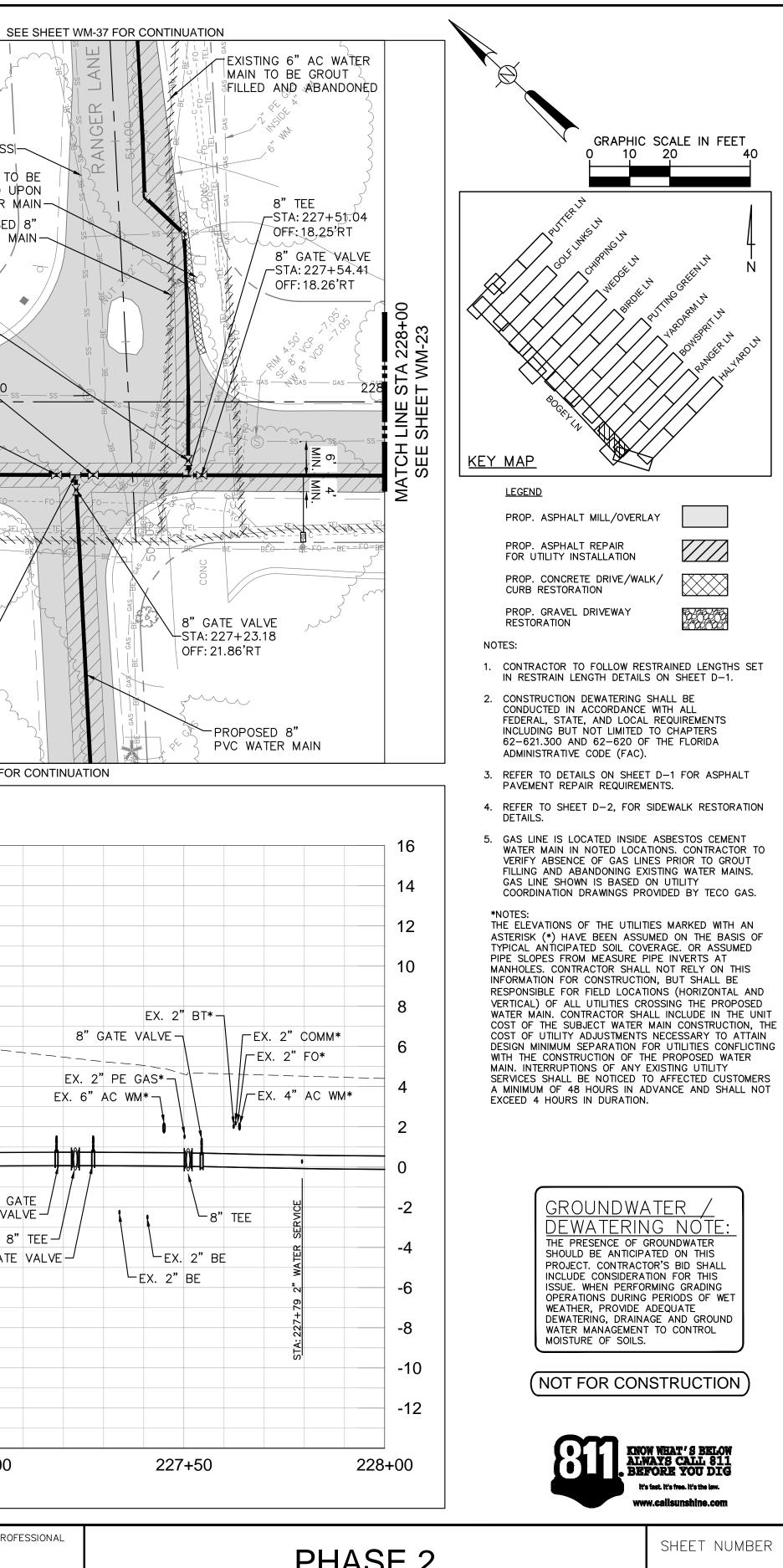
LMC

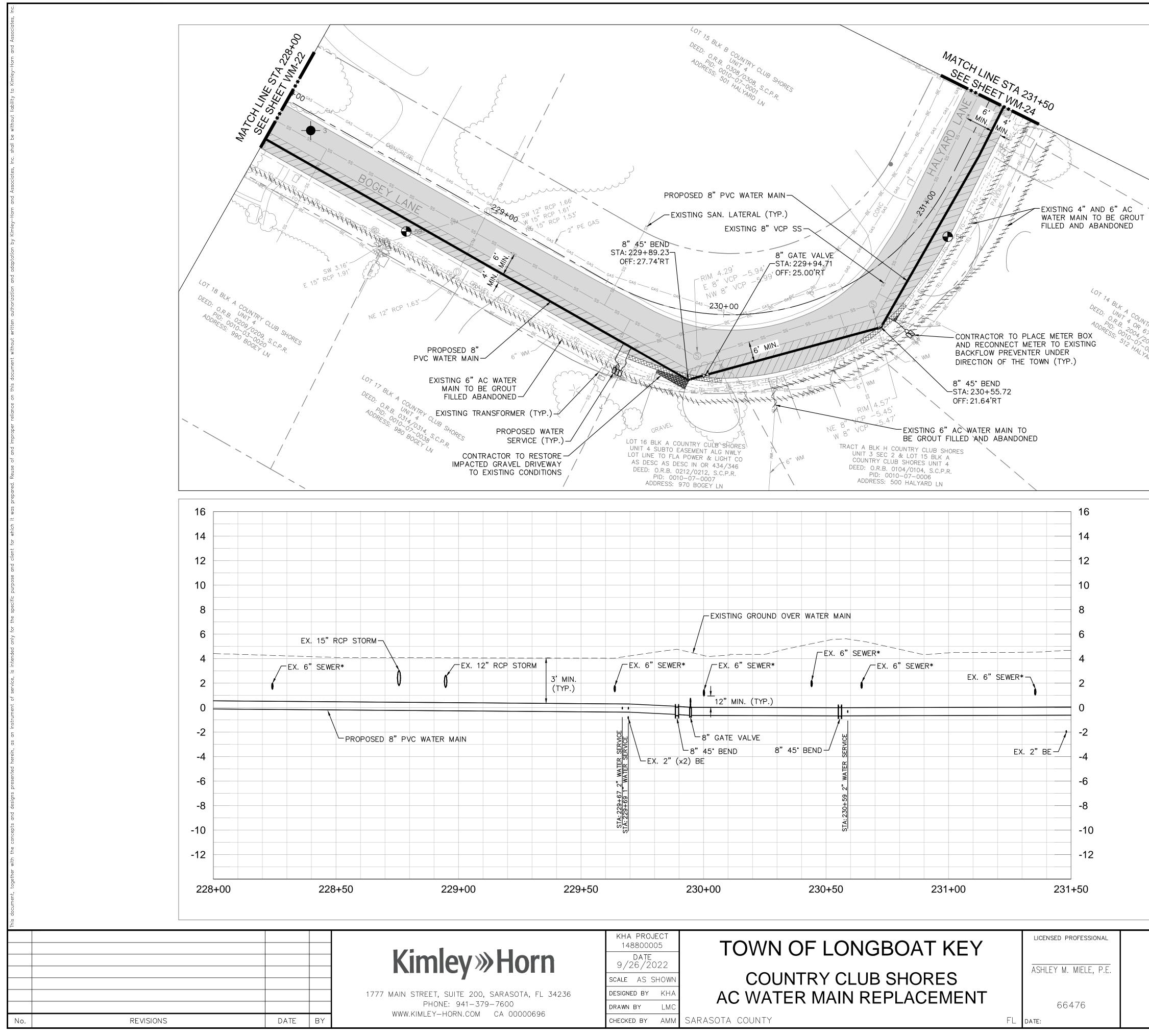
DRAWN BY

66476 FL date:

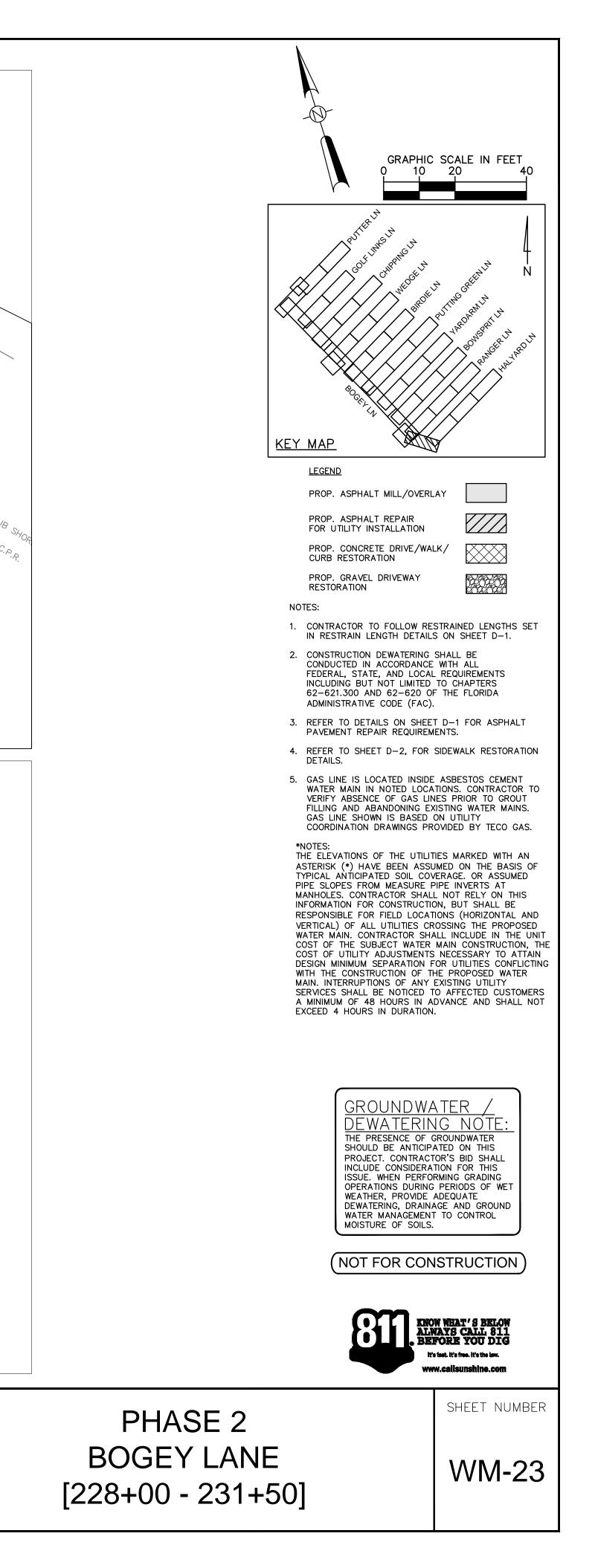


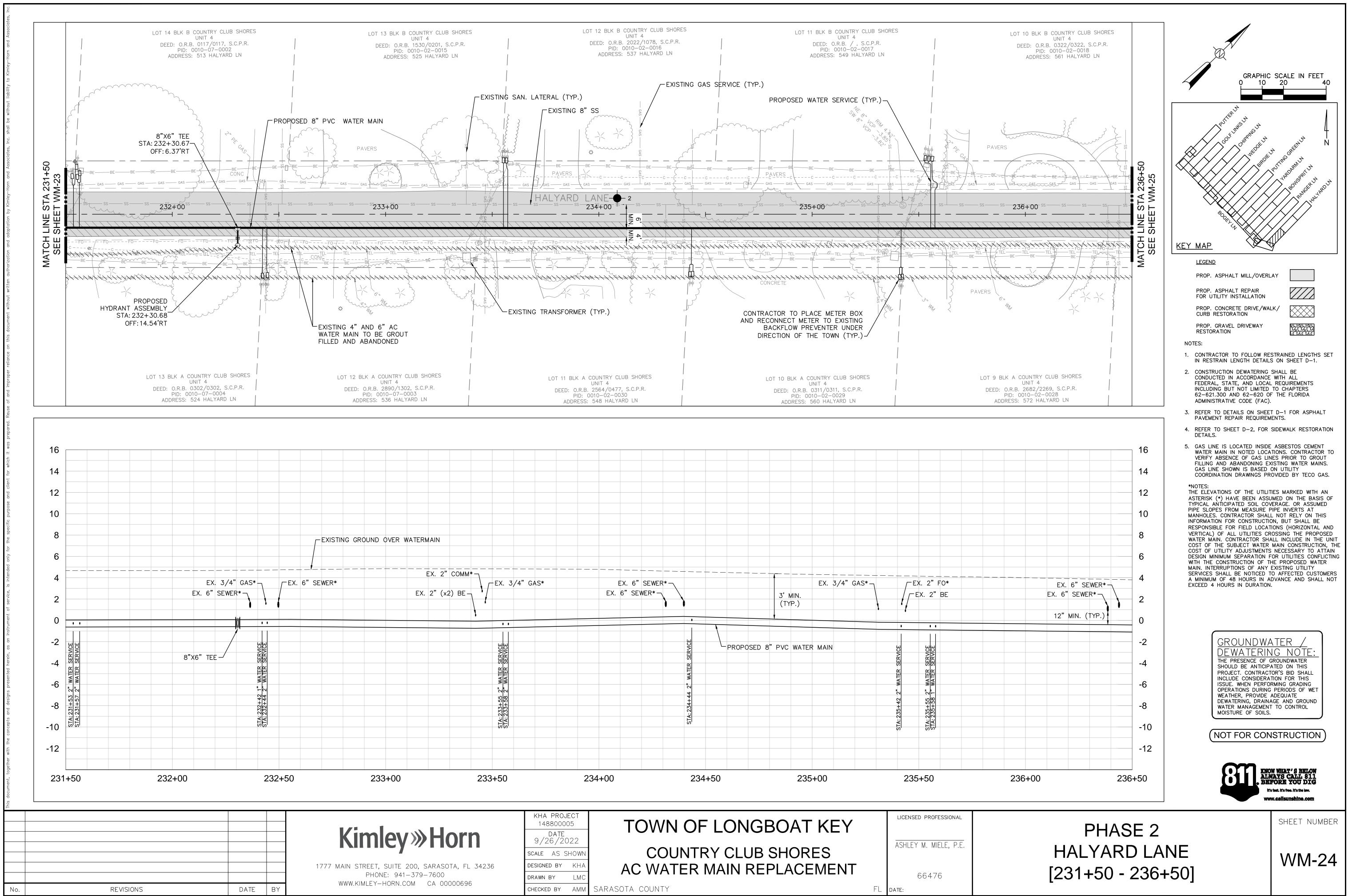






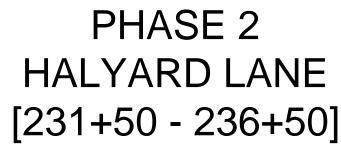
00696	

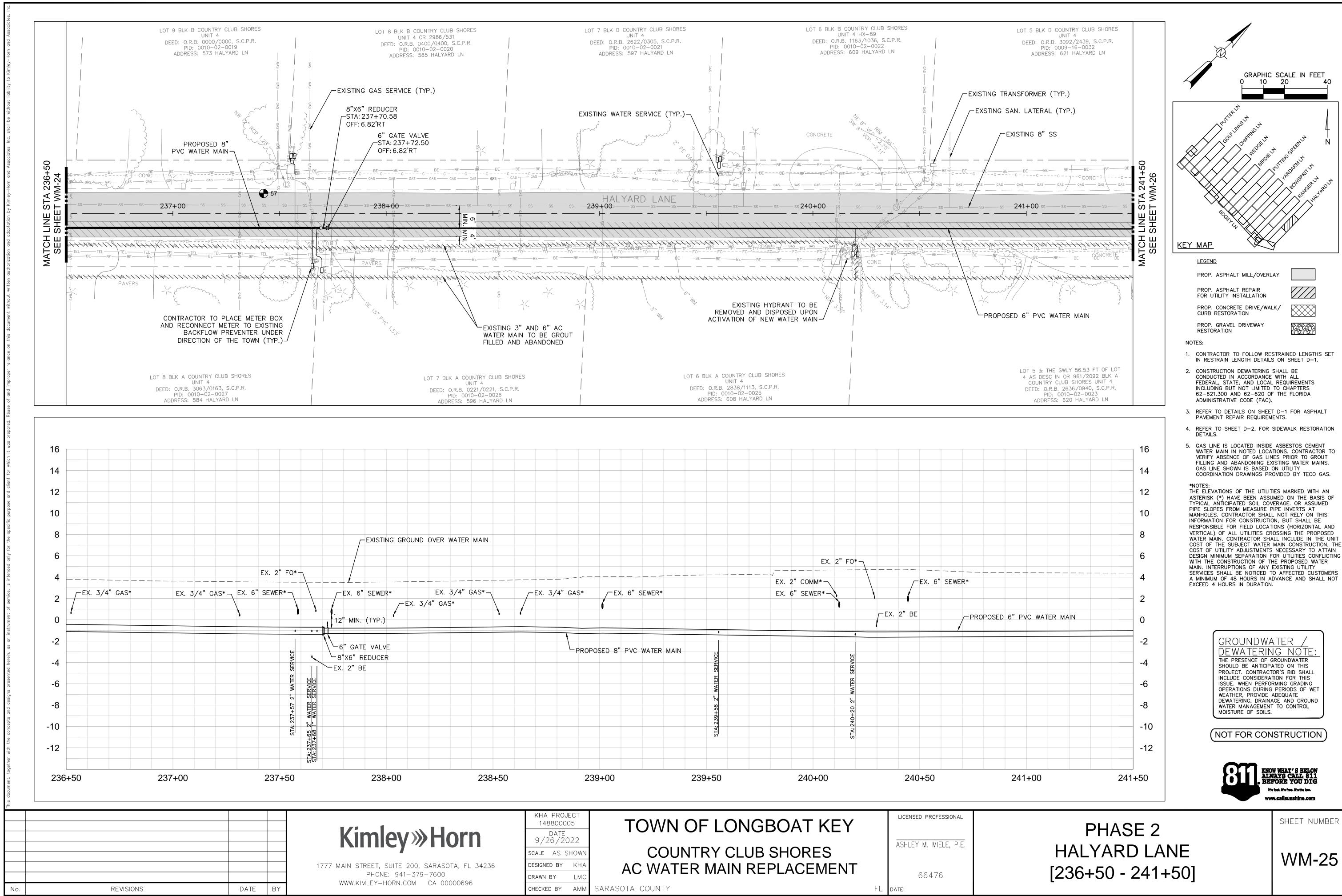




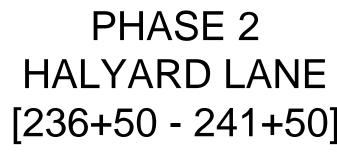
SHORES	LOT 12 BLK B COUNTRY CLUB SHORES UNIT 4	5	LOT 1	1 BLK B COUNTRY CLUB S	CHORES	
.P.R.	DEED: O.R.B. 2022/1078, S.C.P.R. PID: 0010-02-0016			UNIT 4 DEED: O.R.B. / , S.C.P.R.		
_N	ADDRESS: 537 HALYARD LN	i		PID: 0010-02-0017 ADDRESS: 549 HALYARD L	N	
		NG GAS SERVICE (T				
- EXISTING SAN LATERAL (TYP		NG GAS SERVICE (1				
EXISTING SAN. LATERAL (TYP		1	PROPOSED W	VATER SERVICE (TYP.))	
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					—	_ <u>}</u> .
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EXISTING TRANSFORM	ER (TYP.)		NTRACTOR TO PLA RECONNECT MET			
			BACKFLOW PRI	EVENTER UNDER /		
			DIRECTION OF II	HE TOWN (TYP.)-∕		
1						
LOT 11 BLK	A COUNTRY CLUB SHORES		LOT 10 BLK A C	OUNTRY CLUB SHORES JNIT 4		L
DEED: O	R.B. 2564/0477, S.C.P.R. D: 0010-02-0030		DEED: O.R.B.	0311/0311, S.C.P.R. 010-02-0029	1	
ADDR	ESS: 548 HALYARD LN		ADDRESS:	560 HALYARD LN		

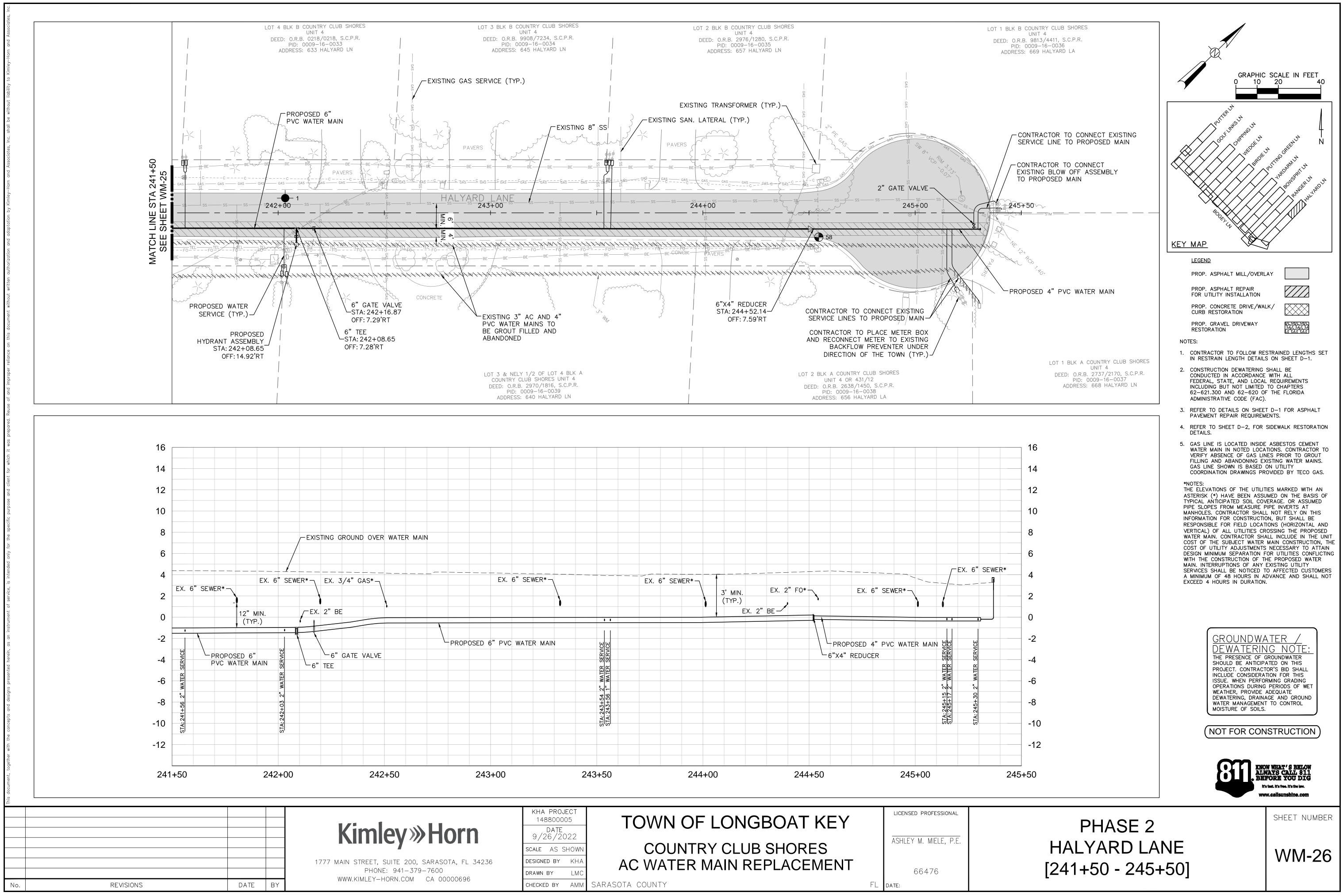
	DATE	IOWIN OF LONGDOAT ALT	
orn	9/26/2022		ASHLEY M. MIEL
	SCALE AS SHOWN	COUNTRY CLUB SHORES	
)TA, FL 34236	DESIGNED BY KHA	AC WATER MAIN REPLACEMENT	



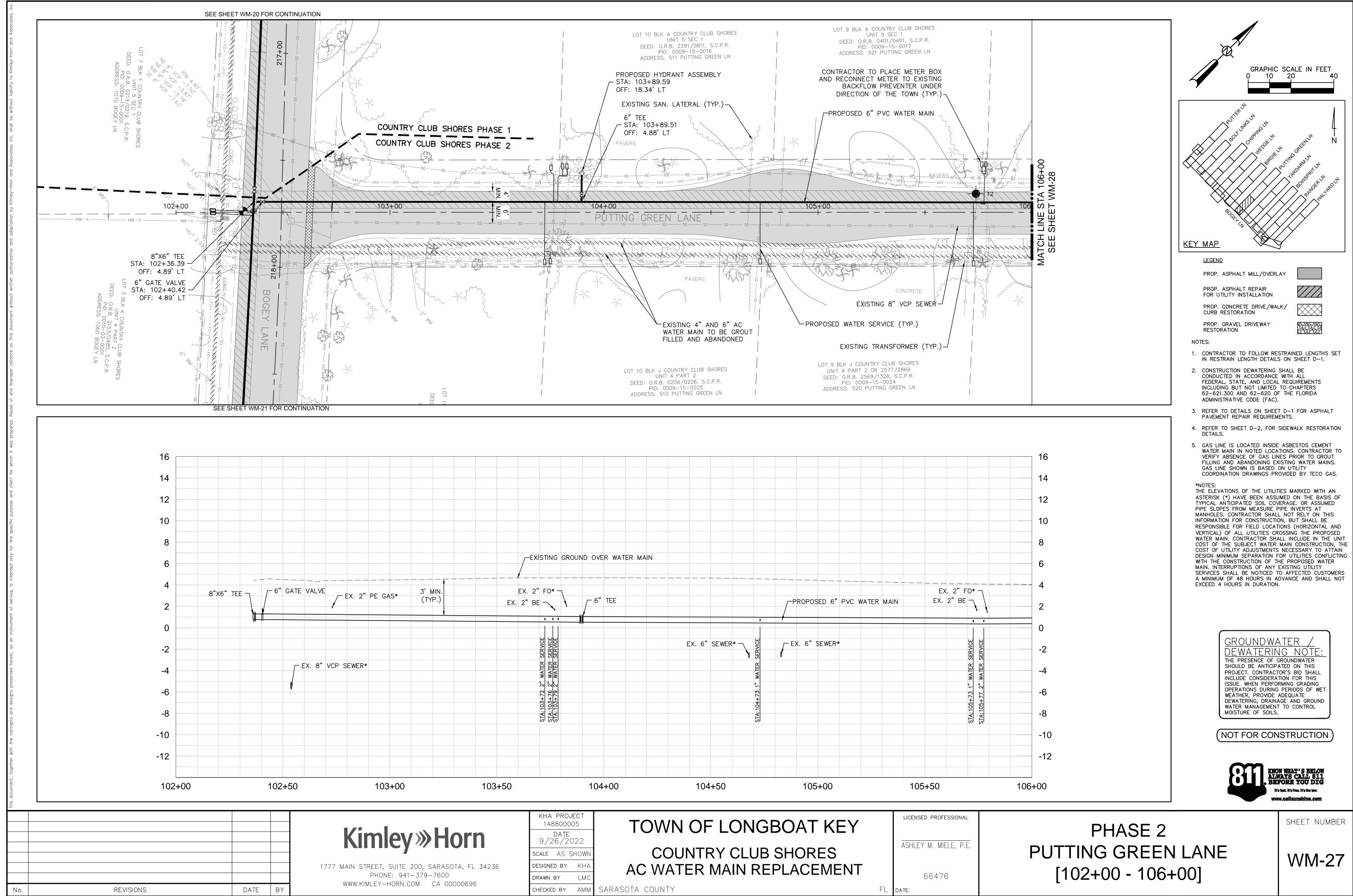


	KHA PROJECT 148800005	TOWN OF LONGBOAT KEY		LICENSED PROFESSIONAL
rn	DATE 9/26/2022			ASHLEY M. MIELE, P.E.
• • •	SCALE AS SHOWN	COUNTRY CLUB SHORES		ASHLLI WI. WILLL, I.L.
, FL 34236	DESIGNED BY KHA	AC WATER MAIN REPLACEMENT		
0696	DRAWN BY LMC			66476
0030	CHECKED BY AMM	SARASOTA COUNTY	FL	DATE:

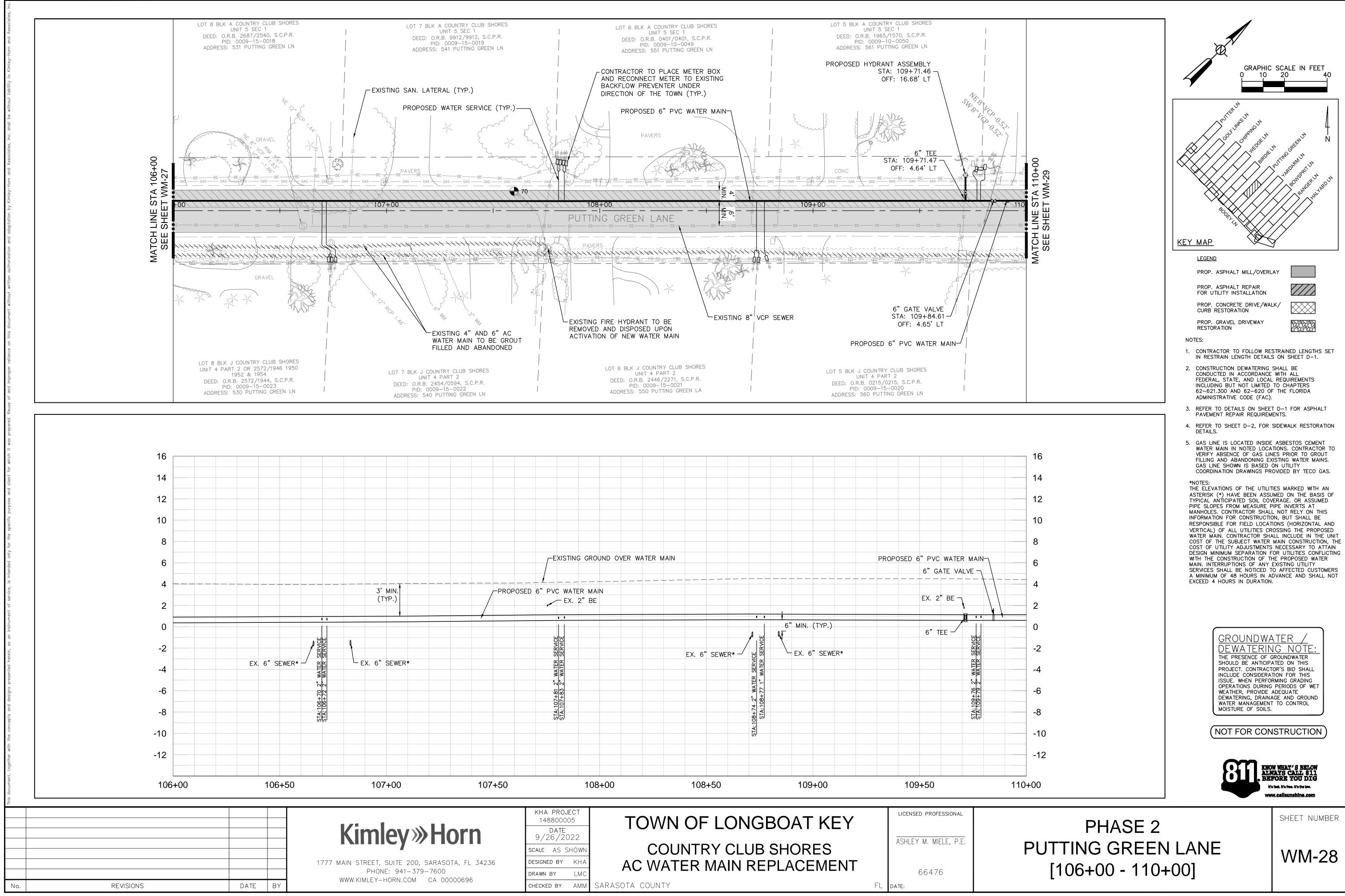


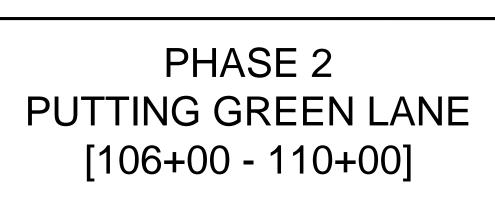


LOT 3 BLK B COUNTRY CLUB SHORES UNIT 4	LOT 2 BLK B COUNTRY CLUB SHORES
DEED: O.R.B. 9908/7234, S.C.P.R. PID: 0009-16-0034 ADDRESS: 645 HALYARD LN	UNIT 4 DEED: O.R.B. 2976/1280, S.C.P.R. PID: 0009–16–0035 ADDRESS: 657 HALYARD LN
G GAS SERVICE (TYP.)	GAS CALL CALL CALL CALL CALL CALL CALL CA
	EXISTING TRANSFORMER (TYP.)
PAVERS BE = BE =	EXISTING SAN. LATERAL (TYP.) PAVERS $PAVERS$
EXISTING 3" AC AND 4" PVC WATER MAINS TO BE GROUT FILLED AND ABANDONED	6"X4" REDUCER STA: 244+52.14- OFF: 7.59'RT CONTRACTOR TO CONNECT EXISTING SERVICE LINES TO PROPOSED MAIN- CONTRACTOR TO PLACE METER BOX AND RECONNECT METER TO EXISTING BACKFLOW PREVENTER UNDER DIRECTION OF THE TOWN (TYP.)-
LOT 3 & NELY 1/2 OF LOT 4 BLK A COUNTRY CLUB SHORES UNIT 4 DEED: O.R.B. 2970/1816, S.C.P.R. PID: 0009–16–0039 ADDRESS: 640 HALYARD LN	LOT 2 BLK A COUNTRY CLUB SHORES UNIT 4 OR 431/12 DEED: O.R.B. 2638/1450, S.C.P.R. PID: 0009–16–0038 ADDRESS: 656 HALYARD LA

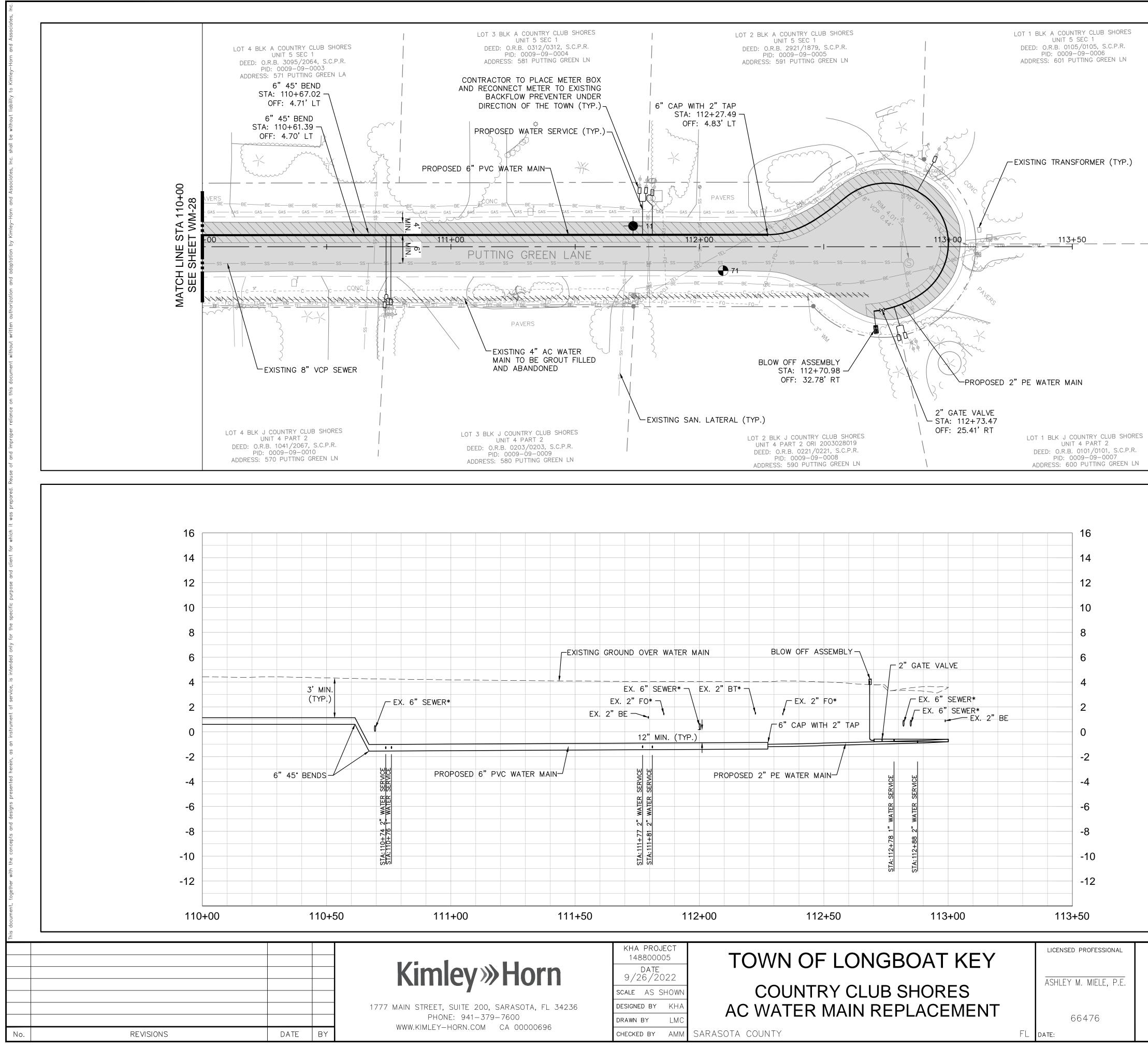


		OVER WATER MAIN					
	EX. 2" FO* -					•	
	STA: 103+72 2" WATER SERVICE STA: 103+76 2" WATER SERVICE STA: 103+79 2" WATER SERVICE		EX. 6" SEWER* ->	SIA: 104+73 * 104+73 * 104+73 * MA * ERVICE * MCE * MCE * MCE	WER*	STA: 105+73 1" WATER SERVICE	
103+50		104+00	104+50	105+0	 DO	105+50	
DIN 7a, fl 34236 00696	KHA PROJECT 148800005 DATE 9/26/2022 SCALE AS SHOW DESIGNED BY KH DRAWN BY LM CHECKED BY AM		VN OF LO OUNTRY CL VATER MAIN	UB SHORE	S	LICENSED PROFESSIONAL ASHLEY M. MIELE, P.E. 66476 DATE:	

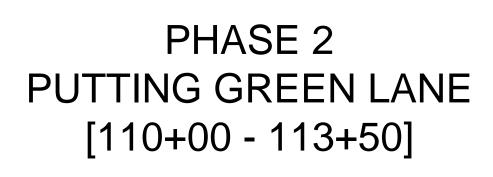








EX. 2	EX. 2" FO* 2" BE 12" MIN. (TYF • • • • • • • • • • • • • • •		PE WATER MAIN		2" BE	2 0 2 4
111+50	<u>STA: 111+77</u> STA: 111+81	12+00	112+50	STA: 112+78 STA: 112+78 STA: 112+78 STA: 112+78 STA: 112+78 STA: 112-78 STA: 1		-6 -8 -10 -12 113+50
	KHA PROJECT					LICENSED PROFESSIONAL
OTN DTA, FL 34236 000696	148800005 DATE 9/26/2022 SCALE AS SHOWN DESIGNED BY KHA DRAWN BY LMC CHECKED BY AMM	С	OUNTRY CL /ATER MAIN	NGBOAT KE LUB SHORES REPLACEMEN	NT	ASHLEY M. MIELE, P.E. 66476 date:



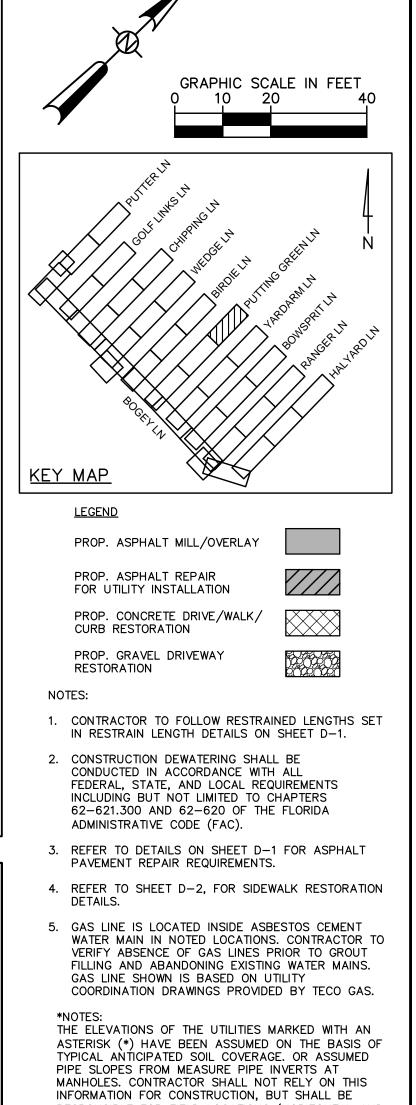


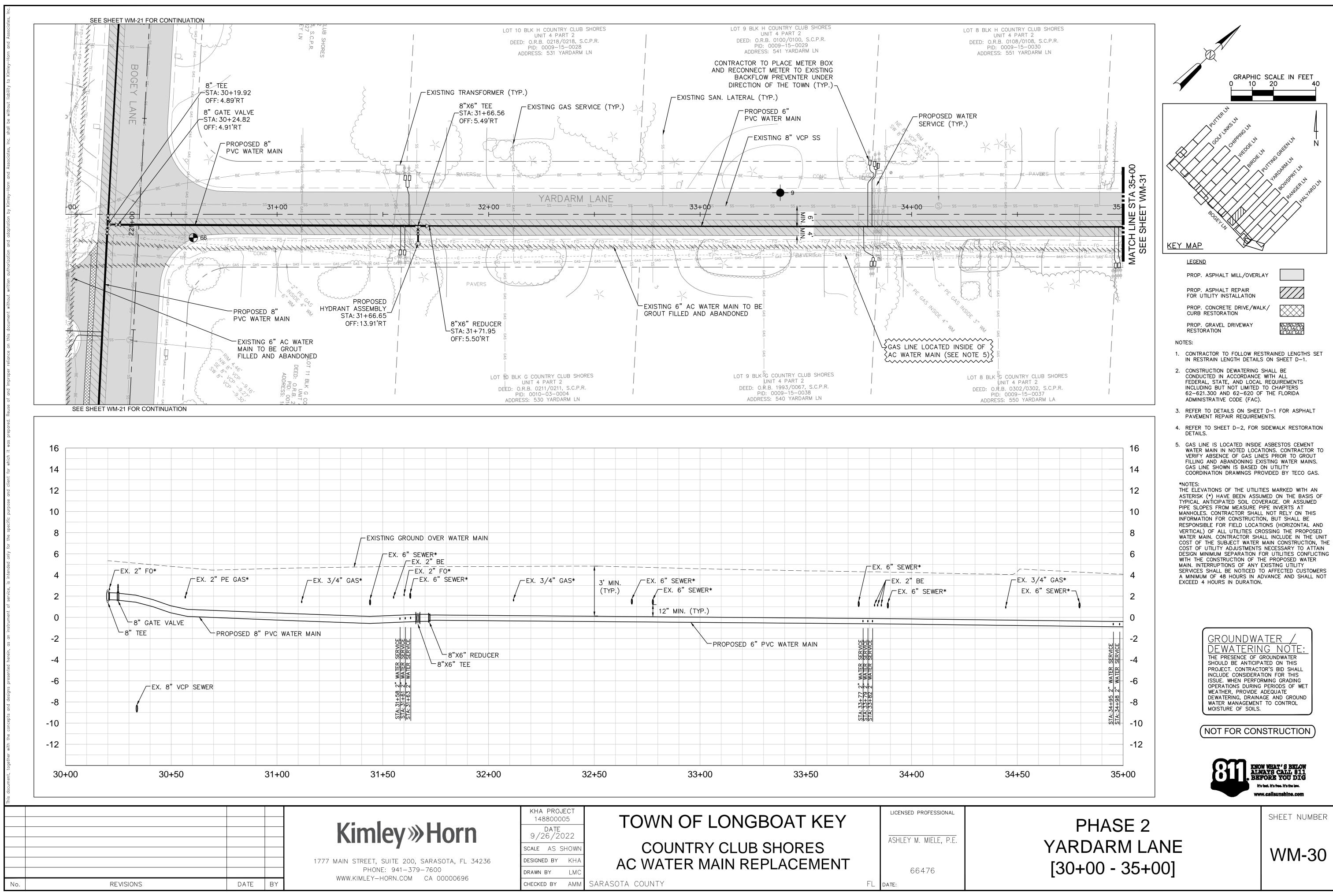
SHEET NUMBER

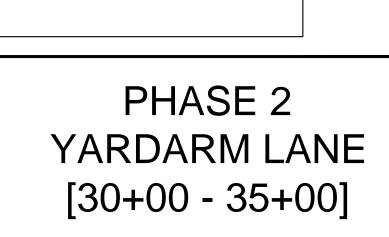


<u>GROUNDWATER</u> DEWATERING NÓTE THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

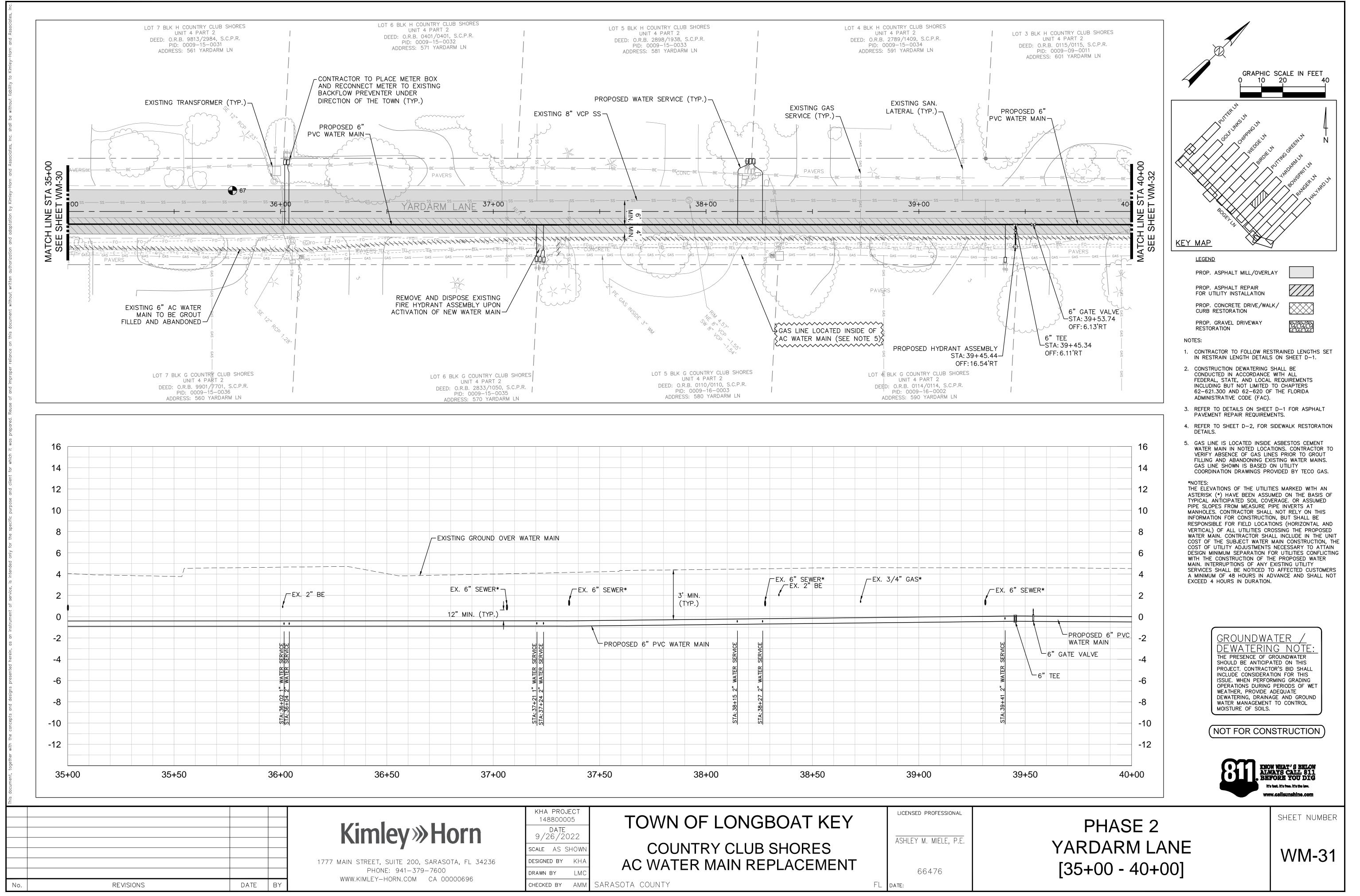
RESPONSIBLE FOR FIELD LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL UTILITIES CROSSING THE PROPOSED WATER MAIN. CONTRACTOR SHALL INCLUDE IN THE UNIT COST OF THE SUBJECT WATER MAIN CONSTRUCTION, THE COST OF UTILITY ADJUSTMENTS NECESSARY TO ATTAIN DESIGN MINIMUM SEPARATION FOR UTILITIES CONFLICTING WITH THE CONSTRUCTION OF THE PROPOSED WATER MAIN. INTERRUPTIONS OF ANY EXISTING UTILITY SERVICES SHALL BE NOTICED TO AFFECTED CUSTOMERS A MINIMUM OF 48 HOURS IN ADVANCE AND SHALL NOT EXCEED 4 HOURS IN DURATION.



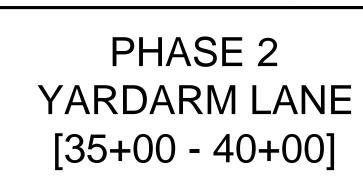


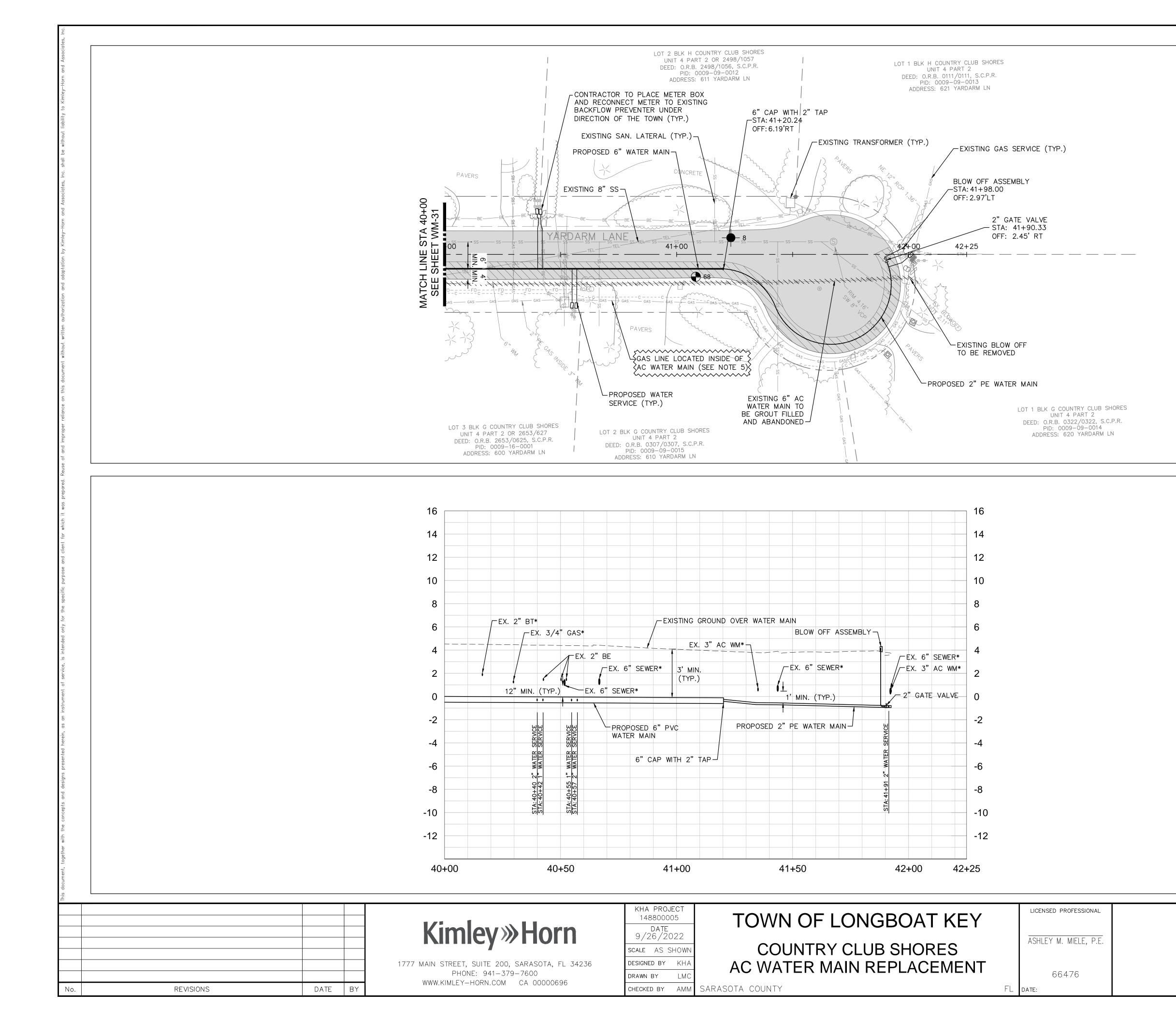


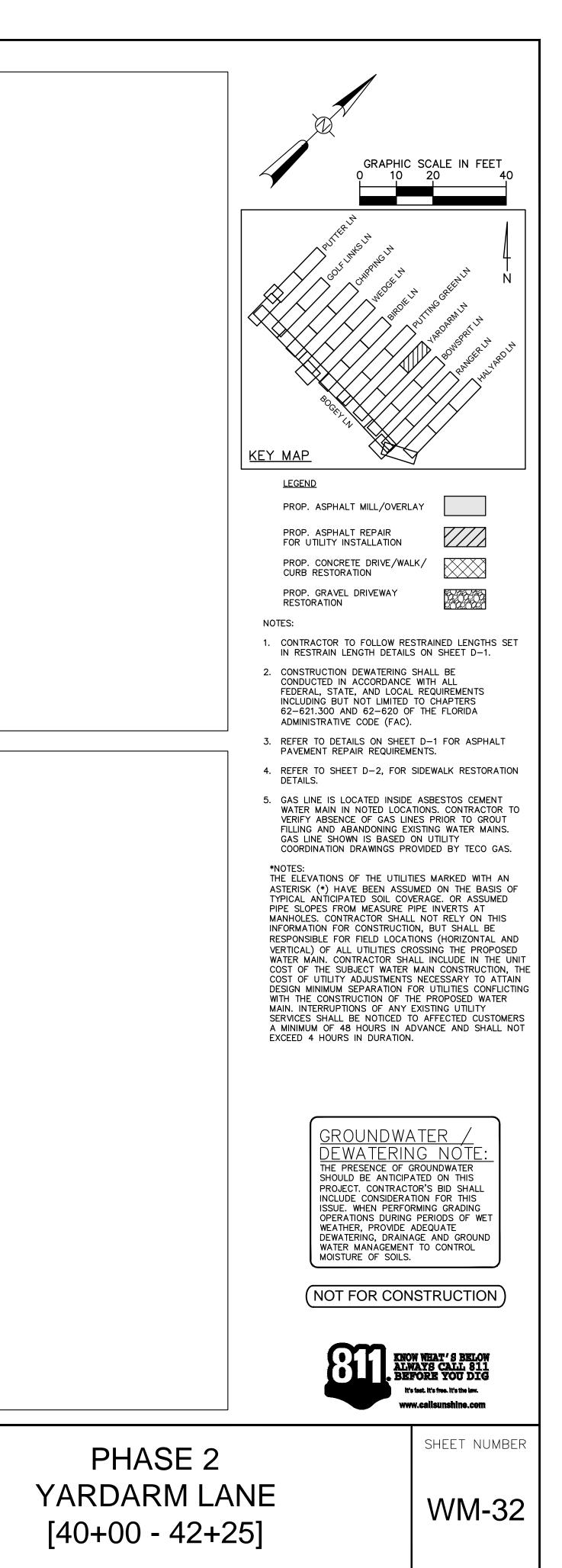


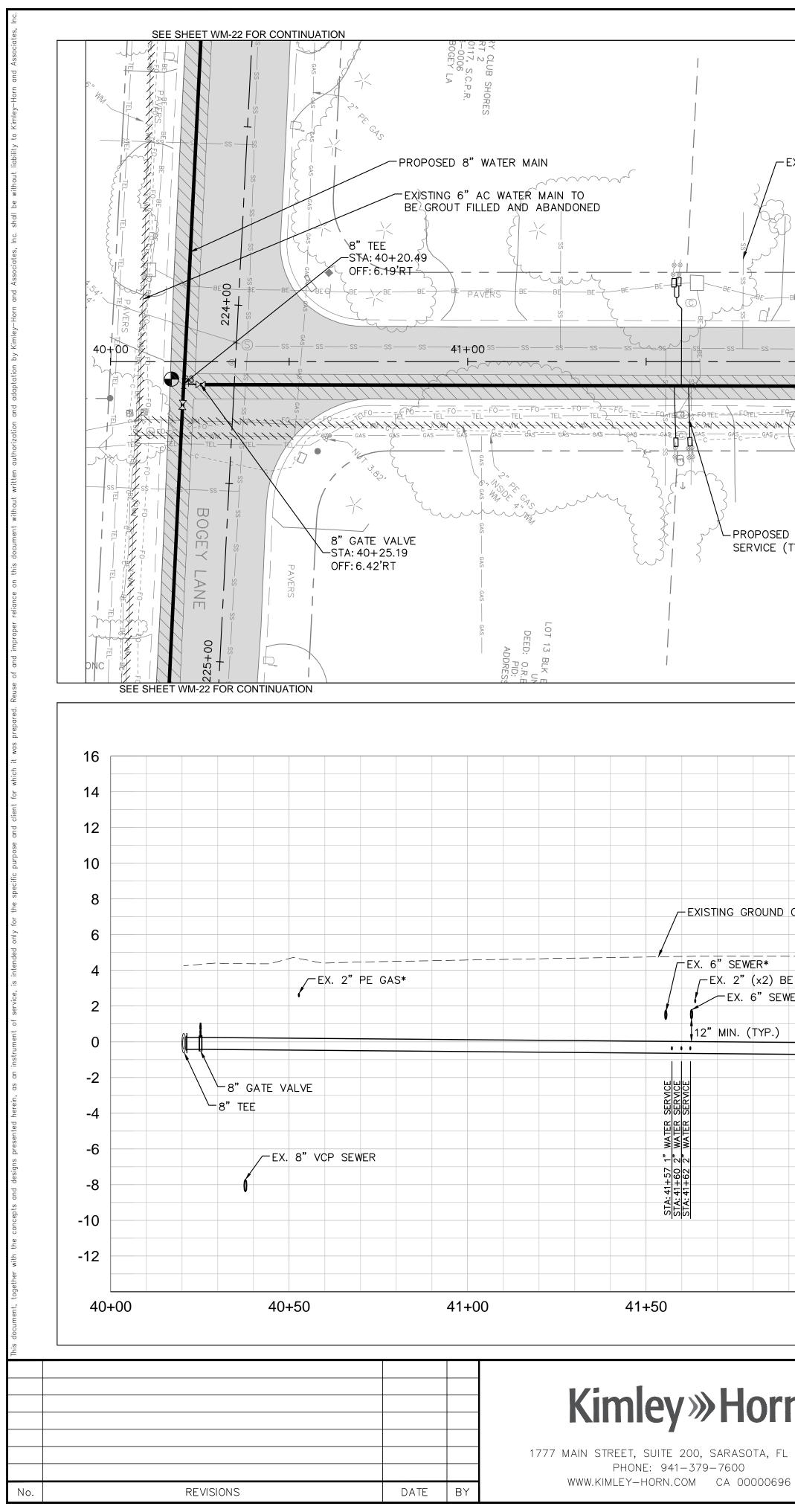


	KHA PROJECT 148800005	TOWN OF LONGBOAT KEY		LICENSED PROFESSIONAL
orn	DATE 9/26/2022			
	SCALE AS SHOWN	COUNTRY CLUB SHORES		ASHLEY M. MIELE, P.E.
A, FL 34236	DESIGNED BY KHA	AC WATER MAIN REPLACEMENT		
00696	DRAWN BY LMC			66476
00030	CHECKED BY AMM	SARASOTA COUNTY	FL	DATE:









EXISTING SAN. LATERAL (TYP.)	AND RECONNECT METE BACKFLOW PRED DIRECTION OF TH PROPOSED 8" PVC WATER MAIN BE BE PREVERS BE BE BE BE BE BE PREVERS BE	VENTER UNDER
PAVERS PAVERS LOT 12 BLK E COUNTRY CLUB SHORES UNIT 4 PART 2 DEED: O.R.B. 0205/0205, S.C.P.R. PID: 0010-03-0011 ADDRESS: 510 BOWSPRIT LN	EXISTING 6" AC WATER MAIN TO BE GROUT FILLED AND ABANDONED CAS LOCATED INSIDE OF AC WATER MAIN (SEE NOTE 5) LOT 11 BLK E COUNTRY CLUB SHORES UNIT 4 PART 2 DEED: O.R.B. 2959/2697, S.C.P.R. PID: 0010-03-0010 ADDRESS: 520 BOWSPRIT LA	PROPOSED HYDRANT ASSEMBLY STA: 43+53.17 OFF: 18.68'RT LOT 10 BLK E COUNTRY CLU UNIT 4 PART 2 DEED: O.R.B. 0304/0304, PID: 0010-02-000 ADDRESS: 530 BOWSPE
" SEWER* -EX. 3/4" GAS* YP.)	X. 6" SEWER* 3' MIN. (TYP.) 8" PVC WATER MAIN 8" PVC WATER MAIN 8" X6" TEE	1" WATER SERVICE 2" WATER SERVICE 2" WATER SERVICE
9/26/2022 scale AS SHOWN	43+00 43 WN OF LONGBOAT COUNTRY CLUB SHOF WATER MAIN REPLACE	RES ASHLEY M. MIELE, P.E.

SARASOTA COUNTY

CHECKED BY AMM

LOT 10 BLK F COUNTRY CLUB SHORES

UNIT 4 PART 2

DEED: 0.R.B. 0012/0012, S.C.P.R.

CONTRACTOR TO PLACE METER BOX

PID: 0010-03-0008 ADDRESS: 521 BOWSPRIT LN

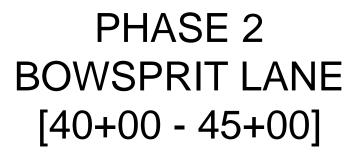
LOT 11 BLK F COUNTRY CLUB SHORES

unit 4 part 2

DEED: 0.R.B. 3054/0481, S.C.P.R.

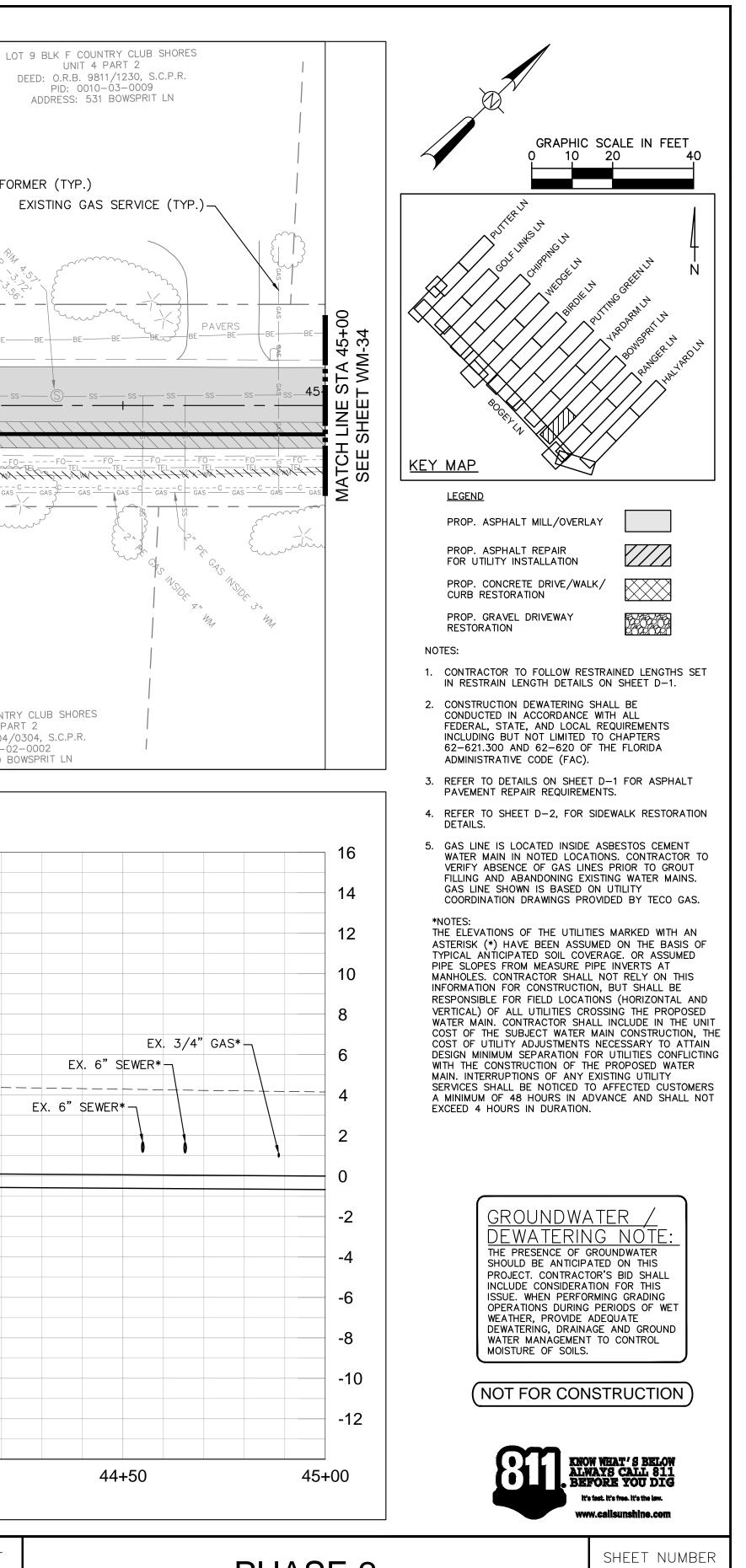
PID: 0010-03-0007

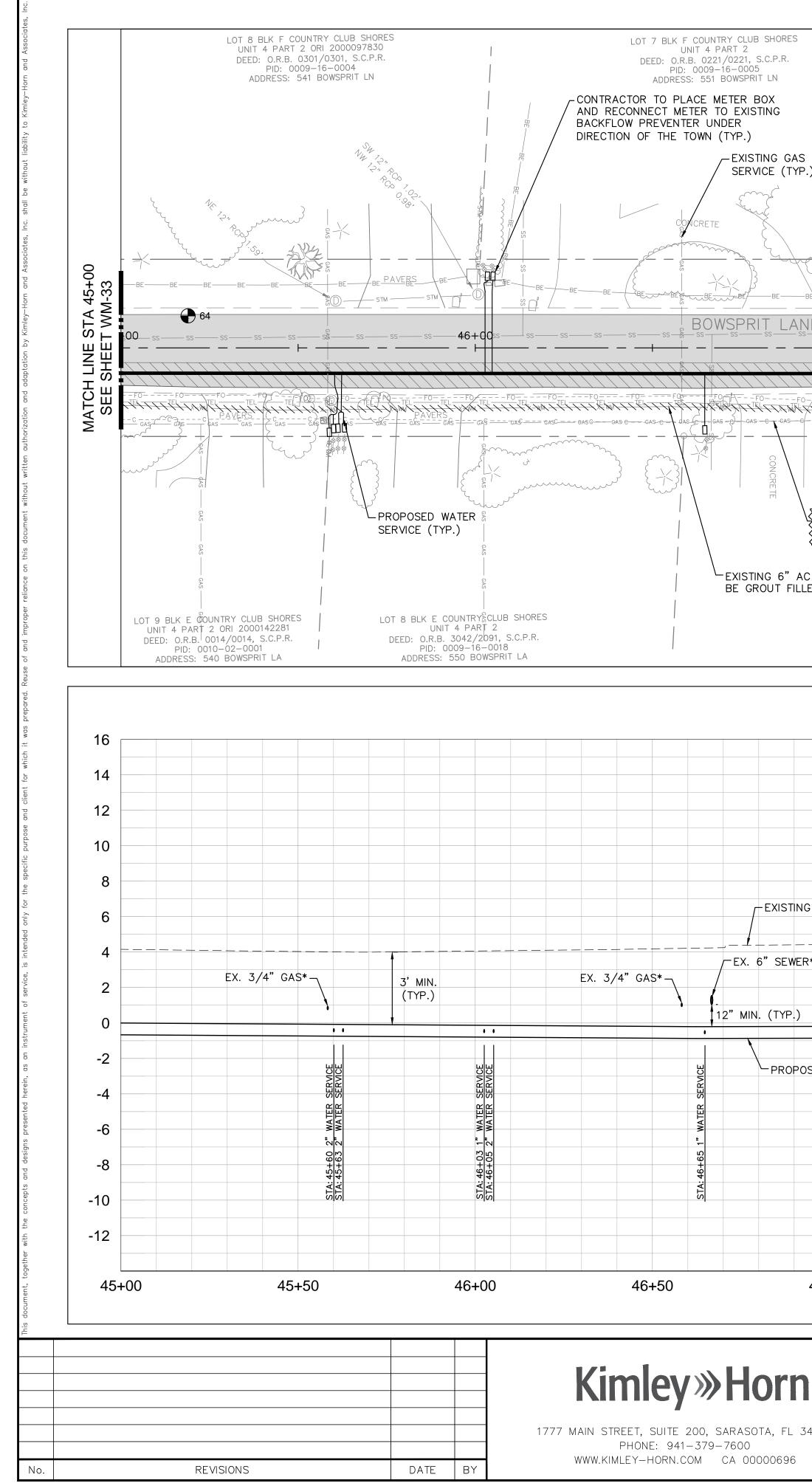
ADDRESS: 511 BOWSPRIT LA



FL date:







NG GAS CE (TYP.) BE BE B	EXISTING SAN. LATERAL (TYP.)	PROPOSED 8" PVC WATER MAIN AVERS 38 PAVERS 38 38 48 48 40 55 55 55 55 55 55 55 55 55 5	S S S S S S S S S S S S S S S S S S S	8"X6" REDUCER STA: 48+68.22 OFF: 7.12'RT EXISTING 8" VCP SS 38 38 38 38 38 38 38 38 38 38
GAS C GAS C GAS C GAS C GAS C GAS GAS C GAS C GAS C GAS C GAS GAS LOCATED INSIDE WATER MAIN (SEE N WATER MAIN (SEE N UNIT FILLED AND ABANDONED LOT 7 BLK E COUNTRY C UNIT 4 PART 2 OR 4 DEED: O.R.B. 1258/053 PID: 0009-16-0 ADDRESS: 560 BOWS	E OF AC \$ 0TE 5) \$ 0TE 5) \$ 20TE 5) \$ 20TE 5 \$ 2	EXISTING HYDRANT ASSEMBLY T REMOVED AND DISPOSED UPON ACTIVATION OF NEW WATER MAI (ISTING ANSFORMER YP.) LOT 6 BLK E COUNTRY O UNIT 4 PART DEED: OIR.B. 0220/02: PID: 0009-16-(ADDRESS: 570 BOW	$ \begin{array}{c c} \hline \\ \hline \\$	LOT 5 BLK E COUNTRY CLU UNIT 4 PART 2 DEED: 0.R.B. 0319/0319, PID: 0009-16-00 ADDRESS: 580 BOWSP
EXISTING GROUND OVER WATE 	FO*	EX. 6" SEWER* EX. 6"	Image: select	"GAS* EX. 6" GATE VALVE 8"X 6" REDUCER PROPOSED 6" PVC WATER M/
)rn 9/26	ATE S/2022 AS SHOWN BY KHA Y LMC	48+00 WN OF LONG OUNTRY CLUB VATER MAIN RE	SHORES	ASHLEY M. MIELE, P.E.

LOT 6 BLK F COUNTRY CLUB SHORES

UNIT 4 PART 2

DEED: 0.R.B. 0300/0300, S.C.P.R.

ADDRESS: 571 BOWSPRIT LN

Va

PID: 0009-16-0006

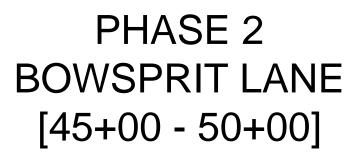
LOT 5 BLK F COUNTRY CLUB SHORES

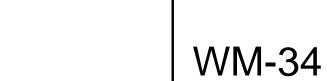
unit 4 part 2

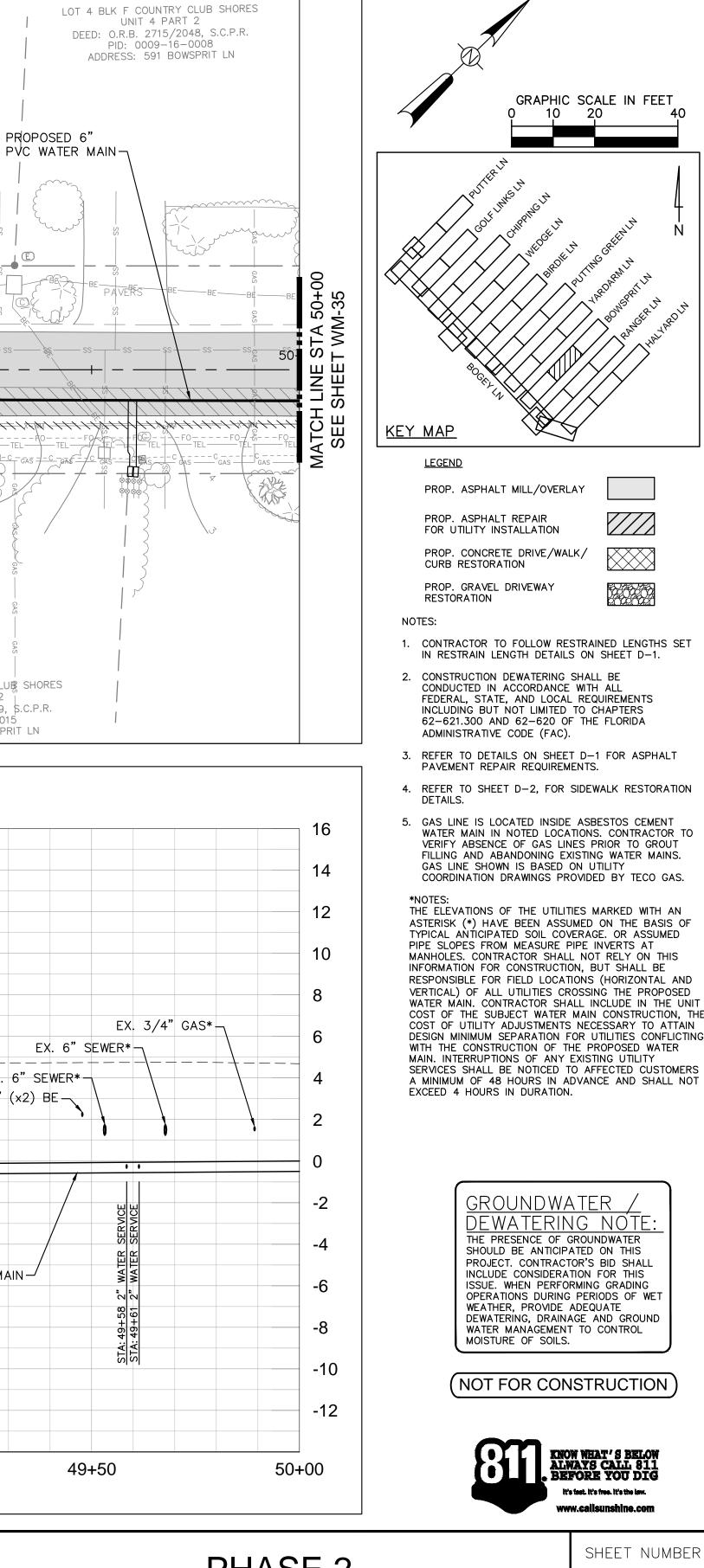
DEED: O.R.B. 1971/1629, S.C.P.R.

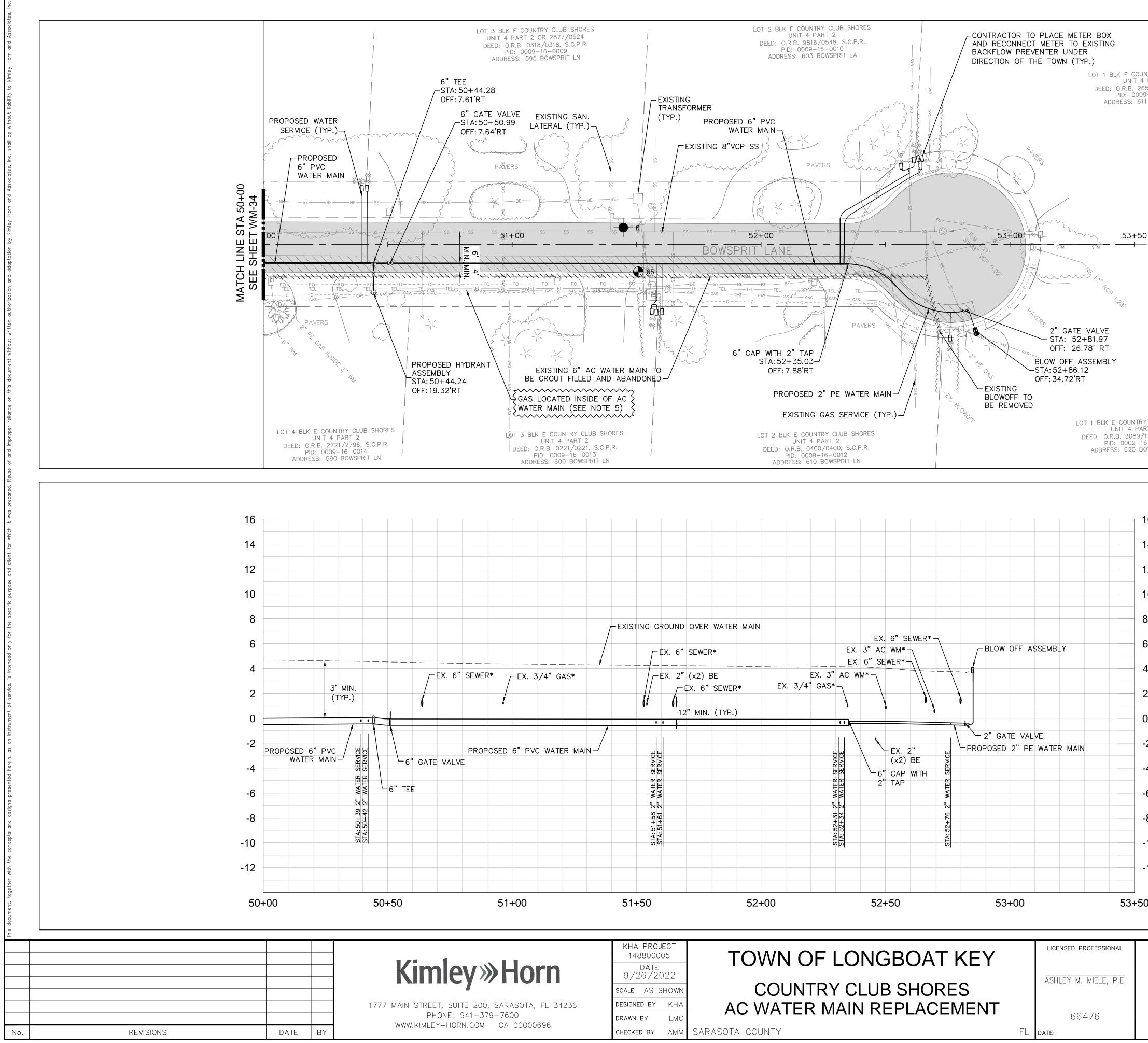
ADDRESS: 581 BOWSPRIT LN

PID: 0009-16-0007



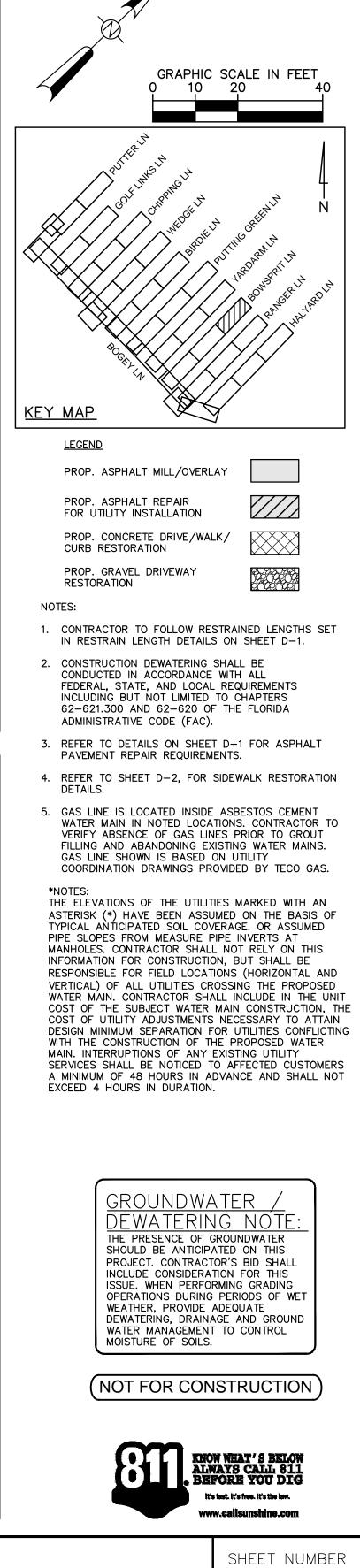




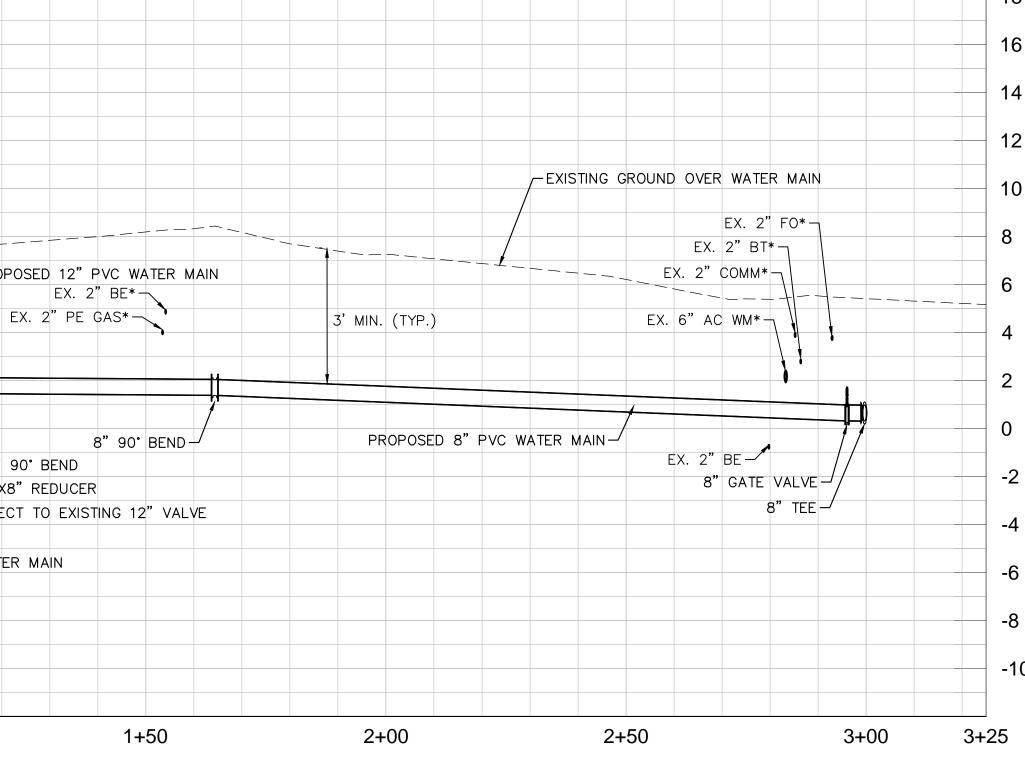


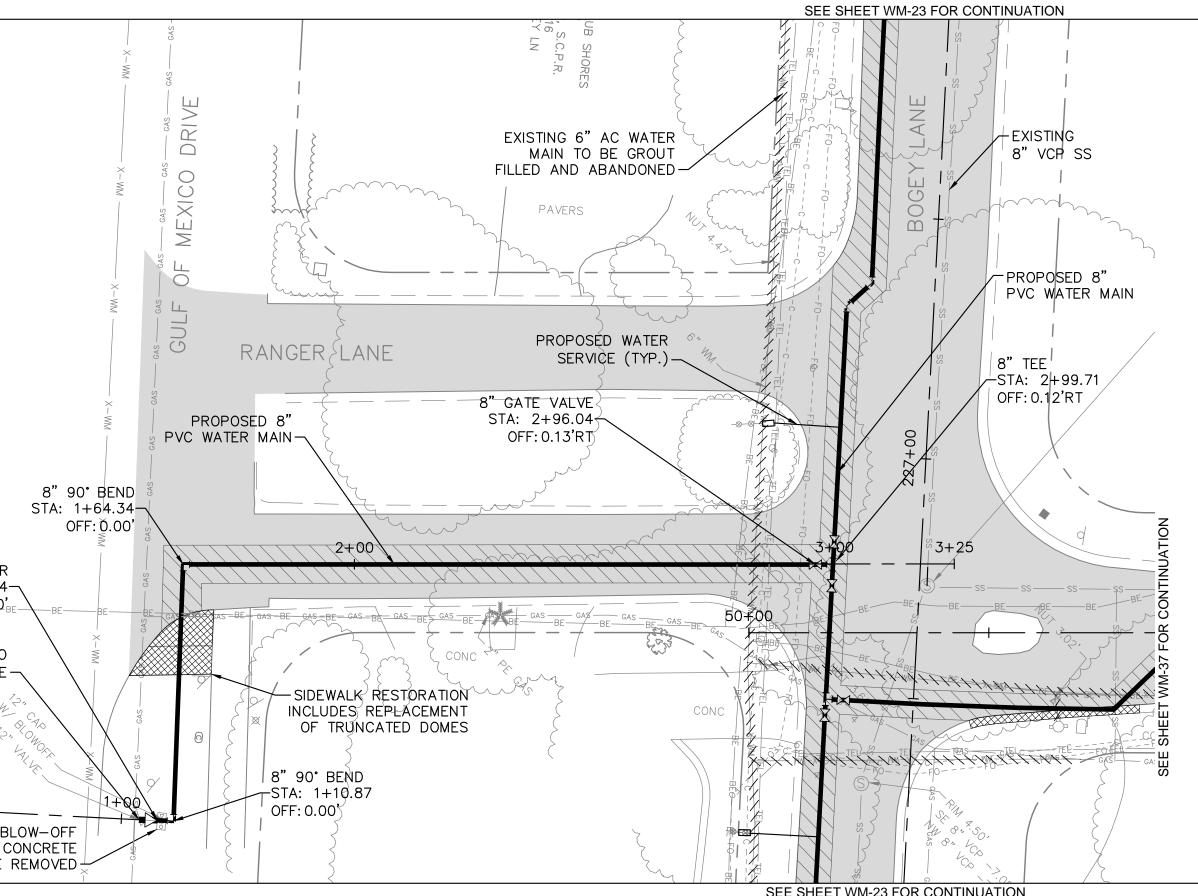
EXISTING 6" AC BE GROUT FILLED A AS LOCATED INSIDE ATER MAIN (SEE NO	WATER MAIN TO CAND ABANDONED CONTRACT	A: 52+35.03- DFF: 7.88'RT PROPOSED 2" PE WATER MAIN EXISTING GAS SERVICE (TYP.)	BLOW OFF STA: 52+8 OFF: 34.72 EXISTING CHARACTER BLOWOFF TO BE REMOVED	2'RT	CORB RESTORATI PROP. GRAVEL D RESTORATION NOTES: 1. CONTRACTOR TO IN RESTRAIN LEN	
BLK E COUNTRY CLUB UNIT 4 PART 2 D: O.R.B. 0221/0221, S. PID: 0009-16-0013 ADDRESS: 600 BOWSPRIT	C.P.R. DE	2 BLK E COUNTRY CLUB SHORES UNIT 4 PART 2 ED: O.R.B. 0400/0400, S.C.P.R. PID: 0009–16–0012 ADDRESS: 610 BOWSPRIT LN	*** *	LOT 1 BLK E COUNTRY CLUB SHORES UNIT 4 PART 2 DEED: O.R.B. 3089/1530, S.C.P.R. PID: 0009-16-0011 ADDRESS: 620 BOWSPRIT LN	CONDUCTED IN A FEDERAL, STATE, INCLUDING BUT N	DEWATERING SHALL BE ACCORDANCE WITH ALL , AND LOCAL REQUIREMENTS NOT LIMITED TO CHAPTERS D 62–620 OF THE FLORIDA CODE (FAC).
					3. REFER TO DETAIL PAVEMENT REPAI	LS ON SHEET D-1 FOR ASPHALT IR REQUIREMENTS.
					DETAILS.	T D-2, FOR SIDEWALK RESTORATION
				16	WATER MAIN IN N VERIFY ABSENCE FILLING AND ABA GAS LINE SHOWN	CATED INSIDE ASBESTOS CEMENT NOTED LOCATIONS. CONTRACTOR TO OF GAS LINES PRIOR TO GROUT ANDONING EXISTING WATER MAINS. N IS BASED ON UTILITY DRAWINGS PROVIDED BY TECO GAS.
				12	*NOTES: THE ELEVATIONS OF ASTERISK (*) HAVE	F THE UTILITIES MARKED WITH AN E BEEN ASSUMED ON THE BASIS OF
				10	PIPE SLOPES FROM MANHOLES. CONTRA INFORMATION FOR C RESPONSIBLE FOR F	ED SOIL COVERAGE. OR ASSUMED MEASURE PIPE INVERTS AT ACTOR SHALL NOT RELY ON THIS CONSTRUCTION, BUT SHALL BE FIELD LOCATIONS (HORIZONTAL AND
	-EXISTING GROUND OVER WATER MAIN	EX. 6" SEWER*		6	WATER MAIN. CONT COST OF THE SUBJ COST OF UTILITY AU DESIGN MINIMUM SE	UTILITIES CROSSING THE PROPOSED TRACTOR SHALL INCLUDE IN THE UNIT JECT WATER MAIN CONSTRUCTION, THE ADJUSTMENTS NECESSARY TO ATTAIN EPARATION FOR UTILITIES CONFLICTING
 X. 3/4" GAS*	/EX. 6" SEWER* /EX. 2" (×2) BE	EX. 3" AC WM*	BLOW OFF ASSEMBLY	4	MAIN. INTERRUPTION SERVICES SHALL BE	JCTION OF THE PROPOSED WATER NS OF ANY EXISTING UTILITY E NOTICED TO AFFECTED CUSTOMERS HOURS IN ADVANCE AND SHALL NOT IN DURATION.
	EX. 6" SEWER*	EX. 3/4" GAS*		2		
			2" GATE VALVE	0 -2	GRO	UNDWATER /
PVC WATER MAIN-	SERVIC	EX. 2" EX. 2" (x2) BE 6" CAP WITH	→ PROPOSED 2" PE WATER M	-4	DEWA THE PRE SHOULD	ATERING NOTE: ESENCE OF GROUNDWATER BE ANTICIPATED ON THIS T. CONTRACTOR'S BID SHALL
	STA: 51+58 2" WATER STA: 51+61 2" WATER			-6	INCLUDE ISSUE. W OPERATIO WEATHER	E CONSIDERATION FOR THIS WHEN PERFORMING GRADING IONS DURING PERIODS OF WET R, PROVIDE ADEQUATE
	STA: 51+56	STA: 52+31 2" STA: 52+31 2"	STA: 52+76		WATER M MOISTUR	RING, DRAINAGE AND GROUND MANAGEMENT TO CONTROL RE OF SOILS.
				-12		OR CONSTRUCTION)
C	51+50 52+0	0 52+50	53+00	53+50	8	KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG It's fast. It's free. It's the law.
	KHA PROJECT 148800005 TOM	/N OF LONGBOAT		D PROFESSIONAL		www.callsunshine.com Sheet Number
orn	9/26/2022	OUNTRY CLUB SHOR		M. MIELE, P.E.	PHASE 2 BOWSPRIT LANE	
DTA, FL 34236 000696	DESIGNED BY KHA DRAWN BY LMC	ATER MAIN REPLACE	EMENT	66476	[50+00 - 53+50]	WM-35
	CHECKED BY AMM SARASOTA COUN	11	FL date:			

N 1	UNTRY CLUB SHORES 4 PART 2 651/2262, S.C.P.R. 19-09-0017 11 BOWSPRIT LN	4
Y CLUB SHORES		
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TY CLUB SHORES		KEY
TY CLUB SHORES		
RY CLUB SHORES		NOT
/1530, S.C.P.R.	NRT 2	2.

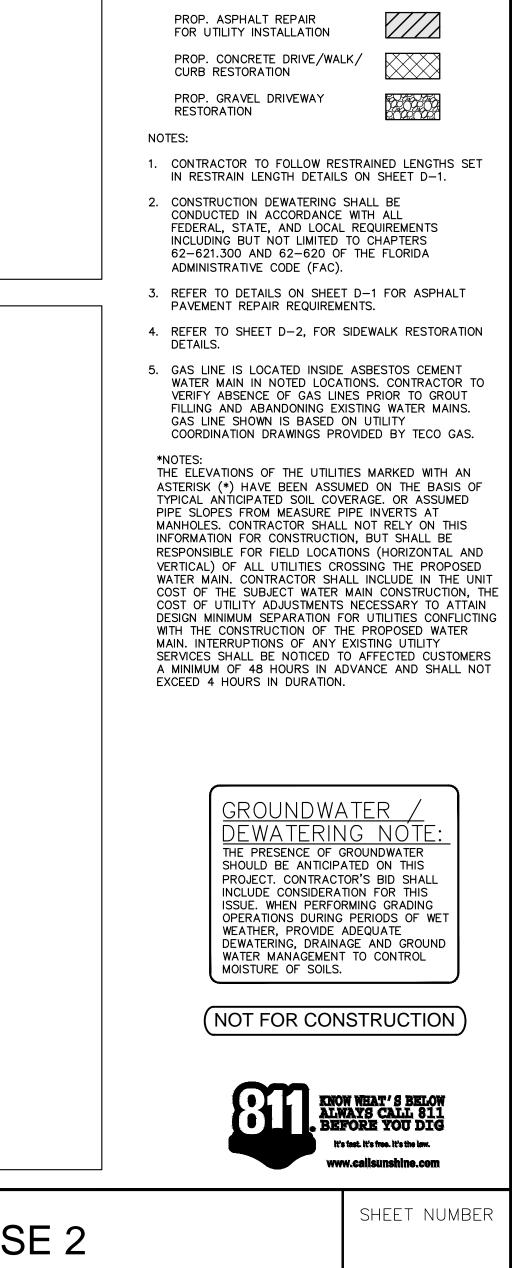


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interes, Inc.		SEE SHEET WM-23 FOR CONTINUATION
Associ	e e e e e e e e e e e e e e e e e e e	S.C.P.
	BAS BAS	
× to Ki		EXISTING 6" AC WATER MAIN TO BE GROUT
		FILLED AND ABANDONED
withou	WEXCO	PAVERS / Mering And Barry And Barry
	s s s	The start is a start of the sta
	× O	PROPOSED 8"
sociates		
and As	RANGER LANE	PROPOSED WATER SERVICE (TYP.)
/-Horn		
	PROPOSED 8"	STA: 2+96.04 OFF: 0.13'RT
ation by		
d adapt	8"90° BEND 3 STA: 1+64.34	
	OFF: ٥٢.00' الم	3+25 Not
thorization	12"X8" REDUCER	
	STA: 1+07.44 BEOFF_E 0.00'BEBEBEBEBEBEBEBEBEBEGASBEABSBEABSBEABSBEABSBEABSBEABSBEBBBB	BE GAS BE GAS DE
hout write and a second s		
	EXISTING 12" VALVE	DRATION CONC SCORE CON
documente de la companya de la company	SIDEWALK REST	CEMENT CONC VI CONC
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	OFF: 0.00	
	EXISTING BLOW-OFF	
o to a state of the state of th	PAD TO BE REMOVED 7 6	SEE SHEET WM-23 FOR CONTINUATION
ed. Rei		
breepa s		
18 18		18
لور مهارد 16		16
client		
ह 14		14
		12
		EXISTING GROUND OVER WATER MAIN
for the		EX. 2" FO* -
8 B		EX. 2" BT* - 8
6	EX. 2" PE GAS*	EX. 2" COMM* 7 6
	EX. 2" PE GAS* EX. 2" BE* Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of the second structure Image: Comparison of	YP.) EX. 6" AC WM*
4		
2		2
c c c c c c c c c c c c c c c c c c c	8" 90" BEND PROPO	DSED 8" PVC WATER MAIN-/
-2		8" GATE VALVE -/ -2
-4	CONNECT TO EXISTING 12" VALVE	8" TEE -/ -4
-6	EXISTING 12" WATER MAIN	
Der beter aus		
-8		-8
-10		-10
gether		
0+50	1+00 1+50 2+00	2+50 3+00 3+25
a docur		
	KHA PROJECT	LICENSED PROFESSIONAL
	148800005	OWN OF LONGBOAT KEY
	KINIEY MOIN 9/26/2022	ASHLEY M MIELE DE
	SCALE AS SHOWN	COUNTRY CLUB SHORES
	DRAWN BY LMC	C WATER MAIN REPLACEMENT
	WWW.KIMLEY-HORN.COM CA 00000696	
No. REVISIONS DATE BY	CHECKED BY AMM SARASOTA	COUNTY FL date:





PHASE 2 GULF OF MEXICO DRIVE -POINT OF CONNECTION



<u>KEY MAP</u>

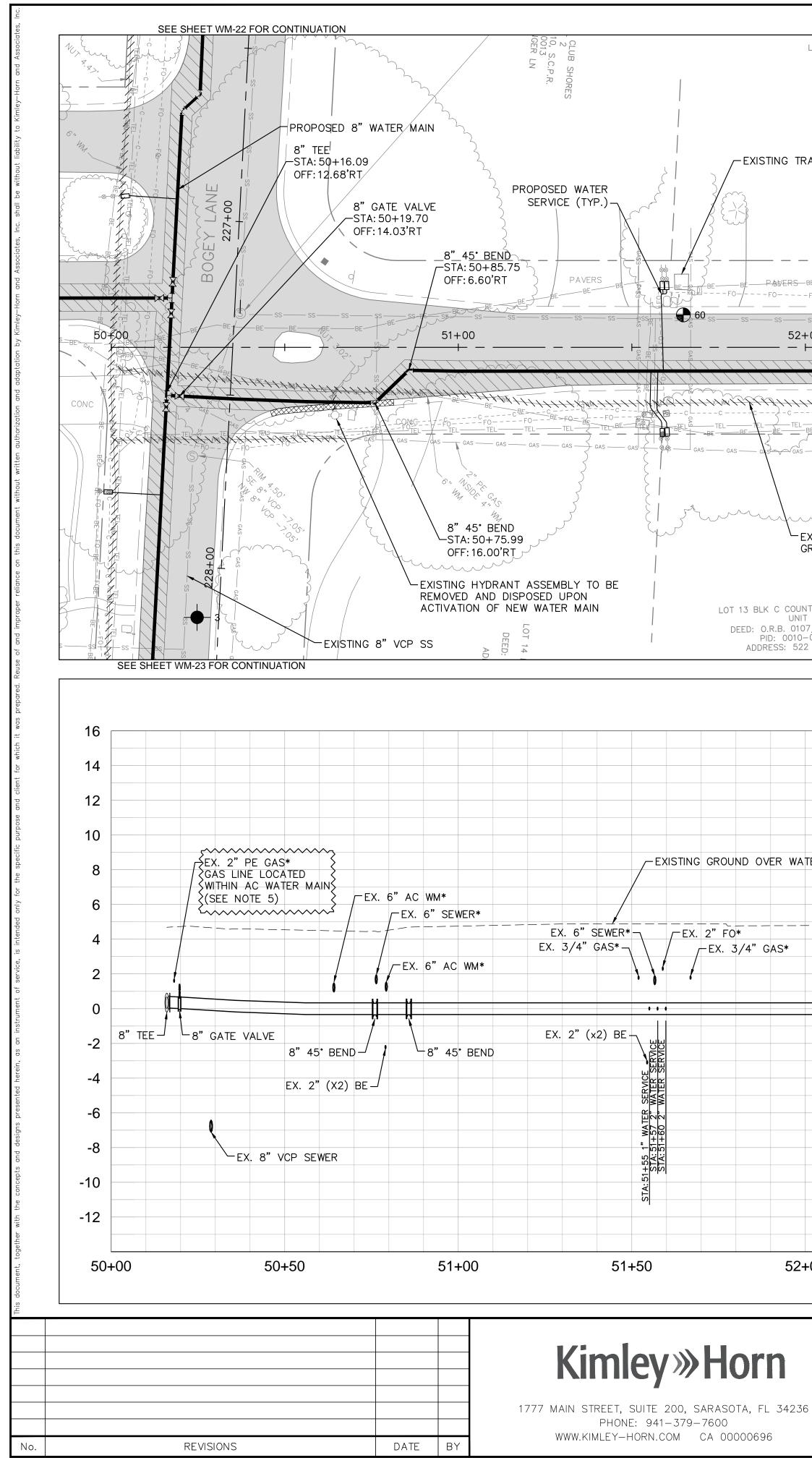
10 20

GRAPHIC SCALE IN FEET 40

<u>LEGEND</u>

PROP. ASPHALT MILL/OVERLAY

WM-36



LOT 13 BLK D COUNTRY CLUB SHORES UNIT 4 DEED: O.R.B. 1472/1599, S.C.P.R. PID: 0010-03-0014 ADDRESS: 521 RANGER LN	U DEED: O.R.B. C PID: 00	DUNTRY CLUB SHORES INIT 4 1400/0400, S.C.P.R. 10-02-0003 531 RANGER LN	LOT 11 BLK D COUNTRY 0 UNIT 4 DEED: O.R.B. 9902/985 PID: 0010-02-0 ADDRESS: 541 RAN
EXISTING TRANSFORMER (TYP.)	CONTRACTOR TO PLAC AND RECONNECT METER BACKFLOW PREV DIRECTION OF THE PROPOSED 8" PVC WATER MAIN	R TO EXISTING ENTER UNDER TOWN (TYP.)	EXISTING GAS SE EXISTING SAN. LATERAL 8"X6" TEE -STA: 53+62.49 OFF: 6.69'RT F0F0F0F0F0F0F0F0
EXISTING 6" AC WATER MAIN TO BE GROUT FILLED AND ABANDONED		RY CLUB SHORES 4 /0321, S.C.P.R. 2 / / / / / / / / / / / / /	CONCRETE - C CONCRETE - C CONCRETE - C C - C - C - C - C - C - C - C - C -
ID OVER WATER MAIN ID ID	EX. 6" SEWER*		Image: second
52+00 52+50	53+00	53+50	54+00

TOWN OF LONGBOAT KEY

COUNTRY CLUB SHORES

AC WATER MAIN REPLACEMENT

KHA PROJECT

148800005

DATE 9/26/2022

CALE AS SHOWN

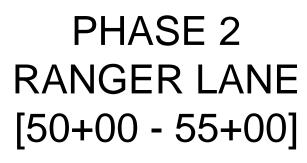
ESIGNED BY KHA

LMC

CHECKED BY AMM SARASOTA COUNTY

DRAWN BY

LOT 12 BLK D COUNTRY CLUB SHORES



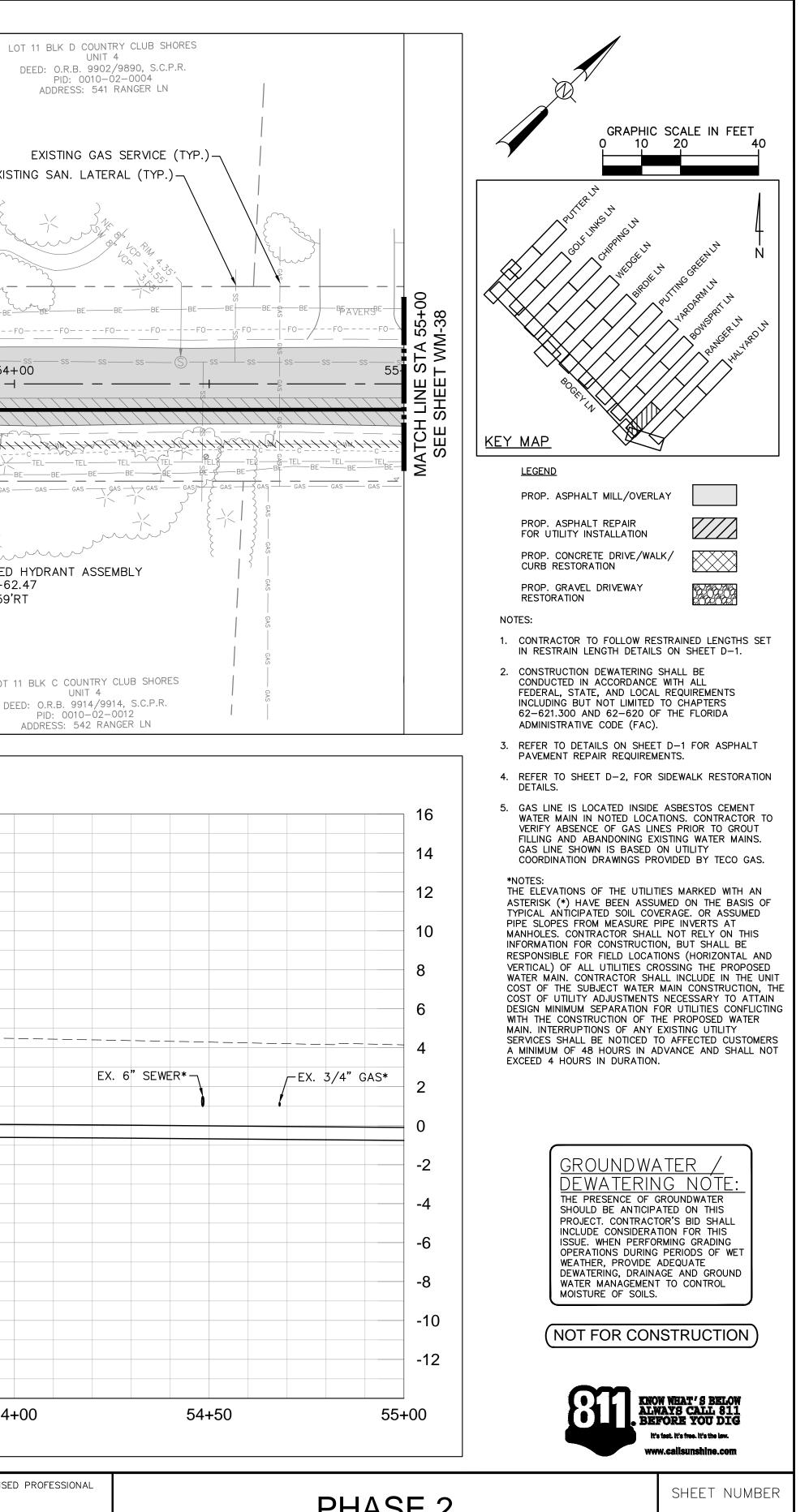
LICENSED PROFESSIONAL

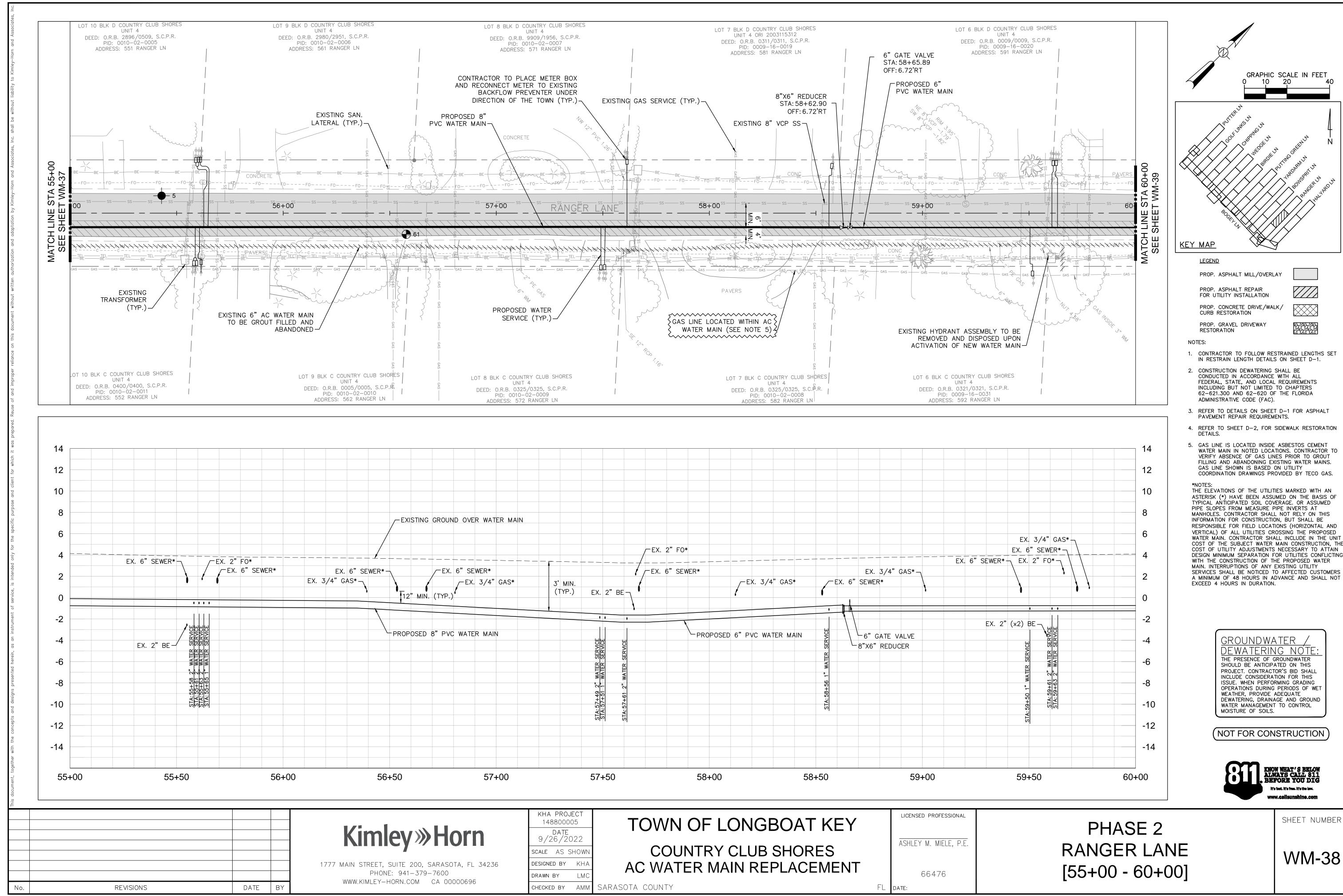
ASHLEY M. MIELE, P.E.

66476

FL date:

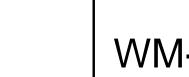
WM-37

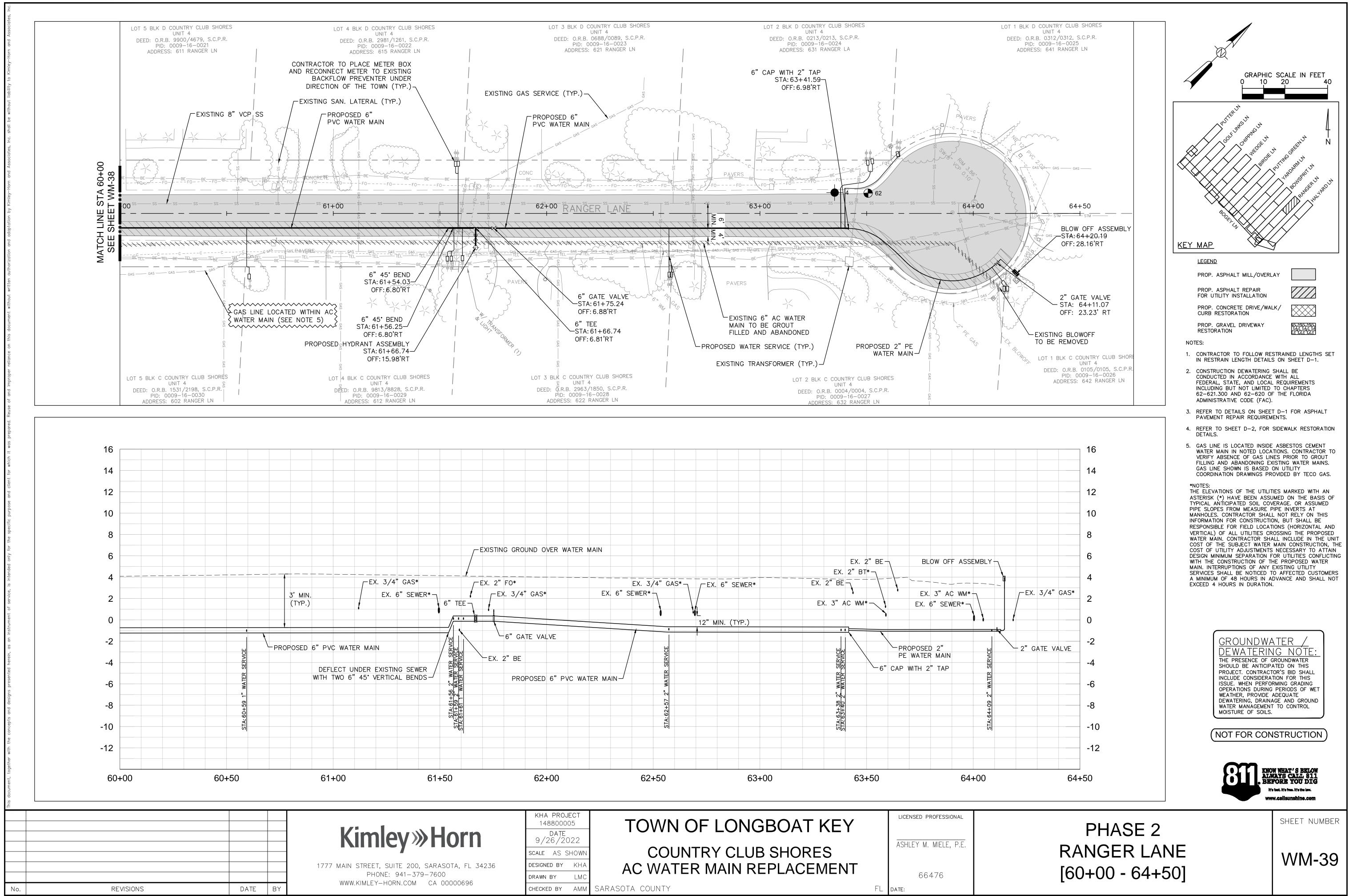




orn	KHA PROJECT 148800005 DATE 9/26/2022	TOWN OF LONGBOAT KEY		LICENSED PROFESSIONAL	
	SCALE AS SHOWN	COUNTRY CLUB SHORES		ASHLEY M. MIELE, P.E.	
A, FL 34236	DESIGNED BY KHA DRAWN BY LMC			66476	
0696		SARASOTA COUNTY	FL	DATE:	
	CHECKED BY AMM	SARASOTA COUNTY	FL	DATE:	







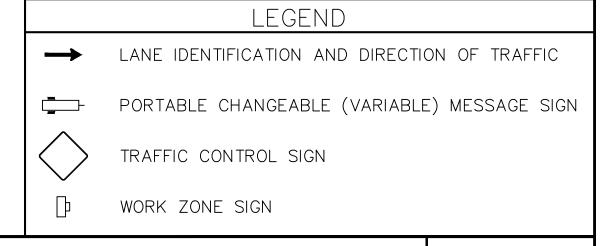
	000				U
	KHA PROJECT 148800005	TOWN OF LONGBOAT KEY		LICENSED PROFESSIONAL	
orn	DATE 9/26/2022 scale as shown	COUNTRY CLUB SHORES		ASHLEY M. MIELE, P.E.	
TA, FL 34236	DESIGNED BY KHA DRAWN BY LMC	AC WATER MAIN REPLACEMENT		66476	
00696	CHECKED BY AMM	SARASOTA COUNTY	FL	DATE:	

ų						
Associates, In	PORTABLE CHANGEA					
PLACE THE WO PRIOR	A PORTABLE CHANGEABLE (VARIA ORK ZONE ON GULF OF MEXICO D TO THE FIRST DAY OF ROADWAY	ABLE) MESSAGE SIGN PRIVE (SR-789) FOR CONSTRUCTION.	N 900'/1100' IN ADVANCE OF A PERIOD OF 14 DAYS			
index interview	ING OF PROJECT ALONG GULF OF	- MEXICO DRIVE (SR-	-789) BOTH DIRECTIONS OF			
. shall be without	PRIOR TO CONST. MESSAGE SHOULD READ:	SR 789 CONST AHEAD	BEGINS XX/XX/XX			
orn and Associates, Inc	DURING CONSTRUCTION MESSAGE SHOULD READ:	SR 789 CONST AHEAD	XX/XX/XX TO XX/XX/XX			
nd adaptation by Kimley–H	<u>general</u>	NOTES				
written authori	E EXISTING POSTED SPEED LIMIT S MPORARY TRAFFIC CONTROL AREA LF OF MEXICO DRIVE (SR 789) — HIN THE COUNTRY CLUB SHORES	AS. Posted 45 MPH Development — N	OT POSTED 25 MPH			
t Mitho 3. CO	TIFY EMERGENCY SERVICES (2) W					
. <u>∞</u> 4. CO	R 789) RIGHT OF WAY. ORDINATE WITH SARASOTA COUNT	TY AREA TRANSIT (S	CAT) FOR TEMPORARY			
ະ 5. ON	LOCATION OF BUS STOPS IF REQULY ONE ACCESS DRIVE TO COUNT DSED AT A TIME.		EVELOPMENT MAY BE			
per	ACE TEMPORARY BARRIERS AT AL	L DROP-OFFS DURI	NG NON-WORKING			
	ER INDICES 102-100, 102-110, 10	D2—120 AND 102—60	00)			
is document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was pr $\begin{bmatrix} \bullet & \bullet \\ \bullet & \bullet \end{bmatrix}$	END ROAD WORK		CO DRIVE (SR 789) 2. ADJUST	WARNING SIGNS TO BE USED CONSTRUCTION WITHIN GULF O OR. (SR 789) ROW AND WITHIN TRANCE DRIVE. SIGNAGE TO ACCOUNT FOR WHEN REQUIRED.	END CONSTRUCTION SIGNAGE GULF OF MEXICO DRIVE (SR 78	
This			Kimley»Horn	9/26/2022 Scale AS SHOWN	TOWN OF LONGBOAT KEY COUNTRY CLUB SHORES	LICENSED PROFESSIONAL
			1777 MAIN STREET, SUITE 200, SARASOTA, FL 34236 PHONE: 941-379-7600 WWW.KIMLEY-HORN.COM CA 00000696	DRAWN BY LMC	AC WATER MAIN REPLACEMENT	66476
No.	REVISIONS	DATE	BY	CHECKED BY AMM SARASOT	TA COUNTY	FL DATE:

ADVANCE WARNING LAYOUT

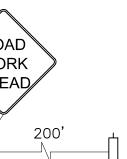
SHEET NUMBER

T-1

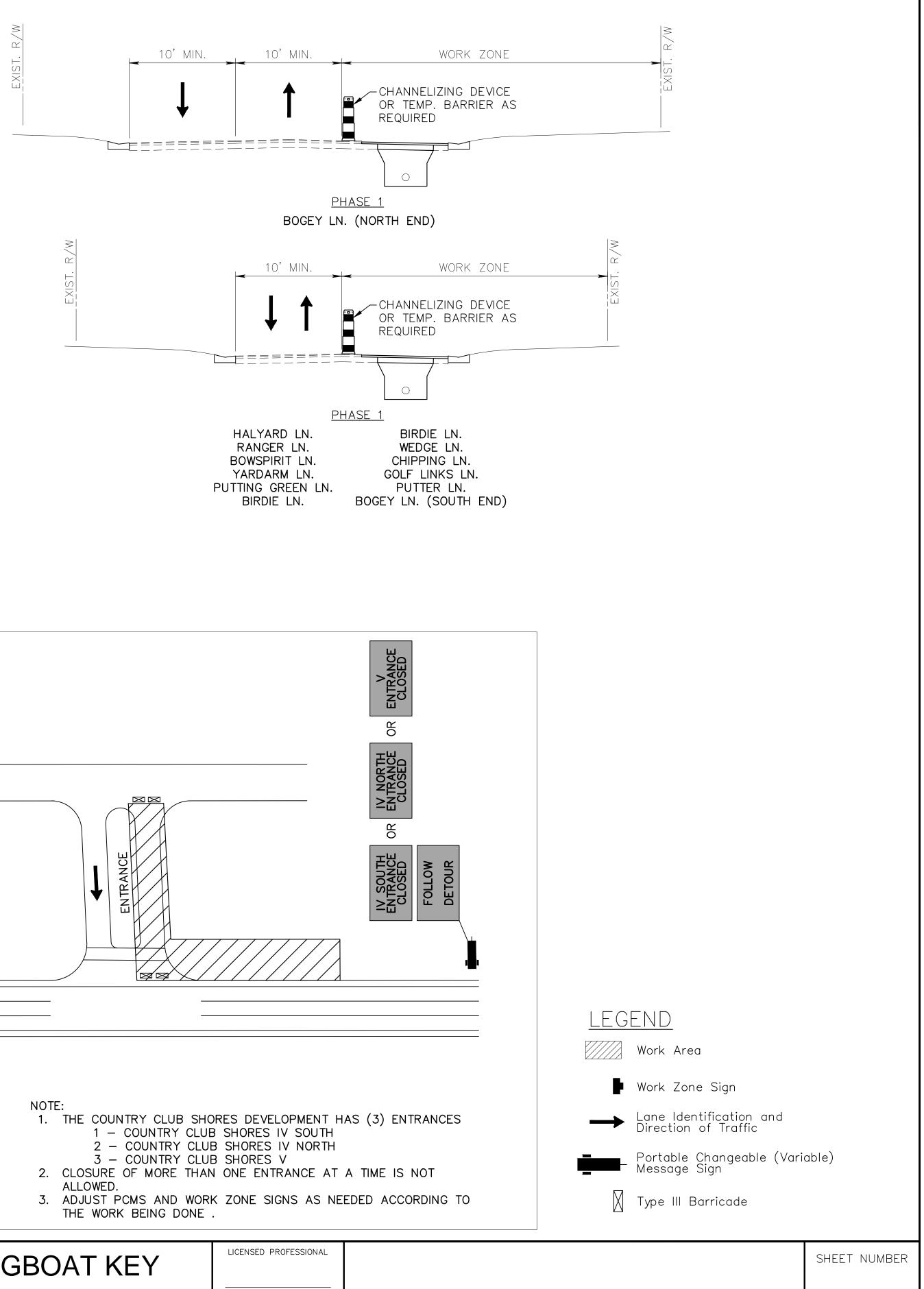


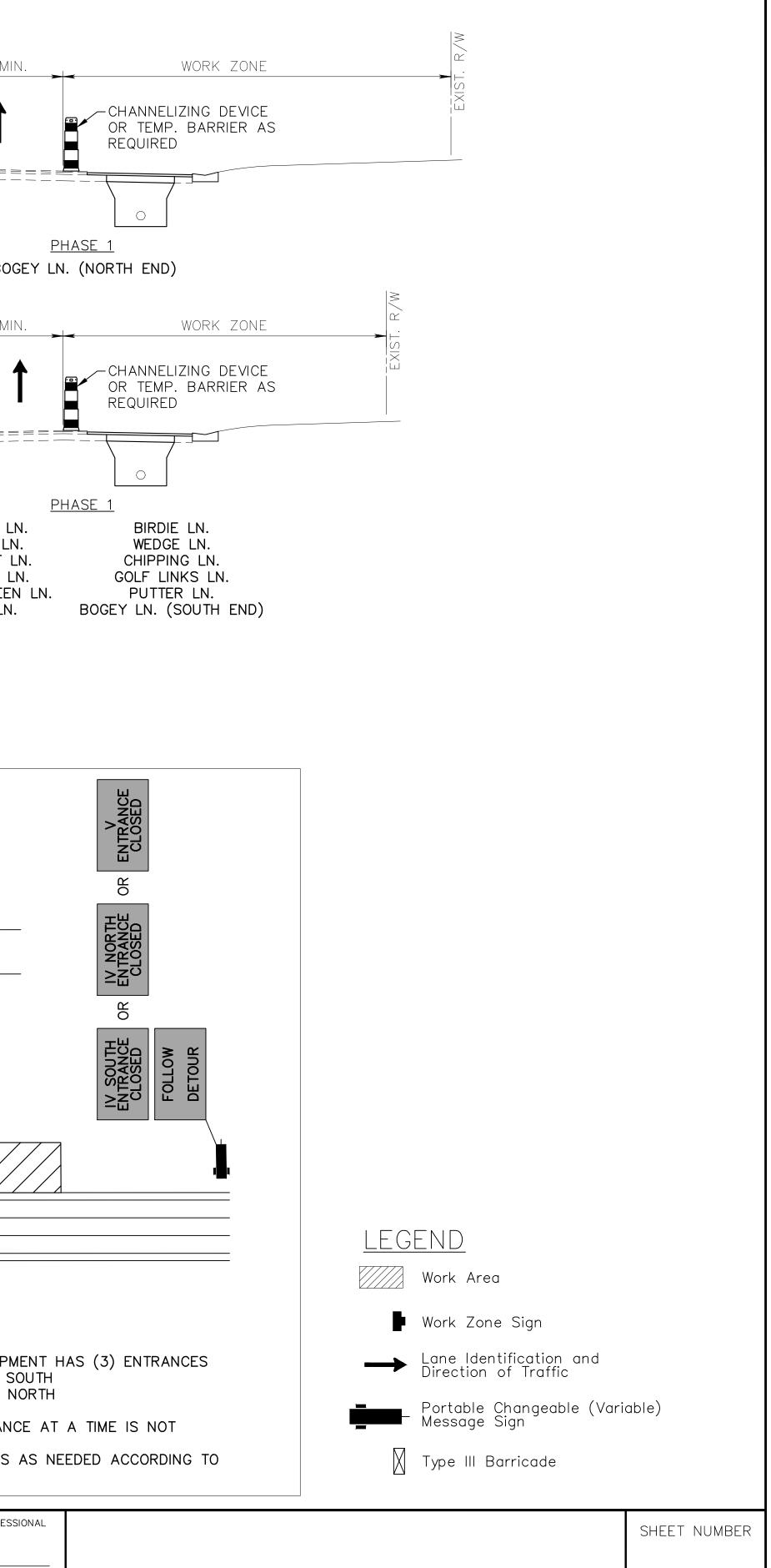


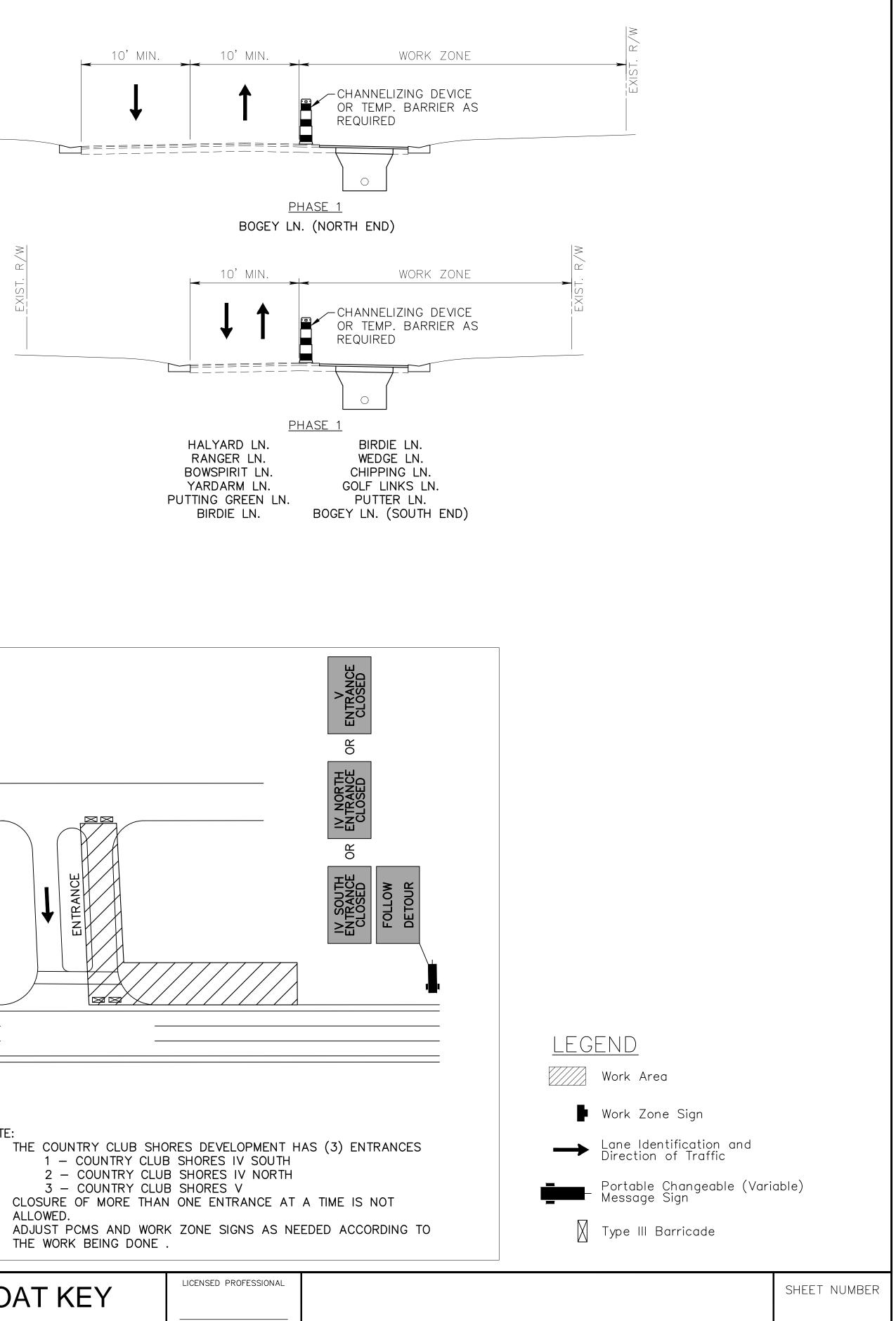
200' _____

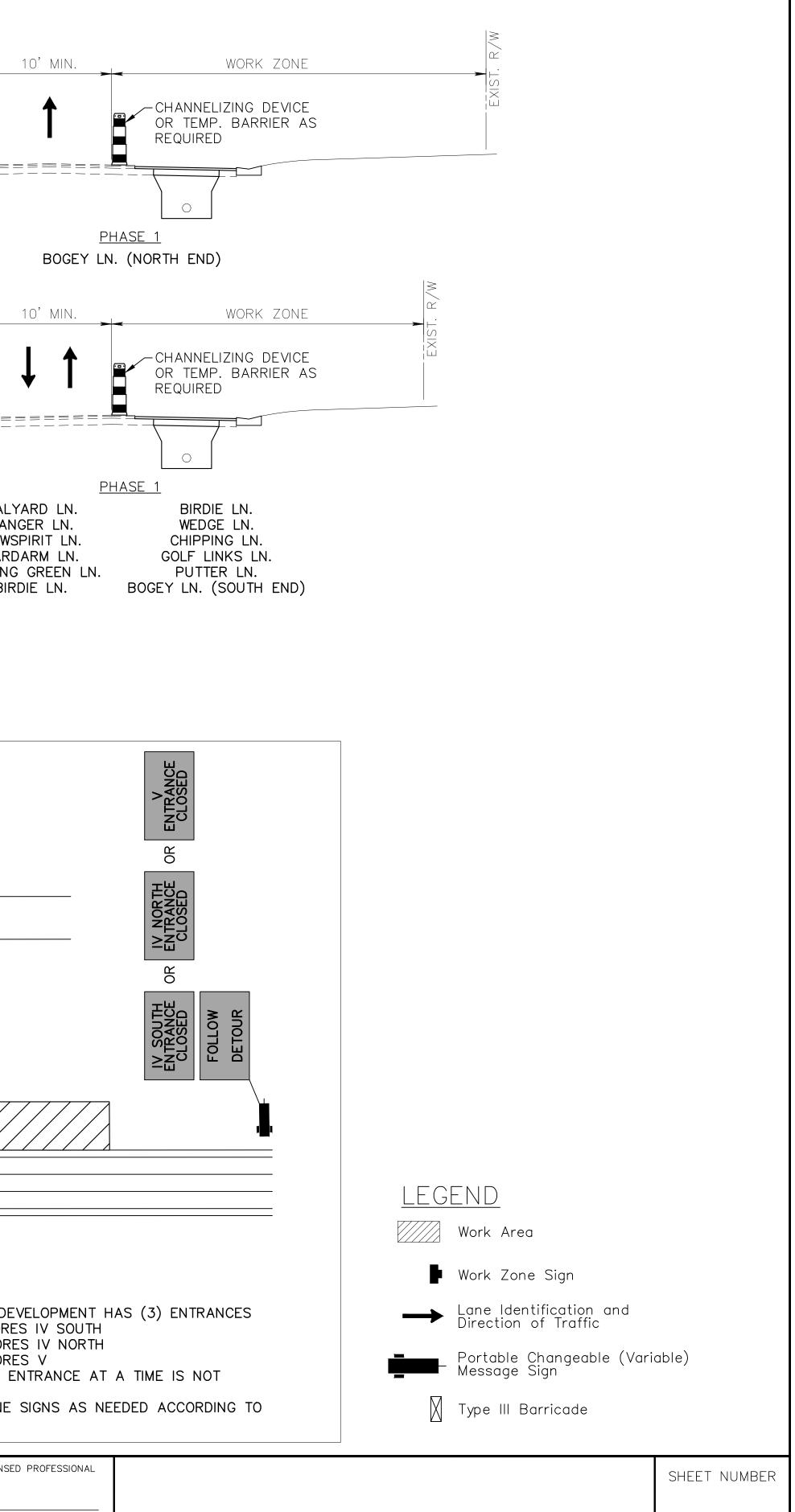


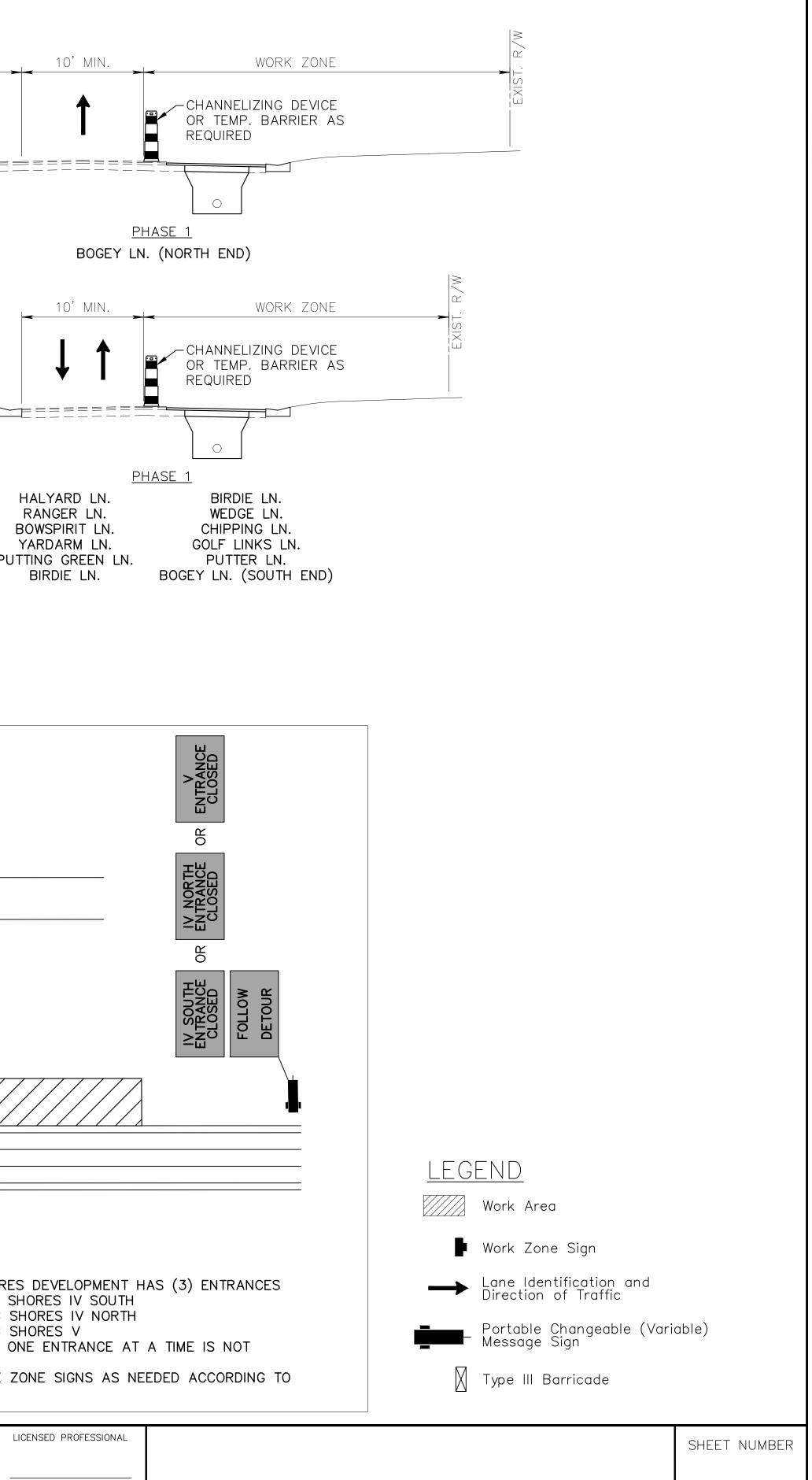
	IASE 1				
		RNING TRAFFIC CONT		ND DEVICE	ES AS SHOWN IN THE
2.	TTCP ADVANCE WAR PLACE WORK ZONE S IN THE PHASE 1 TYP	SIGNS, TYPE III BARF			ZING DEVICES AS SHOWN ROL MEASURES PER
3.	PLANS. UTILIZE THE	600 SERIES INDICES TRANSMISSION MAIN	AS NECESSAI	RY. And Back	FILL WHEN NECESSARY
	AS PROGRESS IS MA REMAINS DURING NO CONSTRUCTION AT A PROVIDE APRON WEE REQUIRED TO MEET	ADE THROUGH EACH DN-WORKING HOURS ALL DRIVEWAY CROSS DGING FOR DROP OFF ADA STANDARDS. RE	ÈORRIDOR SO WITHIN THE CL SINGS TO MAIN FS GREATER T ESTORE ALL GI	THAT NC LEAR ZON TAIN ACC HAN 1.5 RADING, S) DROP OFF HAZARD IE LIMITS. STAGE XESS AT ALL TIMES AND INCHES OR WHERE
4.		EMENT MARKINGS WE TRUCTION MARKINGS	HERE NEEDED).	TO STRU	CTURAL COURSE (MATCH
PH	IASE 2				
MIL	LING & RESURFACING	, AND PAVEMENT MA	RKINGS		
1.	PLACE ADVANCE WA TTCP ADVANCE WAR		TROL SIGNS AN	ND DEVICE	ES AS SHOWN IN THE
2.	PLACE WORK ZONE SERIES INDICES.	SIGNS AND CHANNEL	IZING DEVICES	AS REFE	ERENCED IN THE 600
3.	NECESSARY. APPLY	PAINTED PAVEMENT	MARKINGS AC	CORDING	
Л	REMOVE ALL TRAFFIC	IC MARKINGS.			
	IV SOUTH ENTRANCE OR ENTRANCE OR ENTRANCE CLOSED OR ENTRANCE CLOSED OR FOLLOW DETOUR				ENTRANCE EDIRANCE
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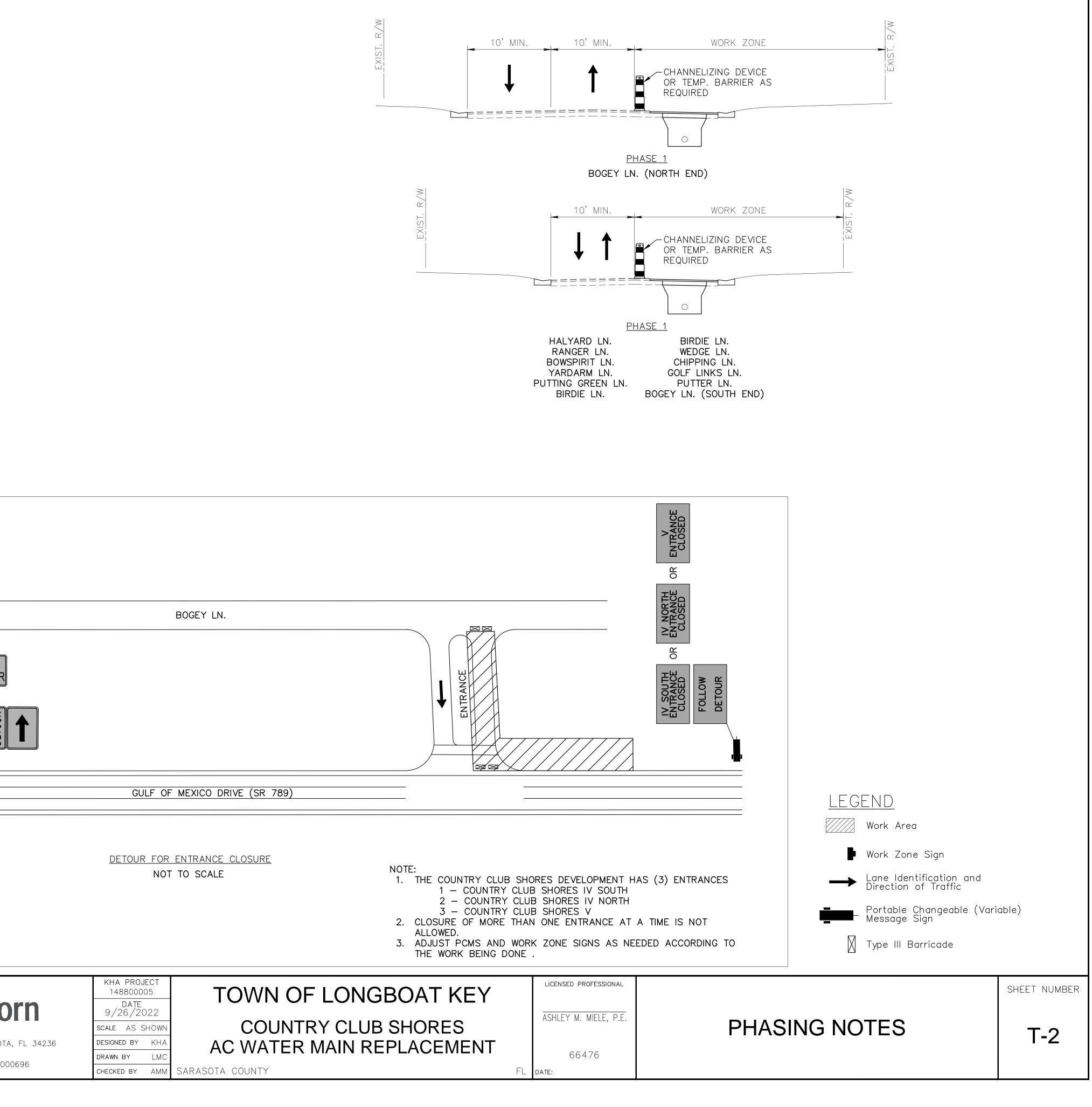


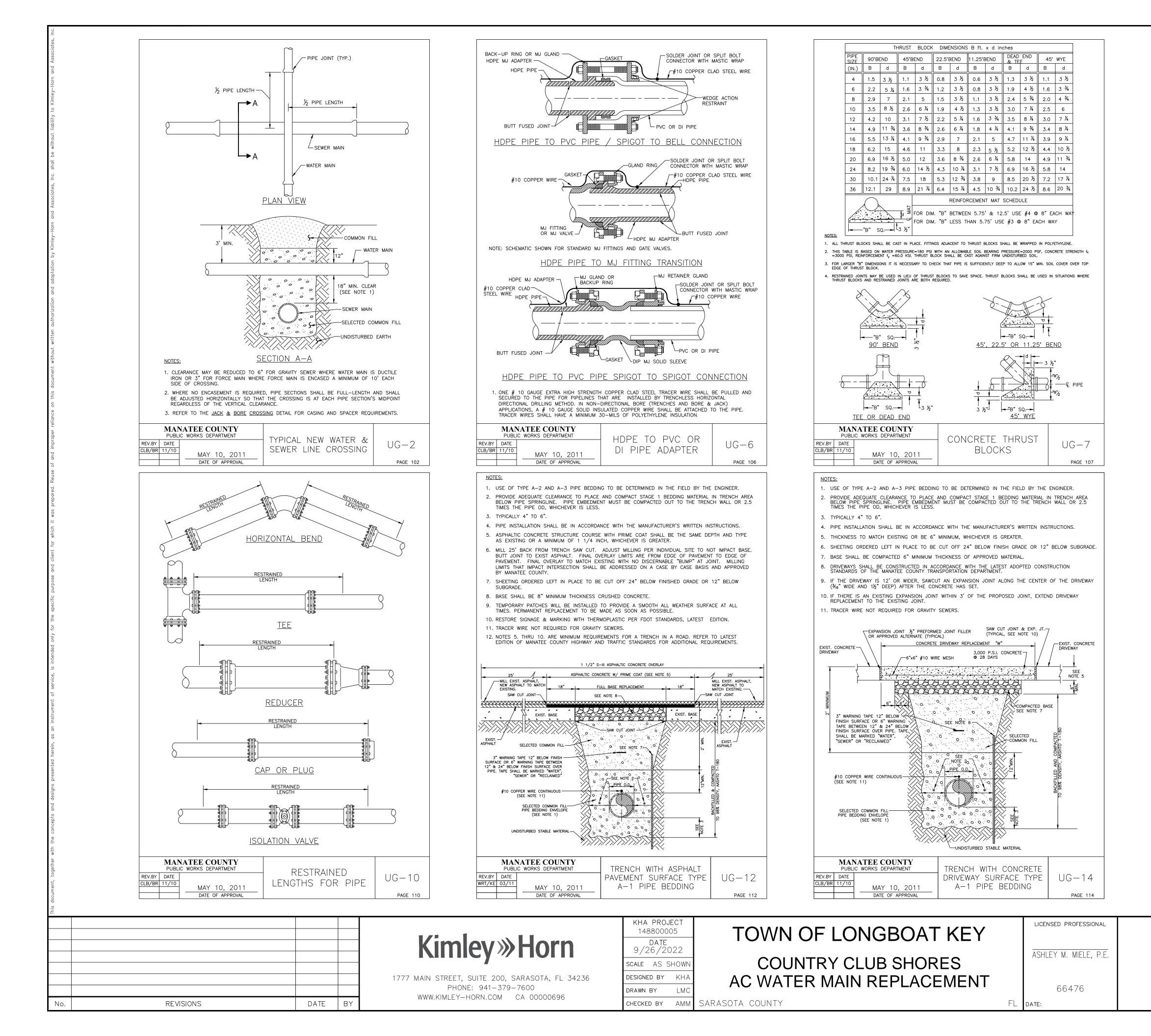










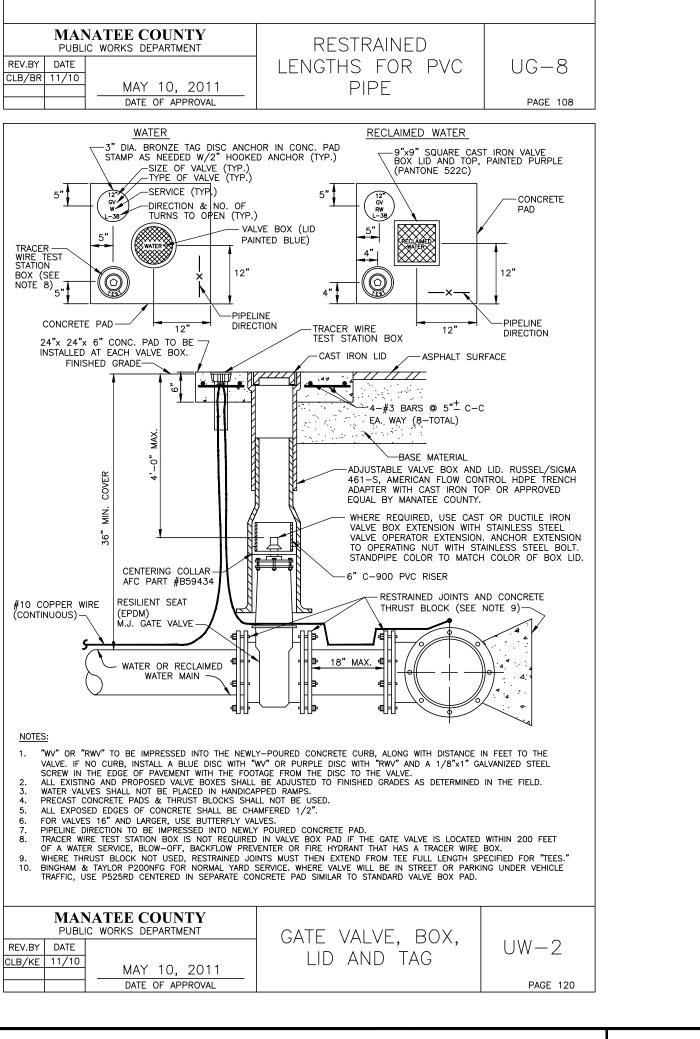


REQUIRED LENGTH OF RESTRAINED JOINT PIPE FOR DR-18 PVC PIPE

MAIN PIPE	H	HORI	Z. BE	INDS	TEES				REDUCERS			PLUGS & VALVES	
SIZE	g	90.	45 °	22.5 '		S	IZE LEN	IGTH		SIZE LENGTH			
24	ç	90	38	18	X24 169	X20 132	X16 90	X12 38	X10 6	X20 64	X16 117	X12 158	214
20	-	78	32	16	X20 141	X16 101	X12 53	X10 24	X8 1	X16 65	X12 115	X10 149	184
16	e	66	27	13	X16 111	X12 67	X10 41	X8 12		X12 64	X10 107	X8 111	151
12	Ę	52	22	10	X12 80	X10 56	X8 31	X6 1		X10 58	X8 62	X6 86	118
10	4	44	18	9	X10 63	X8 40	X6 7			X8 33	X6 61	X4 81	100
8		37	15	7	X8 49	X6 18	X4 1			X6 35	X4 60		83
6	1	29	12	6	X6 29	X4 1				X4 33			63
4		21	8	4	X4 12								45

NOTES:

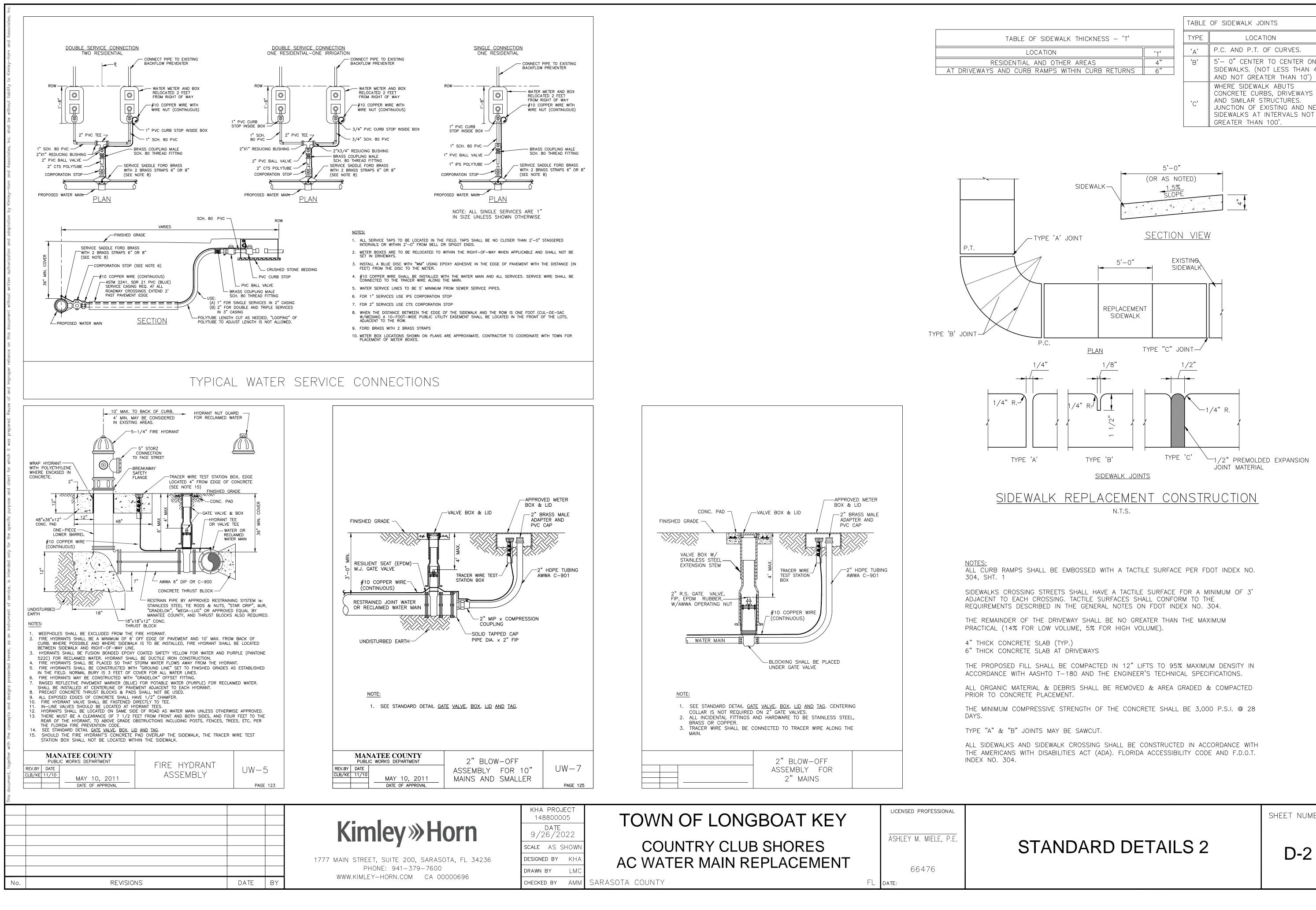
- 1. RESTRAIN 11.25' BENDS 50% OF LENGTH FOR 22.5' BENDS.
- 2. ALL VALVES AND FITTINGS SHALL BE RESTRAINED TO THE CONNECTINGSECTIONS OF PIPE.
- 3. ALL ISOLATIONVALVES MUST BE PROPERLY ANCHORED OR RESTRAINED TO RESIST A 180 PSI TEST PRESSURE IN EITHER DIRECTION.
- 4. PIPE SIZES ARE GIVEN IN INCHES.
- 5. RESTRAINED PIPE LENGTHS ARE GIVEN IN FEET.
- 6. LENGTHS SHOWN ARE FOR A TEST PRESURE OF 180 PSI.
- 7. THE RESTRAINED LENGTHS SHOWN IN THESE TABLES ARE BASED ON SOIL CLASSIFICATION SP WITH AWWA TYPE 3 TRENCH CONDITIONS, 180 PSI TEST PRESSURE, 3 FEET OF COVER AND 1.5 FACTOR OF SAFTEY. ACTUAL BURY CONDITIONS MUST BE DETERMINED BY THE ENGINEER OF RECORD AND THE RESTRAINED LENGTHS MODIFIED ACCORDINGLY.
- 8. RESTRAINED LENGTHS TO BE APPLIED TO PIPELINES PER DETAIL <u>RESTRAINED</u> <u>LENGTHS FOR PIPE.</u>



SHEET NUMBER

D-1

STANDARD DETAILS



SHEET NUMBER

5'- 0" CENTER TO CENTER ON SIDEWALKS. (NOT LESS THAN 4' AND NOT GREATER THAN 10') CONCRETE CURBS, DRIVEWAYS JUNCTION OF EXISTING AND NEW SIDEWALKS AT INTERVALS NOT