



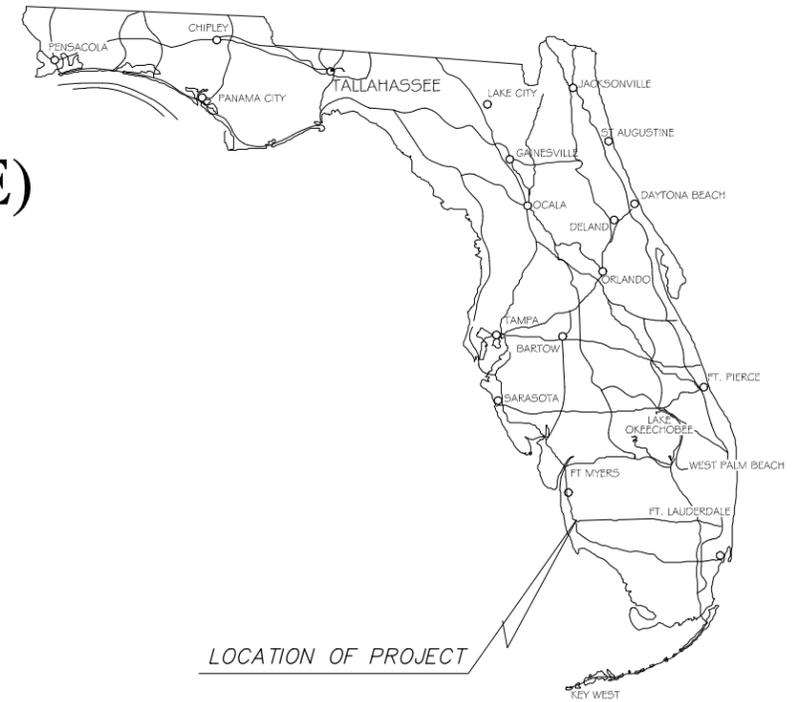
CONSTRUCTION PLANS PELICAN BAY PHASE 1 (KATEMORE, LISMORE & ARDMORE) WATER MAIN IMPROVEMENTS

FOR
COLLIER COUNTY UTILITIES

LOCATED IN
SECTION 04; TOWNSHIP 49 SOUTH; RANGE 25 EAST
COLLIER COUNTY, FLORIDA

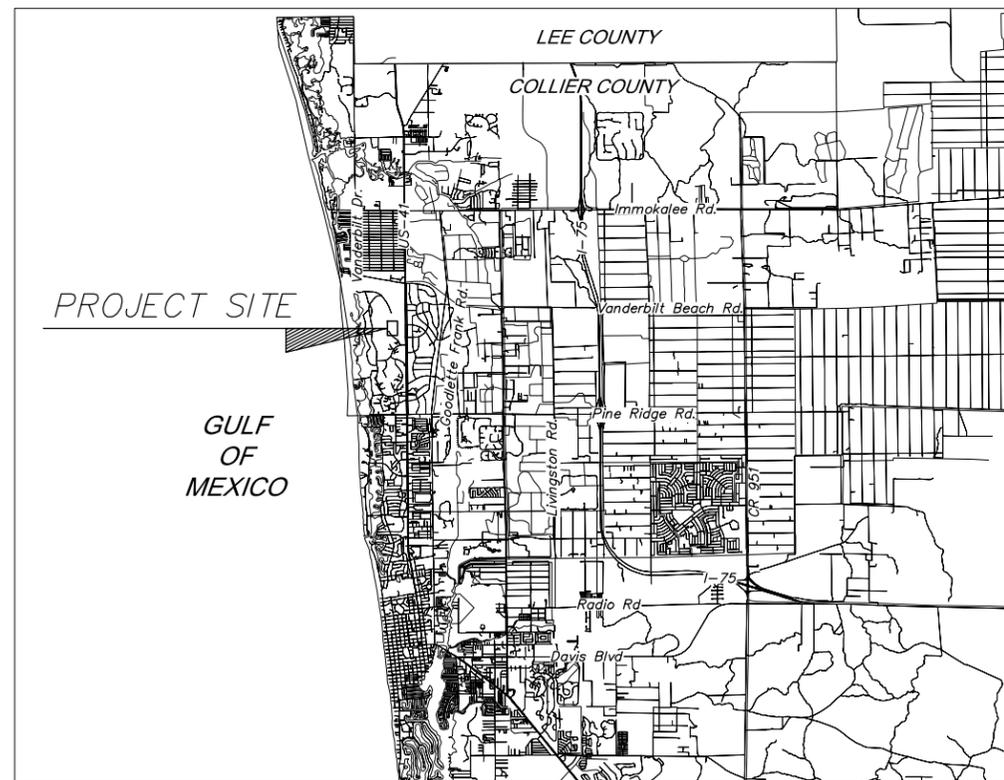
JANUARY 1, 2026

COLLIER COUNTY CONTRACT NO. XXXX
COLLIER COUNTY DESIGN PROJECT NO. XXXX
COLLIER COUNTY CONSTRUCTION PROJECT NO. XXXX



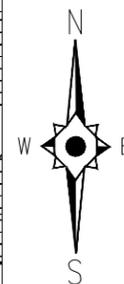
LOCATION OF PROJECT

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PROJECT SITE

GULF OF MEXICO



LOCATION MAP
N.T.S.

NOT FOR CONSTRUCTION

For Information Regarding
This Project, Contact:
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DESIGN CONSULTANT



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Pelican Bay Phase 1
(Katemoore, Lismore & Ardmore)
Water Main Improvements
Collier County, Florida

NO.	DATE	DESCRIPTION

DATE: JANUARY 1, 2026
PROJECT NO. 25011908
FILE NO. 04-49-25
SCALE: AS SHOWN

Cover

SHEET NUMBER

01

TRAFFIC CONTROL NOTES:

- ACCESS ONTO EXISTING STREETS AND DRIVES SHALL BE MAINTAINED AT ALL TIMES TO LOCAL TRAFFIC, DELIVERY VEHICLES, POSTAL VEHICLES, EMERGENCY VEHICLES, PUBLIC TRANSPORTATION, SOLID WASTE & RECYCLING VEHICLES, AND PROPERTY OWNERS, RESPECTIVELY. CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES ON PUBLIC OR PRIVATE ROADWAYS.
- TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT STANDARD PLANS, INDEX 102-600 SERIES.
- WHERE FLAGGER AND WORKER SIGNS ARE USED, THE SIGNS SHALL BE COVERED OR REMOVED DURING PERIODS WHEN CONSTRUCTION OPERATIONS ARE SUSPENDED SUCH AS NIGHTS, WEEKENDS, AND HOLIDAYS.
- PLACEMENT OF ALL CONSTRUCTION SIGNS SHALL BE FIELD LOCATED TO NOT BE IN CONFLICT WITH EXISTING SIGNS. EXISTING SIGNS NOT IN USE OR IN CONFLICT WITH LANE OR ROAD CLOSURE SHALL BE COVERED TEMPORARILY.
- LANE CLOSURES SHALL BE SCHEDULED AS FOLLOWS:
 - ONE TRAVEL LANE SHALL BE KEPT OPEN FOR EACH DIRECTION WITHIN THE WORK AREA THROUGHOUT THE DURATION OF CONSTRUCTION, EXCEPT WHEN A ROAD CLOSURE IS PERMITTED BY THE COUNTY.
 - THE LOCATION AND DURATION OF EACH LANE CLOSURE INCLUDING TURN LANES, SHALL BE APPROVED BY THE COUNTY NO WORK SHALL BE DONE REQUIRING A LANE CLOSURE BETWEEN THE FOLLOWING HOURS:
 - FROM 7:00 AM TO 9:00 AM, AND 4:00PM TO 6:00 PM, MONDAY THROUGH FRIDAY, UNLESS APPROVED BY COUNTY.
 - WEEKENDS, HOLIDAYS, AND SPECIAL EVENT DAYS, AS PERMITTED BY THE COUNTY.
 - EMERGENCIES AS DEEMED NECESSARY BY COLLIER COUNTY EMERGENCY MANAGEMENT, LAW ENFORCEMENT AUTHORITIES OR THE COUNTY
 - IF A ROAD CLOSURE IS AUTHORIZED BY COLLIER COUNTY, NO OTHER LANE BLOCKAGE IS ALLOWED WITHIN THE BLOCK OF THE ROADWAY BEING CLOSED.
- THE MINIMUM WIDTH OF ANY TRAVEL LANE AT ANY TIME SHALL BE 10 FEET.
- LEFT TURN LANES SHALL BE PROVIDED DURING ALL PHASES OF CONSTRUCTION WHERE A LEFT TURN LANE IS EXISTING.
- THE CONTRACTOR SHALL PHASE CONSTRUCTION OPERATIONS IN SUCH A WAY THAT WILL MAINTAIN EXISTING ACCESS TO ALL SIDE STREETS AND DRIVEWAYS AT ALL TIMES. A FLAGGER SHALL BE USED WHEN 2-WAY ACCESS, E.G. LANE CLOSURES TO A SIDE STREET IS NOT PROVIDED TO DIRECT VEHICLES ENTERING OR EXITING THE SIDE STREET. ADDITIONAL FLAGGERS MAY BE NECESSARY WHEN THE WORK ZONE INCLUDES A SIDE STREET.
- UTILITY RELOCATION WORK SHALL BE COORDINATED BY THE CONTRACTOR TO AVOID ANY CONFLICT WITH THE VARIOUS PHASES OF THE TRAFFIC CONTROL PLAN.
- EXISTING ROADWAY PATCHING SHALL BE COMPLETE IN CONJUNCTION WITH WATER, STORMWATER, AND WASTEWATER CONSTRUCTION. FINAL OVERLAY SHALL NOT BE STARTED UNTIL ALL TESTING OF WATER & WASTEWATER SYSTEMS ARE COMPLETED, NEW SERVICES (WATER & WASTEWATER) ARE INSTALLED, & EXISTING WATER, WASTEWATER, & STORMWATER MAINS ARE ABANDONED OR REMOVED. EXISTING PAVEMENT SHALL BE MILLED ADJACENT TO CURB, GUTTERS, & OTHER IDENTIFIED LOCATIONS. SEE STRIPING PLANS FOR STRIPING REQUIREMENTS. TEMPORARY STRIPING (PAINTED) SHALL BE INSTALLED IMMEDIATELY FOLLOWING OVERLAY. FOLLOWING 30 DAY ASPHALT CURING TIME, THE PERMANENT THERMO-PLASTIC STRIPING SHALL BE INSTALLED. CONTRACTOR SHALL FIELD VERIFY REQUIREMENTS WITH OWNER & COLLIER COUNTY RIGHT-OF-WAY PRIOR TO STRIPING.
- ALL SIGN RELATED WORK TO BE COORDINATED WITH FELIX BURGOS, 239-252-5179, TO MAINTAIN INTEGRITY OF OUR SIGN ASSET DATABASE. CONTRACTOR TO FOLLOW TRAFFIC OPERATIONS SIGNING AND PAVEMENT MARKINGS SPECIAL PROVISION DETAILS WHICH INDICATE USING A 2.5' X 2.5' GALVANIZED METAL SQUARE TUBULAR SIGNPOST.
- THE CONTRACTOR SHALL REPLACE ALL SIGNS WITH NEW SIGNS, POSTS, AND HARDWARE TO MEET CURRENT COLLIER COUNTY AND FDOT SPECIFICATIONS/STANDARDS. ALL REMOVED SIGNS SHALL BE RETURNED TO COLLIER COUNTY TRAFFIC OPERATIONS AT 2885 HORSESHOE DRIVE SOUTH, NAPLES, FL 34104.

DRIVEWAY NOTES:

- CONSTRUCTION JOINTS SHALL BE PROVIDED DIRECTLY OVER CULVERT PIPES IF LESS THAN 9' OF COVER IS PROVIDED OVER CULVERT PIPES.
- EXISTING DRIVEWAY APRONS SHALL BE REMOVED & REPLACED AS SHOWN ON PLANS. CONCRETE DRIVE APRONS SHALL BE SAW CUT OR REMOVED TO CONSTRUCTION JOINT AS DIRECTED BY COLLIER COUNTY, CEI, AND/OR ENGINEER OF RECORD.
- EXISTING PAVER BLOCK DRIVES SHALL BE REMOVED & EXISTING PAVER BLOCKS STOCKPILED, SHRINK WRAPPED AND PROTECTED FROM DAMAGE ON SITE. UPON COMPLETION OF UTILITY IMPROVEMENTS AT SPECIFIC LOCATION, THE PAVER BLOCK DRIVE SHALL BE IMMEDIATELY RESTORED IN ACCORDANCE WITH THE REQUIREMENTS & SPECIFICATIONS OF THE COLLIER COUNTY ISSUED RIGHT-OF-WAY PERMIT. ANY DAMAGED PAVER BLOCKS SHALL BE REPLACED TO MATCH EXISTING.
- EXISTING GRAVEL, DIRT, & CONCRETE DRIVEWAYS SHALL BE RESTORED WITH REINFORCED CONCRETE TO THE EDGE OF THE RIGHT-OF-WAY, UNLESS OTHERWISE DIRECTED BY THE COUNTY. ASPHALT DRIVEWAYS SHALL BE REPLACED WITH ASPHALT. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS & SPECIFICATIONS OF THE COLLIER COUNTY RIGHT-OF-WAY PERMIT. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: MINIMUM WIDTH AND TAPER CRITERIA AS REQUIRED AND MATERIALS OF CONSTRUCTION. GRADE OF DRIVEWAYS AND ADJACENT SURFACE SHALL BE ADJUSTED FOR DRAINAGE IMPROVEMENTS.
- ALL REMOVED DRIVEWAYS SHALL HAVE LIMEROCK, #57 STONE, OR TEMPORARY ASPHALT PLACED TO PROVIDE A STABILIZED SURFACE DURING CONSTRUCTION ON THE SAME DAY THE DRIVEWAY IS REMOVED. THE CONTRACTOR SHALL MAINTAIN THE TEMPORARY DRIVEWAY SURFACES THROUGHOUT THE DURATION OF CONSTRUCTION UNTIL THE DRIVEWAY SURFACES ARE REPLACED TO MATCH PRECONSTRUCTION CONDITIONS (OR BETTER).
- SOD SHALL BE PLACED SUCH THAT THE FINISHED (CUT) ELEVATION OF THE SOD IS LOWER THAN THE FINISHED ELEVATION OF ALL DRIVEWAYS, ROADWAYS, AND SIDEWALKS.

STORMWATER NOTES:

- THIS SET OF PLANS HAD BEEN PREPARED IN GENERAL ACCORDANCE WITH THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM, LATEST EDITION.
- THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- THE OWNER HAS OBTAINED THE S.F.W.M.D. PERMIT AS REQUIRED FOR CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN F.D.E.P. GENERIC STORMWATER NOI PERMIT FOR THE PROJECT & A COLLIER COUNTY RIGHT-OF-WAY PERMIT (COUNTY R.O.W HAS PRE-REVIEWED THE PLANS AND OWNER WILL PROVIDE SIGNED & SEALED COPIES FOR THE R.O.W. PERMIT). COPIES OF ALL PERMITS SHALL BE PROVIDED TO THE OWNER.
- FILL SHALL BE PROVIDED AS NECESSARY TO TRANSITION UP TO DRIVEWAYS, ADJACENT TO EXISTING DRAINAGE FEATURES (CATCH BASINS, DITCHES) AND TO MATCH EXISTING LAWN GRADES. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS WORK, THE COST IS INCIDENTAL TO THE DRAINAGE IMPROVEMENT CONSTRUCTION.
- CONTRACTOR SHALL RELOCATE OR ADJUST UTILITY VALVES, ELECTRICAL POLES, AND FENCES IN CONFLICT WITH THE PROPOSED STORMWATER CONSTRUCTION. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS WORK; THE COST IS INCIDENTAL TO DRAINAGE IMPROVEMENT CONSTRUCTION.
- WHERE NEW DRAINAGE STRUCTURES AND PIPES ARE INSTALLED, EXISTING SWALES SHALL BE REGRADED AS REQUIRED FOR A UNIFORM SLOPE OF NO GREATER THAN 6:1, UNLESS OTHERWISE NOTED.
- DRAINAGE SHALL GENERALLY CONFORM TO EXISTING GRADE AND SHALL NOT CAUSE RESTRICTIONS TO OVERLAND FLOW OF DIRECTED BY THE OWNER.
- ALL EXISTING CULVERT PIPES DESIGNATED TO REMAIN SHALL BE INSPECTED BY THE CONTRACTOR, COUNTY R/W, AND OWNER. ALL CULVERT PIPE SHALL BE CLEANED AS NECESSARY AND DIRECTED. CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING EXISTING AND NEW CULVERT PIPE CLEAN OF ALL SILT UNTIL ACCEPTANCE OF THE PROJECT.
- ALL SWALE GRADES ARE FINISHED, SODDED GRADES.
- THE SLOPE OF ALL MITERED END SECTIONS (M.E.S.) ARE TO MATCH THE GRADED SLOPE OF THE ADJACENT DITCH BANK UP TO A MAXIMUM SLOPE OF 2.5 TO 1, HORIZONTAL TO VERTICAL.
- PIPE SOCK - SHALL BE DELIVERED AND INSTALLED PER FDOT SPECIFICATION 948-8 - FILTER FABRIC SOCK FOR USE WITH UNDERDRAIN. FIELD REPAIRS TO THE SOCK SHALL BE MADE PER MANUFACTURER'S SPECIFICATIONS.
- ALL CATCH BASINS WILL INCLUDE A TWO (2) FOOT DEEP SUMP, UNLESS OTHERWISE DEPICTED.
- ALL CATCH BASIN GRATES WILL BE CAST IRON (UNLESS OTHERWISE SPECIFIED) WITH LOCKING CHAINS, IN ACCORDANCE WITH FDOT INDEX 425.
- EXISTING DRAINAGE STRUCTURES & PIPING WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THESE PLANS OR AS SPECIFIED BY THE ENGINEER. CARE SHALL BE TAKEN IN ALL WORK NEAR EXISTING FACILITIES.
- EXISTING DRAINAGE SWALES SHALL BE REGRADED AS INDICATED ON THESE PLANS & AS NECESSARY AS A RESULT OF THE UTILITY PLANS OR AS SPECIFIED BY THE ENGINEER. CARE SHALL BE TAKEN IN ALL WORK NEAR EXISTING FACILITIES.
- LD RIM ELEVATIONS DEPICTED IN THE DRAWINGS ARE APPROXIMATE. THE EXACT RIM ELEVATIONS SHALL BE FIELD DETERMINED PER THE MAXIMUM SLOPES AS DEFINED IN THE CONTRACT DOCUMENTS.

WATER and WASTEWATER NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, ROADWAY AND TRAFFIC STANDARDS, (LATEST EDITION), COLLIER COUNTY'S DEVELOPMENT STANDARDS AND SPECIFICATIONS, AND COLLIER COUNTY WATER-SEWER DISTRICT UTILITIES STANDARDS MANUAL.
- OWNER HAS OBTAINED ALL F.D.E.P. WATER AND WASTEWATER CONSTRUCTION PERMITS.
- ALL COLLIER COUNTY WATER-SEWER DISTRICT UTILITIES (DESIGN CRITERIA, SPECIFICATIONS, AND DETAILS) ARE APPLICABLE TO THIS PROJECT AND ARE MADE PART OF THE CONTRACT DOCUMENTS BY REFERENCE TO CURRENT COUNTY UTILITY STANDARDS, LOCATED AT THE FOLLOWING WEB ADDRESS: <https://www.colliercountyfl.gov/government/public-utilities/water-sewer-district/engineering-and-project-management/resources> IN THE EVENT OF CONFLICT BETWEEN THE COUNTY UTILITY STANDARDS AND THESE SPECIFICATIONS AND DRAWINGS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
- ADJUST ALL WATER METER LOCATIONS TO PROPERTY LINE PER DETAIL W-12. LOCATED ON THE WATER DETAILS SHEET. CONTRACTOR SHALL AT NO ADDITIONAL COST HAVE A LICENSED PLUMBER RELOCATE SERVICE PIPING ON PRIVATE PROPERTY FROM EXISTING METER LOCATION TO PROPOSED METER LOCATION WITH SCH. 80 P.V.C. PIPING, MATCH EXISTING SIZE, 1" MINIMUM. ALL SERVICE PIPING UNDER DRIVEWAYS SHALL BE WITHIN A 4" SCH. 80 CASING.
- ALL VACANT PROPERTIES SHALL RECEIVE A SERVICE LINE AND METER BOX WITH A LOCKED CURB STOP IN THE METER BOX.
- ALL WATER SERVICES (METER, METER BOX, BACKFLOW, ETC.) SHALL BE LEVELED AND PLUMBED AFTER INSTALLATION. METER BOXES SHALL BE KEPT FREE OF DEBRIS AND METERS SHALL REMAIN ACCESSIBLE THROUGHOUT THE DURATION OF THE PROJECT. WATER SERVICE PIPING SHALL BE DEFLECTED/ADJUSTED AS NEEDED AROUND PROPOSED STORMWATER IMPROVEMENTS, INCLUDING STRUCTURES.
- NEW WATER MAIN AND SERVICE PIPING (FROM MAIN TO CURB STOP AT METER) SHALL BE CONSTRUCTED, PRESSURE TESTED, FULL BORE FLUSHED, & BACTERIOLOGICALLY CLEARED FROM F.D.E.P. CONTRACTOR SHALL COORDINATE ALL WATER SYSTEM SAMPLING WITH COUNTY. UPON F.D.E.P. CLEARANCE, WATER MAIN SHALL BE PLACED INTO SERVICE. NEW WATER SERVICES SHALL BE CONNECTED TO THE PRIVATE WATER SERVICE PIPING (COORDINATE TEMPORARY SHUTDOWNS WITH INDIVIDUAL OWNERS) ONCE THE WATER SYSTEM IS CLEARED FOR USE. EXISTING WATER MAINS SHALL REMAIN IN SERVICE FOR ONE (1) WEEK TO ALLOW VERIFICATION OF RECONNECTION OF ALL SERVICES (COUNTY WILL TEMPORARILY SHUT DOWN LINE FOR VERIFICATION). UPON VERIFICATION, CONTRACTOR CAN COMPLETE ABANDONMENT OF EXISTING WATER MAINS. PRIOR TO BEGINNING PRESSURE TESTING OF WATER MAINS, CONTRACTOR TO ENSURE ALL AIR HAS BEEN REMOVED FROM THE MAIN AND THE WATER MAIN HAS PASSED A TWO (2) HOUR MINIMUM PRETEST.
- WATER MAIN DISINFECTION SHALL BE PER AWWA C651 (CURRENT EDITION) AND COLLIER COUNTY TECHNICAL SPECIFICATION 025400, WHICH REQUIRES BACTERIAL SAMPLING POINTS AT THE BEGINNING OF EACH NEW MAIN TO BE CLEARED FOR USE. AT 1000-FOOT INTERVALS, AND ALL DEAD ENDS. PERMANENT SAMPLING POINTS ARE REQUIRED EVERY 3000 FEET OR ONE AT 2/3 OF THE LENGTH FROM THE POINT OF CONNECTION IF THE NEW WATER MAIN IS LESS THAN 3000 FEET LONG.
- ALL POTABLE LINES 4" OR LARGER SHALL BE AWWA C-900 OR DR-18 P.V.C., UNLESS OTHERWISE NOTED. ALL LINES SMALLER THAN 4" SHALL BE SCH 80 POTABLE WATER LINES LOCATED UNDER PAVEMENT AND NON-RESIDENTIAL DRIVEWAYS SHALL BE AWWA C-900, CLASS 200, DR18, UNLESS OTHERWISE NOTED. WATER SERVICES SHALL BE POLYETHYLENE ONE AND A HALF INCHES IN DIAMETER.
- CONTRACTOR SHALL USE 45° BENDS WITH MEGALUGS AT CONFLICTS WITH RESTRAINTS PER DETAIL G-4.
- NOT ALL PROPOSED BENDS ARE SHOWN IN THE PROPOSED WATER LINE. ADDITIONAL FITTINGS MAY BE REQUIRED TO BEND THE WATER LINE AS REQUIRED.
- PROPOSED FIRE HYDRANTS SHALL BE LOCATED AS SHOWN ON UTILITY DETAIL SHEETS. THE CONTRACTOR SHALL PROVIDE AND INSTALL REFLECTIVE PAVEMENT MARKERS PER COLLIER COUNTY STANDARDS AT PROPOSED FIRE HYDRANTS.
- THE TOP OF ALL WATER LINES SHALL BE LOCATED A MINIMUM OF 30" AND A MAXIMUM OF 48" BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED.

- CONTRACTOR TO FOLLOW DETAILS W-12 & W-12A WHEN INSTALLING WATER SERVICES, UNLESS NOTED ON PLANS. ALL WATER SERVICES ARE TO BE 2" PER PLANS.
- EXISTING ASBESTOS CEMENT (A.C.) PIPE IS TO BE REMOVED AND DISPOSED OF PER COLLIER COUNTY REQUIREMENTS AND AT AN APPROVED F.D.E.P. SITE. ALL PROCEDURES FOR EXCAVATION, LISTING OF SAFETY EQUIPMENT, TRACKING TO A LANDFILL, AND LOADING OF THE WATER MAIN SHALL BE PROVIDED TO THE COUNTY WASTE STAFF FOR APPROVAL PRIOR TO WORK STARTING ON THE PROJECT. EACH INDIVIDUAL PIECE OF EXISTING WATER MAIN SHALL BE INDIVIDUALLY DOUBLE WRAPPED PER COLLIER COUNTY STANDARDS.
- THE CONTRACTOR SHALL PLACE PROPOSED VALVES AS SHOWN. THE VALVE BOX SHALL NOT BE PLACED IN PAVEMENT OF DRIVEWAY AREAS, UNLESS OTHERWISE NOTED.
- AFTER SERVICES ARE CONNECTED TO A RESIDENCE, THE CONTRACTOR SHALL FLUSH THE SYSTEM USING A SPIGOT LOCATED ON THE OUTSIDE OF THE HOME, WITH THE PROPERTY OWNERS' PERMISSION.
- IN CASE OF ANY SERVICE INTERRUPTION DUE TO THE CONTRACTOR'S ACTIVITIES, THE WATER DEPARTMENT WILL CALL THE CONTRACTOR, AND IF THEY DO NOT RESPOND VIA PHONE WITHIN 1 HOUR AND ARRIVE ONSITE WITHIN THE SECOND HOUR, THE COUNTY WILL COMPLETE THE REPAIR AND INVOICE THE CONTRACTOR. THE CONTRACTOR WILL BE INVOICED ON A TIME AND MATERIAL (T&M) BASIS, WITH A MINIMUM OF 2 HOURS AT \$82 AN HOUR. PRIVATE WATER CHARGES AS A RESULT OF THE CONTRACTORS WORK SHALL BE PAID FOR BY THE CONTRACTOR.
- LOCATION MARKERS ARE TO BE PLACED AT THE FOLLOWING LOCATIONS:
 - EVERY ON HUNDRED (100) FEET ALONG THE PROPOSED WATER MAIN
 - ONE (1) AT EVERY SERVICE LATERAL END
 - ONE (1) AT EVERY FITTING, BEND, OR CHANGE IN ALIGNMENT, AND VALVES
 - TWO (2) ON LONG SERVICES ONE AT MAIN, ONE NEAR ROAD
 - ONE (1) ON SHORT SERVICES NEAR THE ROAD
- NOT ALL KNOWN EXISTING SANITARY LATERALS AND WATER SERVICES ARE SHOWN. THE CONTRACTOR SHALL RECONNECT ALL EXISTING LATERALS AND SERVICES WHETHER SHOWN OR NOT. ALL LATERALS AND SERVICES SHALL BE REPLACED WITH NEW MATERIAL TO THE RIGHT-OF-WAY AND INCLUDE A CLEANOUT ON EACH SEWER LATERAL. WHEN CLAY LATERALS ARE ENCOUNTERED, THEY SHALL BE REPLACED WITH P.V.C. UNTIL PVC IS ENCOUNTERED OR TO THE HOUSE CLEANOUT, AS DIRECTED BY THE EOR AND COUNTY. CONTRACTOR TO COORDINATE WITH PROPERTY OWNER AND COLLIER COUNTY FOR ACCESS TO PRIVATE PROPERTY VIA SIGNED RIGHT OF ENTRY FORMS.
- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL LOCATE (HORIZONTAL & VERTICAL) ALL EXISTING SANITARY SEWER LATERALS AND NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCY BETWEEN THE LOCATIONS DEPICTED IN THE DRAWINGS. PROPOSED SANITARY SEWER LATERAL LOCATIONS SHALL BE MODIFIED BY THE CONTRACTOR AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER. ADDITIONALLY, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY CONFLICTS BETWEEN THE EXISTING OR PROPOSED SANITARY SEWER LATERALS AND EXISTING OR PROPOSED WATER, WASTEWATER, OR STORMWATER FACILITIES (INCLUDING STORMWATER STRUCTURES). PROPOSED FACILITIES SHALL BE ADJUSTED BY THE CONTRACTOR AS NECESSARY TO AVOID EXISTING OR PROPOSED SANITARY SEWER LATERALS AT NO ADDITIONAL COST TO THE OWNER. MOLDED P.V.C. FITTINGS SHALL BE USED TO CONNECT THE SERVICE LATERAL TO THE EXISTING P.V.C. PRIVATE SEWER SERVICE. NEOPRENE BOOTS MAY ONLY BE USED IF THE PRIVATE SEWER LATERAL IS CLAY AT THE CONNECTION POINT DETERMINED BY THE EOR AND OWNER.
- CONTRACTOR TO VERIFY ELEVATIONS OF EXISTING AND PROPOSED PIPE INVERTS CONNECTING TO MANHOLES PRIOR TO MANHOLE FABRICATION.
- DESIGN IS BASED UPON A SURVEY PERFORMED BY GRADYMINOR FROM 2021. DESIGN IS ALSO BASED ON GRAVITY SEWER RECORD DRAWINGS DATED 1976.
- CONTRACTOR TO UTILIZE METALIZED TAPE AND MARKER BALLS FOR ALL UNDERGROUND PIPING PER COUNTY STANDARDS. ADDITIONALLY, ALL PRESSURE PIPING AND SERVICES LARGER THAN 2" SHALL BE INSTALLED WITH A #12 AWG LOCATING TONE WIRE.
- CONTRACTOR SHALL INSTALL AIR RELEASE VALVES AT ALL HIGH POINTS AS DETERMINED BY THE APPROVED AS-BUILT PROFILE IN ADDITION TO THE AIR RELEASE VALVES SHOWN ON THE DRAWINGS.
- CONTRACTOR TO LOCATE EXISTING/PROPOSED SAN. SEWER SERVICES, AS WELL AS ANY STORMWATER CONFLICTS, AND DEFLECT WATER MAIN AS REQUIRED TO AVOID CONFLICTS.
- ALL REINFORCED POLYMER CONCRETE MANHOLES SHALL HAVE A 2-INCH (MINIMUM) FACTORY CAST CONCRETE COLLAR AT THE MANHOLE BASE.
- MINIMUM ACCESS DIAMETER FOR MANHOLES RING AND COVERS IS 24-INCHES PER FDEP REQUIREMENTS.
- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL LOCATE BY POT HOLING OR SOFT DIGGING ALL UTILITIES WITHIN THE LIMITS OF THE PROJECT AND PROVIDE THE COUNTY, EOR, AND CEI A REPORT (BEFORE CONSTRUCTION) OF THE FINDINGS AT EACH LOCATION THAT INCLUDES THE STATION AND OFFSET, LOCATION, UTILITY TYPE, DEPTH FROM GRADE, SIZE, MATERIAL, DATE, TIME, AND A MINIMUM OF (2) PICTURES (AN OVERALL SITE PICTURE AND A PICTURE OF THE UTILITY FOUND). THE CONTRACTOR SHALL MARK THE FOUND UTILITY WITH A WOODEN LATH AND RIBBON, WITH THE UTILITY TYPE FOUND, SIZE, AND DEPTH WRITTEN ON THE LATH.

COLLIER COUNTY PUBLIC UTILITIES STANDARD DETAIL NOTES:

ALL REFERENCES TO COLLIER COUNTY PUBLIC UTILITIES STANDARD DETAILS ARE FROM THE CURRENT COLLIER COUNTY UTILITIES OPERATION AND MAINTENANCE MANUAL. THESE STANDARD DETAILS WERE PREPARED BY OR AT THE DIRECTION OF COLLIER COUNTY AND WERE FURNISHED TO JOHNSON ENGINEERING, INC.

THE DESIGN STANDARDS REFERENCED WITHIN THIS PLAN SET HAVE BEEN INCORPORATED HEREIN VERBATIM AS SET FORTH WITHIN THE ABOVE REFERENCED COLLIER COUNTY OPERATION AND MAINTENANCE MANUAL.

ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD 88). CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) IS + 1.25.

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Pelican Bay Phase 1
(Katmore, Lismore & Ardmore)
Water Main Improvements
Collier County, Florida

NO.	DESCRIPTION	DATE

DATE: JANUARY 1, 2026
PROJECT NO. 25011908
FILE NO. 04-49-25
SCALE: AS SHOWN

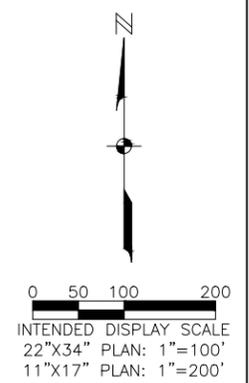
Construction Plans
Notes (Continued)

SHEET NUMBER

03

\\fms01\Drawings\2025\25011908\Utilities\Drawings\25011908_Ph1_Cover.dwg (Notes & Legends (2)) Michael.Tisee Dec. 23, 2025 - 2:37pm

\\fms01\Drawings\25011908\Utilities\Drawings\25011908_Ph1_PP.dwg (Key Map) Michael, Tracy Dec 23, 2025 - 2:36pm



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Pelican Bay Phase 1
(Katemore, Lismore & Ardmore)
Water Main Improvements
Collier County, Florida

NO.	REVISIONS DESCRIPTION	DATE

DATE: JANUARY 1, 2026
PROJECT NO. 25011908
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Construction Plans

Key Map

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Pelican Bay Phase 1
 (Katemore, Lismore & Ardmore)
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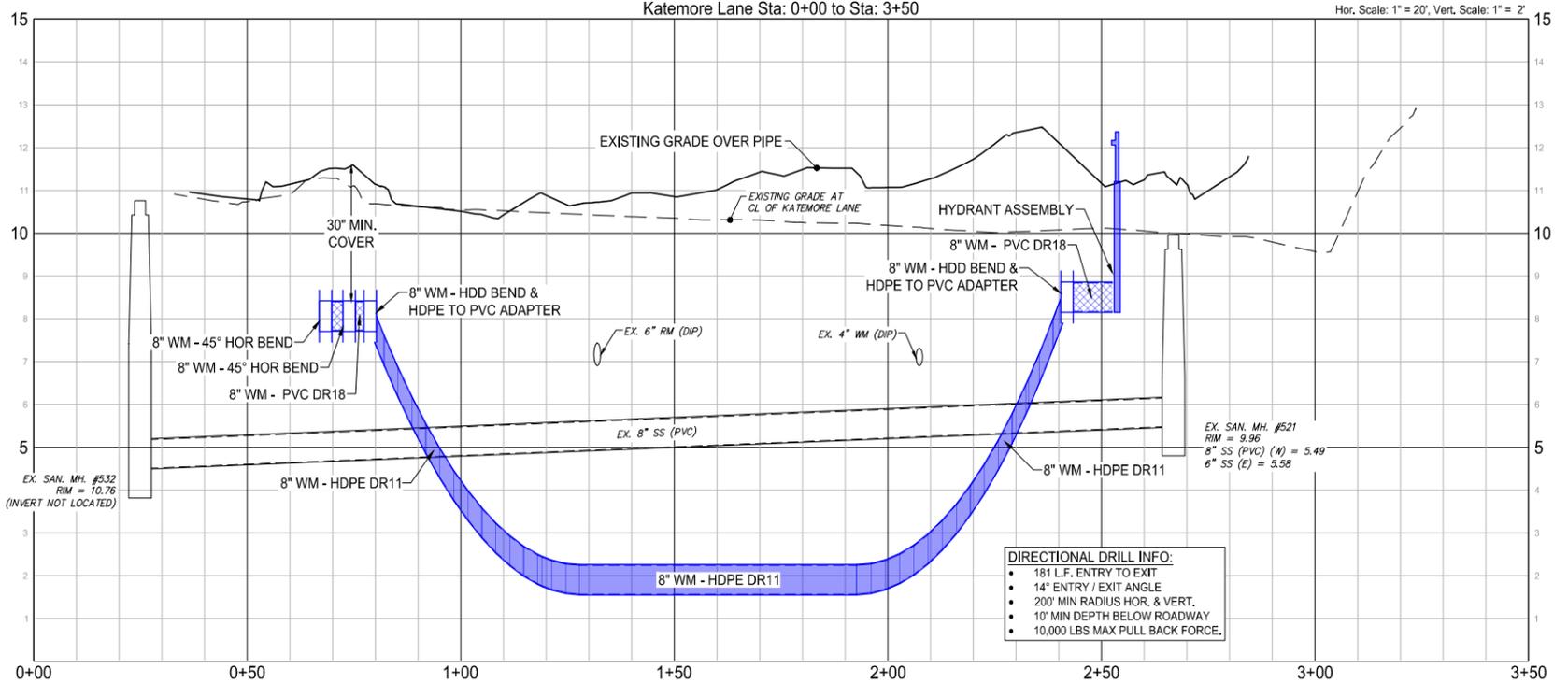
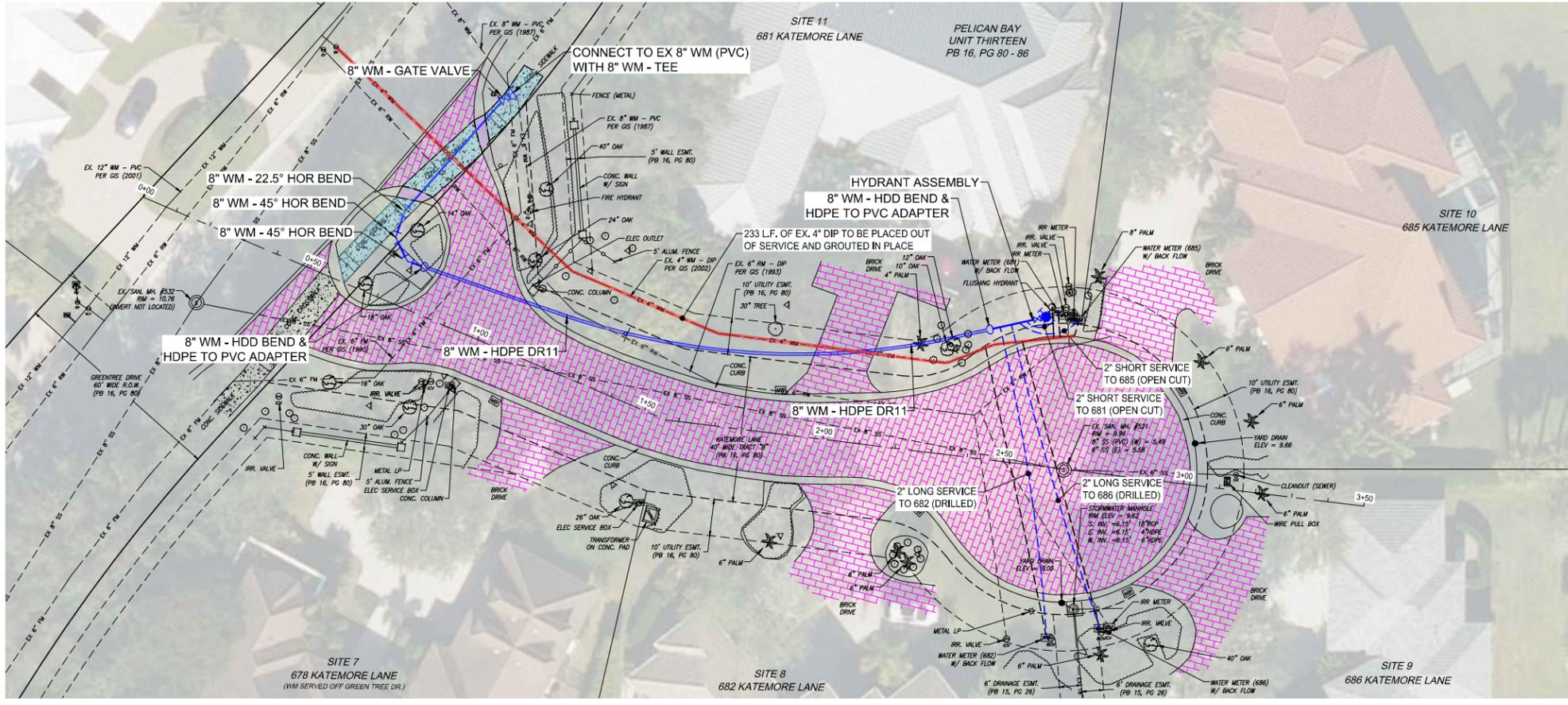
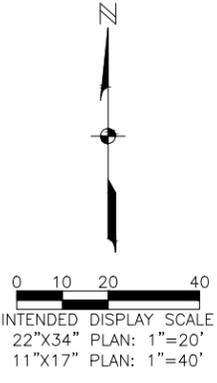
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Construction Plans
 Plan & Profile
 Katemore Lane

SHEET NUMBER

05



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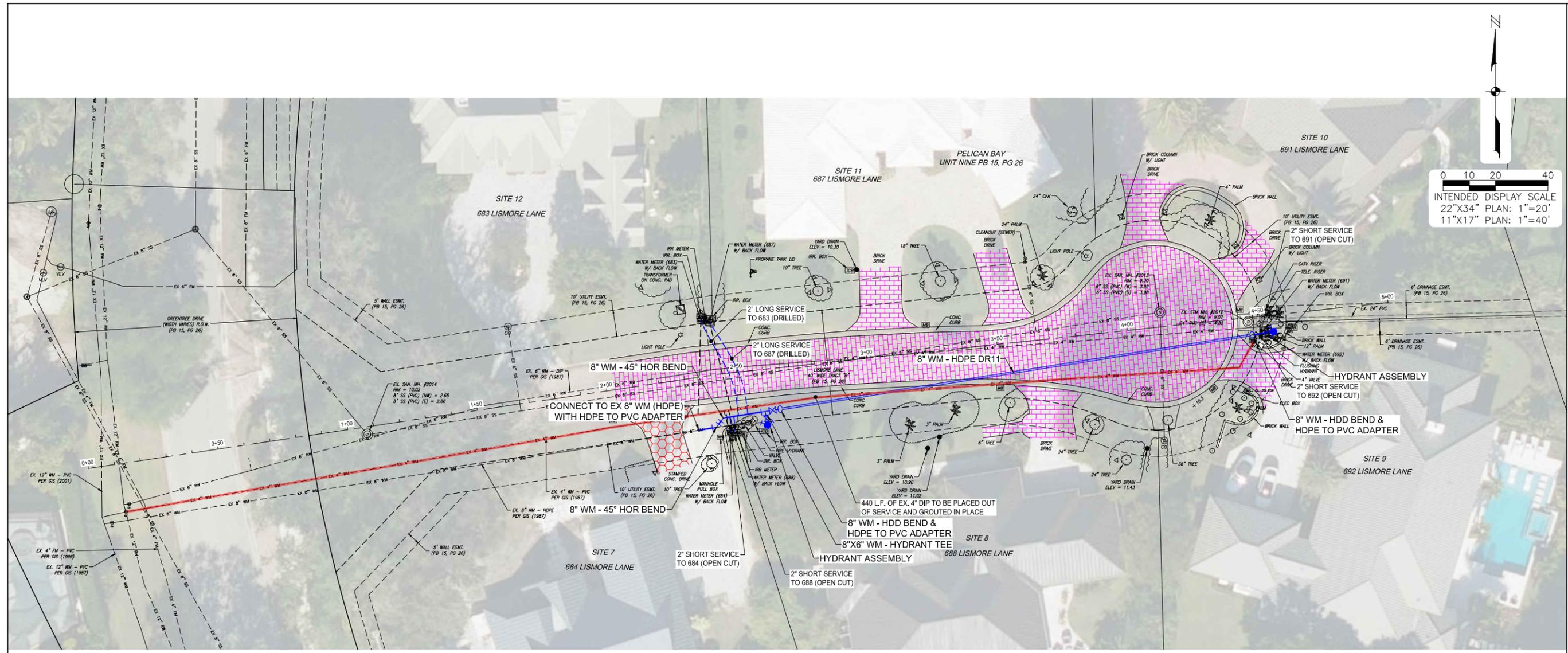
Pelican Bay Phase 1
 (Katamore, Lismore & Ardmore)
 Water Main Improvements
 Collier County, Florida

NO.	DESCRIPTION	DATE

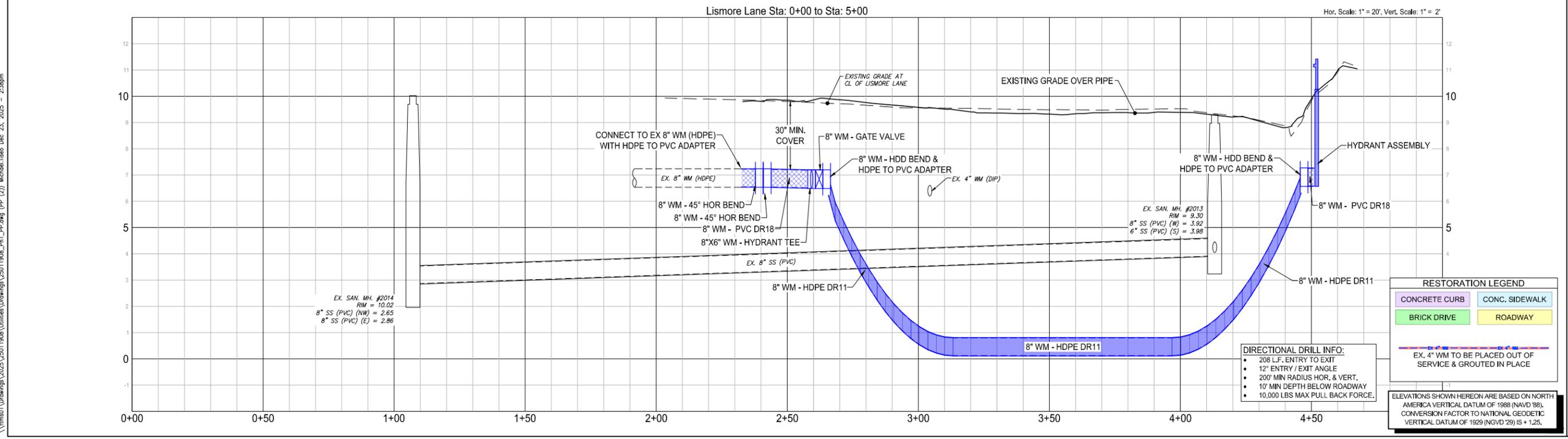
DATE: JANUARY 1, 2026
 PROJECT NO. 25011908
 FILE NO. 04-49-25
 SCALE: AS SHOWN

Construction Plans
 Plan & Profile
 Lismore Lane

SHEET NUMBER

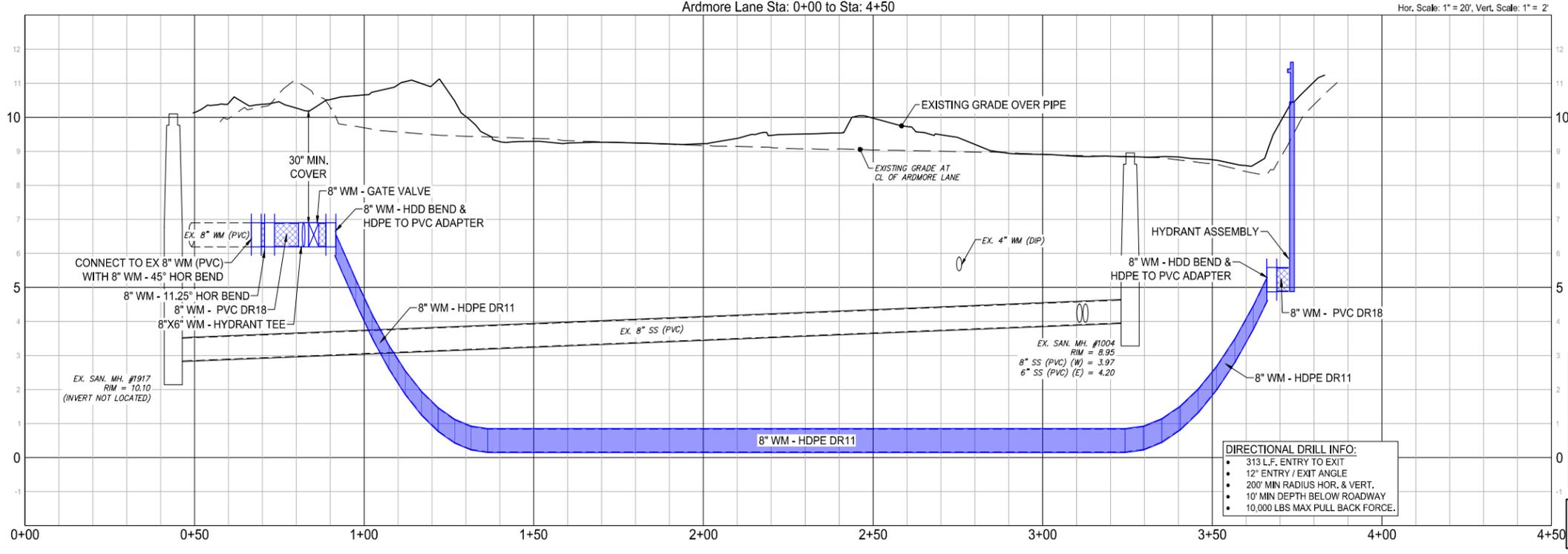
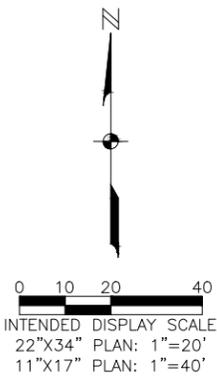
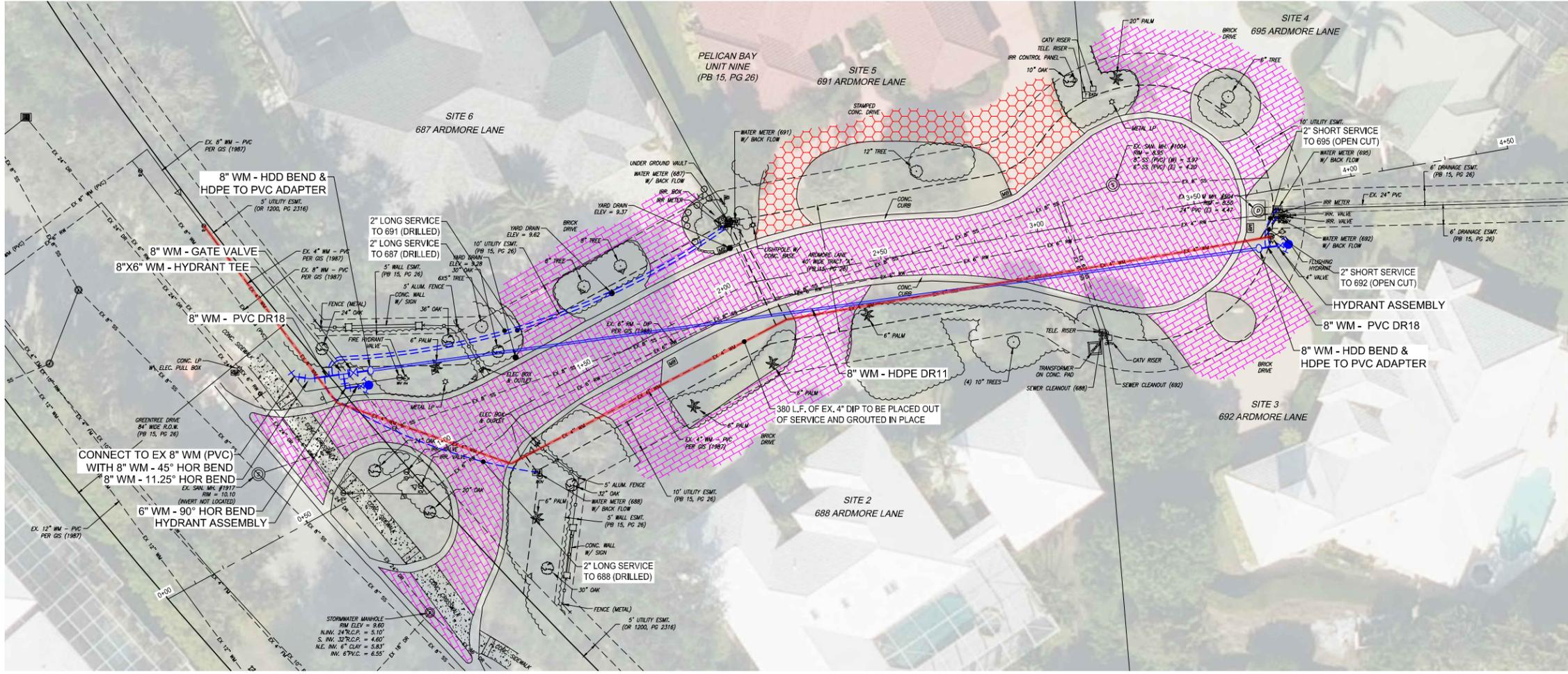


0 10 20 40
 INTENDED DISPLAY SCALE
 22"x34" PLAN: 1"=20'
 11"x17" PLAN: 1"=40'



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Pelican Bay Phase 1
 (Katamore, Lismore & Ardmore)
 Water Main Improvements
 Collier County, Florida



RESTORATION LEGEND

CONCRETE CURB	CONC. SIDEWALK
BRICK DRIVE	ROADWAY

DIRECTIONAL DRILL INFO:

- 313 L.F. ENTRY TO EXIT
- 12° ENTRY / EXIT ANGLE
- 200' MIN RADIUS HOR. & VERT.
- 10' MIN DEPTH BELOW ROADWAY
- 10,000 LBS MAX PULL BACK FORCE.

ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD 88). CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) IS + 1.25.

NO.	REVISIONS DESCRIPTION	DATE

DATE: JANUARY 1, 2026
 PROJECT NO.: 25011908
 FILE NO.: 04-49-25
 SCALE: AS SHOWN

Construction Plans
 Plan & Profile
 Ardmore Lane

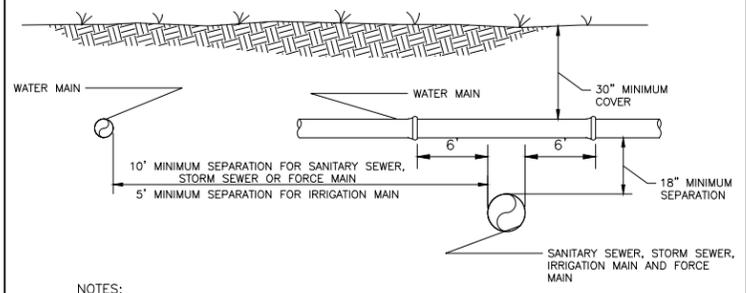
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NO.	REVISIONS DESCRIPTION	DATE

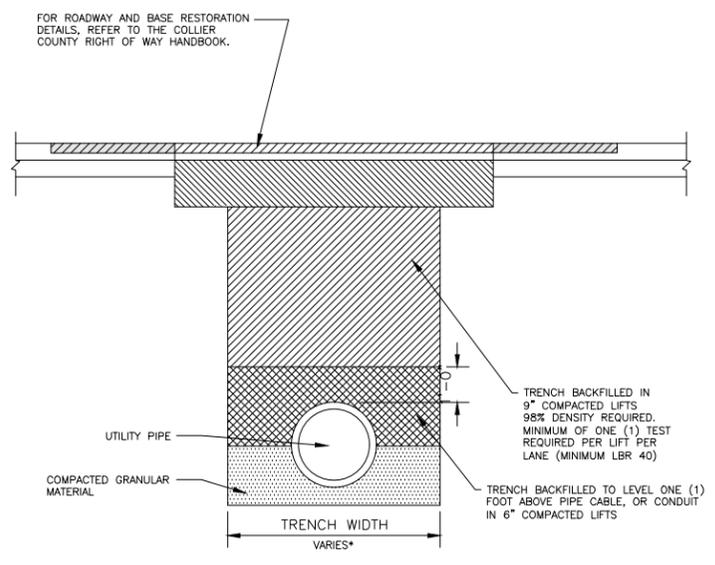
DATE: JANUARY 1, 2026
 PROJECT NO. 25011908
 FILE NO. 04-49-25
 SCALE: AS SHOWN

Construction Plans
 Collier County Details
 1 of 4



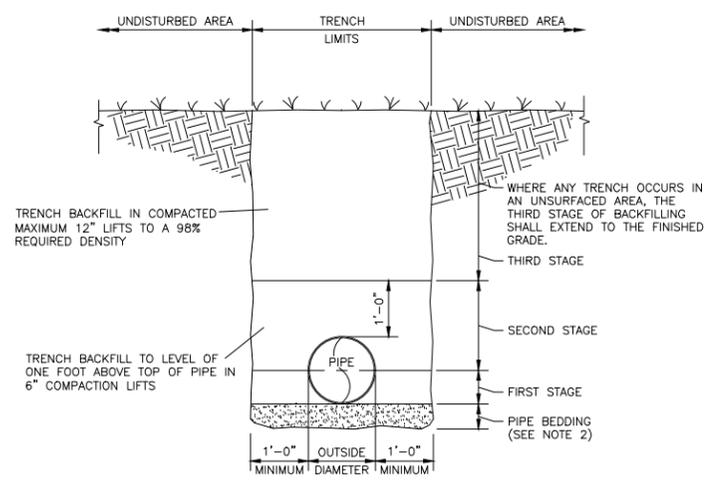
- NOTES:**
1. WATER MAINS SHALL BE SEPARATED FROM STORM SEWER, SANITARY SEWER, NON-POTABLE IRRIGATION MAINS, AND FORCE MAINS BY A MINIMUM CLEAR VERTICAL DISTANCE OF 18 INCHES MEASURED BETWEEN THE BOTTOM OF THE UPPER PIPE AND THE TOP OF THE LOWER PIPE. THE 18 INCHES MINIMUM VERTICAL SEPARATION DISTANCE DOES NOT APPLY TO SEPARATIONS OF SEWER LATERALS AND POTABLE WATER MAIN PIPELINE INSTALLATIONS. ALSO, WATER MAINS SHALL BE SEPARATED FROM STORM SEWER, SANITARY SEWER AND FORCE MAINS BY 10 FEET AND FROM IRRIGATION MAINS BY 5 FEET MEASURED HORIZONTALLY BETWEEN OUTSIDE OF PIPES.
 2. ALL CROSSINGS WITH VERTICAL CLEARANCE LESS THAN 18 INCHES SHALL REQUIRE SUBMISSION AND APPROVAL OF A DEVIATION. IF A DEVIATION IS SUBMITTED, THE FOLLOWING MINIMUM STIPULATIONS APPLY: THE CROSSING SHALL BE MADE USING A FULL LENGTH OF THICKNESS CLASS 200 (DR14) AWWA C-900 PVC OR CLASS 235 (DR18) AWWA C-905 PVC PIPE CENTERED ON THE CROSSING.
 3. 18 INCHES CLEAR DISTANCE SHALL NOT BE REDUCED IN CASES WHERE WATER CROSSES UNDER SEWER LINE.
 4. WATER MAINS, SANITARY SEWER, STORM SEWER, AND NON-POTABLE IRRIGATION MAINS SHALL BE IN SEPARATE TRENCHES.
 5. WATER MAINS CROSSING ANY TYPE OF SANITARY SEWER, INCLUDING FORCE MAIN, OR STORM SEWER SHALL HAVE THE ONE FULL LENGTH OF WATER MAIN CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THAT THE WATER JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, FAC, AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610.
 6. IF THE VERTICAL SEPARATION BETWEEN GRAVITY SANITARY SEWER AND STORMWATER LINES IS LESS THAN 18 INCHES, THEN 57 STONE SHALL BE UTILIZED BETWEEN THE TWO LINES.
 7. SEE SECTION 1- DESIGN CRITERIA FOR ADDITIONAL REQUIREMENTS.

PIPE SEPARATION DETAIL
 NTS
 REVISION DATE: JULY 2018
 SHEET NO. G-3



- NOTES:**
1. ALL MODIFIED PROCTOR AND DENSITY TESTS SHALL BE TAKEN BY A CERTIFIED LABORATORY.
 2. ALL TESTS SHALL BE COMPLETED AND SHALL MEET MINIMUM DENSITY REQUIREMENTS PRIOR TO ADDITIONAL BACKFILLING.
 3. RIGHT-OF-WAY PERMIT STIPULATIONS OVERRIDE THIS DETAIL WHERE TRENCH IS LOCATED WITHIN A COUNTY RIGHT-OF-WAY.
 4. ASPHALT PATCH AND TAPERS MUST BE FLUSH WITH ADJACENT ASPHALT AND CURBING.

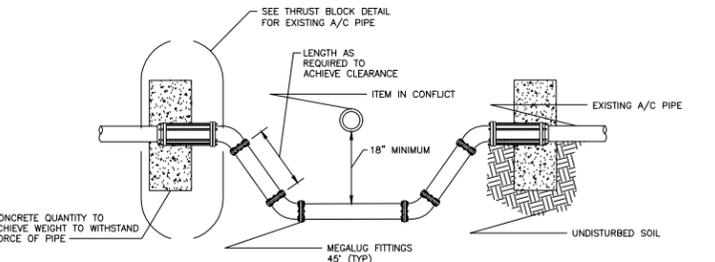
ROAD AND TRENCH RESTORATION FOR LOCAL ROADS
 NTS
 REVISION DATE: JULY 2018
 SHEET NO. G-2B



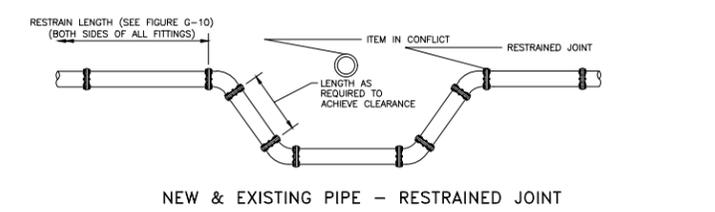
- NOTES:**
1. BACKFILL SHALL BE OF SUITABLE MATERIAL REMOVED FROM EXCAVATION EXCEPT WHERE OTHER MATERIAL IS SPECIFIED. BACKFILL MATERIAL SHALL CONSIST OF EARTH, LOAM, SANDY CLAY, GRAVEL, CRUSHED LIMESTONE, OR OTHER APPROVED MATERIAL. REFER TO TECHNICAL SPECIFICATIONS FOR DETAIL REQUIREMENTS.
 2. IF TRENCH BOTTOM CONTAINS ROCK, THEN A MINIMUM OF A 6" PIPE BEDDING SHALL BE USED.

UNPAVED AREA TRENCH BACKFILL DETAIL
 NTS

G-1
 REVISED: APRIL 2006



EXISTING A/C PIPE - HEADWALL

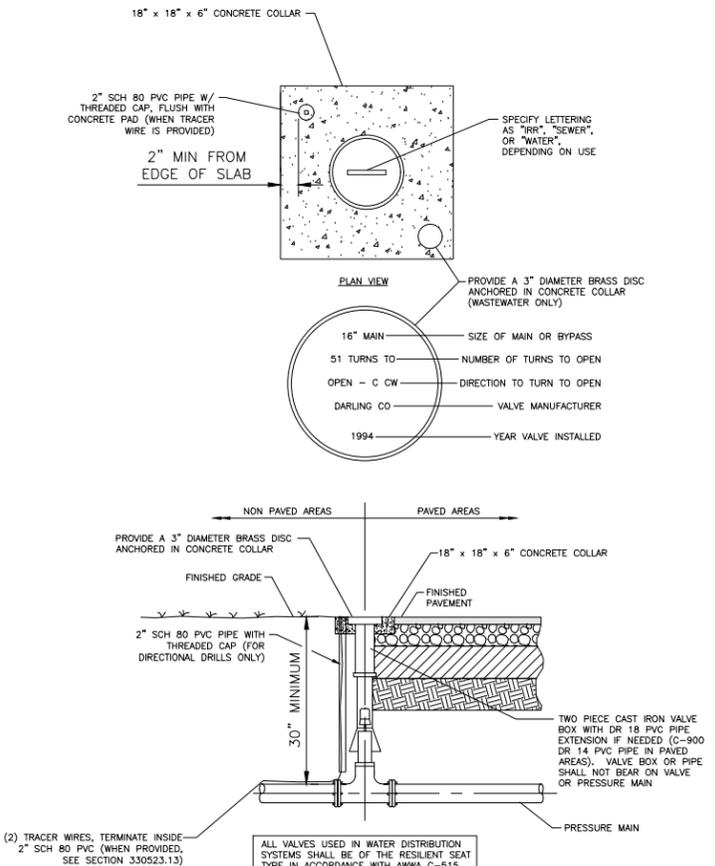


NEW & EXISTING PIPE - RESTRAINED JOINT

- NOTES:**
1. SEE SECTION 1 - DESIGN CRITERIA FOR AIR RELEASE VALVE REQUIREMENTS.

PIPE CONFLICT DETAILS
 NTS

G-4
 REVISED: APRIL 2006



TYPICAL VALVE SETTING DETAIL
 NTS

REVISION DATE: JULY 2018

SHEET NO. G-7

PIPE SIZE IN INCHES	RESTRAINED PIPE LENGTH IN FEET (1)						
	HORIZONTAL BENDS				DEAD ENDS (2)	45° VERTICAL BENDS	
	90°	45°	22-1/2°	11-1/4°		UPPER	LOWER
4	23	9	5	2	55	23	8
6	32	13	6	3	77	32	11
8	40	17	8	4	100	41	14
10	48	20	10	5	120	50	17
12	56	23	11	6	141	58	20
16	71	29	14	7	181	75	25
18	77	32	15	8	200	83	28
20	84	35	17	8	218	90	30
24	96	40	19	10	253	105	35
30	112	47	22	11	303	125	41
36	127	53	25	13	350	145	47

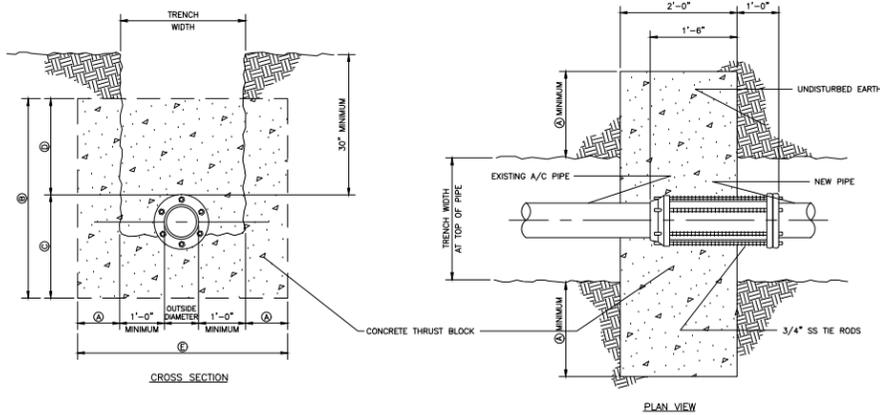
PIPE SIZE IN INCHES	RESTRAINED PIPE LENGTH IN FEET (1)	
	TEE (3)	REDUCER (4)
6 x 4	0	40
6 x 6	34	
8 x 4	0	72
8 x 8	55	
10 x 6	3	74
10 x 10	75	
12 x 4	0	122
12 x 8	31	75
12 x 12	95	
16 x 6	0	153
16 x 10	44	107
16 x 16	134	
18 x 8	0	157
18 x 12	68	108
18 x 18	152	
20 x 10	20	161
20 x 16	120	77
20 x 20	170	
24 x 12	37	187
24 x 18	132	109
24 x 24	204	
30 x 16	78	213
30 x 20	138	165
30 x 30	252	
36 x 18	84	259
36 x 24	170	191
36 x 36	298	

- NOTES:**
1. RESTRAIN ALL PIPE JOINTS WITHIN THE DISTANCE SHOWN ON THE TABLES MEASURED FROM THE POINT OF CONNECTION.
 2. ISOLATION VALVES SHALL BE TREATED AS DEAD ENDS. WITH RESTRAINT ON BOTH SIDES OF THE VALVE.
 3. RESTRAINT IS FOR BRANCH OF TEE. IF BRANCH SIZE IS NOT ON TABLE, USE NEXT LARGEST BRANCH.
 4. RESTRAINT IS FOR LARGE DIAMETER SIDE OF REDUCER. IF REDUCER SIZE IS NOT ON TABLE, USE NEXT SMALLER REDUCER (SMALL END).
 5. THIS SCHEDULE IS TO BE USED FOR DUCTILE IRON AND PVC PIPE.

PIPE RESTRAINT SCHEDULE
 NTS

G-10
 REVISED: APRIL 2006

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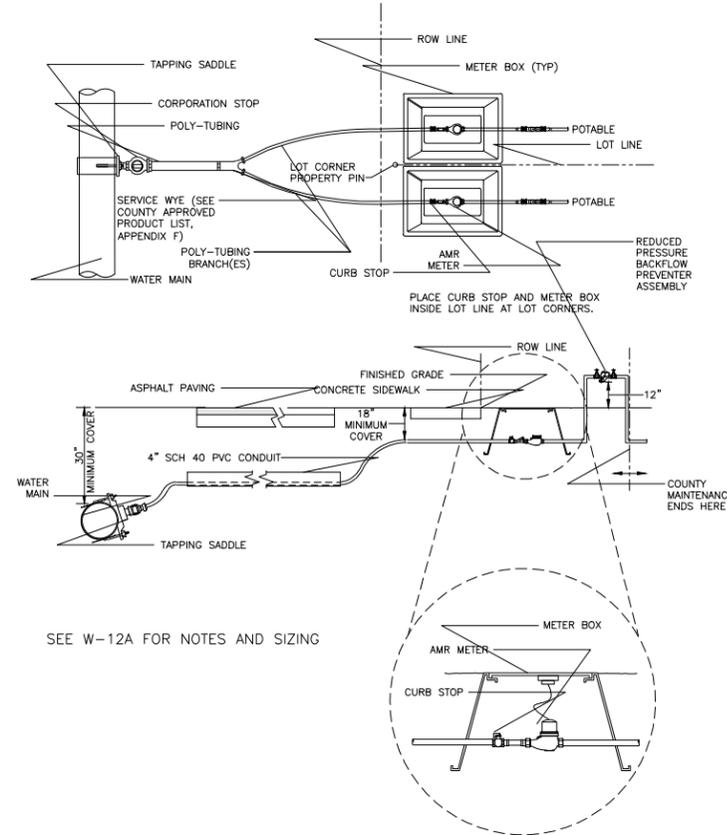


PIPE DIAMETER	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	NUMBER OF TIE RODS REQUIRED	CY.
4"	9"	36"	20"	16"	3'-10"	2	.85
6"	12"	36"	21"	15"	4'-6"	2	1.00
8"	12"	36"	22"	14"	4'-8"	2	1.04
10"	12"	36"	23"	13"	4'-10"	2	1.07
12"	18"	36"	24"	12"	6'-0"	2	1.33
16"	18"	36"	32"	4"	6'-4"	4	1.41

$$\text{CUBIC YARDS OF CONCRETE (CY)} = \left(\frac{\text{Ⓐ} \times \text{Ⓑ}}{12} \right) \times 2$$

DESIGN ENGINEER SHALL VERIFY ABOVE DIMENSIONS AND THE NUMBER OF TIE RODS.

THRUST BLOCK DETAIL FOR EXISTING A/C PIPE
NTS



SEE W-12A FOR NOTES AND SIZING

TYPICAL SHORT AND LONG SIDE WATER SERVICE METER SETTING DETAIL FOR CONNECTION TO WATER MAIN
NTS

REVISION DATE:
JULY 2018

SHEET NO.
W-12

SERVICE CONNECTION SIZING CHART AND NOTES

REVISION DATE:
JULY 2018

SHEET NO.
W-12A

SERVICE CONNECTION SIZING CHART				
SINGLE SERVICE	CONNECTION TO MAIN	DOUBLE SERVICE	CONNECTION TO MAIN	BRANCH SIZE
3/4" METER	1-1/2"	(2) 3/4" METERS	1-1/2"	1"
1" METER	1-1/2"	(2) 1" METERS	1-1/2"	1"
1-1/2" METER	1-1/2"			
2" METER	2"			

ALL WATER SERVICES WILL BE 2" PER PLANS

NOTES:

- 1-1/2" AND LARGER METERS SHALL BE SERVED BY SINGLE SERVICES ONLY.
- WYE CONNECTORS (SEE COUNTY APPROVED PRODUCT LIST, APPENDIX F) SHALL BE USED FOR MULTI-SERVICE. SUCCESSIVE TAPS INTO WATER MAIN WILL BE NO CLOSER THAN 24" APART.
- ALL CASING PIPE SHALL EXTEND A MINIMUM OF 5' BEYOND THE EDGE OF PAVEMENT, WITH A CASING DIAMETER TO BE NO LESS THAN 4". CONDUIT SHALL BE MARKED WITH AN ELECTRONIC MARKER (SEE COUNTY APPROVED PRODUCT LIST, APPENDIX F).
- TAPPING SADDLE, CORPORATION STOP, POLY TUBING, CURB STOP, AND METER BOXES SHALL BE INSTALLED BY UNDERGROUND UTILITY CONTRACTOR AT THE TIME OF WATER MAIN INSTALLATION.
- MATERIAL SPECIFICATIONS:
 - TAPPING SADDLES SHALL BE DOUBLE STRAP BRASS OR DUCTILE IRON (SEE COUNTY APPROVED PRODUCT LIST, APPENDIX F).
 - CORPORATION STOPS (SEE COUNTY APPROVED PRODUCT LIST, APPENDIX F) SHALL BE BALL TYPE AND MADE OF RED BRASS. OUTLET SHALL BE COMPRESSION TYPE POLYETHYLENE TUBE. COMPRESSION INSERT SHALL BE STAINLESS STEEL.
 - CURB STOPS (SEE COUNTY APPROVED PRODUCT LIST, APPENDIX F) SHALL BE BALL TYPE AND MADE OF RED BRASS. INLET SHALL BE COMPRESSION JOINT. OUTLET SHALL BE SWIVEL NUT FOR METER CONNECTION.
 - TUBING SHALL BE POLYETHYLENE, PE4710, (AWWA C-901, DR 9) AND BLUE IN COLOR.
- ALL PLANTINGS SHALL BE A MINIMUM 3' FROM METER BOX, AND SHALL PROVIDE A 3' ACCESS OPENING.
- ALL COMPONENTS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF STANDARD 61 AND THE REDUCTION OF LEAD IN DRINKING WATER ACT AMENDING THE SAFE DRINKING WATER ACT.

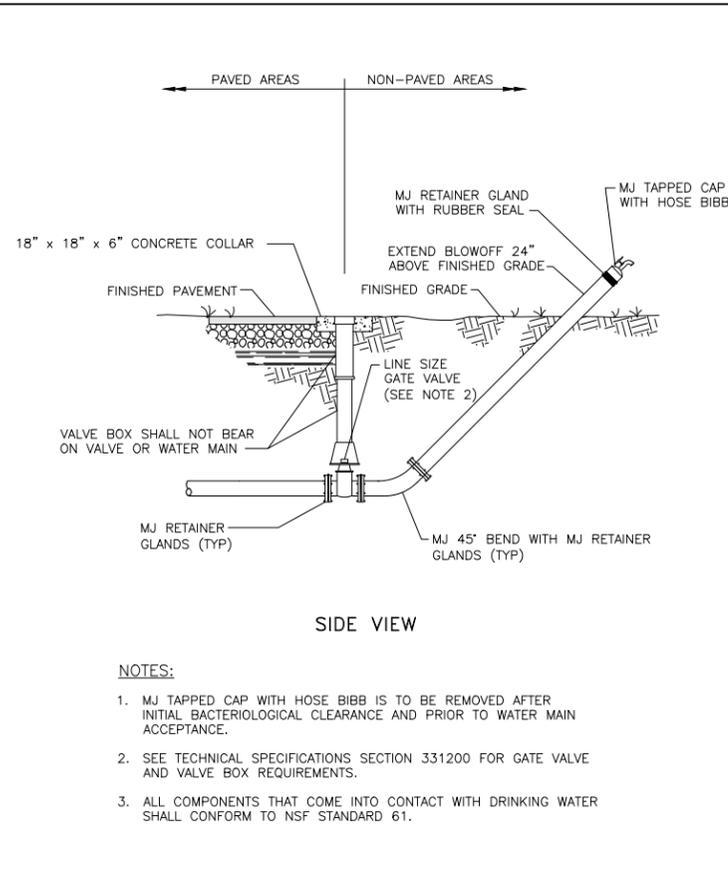
NO.	DESCRIPTION	DATE

DATE: JANUARY 1, 2026
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SCALE: AS SHOWN

Construction Plans
Collier County Details
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SHEET NUMBER

D-02



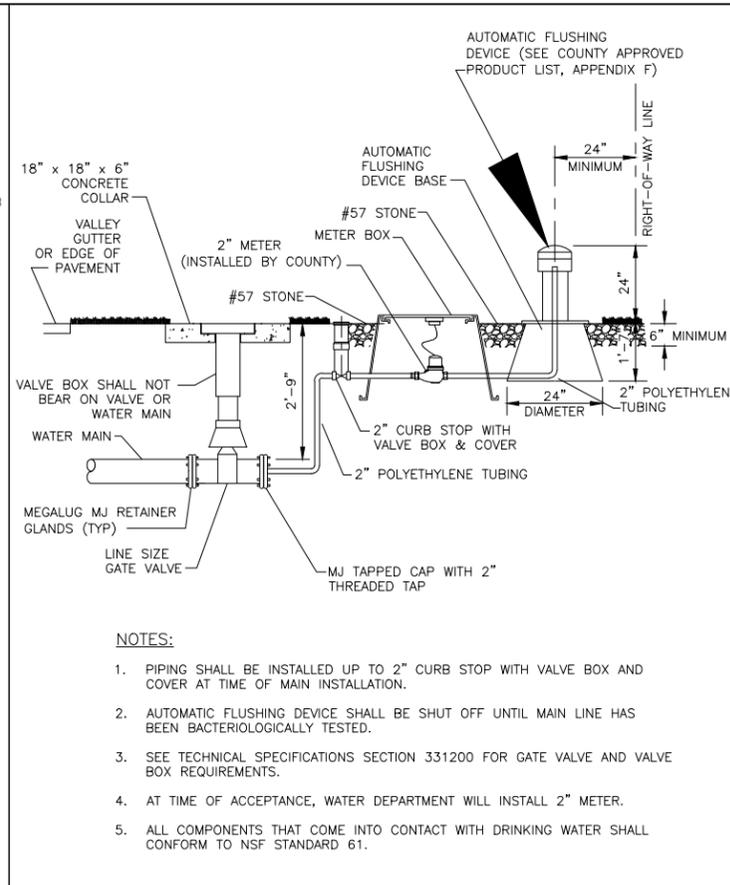
NOTES:

- MJ TAPPED CAP WITH HOSE BIBB IS TO BE REMOVED AFTER INITIAL BACTERIOLOGICAL CLEARANCE AND PRIOR TO WATER MAIN ACCEPTANCE.
- SEE TECHNICAL SPECIFICATIONS SECTION 331200 FOR GATE VALVE AND VALVE BOX REQUIREMENTS.
- ALL COMPONENTS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF STANDARD 61.

TEMPORARY BLOWOFF ASSEMBLY WITH BACTERIAL SAMPLING POINT DETAIL
NTS

REVISION DATE:	JANUARY 2014

SHEET NO. W-1



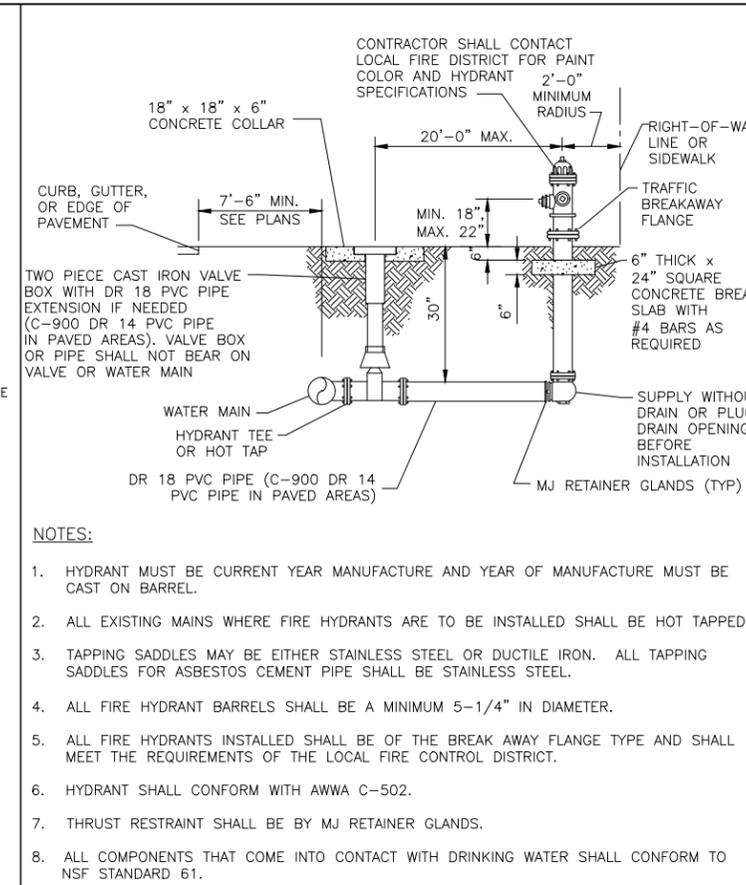
NOTES:

- PIPING SHALL BE INSTALLED UP TO 2" CURB STOP WITH VALVE BOX AND COVER AT TIME OF MAIN INSTALLATION.
- AUTOMATIC FLUSHING DEVICE SHALL BE SHUT OFF UNTIL MAIN LINE HAS BEEN BACTERIOLOGICALLY TESTED.
- SEE TECHNICAL SPECIFICATIONS SECTION 331200 FOR GATE VALVE AND VALVE BOX REQUIREMENTS.
- AT TIME OF ACCEPTANCE, WATER DEPARTMENT WILL INSTALL 2" METER.
- ALL COMPONENTS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF STANDARD 61.

AUTOMATIC WATER MAIN FLUSHING DEVICE DETAIL
NTS

REVISION DATE:	JANUARY 2014

SHEET NO. W-2



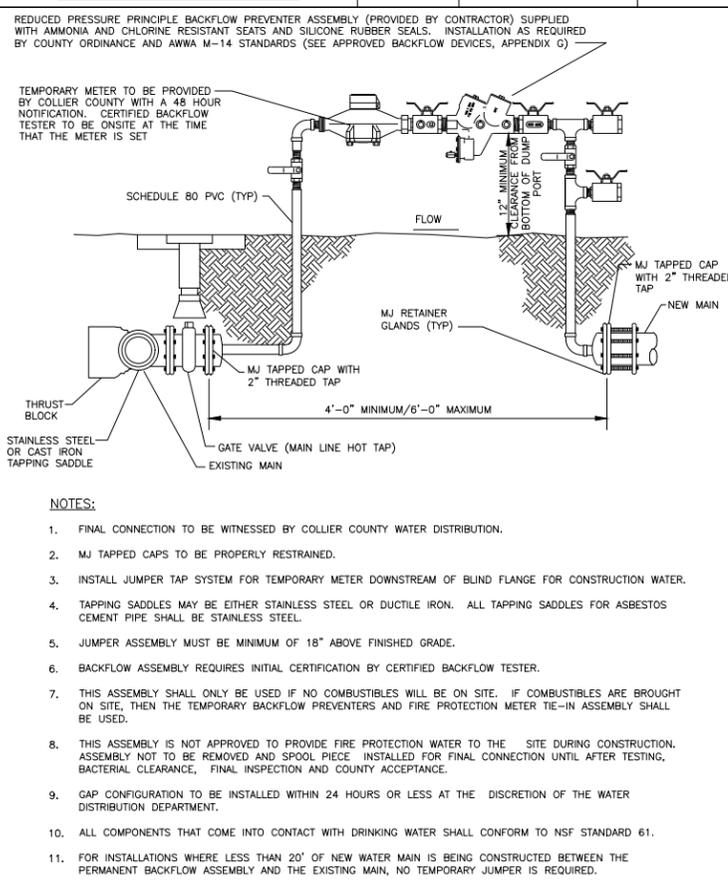
NOTES:

- HYDRANT MUST BE CURRENT YEAR MANUFACTURE AND YEAR OF MANUFACTURE MUST BE CAST ON BARREL.
- ALL EXISTING MAINS WHERE FIRE HYDRANTS ARE TO BE INSTALLED SHALL BE HOT TAPPED.
- TAPPING SADDLES MAY BE EITHER STAINLESS STEEL OR DUCTILE IRON. ALL TAPPING SADDLES FOR ASBESTOS CEMENT PIPE SHALL BE STAINLESS STEEL.
- ALL FIRE HYDRANT BARRELS SHALL BE A MINIMUM 5-1/4" IN DIAMETER.
- ALL FIRE HYDRANTS INSTALLED SHALL BE OF THE BREAK AWAY FLANGE TYPE AND SHALL MEET THE REQUIREMENTS OF THE LOCAL FIRE CONTROL DISTRICT.
- HYDRANT SHALL CONFORM WITH AWWA C-502.
- THRUST RESTRAINT SHALL BE BY MJ RETAINER GLANDS.
- ALL COMPONENTS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF STANDARD 61.

FIRE HYDRANT DETAIL
NTS

REVISION DATE:	JULY 2018

SHEET NO. W-3



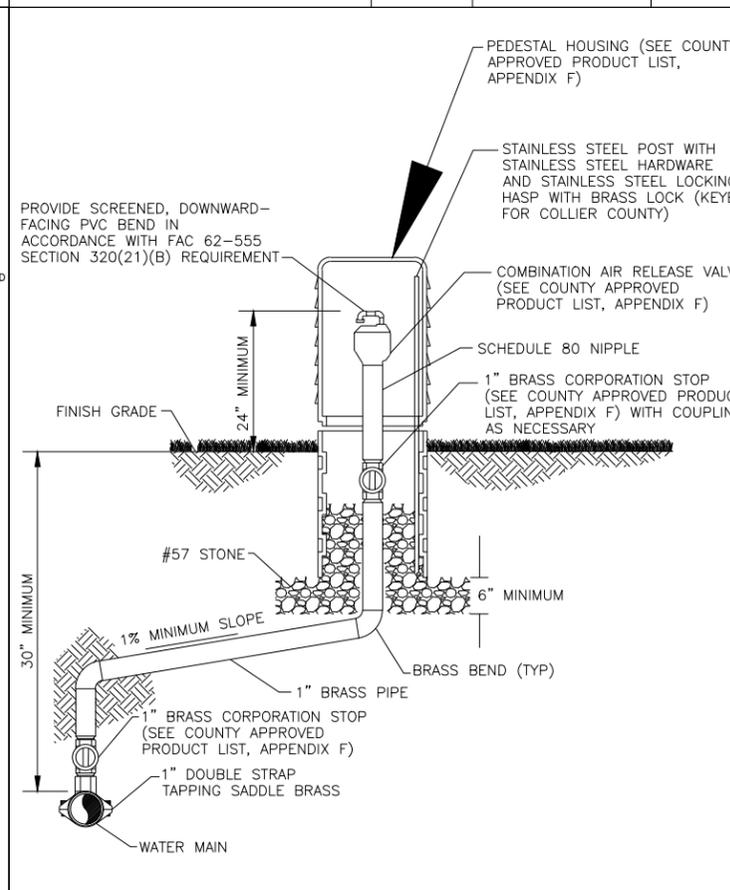
NOTES:

- FINAL CONNECTION TO BE WITNESSED BY COLLIER COUNTY WATER DISTRIBUTION.
- MJ TAPPED CAPS TO BE PROPERLY RESTRAINED.
- INSTALL JUMPER TAP SYSTEM FOR TEMPORARY METER DOWNSTREAM OF BLIND FLANGE FOR CONSTRUCTION WATER.
- TAPPING SADDLES MAY BE EITHER STAINLESS STEEL OR DUCTILE IRON. ALL TAPPING SADDLES FOR ASBESTOS CEMENT PIPE SHALL BE STAINLESS STEEL.
- JUMPER ASSEMBLY MUST BE MINIMUM OF 18" ABOVE FINISHED GRADE.
- BACKFLOW ASSEMBLY REQUIRES INITIAL CERTIFICATION BY CERTIFIED BACKFLOW TESTER.
- THIS ASSEMBLY SHALL ONLY BE USED IF NO COMBUSTIBLES WILL BE ON SITE. IF COMBUSTIBLES ARE BROUGHT ON SITE, THEN THE TEMPORARY BACKFLOW PREVENTERS AND FIRE PROTECTION METER TIE-IN ASSEMBLY SHALL BE USED.
- THIS ASSEMBLY IS NOT APPROVED TO PROVIDE FIRE PROTECTION WATER TO THE SITE DURING CONSTRUCTION. ASSEMBLY NOT TO BE REMOVED AND SPOOL PIECE INSTALLED FOR FINAL CONNECTION UNTIL AFTER TESTING, BACTERIAL CLEARANCE, FINAL INSPECTION AND COUNTY ACCEPTANCE.
- GAP CONFIGURATION TO BE INSTALLED WITHIN 24 HOURS OR LESS AT THE DISCRETION OF THE WATER DISTRIBUTION DEPARTMENT.
- ALL COMPONENTS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF STANDARD 61.
- FOR INSTALLATIONS WHERE LESS THAN 20' OF NEW WATER MAIN IS BEING CONSTRUCTED BETWEEN THE PERMANENT BACKFLOW ASSEMBLY AND THE EXISTING MAIN, NO TEMPORARY JUMPER IS REQUIRED.

CONNECTION TO EXISTING WATER MAIN DETAIL (GAP CONFIGURATION)
NTS

REVISION DATE:	JULY 2018

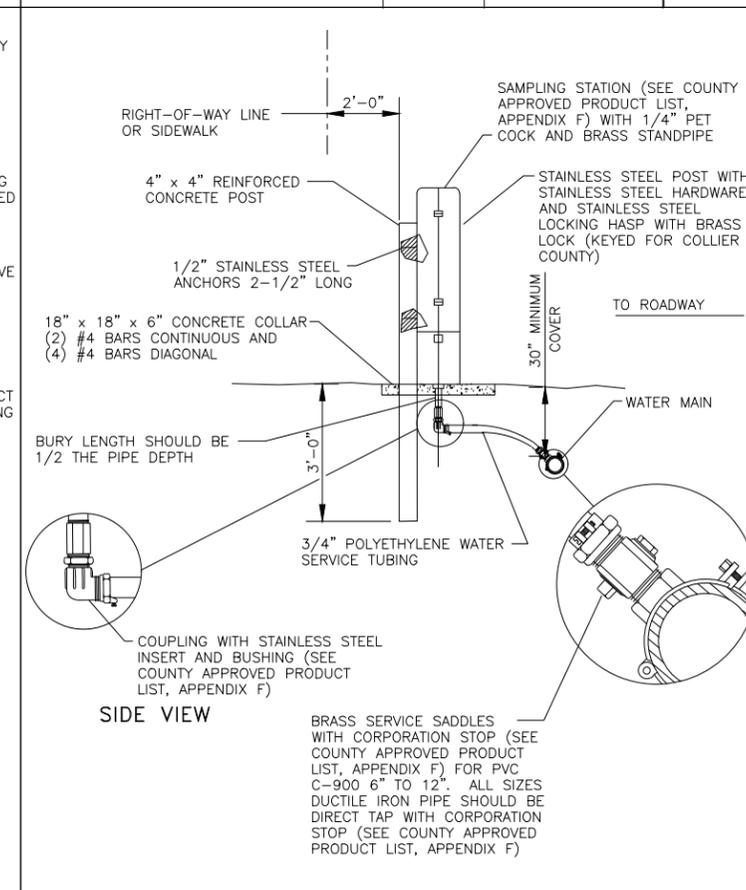
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POTABLE WATER AIR RELEASE VALVE DETAIL
NTS

W-5

REVISED: AUGUST 2008



SIDE VIEW

PERMANENT BACTERIAL SAMPLE POINT DETAIL
NTS

W-6

REVISED: AUGUST 2008

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FL License No. 00057



Pelican Bay Phase 1
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SHEET NUMBER
D-03

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FORT MYERS, FLORIDA 33901
PHONE: (239) 334-0046
E.R. #642 & L.B. #642

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FL License No. 60057



Pelican Bay Phase 1
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Construction Plans
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D-04

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Pelican Bay Phase 1
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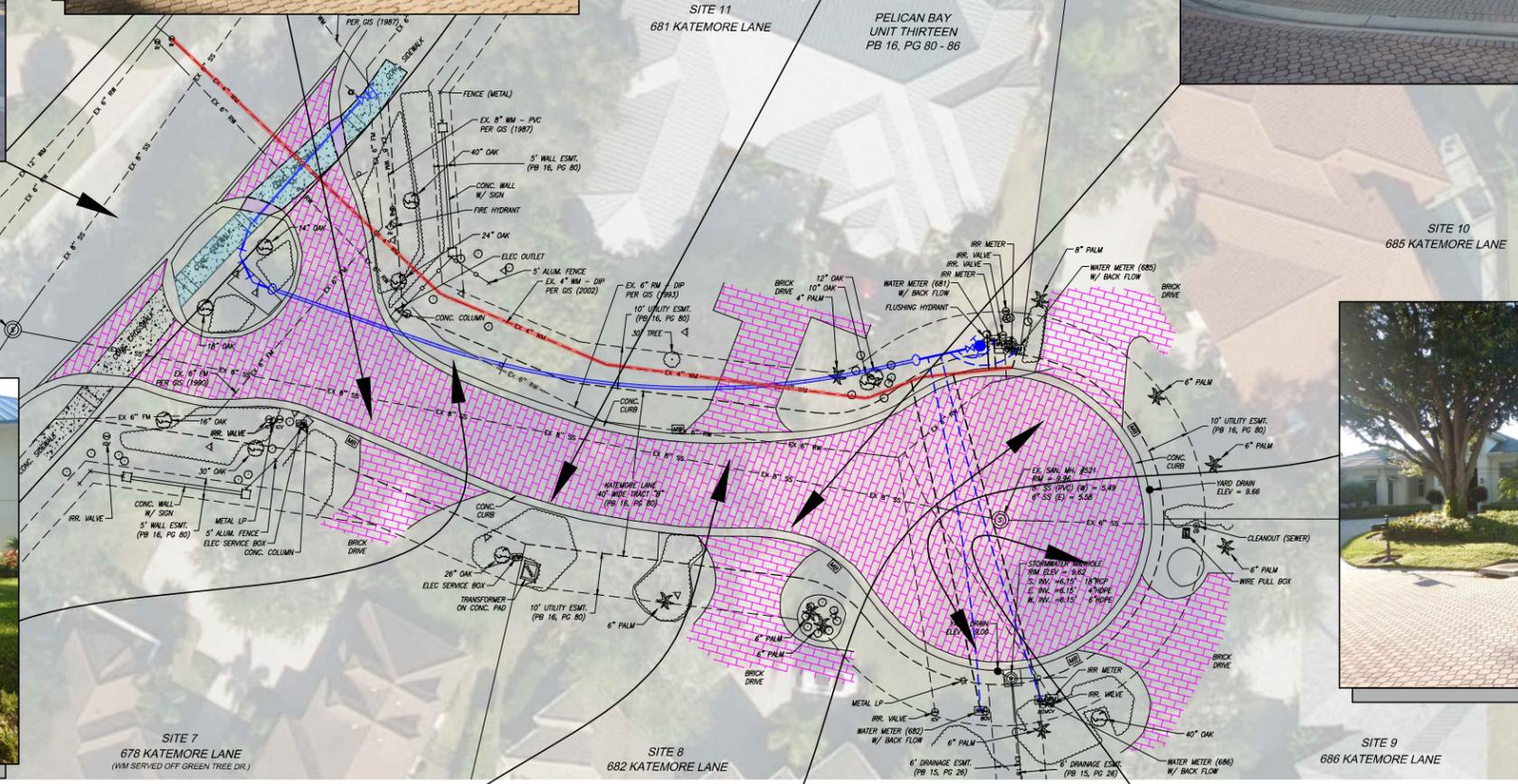
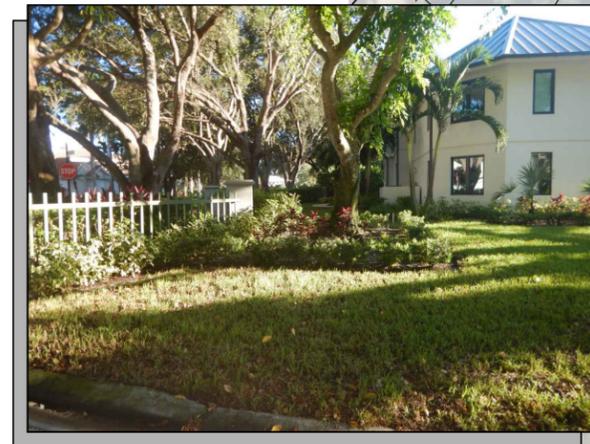
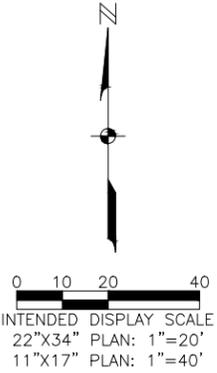
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Construction Plans
 Existing Conditions
 with Pictures
 Katemore Lane

SHEET NUMBER

05A



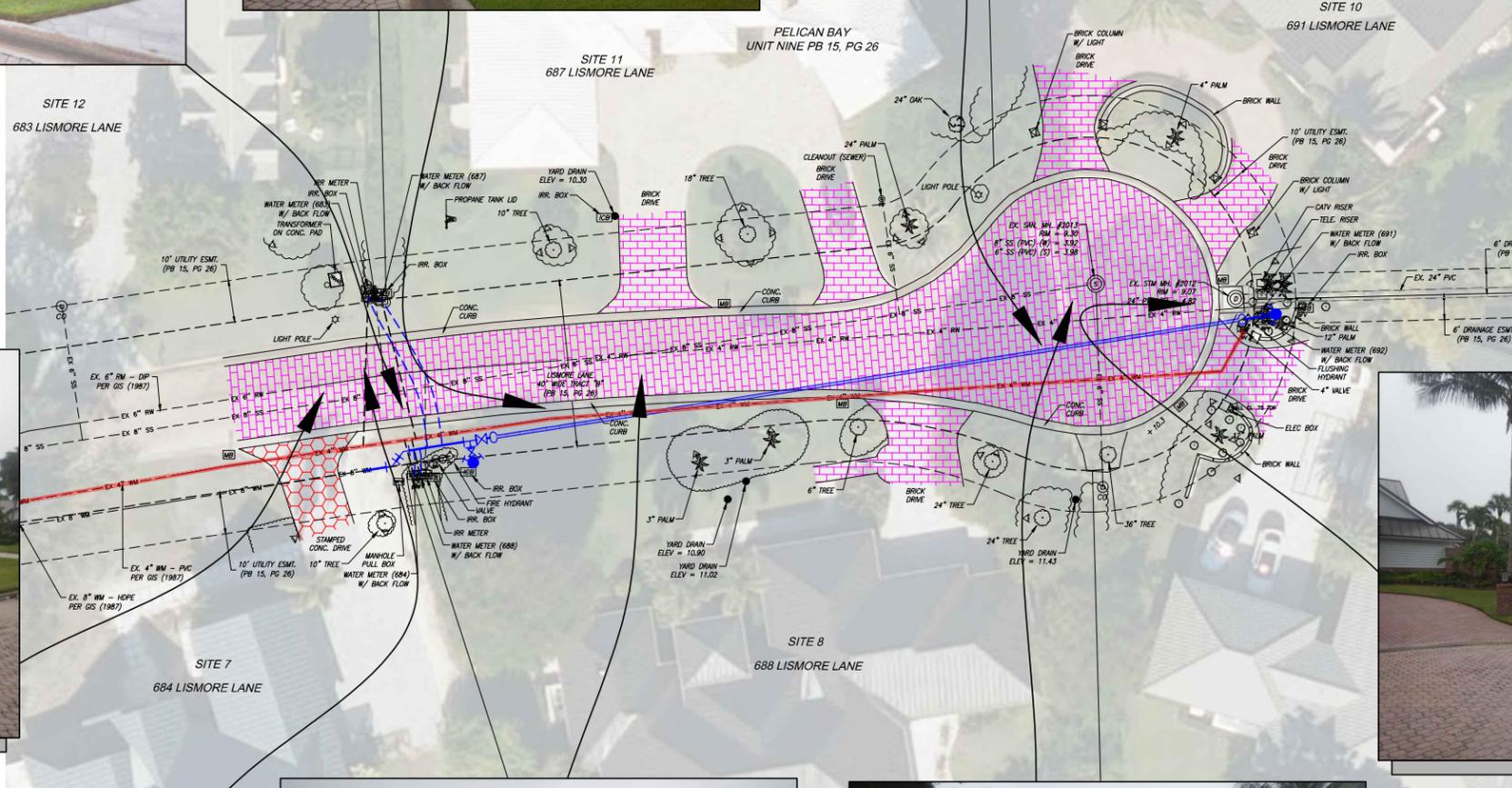
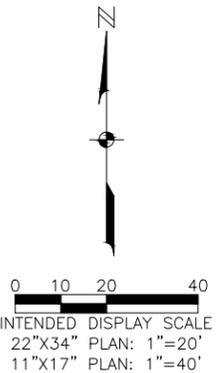
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Pelican Bay Phase 1
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 Water Main Improvements
 Collier County, Florida



RESTORATION LEGEND

CONCRETE CURB	CONC. SIDEWALK
BRICK DRIVE	ROADWAY

EX. 4" WM TO BE PLACED OUT OF SERVICE & GROUTED IN PLACE

ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD 88).
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) IS + 1.25.

REVISIONS

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Construction Plans
 Existing Conditions
 with Pictures
 Lismore Lane

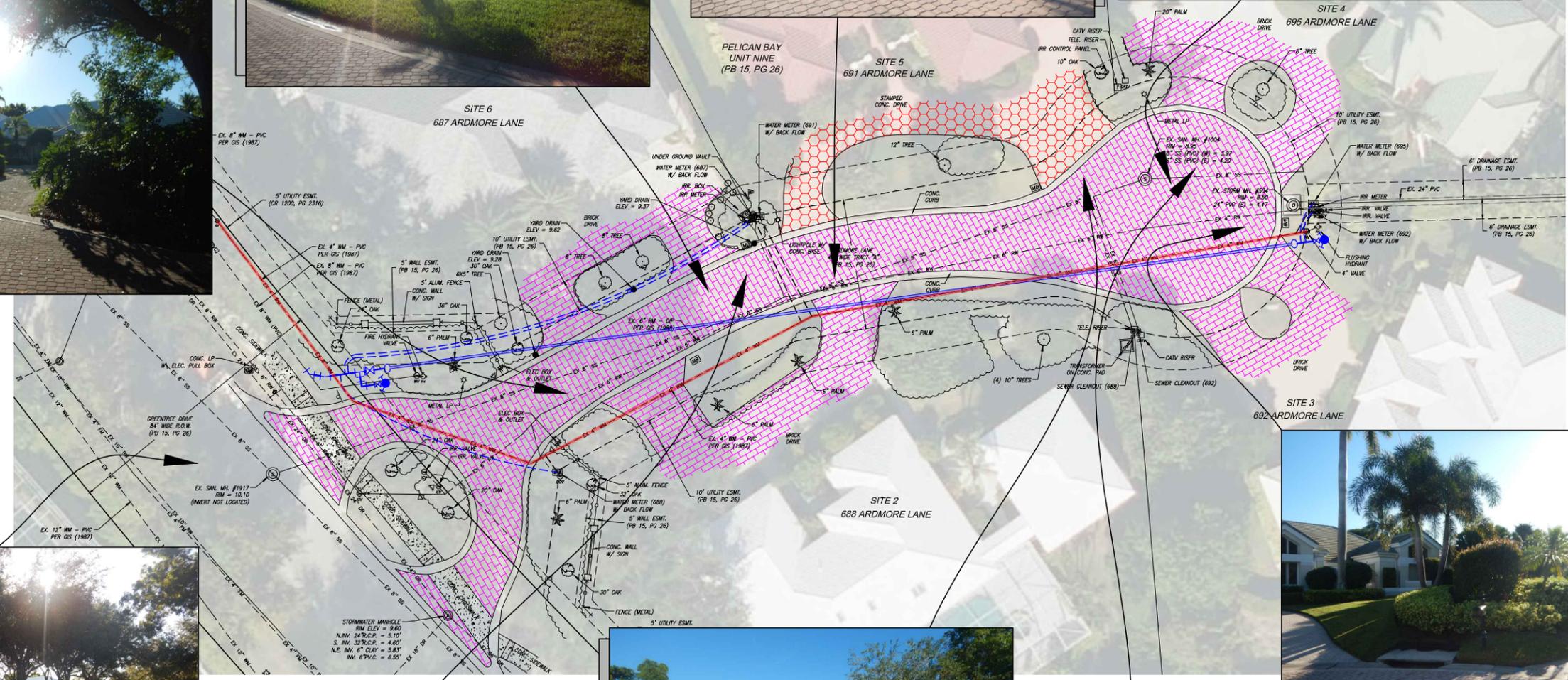
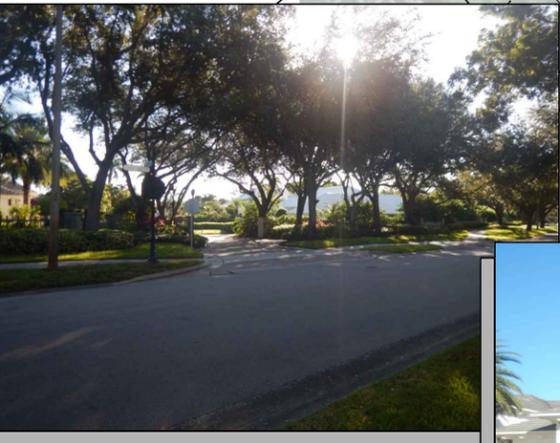
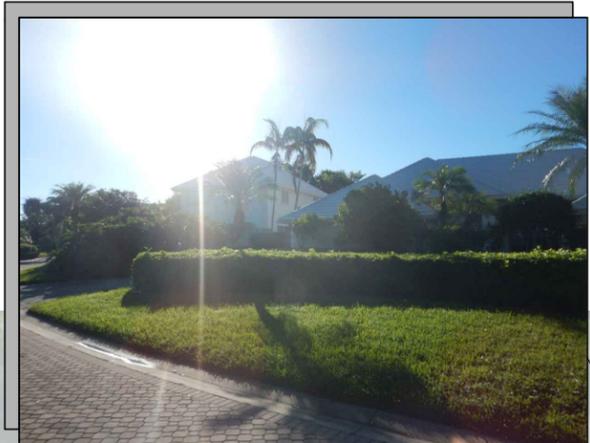
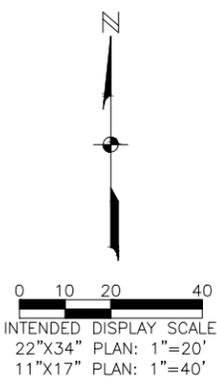
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MICHAEL SCOTT DICKEY, PE
 FL License No. 00057



Pelican Bay Phase 1
 (Katamore, Lismore & Ardmore)
 Water Main Improvements
 Collier County, Florida



ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD 88), CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) IS + 1.25.

NO.	REVISIONS DESCRIPTION	DATE

DATE: JANUARY 1, 2026
 PROJECT NO.: 25011908
 FILE NO.: 04-49-25
 SCALE: AS SHOWN

Construction Plans
 Existing Conditions
 with Pictures
 Ardmore Lane

SHEET NUMBER
07A

\\fms01\Drawings\2025\25011908\Utilities\Drawings\25011908_P1_PP.dwg (PP (6)) Michael Tiseo Dec 23, 2025 - 2:39pm