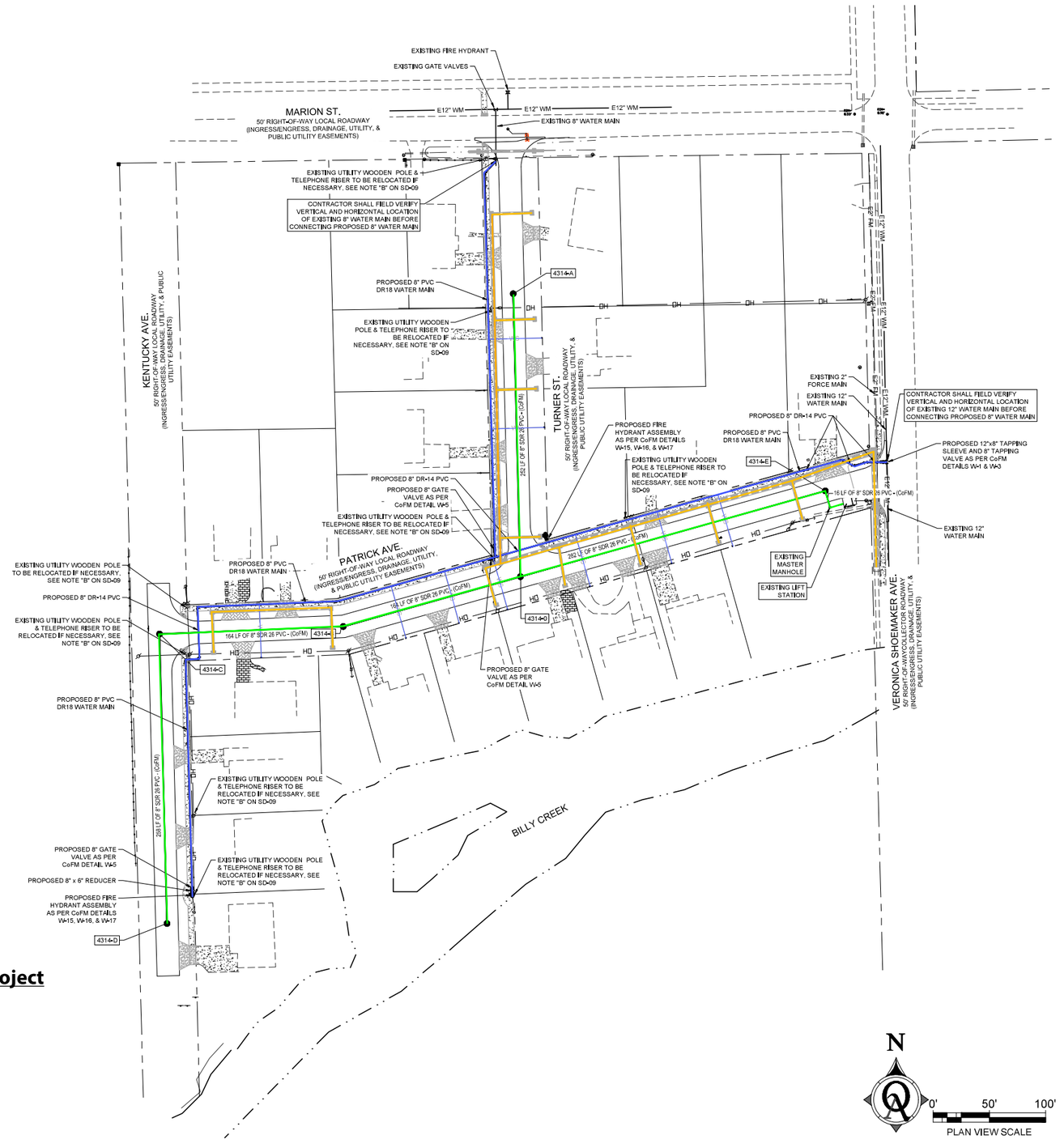
WATERLINE AND IRRIGATION NOTES:

1. ALL WATERLINES 10" SHALL HAVE A MINIMUM COVER OF 30" AND MAXIMUM COVER OF 48", PER NFPA 24 UNDERGROUND LINES REQUIRED TO BE 36" UNDER DRIVES AND ROADS.
2. THE ENDS OF ALL CAPPED IRRIGATION AND POTABLE WATERLINES SHALL BE MARKED WITH ELECTRONIC MARKERS AND 2"x4" STAKES 5' IN LENGTH WITH 2' ABOVE GROUND.
3. ALL POTABLE AND IRRIGATION WATERLINES SHALL BE AWWA C-900, DR18 CLASS 150 PVC RUBBER GASKETED PIPE WITH BELL AND SPIGOT ENDS UNLESS NOTED OTHERWISE. ALL VERTICAL DEFLECTIONS AND WATERLINES UNDER PAVEMENT OR SIDEWALK SHALL BE D.I.P. CLASS 50 OR HDPE DR-11.
4. CONTRACTOR SHALL USE 45° BENDS AT CONFLICTS. RESTRAINTS TO BE MEGALUG, TYLER MJR GLANDS OR APPROVED EQUAL. CONTRACTOR SHALL NOT EXCEED 75% OF THE MANUFACTURERS RECOMMENDED MAXIMUM PIPE DEFLECTION.
5. PROPOSED WATERLINE FITTINGS ARE SHOWN AT BENDS IN WATERLINE. ADDITIONAL FITTINGS MAY BE REQUIRED TO BEND WATERLINE AS SHOWN.
6. THE CONTRACTOR SHALL PLACE PROPOSED VALVES AS SHOWN, AND AVOID TO GREATEST EXTEND PLACE VALVE BOX LOCATED IN PAVEMENT, BRICK PAVERS, SIDEWALKS OR DRIVEWAY AREAS.
7. THE CONTRACTOR SHALL PROVIDE AND INSTALL BLUE / BLUE REFLECTIVE MARKERS AS REQUIRED NEAR PROPOSED FIRE HYDRANTS.
8. ALL WATER SERVICES UNDER ROADWAY SHALL BE PLACED IN A HDPE DR-11 CASING PIPE.
9. ALL COMPONENTS OF THE POTABLE WATER SYSTEM SHALL BE IN CONFORMANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE / NSF INTERNATIONAL STANDARD 61. ALL COMPONENTS INSTALLATION AND TESTING OF THE POTABLE WATER SYSTEM SHALL BE ACCORDANCE WITH ALL AWWA APPLICABLE STANDARDS.
10. WHERE HORIZONTAL CLEARANCE FROM WATERLINE TO DRAINAGE STRUCTURE IS LESS THAN 5' CENTER A 20' SECTION OF 8" D.I.P. CL50 AT DRAINAGE STRUCTURE.
11. WATER SERVICE TAPS SHALL NOT BE LOCATIONS REQUIRING HORIZONTAL DEFLECTION.
12. WATER SERVICES TO MAINTAIN 5' SEPARATION FROM DRAINAGE STRUCTURES.

UTILITY PLAN LEGEND:

	PROPOSED EASEMENT	PFL	PROPOSED FIRE LINE
S	PROPOSED SEWER C/O	PSS	PROPOSED SEWER SERVICE
S	EXISTING SEWER C/O	ESS	EXISTING SEWER SERVICE
W	PROPOSED WATER METER	PWS	PROPOSED WATER SERVICE
W	EXISTING WATER METER	EWS	EXISTING WATER SERVICE
	EXISTING GATE VALVE	FM	EXISTING FORCE MAIN
	EXISTING FIRE HYDRANT	PP	EXISTING POWER POLE W/ ANCHOR
	EXISTING BOLLARD		
	EXISTING PHONE RISER		
T	EXISTING TRANSFORMER		
	EXISTING LIGHT POLE		



City of Fort Myers Cleveland Grove Neighborhood Utility Improvement Project

Proposed Drainage & Utility Improvements Legend

- Drainage
- Gravity Sewer
- Water Main

N

0' 50' 100'

PLAN VIEW SCALE

NO.	DATE	COMMENT

CLEVELAND GROVE NEIGHBORDHOOD UTILITY IMPROVEMENTS
MASTER UTILITY PLAN

PATRICK AVE., TURNER ST., & KENTUCKY AVE.
FORT MYERS, FLORIDA

Quattrone & Associates, Inc.
Engineers, Planners, & Development Consultants
4301 Veronica Shoemaker Blvd - Fort Myers, Florida 33916 - 239-936-5222
Certificate of Authorization Number: 9465

ALFRED QUATTRONE, PE.
FL. REG #52741
VALID ONLY WITH STAMPED SEAL

SAVED BY: Gary
SAVED ON: 8/13/18

SHEET
SD-14
14 OF 32

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