

DEVELOPMENT ORDER PLANS FOR

WILDBLUE PHASE 2 RESIDENTIAL

PART OF SECTIONS 8, TOWNSHIP 46 SOUTH, RANGE 26 EAST
FORT MYERS, LEE COUNTY, FLORIDA

PROJECT DATA

SITE ADDRESS	PROJECT DATUM
13500 ALICO ROAD FT. MYERS, FLORIDA 33913	STATE PLANE FLORIDA WEST ZONE NAD 1983 (NSRS2007) NORTH AMERICAN VERTICAL DATUM (NAVD) 1988
ZONING	RECORD PLAT
MPD (RESOLUTION Z-15-021)	PLT2017-00019 INSTRUMENT NO.: 2017000216031
FLOOD ZONE	STRAP NUMBERS
ACCORDING TO FIRM 12071C0625 EFFECTIVE DATE AUGUST 28, 2008, THE SUBJECT PARCEL IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA (PANEL NOT PRINTED)	08-46-26-L3-090F1.0000 08-46-26-L1-090F1.0010 08-46-26-L2-090F1.0020 08-46-26-L2-090F1.0030

PERMIT REQUIREMENTS

AGENCY	STATUS	NOTES
S. FLORIDA WATER MANAGEMENT DISTRICT	APPROVED	36-05075-P
LEE COUNTY DEVELOPMENT ORDER	PENDING	DOS2019-00120
FLORIDA DEPARTMENT OF HEALTH	PENDING	-
FLORIDA DEPT. OF ENVIRONMENTAL PROTECTION	PENDING	-
F.D.O.T. CONNECTION PERMIT	N/A	-
F.D.O.T. DRAINAGE CONNECTION PERMIT	N/A	-
F.D.O.T. UTILITY PERMIT	N/A	-
ARMY CORPS OF ENGINEERS	APPROVED	SAJ-2003-10995
F.D.E.P. NOTICE OF INTENT	PENDING	-

NOTE: CONTRACTOR MUST OBTAIN AND KEEP ON FILE A COPY OF ALL PERMITS
REQUIRED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY

DESIGN TEAM

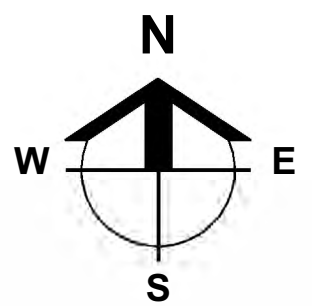
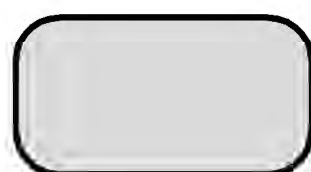
PROJECT ENGINEER	PROJECT MANAGEMENT
TIMOTHY B. GAVIN, P.E.	CHRIS VAN BUSKIRK
DESIGN ENGINEER	PROJECT SURVEYOR
TIMOTHY B. GAVIN, P.E.	SCOTT A. WHEELER, PSM
LEAD DESIGN TECHNICIAN	SITE PLANNING
GUY W. SAPEN	JENNIFER SAPEN, AICP
DESIGN STAFF	LAND PLANNING
SCOTT A. WHEELER, JR.	JENNIFER SAPEN, AICP
QUALITY CONTROL	RECORD DRAWINGS
CHRIS VAN BUSKIRK	

THESE PLANS MAY HAVE BEEN MODIFIED IN SIZE BY REPRODUCTION.
THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

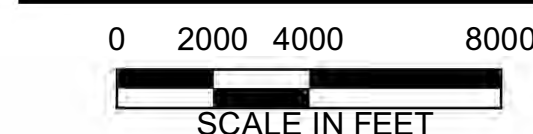
ALL DIMENSIONS ARE IN FEET.



PROJECT
LOCATION



LOCATION MAP



****FINAL INSPECTION REQUIRED****

At the completion of the improvements, please
submit a Letter of Substantial Compliance to
schedule a Final Inspection.

Development Order Approval does not
vest nor guarantee that changes will not
be required, if subsequent changes are
made to the Uniform Lee County Fire Code.

UTILITY PERMIT REQUIRED

Plan is not approved for location or
placement of utilities. All work in county
right-of-way and easements must be
permitted prior to commencing work.

Please Note: Final Development Order
does not confer approval for signage

VEGETATION PERMIT REQUIRED

PRIOR TO ANY SITE WORK

Protective barricades must be constructed and
inspected prior to permit issuance. Please
contact Division of Environmental Sciences
(239) 633-8388.

INDEX OF DRAWINGS

ENGINEER OF RECORDS' SIGNATURE AND SEAL APPLY TO THE FOLLOWING PLAN SHEETS, EXCLUDING ANY SUPPLEMENTS:

SHEET	DESCRIPTION	XREF	DRAWING NAME
1.0	COVER SHEET AND LOCATION MAP	B	23795A01.DWG
2.0	STANDARD NOTES, LEGEND, AND ABBREVIATIONS	A	23795A02.DWG
3.0	AERIAL PHOTOGRAPH AND EXISTING CONDITIONS PLAN	B,D	23795A06.DWG
4.0	MASTER SITE AND PHASING PLAN	A	23795A10.DWG
5.0	MASTER DRAINAGE PLAN	A	23795A11.DWG
6.0	MASTER UTILITY PLAN	A	23795A12.DWG
7.0-7.17	DETAILED PAVING, GRADING, AND DRAINAGE PLANS	A	23795A15.DWG
8.0-8.2	TYPICAL SECTIONS	-	23795A18.DWG
9.0	PLAN AND PROFILE KEY SHEET	A	23795A29.DWG
10.0-10.9	PLAN AND PROFILES - BLUE SAPPHIRE DR. (STA. 100)	A,C	23795A30A.DWG
11.0	PLAN AND PROFILES - LAPIS CT. (STA. 200)	A,C	23795A30B.DWG
12.0-12.1	PLAN AND PROFILES - CERULEAN CT. (STA. 300)	A,C	23795A30C.DWG
13.0	PLAN AND PROFILES - LIFT STATION - 7897 (STA. 400)	A,C	23795A30D.DWG
14.0	PLAN AND PROFILES - WATERMAIN LOOP (STA. 500)	A,C	23795A30E.DWG
15.0-15.1	PLAN AND PROFILES - WATERMAIN DIRECTIONAL BORE (STA. 600)	A,C	23795A30F.DWG
16.0	CONTROL STRUCTURE DETAILS	-	23795A42.DWG
17.0-17.2	TYPICAL CONSTRUCTION DETAILS	-	23795A44.DWG
18.0	EROSION CONTROL DETAILS	-	23795A50.DWG
19.0	STORMWATER POLLUTION PREVENTION PLAN	A	23795A52.DWG
20.0-20.3	UTILITY DETAILS	-	23795A70.DWG
21.0	LIFT STATION 7897 DETAILS	-	23795A71.DWG
22.0	DEWATERING PLANS	A	23795A93.DWG
23.0	DEEP LAKE MANAGEMENT PLANS	A	23795A94.DWG
24.0-24.4	STREET LIGHTING PLANS	A	23795A96.DWG

SUPPLEMENTS:

SHEET	DESCRIPTION
LCU 25.0-25.9	STANDARD 240V 3PH PUMP STATION (PREPARED BY LEE COUNTY UTILITIES)

CROSS-REFERENCED DRAWINGS:

XREF	DESCRIPTION	DRAWING NAME
A	BASE LINEWORK PLAN	23795A00.DWG
B	AERIAL PHOTOGRAPH	IMAGE_1.JPG
C	PROFILE BASE PLAN	23795A00.DWG
D	SURVEY	23372S00.DWG

APPROVED
DOS2019-00120
Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020

PLAN STATUS

APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

Barraco and Associates, Inc. CIVIL ENGINEERING - LAND SURVEYING LAND PLANNING www.barraco.net 2271 MCGREGOR BLVD., SUITE 100 POST OFFICE DRAWER 2800 FORT MYERS, FLORIDA 33902-2800 PHONE (239) 461-3170 FAX (239) 461-3169 FLORIDA CERTIFICATES OF AUTHORIZATION ENGINEERING 7995 - SURVEYING LB-6940	
PREPARED FOR	
LENNAR LENNAR HOMES 10471 BEN C PRATT / 6 MILE CYPRESS PARKWAY FORT MYERS, FLORIDA 33966 PHONE (239) 278-1177 FAX (239) 931-4749	
PROJECT DESCRIPTION	
WildBlue LEE COUNTY, FLORIDA	
ENGINEER OF RECORD	
TIMOTHY B. GAVIN, P.E., FOR THE FIRM FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET Timothy B. Gavin, P.E. 70675 2020.02.11 11:38:51 -05'00' This item has been electronically signed and sealed by Timothy B. Gavin on the date adjacent to the seal using a SIA authentication code. Printed copies of this document are not considered signed and sealed and the SIA authentication code must be verified on any electronic copies. DRAWING NOT VALID WITHOUT SEAL, SIGNATURE AND DATE (C) COPYRIGHT 2020, BARRACO AND ASSOCIATES, INC. REPRODUCTION, CHANGES OR ASSIGNMENTS ARE PROHIBITED	
FILE NAME J:\23795A01.DWG	
LOCATION J:\23795\DWG\DO\	
PLOT DATE MON. 1-20-2020 - 10:53 AM	
PLOT BY SCOTT WHEELER JR	
CROSS REFERENCED DRAWINGS	
MASTER = BAI-COVER-1.DWG	
PLAN REVISIONS	
09-16-19	L.C.U. COMMENTS DATED 09-10-19
10-14-19	DO COMMENTS DATED 10-14-19
PLAN STATUS	
APPROVAL SUBMITTAL PLANS NOT FOR CONSTRUCTION	
COVER SHEET AND LOCATION MAP	
PROJECT / FILE NO.	SHEET NUMBER
23795	1.0

STANDARD ABBREVIATIONS

NOTE: SEE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS INDEX ABBREVIATION FOR ADDITIONAL ABBREVIATIONS NOT LISTED BELOW.

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	CULV	CULVERT	FIN	FINISH	M.H.W.	MEAN HIGH WATER	REL	RELOCATED
ABO.	ABANDONED	C.V.	CUBIC YARD	FL	FLORIDA	MI.	MILE	REM	REMOVED
AC	ACRE	CYL.	CYLINDRICAL	FLEX.	FLEXIBLE	MIN.	MINIMUM	REQ.	REQUIRED
A.D.A.	AMERICANS WITH DISABILITIES ACT	D.	DEGREE OF CURVATURE	F.M.	FORCEMAIN	MISC.	MISCELLANEOUS	RES.	RESIDENCE
ADJ.	ADJUST	DA	DEED	F.O.C.	FACE OF CURB	R.M.	MEAN LOW WATER	R.E.	RAISED REFLECTIVE PAVEMENT MARKERS
A.D.T.	AVERAGE DAILY TRAFFIC	D.B.	DEED BOOK	F.P.S.	FEET PER SECOND	R.P.B.D.	REDUCED PRESSURE BACKFLOW PREVENTION DEVICE	R.T.	RIGHT
A.E.	ACCESS EASEMENT	DBL	DOUBLE	FREQ.	FREQUENCY	R.R.	RAILROAD	R.W.	RIGHT OF WAY
A.A.D.T.	ANNUAL AVERAGE DAILY TRAFFIC	D.B.	DITCH BOTTOM INLET	FURN.	FURNISH	R.T.	RIGHT	R.W.	RIGHT OF WAY
AGG.	AGGREGATE	D.C.S.	DEGREE OF CURVATURE (SPIRAL)	G.	GRAM	R.W.	RIGHT	R.W.	RIGHT OF WAY
A.I.C.P.	AMERICAN INSTITUTE OF CERTIFIED PLANNERS	D.D.C.V.	DOUBLE DETECTOR CHECK VALVE	GALV.	GALVANIZED	S.C.	SPECIFIC GRAVITY	S.	SOUTH
ALT.	ALTERNATE	D.E.	DECELERATION	GA.	GAUGE OR GAGE	SAN.	SANITARY	SCH.	SCHEDULE
ALUM.	ALUMINUM	DEM.B.	DEMOLITION	GAR.	GARAGE	SE	SOUTHEAST	ST.	STREET
A.M.	12:00 MIDNIGHT UNTIL 11:59 NOON	DEN.	DENSITY	GOV.T.	GOVERNMENT	SEC.	SECTION	SED.	SEDIMENT
A.N.S.I.	AMERICAN NATIONAL STANDARDS INSTITUTE	DEPT.	DEPARTMENT	GR.	GROSS MILE	SE	SECTION	SED.	SEDIMENT
APPL.	APPLICATION	D.H.W.	DRAINAGE HIGH WATER	GRND.	GROUND	SH.	SHOULDER	SH.D.R.	SHOULDER
ASPH.	ASPHALT	D.I.P.	DUCTILE IRON PIPE	H.W.	HEIGHT	S.H.W.T.	SEASONAL HIGH WATER TABLE	S.F.	SQUARE FOOT
ASS.	ASSEMBLY	DIR.	DIRECTION	H.D.	HIGH DENSITY	S.R.	STATE ROAD	S.R.	STATE ROAD
A.S.T.M.	AMERICAN SOCIETY FOR TESTING MATERIALS	DIST.	DISTANCE	H.W.	HIGH PRESSURE OR HORSE POWER	ST.	STATION	ST.	STATION
AUX.	AUXILIARY	D.O.T.	DEPARTMENT OF TRANSPORTATION	HNDRL.	HANDRAIL	STA.	STATION	STAB.	STABILITY OR STABILIZATION
AVE.	AVENUE	DR.	DRIVE	HORIZ.	HORIZONTAL	STD.	STANDARD	STD.	STANDARD
AVG.	AVERAGE	D.R.	DRY SEASON WATER TABLE	H.P.	HIGH PRESSURE	STR.	STRUCTURE	S.Y.	SQUARE YARD
B.E.	BURIED ELECTRIC	D.S.W.T.	DRY SEASON WATER TABLE	H.W.	HIGH WATER	SW.	SOUTHWEST	T.B.D.	TO BE DETERMINED
BL.	BASE LINE	DWG.	DRAWING	HWY.	HIGHWAY	T.M.P.	TOWNSHIP	T.B.R.	TO BE REMOVED
BLVD.	BOULEVARD	E.	EAST	HYD.	HYDRANT	T.M.P.	TEMPORARY BENCH MARK	T.E.	TEMPORARY
B.M.	BENCHMARK	E.A.	EACH	I.D.	INSIDE DIAMETER	TEMP.	TEMPORARY	T.N.	TON
B.O.C.	BACK OF CURB	E.	RATE OF SUPER ELEVATION	I.E.	INVERT ELEVATION	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
BOT.	BOTTOM	E.A.	EACH	IN.	INCH	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
B.P.	BORROW PIT	E.I.	ENGINEERING INTERN	INC.	INCORPORATED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
BR.	BRIDGE	E.L.	ELEVATION	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
BRG.	BEARING	ELEC.	ELECTRIC	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
B.T.	BURIED TELEPHONE	ELIP.	ELLIPITICAL	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
BTWN.	BETWEEN	EMBK.	EMBANKMENT	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
BW.	BARBED WIRE	ENCL.	ENCLOSURE	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CALC.	CALCULATED	E.O.P.	EDGE OF PAVEMENT	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
C.	CALCULATED	E.O.W.	EDGE OF WATER	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CAP.	CAPACITY	EQ.	EQUATION OR CAPACITY	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CATV.	CABLE TELEVISION	EQUIP.	EQUIPMENT	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
C.B.	CATCH BASIN	E.R.C.P.	ENRICHED REINFORCED CONCRETE PIPE	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CBC.	CONCRETE BOX CULVERT	ESMT.	EASEMENT	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CBS.	CONCRETE BOX STRUCTURE	ETC.	ET CETERA (AND SO FORTH)	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CC.	COUNTY COMMISSIONERS	E.W.	EXISTING	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CCMB.	COUNTY COMMISSIONERS MINUTES BOOK	EX.	EXISTING	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CEM.	CEMENT	EXT.	EXTENSION	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
C.F.	CUBIC FOOT	EX.	EXISTING	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
C.I.	CAST IRON	EX.	EXISTING	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
C.I.P.	CAST IRON PIPE	F.	FACE	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
C.L.	CENTER LINE	F.	FACE	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CONC.	CONCRETE	F.F.	FINISHED FLOOR ELEVATION	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
C.M.	CONCRETE MONUMENT	F.A.C.B.C.	FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
C.M.P.	CORRUGATED METAL PIPE	F.B.C.	FLORIDA BUILDING CODE	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CO.	COUNTY OR COMPANY	FD.	FOUND	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CIO.	CLEANOUT	F.D.C.	FIRE DEPARTMENT	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
COL.	COLUMN	FDN.	FOUNDATION	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
COM.	COMMERCIAL	F.D.	FOUND	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CONST.	CONSTRUCTION	F.D.	FOUND	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CONTR.	CONTRACTOR	F.D.	FOUND	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
COORD.	COORDINATE	F.D.	FOUND	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
COR.	CORNER	F.D.	FOUND	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
C.P.	CORNER POINT	F.D.	FOUND	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
C.R.	CONTROL RADIUS	F.D.	FOUND	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
C.S.	CONTROL STRUCTURE	F.D.	FOUND	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
CTR.	CENTER	F.D.	FOUND	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.
C.U.E.	COUNTY UTILITY EASEMENT	F.D.	FOUND	INCL.	INCLUDED	T.N.	TECHNOLOGY UTILITY ESMT.	T.U.	TECHNOLOGY UTILITY ESMT.

GENERAL NOTES

NOTE: SEE ADDITIONAL NOTES ON SITE DEVELOPMENT PLANS AND DETAIL SHEETS WHICH ARE SPECIFIC TO THIS PROJECT. IN THE EVENT OF A CONFLICT, UTILIZE NOTES ON SITE DEVELOPMENT PLANS.

- THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE LATEST EDITIONS OF THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE F.D.O.T. DESIGN STANDARDS INDEX, AND ALL APPLICABLE DESIGN STANDARDS MODIFICATIONS FOUND AT <http://www.dot.state.fl.us/design> AND ALL LOCAL CODES.
- ALL APPROVALS REQUIRED IN CONJUNCTION WITH THESE NOTES MUST BE OBTAINED IN WRITING BY THE CONTRACTOR. ANY DEVIATIONS FROM THE PLANS AND / OR SPECIFICATIONS MUST BE APPROVED IN ADVANCE BY THE OWNER, ENGINEER AND APPROPRIATE REGULATORY AGENCY.
- CONTRACTOR SHALL ENSURE THAT ALL PERMITS ARE IN PLACE PRIOR TO CONSTRUCTION, THAT COPIES OF ALL PERMITS ARE RETAINED ON SITE AT ALL TIMES AND SHALL ADHERE TO ALL PERMIT CONDITIONS. AT LEAST 72 HOURS PRIOR TO CONSTRUCTION CONTRACTOR SHALL NOTIFY THE LOCAL MAINTENANCE ENGINEER'S OFFICE TO SECURE GENERAL USE PERMITS AND / OR OTHER PERMITS REQUIRED FOR WORK WITHIN F.D.O.T. RIGHT-OF-WAY.
- ALL CONSTRUCTION SHALL COMPLY WITH THE LATEST VERSIONS OF THE AMERICANS WITH DISABILITIES ACT (A.D.A.) AND THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION (F.A.C.B.C.). MAXIMUM SLOPE IN ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL NOT EXCEED 2% IN ALL DIRECTIONS. MAXIMUM RUNNING SLOPE SHALL NOT EXCEED 5% AND CROSS SLOPE SHALL NOT EXCEED 2% ON ALL SIDEWALKS AND CROSSLANDINGS.
- SIDEWALKS ARE DESIGNED AND INTENDED FOR PEDESTRIAN TRAFFIC ONLY. ALL SIDEWALKS AND CURB CUTS SHALL BE IN ACCORDANCE WITH F.D.O.T. INDEX 520-003 AND SHALL INCLUDE DETECTABLE WARNING SURFACES. VALLEY GUTTER ADJACENT TO CURB CUTS SHALL DEViate FROM STANDARD DETAIL BY NOT EXCEEDING 12" SLOPES.
- CONTRACTOR SHALL NOTIFY THE ENGINEER, OWNER'S REPRESENTATIVE AND APPROPRIATE AGENCY A MINIMUM OF 72 HOURS PRIOR TO ALL INSPECTIONS REQUIRED BY THE RESPECTIVE PERMIT.
- THE CONTRACTOR SHALL NOTIFY THE OWNER AND CONTACT ALL UTILITY COMPANIES FOR LOCATIONS OF EXISTING UTILITIES A MINIMUM OF 72 HOURS PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL DETERMINE IF UTILITIES OTHER THAN THOSE SHOWN ON THESE PLANS EXIST. THE LOCATION OF EXISTING UTILITIES, PAVEMENT, VEGETATION AND OTHER IMPROVEMENTS ARE APPROXIMATE ONLY. THE EXACT SIZES, ELEVATIONS AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION OR ORDERING MATERIALS. CONTRACTOR SHALL NOTIFY ENGINEER / OWNER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- ANY PUBLIC LAND CORNER OR BENCHMARK WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED AND IF IN DANGER OF BEING DESTROYED MUST BE PROPERLY REFERENCED BY THE CONTRACTOR.
- EXISTING IMPROVEMENTS SHALL REMAIN UNLESS NOTED OTHERWISE, AND SHALL BE RESTORED TO A CONDITION EQUIVALENT TO THAT WHICH EXISTED PRIOR TO COMMENCING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER. EXISTING OFF-SITE DRAINAGE PATTERNS SHALL BE MAINTAINED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN ANY CLEARING, VEGETATION REMOVAL OR RIGHT-OF-WAY PERMITS REQUIRED FOR THIS PROJECT. ALL DEBRIS SHALL BE REMOVED FROM SITE AND PROPERLY DISPOSED OF.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS ADJACENT TO THE PROJECT. ALL TRAFFIC MAINTENANCE CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS. CONTRACTOR SHALL ASSURE THAT ALL TRAFFIC CONTROL DEVICES MEET ACCEPTABLE STANDARDS AS OUTLINED IN THE LATEST EDITION OF THE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) "QUALITY STANDARDS FOR WORK ZONE TRAFFIC CONTROL DEVICES" AND SHALL IMMEDIATELY REPAIR, REPLACE OR CLEAN DAMAGED, DEFACED OR DIRTY DEVICES. TRAFFIC CONTROL OPERATION PROCEDURES SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION. ANY IMPACTS TO TRAFFIC FLOW SHALL BE COORDINATED WITH AND APPROVED BY THE APPROPRIATE LOCAL AGENCY.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER AND OWNER'S REPRESENTATIVE.
- THE LOCATIONS OF PROPOSED DRAINAGE STRUCTURES AND UTILITY LINES MAY BE FIELD ADJUSTED TO PRESERVE EXISTING VEGETATION AS APPROVED IN ADVANCE BY THE ENGINEER. UNDERGROUND CONTRACTOR SHALL MINIMIZE THE WORK AREA AND WIDTH OF TRENCHES TO AVOID DISTURBANCES OF NATURAL VEGETATION. EXERCISE CARE TO PROTECT TREES TO REMAIN WITHIN THE BRANCH SPREAD OF SUCH TREES. PERFORM ALL TRENCHING BY HAND. OPEN THE TRENCH ONLY WHEN UTILITIES CAN BE INSTALLED IMMEDIATELY. PRUNE INJURED ROOTS CLEANLY AND BACKFILL AS SOON AS POSSIBLE. SPOIL FROM TRENCHES SHALL BE PLACED ONLY ON PREVIOUSLY CLEARED AREAS OR AS DIRECTED BY THE OWNER. CONTRACTOR SHALL NOT REMOVE OR DISTURB ANY TREES AND/OR SHRUBS WITHOUT PRIOR APPROVAL BY OWNER.
- INSTALLATION OF SUBSURFACE CONSTRUCTION, INCLUDING BUT NOT LIMITED TO WATER, SEWER AND IRRIGATION LINES, PUBLIC UTILITIES AND STORM DRAINAGE IS REQUIRED PRIOR TO COMPACTION OF THE ROADWAY SUBGRADE.
- SUBGRADE AND LIME/ROCK BASE COURSES TO BE COMPACTED TO 98% MINIMUM OF THE MAXIMUM DRY DENSITY AS SPECIFIED BY AASHTO T-190 TESTING. CONTRACTOR SHALL PROVIDE THE ENGINEER SATISFACTORY DENSITY TESTS FOR SUBGRADE AND LIME/ROCK PRIOR TO PAYMENT OF FINAL ACCEPTANCE. EXCESS ROAD BASE AND COMPACTED SOIL SHALL BE REMOVED FROM ALL LANDSCAPE AREAS PRIOR TO FINAL GRADING.
- SWALE ELEVATIONS SHOWN ARE TO TOP OF SOD. CONTRACTOR TO ADJUST SWALE GRADING ACCORDINGLY. ALL UNPAVED AREAS SHALL BE GRADED TO THE DRAINAGE SYSTEM TO PREVENT STANDING WATER. YARD DRAINS MAY BE ADDED IN GREEN AREAS AS NECESSARY AT THE DIRECTION OF THE LANDSCAPE ARCHITECT OR ENGINEER, AND SHALL HAVE PEDESTRIAN-SAFE GRATES MEETING THE REQUIREMENTS OF F-20 LOADING.
- BERM ELEVATIONS SHOWN ARE THE MINIMUM REQUIRED. CONTRACTOR MAY EXCEED THE MINIMUM BERM ELEVATION BY UP TO 0.5 FEET PROVIDED ALL SLOPE CRITERIA IS MET. ANY CONSTRUCTION OF BERMS IN EXCESS OF THAT LIMIT MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER WITHIN ONE WEEK OF COMPLETION OF DRAINAGE CONTROL STRUCTURES SO THAT ELEVATIONS MAY BE VERIFIED PRIOR TO COMPLETION OF CONSTRUCTION.
- THE CONTRACTOR IS REQUIRED TO ADJUST ALL EXISTING AND PROPOSED VALVE BOXES, MANHOLE RIMS, GRATES AND OTHER IMPROVEMENTS AS REQUIRED TO MATCH THE FINAL GRADE.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNERS REPRESENTATIVE IN REGARDS TO THE LOCATION, SIZE AND QUANTITY OF ALL CONDUITS FOR UTILITIES, IRRIGATION, LIGHTING AND OTHER IMPROVEMENTS PRIOR TO CONSTRUCTION OF THE ROADWAY SUBGRADE. CASING AND/OR CONDUIT SHALL HAVE A MINIMUM OF 30" COVER, EXTEND 5' BEYOND THE EDGE OF PAVEMENT. BACK OF CURB AND/OR SIDEWALK AT EACH END, AND ENDS SHALL BE SEALED AND DENOTED WITH MARKING TAP.
- CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS PRIOR TO PLACING SOD ON AREAS THAT REQUIRE CRITICAL MINIMUM OR MAXIMUM ELEVATIONS IN ORDER FOR ENGINEER TO VERIFY SUCH ELEVATIONS. THE OBLIGATION TO ACHIEVE MINIMUM ELEVATIONS REMAINS WITH THE CONTRACTOR.
- SOD A 12" STRIP ADJACENT TO ALL PAVEMENT PER F.D.O.T. REQUIREMENTS. SOD ALL UNPAVED DISTURBED AREAS WITHIN F.D.O.T. RIGHT OF WAY. ALL OTHER UNPAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE SEEDED, FERTILIZED AND MULCHED UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL ENCOUNTERED FROM FILL AREAS PRIOR TO PLACEMENT OF FILL, AND SUCH MATERIAL SHALL BE STOCKPILED OR REMOVED AS DIRECTED BY OWNER.
- THE PROPERTY OWNER OR DESIGNATED AUTHORITY IS RESPONSIBLE FOR THE PERPETUAL MAINTENANCE OF ALL FEATURES OF THE WATER MANAGEMENT SYSTEM AS SHOWN IN THESE DRAWINGS AND AS REQUIRED BY LOCAL, STATE AND FEDERAL PERMITS. IT IS FURTHER RECOMMENDED THAT THE SURFACE WATER MANAGEMENT SYSTEM BE INSPECTED SEMI-ANNUALLY.
- CONTRACTOR SHALL VERIFY DESIGN DETAILS WITH ENGINEER PRIOR TO ORDERING STRUCTURES. STRUCTURE TYPES LABELED ON THE PLANS FOR ITEMS SUCH AS JUNCTION BOXES AND INLETS MAY ONLY BE A REFERENCE TO THE TOP OF THE STRUCTURE. CERTAIN STRUCTURE TYPES REQUIRE A LARGER BOTTOM TO ACCOMMODATE LARGER PIPE SIZES AND/OR PIPE ANGLES. THE APPROPRIATE SIZE AND SHAPE OF THE BOTTOM OF THE STRUCTURE SHALL BE DETERMINED BY THE CONTRACTOR WITH CONSIDERATION GIVEN TO ADJACENT EXISTING OR PROPOSED UTILITIES. THE COST FOR THE ENTIRE STRUCTURE IS INCLUDED IN THE UNIT PRICE FOR THE PRIMARY STRUCTURE.
- STORM DRAIN PIPE LENGTHS ARE APPROXIMATE AND HAVE BEEN MEASURED FROM INSIDE FACE OF STRUCTURE. SANITARY SEWER PIPE LENGTHS ARE APPROXIMATE AND ARE MEASURED FROM THE CENTER OF STRUCTURE.
- CONTRACTOR SHALL MAINTAIN MINIMUM SEPARATION BETWEEN UTILITIES AS SHOWN ON "UTILITY LOCATION DETAIL" AND IN ACCORDANCE WITH APPLICABLE LOCAL UTILITY SERVICE PROVIDER REQUIREMENTS.
- 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 IN ACCORDANCE WITH ALL A.W.W.A. APPLICABLE STANDARDS.
- CONTRACTOR TO COORDINATE WITH ALL OTHER CONTRACTORS WORKING ON THE PROJECT SITE. THE OWNERS' REPRESENTATIVE AND WITH ELECTRIC, TELEPHONE AND CABLE COMPANIES TO ASSURE THAT NO SANITARY SEWER, WATERLINE OR IRRIGATION SERVICES ARE INSTALLED UNDER PROPOSED TRANSFORMERS.
- DEFLECTION TESTING IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS FOR GRAVITY SEWER MAY NOT BE UNDERTAKEN UNTIL 30 DAYS AFTER FINAL BACKFILLING OF THE TRENCH IS COMPLETE. SEWER DEFLECTION MAY NOT EXCEED THE MAXIMUM PROVIDED IN THE TECHNICAL SPECIFICATIONS OR 5%, WHICHEVER IS LESS.
- ALL GRAVITY SEWER MAINS SHALL BE TESTED WITH A MANHOLE WITH A DIAMETER OF NOT LESS THAN 95% OF THE INSIDE PIPE DIAMETER. MANHOLE TESTS MUST BE PERFORMED WITHOUT USE OF MECHANICAL PULLING DEVICES.
- NO VEGETATION OR OTHER OBSTRUCTIONS SHALL BE PLACED SO AS TO BLOCK ACCESS OR LINE OF SIGHT TO FIRE HYDRANTS, F.D.C. P.I.V., ETC., IN ACCORDANCE WITH LOCAL FIRE JURISDICTION AND / OR AS SHOWN IN DETAILS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA FIRE CODE. SEPARATE PERMITS MAY BE REQUIRED FOR ANY DEDICATED FIRE LINE. UNDERGROUND FIRE LINES MUST MEET REQUIREMENT OF NFPA 24. CONTRACTOR TO VERIFY FIRE LINE SIZE WITH BUILDING PLANS PRIOR TO CONST.

SYMBOL LEGEND

NOTE: THE SYMBOLS REPRESENTED BELOW ARE STANDARDS UTILIZED BY THIS FIRM AND NOT ALL ARE REQUIRED FOR THE SUBJECT PROJECT.

DRAINAGE

	VALLEY GUTTER INLET		TYPE 5 INLET (LEFT)
	DITCH BOTTOM INLET		TYPE 5 INLET (RIGHT)
	DRAINAGE JUNCTION BOX		TYPE 6 INLET
	MITERED END SECTION		TYPE 9 INLET
	CONTROL STRUCTURE		TYPE 10 INLET
	HEADWALL		YARD DRAIN
	FLARED END SECTION		FLOW ARROW

UTILITIES

	11.25' BEND		SANITARY SEWER MANHOLE
	22.5' BEND		SINGLE SANITARY SEWER SERVICE
	45' BEND		DOUBLE SANITARY SEWER SERVICE
	90' BEND		CLEANOUT
	TEE		PUMP STATION
	REDUCER		SINGLE IRRIGATION SERVICE
	AIR RELEASE VALVE		DOUBLE IRRIGATION SERVICE
	WYE		SINGLE WATER SERVICE
	CROSS		DOUBLE WATER SERVICE
	CAP OR PLUG		FIRE HYDRANT ASSEMBLY (PLAN VIEW)
	BACTERIOLOGICAL SAMPLE POINT		FIRE HYDRANT ASSEMBLY (PROFILE VIEW)
	PERMANENT BLOW OFF ASSEMBLY		GATE VALVE (PROFILE VIEW)
	TEMPORARY BLOW OFF ASSEMBLY		
	45' VERTICAL DEFLECTION		
	GATE VALVE		
	H PIPE VALVE		

STANDARD CURB TYPES

SEE F.D.O.T. INDEX 520-001 FOR ADDITIONAL DETAILS

	TYPE "A" CURB		TYPE "D" CURB
	TYPE "E" CURB		TYPE "F" CURB

SIGNAGE AND MARKINGS

	SIGN (PLAN VIEW)		LEFT ONLY
	CONSERVATION SIGN LOCATION		RIGHT ONLY
	HANDICAP SYMBOL		LEFT OR RIGHT
	MODEL HOMES, MODEL UNITS, MODEL DISPLAY CENTERS.		STRAIGHT OR RIGHT
	"NO MOWING/HERBICIDING" SIGN ALONG LAKE SHORELINE		STRAIGHT OR LEFT
			STRAIGHT, LEFT OR RIGHT
			STRAIGHT

IDENTIFICATION

	LOT NUMBER		SECTION LABEL
	BUILDING ID NUMBER		NORTH ARROW
	STORM STRUCTURE I.D.		BAR SCALE
	SANITARY STRUCTURE I.D.		
	FIRE HYDRANT LABEL		
	SOIL BORING LOCATION		

EROSION CONTROL

	INLET PROTECTION		DOUBLE ROW SILT FENCE
			SINGLE ROW SILT FENCE
			FLOATING TURBIDITY BARRIER

SURVEYING

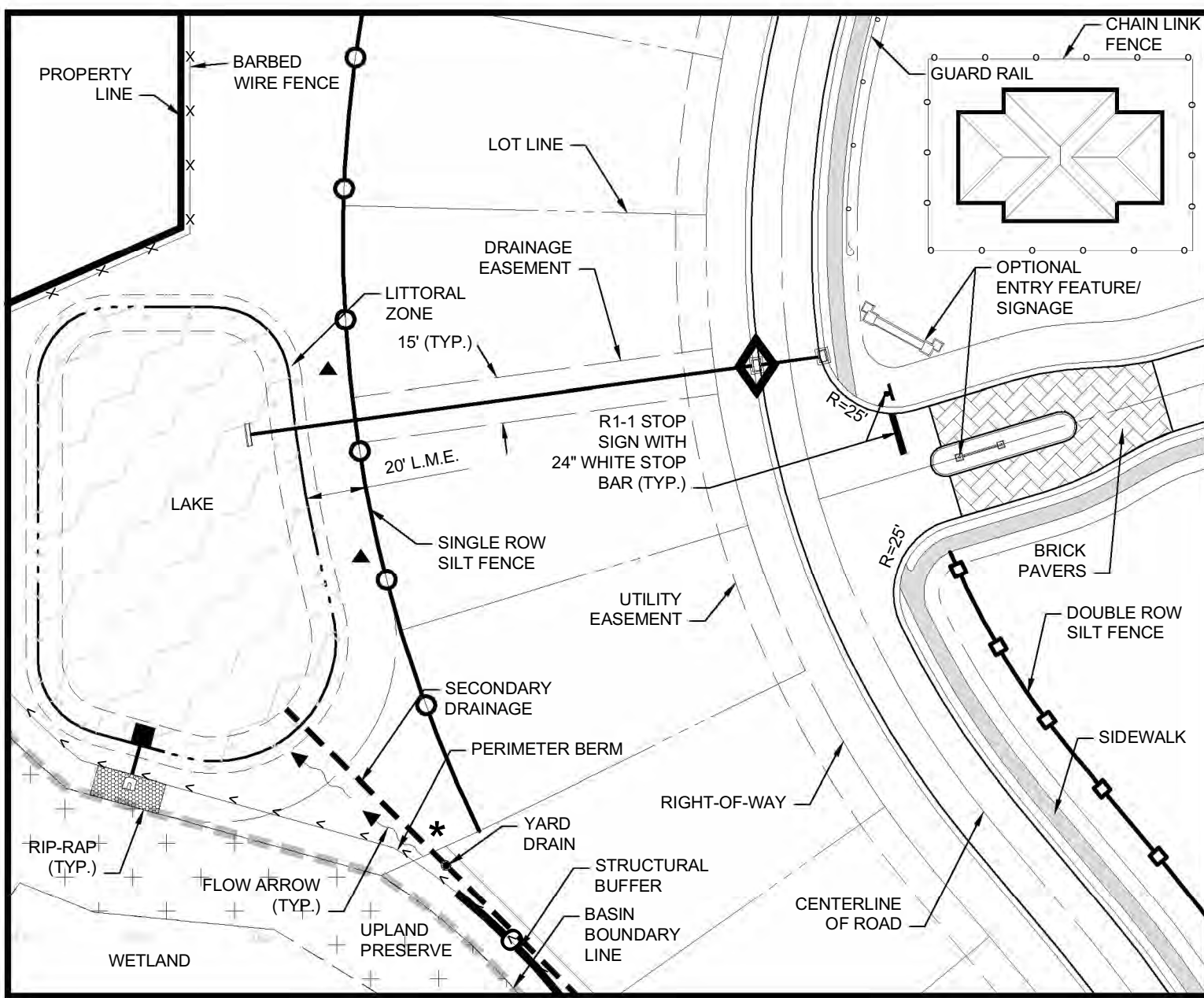
	FOUND NAIL AS NOTED		GAS LINE MARKER
	SET 1/2" IRON ROD WITH CAP STAMPED LB6940		TELEPHONE RISER
	SET 4"x4" CONC. MONUMENT STAMPED LB6940		WATER BOX
	SET P.K. NAIL WITH DISC STAMPED LB6940		ELECTRIC BOX
	FOUND CONC. MONUMENT AS NOTED		SIGN
	FOUND IRON PIPE OR IRON ROD AS NOTED		FIRE HYDRANT
	DRAINAGE INLET		WATER VALVE
	MITERED END SECTION		SANITARY MANHOLE
	LIGHT POLE		SANITARY CLEAN OUT
	CONCRETE POWER POLE		SANITARY SEWER VALVE
	WOOD POWER POLE		BENCH MARK
	GUY ANCHOR		

QUANTITIES AND PAYMENT

CONTRACTOR SHALL REFER TO THE BID TABULATION AND PROJECT TECHNICAL SPECIFICATIONS FOR NOTES REGARDING THE METHOD OF PAYMENT FOR SPECIFIC PAY ITEMS. ITEMS NOT SPECIFICALLY REFERENCED IN THE SPECIFICATIONS OR BID TABULATION SHALL BE PAID FOR PER THE LATEST VERSIONS OF THE APPROPRIATE F.D.O.T. DESIGN STANDARDS INDEX AND F.D.O.T. STANDARD SPECIFICATION SECTION.


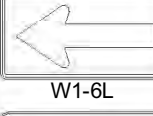

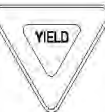











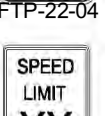



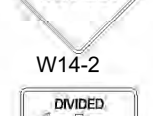



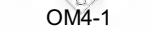

LINETYPE AND HATCHING LEGEND

NOTE: THE DRAWING BELOW IS PROVIDED AS ONLY AN EXAMPLE OF STANDARD LINTYPES AND HATCHING UTILIZED BY THIS FIRM AND IS NOT REPRESENTATIVE OF THE SUBJECT PROJECT.



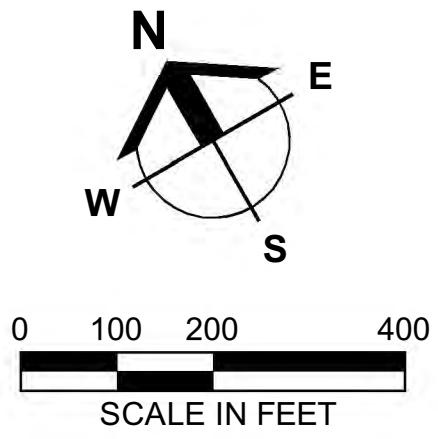
STANDARD STREET SIGNS

THE SIGN LEGEND BELOW IS PROVIDED AS A GRAPHICAL REFERENCE TO ONE OR MORE OF THE SIGNS REQUIRED FOR THIS PROJECT. THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) SHOULD BE REFERENCED FOR SPECIFIC DETAILS AND LOCATION REQUIREMENTS.

 R-1-1	STOP SIGN - ALL STOP SIGNS SHALL INCLUDE A 24" WIDE PAINTED STOP BAR OR CONTRASTING COLOR OF BRICK PAVERS	 W1-6L	LARGE LEFT ARROW (ONE DIRECTION) SIGN	 R3-7L	LEFT LANE MUST TURN LEFT SIGN
 R-1-2	YIELD SIGN	 W1-6R	LARGE RIGHT ARROW (ONE DIRECTION) SIGN	 R3-7R	RIGHT LANE MUST TURN RIGHT SIGN
 R-5-1	DO NOT ENTER SIGN	 W1-7	TWO-DIRECTION LARGE ARROW SIGN	 R6-1L	ONE WAY LEFT SIGN
 FTP-20-04 FTP-22-04	HANDICAP PARKING SIGN	 W11-2	PEDESTRIAN CROSSING SIGN	 R6-1R	ONE WAY RIGHT SIGN
 R-2-1	SPEED LIMIT SIGN	 W16-7L	DIAGONAL ARROW PLAQUE	 R3-5L	LEFT TURN ONLY SIGN
 R-4-7	KEEP RIGHT SIGN	 W16-7R		 R3-5R	RIGHT TURN ONLY SIGN
 CONSERVATION AREA NORTH CASCADIAN CLIMAX PLATEAU	PRESERVE SIGN	 W14-2	NO OUTLET SIGN	 R3-6L	LEFT STRAIGHT OPTIONAL LANE SIGN
		 R6-3	DIVIDED HIGHWAY SIGN	 R3-6R	
		 OM4-1	END OF ROADWAY MARKERS	 NO PARKING FIRE LANE SIGN	NO PARKING FIRE LANE SIGN

GENERAL DRAINAGE NOTES:

1. THE LENGTH OF STORM DRAIN PIPES SHOWN ON PLANS ARE APPROXIMATE AND HAVE BEEN MEASURED FROM THE INSIDE FACE OF STRUCTURE.
2. THE CONTRACTOR IS REQUIRED TO ADJUST ALL EXISTING AND PROPOSED VALVE BOXES, MANHOLE RIMS, GRATES, ETC. AS REQUIRED TO MATCH PROPOSED GRADES.
3. ALL UNPAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE SEEDED AND MULCHED UNLESS NOTED OTHERWISE. WATERING WILL BE REQUIRED TO OBTAIN STABILIZATION / GROWTH AND TO PROVIDE DUST CONTROL.
4. EXISTING OFF-SITE DRAINAGE PATTERNS SHALL BE MAINTAINED DURING CONSTRUCTION.
5. SWALE PROFILES SHOWN ARE TO TOP OF SOD. CONTRACTOR TO ADJUST SWALE GRADING ACCORDINGLY.
6. SOD A 24" STRIP BEHIND ALL CONCRETE CURB AND VALLEY GUTTER AND AT THE EDGE OF ANY PAVEMENT. IN ADDITION TO LOCATIONS INDICATED IN THE TYPICAL SECTIONS, ALL SLOPES THAT ARE STEEPER THAN 4:1 SHALL BE SODDED, UNLESS INDICATED OTHERWISE. REMAINING AREAS WITHIN THE DISTURBED AREA SHALL BE SEEDED, FERTILIZED AND MULCHED.
7. THE CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL ENCOUNTERED FROM FILL AREAS PRIOR TO PLACEMENT OF FILL. ALL UNSUITABLE MATERIAL EXCAVATED SHALL BE STOCKPILED OR REMOVED AS DIRECTED BY OWNER.
8. YARD DRAINS SHALL BE ADDED IN GREEN AREAS AS NECESSARY AT THE DIRECTION OF THE LANDSCAPE ARCHITECT OR ENGINEER.
9. FOR LAKE BANKS, A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY (MODIFIED PROCTOR) FOR EMBANKMENTS THAT WILL SUPPORT STRUCTURES, AND 90 PERCENT OF MAXIMUM DRY DENSITY (MODIFIED PROCTOR) FOR OTHER EMBANKMENTS IN ACCORD WITH ASTM D1557 MUST BE OBTAINED [10-329(D)(4)A.]
10. THE TOP OF ALL ENDWALLS SHALL BE NO HIGHER THAN 30" BELOW THE LAKE CONTROL ELEVATION. THE CONTRACTOR SHALL REVIEW PROPOSED STRUCTURE LOCATIONS WITH THE ENGINEER AFTER STAKEOUT AND BEFORE COMMENCING CONSTRUCTION. ALL DRAINAGE STRUCTURES TO BE LOCATED ON THE LAKE BANK SHALL BE FIELD ADJUSTED SO AS TO INSET THE STRUCTURE, TO THE GREATEST EXTENT POSSIBLE, IN THE LAKE BANK.



CONSERVATION AREA
MITIGATION AREA GH

CONSERVATION AREA
MITIGATION AREA CD

CONSERVATION AREA
MITIGATION AREA I

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FLORIDA CERTIFICATES OF AUTHORIZATION
ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR

LENNAR

LENNAR HOMES
10471 BEN C PRATT / 6 MILE
CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966

PHONE (239) 278-1177
FAX (239) 931-4749

PROJECT DESCRIPTION

WildBlue

LEE COUNTY, FLORIDA

ENGINEER OF RECORD

TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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LOCATION = J:\23795A\DWG\DO

PLOT DATE = TUE. 1-14-2020 - 9:19 AM

PLOT BY = SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS

BASEPLAN = 23795A00.DWG
SURVEY = 23372S00.DWG

PLAN REVISIONS

10-14-19	DO COMMENTS DATED 10-14-19

PLAN STATUS

APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

**MASTER
DRAINAGE
PLAN**

PROJECT / FILE NO.

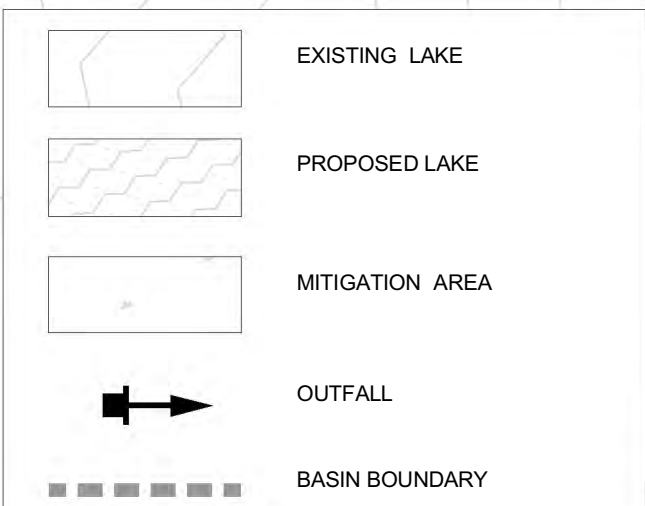
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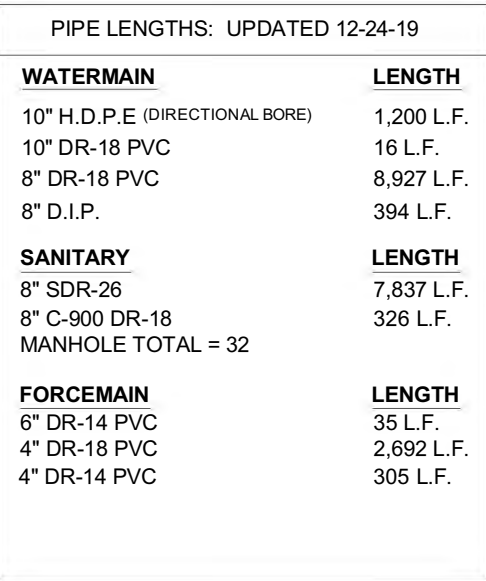
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WATER MANAGEMENT SUMMARY		
WATER MANAGEMENT CRITERIA	BASIN C	WILDBLUE LAKE NORTH
5-YR, 1-DAY RAINFALL DEPTH	5.5in	5.5in
25-YR, 3-DAY RAINFALL DEPTH	10.8in	10.8in
100-YR, 3-DAY RAINFALL DEPTH	13.5in	13.5in
CONTROL ELEVATION	21.80' NAVD	19.80' NAVD
PEAK 5-YR, 1-DAY STORM STAGE	23.02' NAVD	20.24' NAVD
PEAK 25-YR, 3-DAY STORM STAGE	25.36' NAVD	21.16' NAVD
PEAK 100-YR, 3-DAY (zero-discharge) STAGE	25.41' NAVD	20.93' NAVD
MINIMUM CALCULATED PAVEMENT ELEVATION	23.8' NAVD	-
MINIMUM PROPOSED PAVEMENT ELEVATION	24.3' NAVD	-
MINIMUM CALCULATED PERIMETER BERM ELEVATION	24.1' NAVD	21.2' NAVD
MINIMUM PROPOSED PERIMETER BERM ELEVATION	24.1' NAVD	21.2' NAVD
MINIMUM CALCULATED FINISHED FLOOR ELEVATION	25.5' NAVD	-
MINIMUM PROPOSED FINISHED FLOOR ELEVATION	25.8' NAVD	-

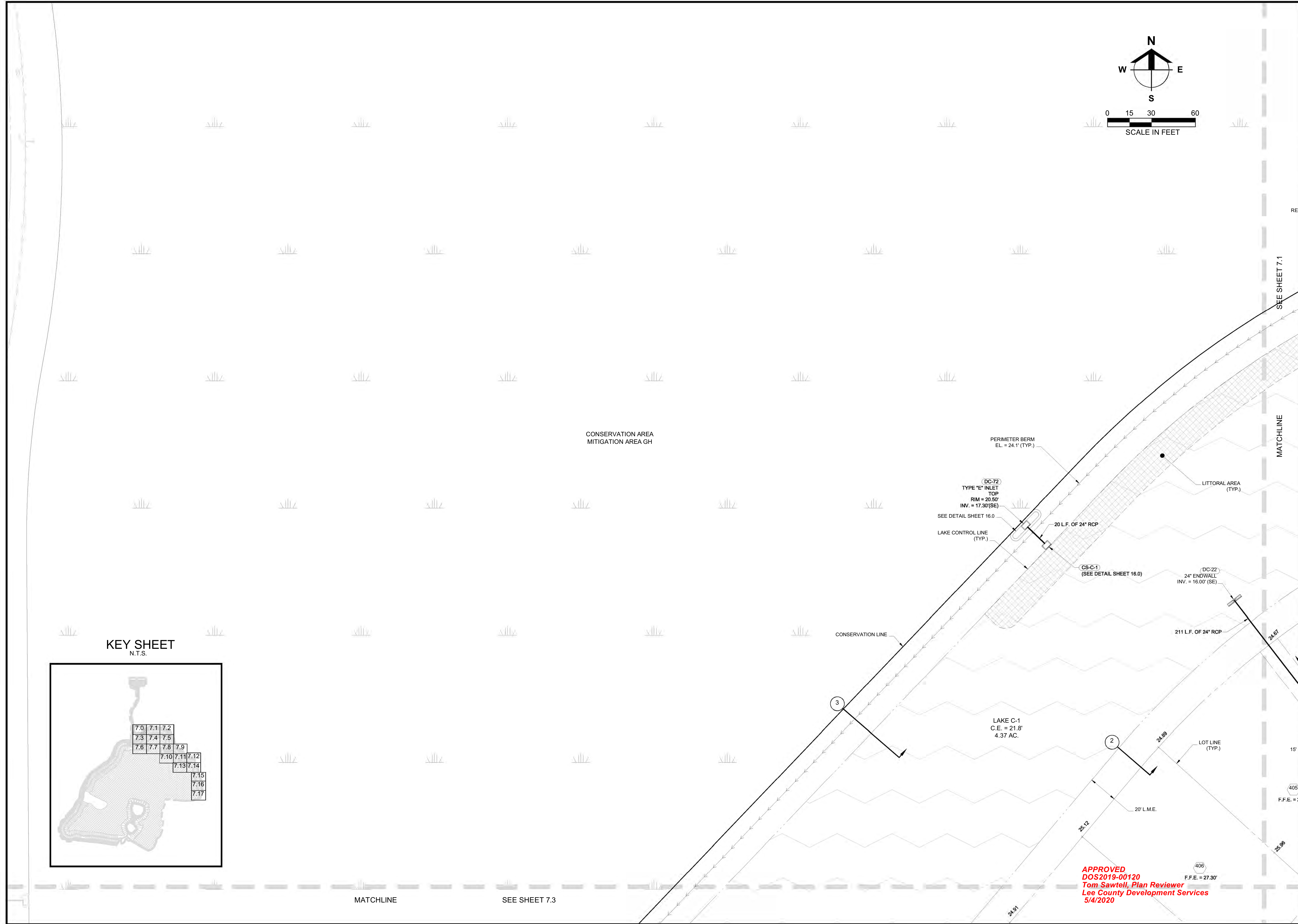
LEGEND



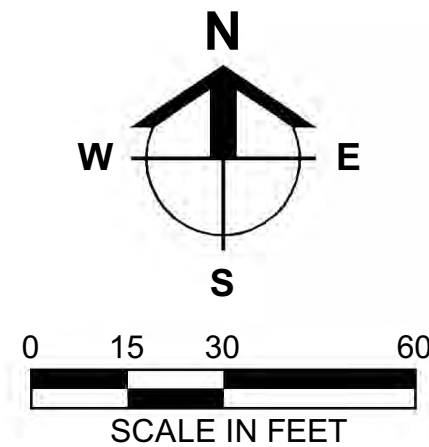
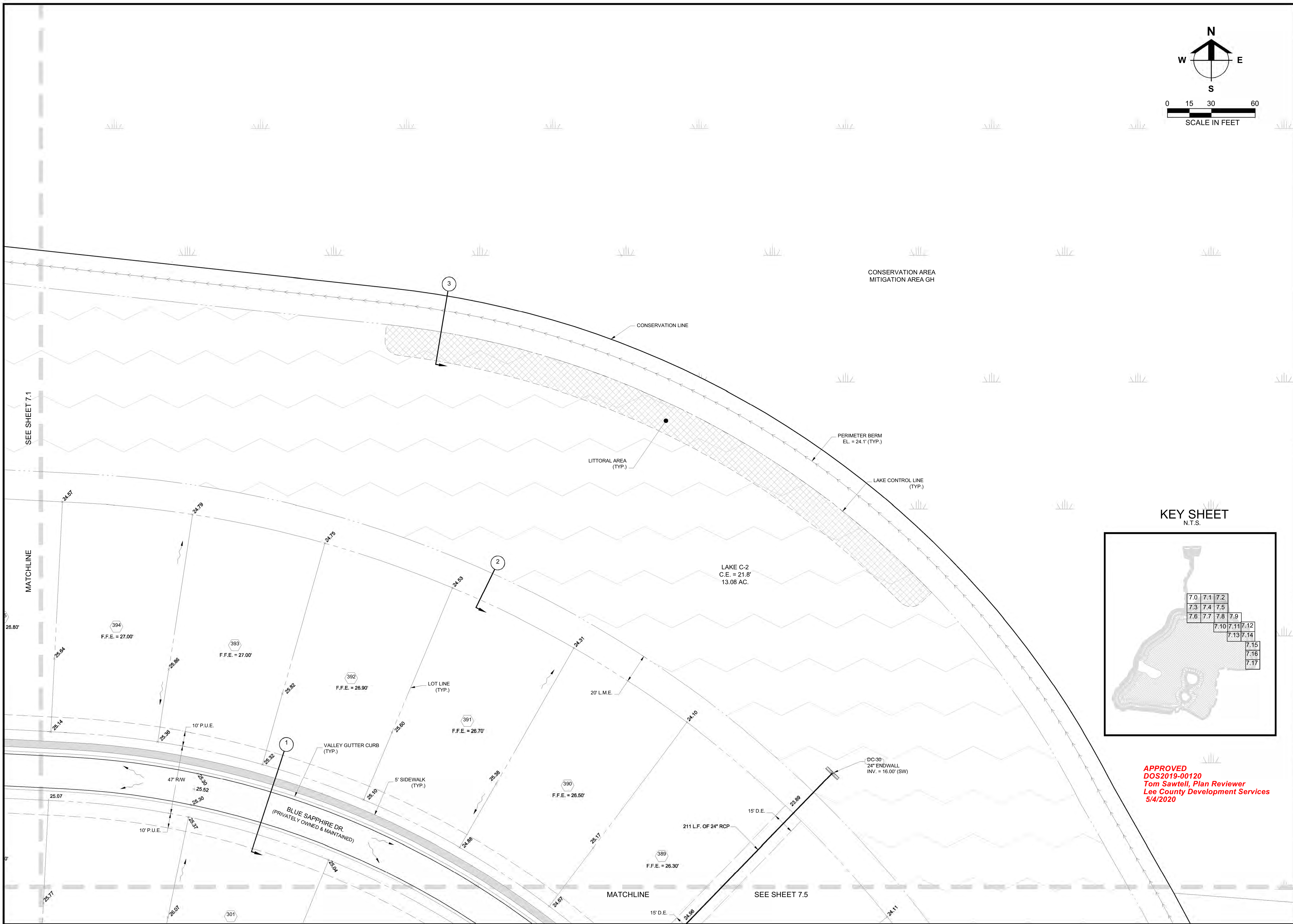
APPROVED
DOS2019-00120
Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020



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LENNAR HOMES 10471 BEN C PRATT / 6 MILE CYPRESS PARKWAY FORT MYERS, FLORIDA 33966	
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PROJECT DESCRIPTION	
WildBlue	
LEE COUNTY, FLORIDA	
ENGINEER OF RECORD	
TIMOTHY B. GAVIN, P.E. FOR THE FIRM FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET	
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PLOT BY	SCOTT WHEELER JR
CROSS REFERENCED DRAWINGS	
BASEPLAN = 23795A00.DWG SURVEY = 2372S00.DWG	
PLAN REVISIONS	
10-14-19	DO COMMENTS DATED 10-14-19
PLAN STATUS	
APPROVAL SUBMITTAL PLANS NOT FOR CONSTRUCTION	
MASTER UTILITY PLAN	
PROJECT / FILE NO.	SHEET NUMBER
23795	6.0



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ENGINEER OF RECORD

TIMOTHY B. GAVIN, P.E., FOR THE FIRM
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LOCATION J:\23795\DWG\DO\

PLOT DATE TUE. 1-14-2020 - 9:22 AM

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CROSS REFERENCED DRAWINGS

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SURVEY = 23372S00.DWG

PLAN REVISIONS

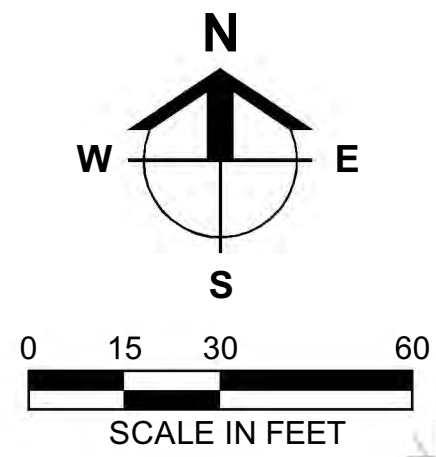
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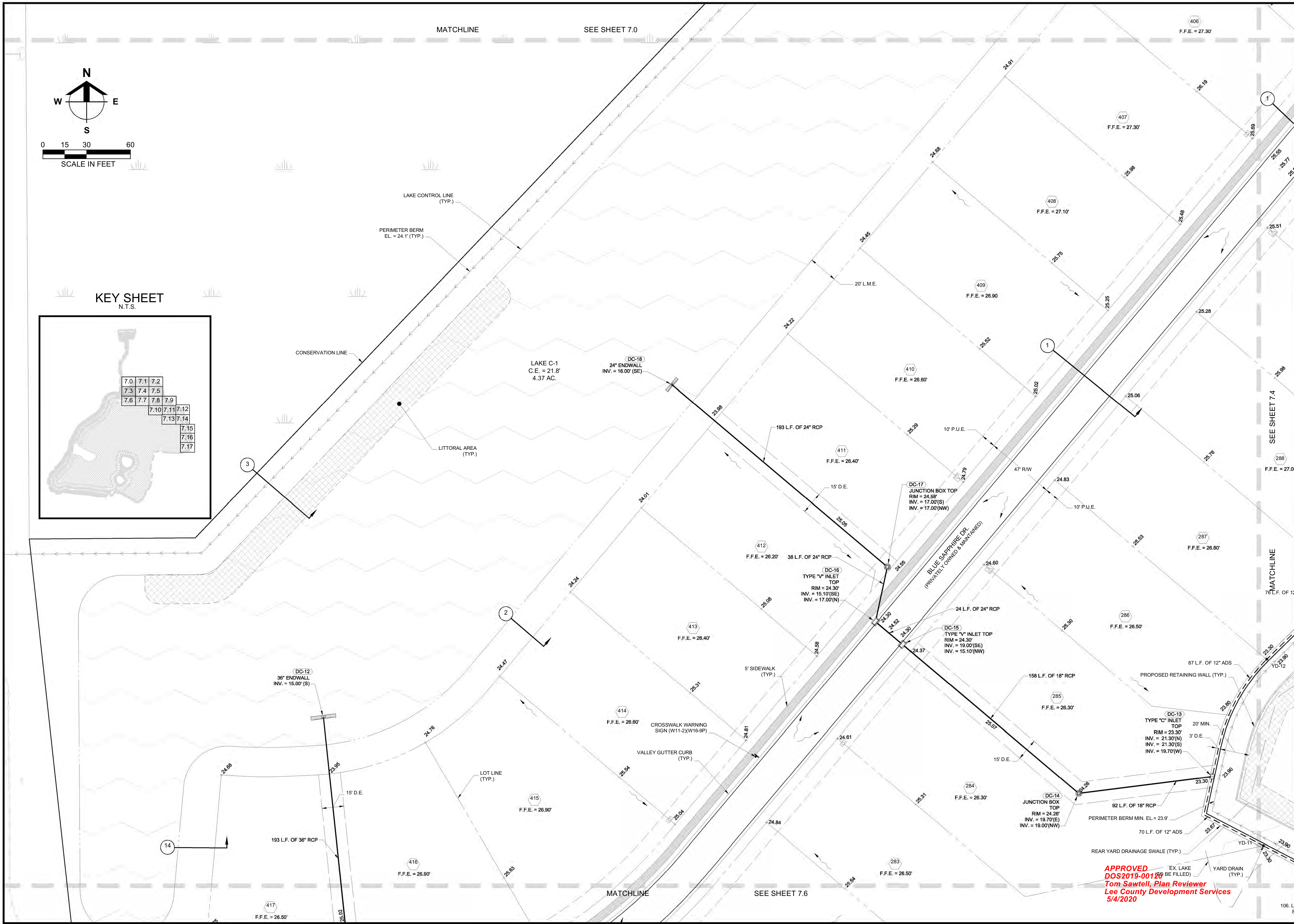
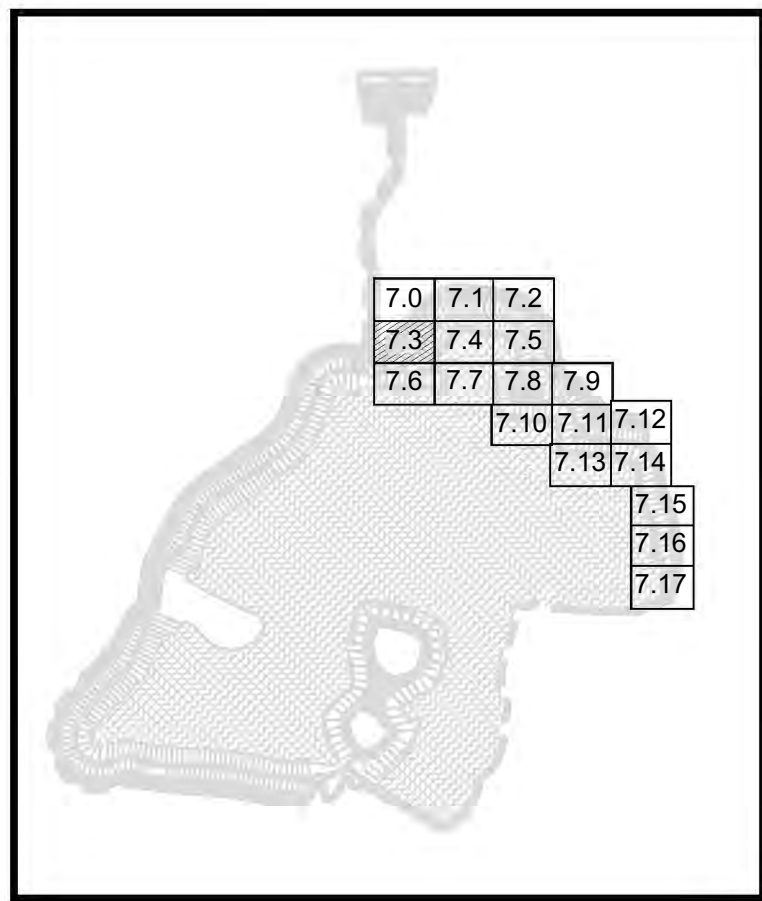
APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

DETAILED PAVING,
GRADING, AND
DRAINAGE PLANS

PROJECT / FILE NO.	SHEET NUMBER
23795	7.2



KEY SHEET
N.T.S.



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LEE COUNTY, FLORIDA

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LOCATION | J:\23795\DWG\DO
PLOT DATE | TUE. 1-14-2020 - 9:23 AM
PLOT BY | SCOTT WHEELER JR

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SURVEY = 23372S00.DWG

PLAN REVISIONS

PLAN STATUS

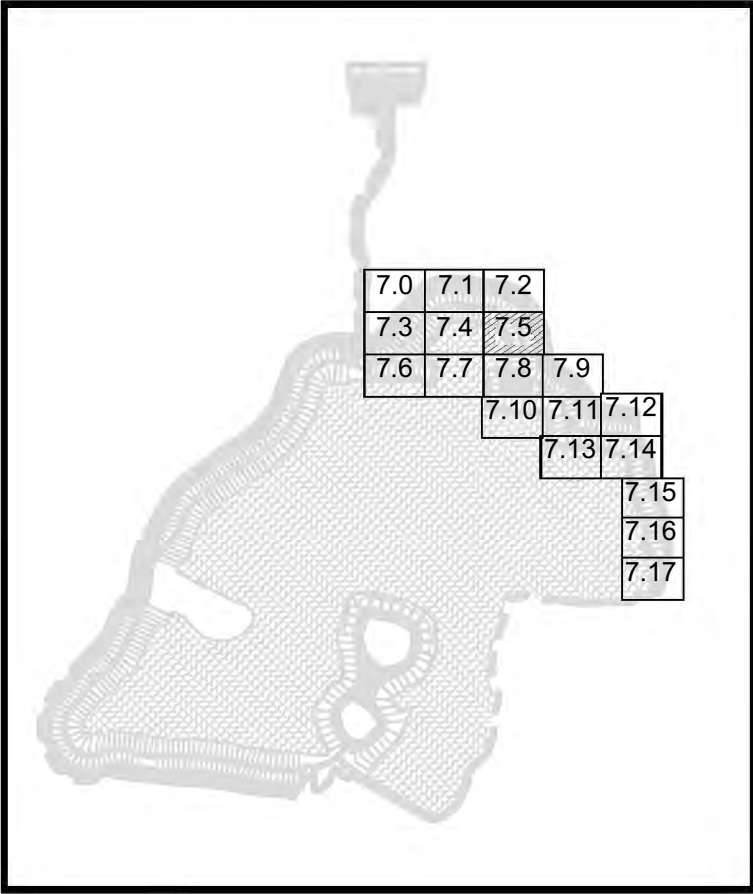
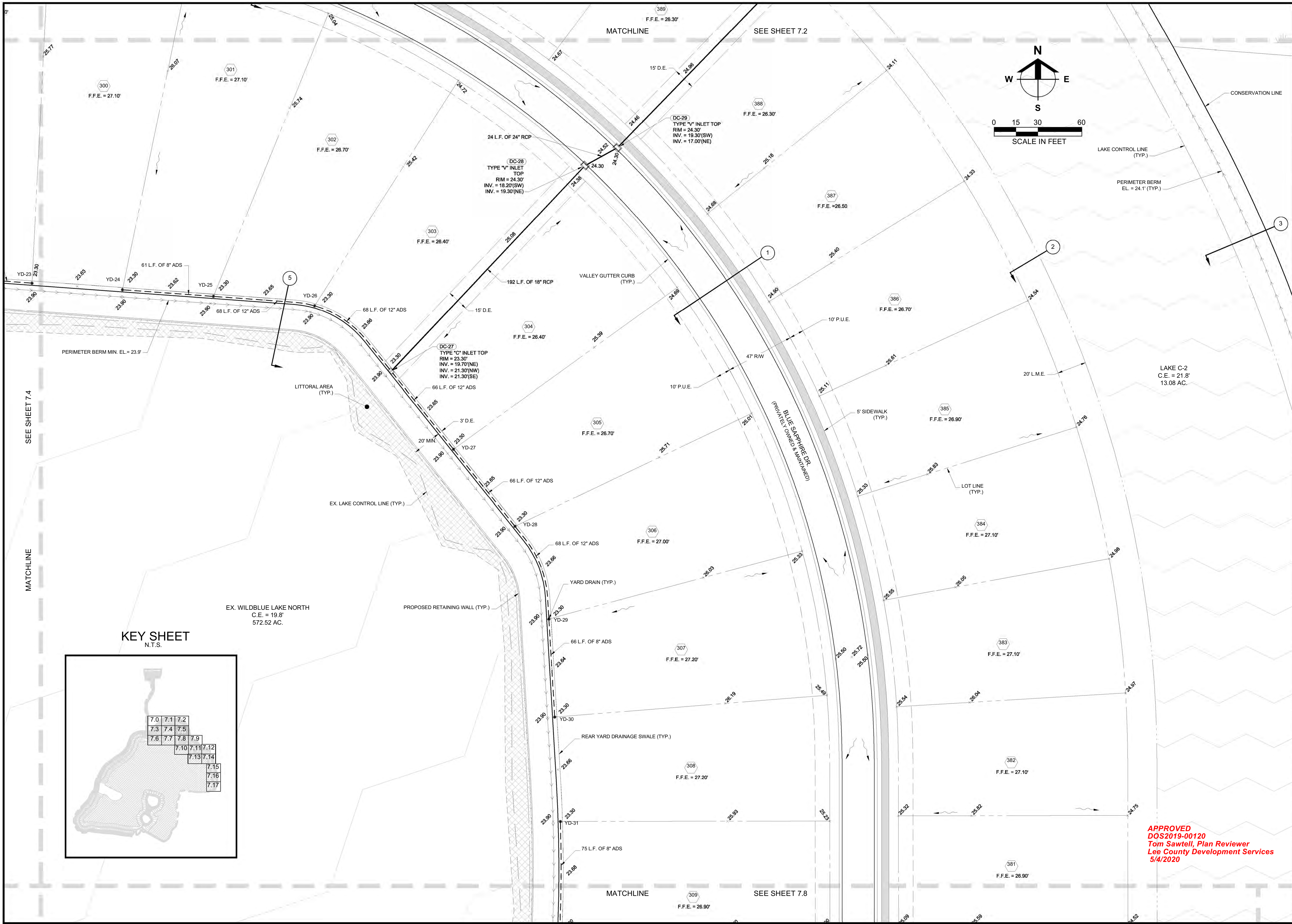
APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

DETAILED PAVING,
GRADING, AND
DRAINAGE PLANS

PROJECT / FILE NO.
23795

SHEET NUMBER
7.3

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Lee County Development Services
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FLORIDA CERTIFICATES OF AUTHORIZATION
ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR

LENNAR

LENNAR HOMES
10471 BEN C PRATT / 6 MILE
CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966

PHONE (239) 278-1177
FAX (239) 931-4749

PROJECT DESCRIPTION

WildBlue

LEE COUNTY, FLORIDA

ENGINEER OF RECORD
TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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FILE NAME J:\23795A\15.DWG

LOCATION J:\23795A\DWG\DO

PLOT DATE TUE. 1-14-2020 - 9:24 AM

PLOT BY SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS
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SURVEY = 23372S00.DWG

PLAN REVISIONS

PLAN STATUS

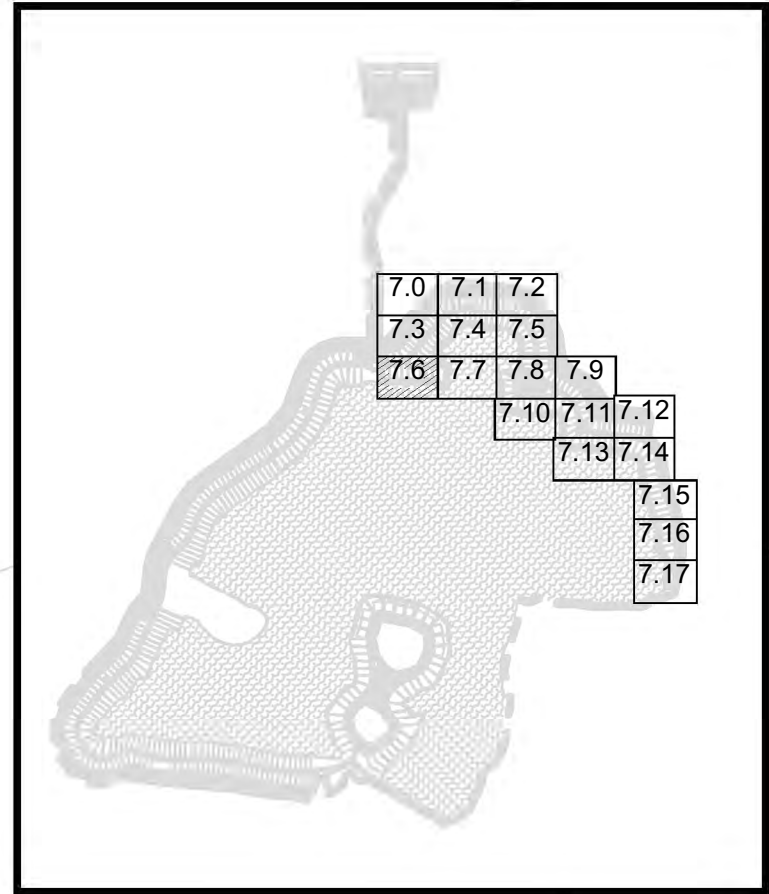
APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION





DETAILED PAVING,
GRADING, AND
DRAINAGE PLANS

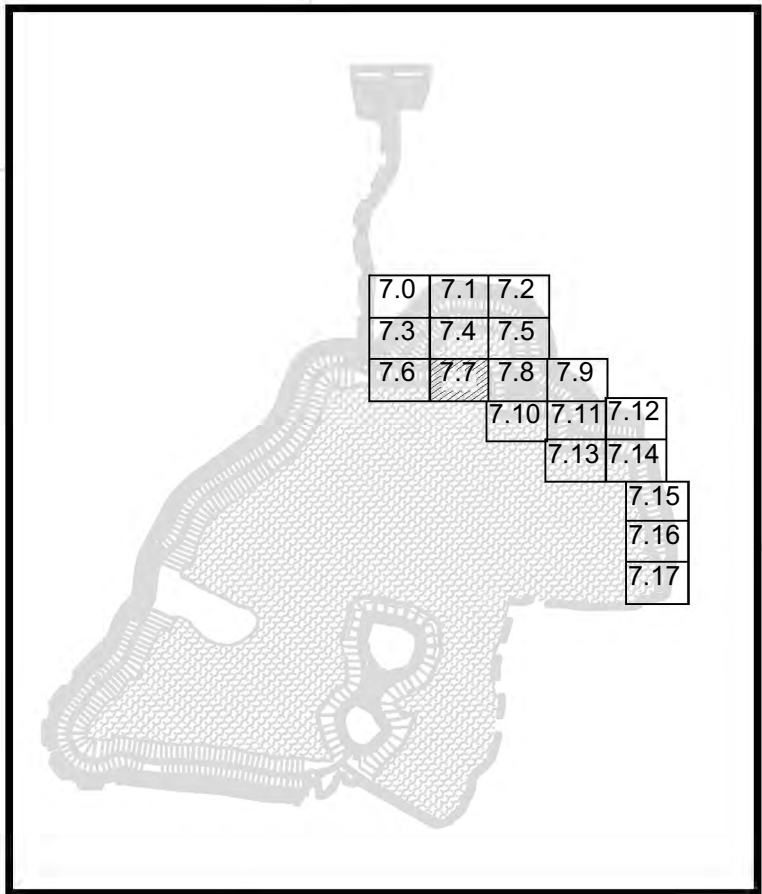
PROJECT / FILE NO.
23795

SHEET NUMBER
7.5

APPROVED
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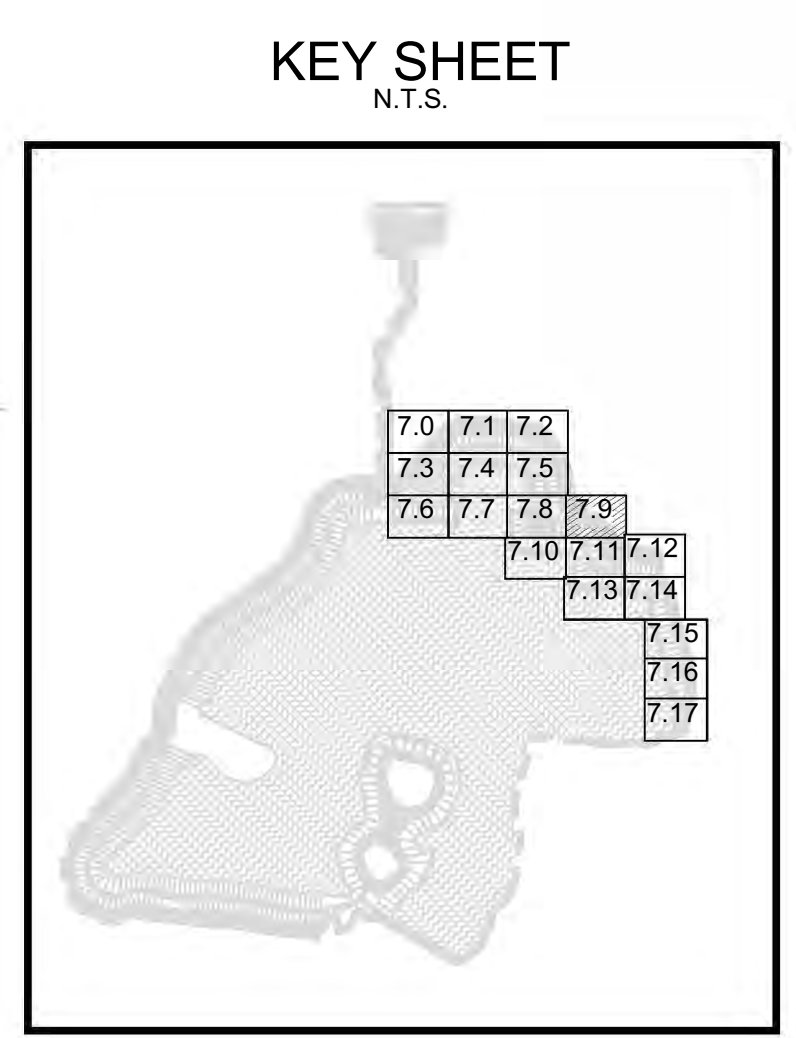
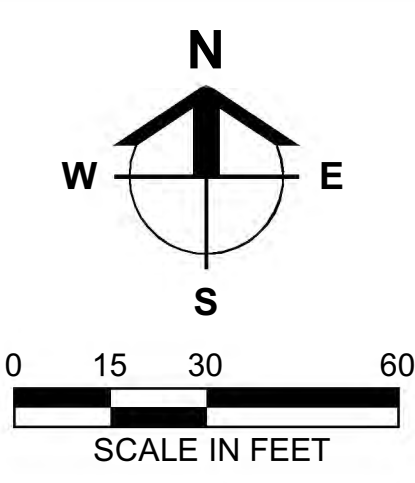
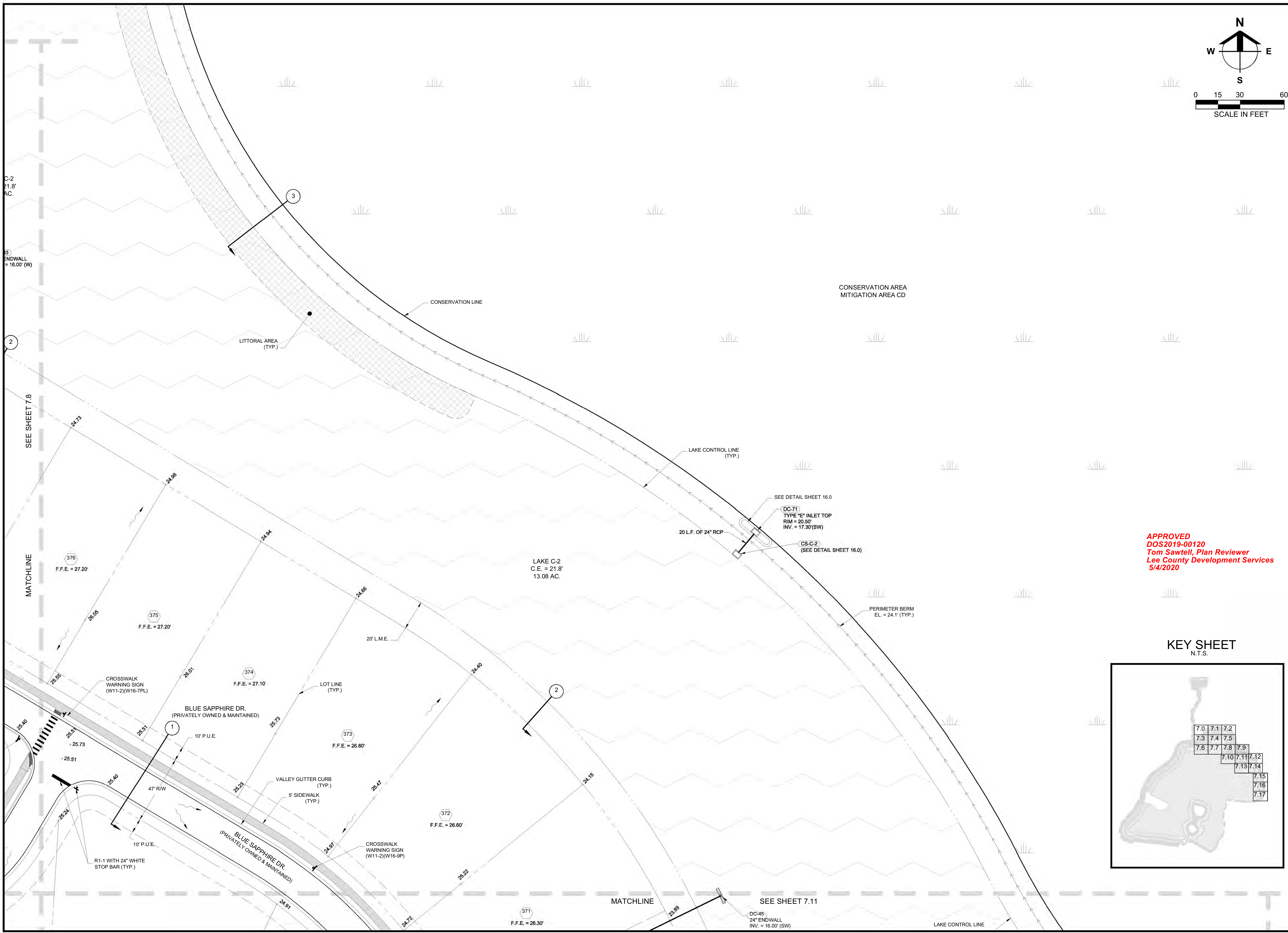


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PREPARED FOR	
<div style="text-align: center;"> LENNAR LENNAR HOMES 10471 BEN C PRATT / 6 MILE CYPRRESS PARKWAY FORT MYERS, FLORIDA 33966</div>	
PHONE (239) 278-1177 FAX (239) 931-4749	
PROJECT DESCRIPTION	
<div style="text-align: center;"> WildBlue LEE COUNTY, FLORIDA</div>	
ENGINEER OF RECORD	
TIMOTHY B. GAVIN, P.E., FOR THE FIRM FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET	
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LOCATION J:\23795\DWG\DOI\	
PLOT DATE TUE. 1-14-2020 - 9:24 AM	
PLOT BY SCOTT WHEELER JR	
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PLAN REVISIONS	
10-14-19	DO COMMENTS DATED 10-14-19 
PLAN STATUS	
APPROVAL SUBMITTAL PLANS NOT FOR CONSTRUCTION	
DETAILED PAVING, GRADING, AND DRAINAGE PLANS	
PROJECT / FILE NO.	SHEET NUMBER
23795	7.6



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PREPARED FOR	
<div style="text-align: center;"><h1>LENNAR®</h1></div>	
LENNAR HOMES 10471 BEN C PRATT / 6 MILE CYPRESS PARKWAY FORT MYERS, FLORIDA 33966	
PHONE (239) 278-1177 FAX (239) 931-4749	
PROJECT DESCRIPTION	
<div style="text-align: center;"><h1>WildBlue</h1></div>	
LEE COUNTY, FLORIDA	
ENGINEER OF RECORD	
TIMOTHY B. GAVIN, P.E. FOR THE FIRM FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET	
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PLAN REVISIONS	
PLAN STATUS	
APPROVAL SUBMITTAL PLANS NOT FOR CONSTRUCTION	
DETAILED PAVING, GRADING, AND DRAINAGE PLANS	
PROJECT / FILE NO.	SHEET NUMBER
23795	7.7





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ENGINEERING 7995 - SURVEYING LB-6940

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PROJECT DESCRIPTION
WildBlue
LEE COUNTY, FLORIDA

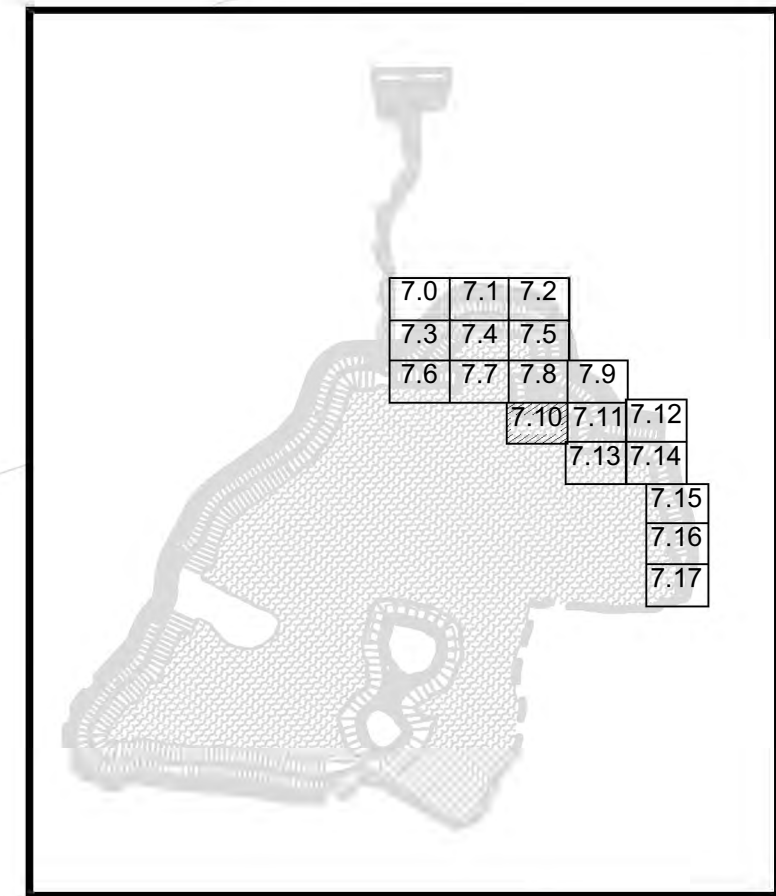
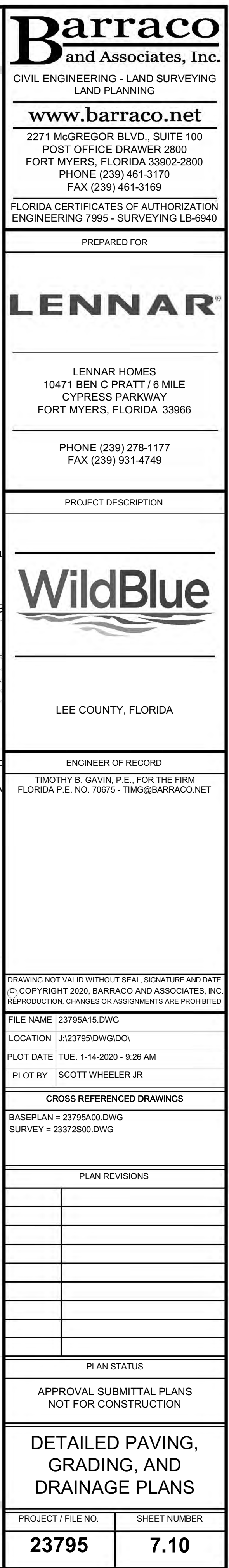
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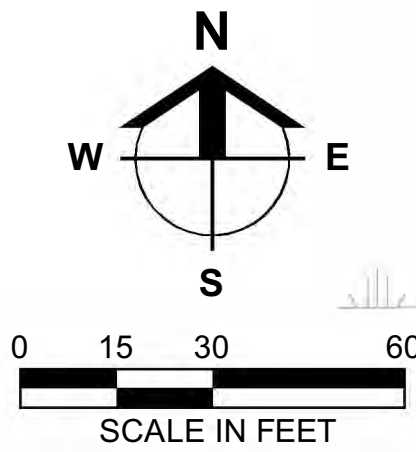
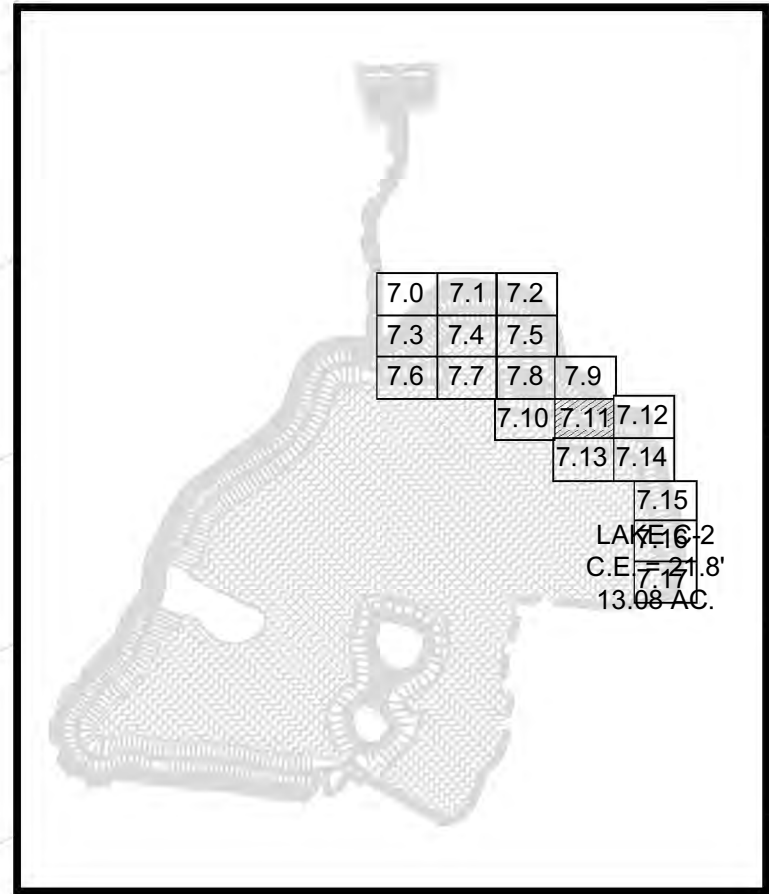
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PLAN REVISIONS

PLAN STATUS
APPROVAL SUBMITTAL PLANS NOT FOR CONSTRUCTION

DETAILED PAVING, GRADING, AND DRAINAGE PLANS	
PROJECT / FILE NO.	SHEET NUMBER
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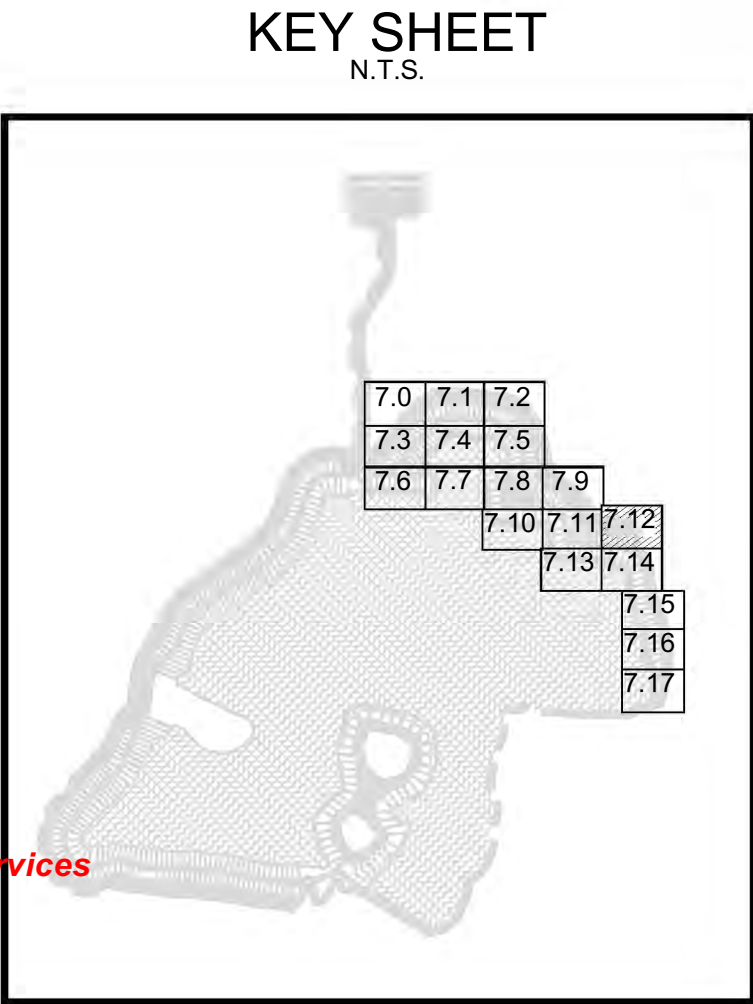
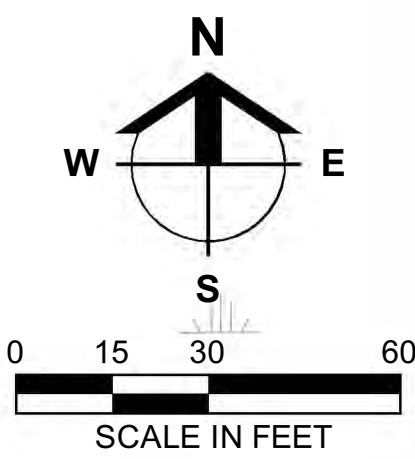
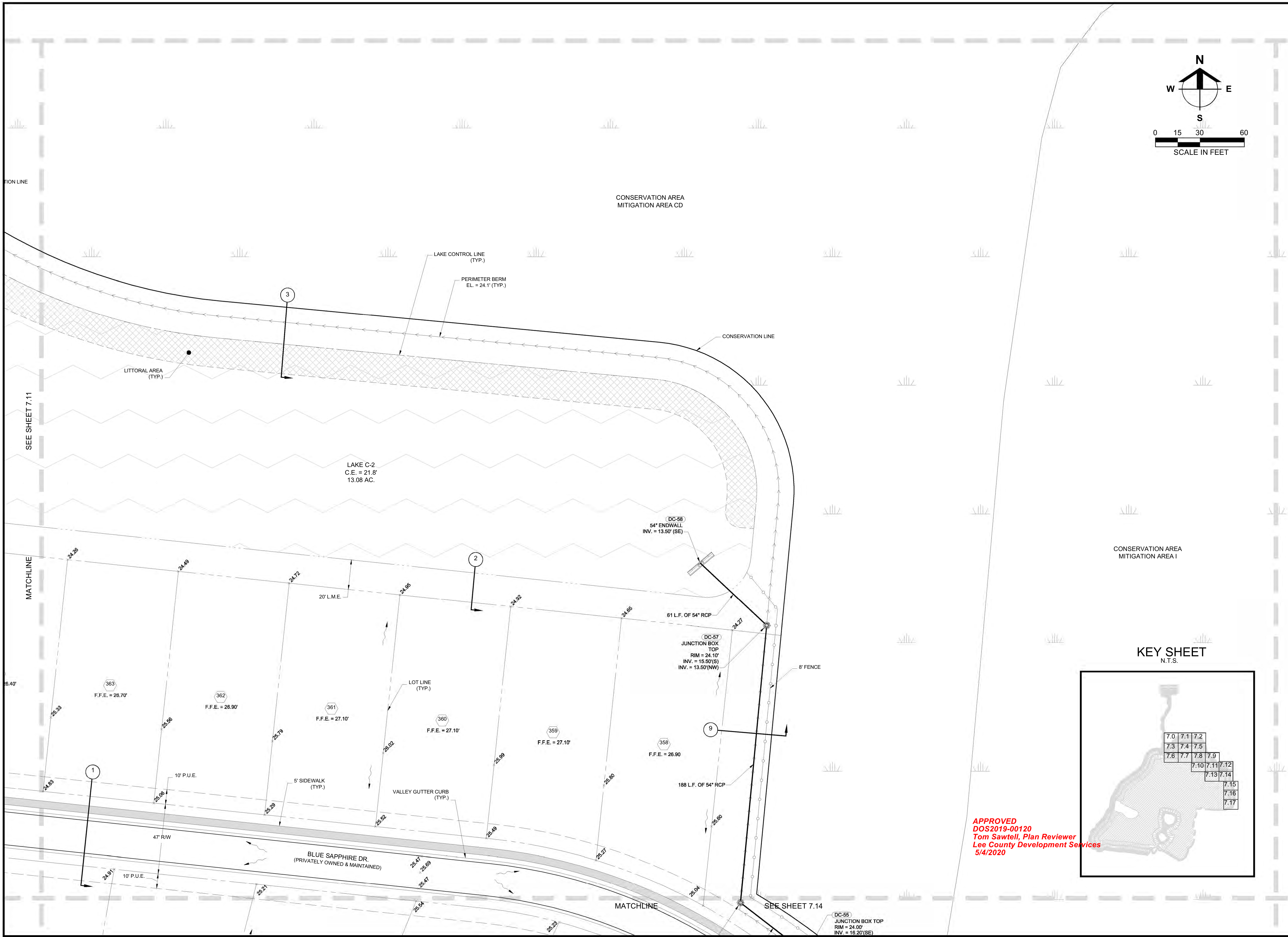




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SURVEY = 23372S00.DWG

PROJECT / FILE NO.	SHEET NUMBER
23795	7.11



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PREPARED FOR

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FAX (239) 931-4749

PROJECT DESCRIPTION

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LOCATION = J:\23795\DWG\DO
PLOT DATE = TUE. 1-14-2020 - 9:27 AM
PLOT BY = SCOTT WHEELER JR

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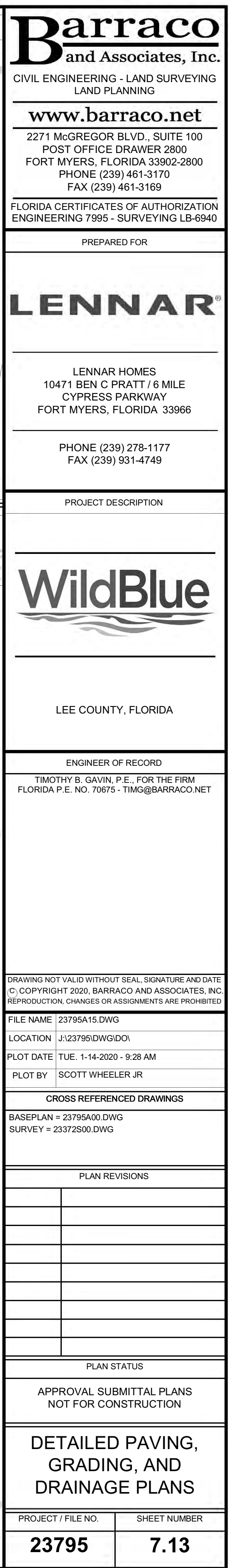
PLAN REVISIONS

PLAN STATUS
APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

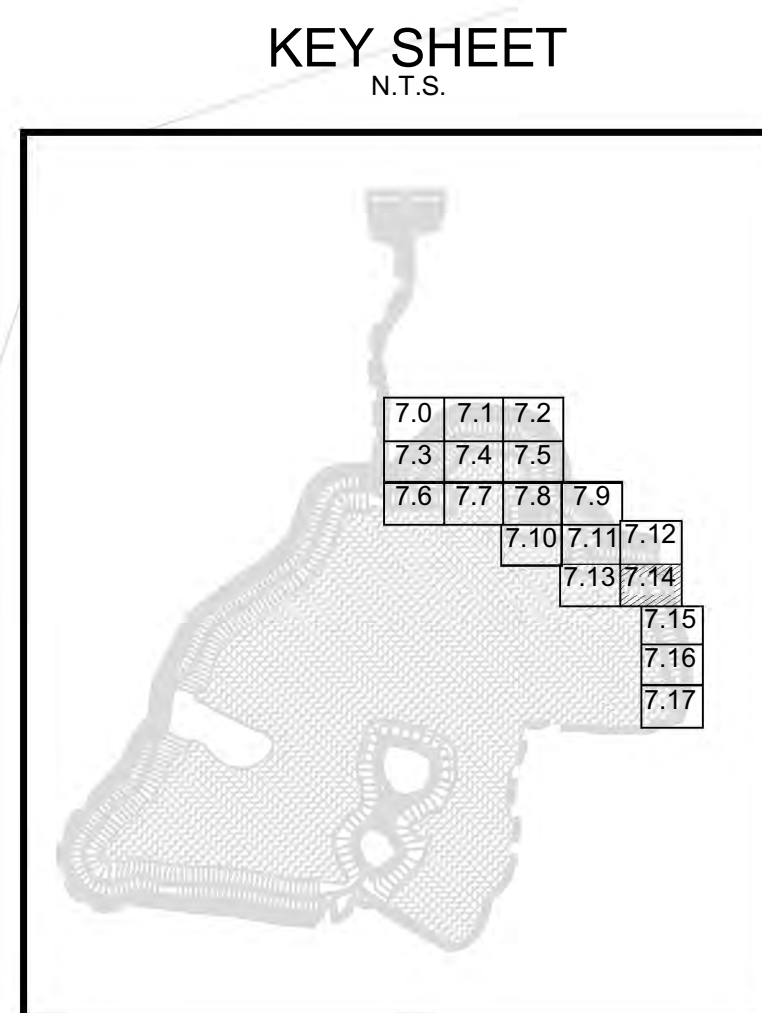
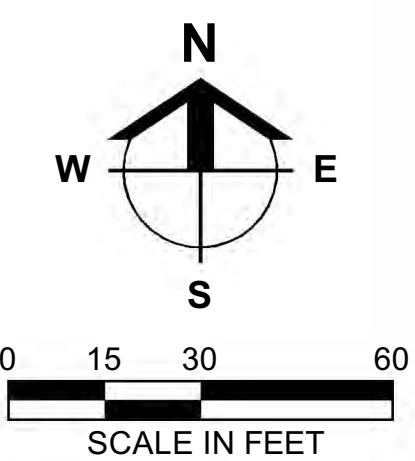
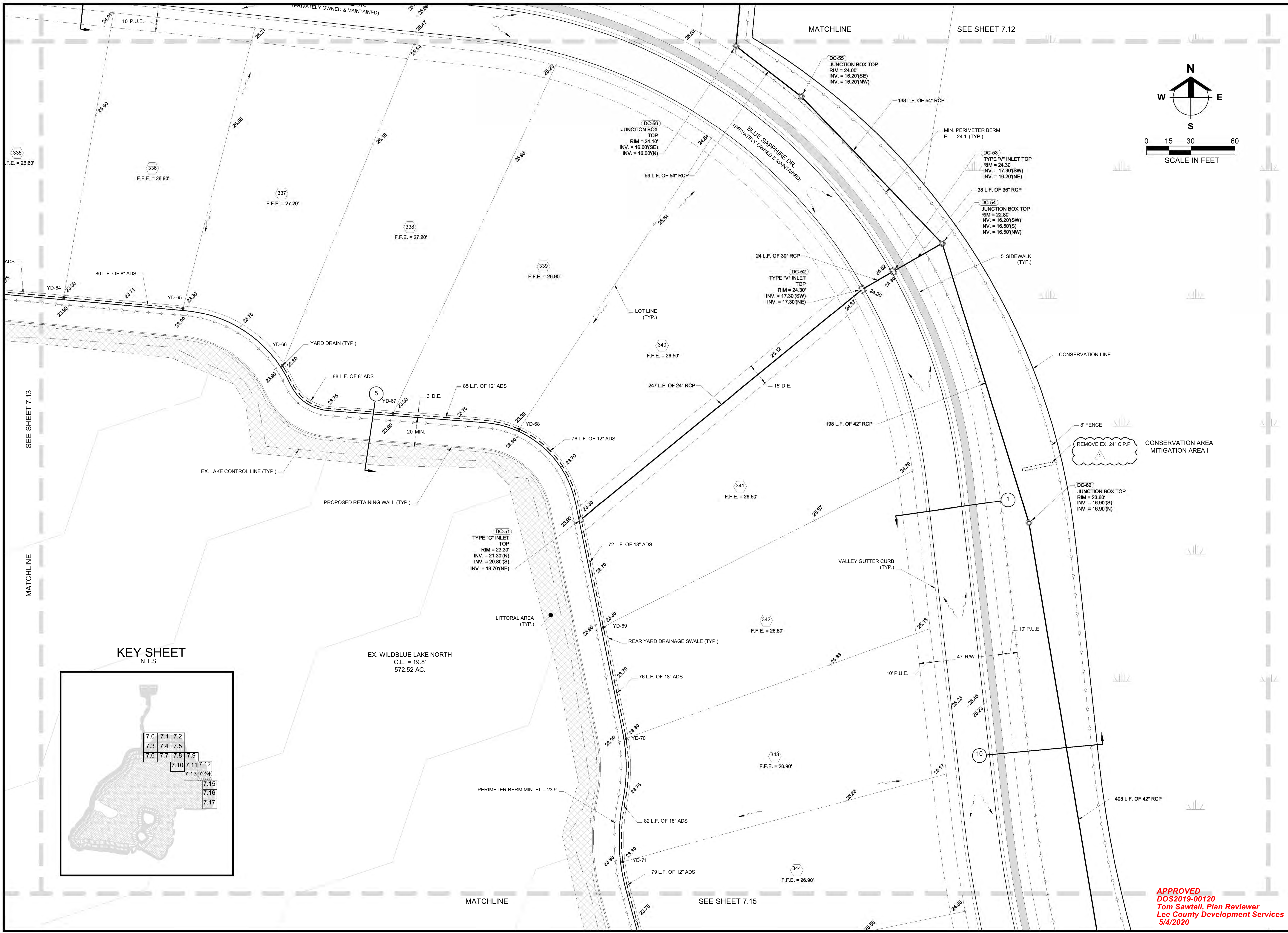
DETAILED PAVING,
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DRAINAGE PLANS

PROJECT / FILE NO.
23795

SHEET NUMBER
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PROJECT DESCRIPTION	
<div>WildBlue</div> <div>LEE COUNTY, FLORIDA</div>	
ENGINEER OF RECORD	
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PLAN REVISIONS	
PLAN STATUS	
APPROVAL SUBMITTAL PLANS NOT FOR CONSTRUCTION	
DETAILED PAVING, GRADING, AND DRAINAGE PLANS	
PROJECT / FILE NO.	SHEET NUMBER
23795	7.13



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PREPARED FOR

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CYPRESS PARKWAY
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PROJECT DESCRIPTION

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LOCATION J:\23795\DWG\DO

PLOT DATE MON. 1-20-2020 - 11:06 AM

PLOT BY SCOTT WHEELER JR

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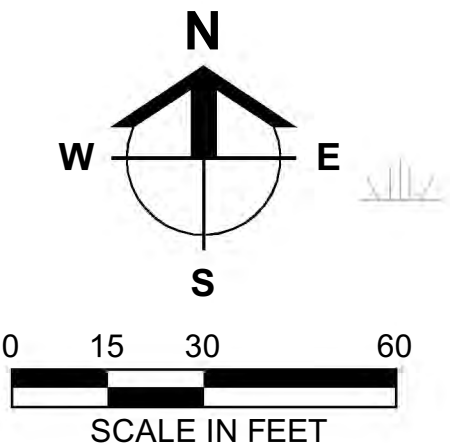
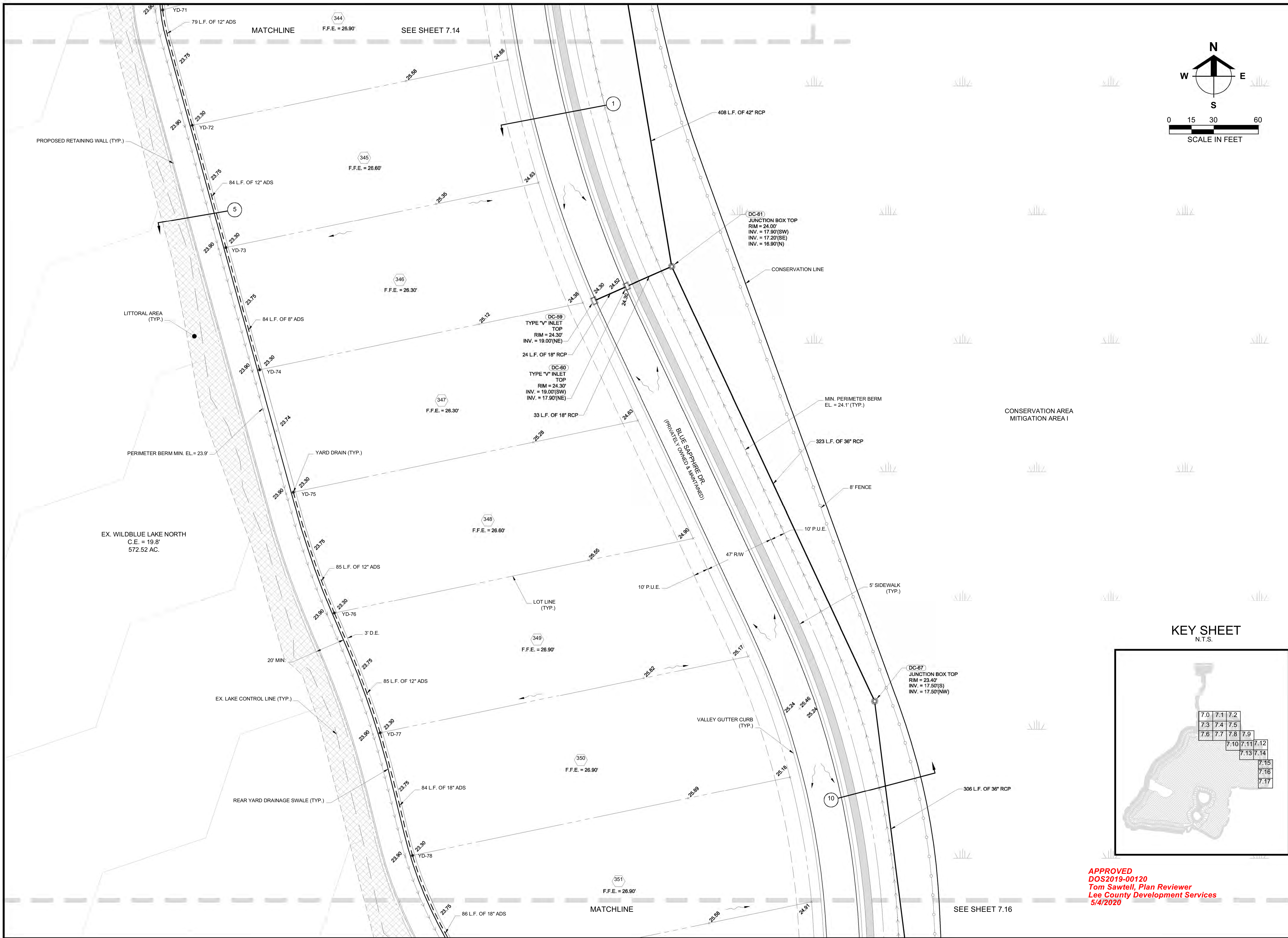
PLAN REVISIONS
10-14-19 DO COMMENTS DATED 10-14-19

PLAN STATUS
APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

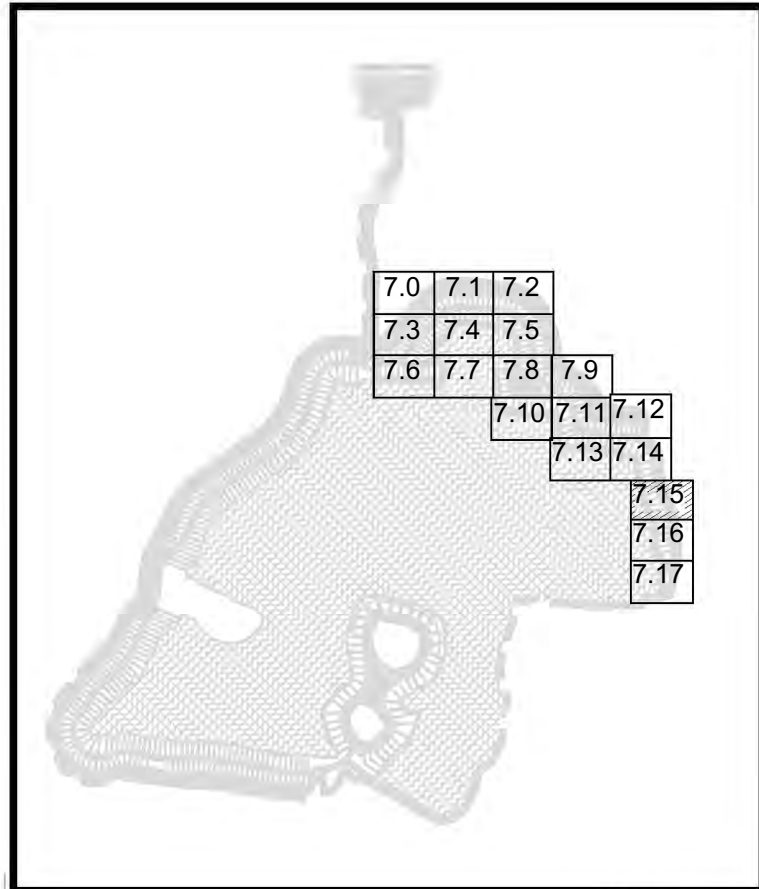
DETAILED PAVING,
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PROJECT / FILE NO.
23795

SHEET NUMBER
7.14



KEY SHEET
N.T.S.



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FLORIDA CERTIFICATES OF AUTHORIZATION
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CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966

PHONE (239) 278-1177
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PROJECT DESCRIPTION

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LEE COUNTY, FLORIDA

ENGINEER OF RECORD
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FILE NAME | 23795A15.DWG

LOCATION | J:\23795\DWG\DO

PLOT DATE | TUE, 1-14-2020 - 9:29 AM

PLOT BY | SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS
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SURVEY = 23372S00.DWG

PLAN REVISIONS

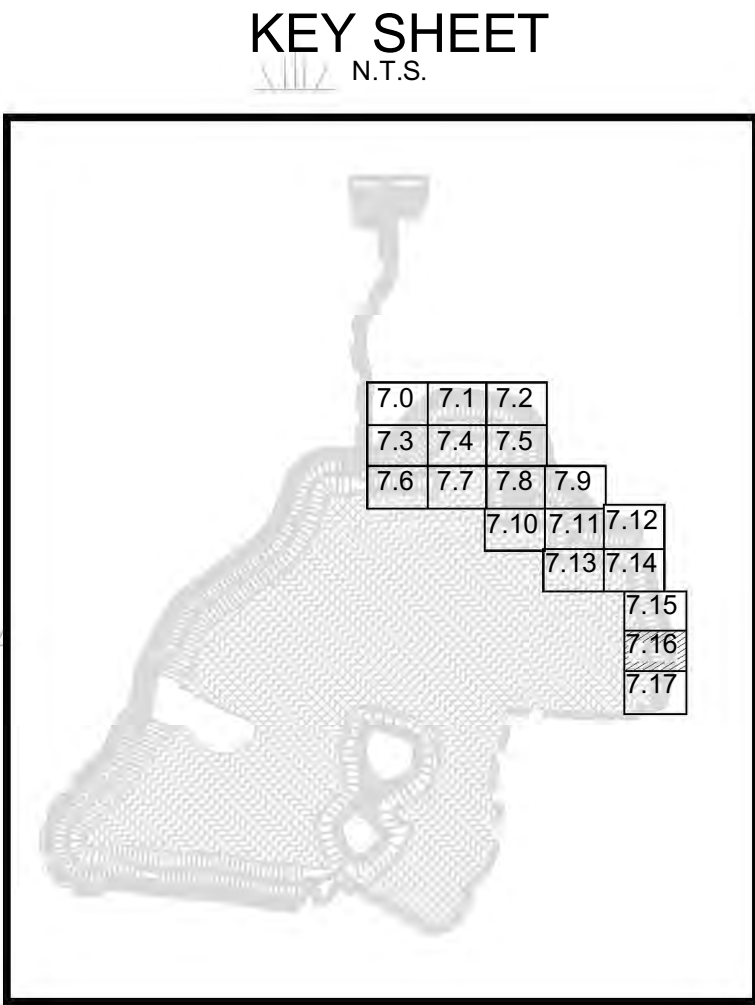
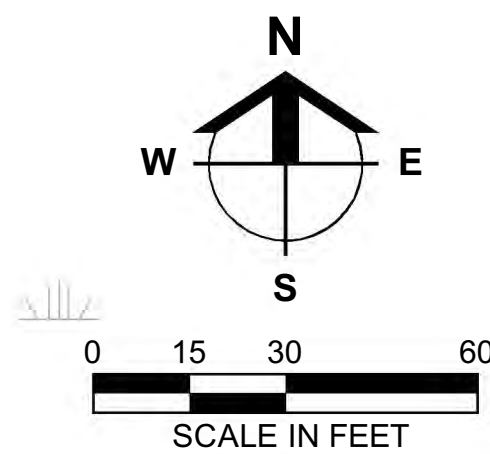
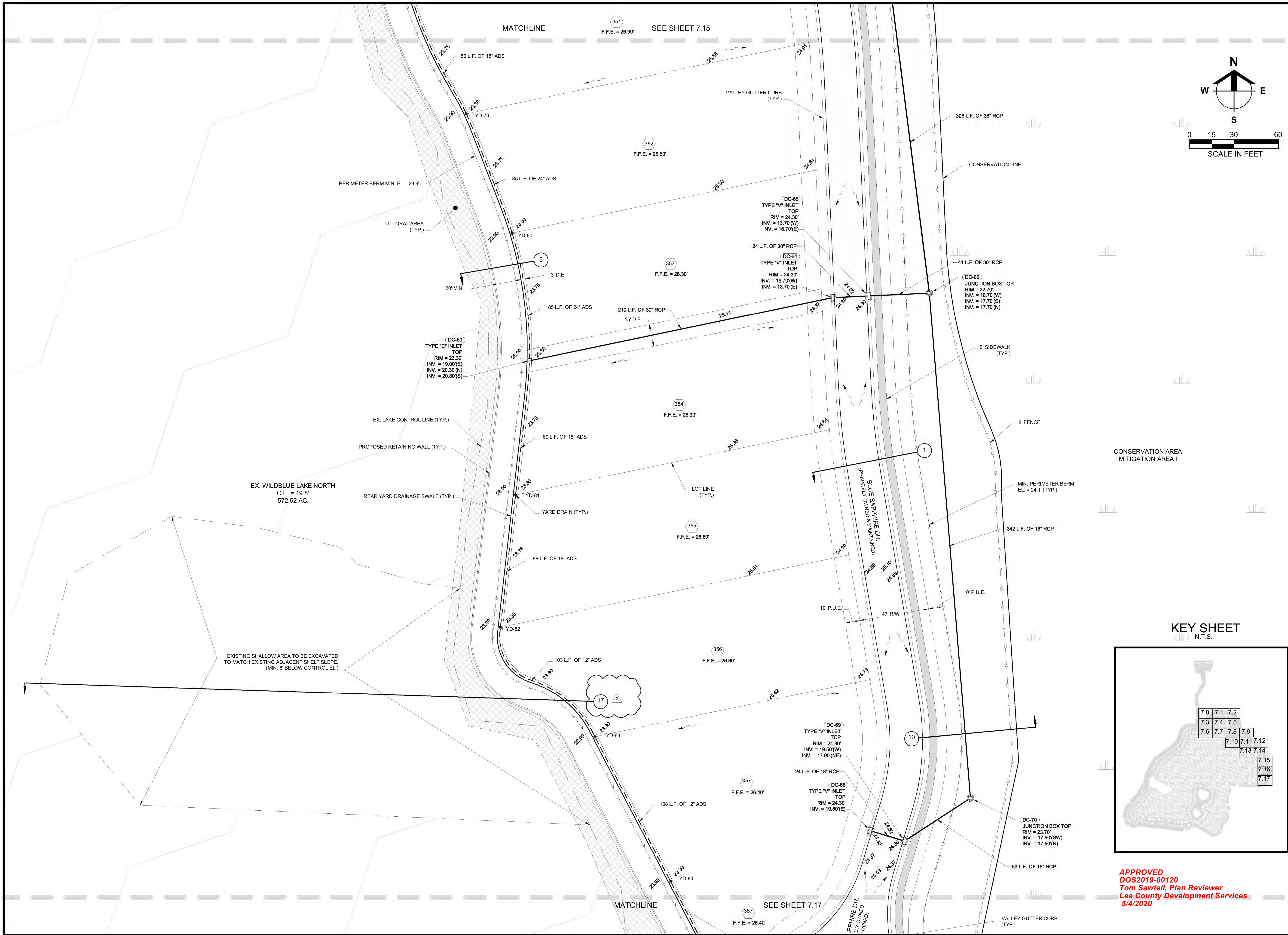
PLAN STATUS

APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

DETAILED PAVING,
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DRAINAGE PLANS

PROJECT / FILE NO.
23795

SHEET NUMBER
7.15



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FORT MYERS, FLORIDA 33966

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PROJECT DESCRIPTION

WildBlue

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FILE NAME = 23795A15.DWG

LOCATION = J:\23795\DWG\DO

PLOT DATE = TUE. 1-14-2020 - 9:29 AM

PLOT BY = SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS
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SURVEY = 23372S00.DWG

PLAN REVISIONS

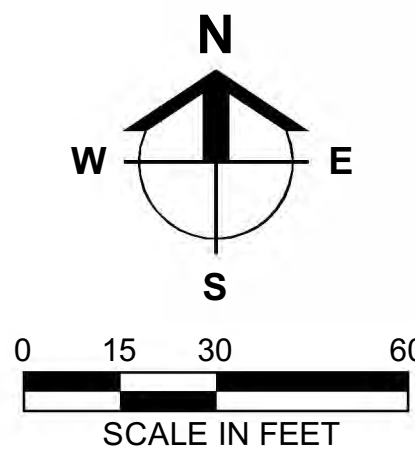
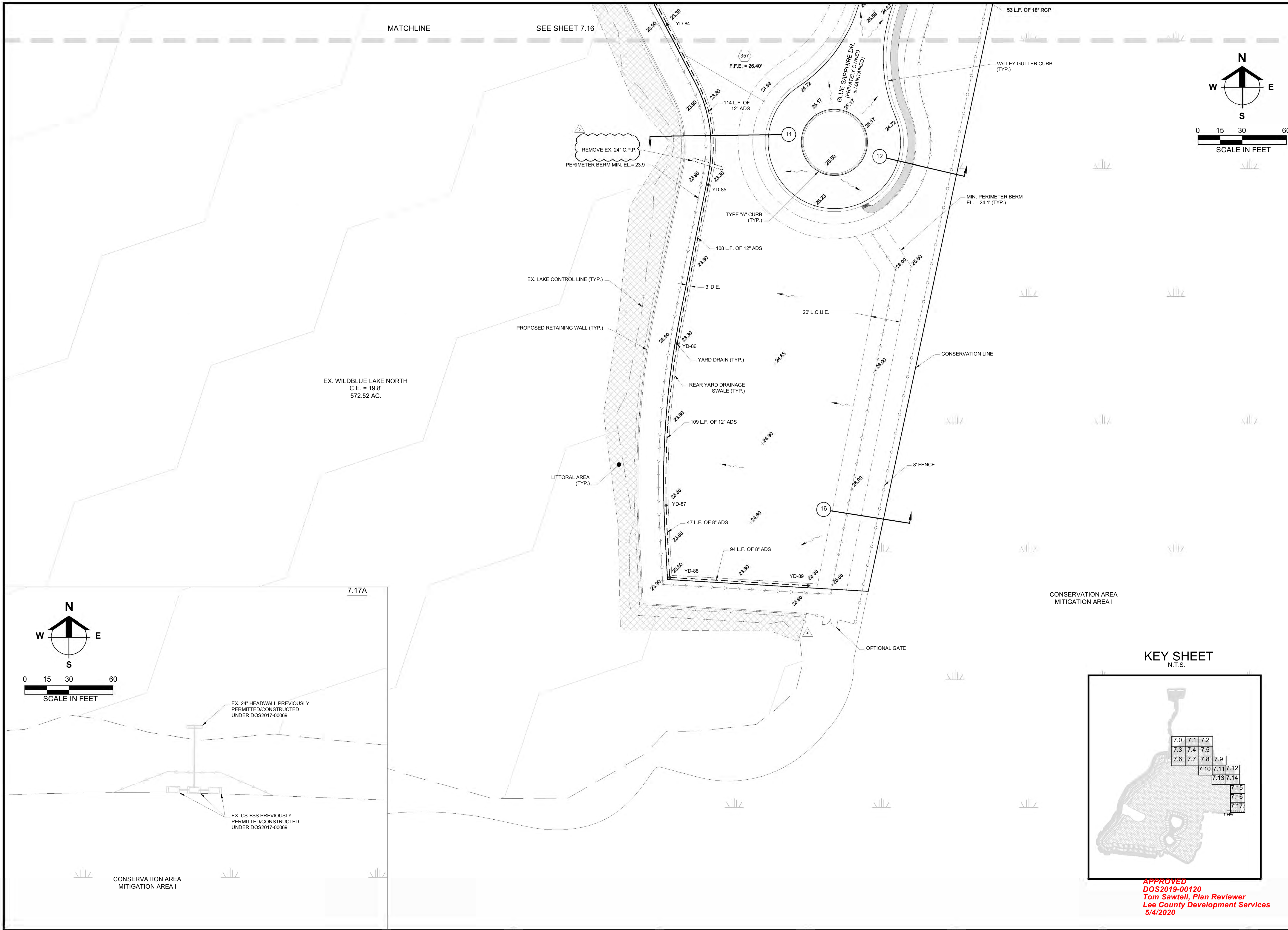
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	7.16
	7.17

PLAN STATUS

APPROVAL SUBMITTAL PLANS
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**DETAILED PAVING,
GRADING, AND
DRAINAGE PLANS**

PROJECT / FILE NO.	SHEET NUMBER
23795	7.16



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FLORIDA CERTIFICATES OF AUTHORIZATION
ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR

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10471 BEN C PRATT / 6 MILE
CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966

PHONE (239) 278-1177
FAX (239) 931-4749

PROJECT DESCRIPTION

WildBlue

LEE COUNTY, FLORIDA

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FILE NAME | 23795A15.DWG

LOCATION | J:\23795\DWG\DO\

PLOT DATE | TUE. 2-11-2020 - 8:43 AM

PLOT BY | SCOTT WHEELER JR

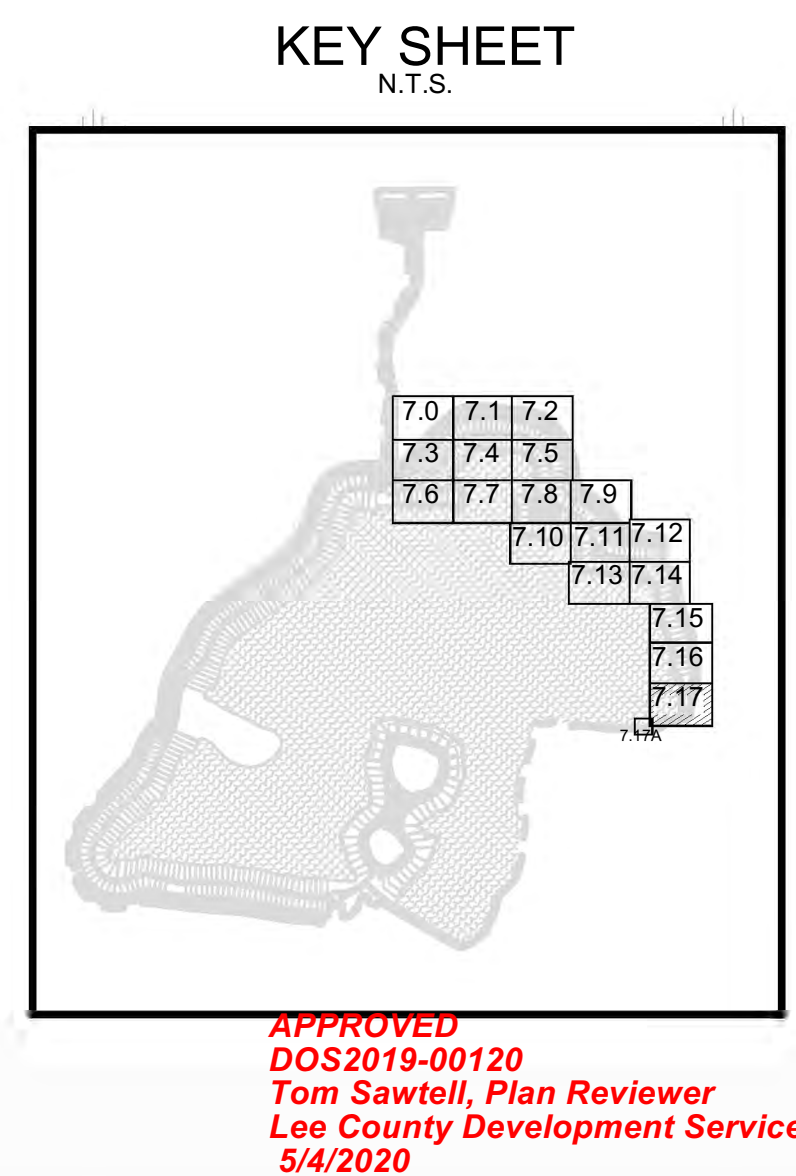
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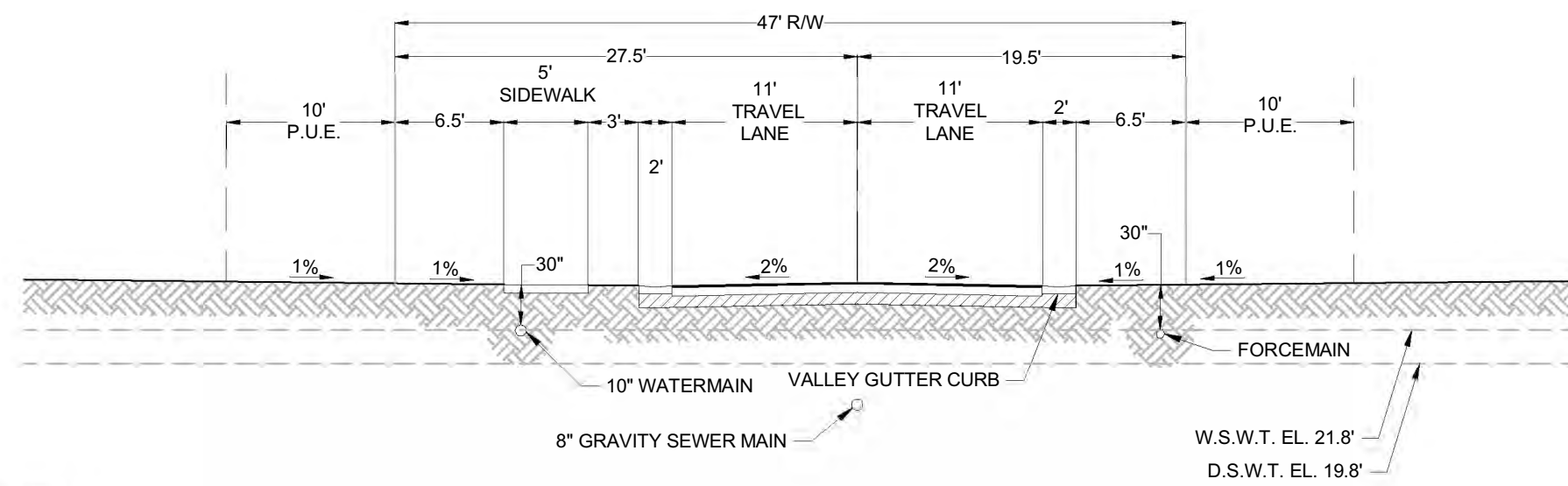
PLAN REVISIONS
10-14-19 | DO COMMENTS DATED 10-14-19 |

PLAN STATUS
APPROVAL SUBMITTAL PLANS
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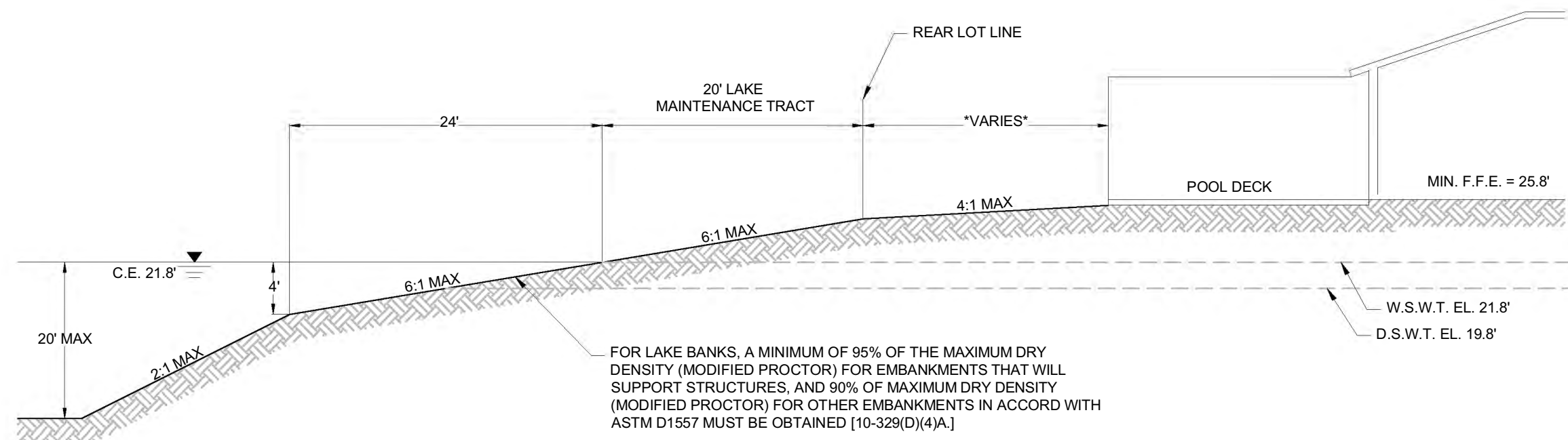
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PROJECT / FILE NO. | SHEET NUMBER
23795 | **7.17**

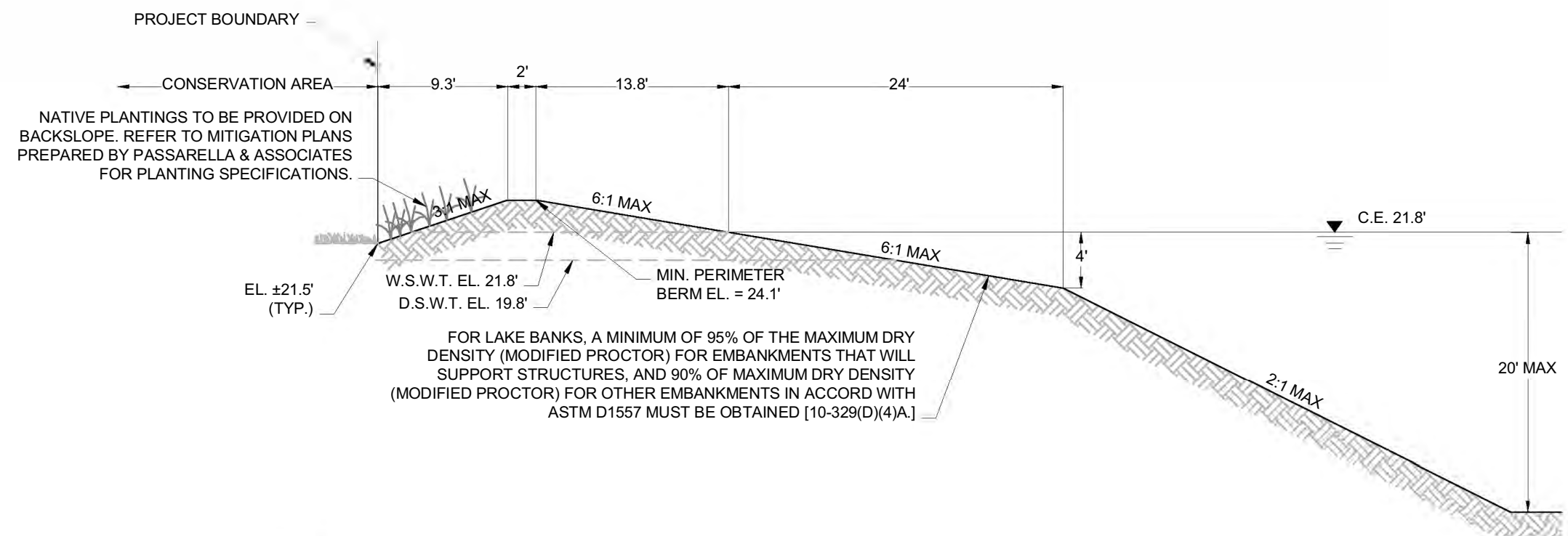




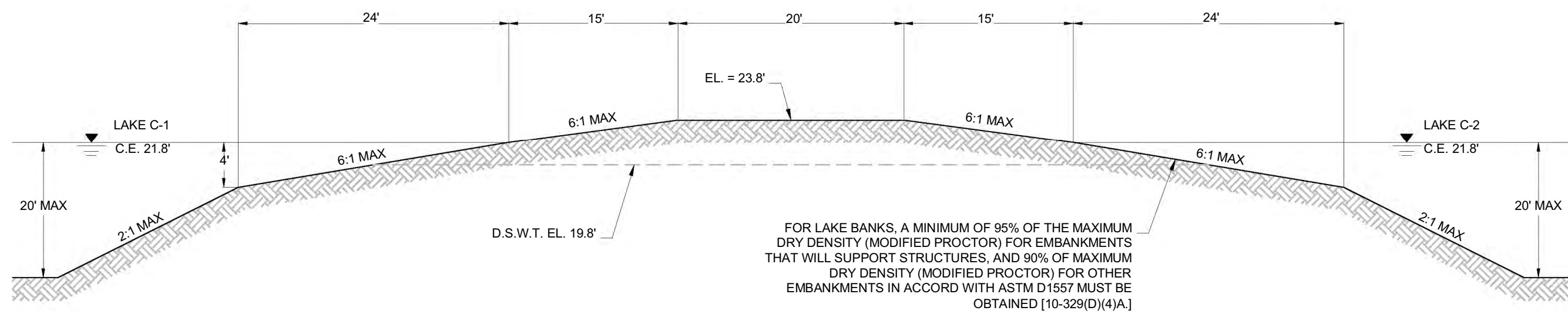
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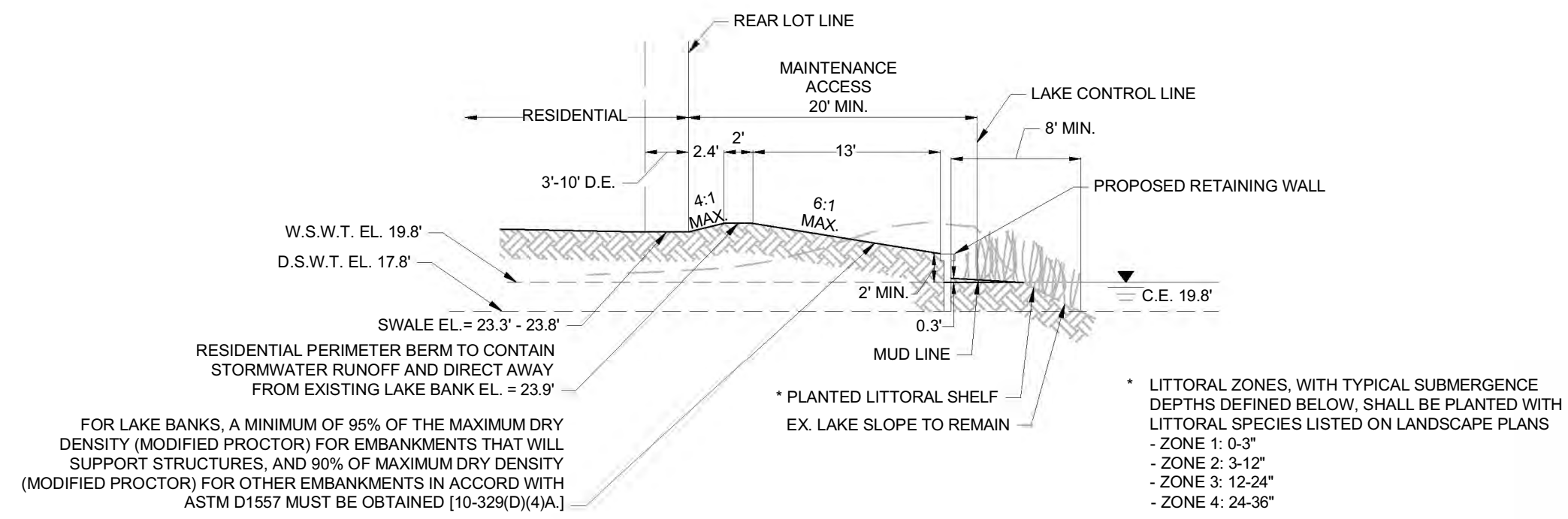
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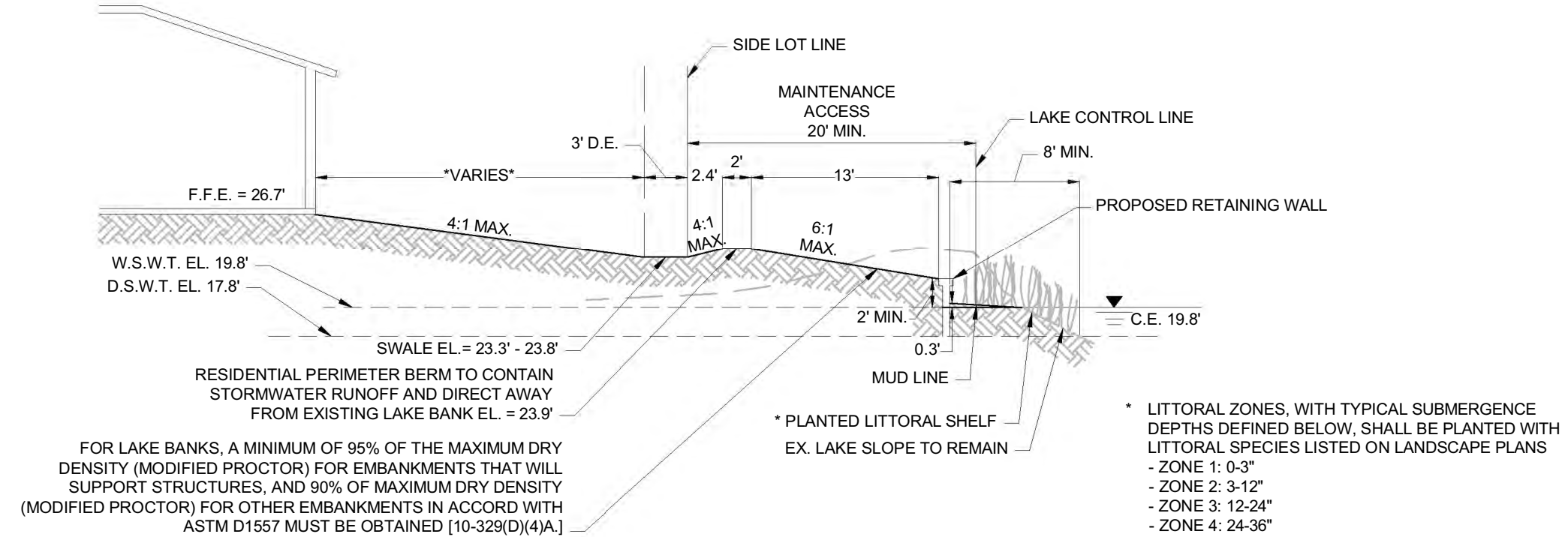
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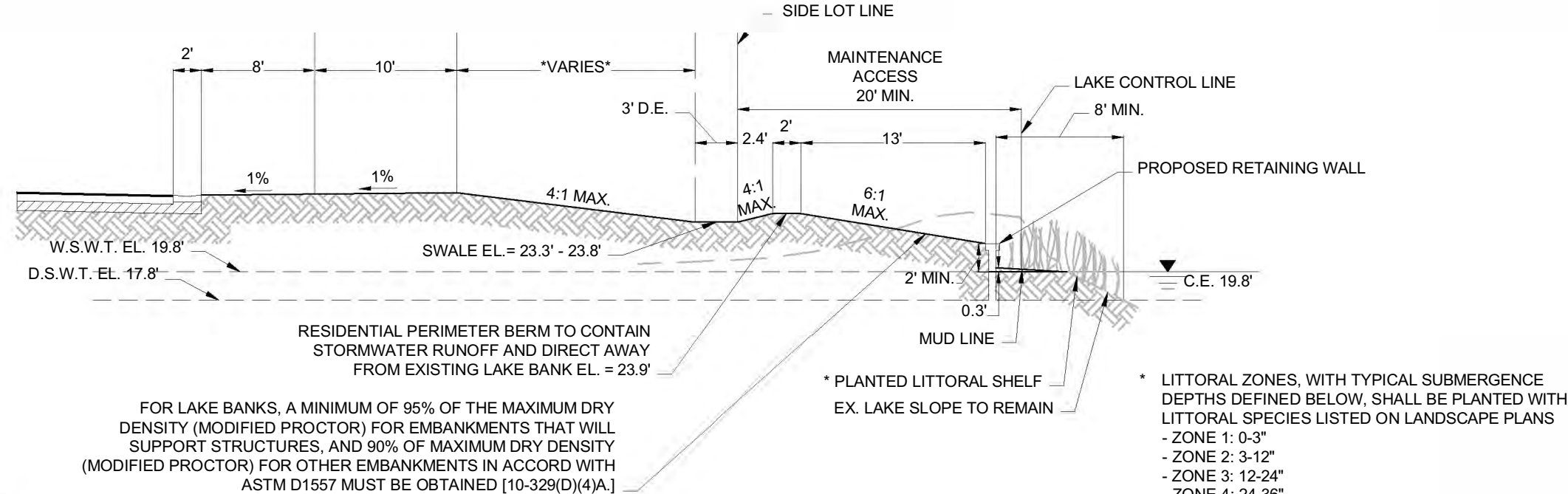
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N.T.S.



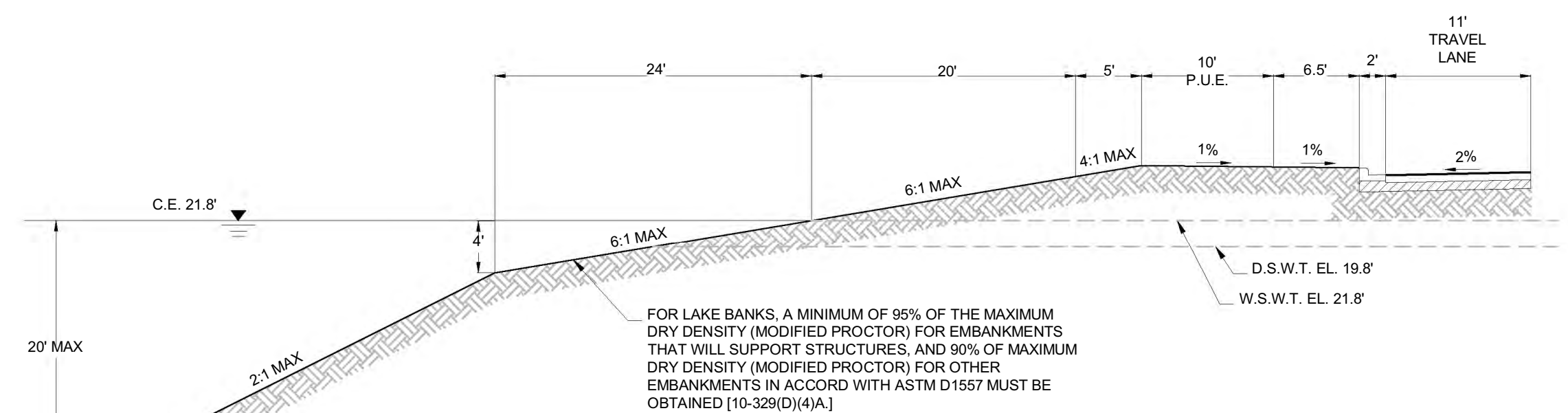
5 BASIN C: SINGLE- FAMILY TO EXISTING LAKE
N.T.S.



6 BASIN C: SIDE LOT TO EXISTING LAKE
N.T.S.



7 BASIN C: ROAD TO EXISTING LAKE
N.T.S.



8 LAKE TO ROADWAY
N.T.S.

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Lee County Development Services
5/4/2020

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ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR

LENNAR

LENNAR HOMES
10471 BEN C PRATT / 6 MILE
CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966

PHONE (239) 278-1177
FAX (239) 931-4749

PROJECT DESCRIPTION

WildBlue

LEE COUNTY, FLORIDA

ENGINEER OF RECORD
TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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FILE NAME: J23795A18.DWG

LOCATION: J:\23795\DWG\DO

PLOT DATE: TUE. 1-14-2020 - 9:30 AM

PLOT BY: SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS

PLAN REVISIONS

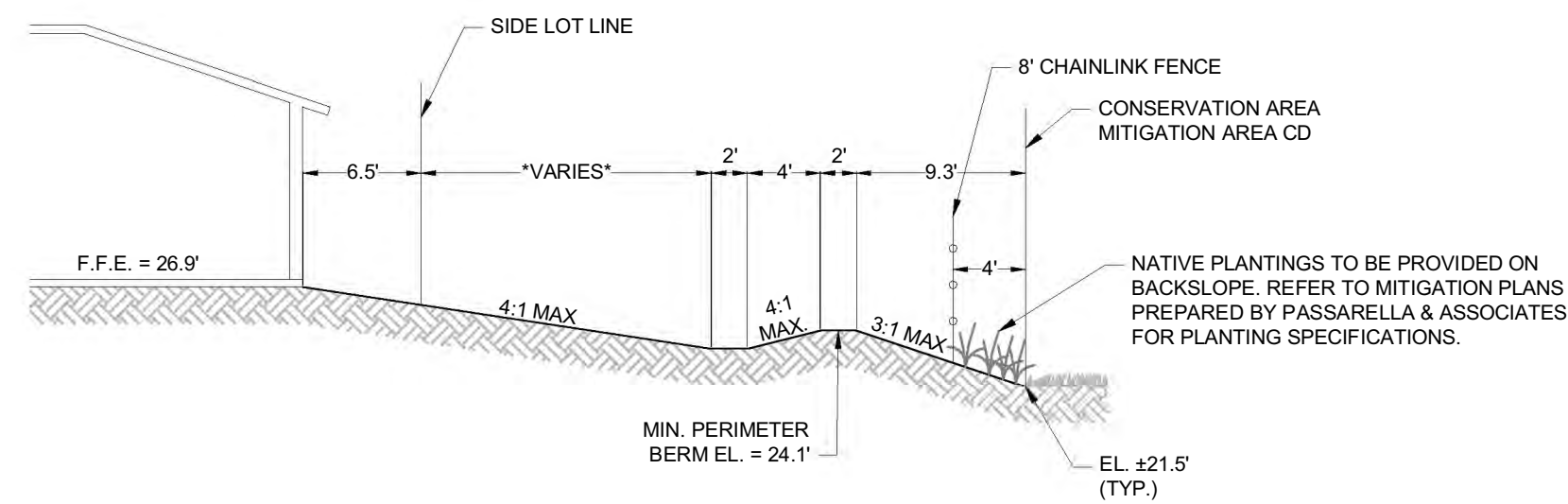
PLAN STATUS

APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

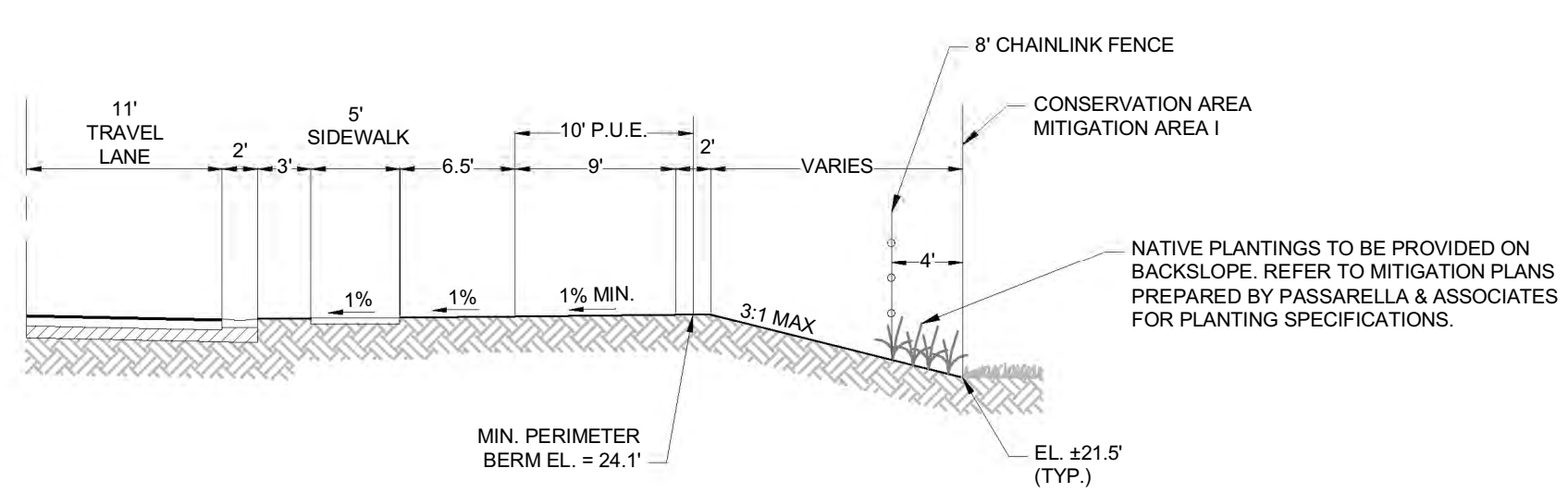
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PROJECT / FILE NO. SHEET NUMBER

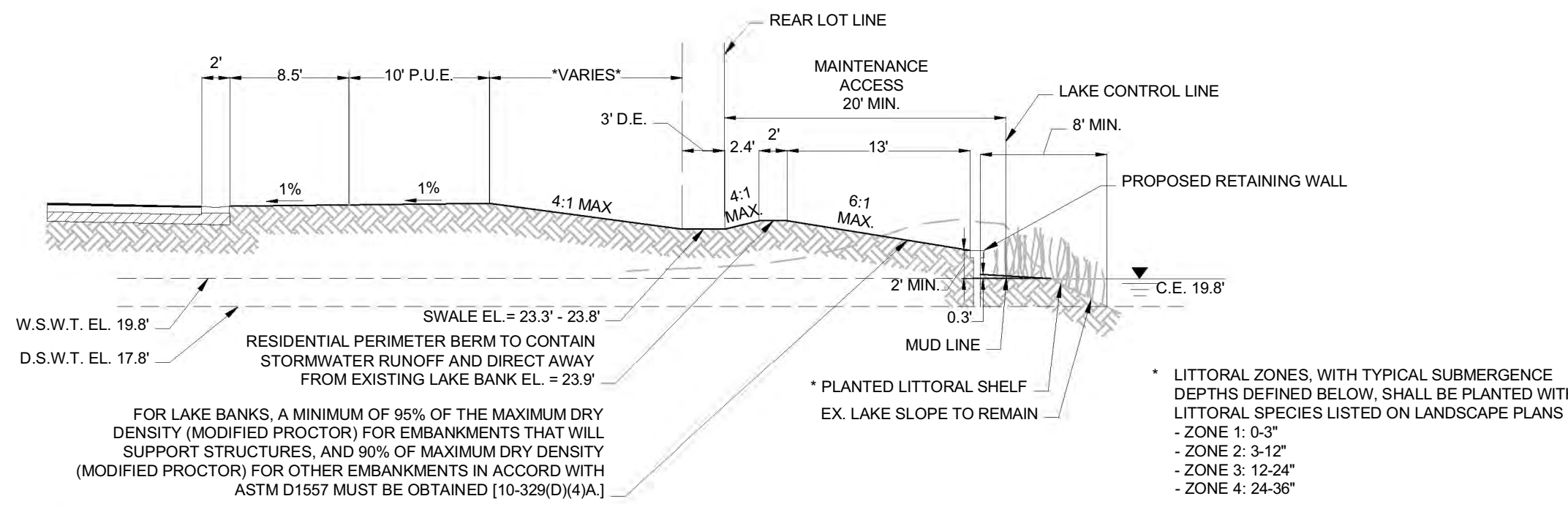
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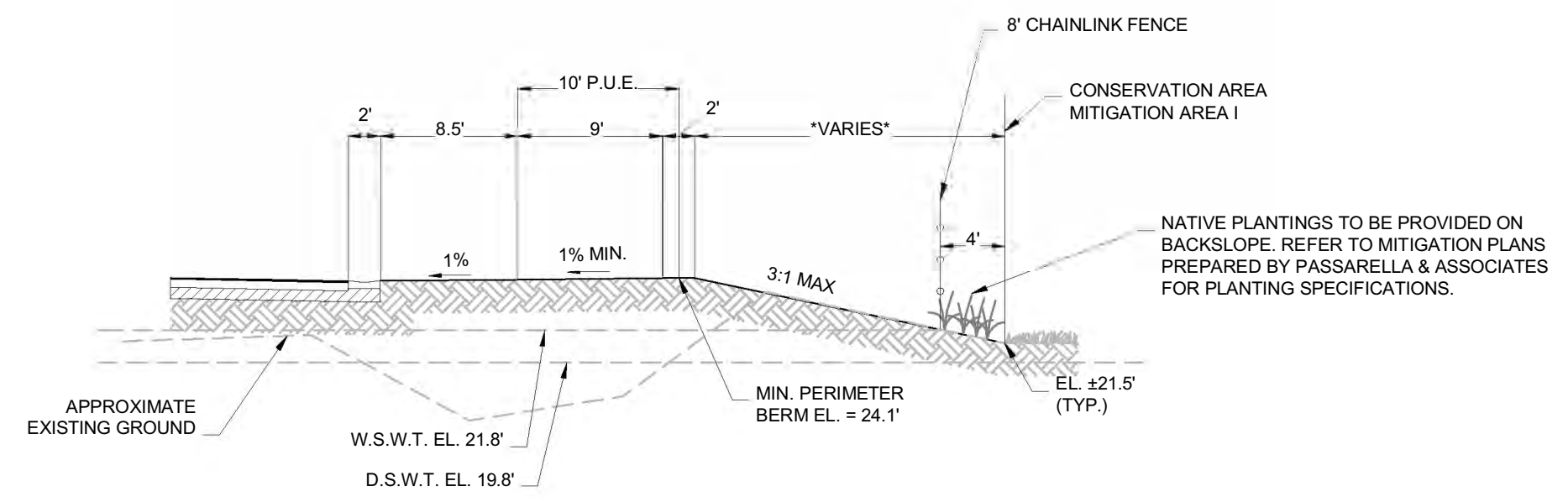
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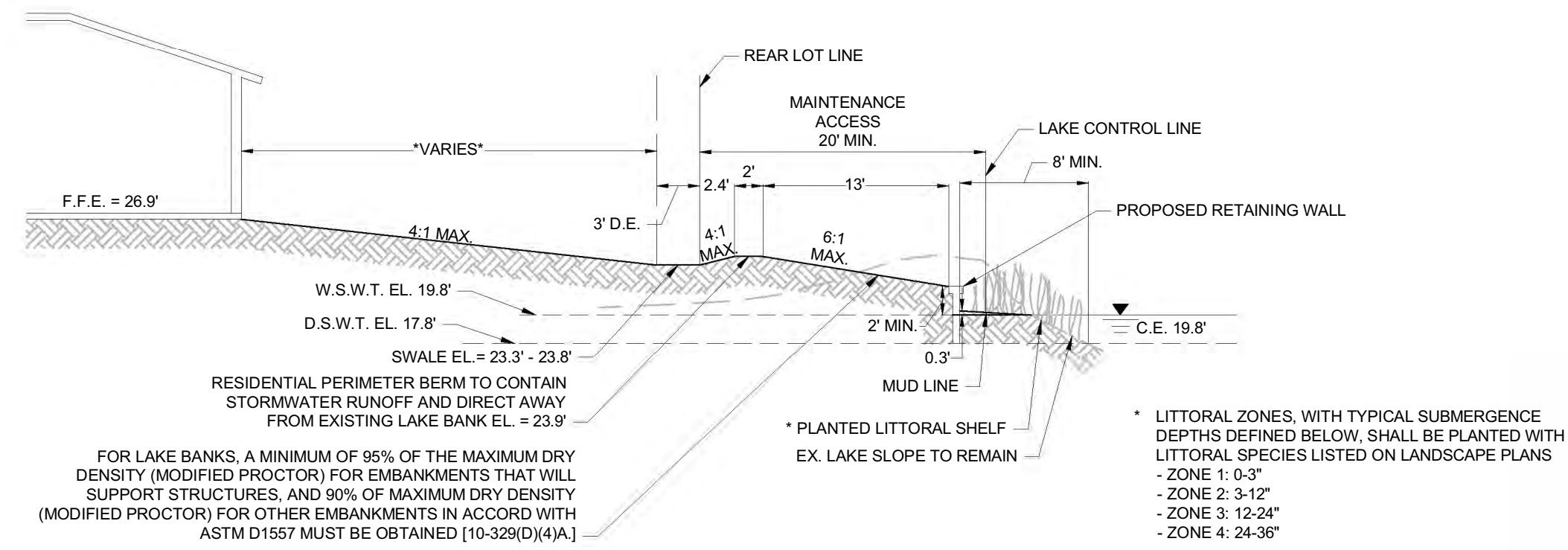
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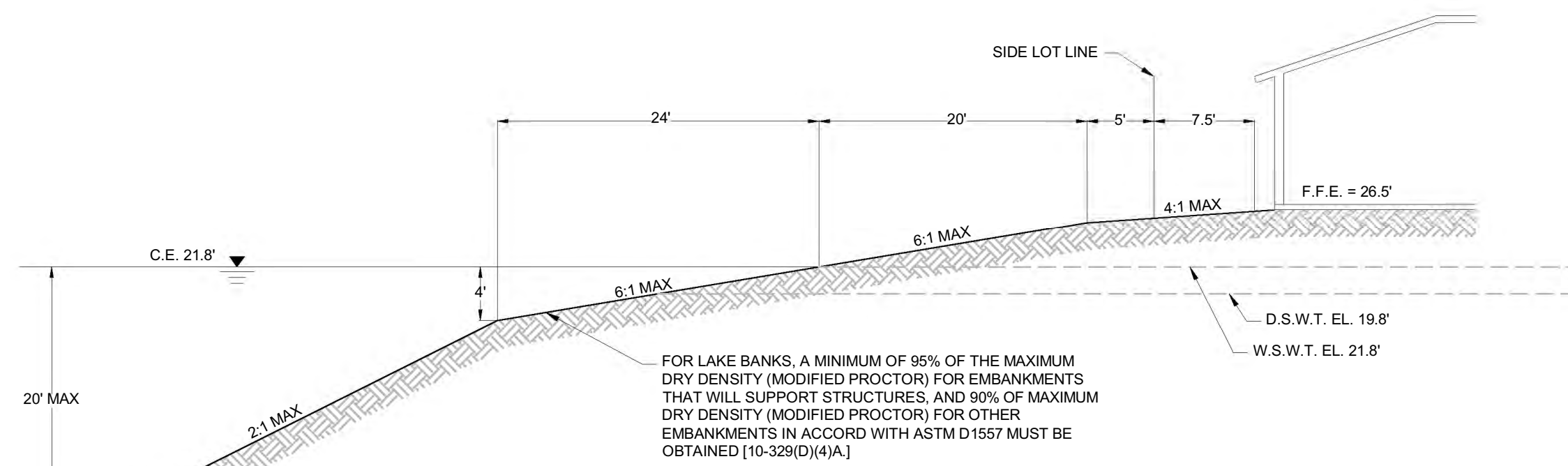
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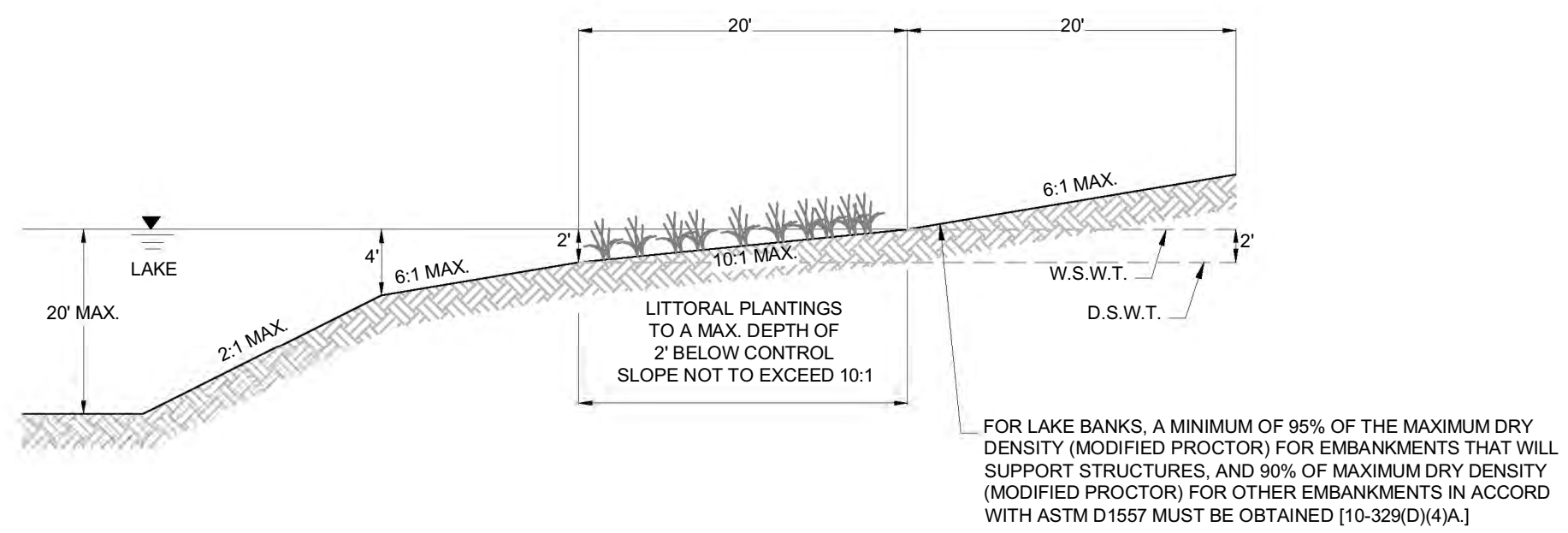
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N.T.S.



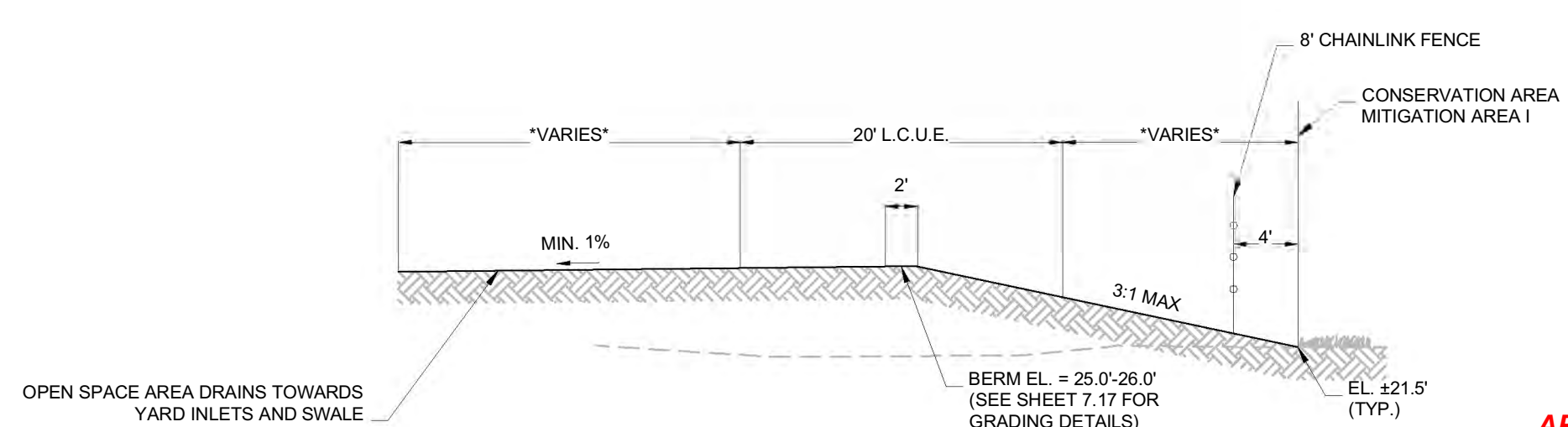
13 BASIN C: SIDE LOT TO EXISTING LAKE
N.T.S.



14 BASIN C: LAKE TO SIDE LOT
N.T.S.



15 LAKE LITTORAL ZONE
N.T.S.



16 OPEN SPACE TO PRESERVE
N.T.S.

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Tom Sawtell, Plan Reviewer
Lee County Development Services
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FLORIDA CERTIFICATES OF AUTHORIZATION
ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR

LENNAR

LENNAR HOMES
10471 BEN C PRATT / 6 MILE
CYPRESS PARKWAY
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PHONE (239) 278-1177
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PROJECT DESCRIPTION

WildBlue

LEE COUNTY, FLORIDA

ENGINEER OF RECORD
TIMOTHY B. GAVIN, P.E., FOR THE FIRM
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FILE NAME | 23795A18.DWG

LOCATION | J:\23795\DWG\DO

PLOT DATE | TUE. 1-14-2020 - 9:30 AM

PLOT BY | SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS

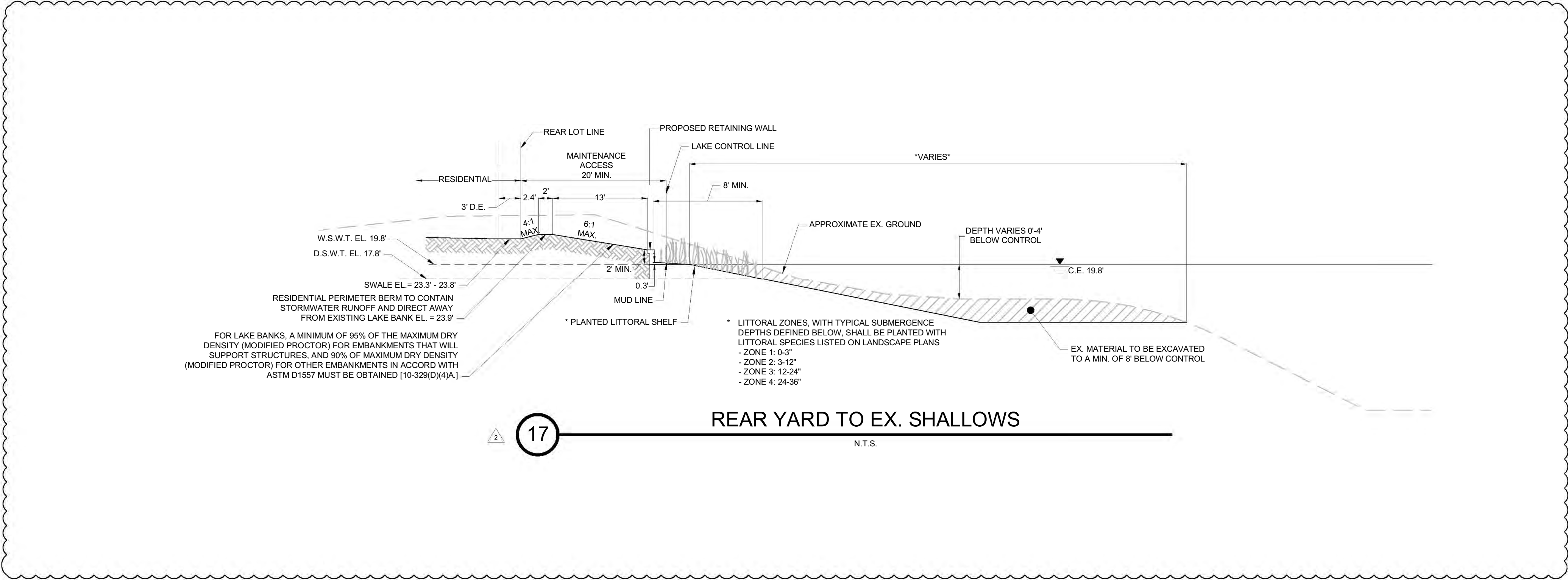
PLAN REVISIONS

PLAN STATUS

APPROVAL SUBMITTAL PLANS
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TYPICAL SECTIONS

PROJECT / FILE NO.	SHEET NUMBER
23795	8.1



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LOCATION | J:\23795\DWG\DO\|
PLOT DATE | TUE. 1-14-2020 - 9:31 AM
PLOT BY | SCOTT WHEELER JR

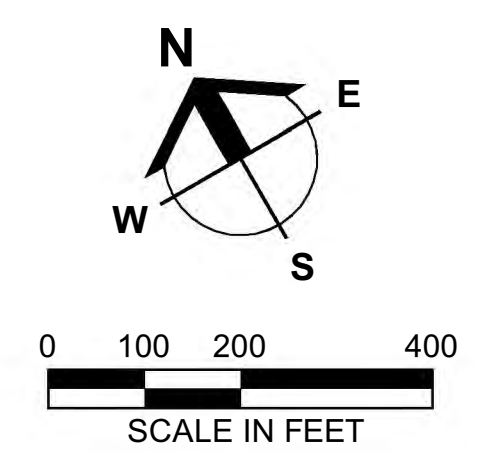
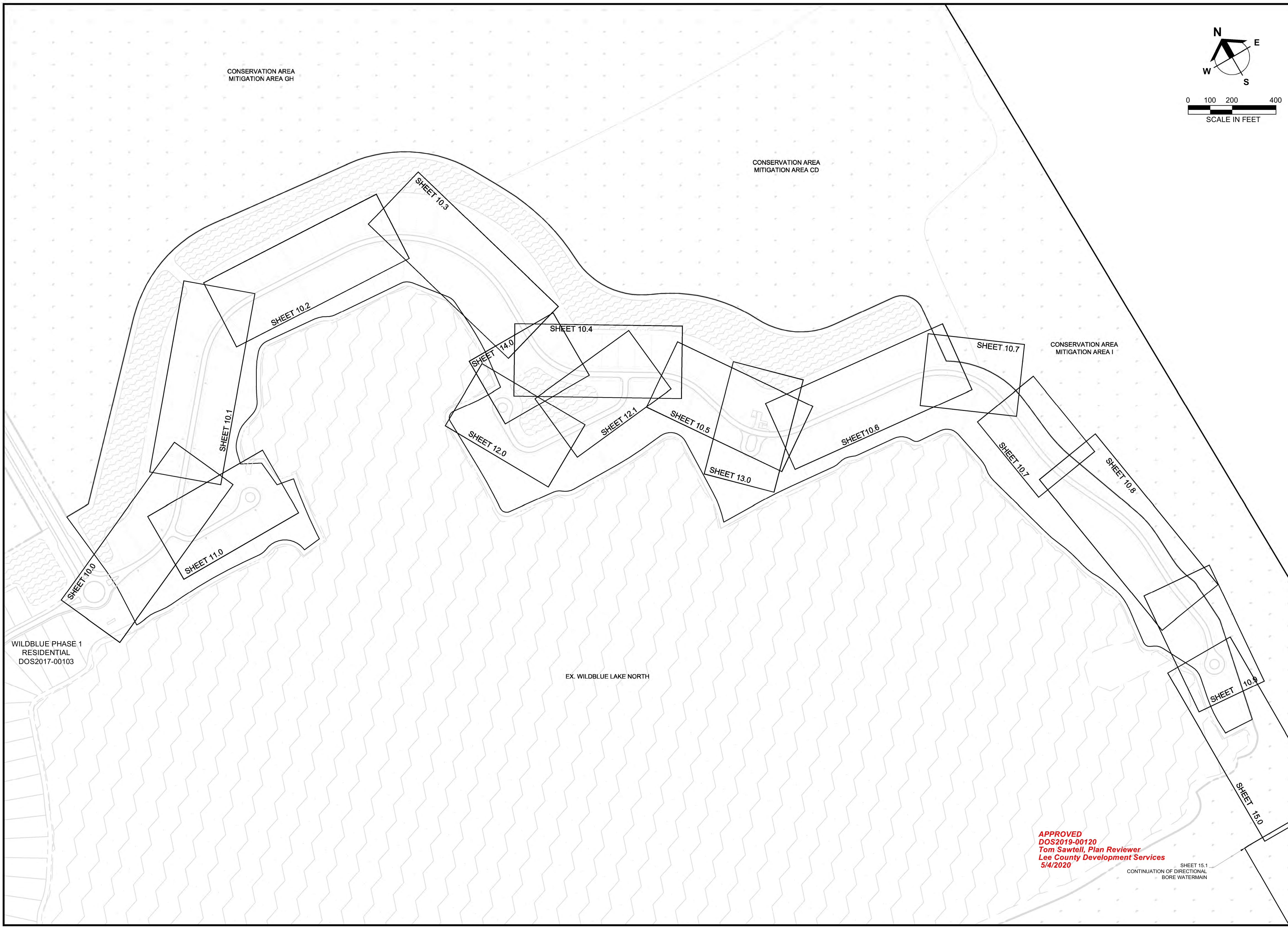
CROSS REFERENCED DRAWINGS

PLAN REVISIONS	
10-14-19	DO COMMENTS DATED 10-14-19 2

PLAN STATUS
APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

TYPICAL SECTIONS

PROJECT / FILE NO.	SHEET NUMBER
23795	8.2



WILDBLUE PHASE 1
RESIDENTIAL
DOS2017-00103

EX. WILDBLUE LAKE NORTH

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Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020

SHEET 15.1
CONTINUATION OF DIRECTIONAL
BORE WATERMAIN

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LOCATION | J:\23795\DWG\DO

PLOT DATE | TUE. 1-14-2020 - 9:32 AM

PLOT BY | SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS
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SURVEY = 23372S00.DWG

PLAN REVISIONS

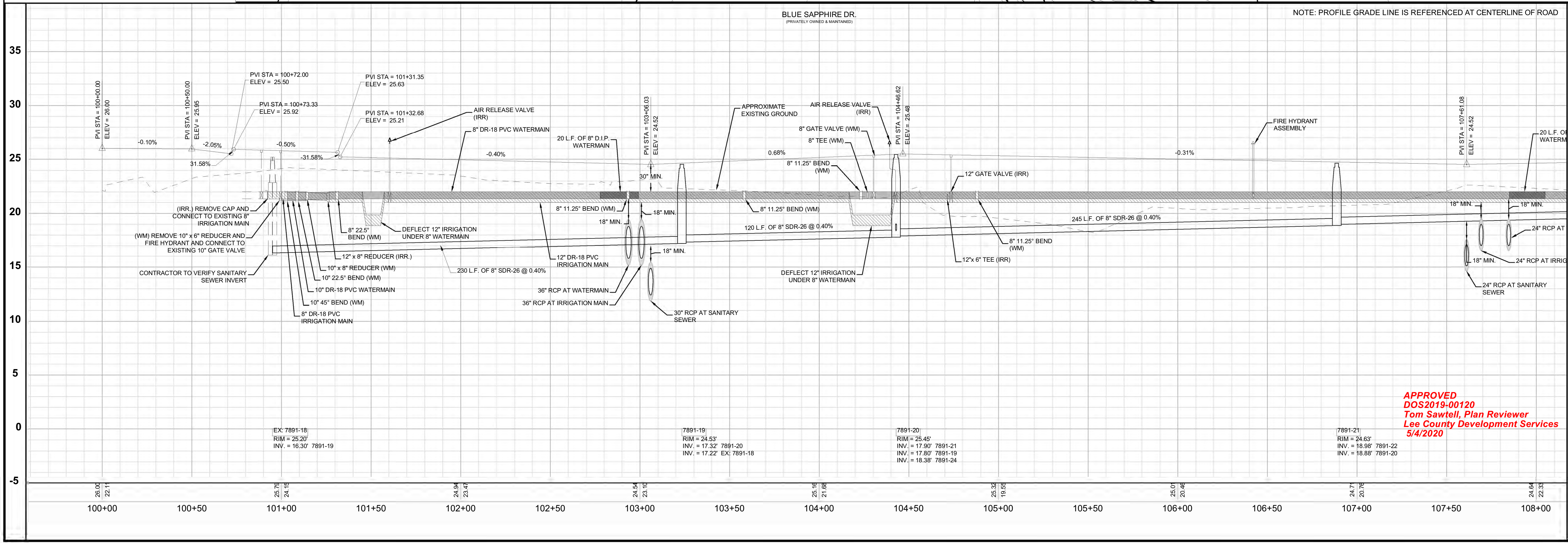
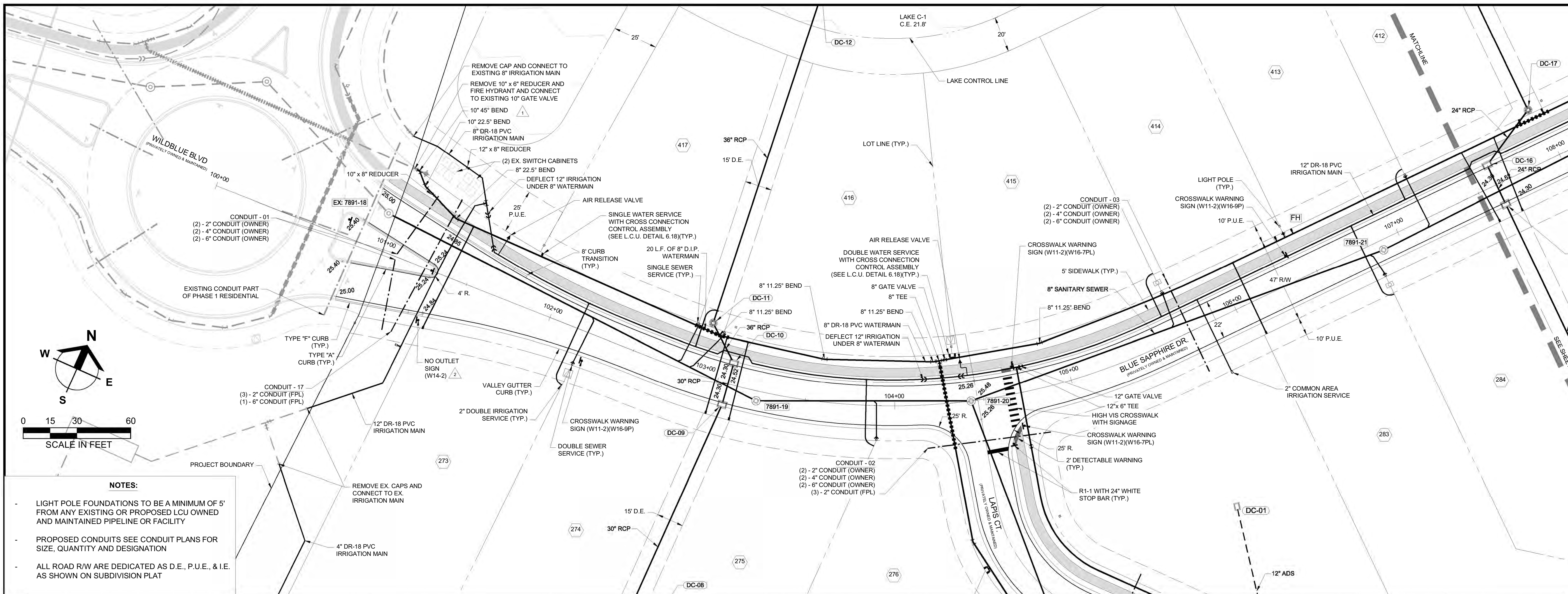
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APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

PLAN AND
PROFILE
KEY SHEET

PROJECT / FILE NO.
23795

SHEET NUMBER
9.0

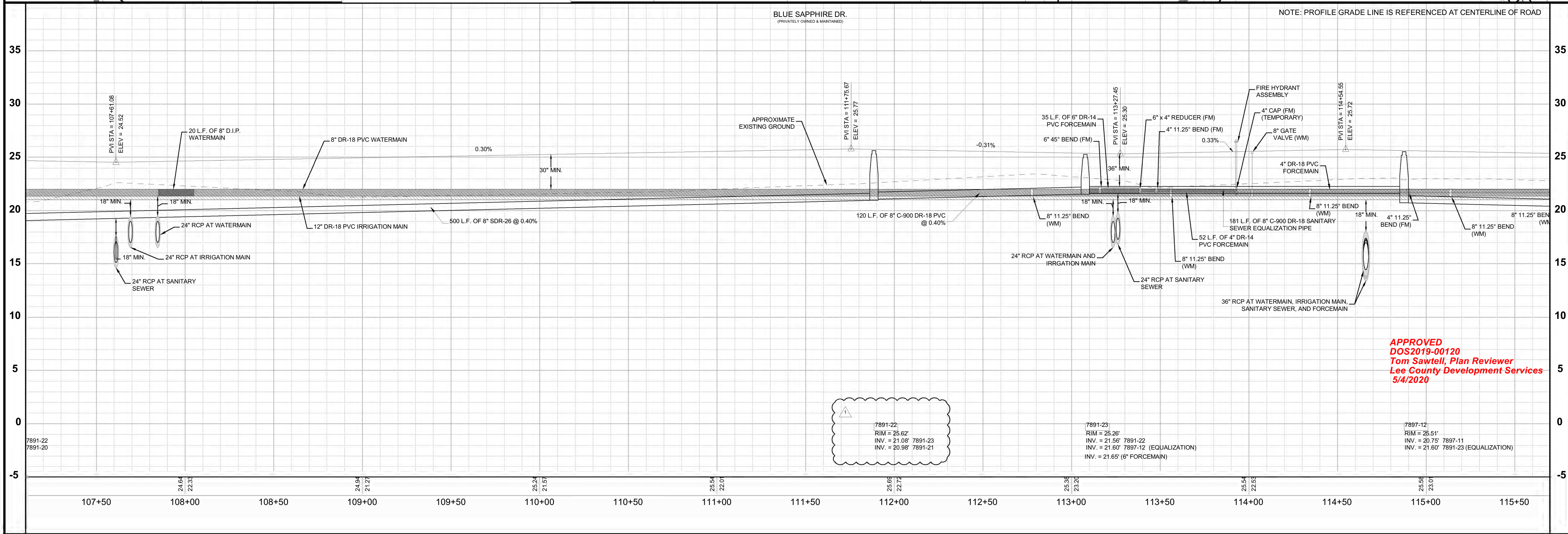
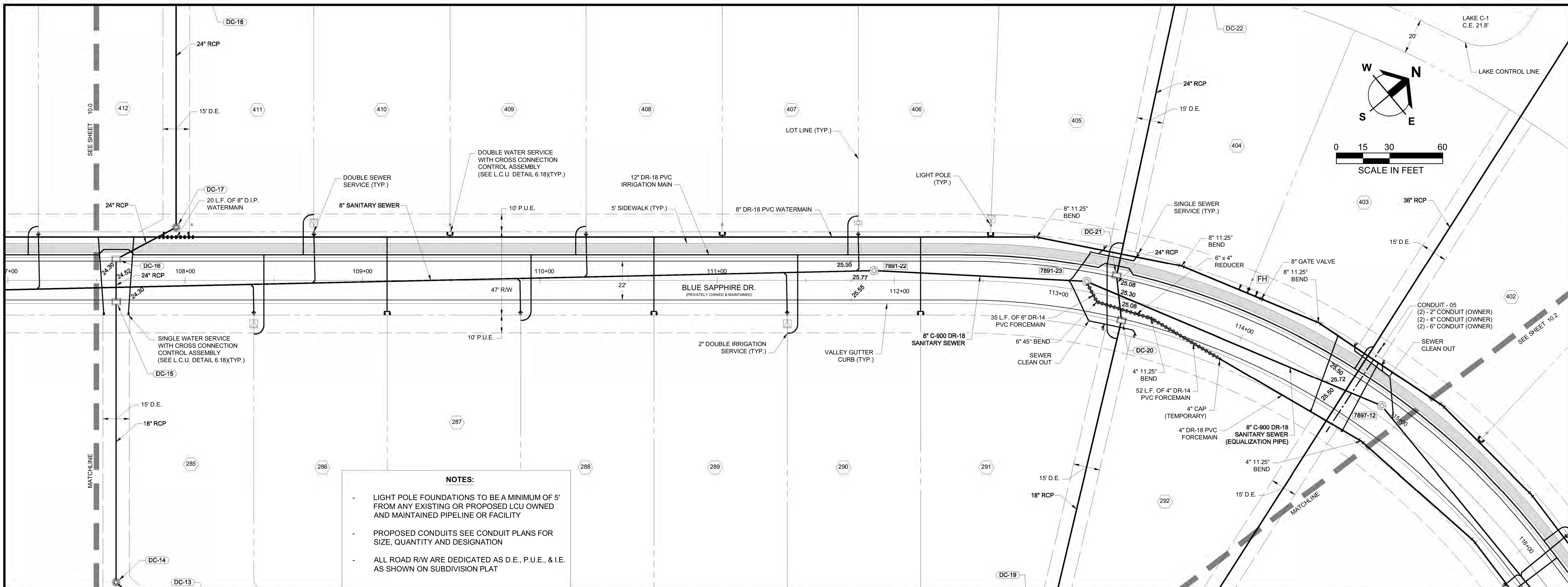


- NOTES:**
- LIGHT POLE FOUNDATIONS TO BE A MINIMUM OF 5' FROM ANY EXISTING OR PROPOSED LCU OWNED AND MAINTAINED PIPELINE OR FACILITY
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 - ALL ROAD R/W ARE DEDICATED AS D.E., P.U.E., & I.E. AS SHOWN ON SUBDIVISION PLAT

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PREPARED FOR
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CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966
PHONE (239) 278-1177
FAX (239) 931-4749
PROJECT DESCRIPTION
WildBlue
LEE COUNTY, FLORIDA
ENGINEER OF RECORD
TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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SURVEY = 23372500.DWG
PLAN REVISIONS
09-16-19 L.C.U. COMMENTS DATED 09-10-19
10-14-19 DO COMMENTS DATED 10-14-19
PLAN STATUS
APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION
PLAN AND PROFILE
BLUE SAPPHIRE DR.
STA: 100+00 TO 107+50
PROJECT / FILE NO.
23795
SHEET NUMBER
10.0

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Tom Sawtell, Plan Reviewer
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PREPARED FOR

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PROJECT DESCRIPTION

WildBlue

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ENGINEER OF RECORD
TIMOTHY B. GAVIN, P.E., FOR THE FIRM
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PLOT DATE: TUE, 1-14-2020 - 9:33 AM
PLOT BY: SCOTT WHEELER JR

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PLAN REVISIONS
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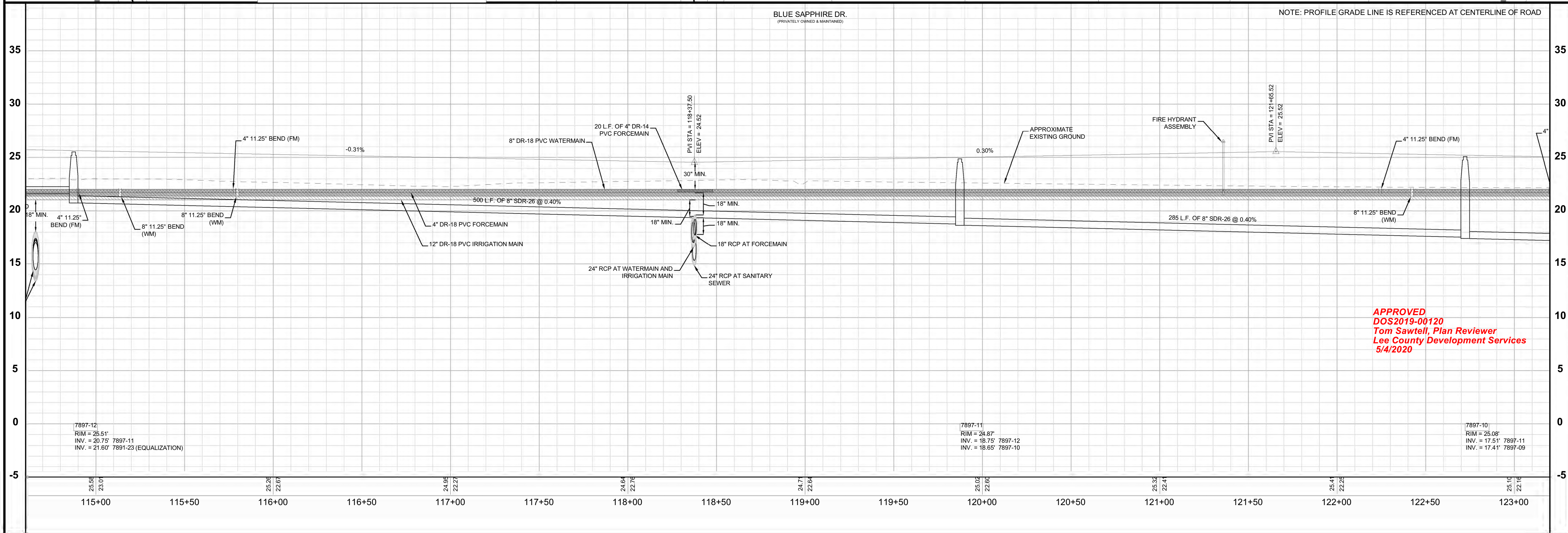
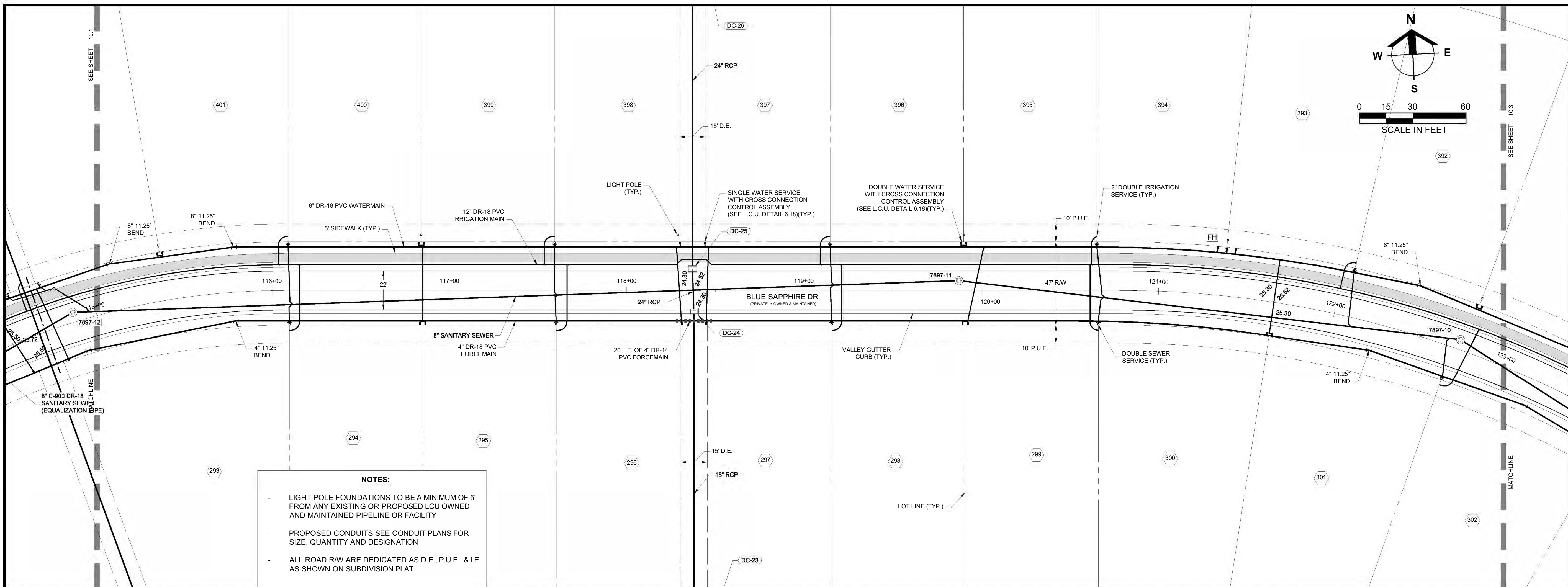
PLAN STATUS

APPROVAL SUBMITTAL PLANS
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PLAN AND PROFILE
BLUE SAPPHIRE DR.
STA: 107+50 TO 115+00

PROJECT / FILE NO.
23795

SHEET NUMBER
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PROJECT DESCRIPTION

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LEE COUNTY, FLORIDA

ENGINEER OF RECORD
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PLAN REVISIONS

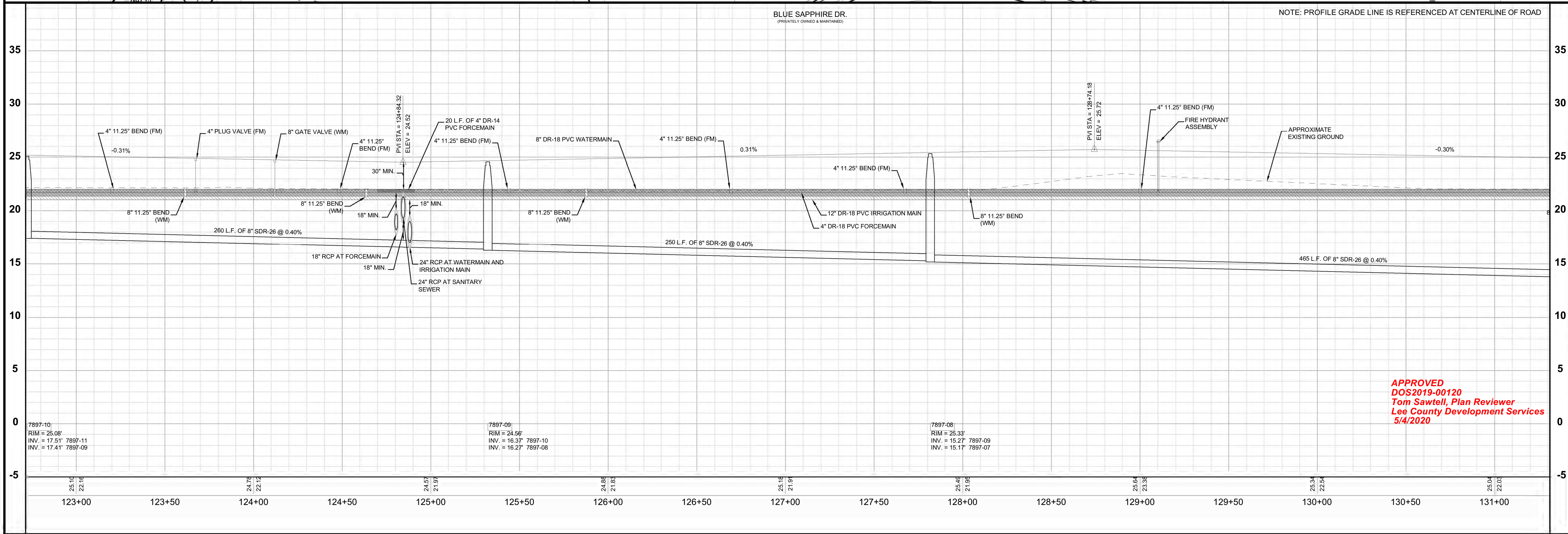
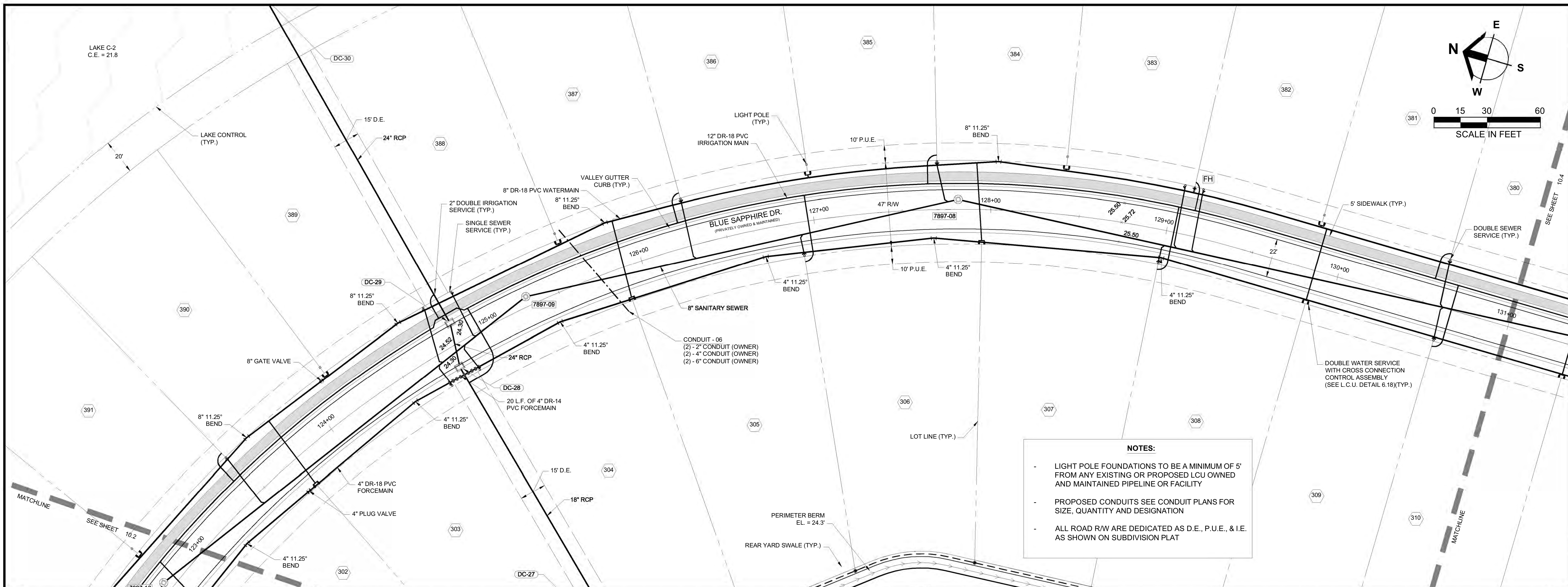
PLAN STATUS

APPROVAL SUBMITTAL PLANS
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PLAND AND PROFILE
BLUE SAPPHIRE DR.
STA: 115+00 TO 123+00

PROJECT / FILE NO.
23795

SHEET NUMBER
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PROJECT DESCRIPTION

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LEE COUNTY, FLORIDA

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LOCATION = J:\23795A\DWG\DWG
PLOT DATE = TUE. 1-14-2020 - 9:34 AM
PLOT BY = SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS
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SURVEY = 23372S00.DWG

PLAN REVISIONS

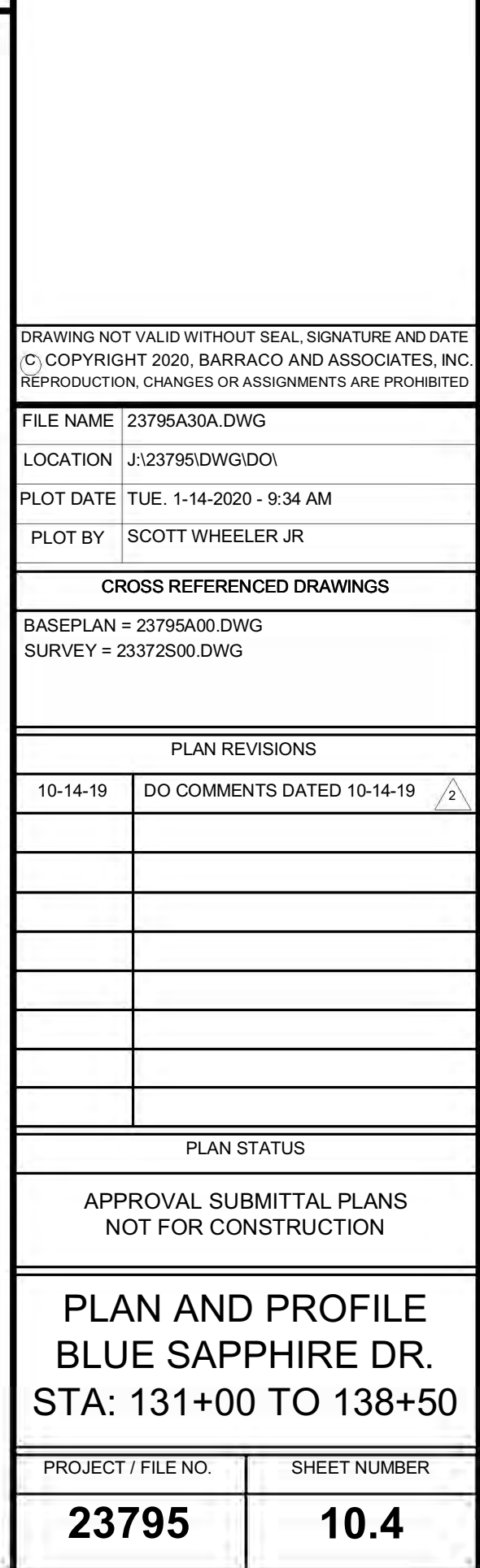
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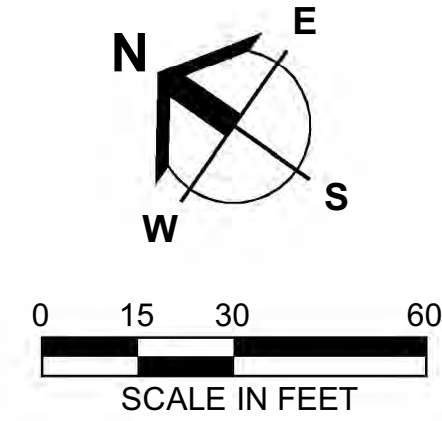
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PLAN AND PROFILE
BLUE SAPPHIRE DR.
STA: 123+00 TO 131+00

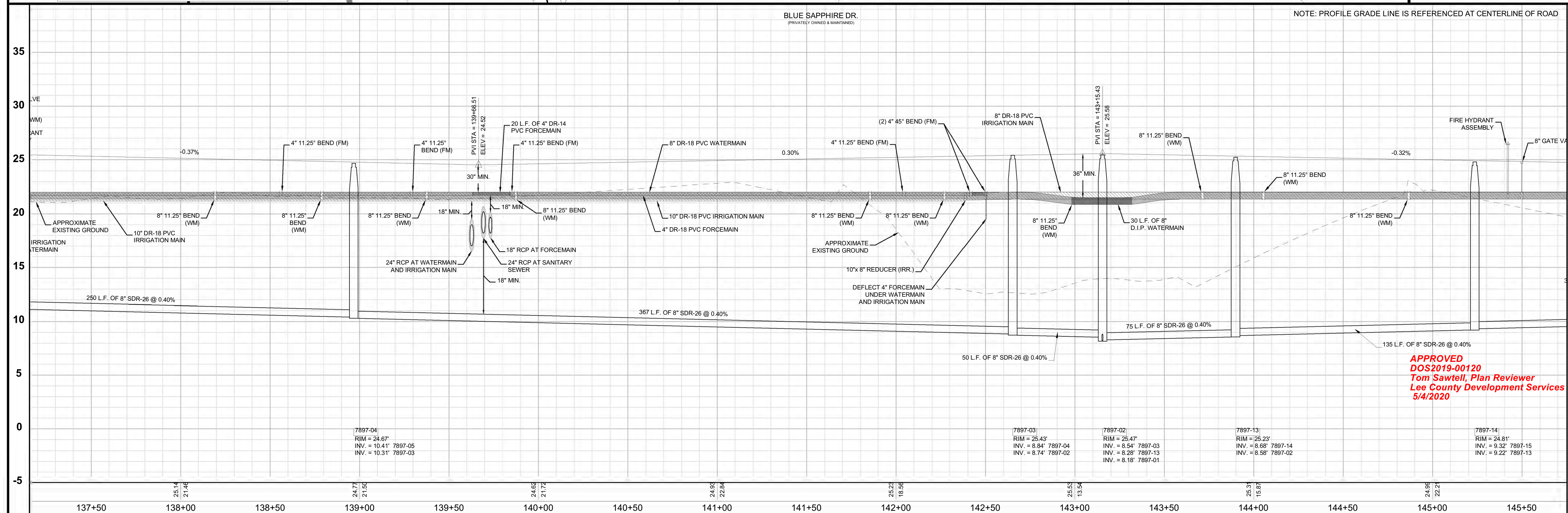
PROJECT / FILE NO.
23795

SHEET NUMBER
10.3





- NOTES:**
- LIGHT POLE FOUNDATIONS TO BE A MINIMUM OF 5' FROM ANY EXISTING OR PROPOSED LCU OWNED AND MAINTAINED PIPELINE OR FACILITY
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Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020

PREPARED FOR

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PLOT BY	SCOTT WHEELER JR
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SURVEY = 23372S00.DWG

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PLAN REVISIONS	
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10-14-19	DO COMMENTS DATED 10-14-19	2
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PLAN STATUS	

PLAN STATUS

APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

NOT FOR CONSTRUCTION

PLAN AND PROFILE

PLAN AND PROFILE

BLUE SAPPHIRE DR.

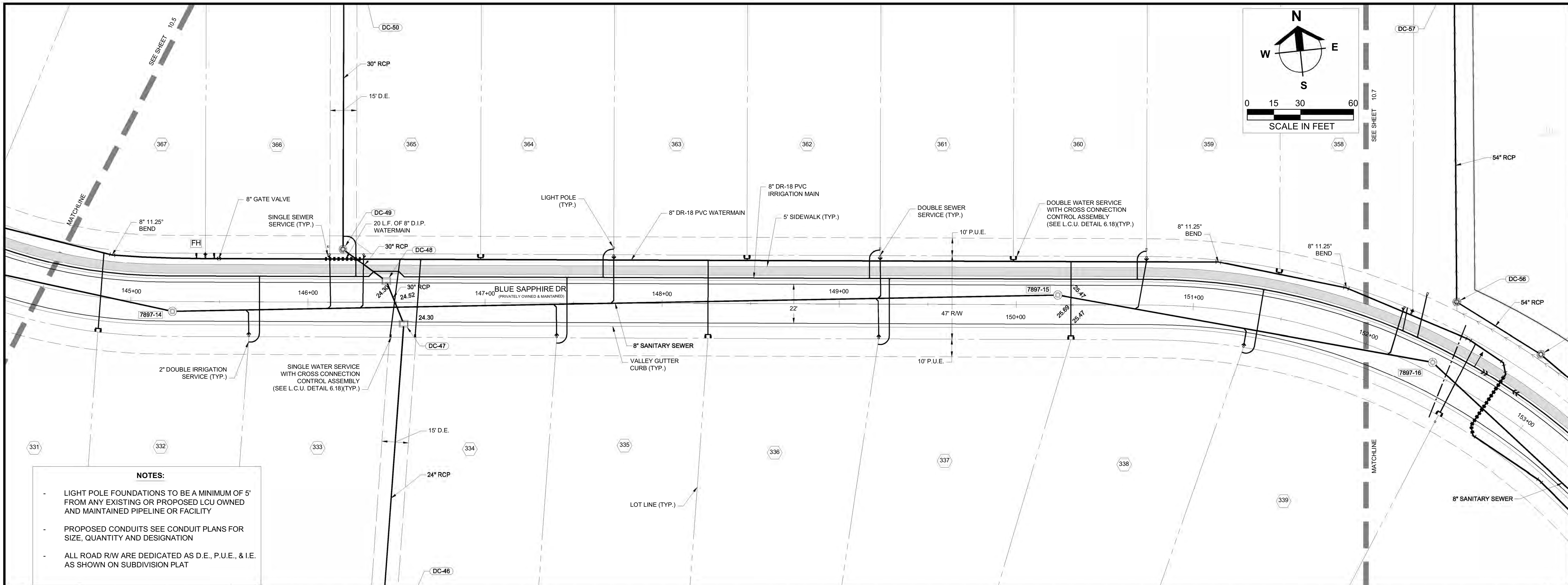
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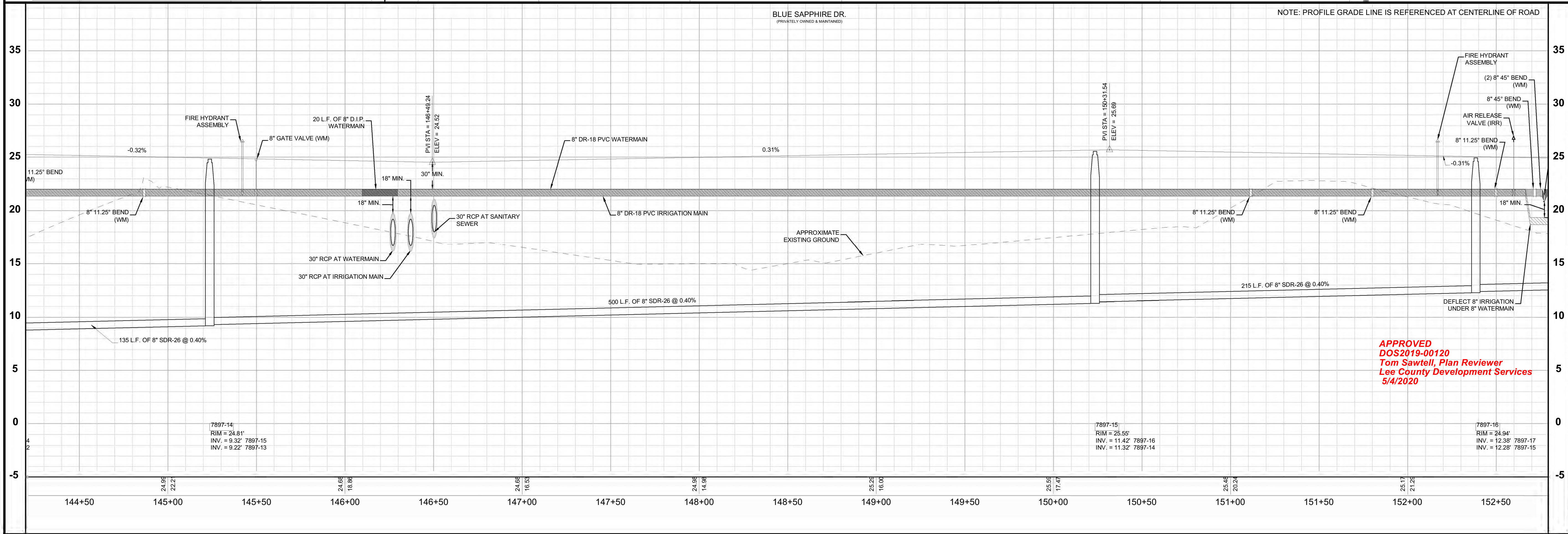
PROJECT / FILE NO.	SHEET NUMBER
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23705	10 5
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23793	10.3
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PROJECT DESCRIPTION

WildBlue

LEE COUNTY, FLORIDA

ENGINEER OF RECORD
TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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PLOT DATE = TUE, 1-14-2020 - 9:35 AM
PLOT BY = SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS
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SURVEY = 23372S00.DWG

PLAN REVISIONS

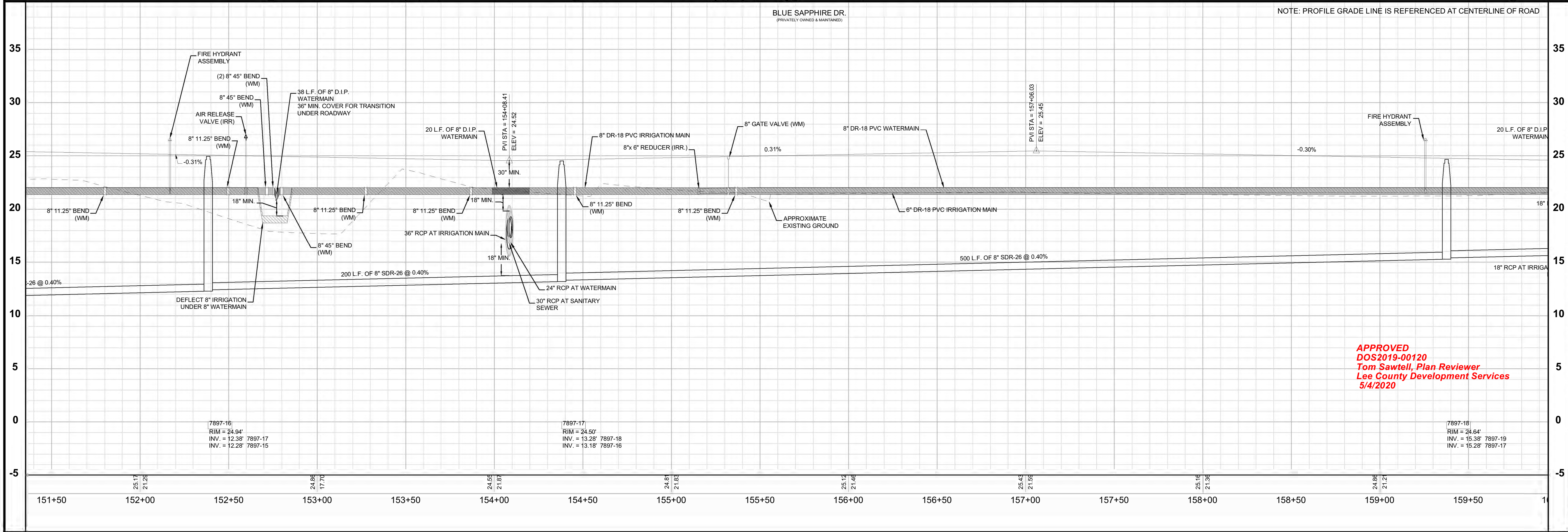
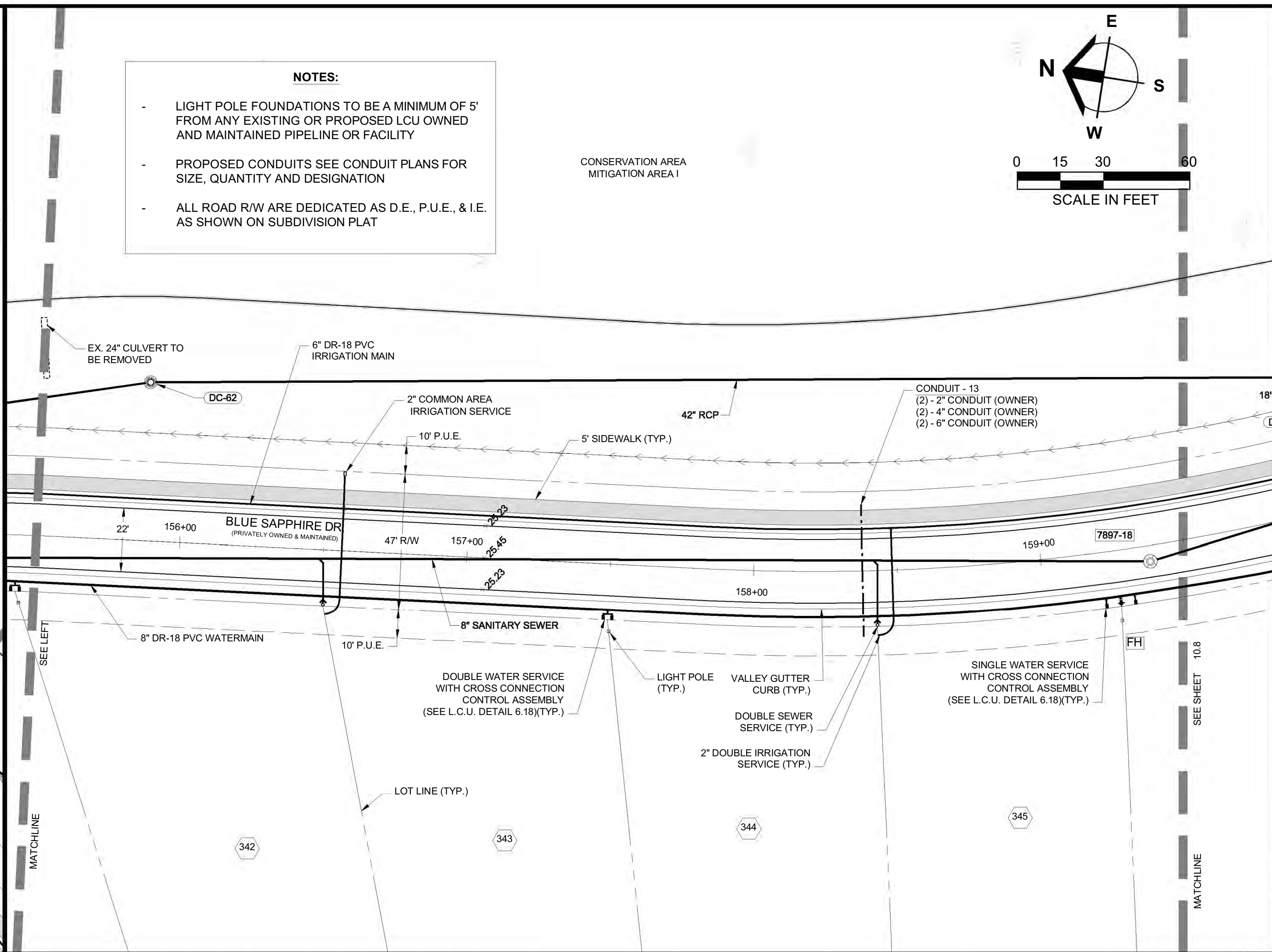
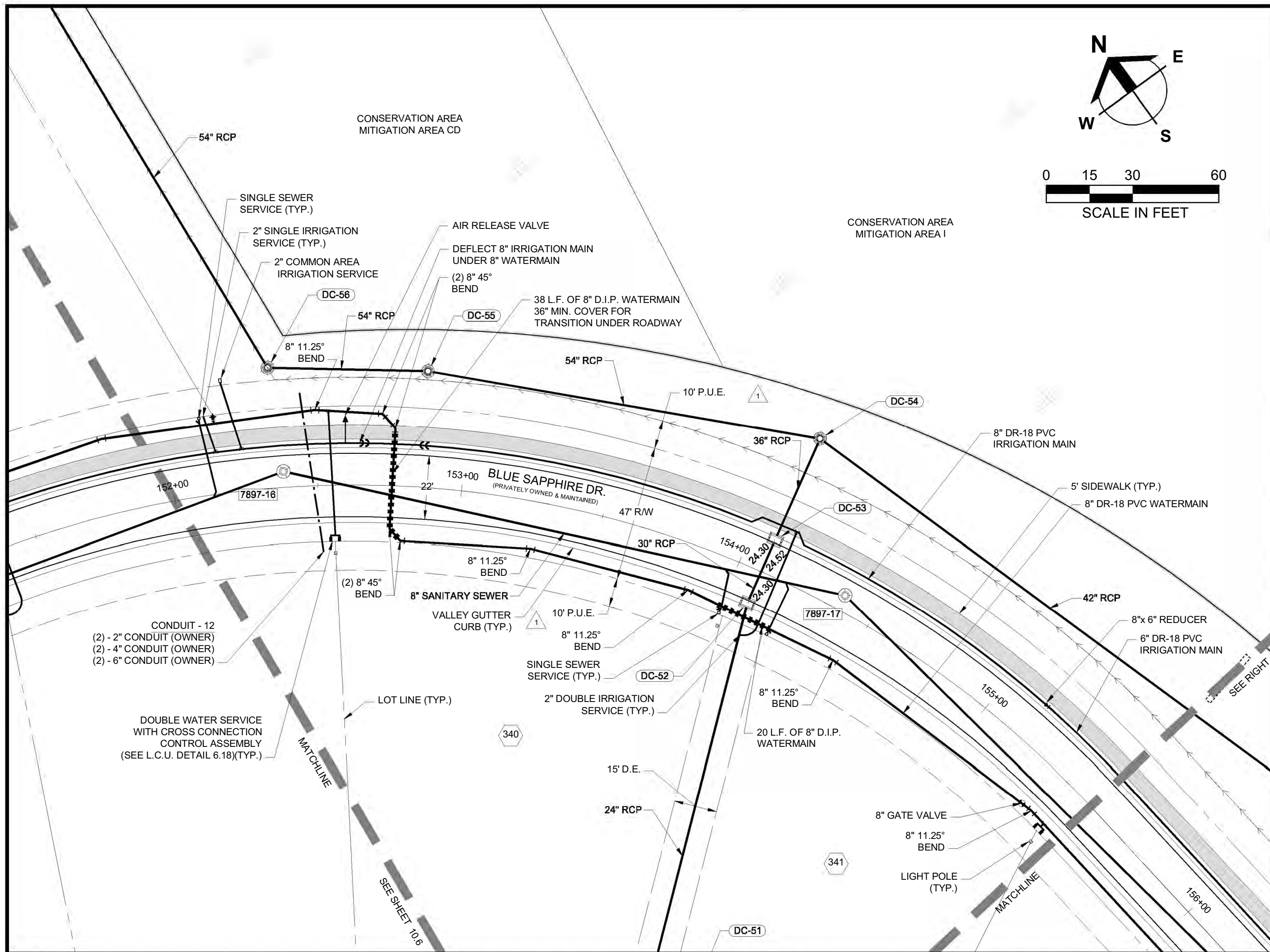
PLAN STATUS

APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

**PLAN AND PROFILE
BLUE SAPPHIRE DR.
STA: 144+50 TO 152+00**

PROJECT / FILE NO.
23795

SHEET NUMBER
10.6



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FORT MYERS, FLORIDA 33902-2800
PHONE (239) 461-3170
FAX (239) 461-3169
FLORIDA CERTIFICATES OF AUTHORIZATION
ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR

LENNAR

LENNAR HOMES
10471 BEN C PRATT / 6 MILE
CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966

PHONE (239) 278-1177
FAX (239) 931-4749

PROJECT DESCRIPTION

WildBlue

LEE COUNTY, FLORIDA

ENGINEER OF RECORD
TIMOTHY B. GAVIN, P.E., FOR THE FIRM
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SURVEY = 23372S00.DWG

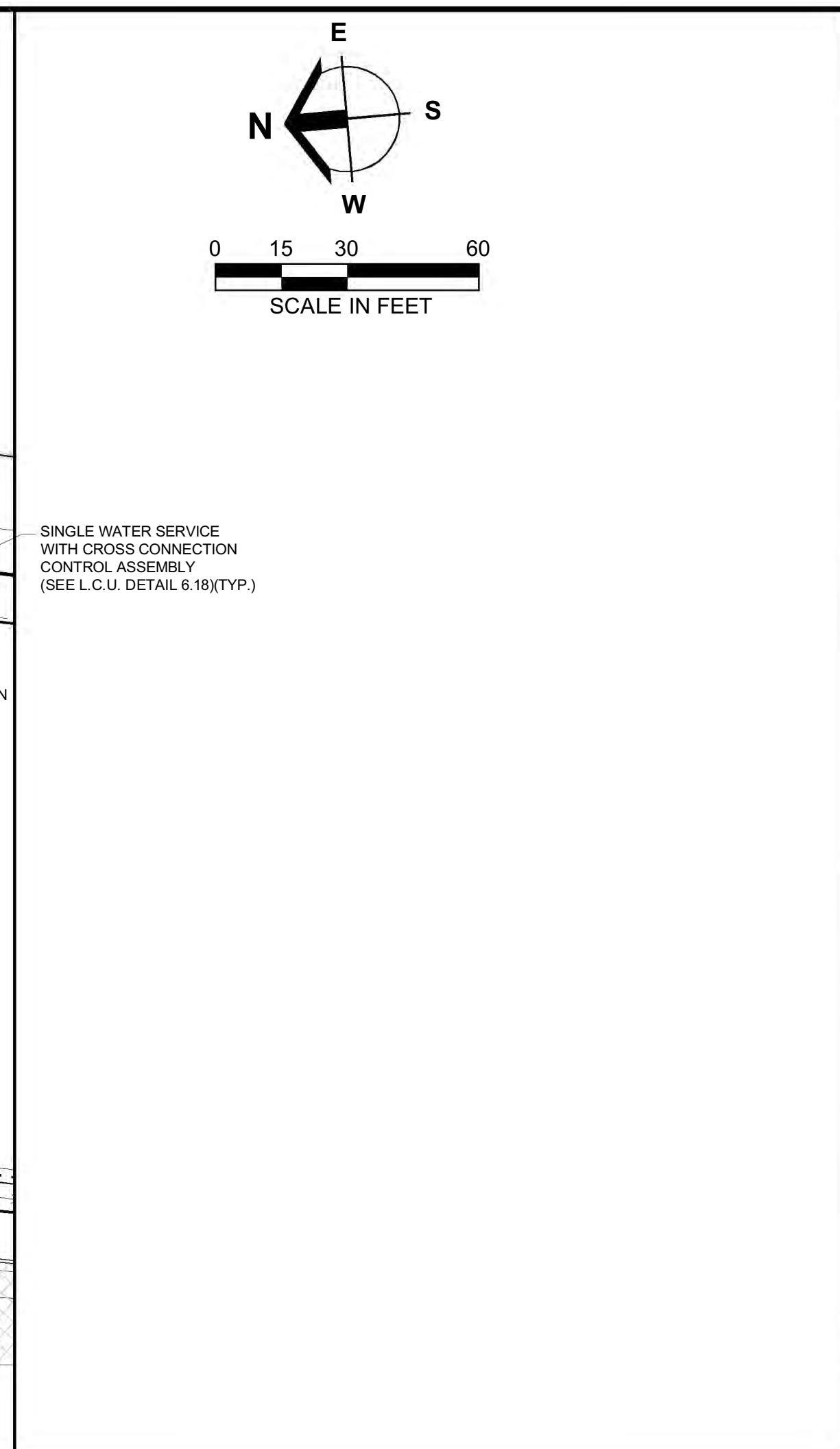
PLAN REVISIONS
09-16-19 L.C.U. COMMENTS DATED 09-10-19

PLAN STATUS
APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

PLAN AND PROFILE
BLUE SAPPHIRE DR.
STA: 152+00 TO 159+50

PROJECT / FILE NO.
23795

SHEET NUMBER
10.7

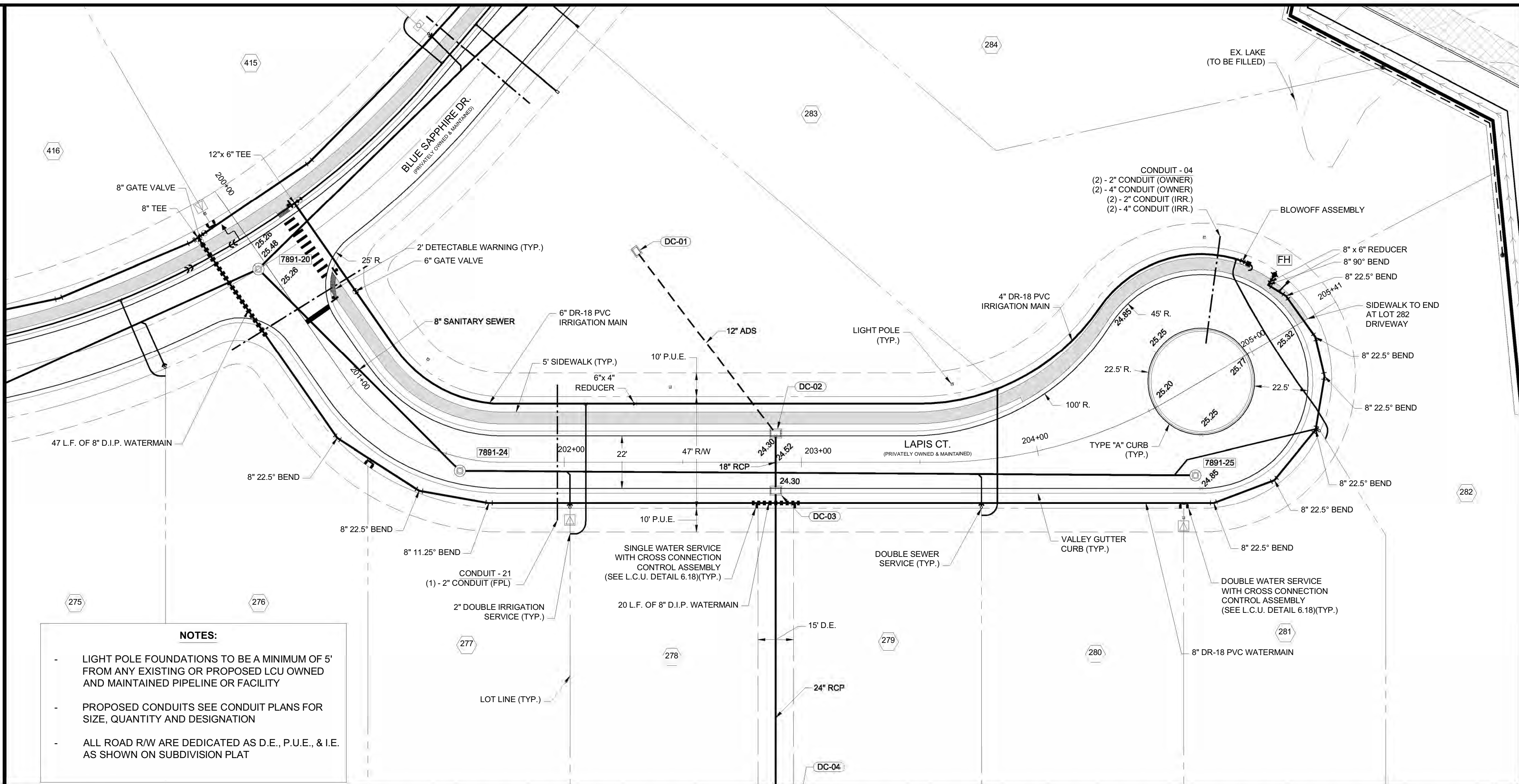


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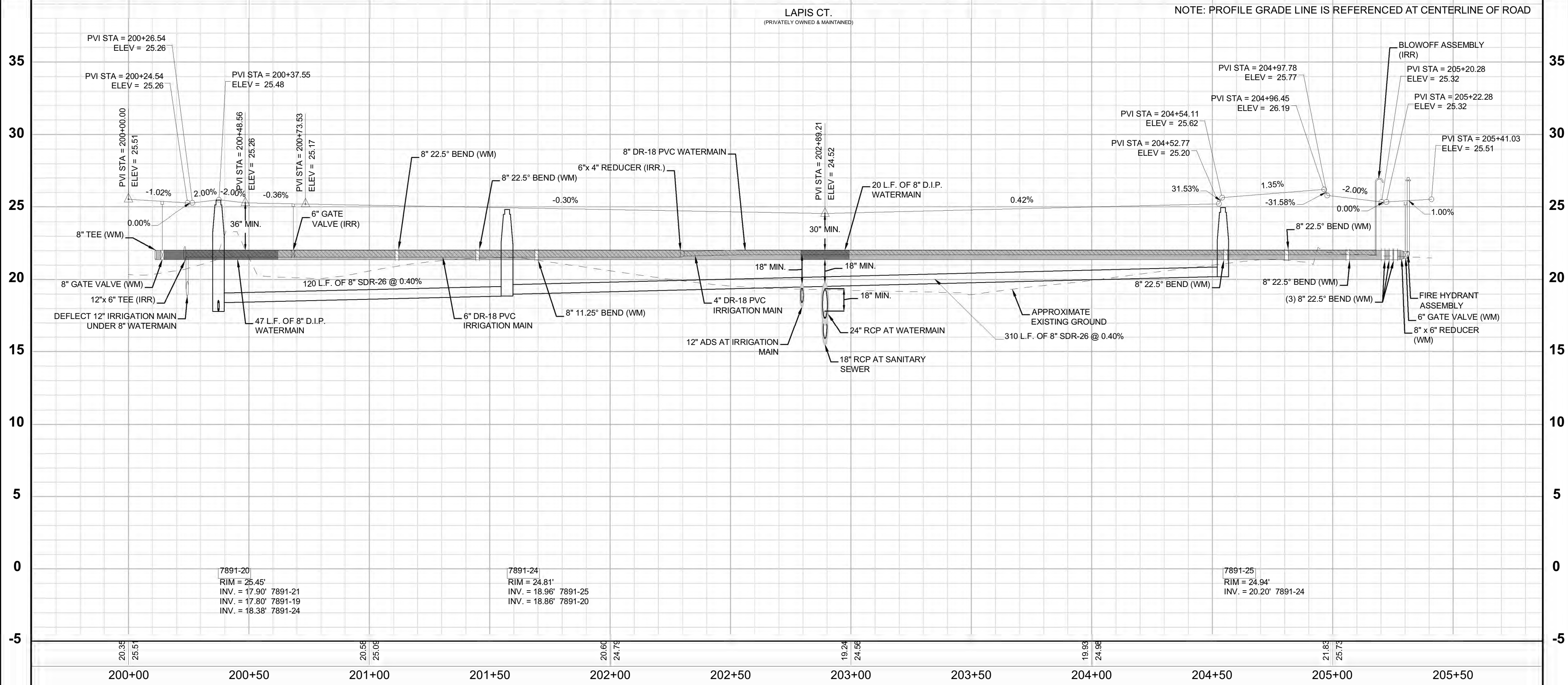
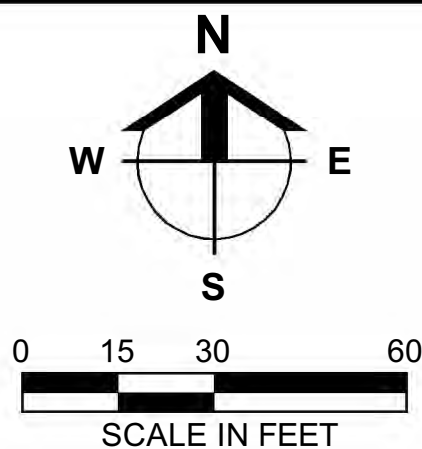
35
30
25
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15
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0
-5

APPROVED
DOS2019-00120
Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020

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FLORIDA CERTIFICATES OF AUTHORIZATION ENGINEERING 7995 - SURVEYING LB-6940	
PREPARED FOR	
<div>LENNAR[®]</div> <div>LENNAR HOMES 10471 BEN C PRATT / 6 MILE CYPRESS PARKWAY FORT MYERS, FLORIDA 33966</div>	
PHONE (239) 278-1177 FAX (239) 931-4749	
PROJECT DESCRIPTION	
<div>WildBlue</div> <div>LEE COUNTY, FLORIDA</div>	
ENGINEER OF RECORD	
TIMOTHY B. GAVIN, P.E., FOR THE FIRM FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET	
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PLOT DATE	TUE. 1-14-2020 - 9:37 AM
PLOT BY	SCOTT WHEELER JR
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BASEPLAN =	23795A00.DWG
SURVEY =	2372500.DWG
PLAN REVISIONS	
PLAN STATUS	
APPROVAL SUBMITTAL PLANS NOT FOR CONSTRUCTION	
PLAN AND PROFILE BLUE SAPPHIRE DR. STA.: 167+50 TO END	
PROJECT / FILE NO.	SHEET NUMBER
23795	10.9



- NOTES:**
- LIGHT POLE FOUNDATIONS TO BE A MINIMUM OF 5' FROM ANY EXISTING OR PROPOSED LCU OWNED AND MAINTAINED PIPELINE OR FACILITY
 - PROPOSED CONDUITS SEE CONDUIT PLANS FOR SIZE, QUANTITY AND DESIGNATION
 - ALL ROAD R/W ARE DEDICATED AS D.E., P.U.E., & I.E. AS SHOWN ON SUBDIVISION PLAT



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FLORIDA CERTIFICATES OF AUTHORIZATION
 ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR

LENNAR

LENNAR HOMES
 10471 BEN C PRATT / 6 MILE
 CYPRESS PARKWAY
 FORT MYERS, FLORIDA 33966

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PROJECT DESCRIPTION

WildBlue

LEE COUNTY, FLORIDA

ENGINEER OF RECORD
 TIMOTHY B. GAVIN, P.E., FOR THE FIRM
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FILE NAME = J:\23795A\DWG

LOCATION = J:\23795A\DWG\DO

PLOT DATE = TUE. 1-14-2020 - 9:38 AM

PLOT BY = SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS

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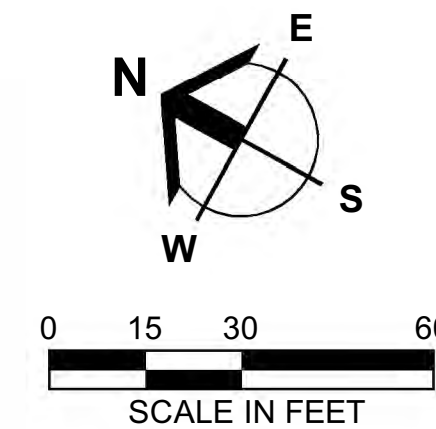
PLAN REVISIONS

PLAN STATUS

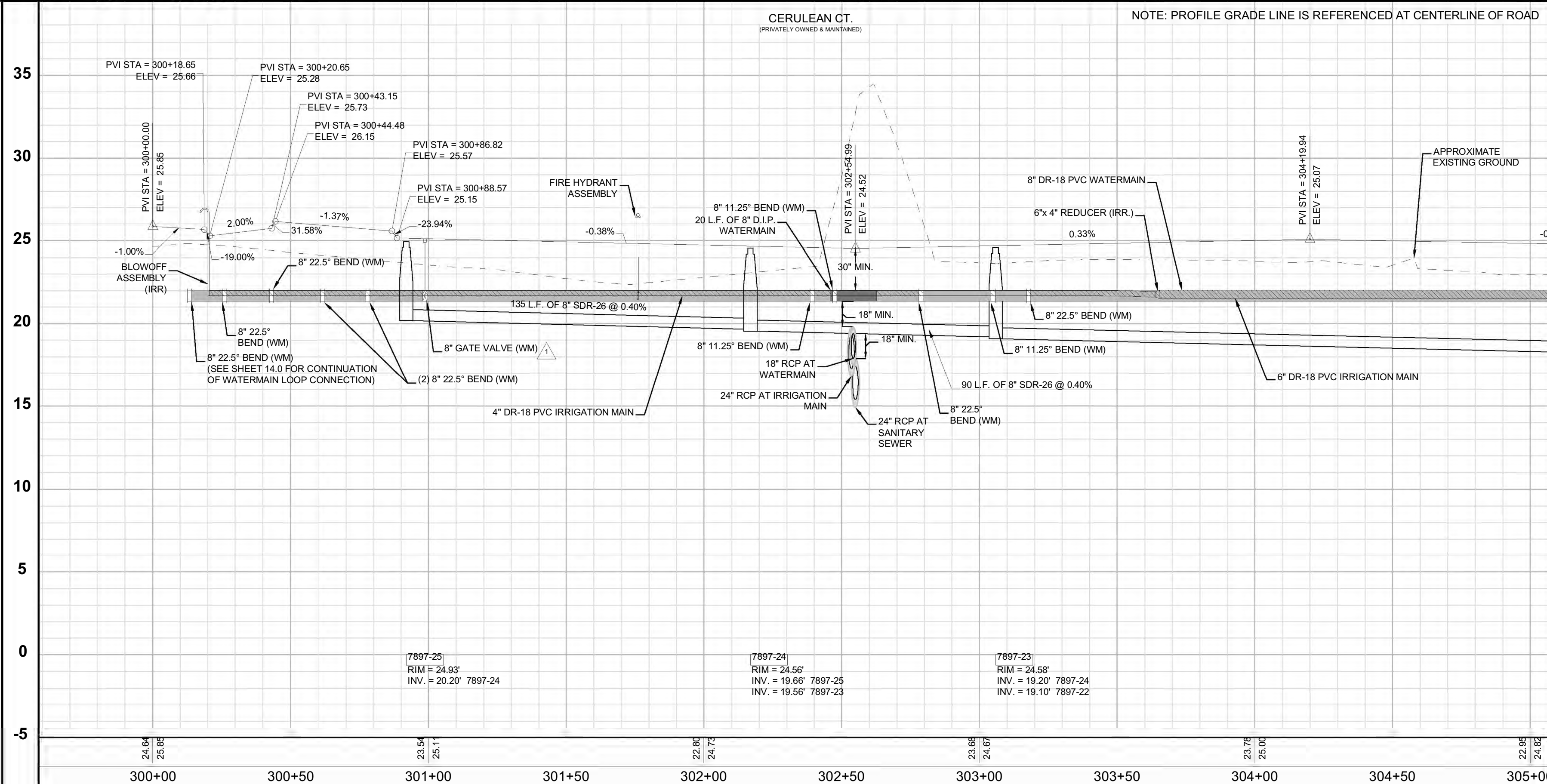
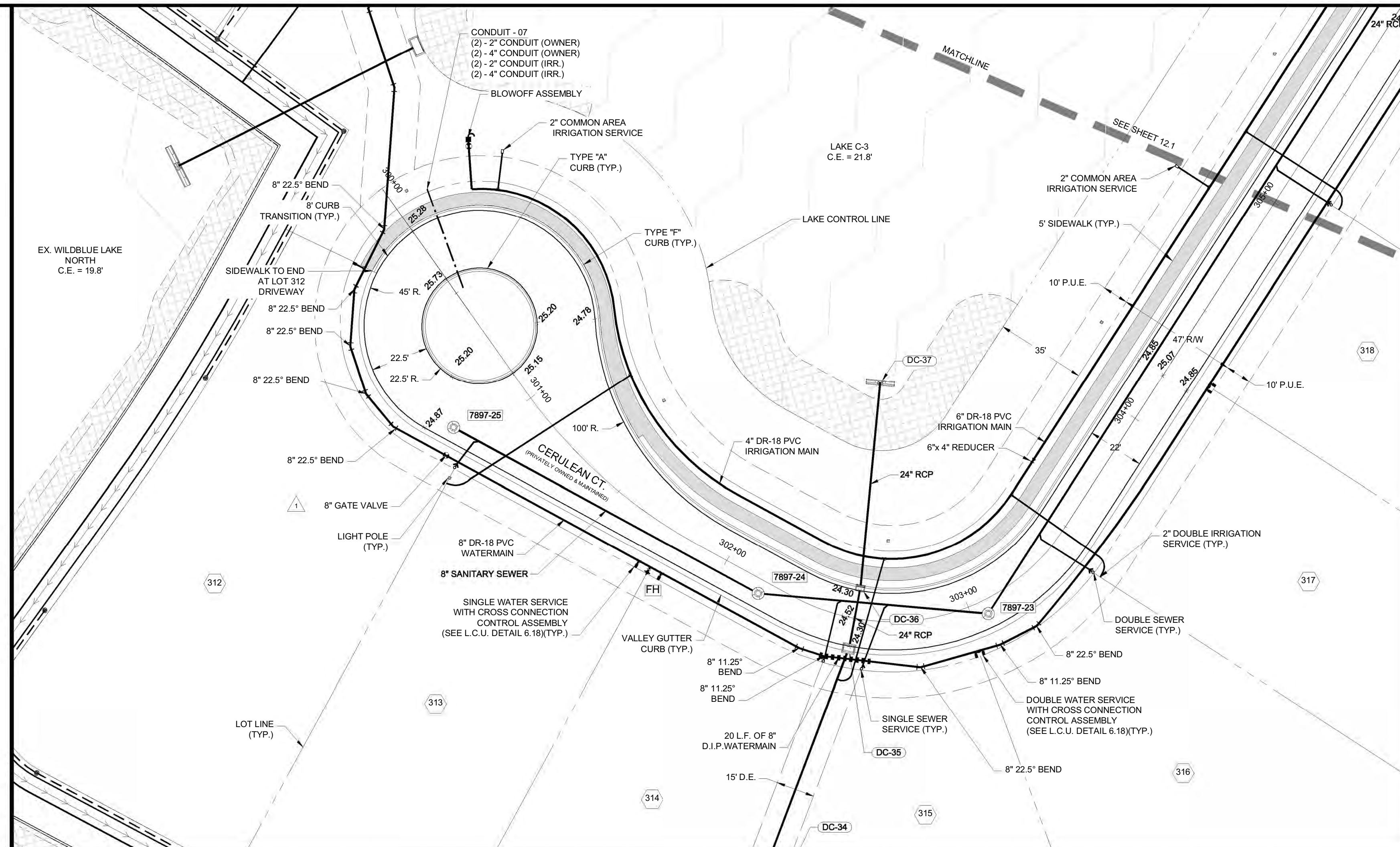
APPROVAL SUBMITTAL PLANS
 NOT FOR CONSTRUCTION

PLAN AND PROFILE
LAPIS CT.
STA: 200+00 TO END

PROJECT / FILE NO.	SHEET NUMBER
23795	11.0

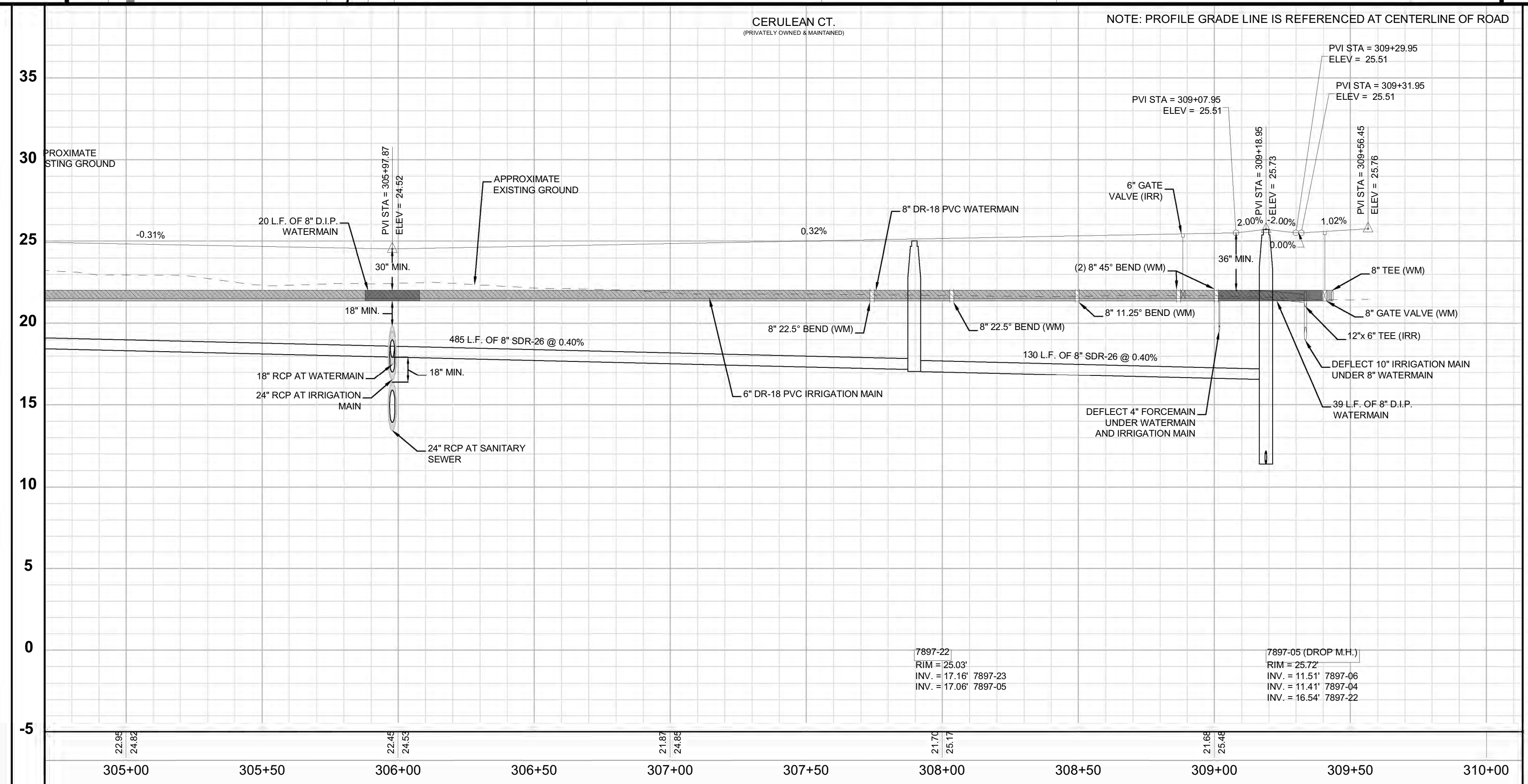
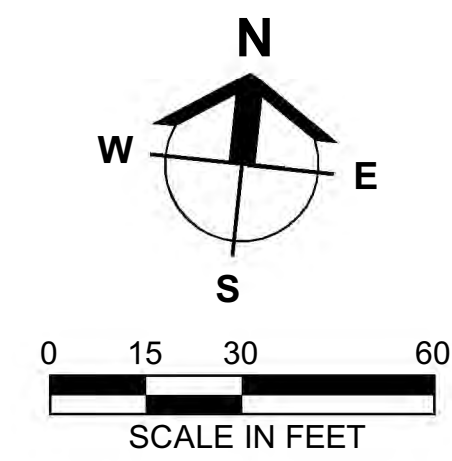
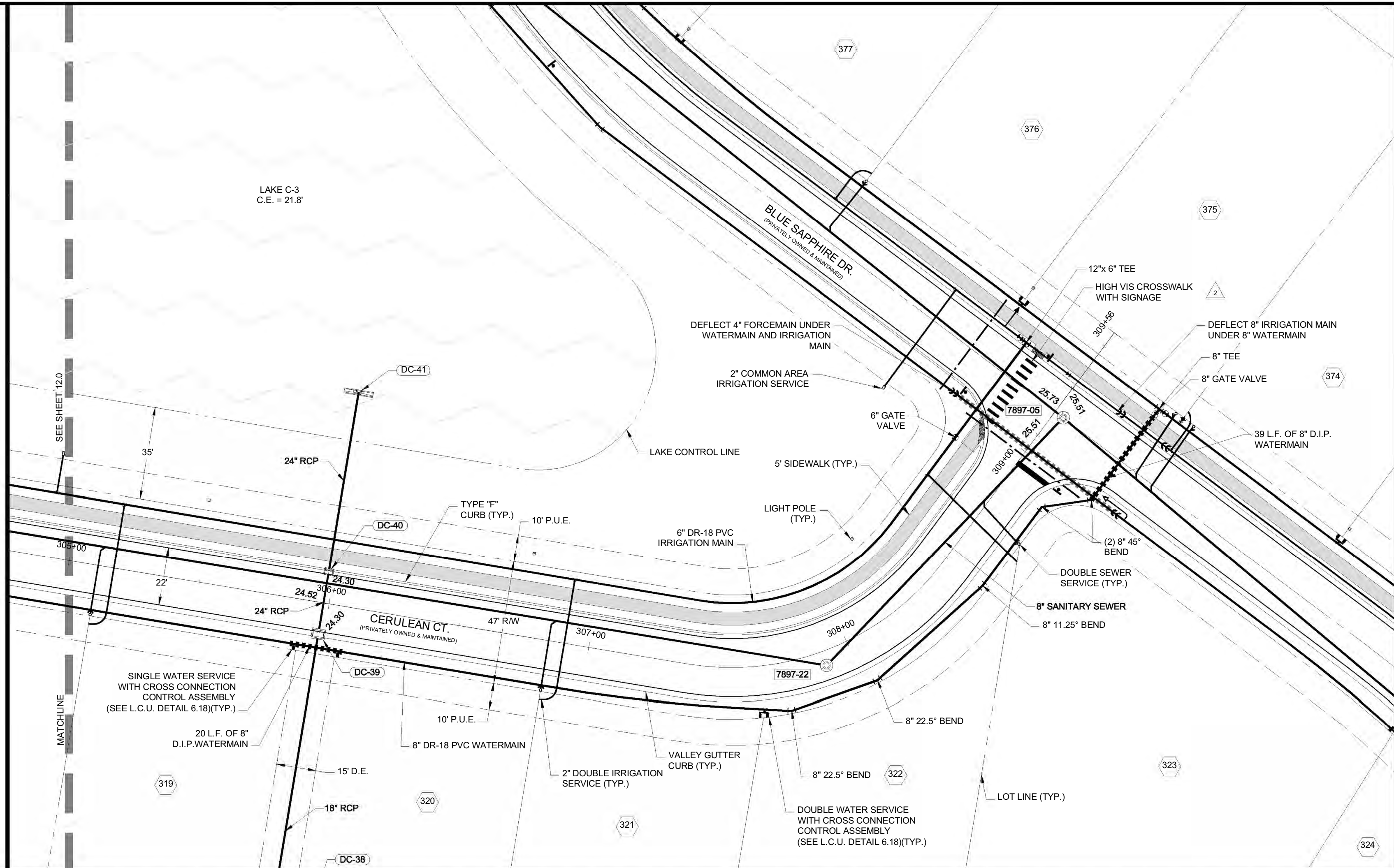


- NOTES:**
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Lee County Development Services
5/4/2020

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PHONE (239) 461-3170
FAX (239) 461-3169
FLORIDA CERTIFICATES OF AUTHORIZATION
ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR
LENNAR
LENNAR HOMES
10471 BEN C PRATT / 6 MILE
CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966
PHONE (239) 278-1177
FAX (239) 931-4749

PROJECT DESCRIPTION
WildBlue
LEE COUNTY, FLORIDA

ENGINEER OF RECORD
TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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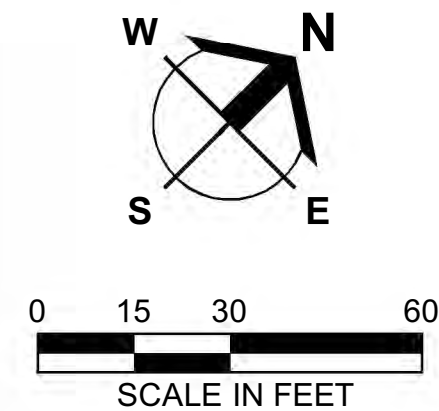
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PLAN REVISIONS	
10-14-19	DO COMMENTS DATED 10-14-19

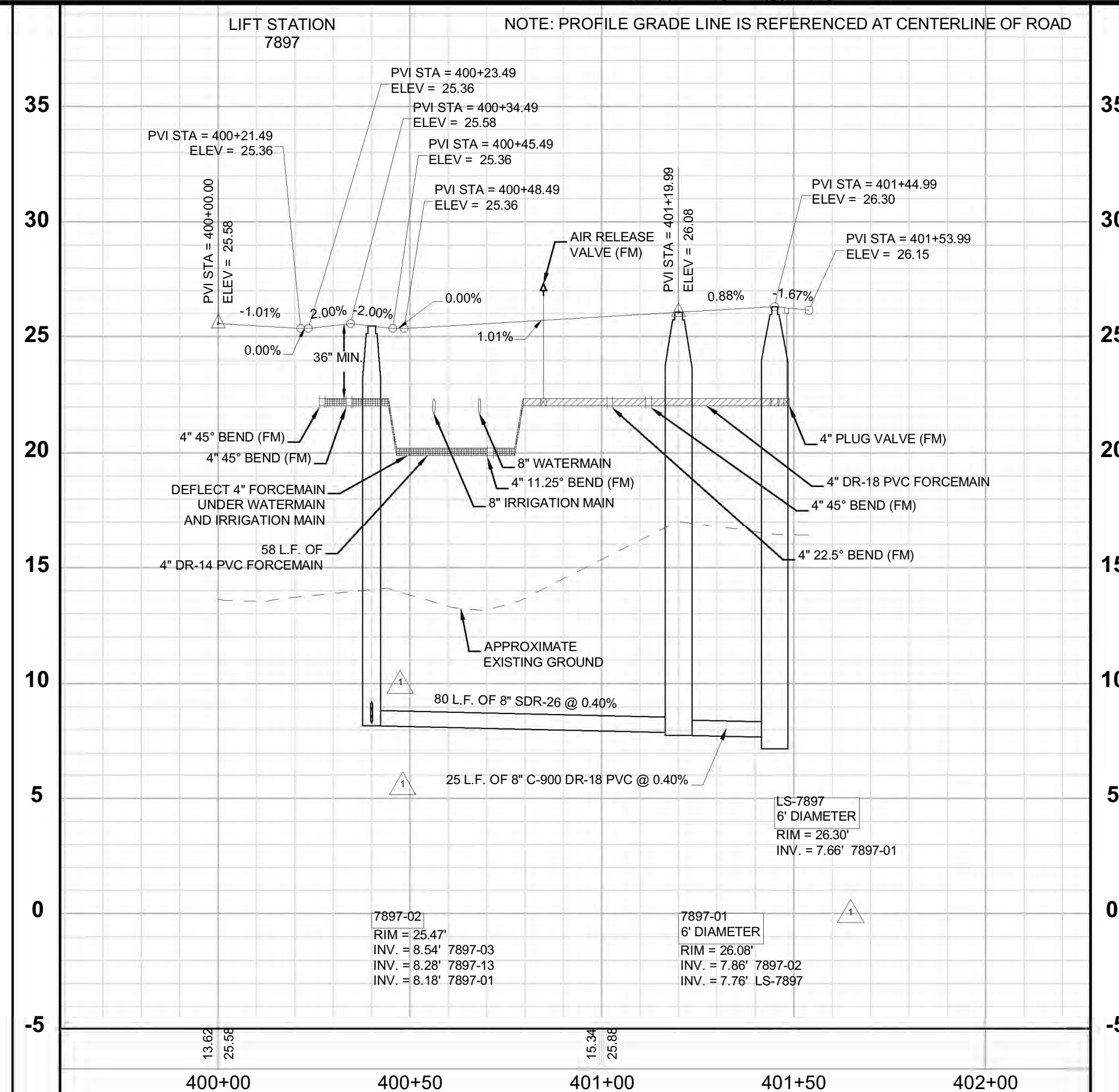
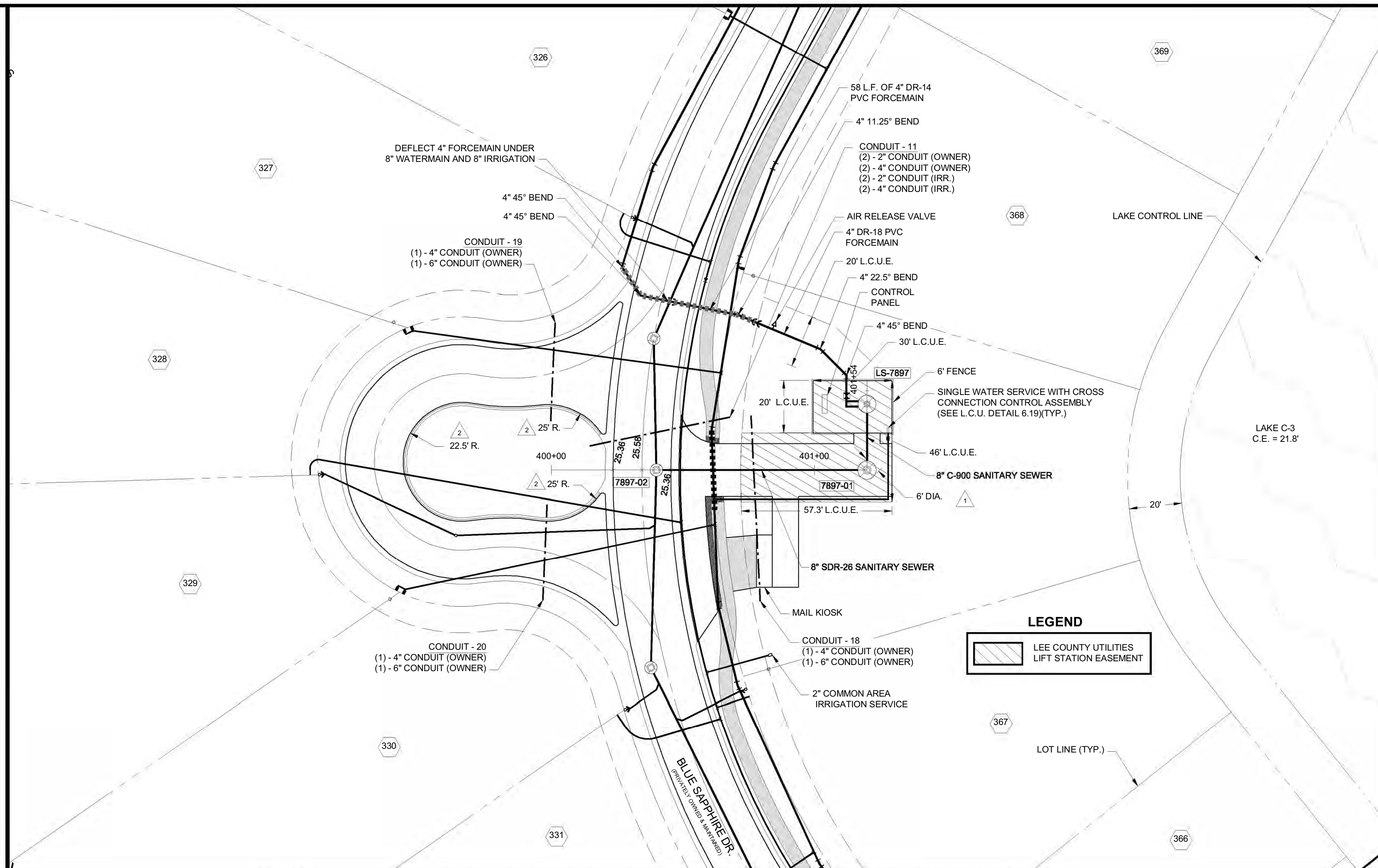
PLAN STATUS
APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

PLAN AND PROFILE
CERULEAN CT.
STA:305+00 TO END

PROJECT / FILE NO.	SHEET NUMBER
23795	12.1

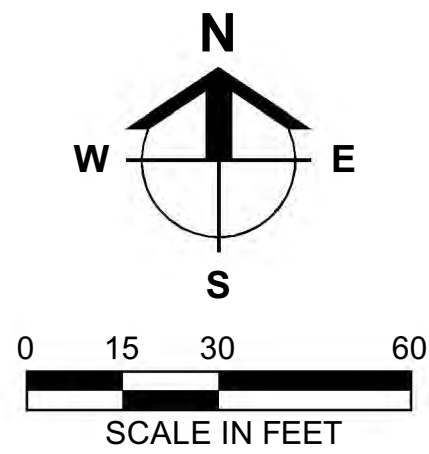
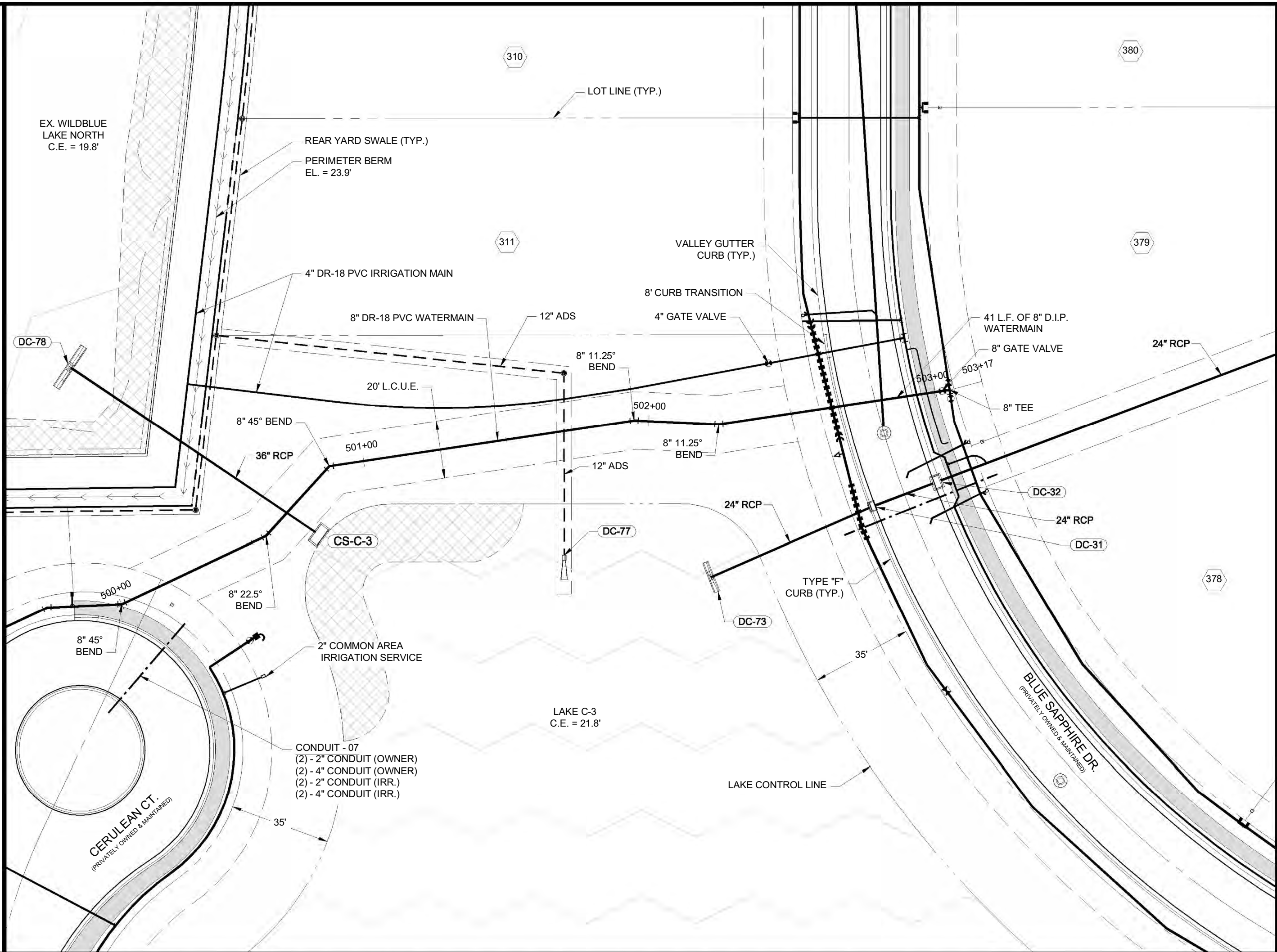


- NOTES:**
- LIGHT POLE FOUNDATIONS TO BE A MINIMUM OF 5' FROM ANY EXISTING OR PROPOSED LCU OWNED AND MAINTAINED PIPELINE OR FACILITY
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Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020

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Lee County Development Services
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FAX (239) 461-3169
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ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR
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CYPRESS PARKWAY
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PHONE (239) 278-1177
FAX (239) 931-4749

PROJECT DESCRIPTION
WildBlue
LEE COUNTY, FLORIDA

ENGINEER OF RECORD
TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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PLOT DATE | TUE, 1-14-2020 - 9:41 AM
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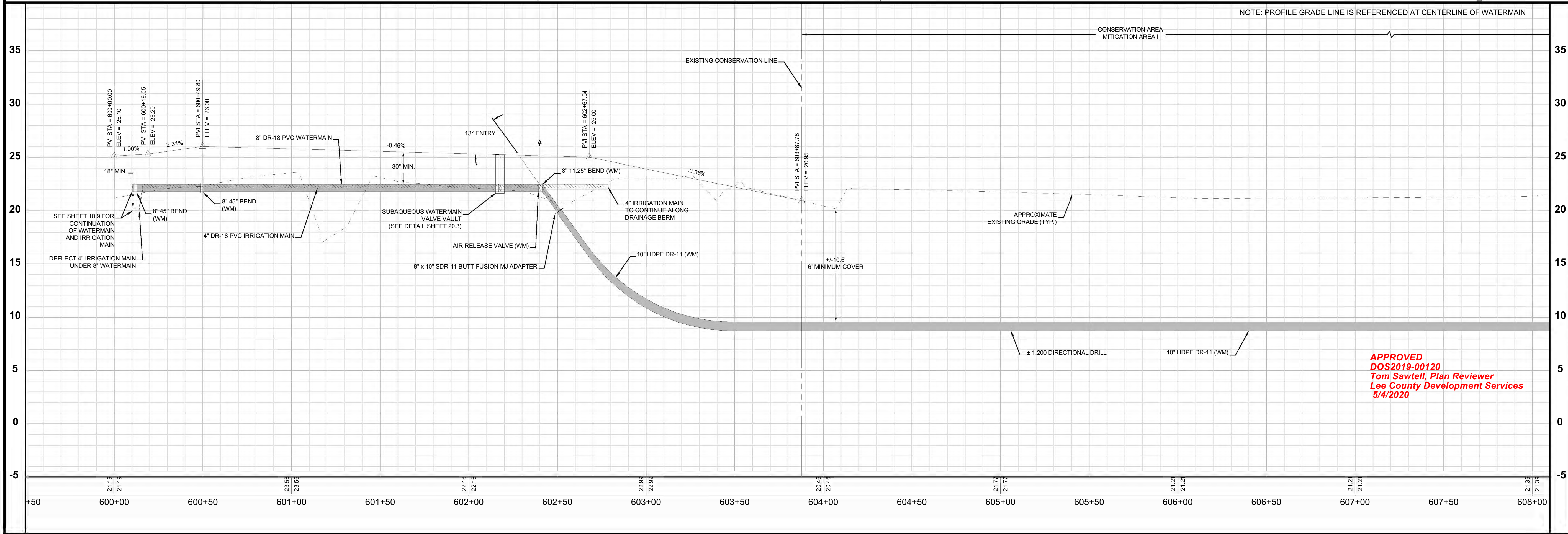
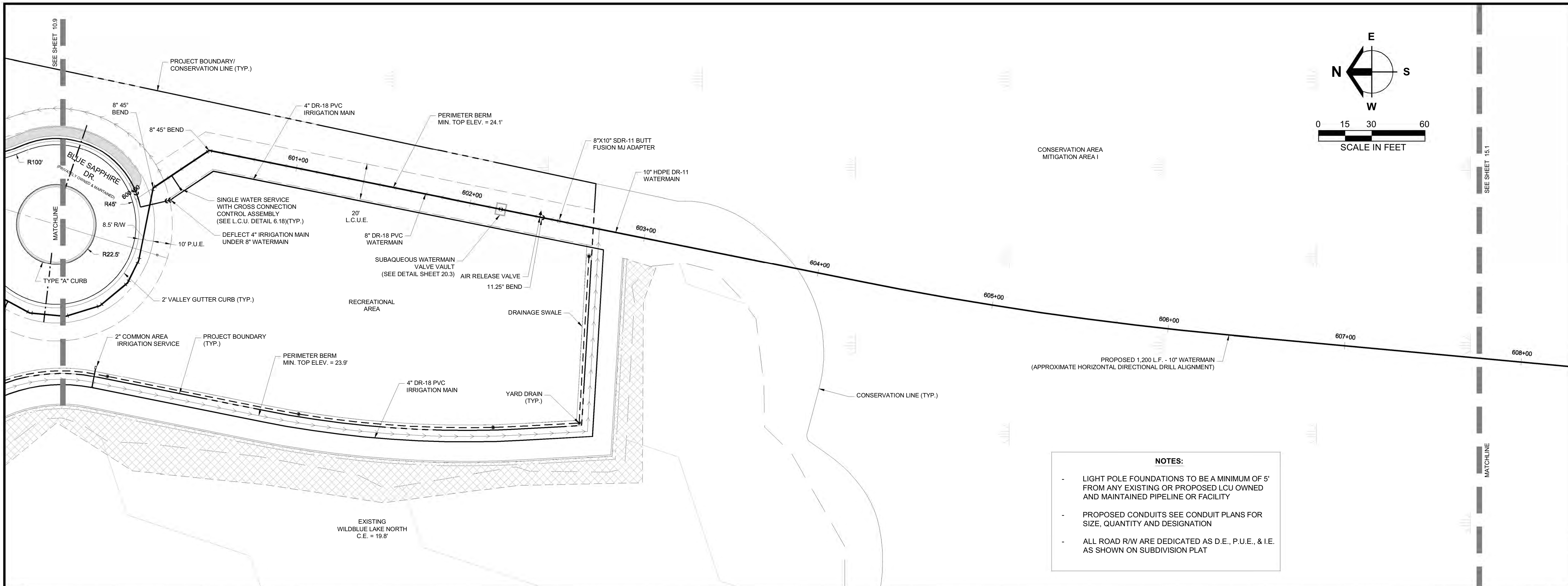
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PLAN REVISIONS	

PLAN STATUS
APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

PLAN AND PROFILE
WATERMAIN LOOP
STA: 500+00 TO END

PROJECT / FILE NO.	SHEET NUMBER
23795	14.0



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FLORIDA CERTIFICATES OF AUTHORIZATION
ENGINEERING 7995 - SURVEYING LB-6940

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PLOT BY: SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS
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SURVEY = 23372S00.DWG

PLAN REVISIONS

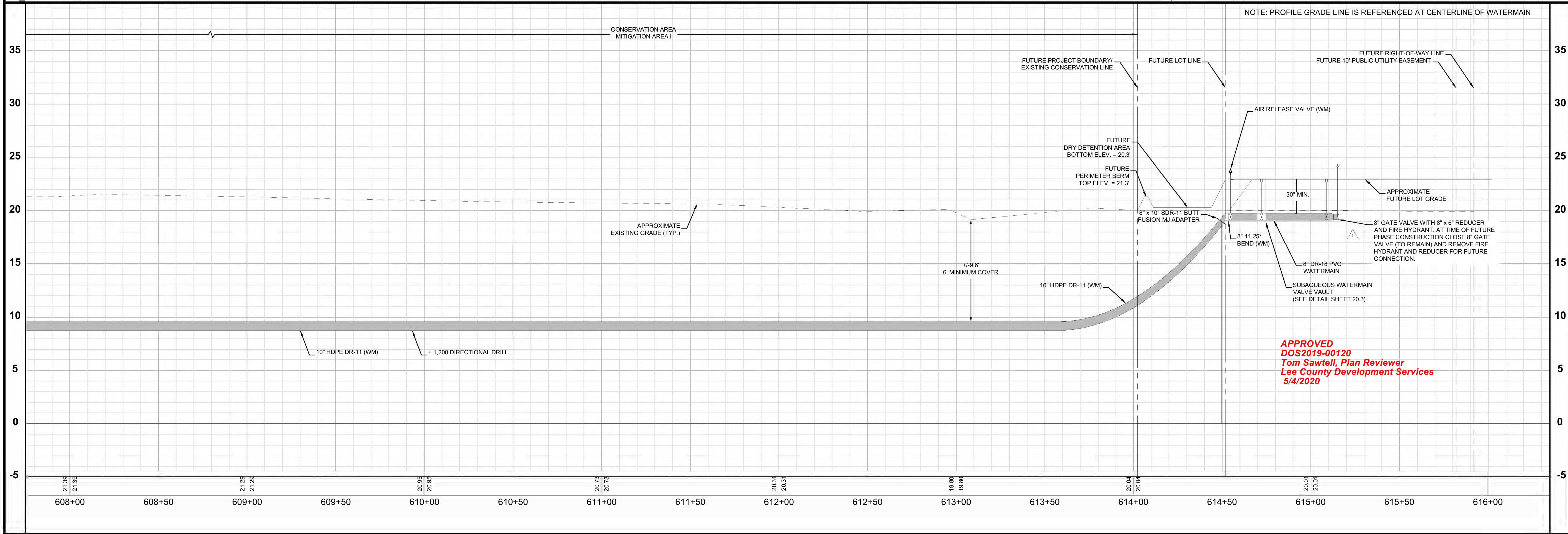
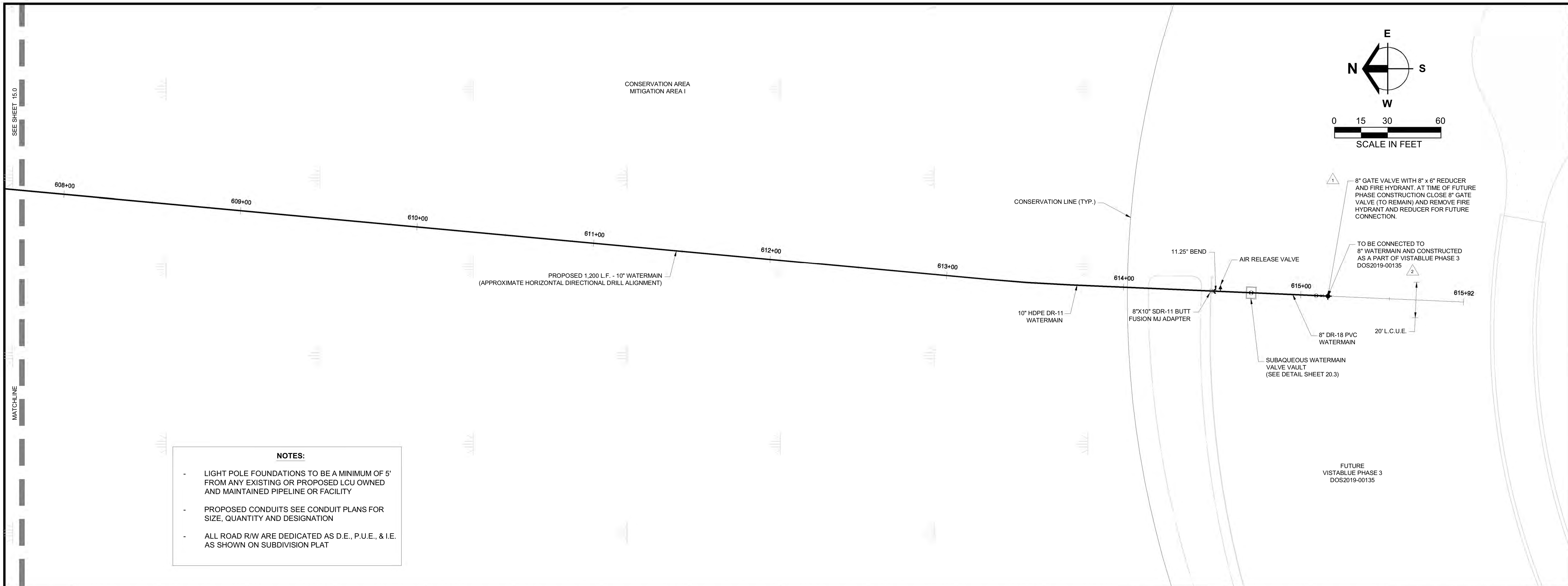
PLAN STATUS

APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

PLAN AND PROFILE
WATERMAIN DIRECTIONAL BORE
STA: 600+00 TO 608+00

PROJECT / FILE NO.
23795

SHEET NUMBER
15.0



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FAX (239) 461-3169

FLORIDA CERTIFICATES OF AUTHORIZATION
ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR

LENNAR

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PROJECT DESCRIPTION

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LEE COUNTY, FLORIDA

ENGINEER OF RECORD

TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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FILE NAME | 23795A30F.DWG

LOCATION | J:\23795\DWG\DO

PLOT DATE | TUE. 1-14-2020 - 9:42 AM

PLOT BY | SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS

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SURVEY = 23372S00.DWG

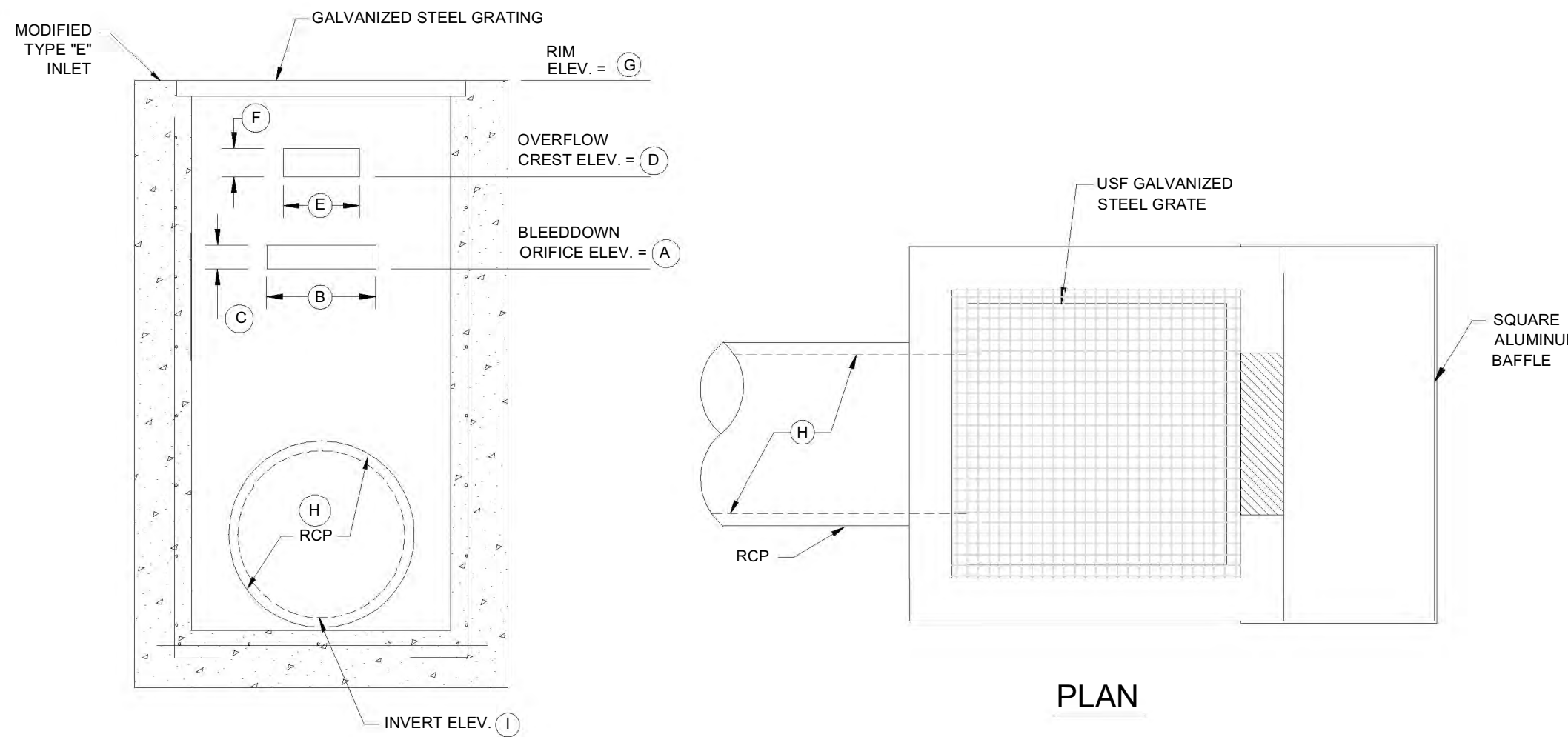
PLAN STATUS

APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

PLAN AND PROFILE
WATERMAIN DIRECTIONAL BORE
STA: 608+00 TO END

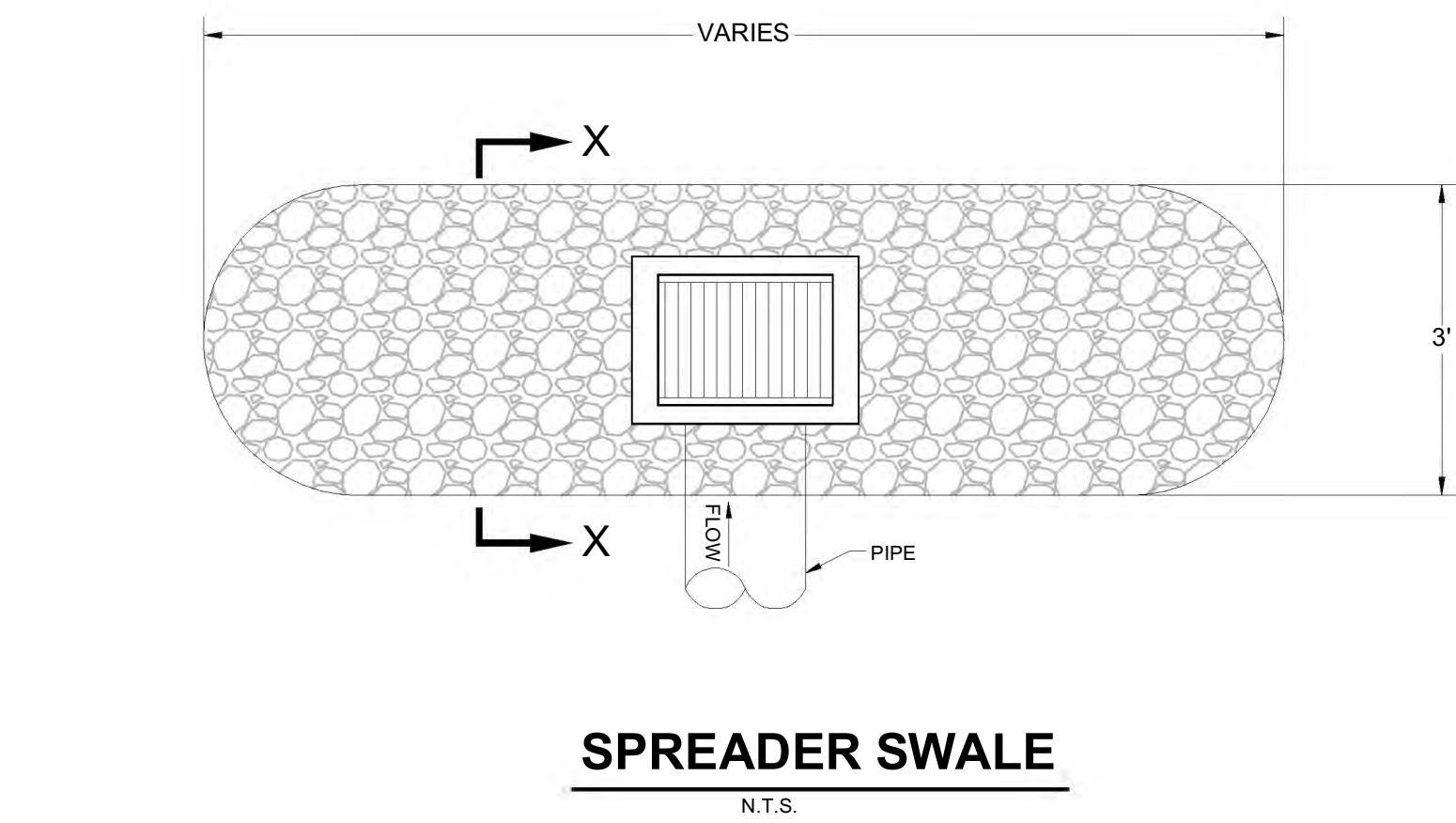
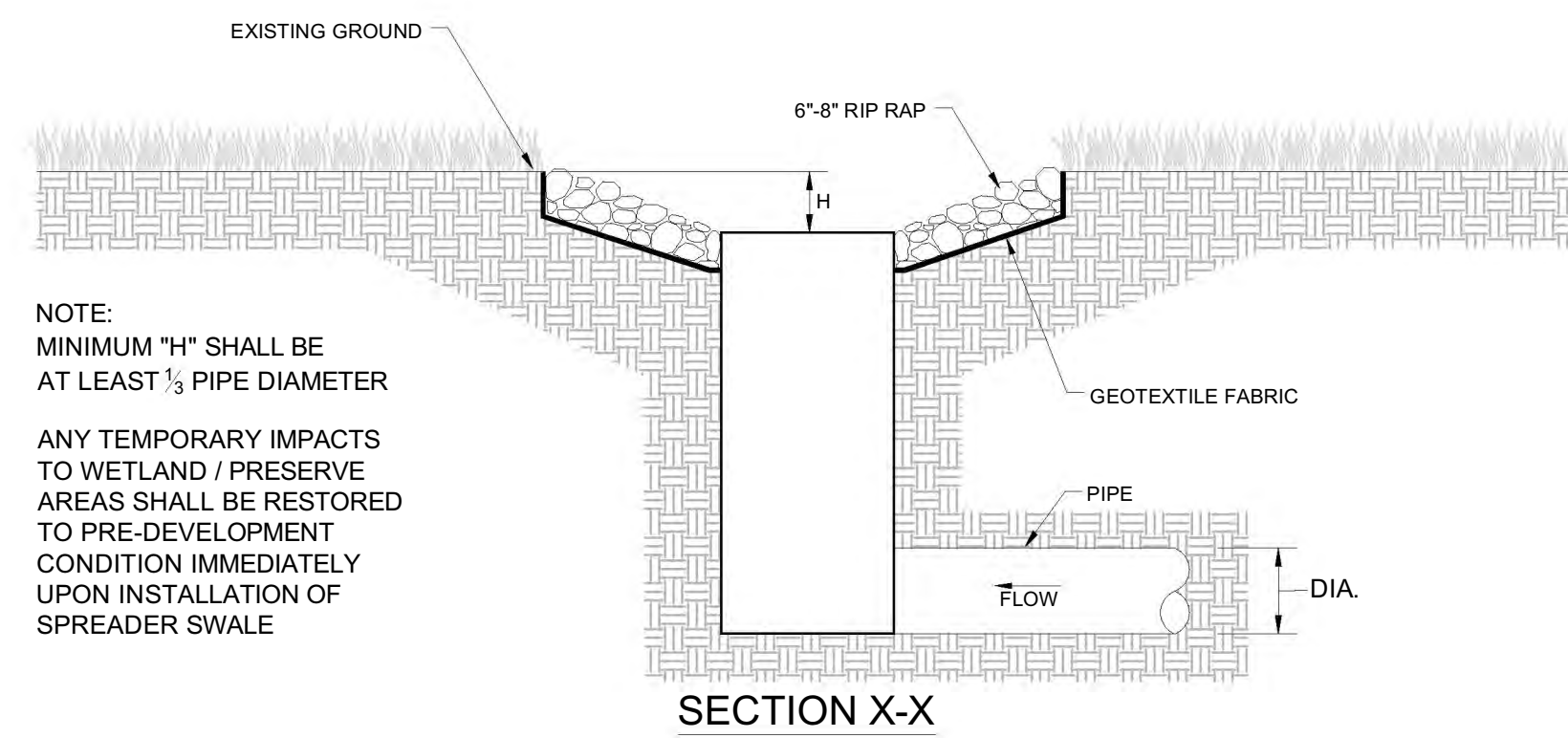
PROJECT / FILE NO.
23795

SHEET NUMBER
15.1

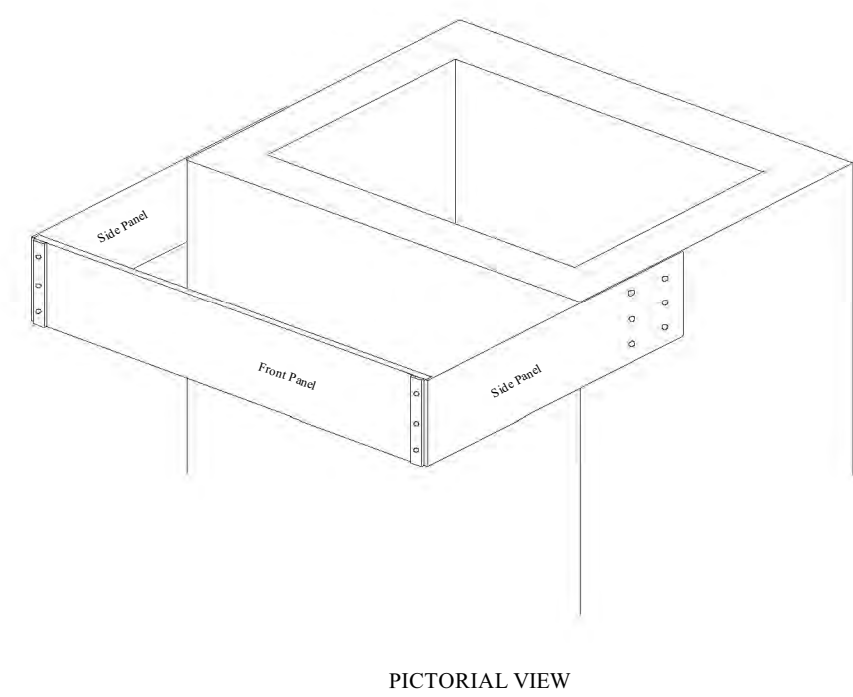


CONTROL STRUCTURE PARAMETERS	
(A)	INVERT OF BLEEDDOWN ORIFICE (FT-NAVD)
(B)	WIDTH OF BLEEDDOWN ORIFICE (INCHES)
(C)	HEIGHT OF BLEEDDOWN ORIFICE (INCHES)
(D)	OVERFLOW CREST ELEVATION (FT-NAVD)
(E)	WIDTH OF OVERFLOW ORIFICE (INCHES)
(F)	HEIGHT OF OVERFLOW ORIFICE (INCHES)
(G)	RIM ELEVATION OF STRUCTURE (FT-NAVD)
(H)	PIPE DIAMETER (INCHES)
(I)	INVERT OF PIPE AT STRUCTURE (FT-NAVD)

CONTROL STRUCTURE SCHEDULE:	
	(A) (B) (C) (D) (E) (F) (G) (H) (I)
CS-C-1 & CS-C-2	21.8' 15.0" 3.0" 22.5' 9.0" 3.0" 24.1' 24" 17.3'

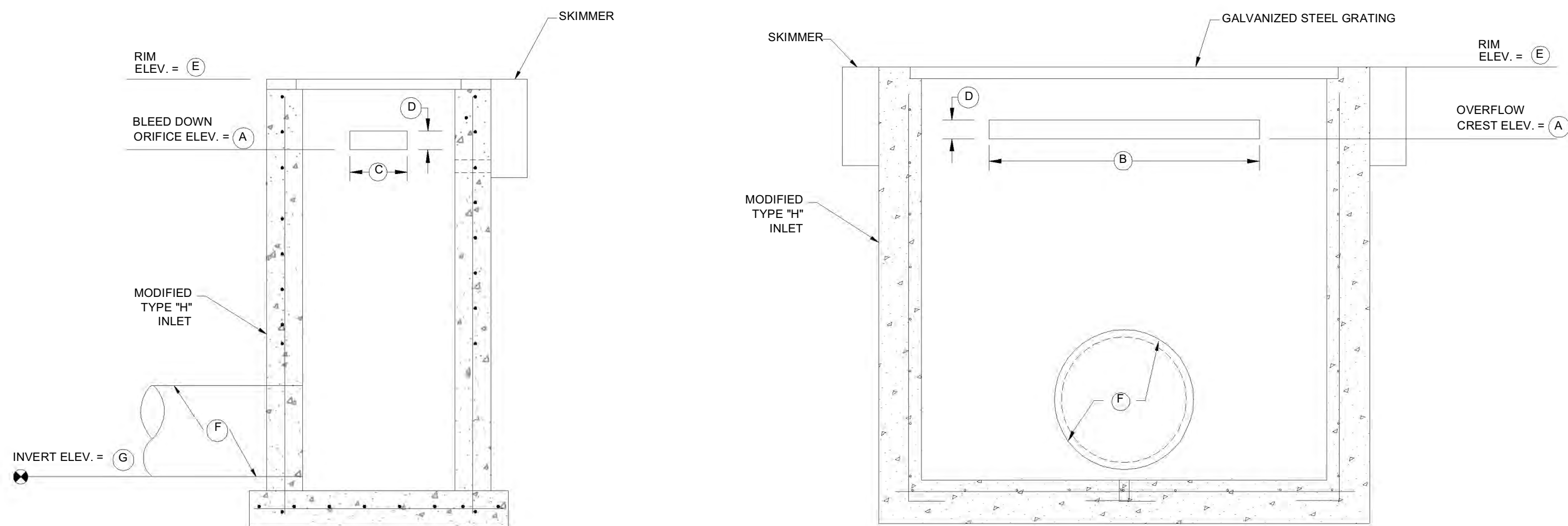


SKIMMER FOR OUTLET CONTROL STRUCTURES



PICTORIAL VIEW

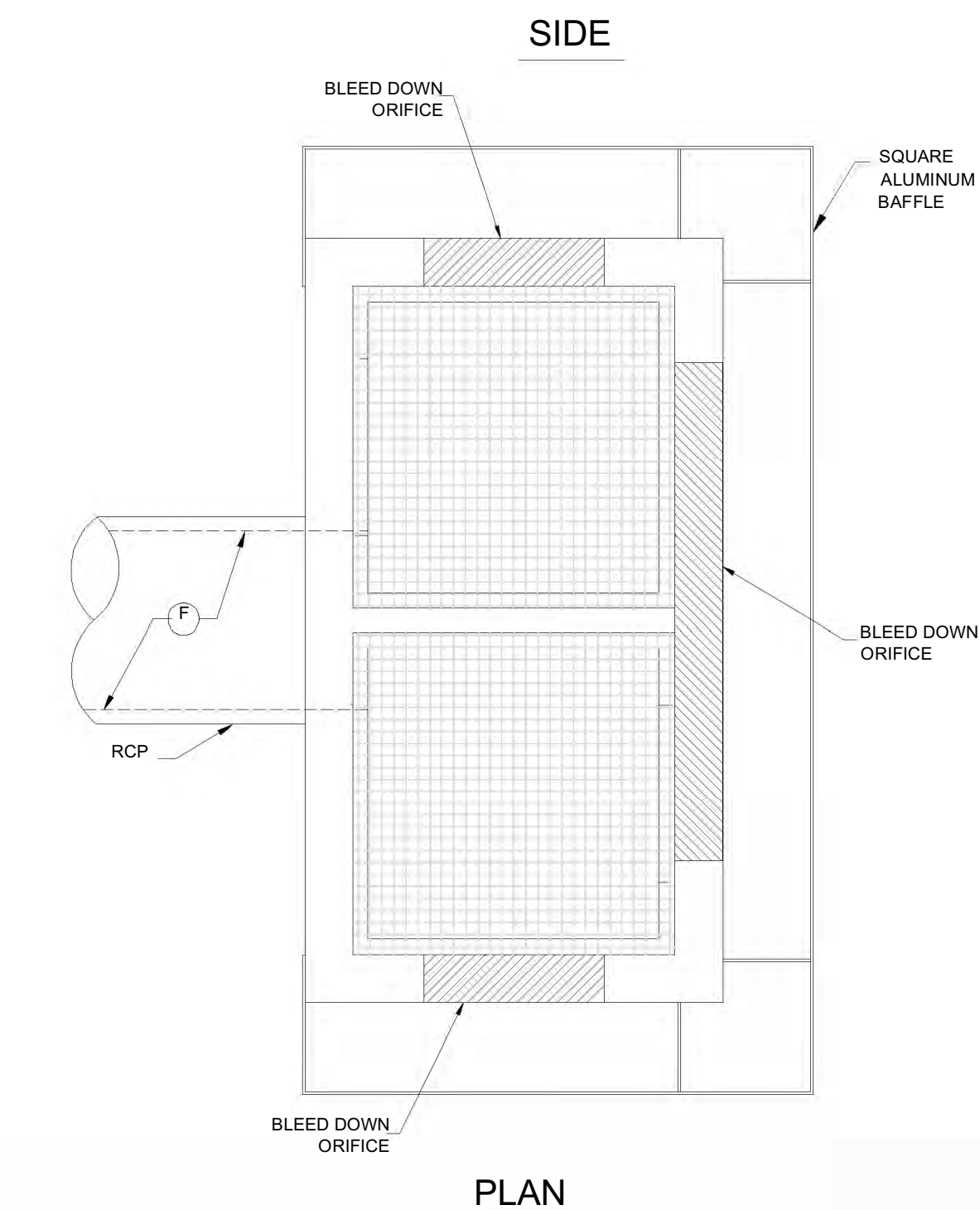
- GENERAL SKIMMER NOTES
(REFER TO FOOT INDEX 240 FOR FURTHER DETAILS)
- THIS SKIMMER IS INTENDED FOR USE ON TYPE C, D, OR E DITCH BOTTOM INLETS THAT ARE USED AS OUTLET CONTROL STRUCTURES OF STORMWATER MANAGEMENT FACILITIES.
 - THE SIDE PANELS ARE DIMENSIONALLY SYMMETRIC, THEREFORE THEY MAY BE USED ON EITHER SIDE OF THE STRUCTURE.
 - TWO (2) SKIMMERS MAY BE CONSTRUCTED ON ONE STRUCTURE PROVIDED THEY ARE ON OPPOSITE ENDS.
 - THE WIDTH OF THE FRONT PANEL (DIMENSION W) SHALL BE THE SAME AS THE OUTSIDE DIMENSION ACROSS THE FRONT OF THE STRUCTURE.
 - THE FRONT PANEL, SIDE PANELS, AND FLAT BARS ARE TO BE HOT DIP GALVANIZED AFTER FABRICATION.
 - THE LOCATION OF THE REINFORCING STEEL IN THESE STRUCTURES MUST CONFORM TO THE APPLICABLE STANDARDS TO AVOID CONFLICT WITH THE EXPANSION ANCHORS USED TO ATTACH THE SKIMMER.
 - GRATES TO BE USED ON THE INLETS UNLESS OTHERWISE SPECIFIED IN THE PLANS.
 - A SKIMMER CONSISTS OF TWO (2) SIDE PANELS, ONE FRONT PANEL, TWO (2) FLAT BARS, AND ACCESSORY HARDWARE. THE COST OF THE SKIMMERS IS TO BE INCLUDED IN THE COST OF THE INLET.



SECTION

CONTROL STRUCTURE PARAMETERS	
(A)	INVERT OF BLEED DOWN ORIFICE (FT-NAVD)
(B)	WIDTH OF FRONT BLEED DOWN ORIFICE (INCHES)
(C)	WIDTH OF SIDE BLEED DOWN ORIFICES (INCHES)
(D)	HEIGHT OF BLEED DOWN ORIFICES (INCHES)
(E)	RIM ELEVATION OF STRUCTURE (FT-NAVD)
(F)	PIPE DIAMETER (INCHES)
(G)	INVERT OF PIPE AT STRUCTURE (FT-NAVD)

CONTROL STRUCTURE SCHEDULE:	
	(A) (B) (C) (D) (E) (F) (G)
CS-C-3	- - - - 22.5' 36" 13.6'



CONTROL STRUCTURES: GROUP 4

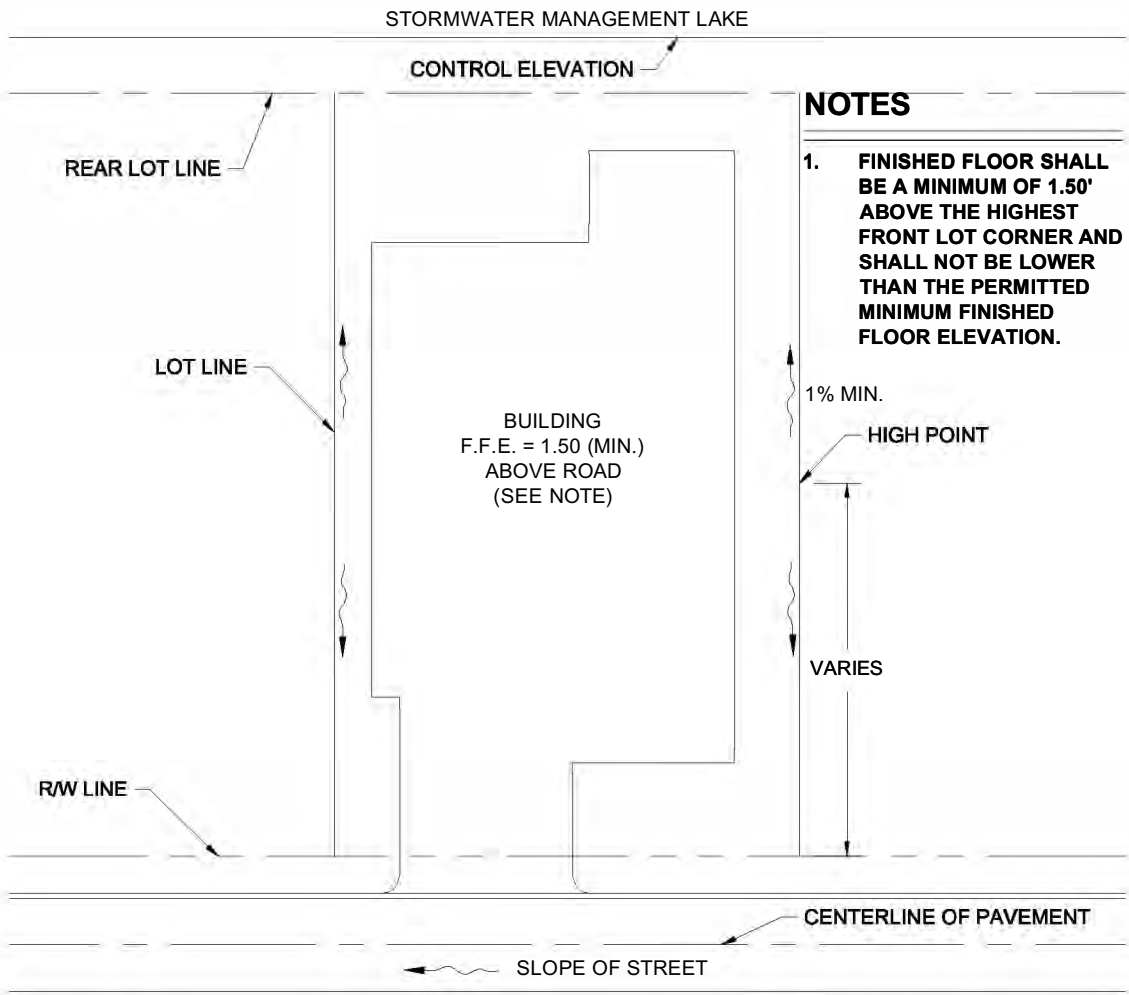
CS-C-3

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Lee County Development Services
5/4/2020

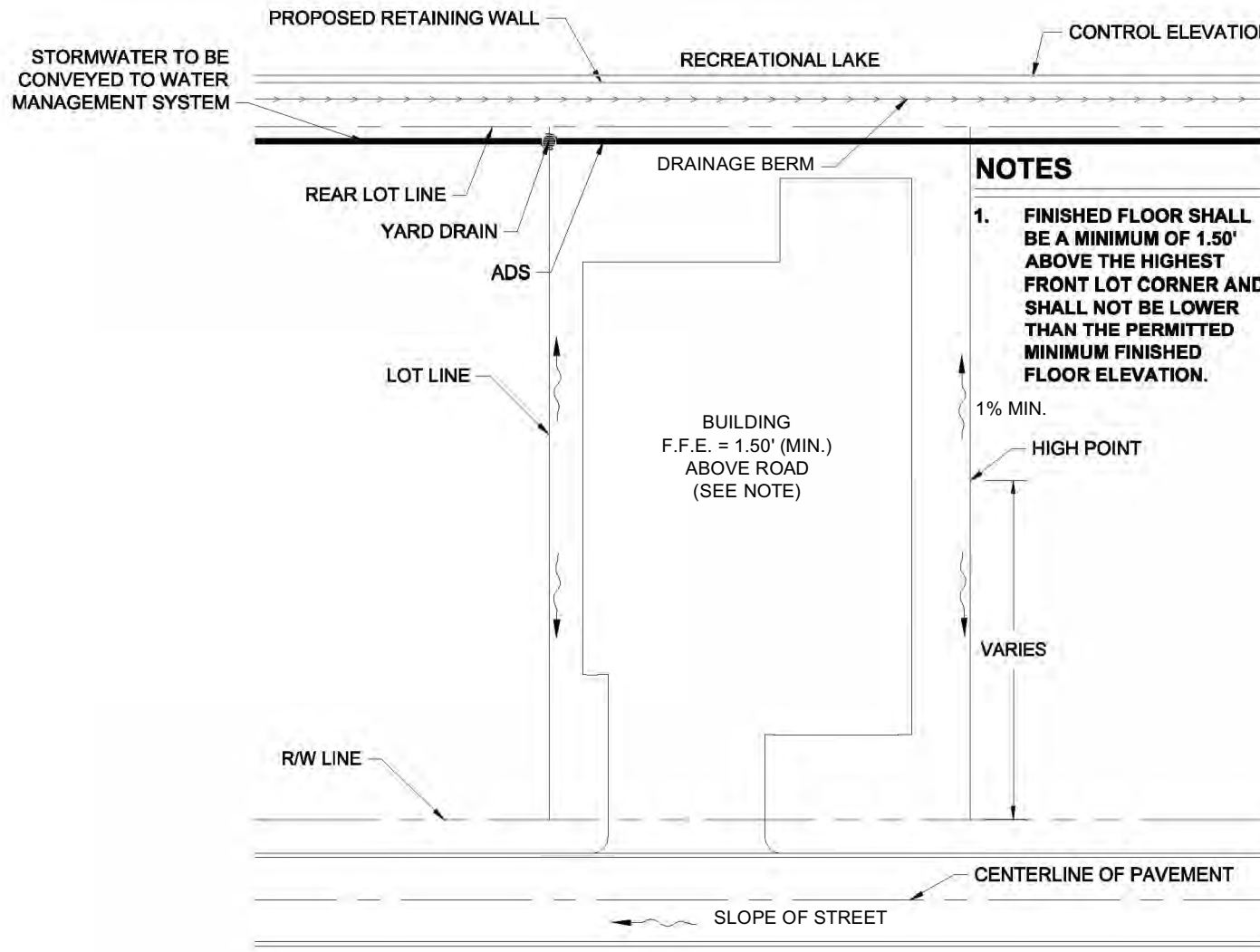
LOT DIMENSION TABLE - REVISED 10-21-19

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MIN.	50	100	5,000
273	87.5	203.6	17,439
274	86.3	218.7	19,431
275	90	226.5	19,710
276	112.5	227.3	19,783
277	87.9	179.8	15,554
278	86.7	182.1	15,797
279	86.7	189.2	16,384
280	85.2	184.4	15,761
281	78.3	199.7	17,221
282	92.5	347.1	42,671
283	75.2	372.8	29,105
284	77.7	261.1	19,368
285	77.7	209.7	15,280
286	75.2	191.9	13,867
287	75.2	195.3	14,801
288	75.2	231.3	17,404
289	75.2	250.3	18,702
290	75.2	233.3	17,551
291	108.9	221.2	19,116
292	122.7	201.6	18,921
293	131.7	186	19,493
294	75.2	190.9	14,357
295	75.2	193.8	14,577
296	77.7	196.8	15,297
297	77.7	212.4	16,496
298	75.2	224.2	16,860
299	75.2	225.9	16,985
300	94.2	226.8	17,914
301	97.5	218.7	17,545
302	97.5	198.2	16,274
303	100.8	181.3	15,802
304	100.8	190.4	16,280
305	97.5	187.2	15,541
306	97.5	175.3	14,920
307	97.5	186.3	15,483
308	84.8	187.7	14,735
309	75.2	185.4	13,962
310	75.2	188.8	14,212
311	75.4	197.3	14,883
312	124	191.4	22,247
313	85.2	182	15,504
314	86.6	181.3	17,649
315	65.7	226.5	32,341
316	65.1	210.4	26,542
317	85.2	216.3	18,228
318	85.2	220.9	18,821
319	86.7	216.8	18,796
320	86.7	212.6	18,425
321	85.5	205.5	17,529
322	109.4	227.5	19,132
323	183.1	261.8	29,139
324	139	225.7	23,122
325	157.5	201.3	21,904
326	85.5	218.6	18,698
327	111.1	241.3	22,511
328	72.4	250	28,096
329	64.8	212.8	24,854
330	107.7	222.7	19,051
331	86.8	214.5	18,374
332	85.3	203.5	17,367
333	86.9	202.4	17,375
334	86.9	192.1	16,770
335	85.4	198.3	16,893
336	95.3	197.6	17,445
337	106.3	208	19,273
338	97.1	264.3	22,825
339	115.1	258	24,735
340	141.1	234.8	25,766
341	122.6	243	23,027
342	105.4	228.4	20,339
343	97.9	224.6	19,787
344	93.2	223.6	19,448

LOT #	WIDTH (')	DEPTH (')	AREA (SF)
MIN.	50	100	5,000
345	85.3	216.5	18,477
346	86.2	219.1	18,699
347	87.5	231.1	19,695
348	87.6	245.1	20,840
349	87.6	248.9	21,377
350	86	259.5	22,074
351	85.3	254.1	21,524
352	86.2	224.4	19,123
353	87.8	203.8	17,768
354	87.6	209.9	18,208
355	85.3	229.6	19,571
356	85.3	218.8	18,840
357	201.6	150.1	22,544
358	78.4	173.3	13,072
359	75.6	158.5	11,969
360	75.2	157	11,806
361	75.2	157	11,806
362	75.2	157	11,806
363	75.2	157	11,806
364	75.2	157	11,806
365	77.7	157	12,199
366	77.7	157	12,199
367	122.9	157.3	15,420
368	114.1	157.9	15,744
369	75.2	157	11,806
370	77.6	157.1	13,849
371	77.7	157	14,463
372	75.3	157	14,018
373	75.4	157.1	13,133
374	75.2	157	11,806
375	75.2	157	11,806
376	75.2	157	11,806
377	87.5	157.2	12,735
378	147.2	157	17,410
379	121.2	157.5	15,449
380	75.2	157	11,806
381	75.2	156.8	11,806
382	75.4	157.1	12,416
383	75.2	157	13,028
384	75.2	157	13,028
385	75.2	157	13,028
386	75.2	157	13,028
387	75.2	157	13,028
388	77.7	157	13,460
389	77.7	157	13,460
390	75.2	157	13,028
391	75.2	157	13,028
392	75.2	157	13,028
393	75.2	157	13,028
394	75	157	12,792
395	75.2	157	11,806
396	75.2	157	11,806
397	77.7	157	12,199
398	77.7	157	12,199
399	75.2	157	11,806
400	75.2	157	11,806
401	75.3	157	13,473
402	82.6	157	14,836
403	80.1	157	14,374
404	77.6	157	13,935
405	77.6	157	13,935
406	75.2	157	12,175
407	76.8	157	12,051
408	76.8	157	12,051
409	76.8	157	12,051
410	76.8	157	12,051
411	77.7	157	12,199
412	77.7	157	12,199
413	75.2	157	11,806
414	75.2	157	11,806
415	117.3	157	14,984
416	129.4	157	16,124
417	101.6	157	14,016



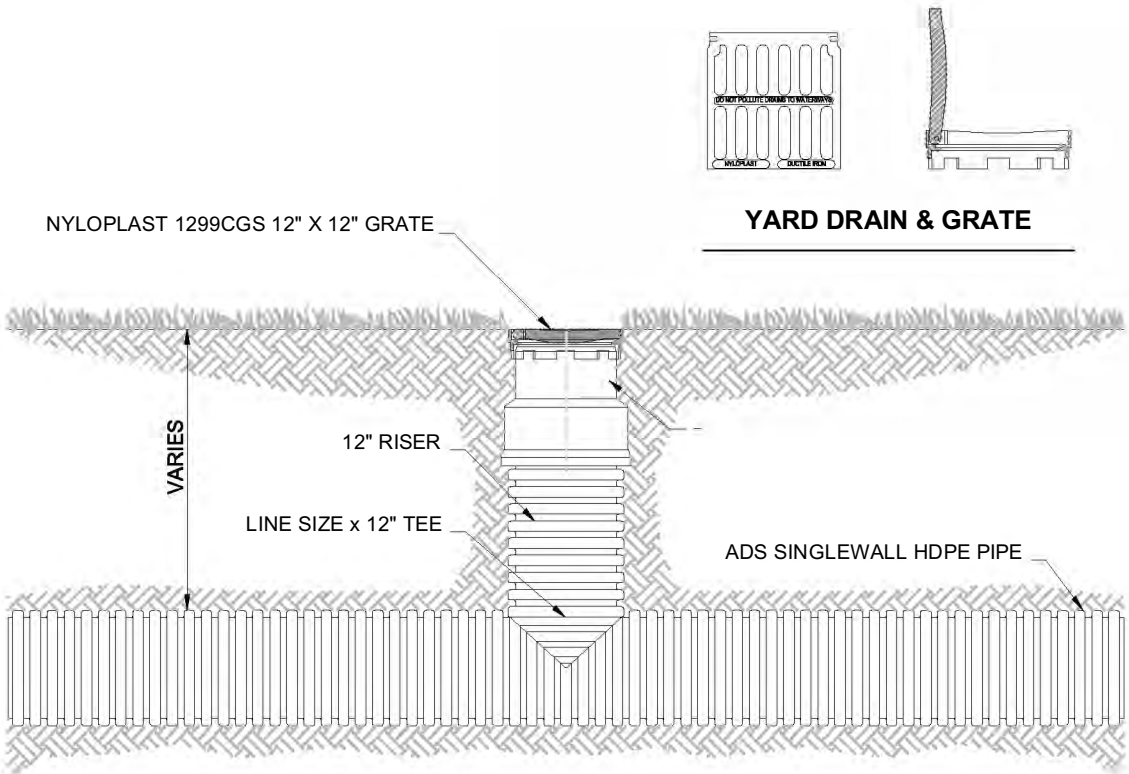
WATER MANAGEMENT LAKE TYPICAL LOT GRADING PLAN



RECREATIONAL LAKE TYPICAL LOT GRADING PLAN

NOTES

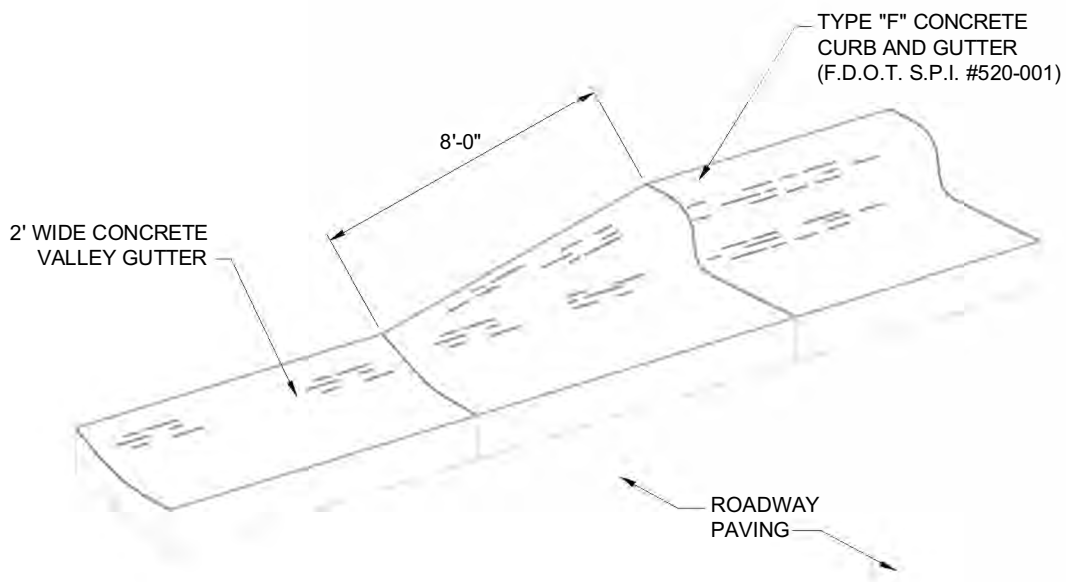
- SEE DETAILED SITE PLANS FOR DRAINAGE PIPE SIZES AND INVERTS.
- ALTERNATE PIPE MATERIALS MAY BE SUBMITTED TO ENGINEER FOR CONSIDERATION.
- INSTALL PIPE AND YARD DRAIN IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- CONTRACTOR MAY UTILIZE LARGER PIPE SIZES THAN THOSE SHOWN ON PLANS AT NO ADDITIONAL COMPENSATION.



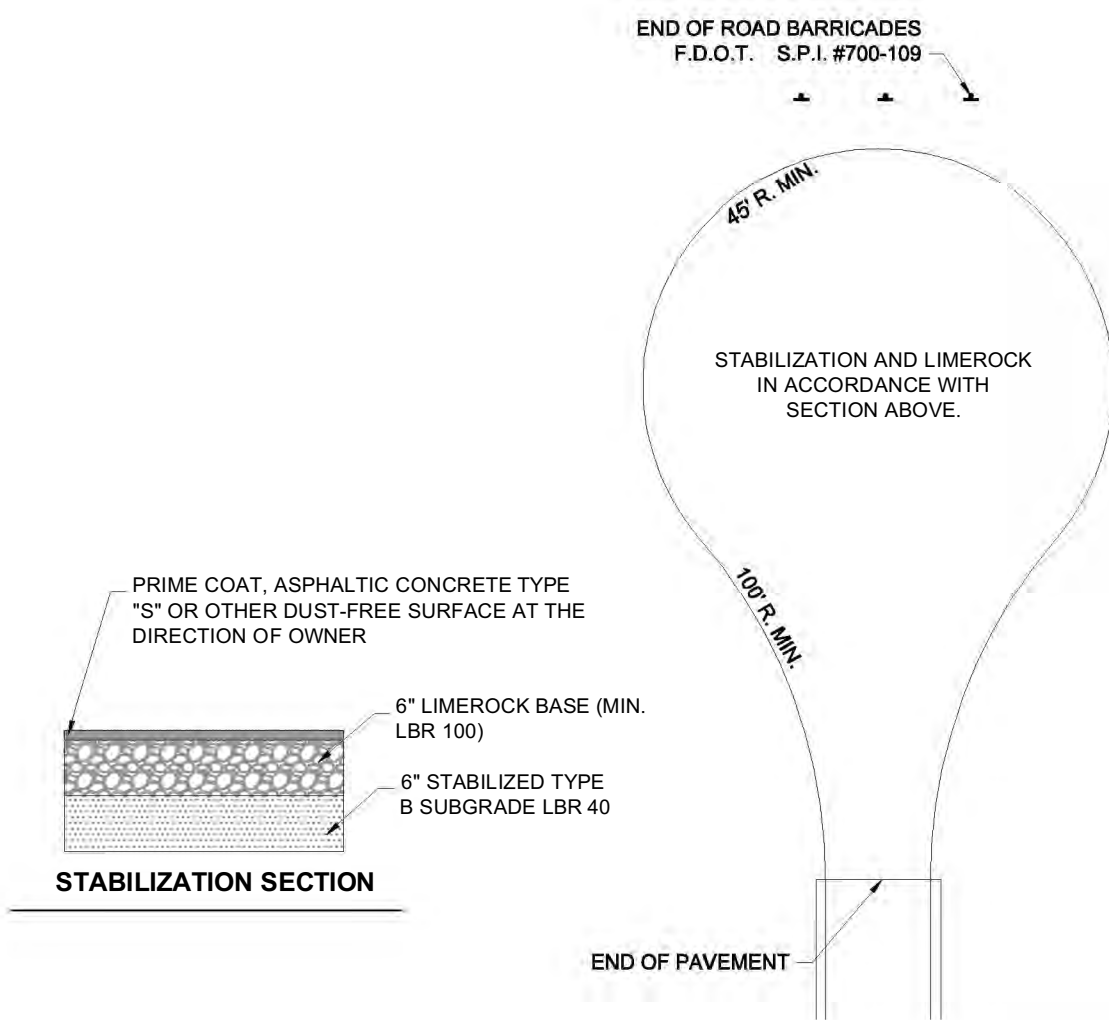
RESIDENTIAL YARD DRAIN

NOTES

- CURB TRANSITION TO BE PAID FOR AS TYPE "F" CURB AND GUTTER.
- CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 PSI. WITHIN 28 DAYS UNLESS NOTED OTHERWISE.
- SEE F.D.O.T. STANDARD PLANS INDEX #520-001 FOR ADDITIONAL DETAILS.



VALLEY GUTTER TO "F" CURB TRANSITION



TEMPORARY TURN AROUND

APPROVED
DOS2019-00120
Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020

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LAND PLANNING

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PHONE (239) 461-3170
FAX (239) 461-3169

FLORIDA CERTIFICATES OF AUTHORIZATION
ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR

LENNAR

LENNAR HOMES
10471 BEN C PRATT / 6 MILE
CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966

PHONE (239) 278-1177
FAX (239) 931-4749

PROJECT DESCRIPTION

WildBlue

LEE COUNTY, FLORIDA

ENGINEER OF RECORD

TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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FILE NAME: J23795A44.DWG

LOCATION: J:\23795\DWG\DO

PLOT DATE: TUE. 1-14-2020 - 9:43 AM

PLOT BY: SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS

PLAN REVISIONS

PLAN STATUS

APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

TYPICAL
CONSTRUCTION
DETAILS

PROJECT / FILE NO.

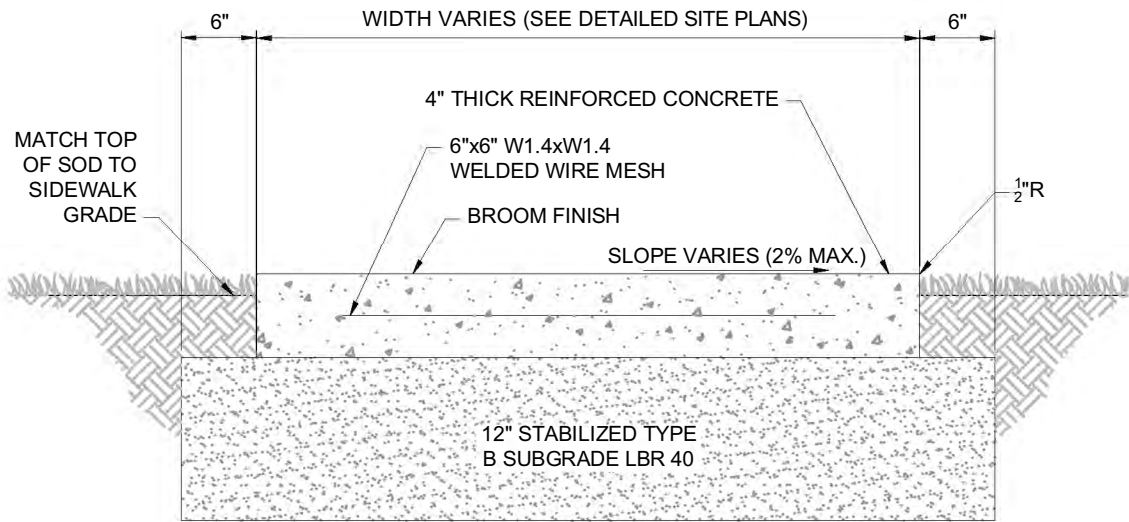
23795

SHEET NUMBER

17.0

NOTES

- PAVER BRICKS MAY BE UTILIZED IN PLACE OF CONCRETE SIDEWALK. SEE LANDSCAPE PLANS FOR PAVER BRICK LOCATIONS, THICKNESS, SIZE, COLOR, PATTERN, AND SPECIFICATIONS. PAVER BRICK SEALANT OR REPELLANT MAY BE USED AT THE OWNER'S DISCRETION.
- CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 PSI. AT 28 DAYS.
- SIDEWALK SHALL HAVE CONTRACTION JOINTS AT 5' INTERVALS AND AN EXPANSION JOINT EVERY 100'.
- MAXIMUM LONGITUDINAL SLOPE FOR DISABLED ACCESSIBLE SIDEWALK SHALL BE 1:20.
- TOP OF SOD TO BE FLUSH WITH SIDEWALK TO PROVIDE POSITIVE SLOPE TO PREVENT PONDING.
- FIBER REINFORCEMENT MAY BE SUBSTITUTED FOR WIRE MESH REINFORCEMENT AT THE DISCRETION OF THE OWNER.
- COST OF STABILIZED SUBGRADE FOR SIDEWALK TO BE INCLUDED IN UNIT COST FOR SIDEWALK.

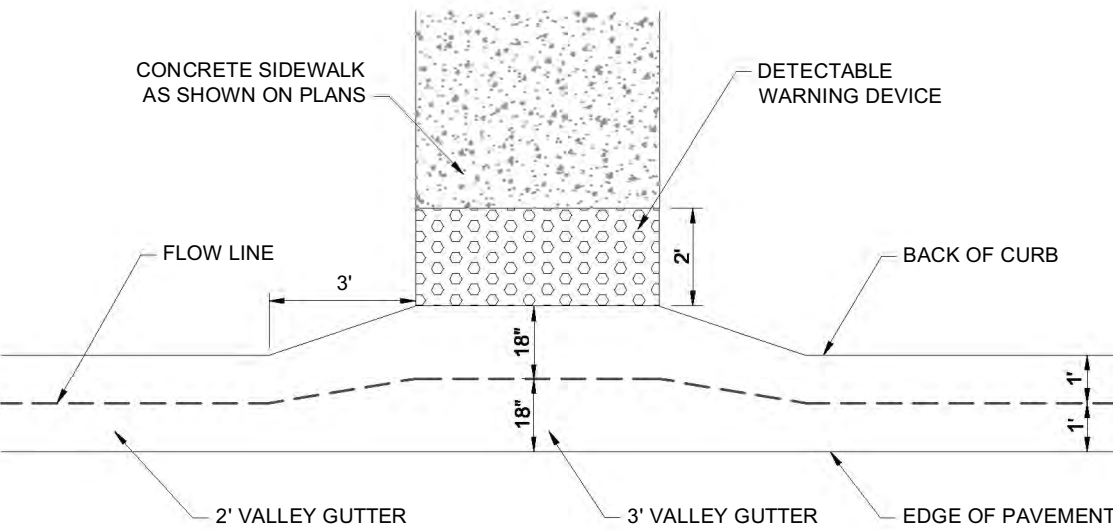


CONCRETE SIDEWALK

N.T.S.

NOTES

- SEE "CONCRETE CURB DETAILS" FOR VALLEY GUTTER SECTIONS.
- VALLEY GUTTER SLOPES SHALL NOT EXCEED 12:1 WHEN WITHIN LIMITS OF SIDEWALK CROSSING TO MEET ADA GUIDELINES.
- MAINTAIN CONSISTENT FLOW LINE THROUGH CROSSING TO PREVENT PONDING.

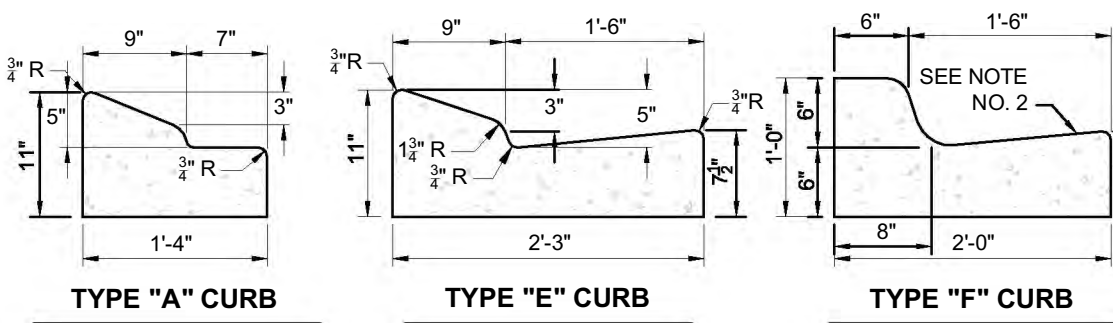
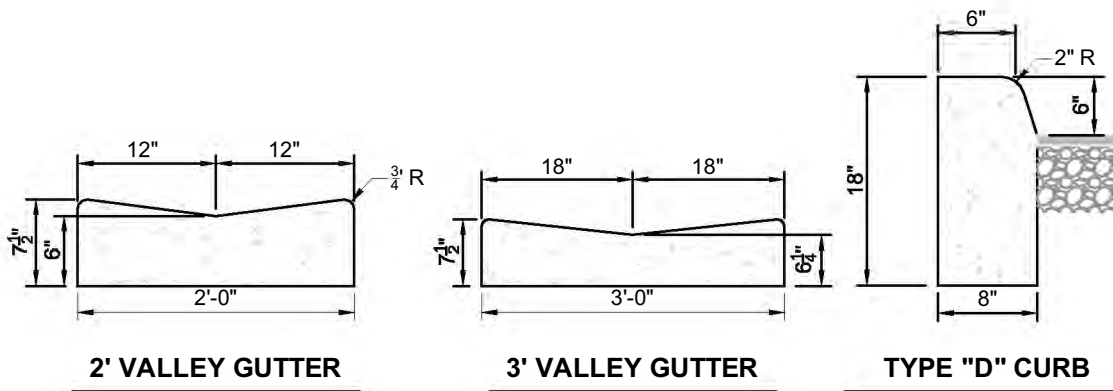


VALLEY GUTTER SIDEWALK CROSSING

N.T.S.

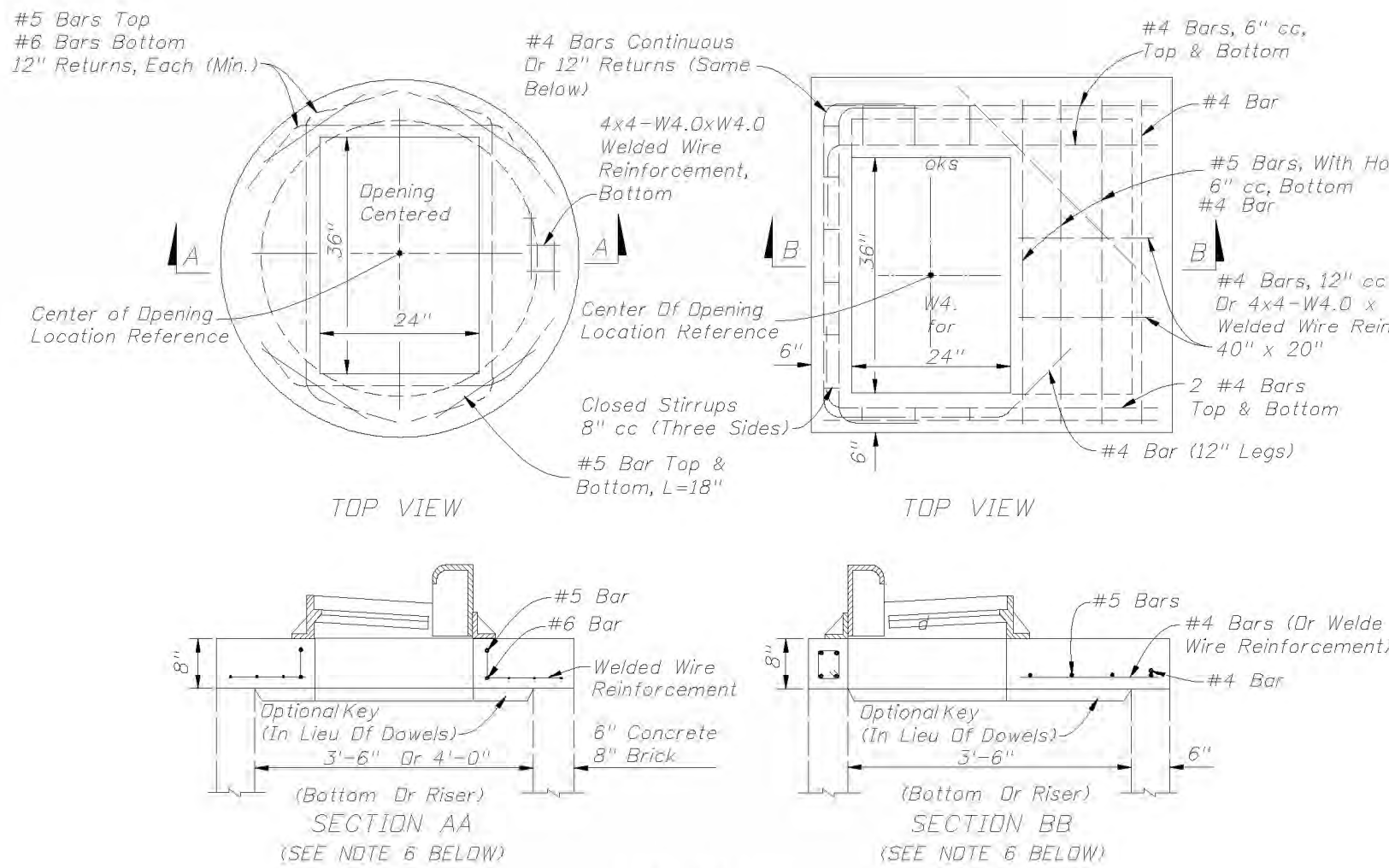
NOTES

- SEE F.D.O.T. STANDARD PLANS INDEX #520-001 FOR ADDITIONAL DETAILS.
- WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.
- CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 PSI. WITHIN 28 DAYS UNLESS NOTED OTHERWISE.



CONCRETE CURB

N.T.S.



TOP SLABS

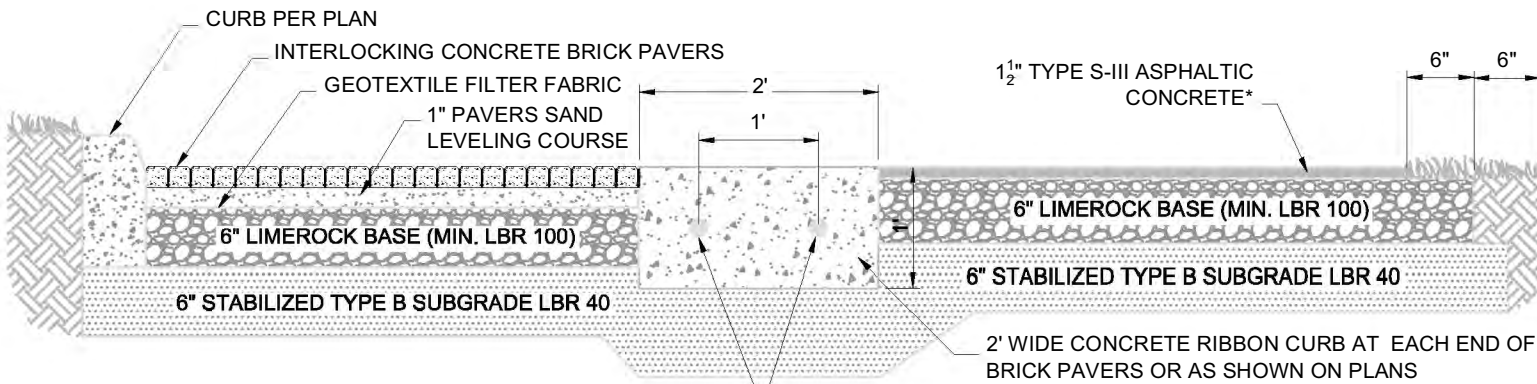
NOTE: FOR MORE INFORMATION SEE FOOT INDEX #214

TYPE 9 CURB INLET

N.T.S.

NOTES

- LIMEROCK BASE AND STABILIZED SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 98% OF MODIFIED PROCTOR (AASHTO T-180).
- 3" OF LIMEROCK BASE MATERIAL MAY SUBSTITUTED AS AN ALTERNATIVE DESIGN TO THE 6" STABILIZED SUBGRADE.
- OPTIONAL BRICK PAVER SURFACE MAY BE UTILIZED FOR ALL OR PART OF THE ROADWAY OR PARKING SURFACES.
- REFERENCE LANDSCAPE PLANS FOR PAVER BRICK LOCATIONS, THICKNESS, SIZE, COLOR, PATTERN, AND SPECIFICATIONS. SEALANT MAY BE UTILIZED AT THE DISCRETION OF OWNER.
- CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 PSI. WITHIN 28 DAYS UNLESS NOTED OTHERWISE.



STRUCTURAL EQUIVALENCY CALCULATIONS:

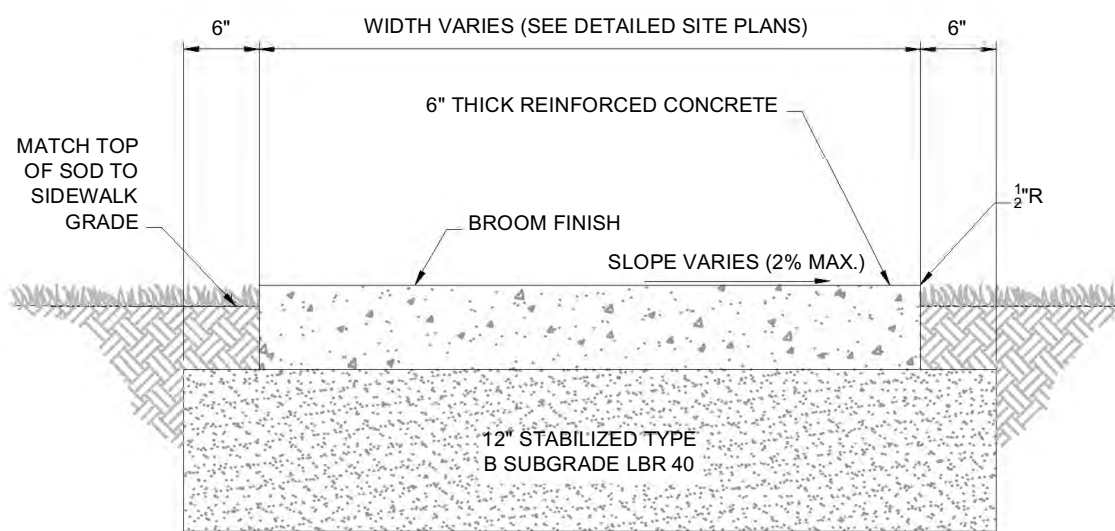
STANDARD PAVEMENT SECTION	LAYER COEFFICIENT	THICKNESS	SUBTOTAL
TYPE S-III ASPHALT PAVEMENT	0.30 / INCH	1-1/2"	0.45
LIMEROCK BASE (LBR 100)	0.18 / INCH	6"	1.08
STABILIZED SUBGRADE (LBR 40)	0.08 / INCH	6"	0.48
TOTAL			2.01

PAVER BRICK SECTION	LAYER COEFFICIENT	THICKNESS	SUBTOTAL
ECONOCRETE (1100 PSI)*	0.25 / INCH	2"	0.50
LIMEROCK BASE	0.18 / INCH	6"	1.08
STABILIZED SUBGRADE (LBR 40)	0.08 / INCH	6"	0.48
TOTAL			2.06

*PAVER BRICKS ARE 8,000 PSI. ECONOCRETE USED FOR COMPARISON ONLY.

TYPICAL PAVEMENT SECTION

N.T.S.



6" PLAIN CONCRETE DETAIL

N.T.S.

APPROVED
DOS2019-00120
Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020

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LAND PLANNING

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FORT MYERS, FLORIDA 33902-2800
PHONE (239) 461-3170
FAX (239) 461-3169

FLORIDA CERTIFICATES OF AUTHORIZATION
ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR

LENNAR

LENNAR HOMES
10471 BEN C PRATT / 6 MILE
CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966

PHONE (239) 278-1177
FAX (239) 931-4749

PROJECT DESCRIPTION

WildBlue

LEE COUNTY, FLORIDA

ENGINEER OF RECORD

TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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FILE NAME | 23795A44.DWG

LOCATION | J:\23795\DWG\DO

PLOT DATE | TUE. 1-14-2020 - 9:43 AM

PLOT BY | SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS

PLAN REVISIONS

PLAN STATUS

APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

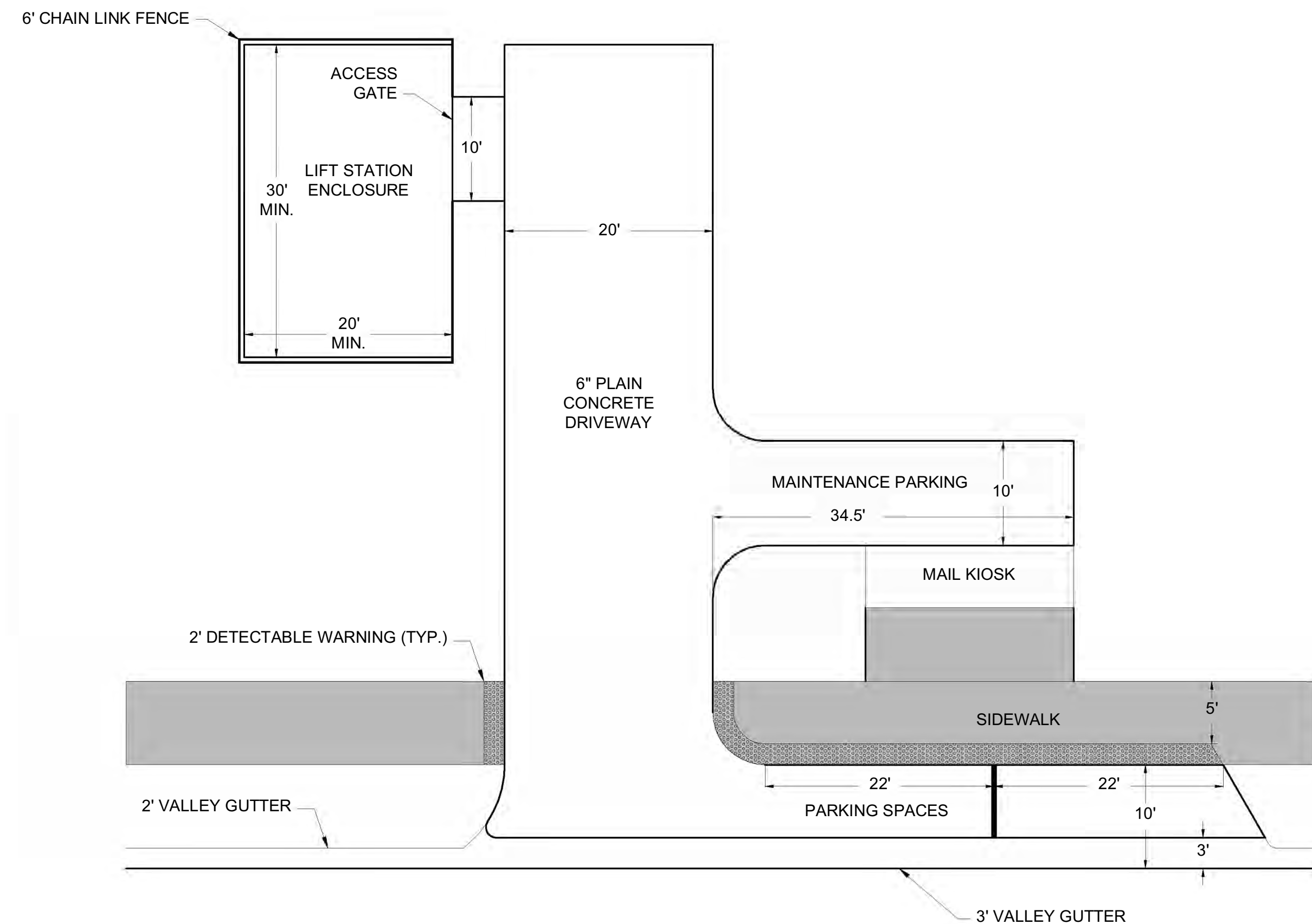
TYPICAL
CONSTRUCTION
DETAILS

PROJECT / FILE NO.

23795

SHEET NUMBER

17.1



LIFT STATION / MAIL KIOSK FACILITY

N.T.S.



San Carlos Park Fire District
FIRE PREVENTION DIVISION
Station # 53
1959 I Eer H.I. Griffin Pkwy.
Fort Myers FL 33913

www.sancarlosfire.org

(239) 267-7525
fax (239) 267-7505

FIRE FLOW TEST RECEIPT

Hycrant #:	Wildblue Blvd.
Static Pressure:	64 psi before flowing
Residual Pressure:	50 psi while flowing
Pitot Pressure:	45 psi pitot gage reading

Measured Fire Flow @ 20' FSI Residual: **2,068**

Formula: $Q = (29.83)(C)(d^2)(p^{0.5})$				Formula: $AFF = Q / ((S-20)^{0.54} / ((S-R)^{0.54}))$			
Q (total gallons flowing)	Coefficient C = .9	diameter (d) of outlet in inches	Number of outlets flowing	Pitot (p)	Available Fire Flow (AFF)	Total Gallons Flowing	Residual (R)
1,126	29.83	0.9	2.5	1	45	2,089	1,126
1,126	29.83	0.9	2.5	1	45	2,068	57

Design Static Pressure:	57 psi before flowing
Design Residual Pressure:	45 psi while flowing
Design Pitot Pressure:	45 psi pitot gage reading

Extrapolated GFM Fire Flow @ 20' FSI Residual: **2,068**

Note:
Design Static Pressure = Measured Static Pressure less 10% rounded down
Design Residual Pressure = Measured Residual Pressure less 10% rounded down

The Extrapolated GFM Fire Flow Must Be Used For Water Supply Determination.

Date Received:

Payment Issued By:

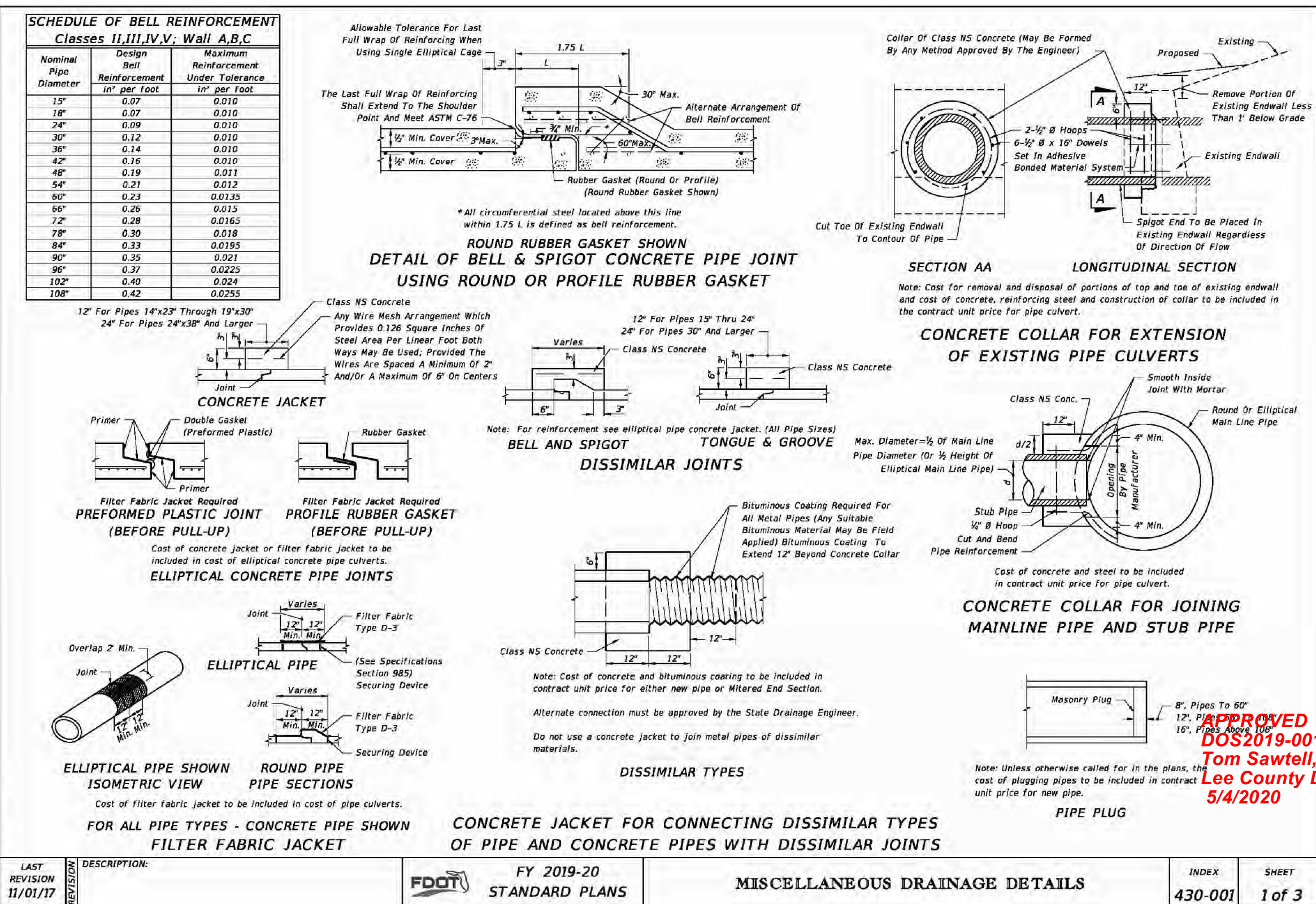
Comments: Flow test performed 04/29/2019

Payment Received By:

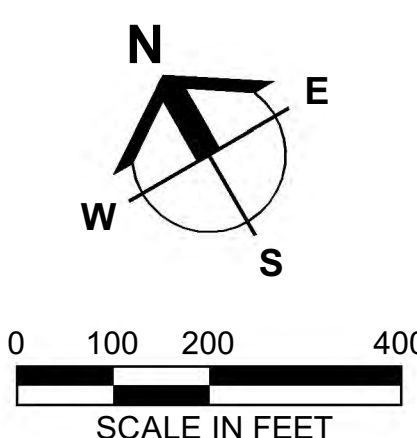
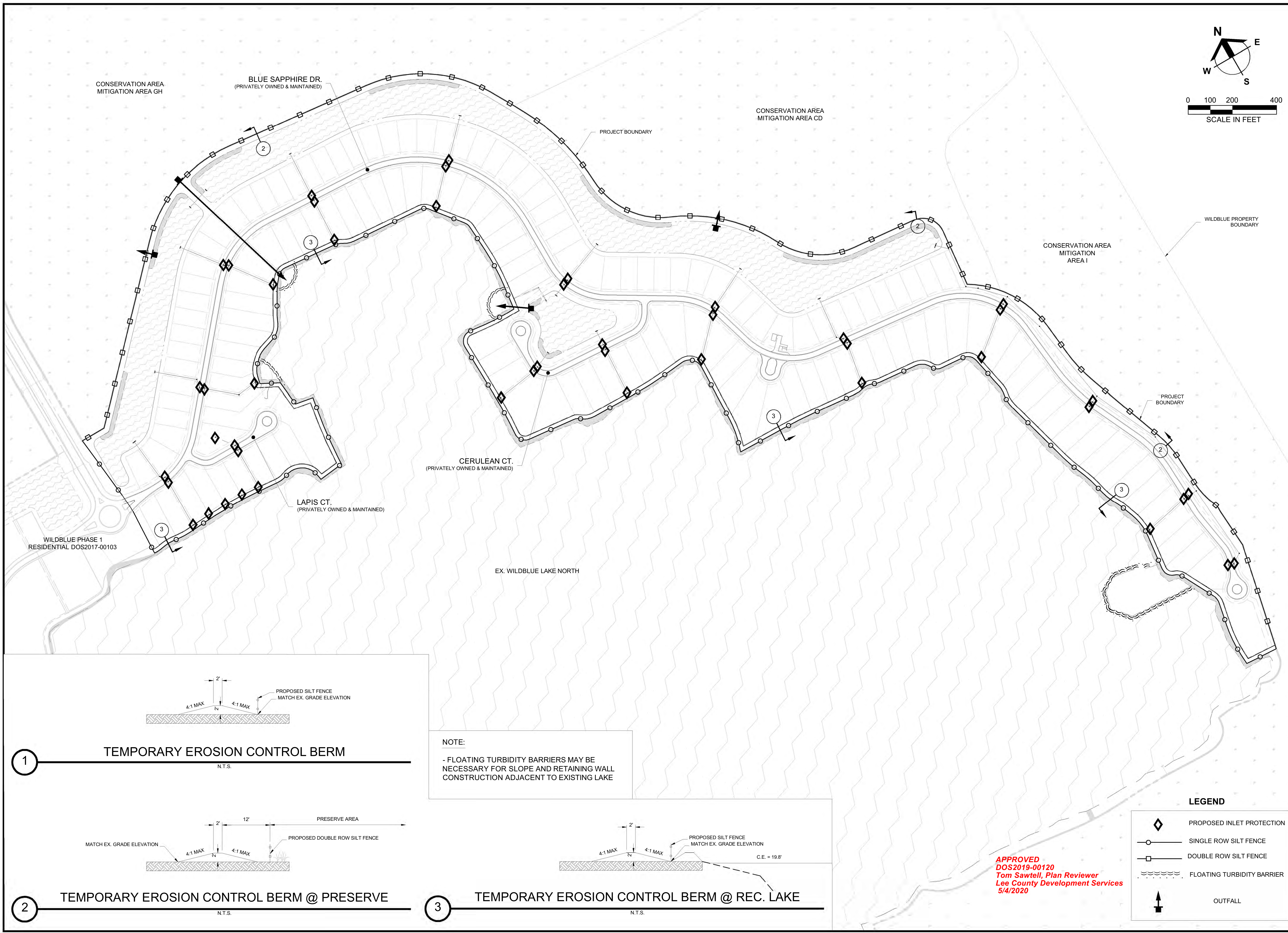
Amount of Payment:

Cash / Check #:

Steve Lemmon / Fire Marshal
Fire Official's Signature



APPROVED
DOCS 2019-00120
Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020



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PHONE (239) 461-3170
FAX (239) 461-3169
FLORIDA CERTIFICATES OF AUTHORIZATION
ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR
LENNAR
LENNAR HOMES
10471 BEN C PRATT / 6 MILE
CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966
PHONE (239) 278-1177
FAX (239) 931-4749

PROJECT DESCRIPTION
WildBlue
LEE COUNTY, FLORIDA

ENGINEER OF RECORD
TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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LOCATION = J:\23795\DWG\DO
PLOT DATE = TUE, 1-14-2020 - 9:59 AM
PLOT BY = SCOTT WHEELER JR
CROSS REFERENCED DRAWINGS
BASEPLAN = 23795A00.DWG
SURVEY = 23372S00.DWG

PLAN REVISIONS	

PLAN STATUS
APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

**STORMWATER
POLLUTION
PREVENTION PLAN**

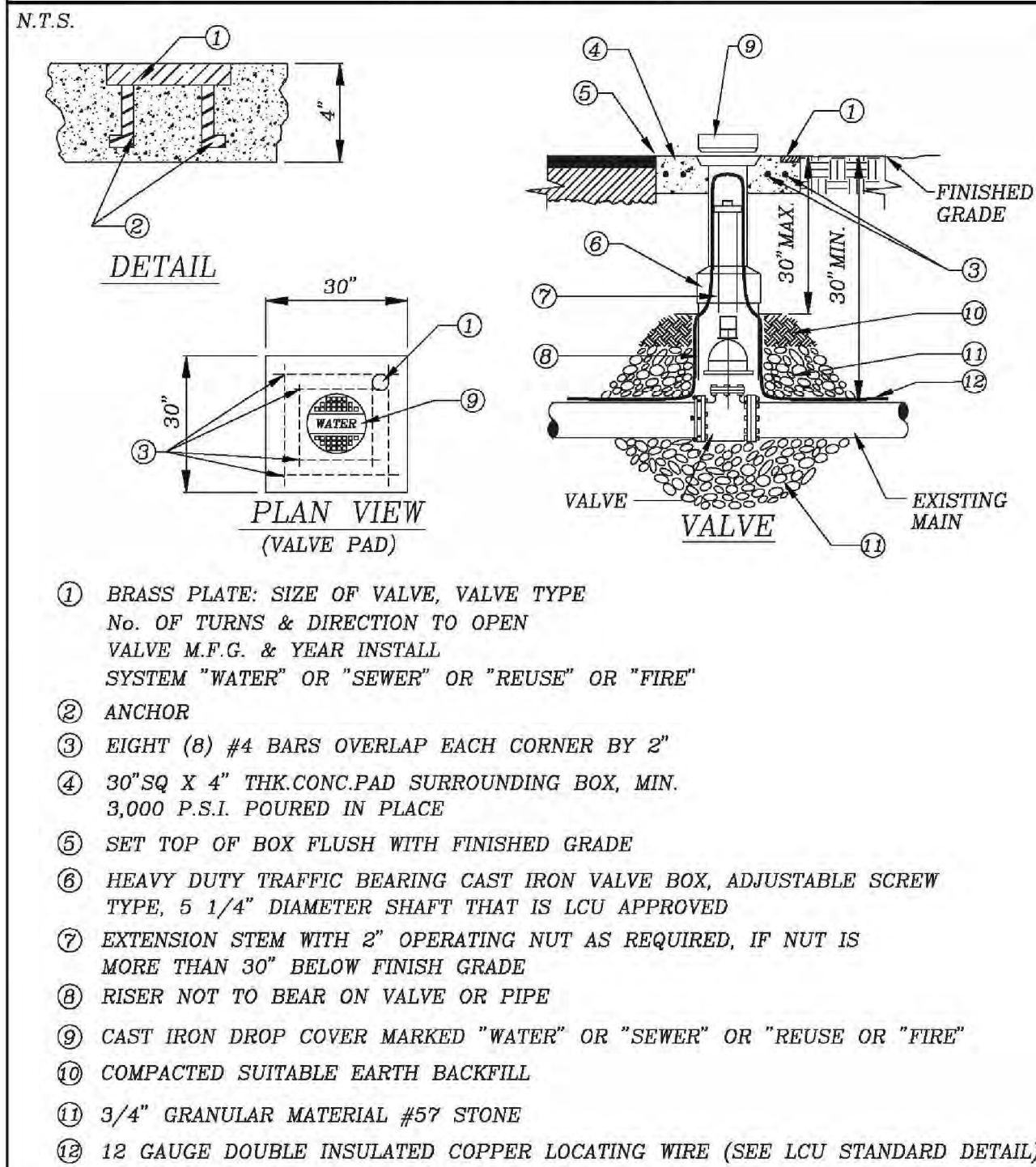
PROJECT / FILE NO.	SHEET NUMBER
23795	19.0

APPROVED
DOS2019-00120
Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020

LEGEND

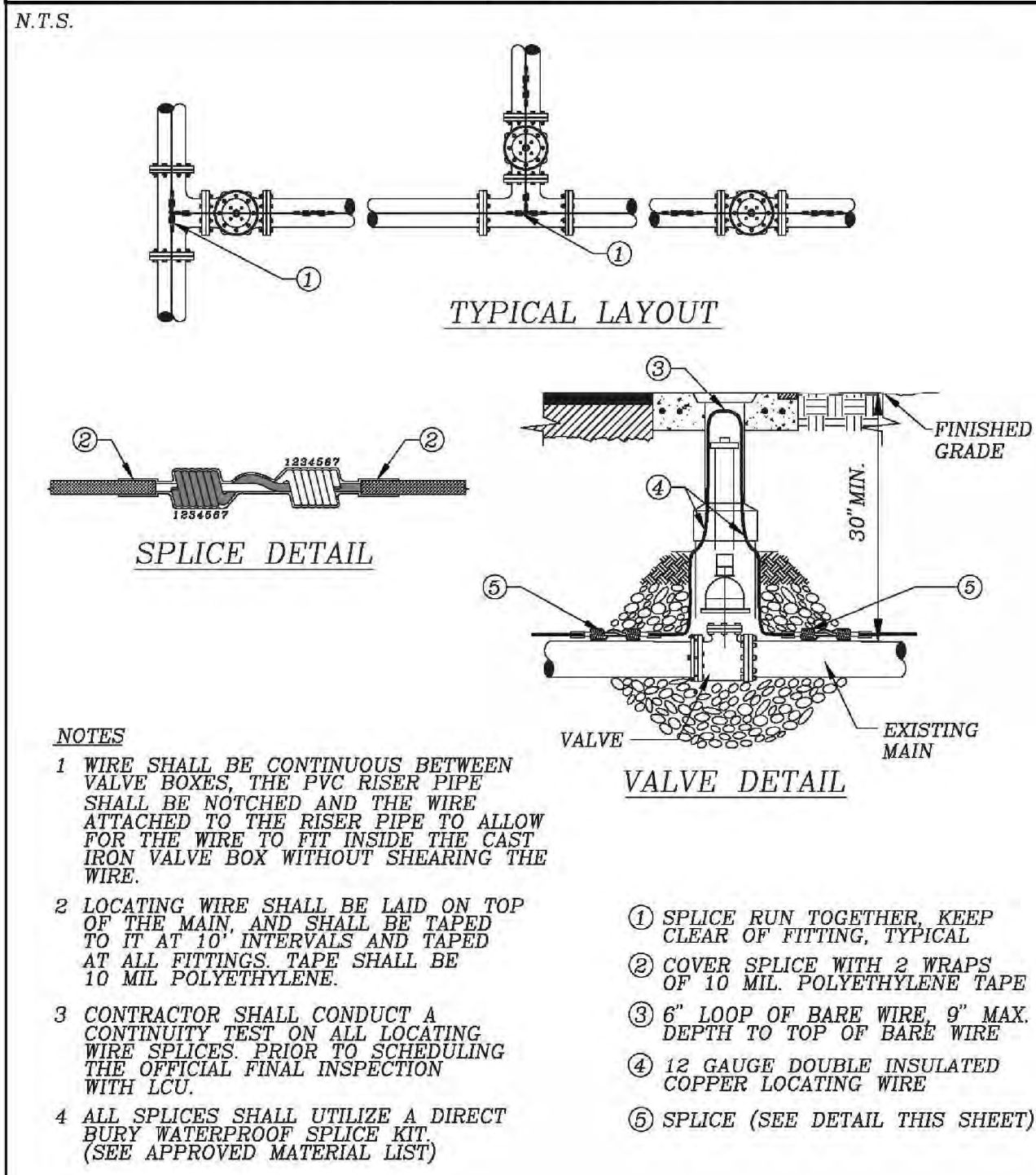
- PROPOSED INLET PROTECTION
- SINGLE ROW SILT FENCE
- DOUBLE ROW SILT FENCE
- FLOATING TURBIDITY BARRIER
- OUTFALL

STANDARD DETAIL NO. 6.2
LEE COUNTY UTILITIES
VALVE INSTALLATION



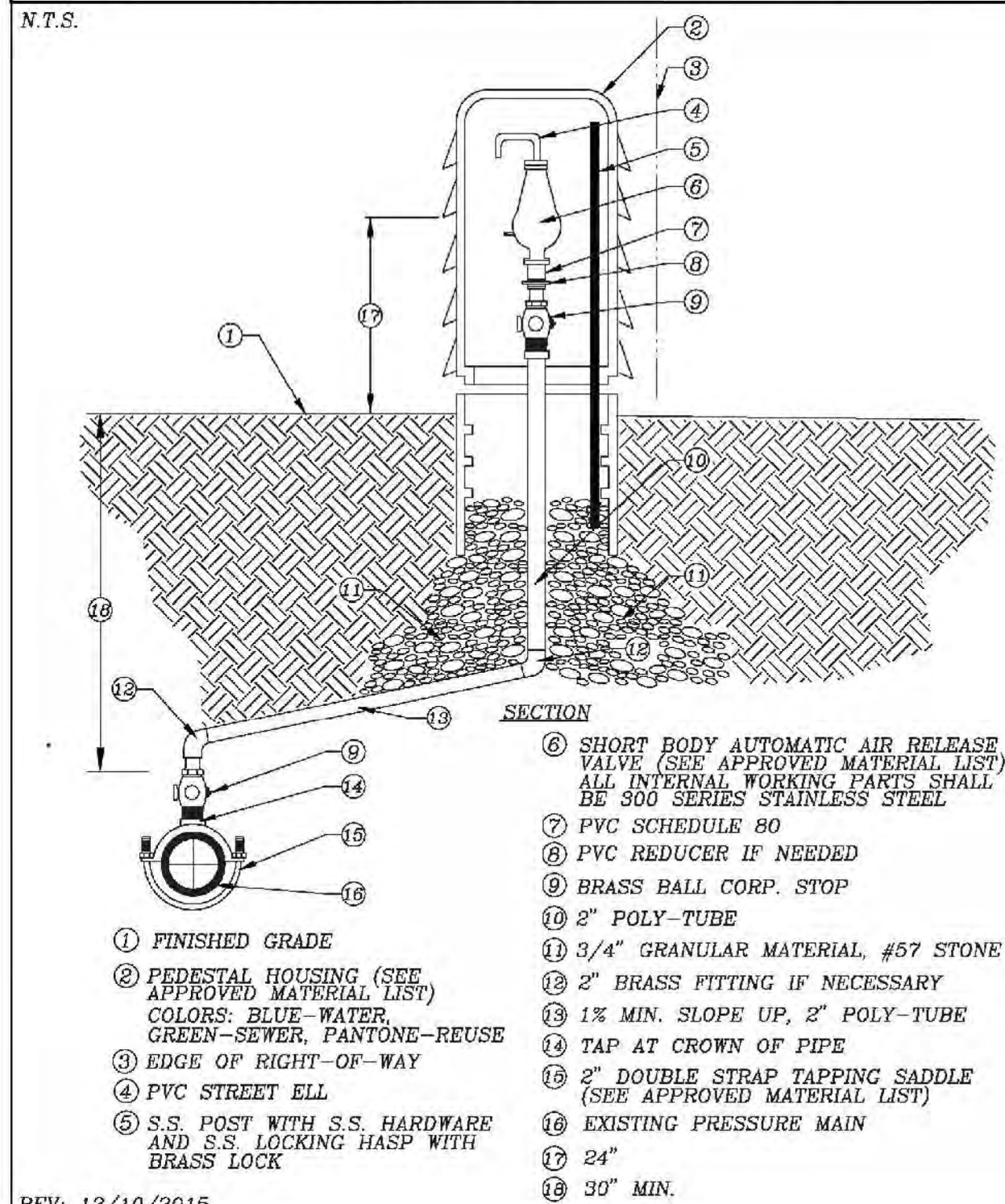
REV: 12/10/2015

STANDARD DETAIL NO. 6.3
LEE COUNTY UTILITIES
LOCATING WIRE FOR PRESSURE MAINS



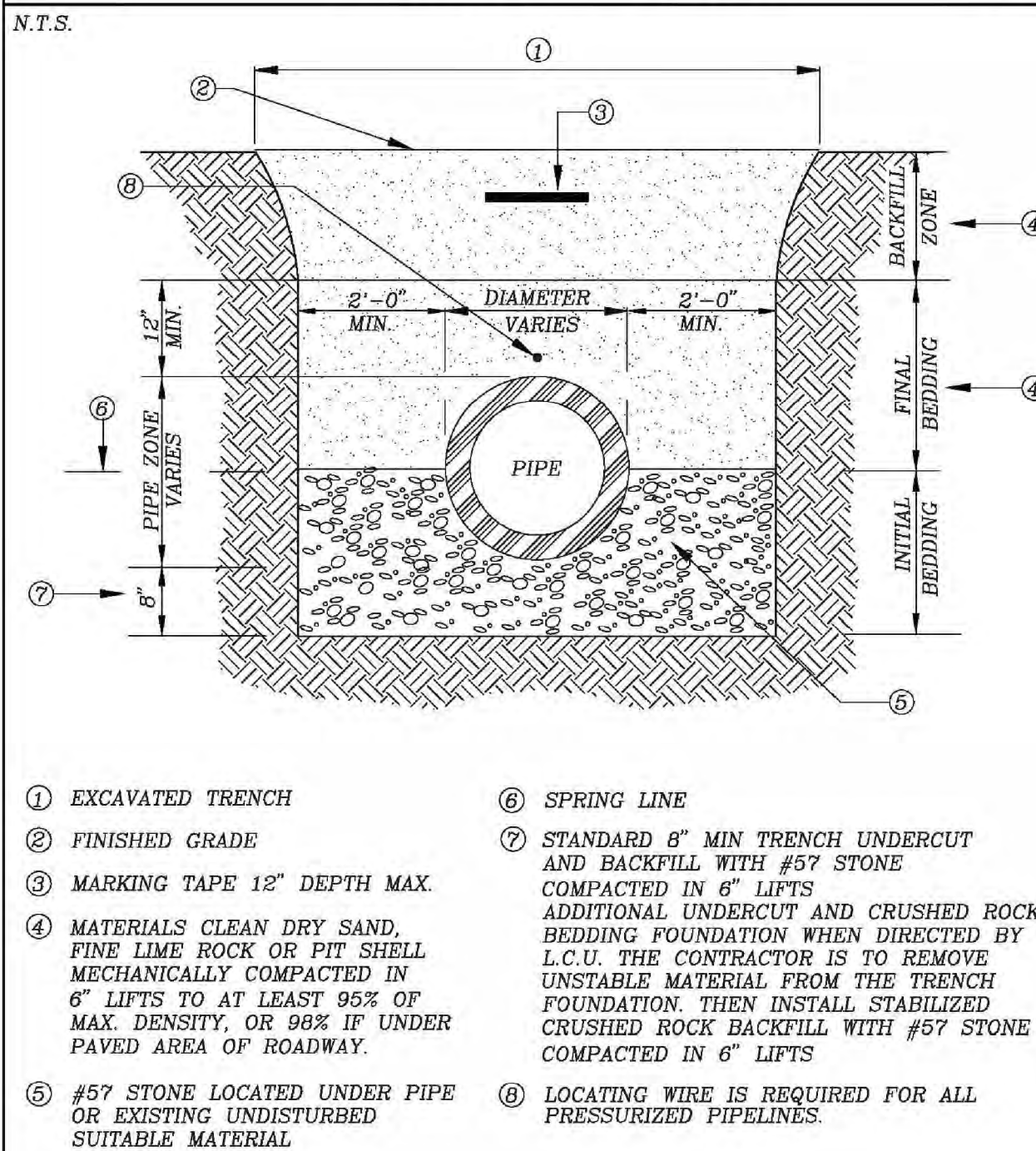
REV: 12/10/2015

STANDARD DETAIL NO. 6.4
LEE COUNTY UTILITIES
AUTOMATIC AIR RELEASE VALVE



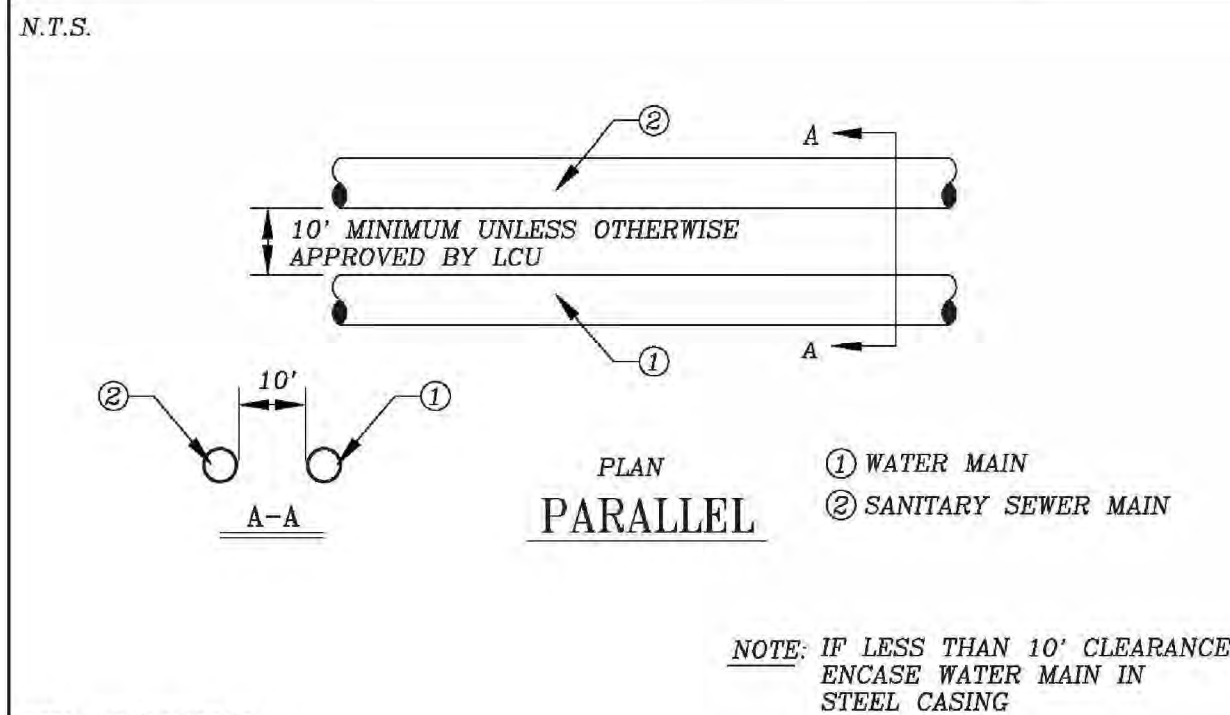
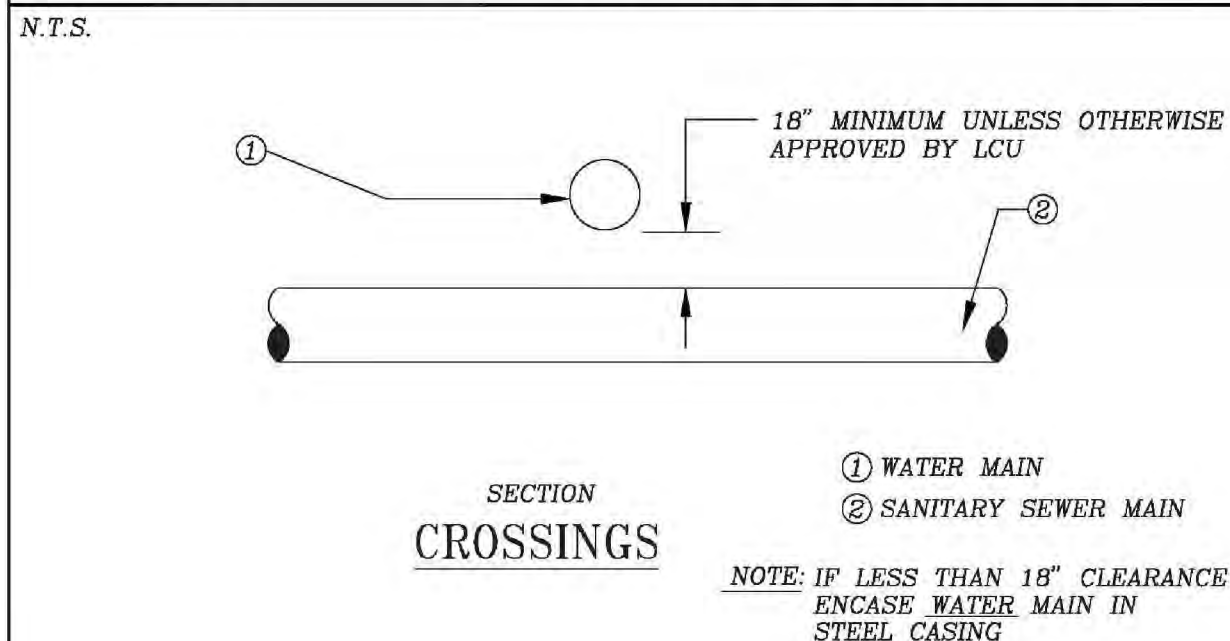
REV: 12/10/2015

STANDARD DETAIL NO. 6.5
LEE COUNTY UTILITIES
TRENCH CROSS SECTION



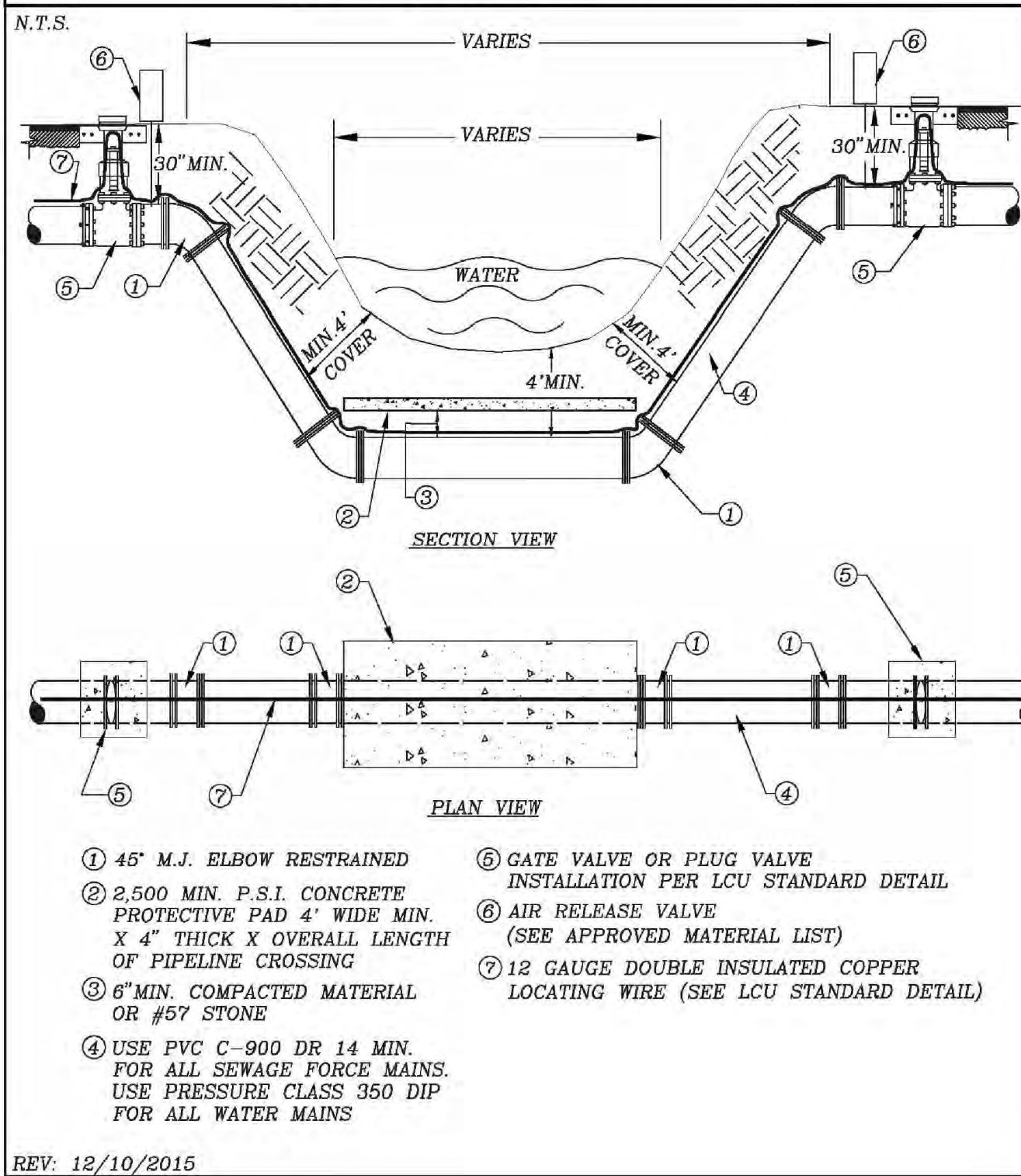
REV: 12/10/2015

STANDARD DETAIL NO. 6.8
LEE COUNTY UTILITIES
WATER AND SEWER CROSSING DETAIL



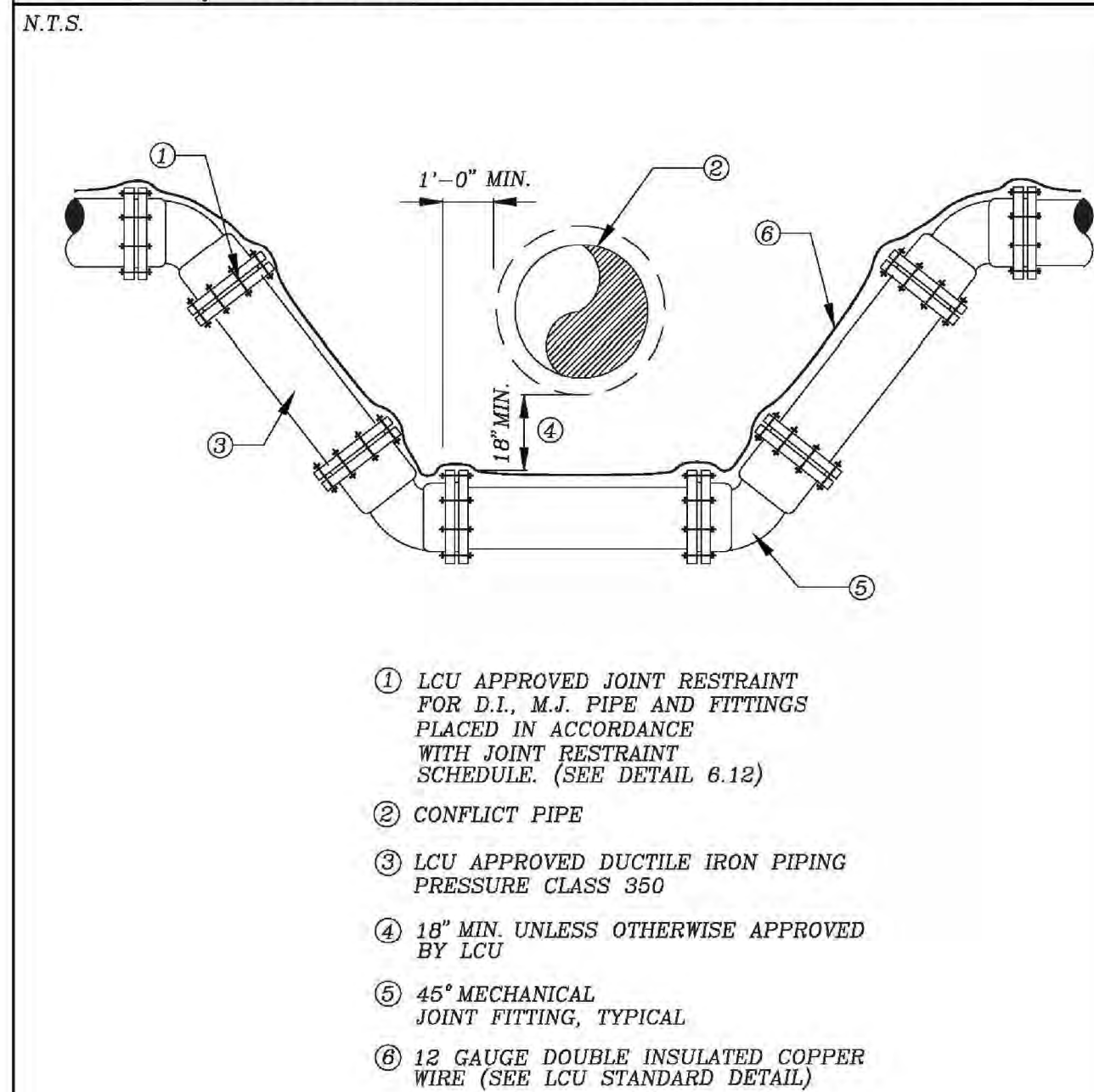
REV: 12/10/2015

STANDARD DETAIL NO. 6.9
LEE COUNTY UTILITIES
SUBAQUEOUS CROSSING



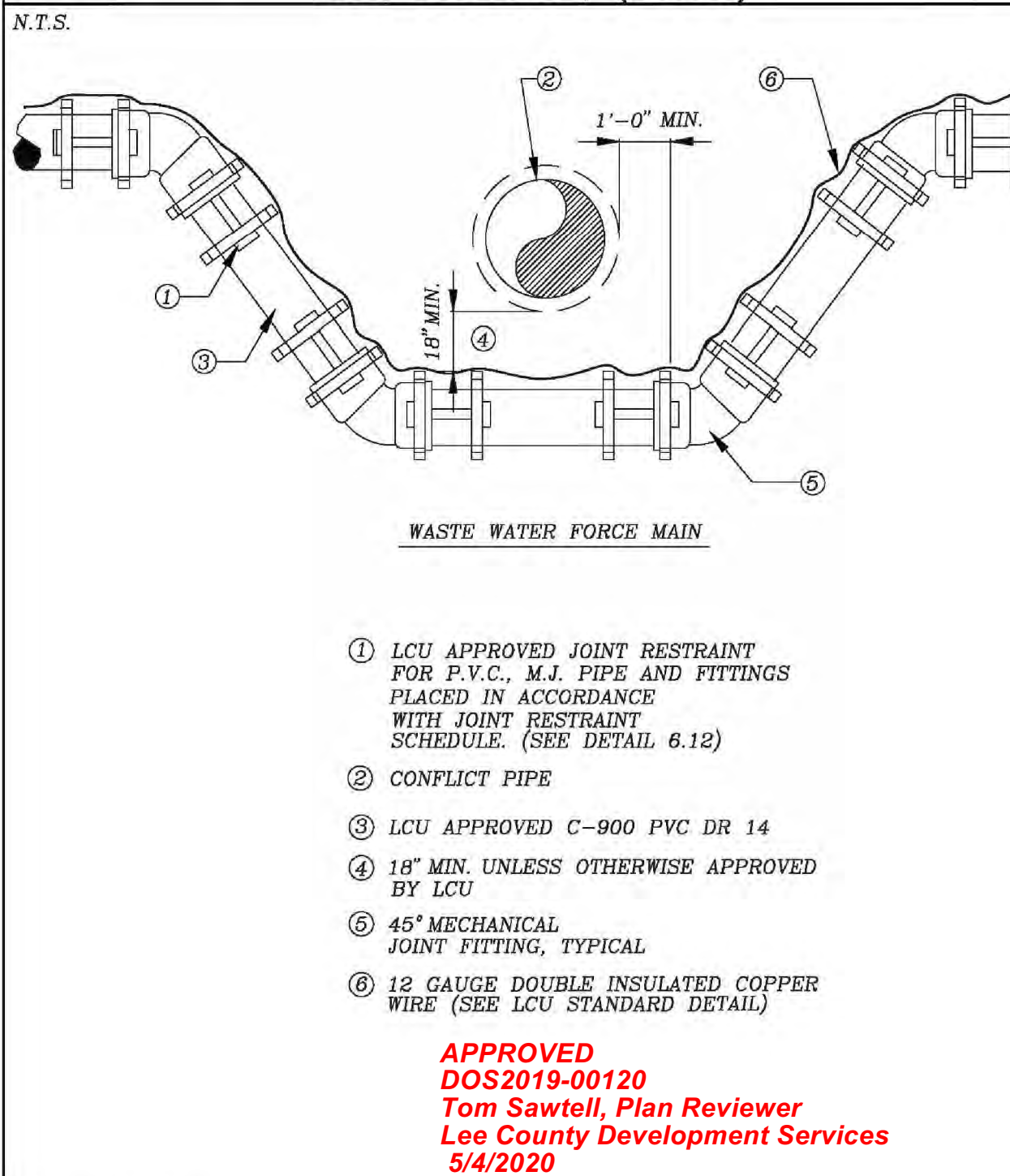
REV: 12/10/2015

STANDARD DETAIL NO. 6.10
LEE COUNTY UTILITIES
WATER PRESSURE LINE VERTICAL OFFSET
W/ DUCTILE IRON MJ FITTINGS & PIPE



REV: 12/10/2015

STANDARD DETAIL NO. 6.11
LEE COUNTY UTILITIES
WASTE WATER FORCE MAIN VERTICAL OFFSET
WITH FITTINGS, (P.V.C.)



REV: 12/10/2015

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PREPARED FOR

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TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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FILE NAME: J23795A70.DWG

LOCATION: J:\23795\DWG\DO

PLOT DATE: TUE. 1-14-2020 - 9:46 AM

PLOT BY: SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS

PLAN REVISIONS

PLAN STATUS

APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

UTILITY
DETAILS

PROJECT / FILE NO.

23795

SHEET NUMBER

20.0

STANDARD DETAIL NO. 6.12
LEE COUNTY UTILITIES
RESTRAINED LENGTH SCHEDULE

N.T.S.

PIPE SIZE (Inches)	DUCTILE IRON PIPE MINIMUM RESTRAINED PIPE LENGTH (FEET)					
	HORIZONTAL BENDS				DEAD END	HORIZONTAL TEE
	90°	45°	22-1/2°	11-1/4°		
4	17	7	4	2	29	6
6	23	10	5	2	40	17
8	29	12	6	3	53	29
10	35	14	7	4	63	38
12	41	17	8	4	74	49
16	51	21	11	5	94	68
24	69	29	14	7	131	105
30	81	34	17	8	156	129

PIPE SIZE (Inches)	PVC PIPE MINIMUM RESTRAINED PIPE LENGTH (FEET)					
	HORIZONTAL BENDS				DEAD END	HORIZONTAL TEE
	90°	45°	22-1/2°	11-1/4°		
4	20	8	4	2	45	8
6	29	12	6	3	63	25
8	36	15	8	4	83	43
10	44	18	9	5	99	58
12	51	21	11	5	116	74
16	63	26	13	7	149	103
24	87	38	18	9	206	158
30	102	42	21	10	248	194

A COMPLETE JOINT RESTRAINING SCHEDULE FOR ALL ENCOUNTERED VERTICAL & HORIZONTAL BENDS, VERTICAL OFFSETS, TEES, AND DEAD ENDS SHALL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER.

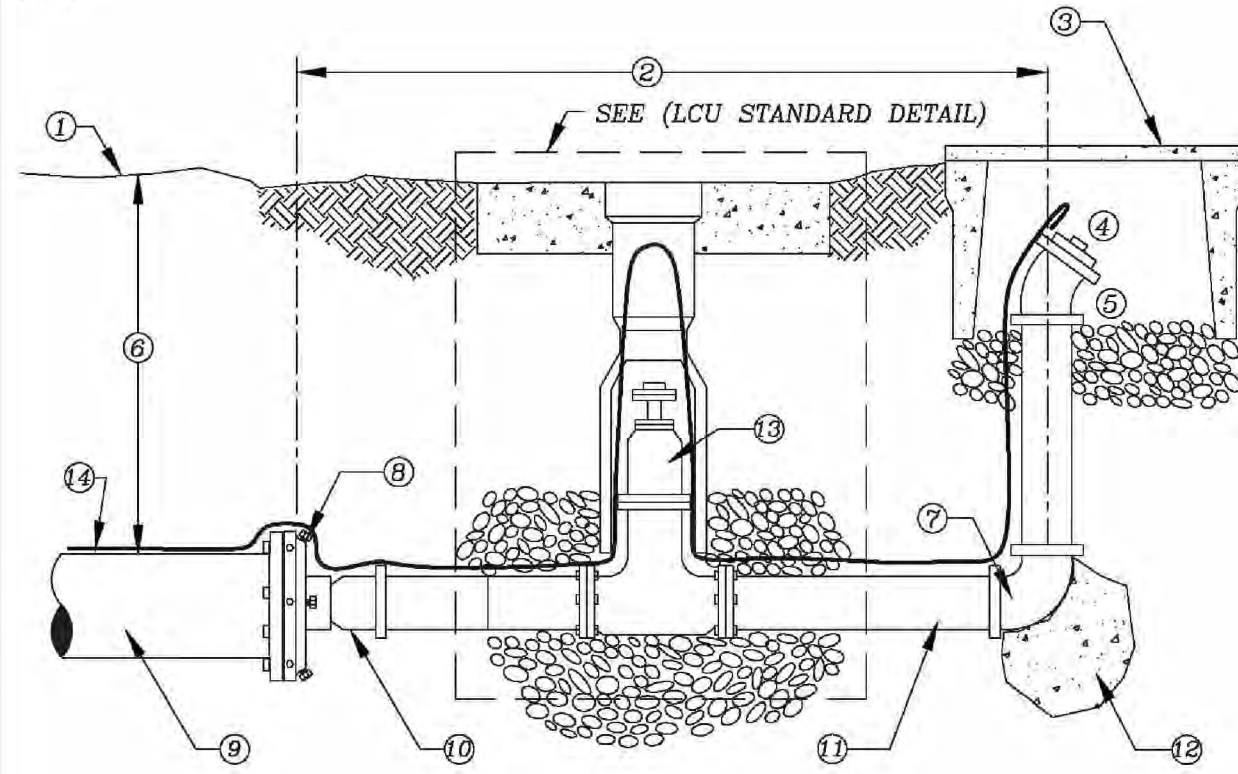
LENGTH FIGURES BASED ON FOLLOWING:

Pressure = 150 psi, FS = 1.5, trench type = 3, 30" cover on Bare pipe, Soil type = GP & SP

REV: 12/10/2015

STANDARD DETAIL NO. 6.14
LEE COUNTY UTILITIES
BLOW OFF DETAIL

N.T.S.



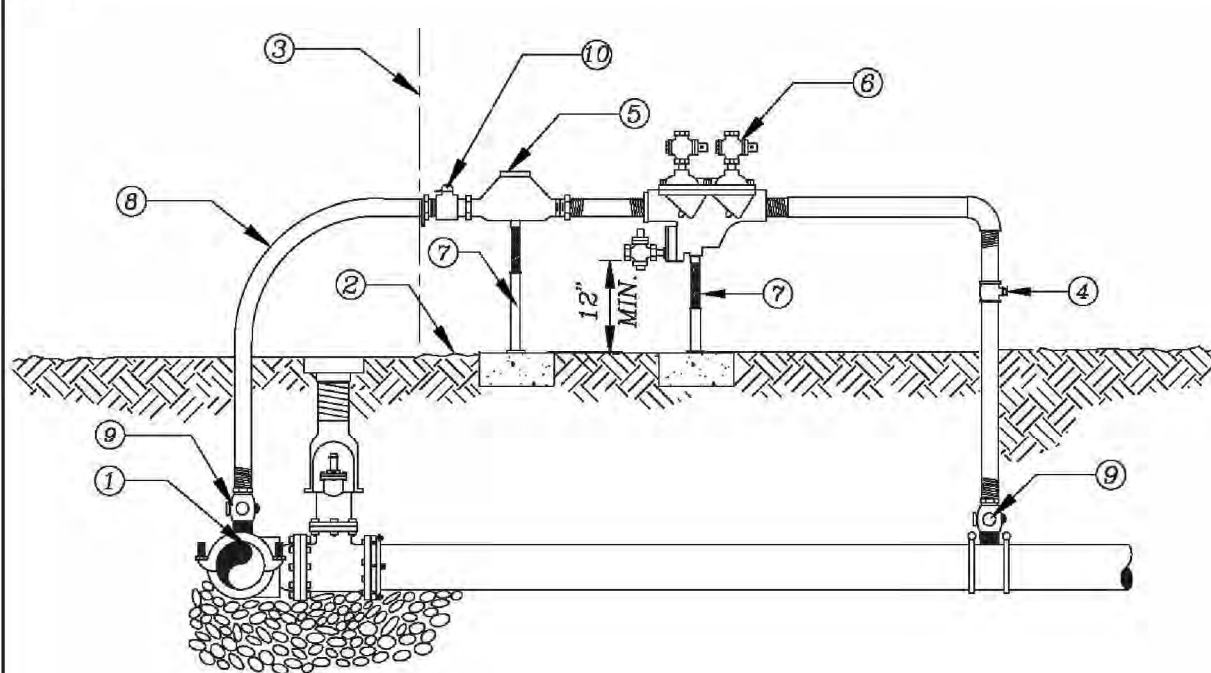
- 1 FINISHED GRADE
- 2 5'-0" MAX
- 3 WATER METER BOX W/GRAVEL BOTTOM (SEE APPROVED MATERIAL LIST)
- 4 2" THREADED PLUG
- 5 2'-45° BEND
- 6 30" MIN.
- 7 2'-90° BEND
- 8 M.I. CAP WITH 2" TAP
- 9 END OF WATER MAIN, R.J. PER SCHEDULE
- 10 2" THREADED
- 11 2" P.V.C.(SCH 80) C. MALE ADAPTER
- 12 POURED IN PLACE THRUST BLOCKING (SEE DETAIL 9.20)
- 13 2" DIAMETER GATE VALVE
- 14 12 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (SEE LCU STANDARD DETAIL)

NOTE:
ALL PIPING TO BE 2" P.V.C. (SCH 80) THREADED FITTINGS OR SOLVENT WELDED FITTINGS

REV: 12/10/2015

STANDARD DETAIL NO. 6.15
LEE COUNTY UTILITIES
TEMPORARY CONSTRUCTION JUMPER WITH METER

N.T.S.

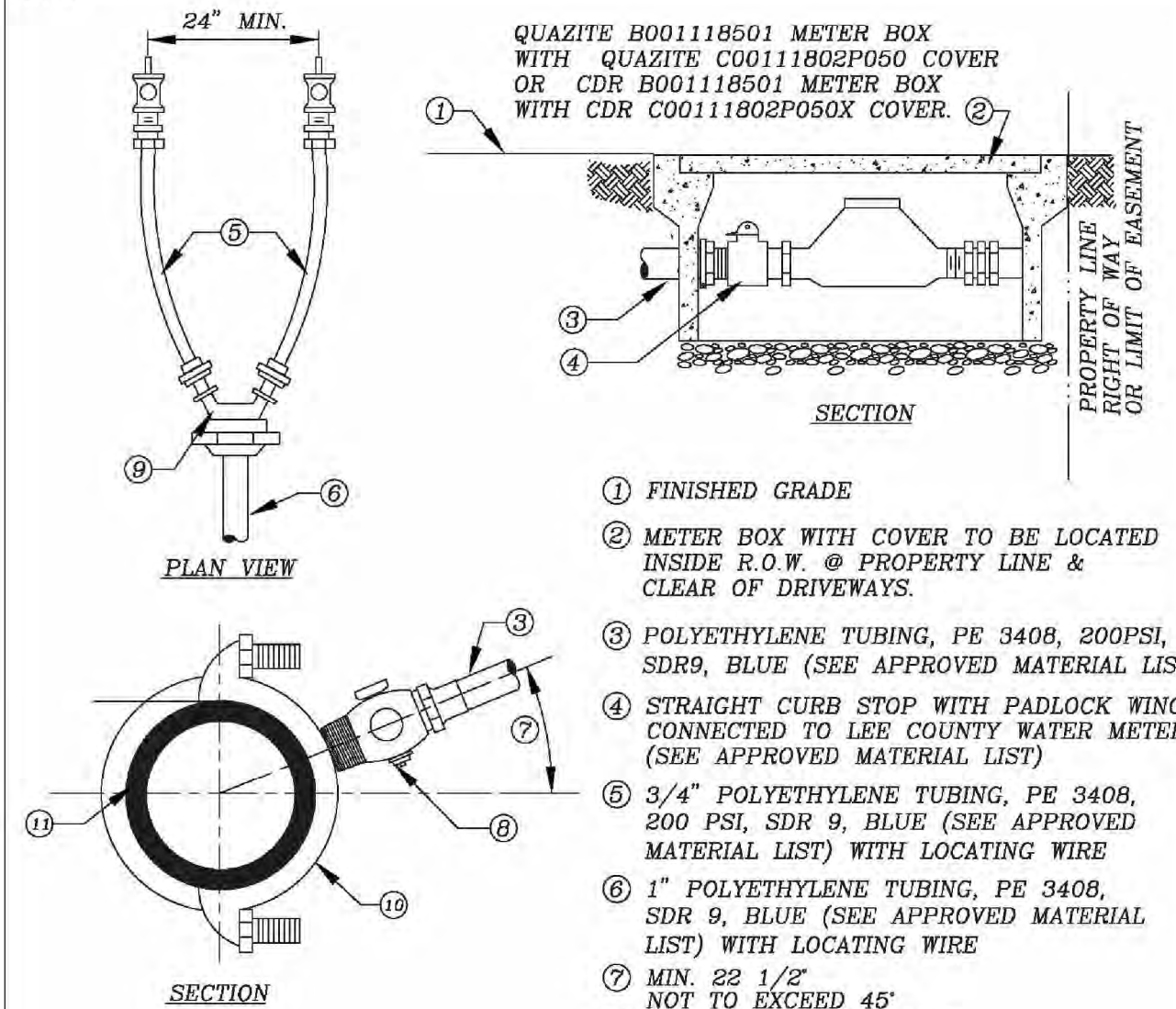


- NOTES:
CONTRACTOR/CUSTOMER SHALL APPLY AT LEE COUNTY UTILITIES FOR TEMPORARY WATER SERVICE FIVE DAYS PRIOR TO REQUIRED SERVICE DATE. THE METER ONLY WILL BE FURNISHED BY LEE COUNTY UTILITIES. ALL FITTINGS, PIPING, VALVES AND MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR/CUSTOMER. THE APPROVED BACKFLOW PREVENTION DEVICE SHALL BE TESTED AND CERTIFIED BY LEE COUNTY UTILITIES APPROVED CERTIFIED BACKFLOW PREVENTION TECHNICIAN (FURNISHED BY CONTRACTOR/CUSTOMER) AT TIME OF METER INSTALLATION. CONTRACTOR/CUSTOMER SHALL PROTECT THE ASSEMBLY FROM DAMAGE. TEMPORARY CONSTRUCTION JUMPER/METER ASSEMBLY SHALL NOT BE REMOVED UNTIL SYSTEM IS ACCEPTED AND DEPARTMENT OF HEALTH CERTIFICATION AND CLEARANCE FOR SERVICE FORM HAS BEEN RECEIVED BY LEE COUNTY UTILITIES. WHEN THE NEW SYSTEM IS ACCEPTED, THE TEMPORARY CONSTRUCTION JUMPER METER ASSEMBLY MUST BE COMPLETELY REMOVED DOWN TO CORP STOPS.
- 1 TAPPING SLEEVE AND VALVE TO BE FULLY RESTRAINED ON EXISTING MAIN (SEE LCU STANDARD DETAIL)
 - 2 GRADE
 - 3 PROPERTY LINE AND/OR RIGHT OF WAY LINE
 - 4 BRONZE BALL VALVE
 - 5 METER FURNISHED BY LEE COUNTY UTILITIES
 - 6 REDUCED PRESSURE BACKFLOW PREVENTER
 - 7 PIPE STAND (SEE LCU STANDARD DETAIL)
 - 8 2" DIA. HDPE DR9
 - 9 2" DIA. CORPORATION STOP
 - 10 2" DIA. CURB STOP

REV: 12/10/2015

STANDARD DETAIL NO. 6.16
LEE COUNTY UTILITIES
WATER SERVICE INSTALLATION 5/8" THROUGH 1"

N.T.S.

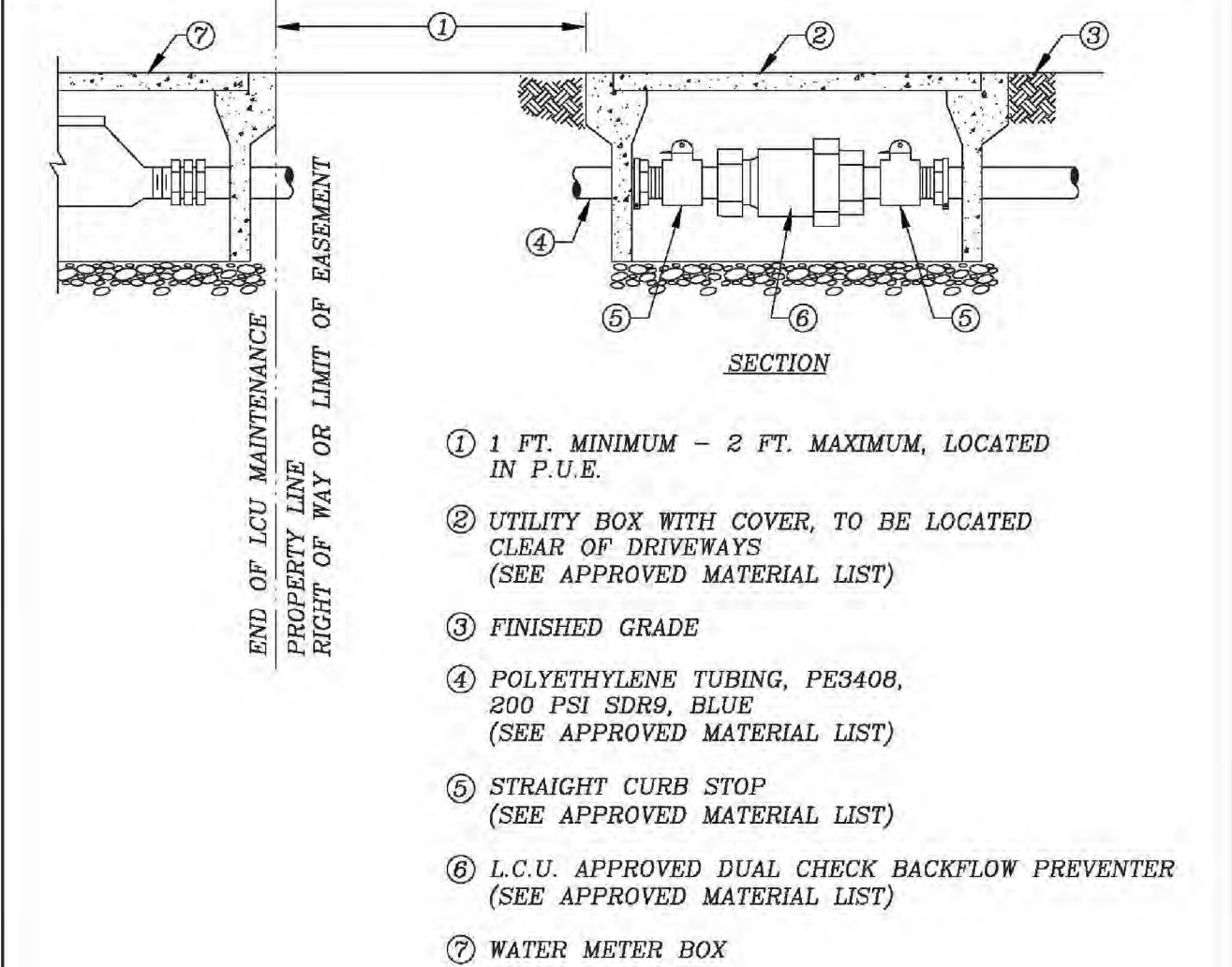


- NOTES:
1. TUBING UNDER ROADWAY SHALL BE ENCASED IN 4" P.V.C. PIPE SCHEDULE 40 MINIMUM AND EXTEND 4 FEET BEYOND THE EDGES OF PAVEMENT OR BACK OF CURB.
- 1 FINISHED GRADE
 - 2 METER BOX WITH COVER TO BE LOCATED INSIDE R.O.W. @ PROPERTY LINE & CLEAR OF DRIVEWAYS.
 - 3 POLYETHYLENE TUBING, PE 3408, 200PSI, SDR9, BLUE (SEE APPROVED MATERIAL LIST)
 - 4 STRAIGHT CURB STOP WITH PADLOCK WINGS CONNECTED TO LEE COUNTY WATER METER (SEE APPROVED MATERIAL LIST)
 - 5 3/4" POLYETHYLENE TUBING, PE 3408, 200 PSI, SDR 9, BLUE (SEE APPROVED MATERIAL LIST) WITH LOCATING WIRE
 - 6 1" POLYETHYLENE TUBING, PE 3408, SDR 9, BLUE (SEE APPROVED MATERIAL LIST) WITH LOCATING WIRE
 - 7 MIN. 22 1/2° NOT TO EXCEED 45°
 - 8 BALL CORPORATION STOP (SEE APPROVED MATERIAL LIST)
 - 9 BRASS "Y" OR "T" CONNECT (SEE APPROVED MATERIAL LIST)
 - 10 DOUBLE STRAP SERVICE SADDLE PROVIDE SPRING LOADED TAPPING SADDLE WHEN TAPPING HDPE (SEE APPROVED MATERIAL LIST)
 - 11 WATER MAIN

REV: 12/10/2015

STANDARD DETAIL NO. 6.18
LEE COUNTY UTILITIES
5/8" THROUGH 2" SINGLE FAMILY RESIDENTIAL
CROSS CONNECTION CONTROL ASSEMBLY

N.T.S.



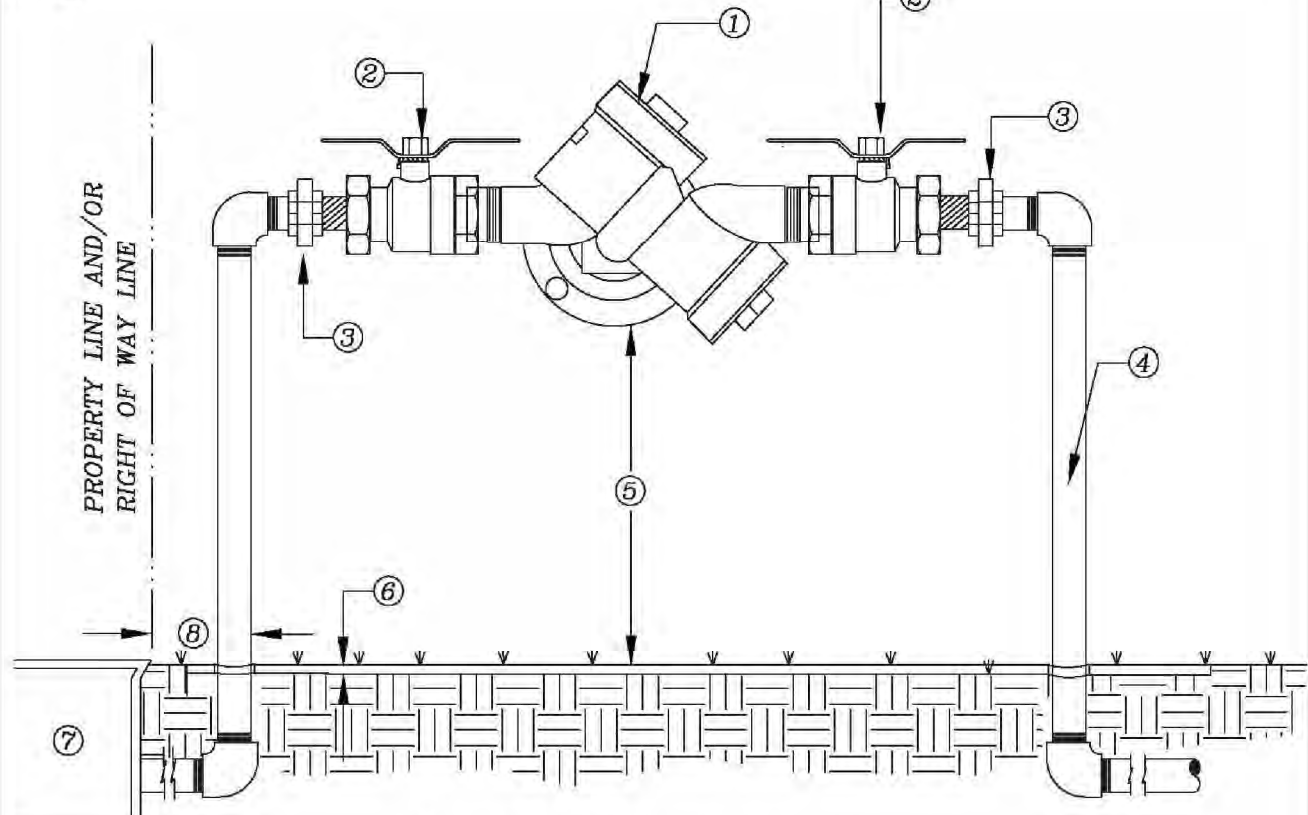
- 1 1 FT. MINIMUM - 2 FT. MAXIMUM, LOCATED IN P.U.E.
- 2 UTILITY BOX WITH COVER, TO BE LOCATED CLEAR OF DRIVEWAYS (SEE APPROVED MATERIAL LIST)
- 3 FINISHED GRADE
- 4 POLYETHYLENE TUBING, PE3408, 200 PSI SDR9, BLUE (SEE APPROVED MATERIAL LIST)
- 5 STRAIGHT CURB STOP (SEE APPROVED MATERIAL LIST)
- 6 L.C.U. APPROVED DUAL CHECK BACKFLOW PREVENTER (SEE APPROVED MATERIAL LIST)
- 7 WATER METER BOX

NOTE:
1. INITIAL DEVICE TESTING REQUIRED. REFURBISH OR REPLACE DUAL CHECK BACKFLOW PREVENTER AT LEAST EVERY 5 TO 10 YEARS.

DATE: 12/10/2015

STANDARD DETAIL NO. 6.19
LEE COUNTY UTILITIES
3/4" TO 2" CROSS CONNECTION CONTROL ASSEMBLY

N.T.S.



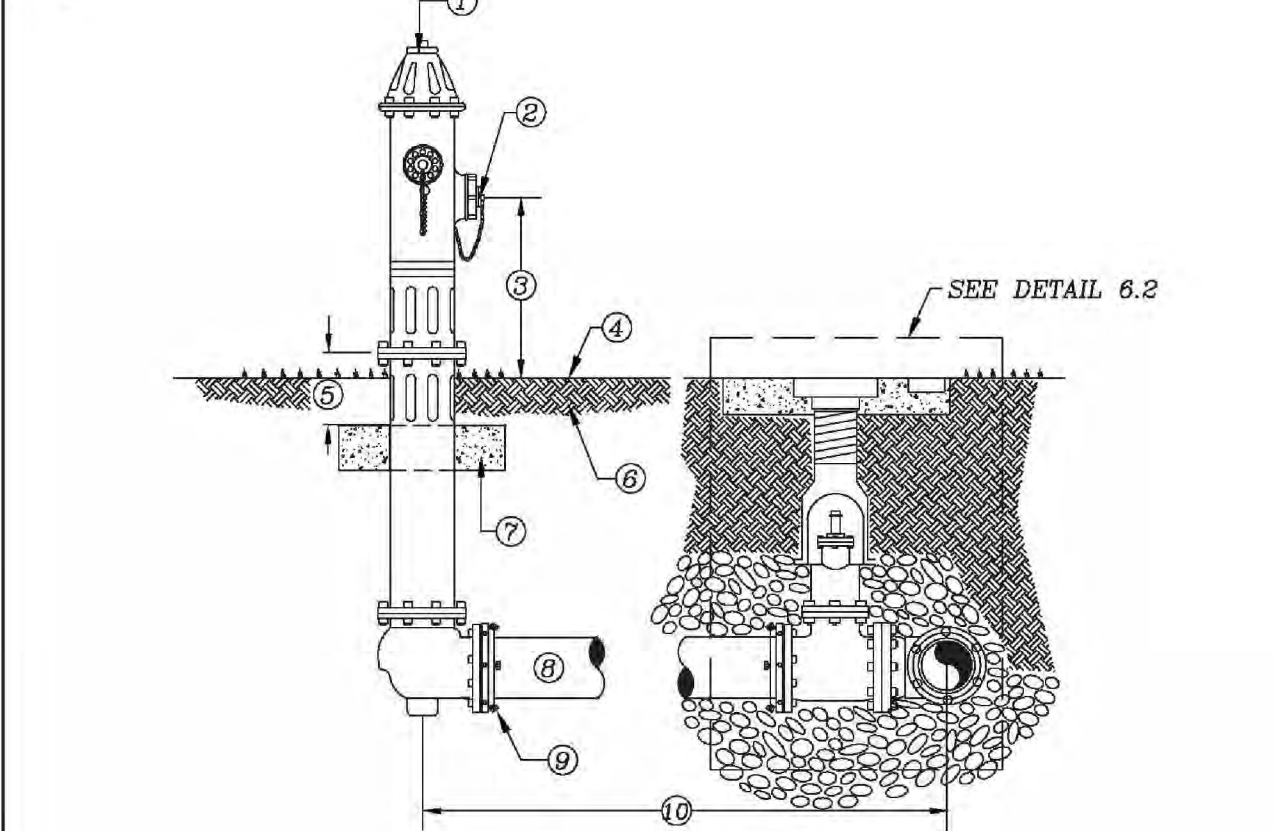
- 1 LCU APPROVED REDUCED PRESSURE BACKFLOW PREVENTION DEVICE (SEE APPROVED MATERIAL LIST)
- 2 FULL FLOW BRONZE BALL VALVE
- 3 UNION
- 4 ALL PIPING AND FITTINGS SHALL BE BRASS OR COPPER
- 5 12" MIN. - 24" MAX. UNLESS OTHERWISE APPROVED BY LCU
- 6 FINISHED GRADE
- 7 METER BOX
- 8 2' MAXIMUM

NOTES:
1. UNIONS REQUIRED
2. INITIAL AND ANNUAL DEVICE TESTING REQUIRED

REV: 12/10/2015

STANDARD DETAIL NO. 6.24
LEE COUNTY UTILITIES
FIRE HYDRANT ASSEMBLY

N.T.S.

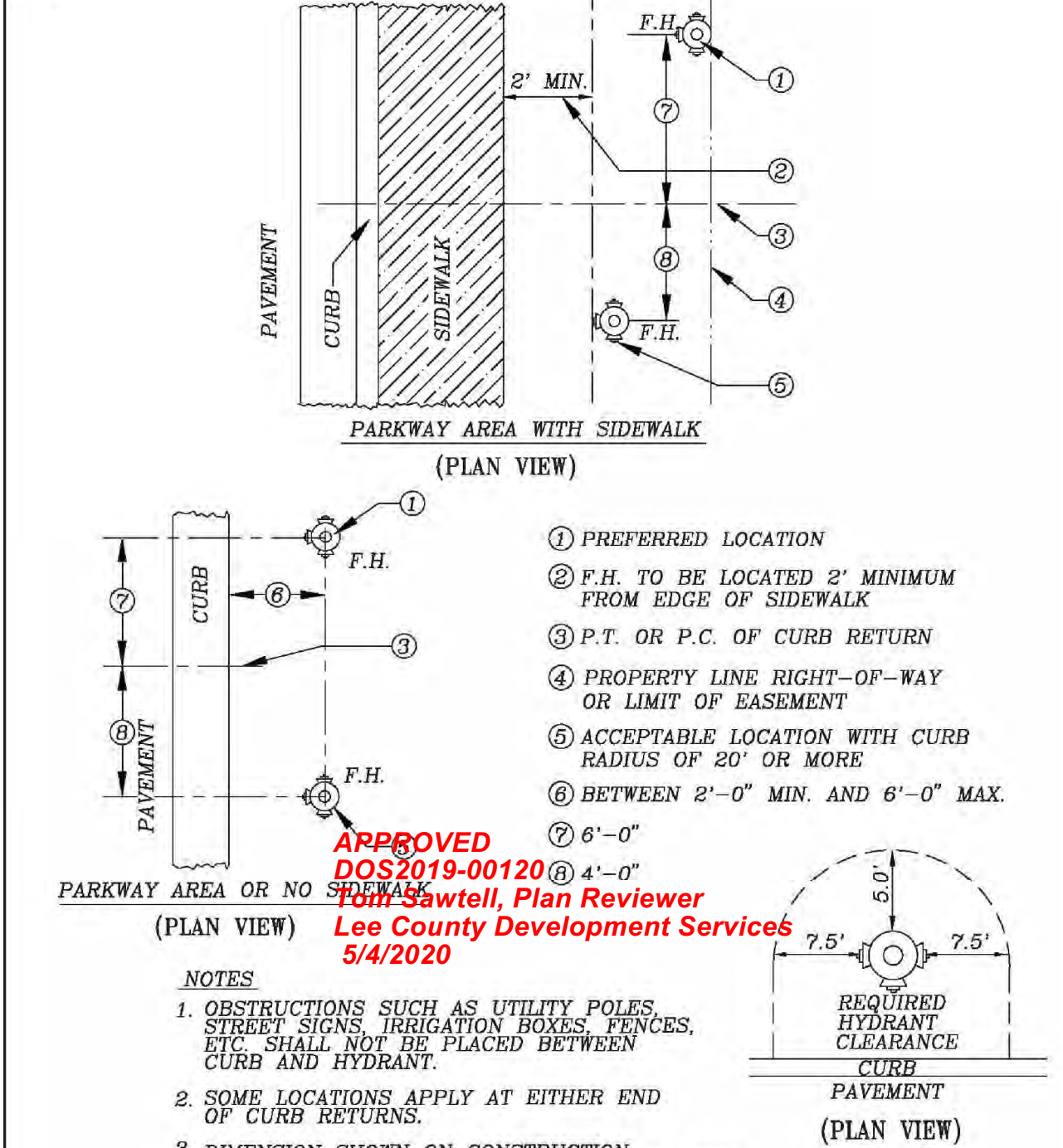


- 1 FIRE HYDRANT: STANDARD A.W.W.A. SAFETY YELLOW (SEE APPROVED MATERIAL LIST)
- 2 PUMPER CONNECTION FACING AS PER FIRE DISTRICT RECOMMENDATION
- 3 18" MIN. - 24" MAX.
- 4 FINISHED GRADE
- 5 6" MIN. CLEARANCE
- 6 COMPACTED FILL
- 7 36" X 30" X 4" CONCRETE BREAK AWAY CONCRETE PAD, 3000 P.S.I.
- 8 PIPE TO BE D.I.P., PRESSURE CLASS 350
- 9 RESTRAINED JOINTS, FROM HYDRANT TO WATER MAIN
- 10 VARIABLE DISTANCE, IF GREATER THAN 100' A VALVE SHALL BE INSTALLED AT HYDRANT BASE

REV: 12/10/2015

STANDARD DETAIL NO. 6.25
LEE COUNTY UTILITIES
FIRE HYDRANT LOCATIONS/CLEARANCE

N.T.S.



- NOTES:
1. OBSTRUCTIONS SUCH AS UTILITY POLES, STREET SIGNS, IRRIGATION BOXES, FENCES, ETC. SHALL NOT BE PLACED BETWEEN CURB AND HYDRANT.
2. SOME LOCATIONS APPLY AT EITHER END OF CURB RETURNS.
3. DIMENSION SHOWN ON CONSTRUCTION DRAWINGS SUPERCEDE LOCATIONS SHOWN HERE.
- 1 PREFERRED LOCATION
 - 2 P.H. TO BE LOCATED 2' MINIMUM FROM EDGE OF SIDEWALK
 - 3 P.T. OR P.C. OF CURB RETURN
 - 4 PROPERTY LINE RIGHT-OF-WAY OR LIMIT OF EASEMENT
 - 5 ACCEPTABLE LOCATION WITH CURB RADIUS OF 20' OR MORE
 - 6 BETWEEN 2'-0" MIN. AND 6'-0" MAX.
 - 7 6'-0"

REV: 12/10/2015

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ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR

LENNAR

LENNAR HOMES
10471 BEN C PRATT / 6 MILE
CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966

PHONE (239) 278-1177
FAX (239) 931-4749

PROJECT DESCRIPTION

WildBlue

LEE COUNTY, FLORIDA

ENGINEER OF RECORD

TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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FILE NAME: J23795A70.DWG

LOCATION: J:\23795\DWG\DO

PLOT DATE: TUE. 1-14-2020 - 9:47 AM

PLOT BY: SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS

PLAN REVISIONS

PLAN STATUS

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UTILITY
DETAILS

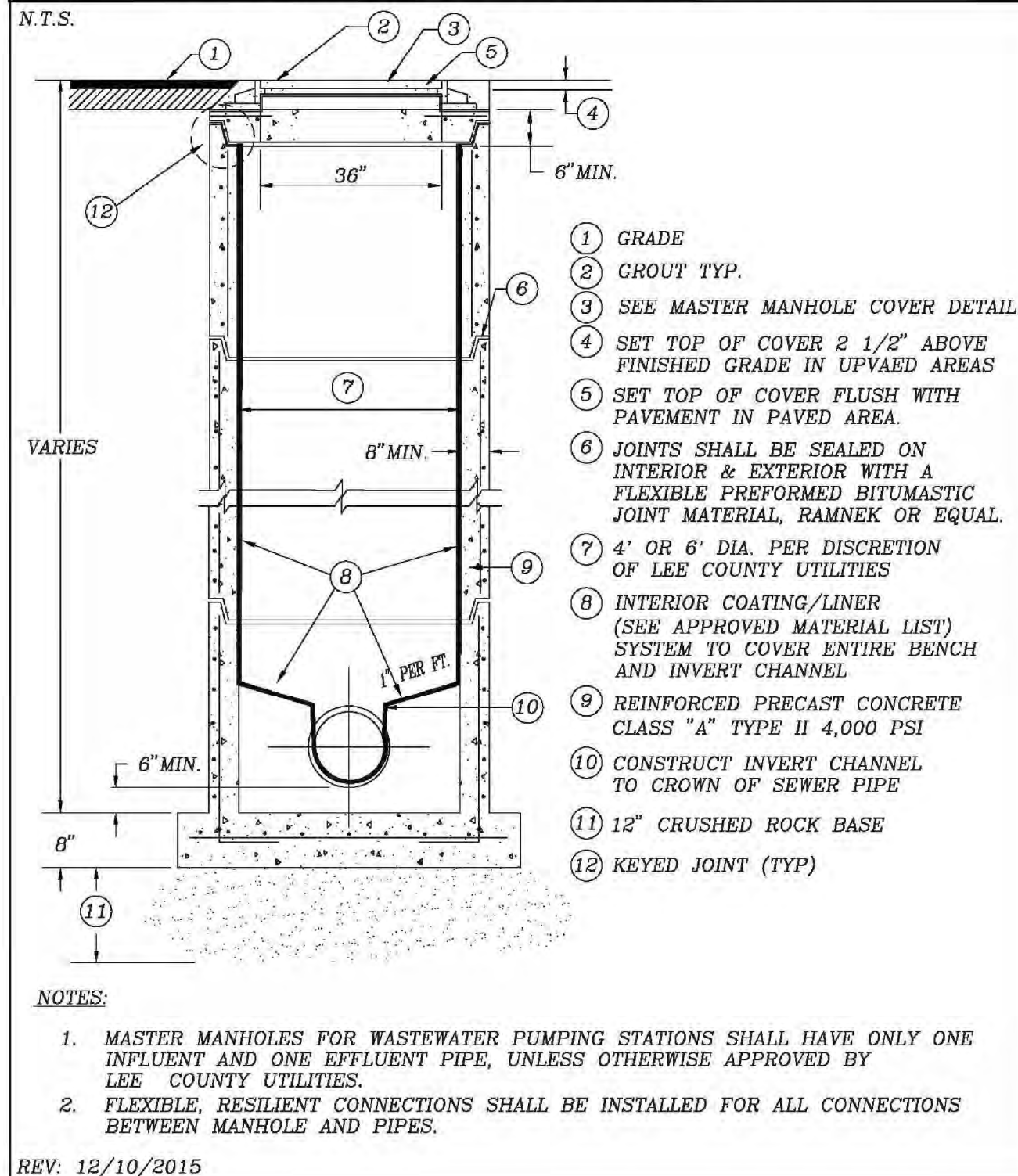
PROJECT / FILE NO.

23795

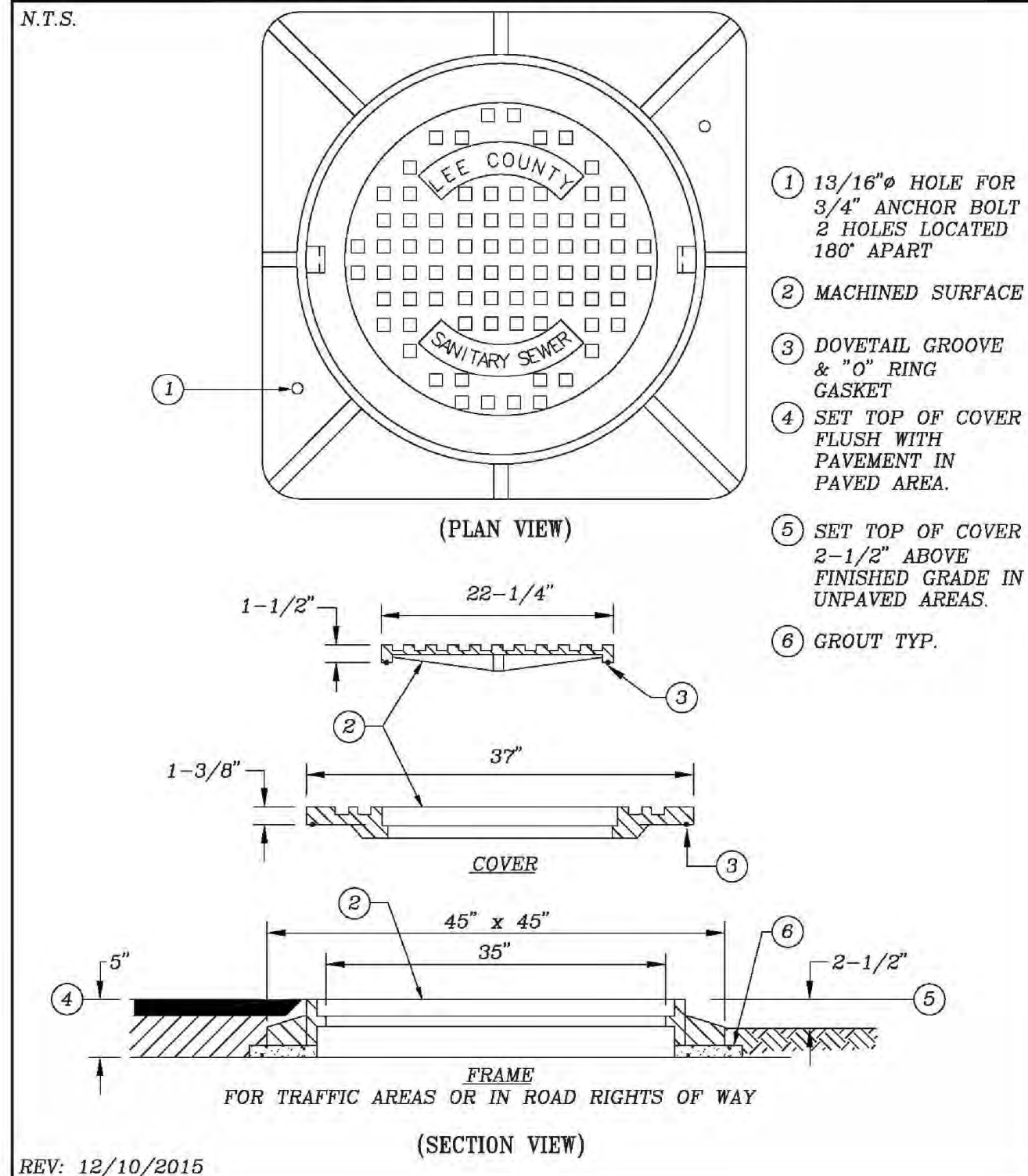
SHEET NUMBER

20.1

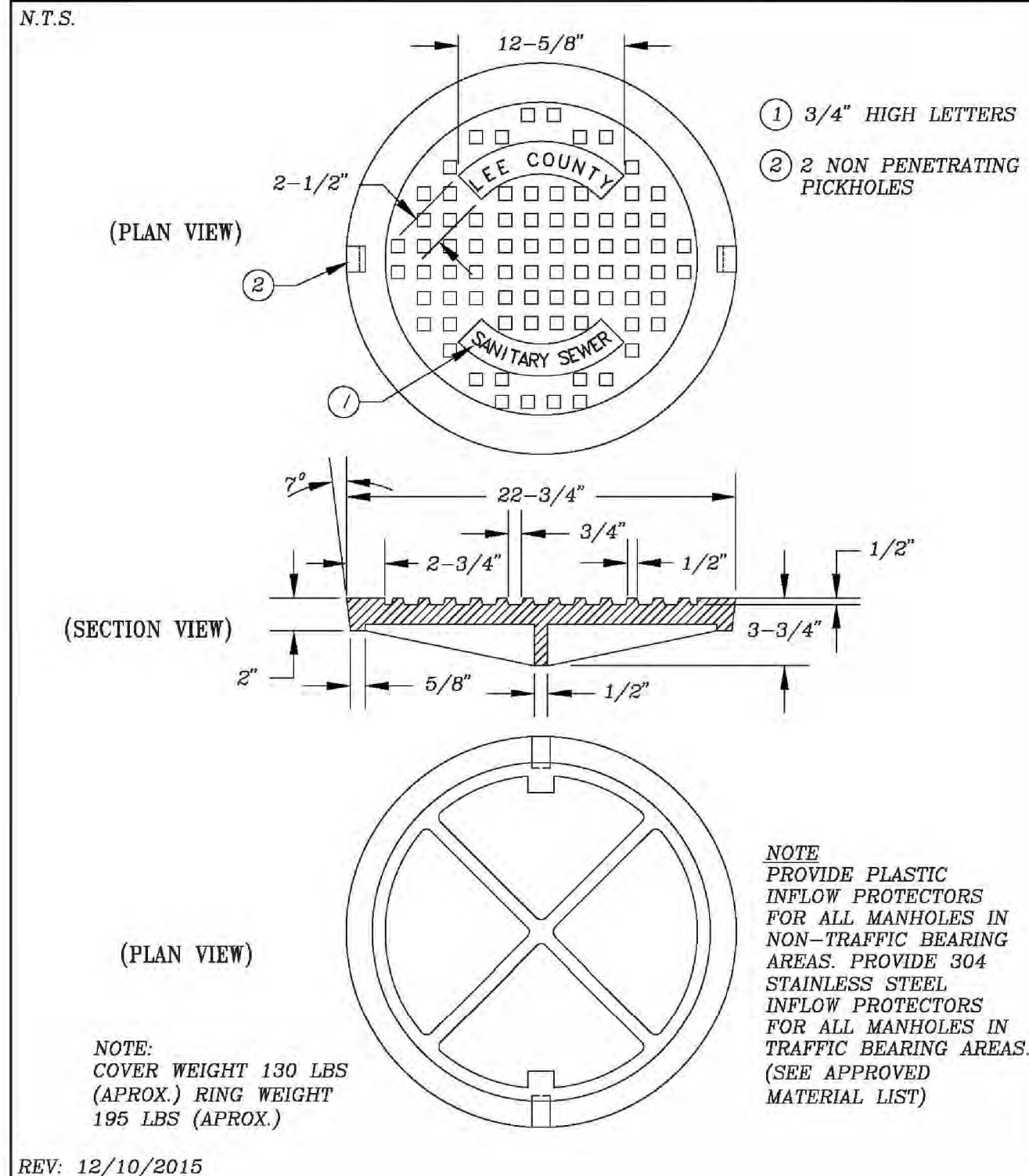
STANDARD DETAIL NO. 6.28
LEE COUNTY UTILITIES
MASTER PRECAST CONCRETE MANHOLE



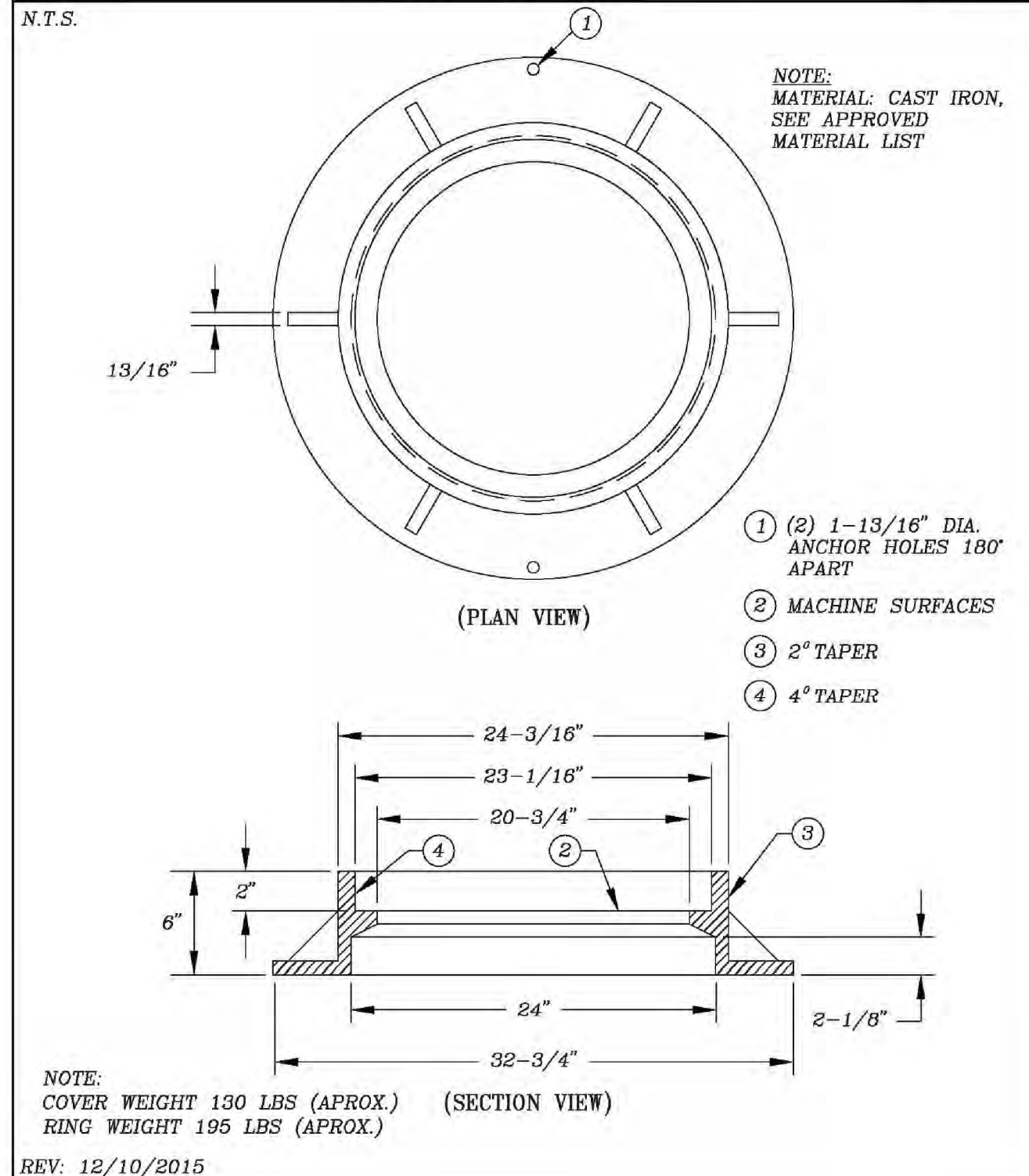
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LEE COUNTY UTILITIES
MASTER MANHOLE FRAME AND COVER



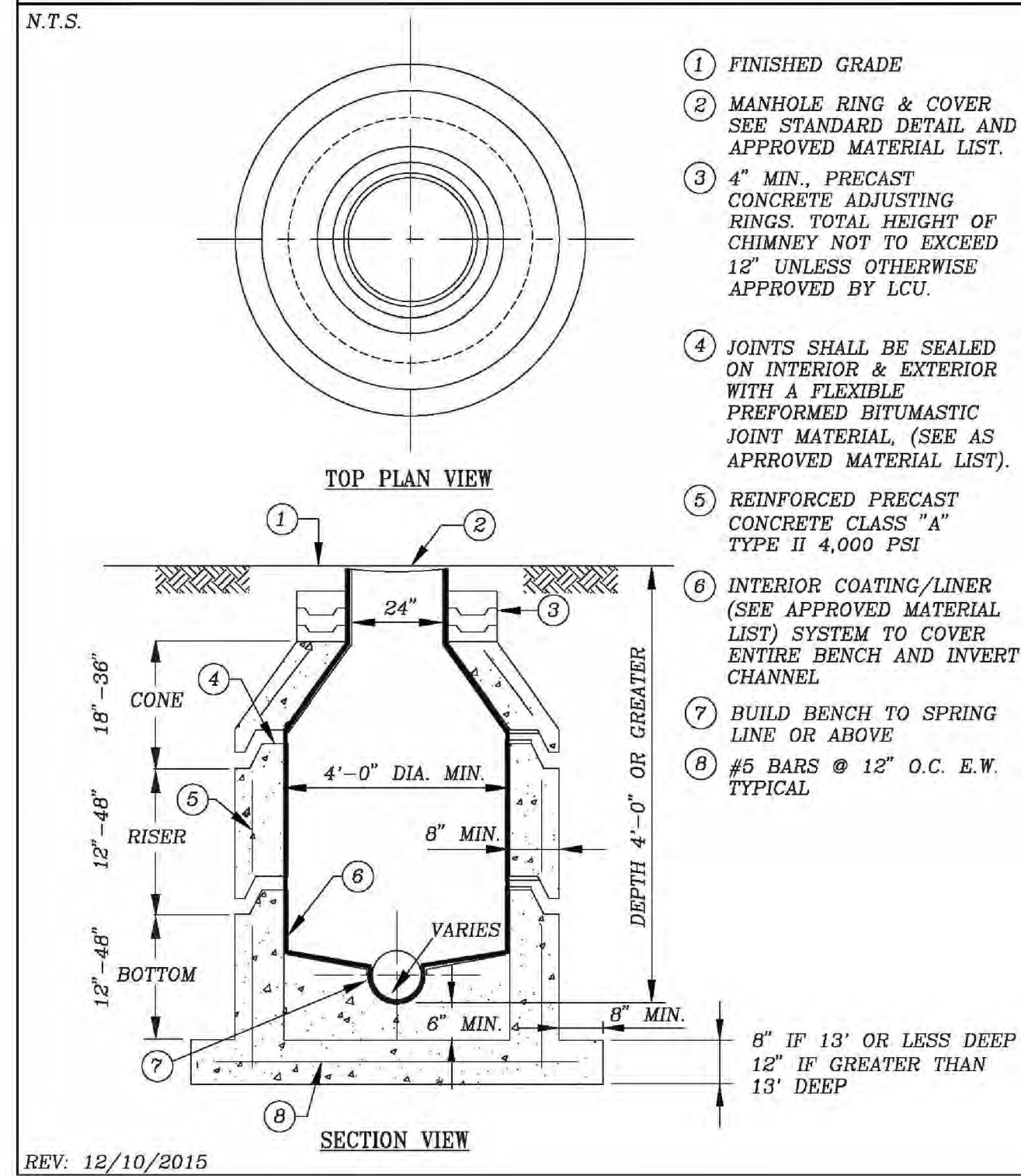
STANDARD DETAIL NO. 6.30
LEE COUNTY UTILITIES
MANHOLE FRAME COVER



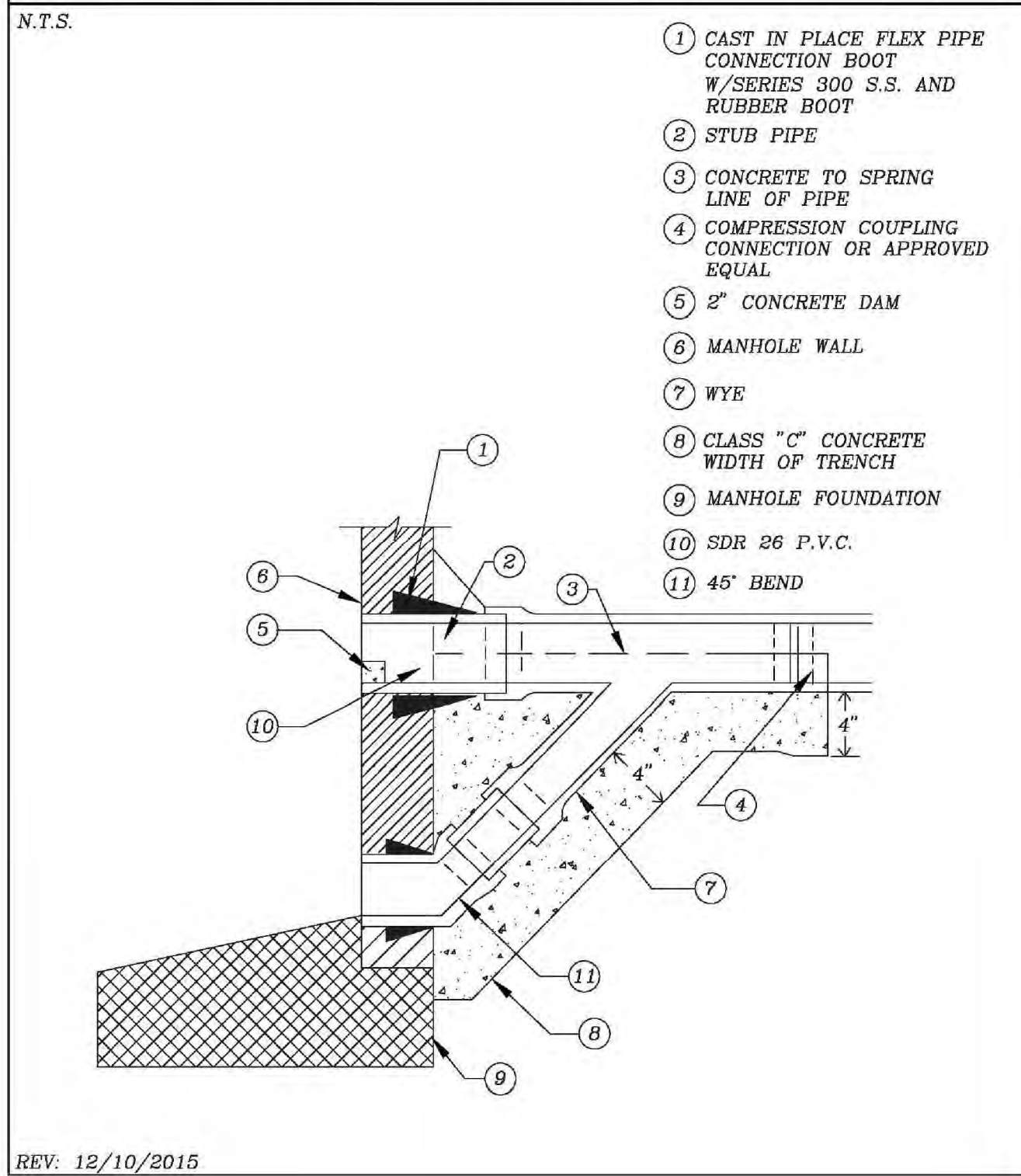
STANDARD DETAIL NO. 6.31
LEE COUNTY UTILITIES
MANHOLE FRAME RING



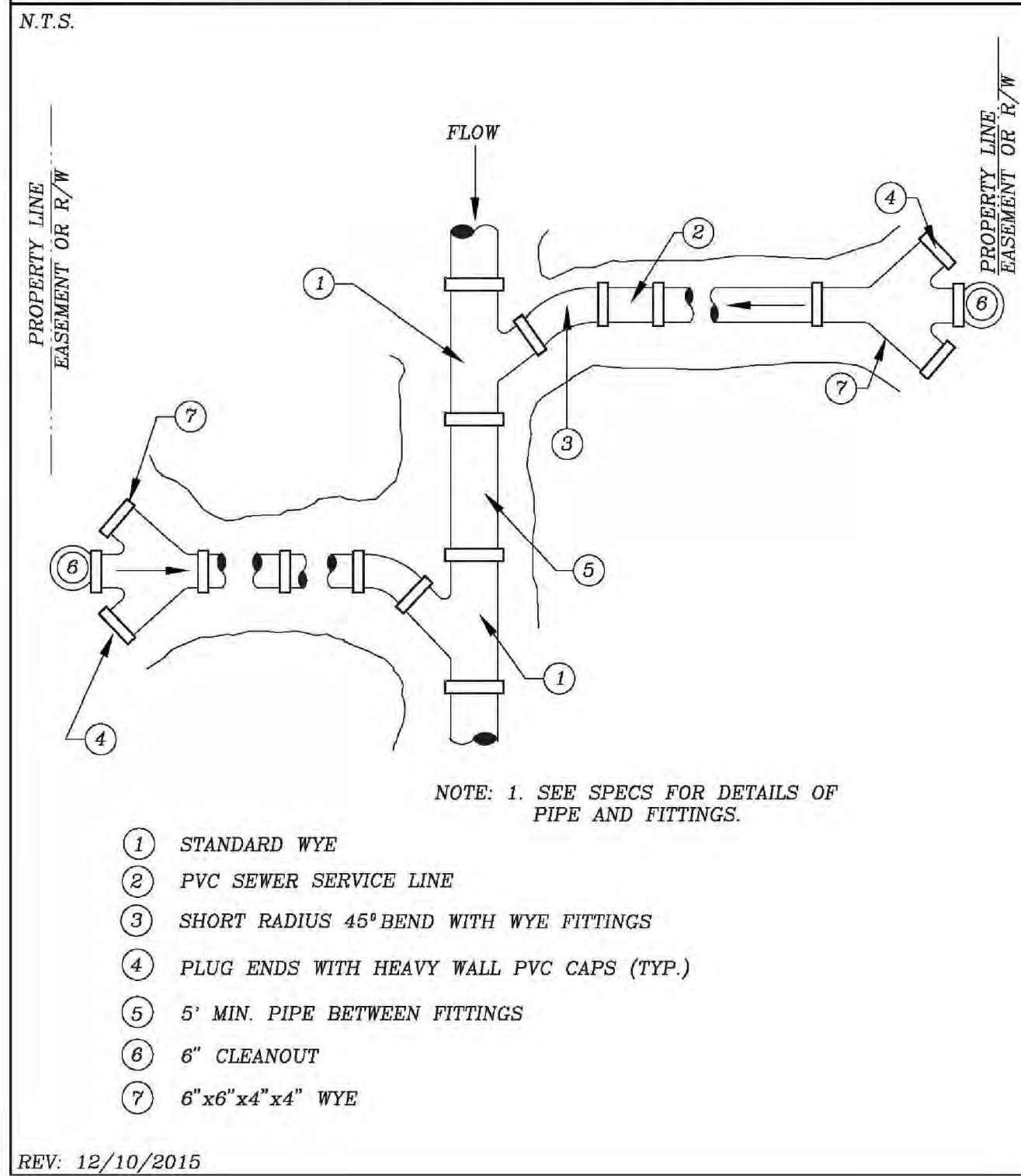
STANDARD DETAIL NO. 6.33
LEE COUNTY UTILITIES
PRECAST MANHOLE-CONCENTRIC



STANDARD DETAIL NO. 6.36
LEE COUNTY UTILITIES
OPTIONAL MANHOLE DROP 2' TO 4'



STANDARD DETAIL NO. 6.38
LEE COUNTY UTILITIES
STANDARD SEWER SERVICE LATERALS

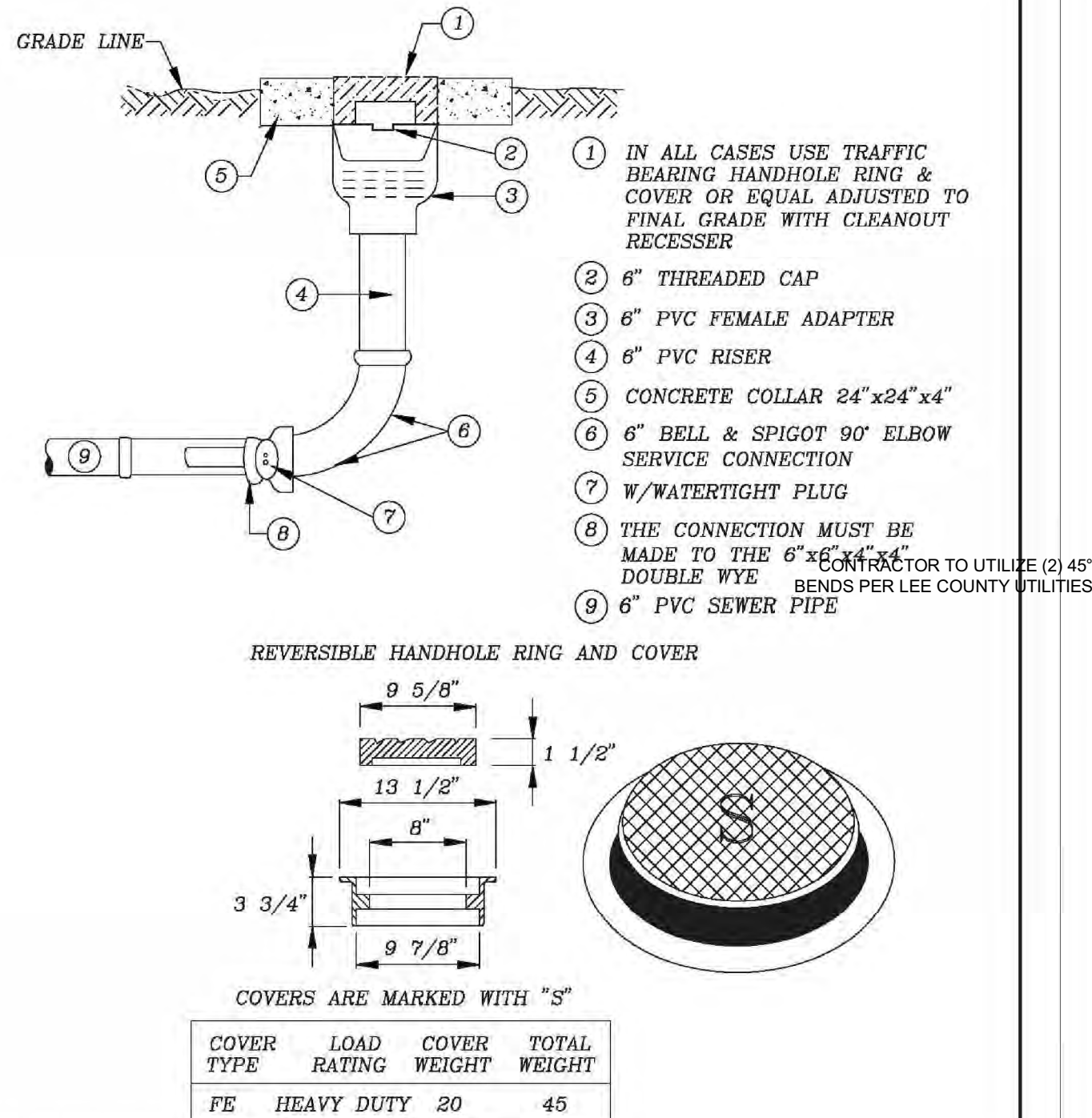


APPROVED
DOS2019-00120
Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020

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DETAILS**
PROJECT / FILE NO.
23795
SHEET NUMBER
20.2

STANDARD DETAIL NO. 6.40
LEE COUNTY UTILITIES
6" SEWER CLEAN-OUT DETAIL

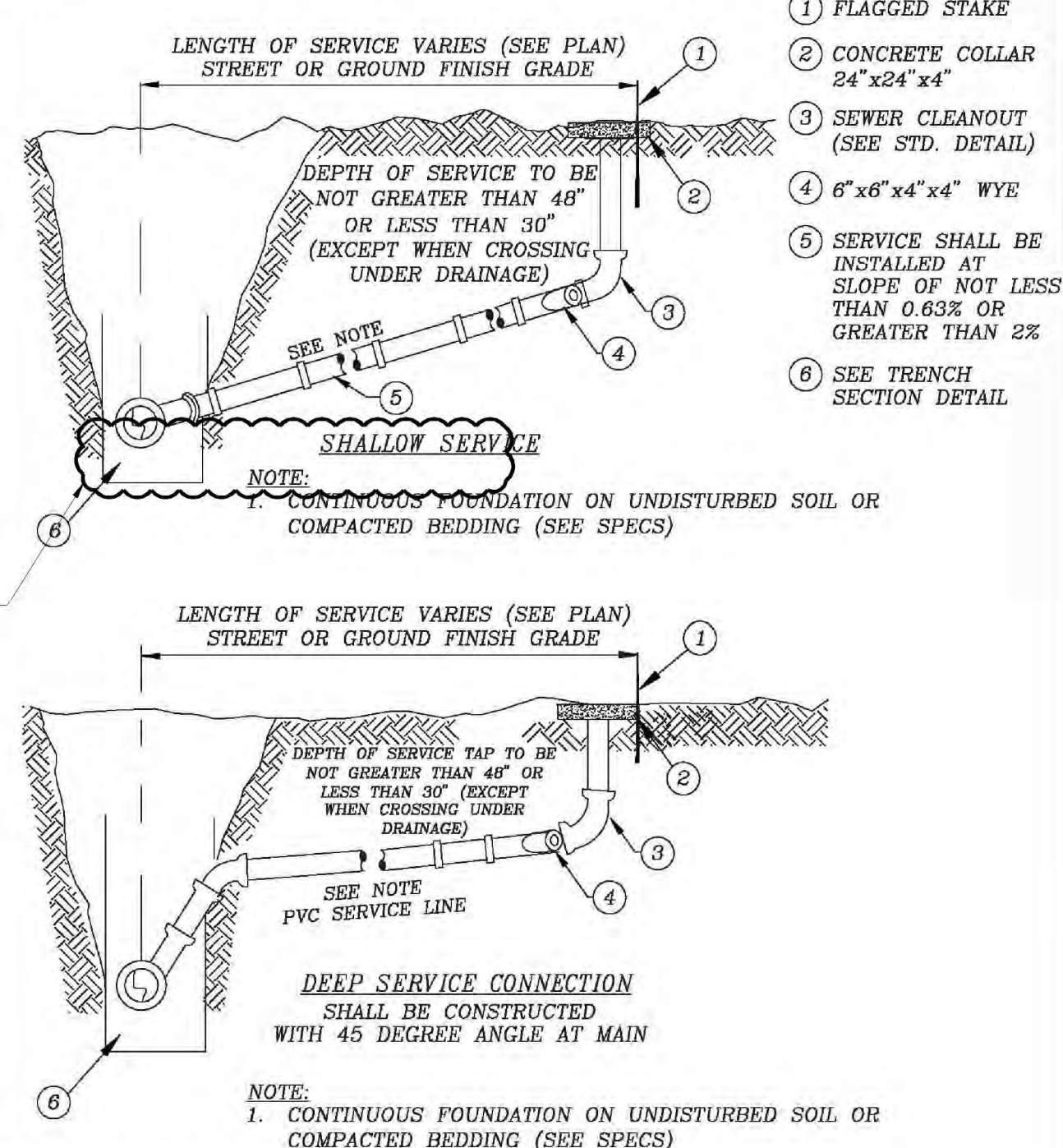
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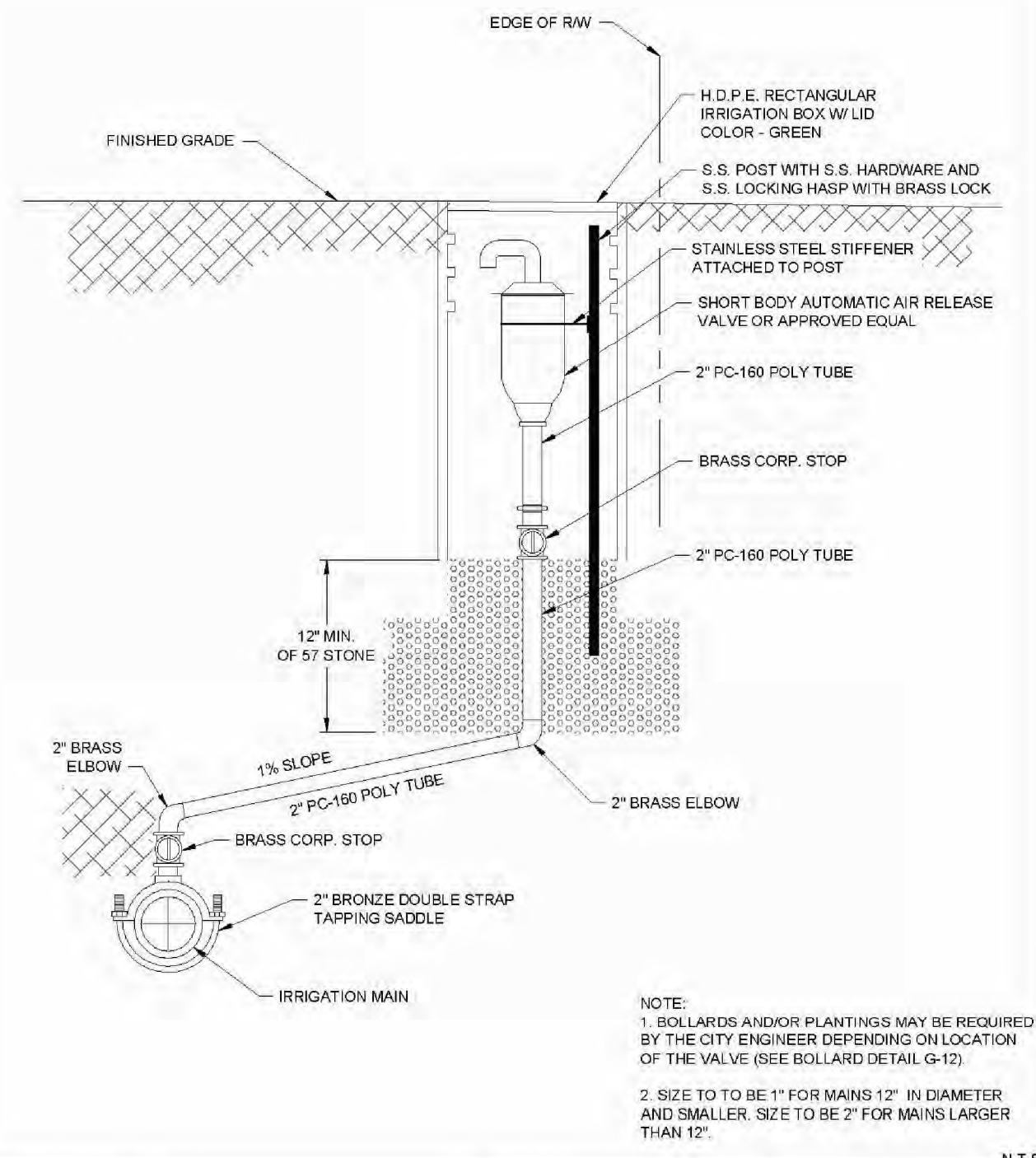
REV: 12/10/2015

STANDARD DETAIL NO. 6.39
LEE COUNTY UTILITIES
STANDARD SEWER SERVICE LATERAL

N.T.S.



REV: 12/10/2015

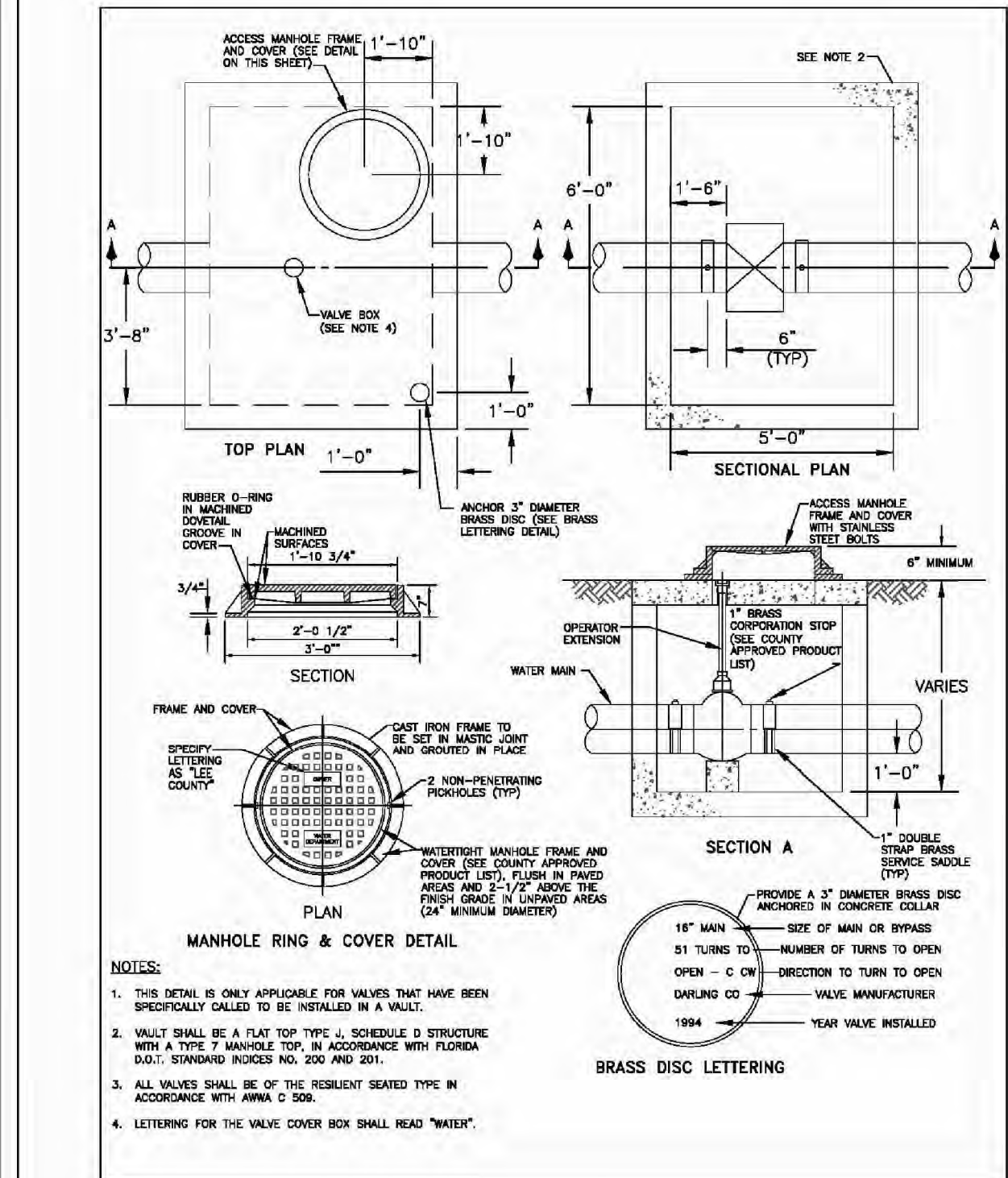


N.T.S.

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FLORIDA CERTIFICATE OF AUTHORIZATION
ENGINEERING 7995 - SURVEYING LB-6940

AUTOMATIC
AIR RELEASE
VALVE (IRRIGATION)

DESIGNER	DATE
WHEELER JR	12/10/2015
WHEELER JR	12/10/2015
WHEELER JR	12/10/2015
WHEELER JR	12/10/2015
WHEELER JR	12/10/2015



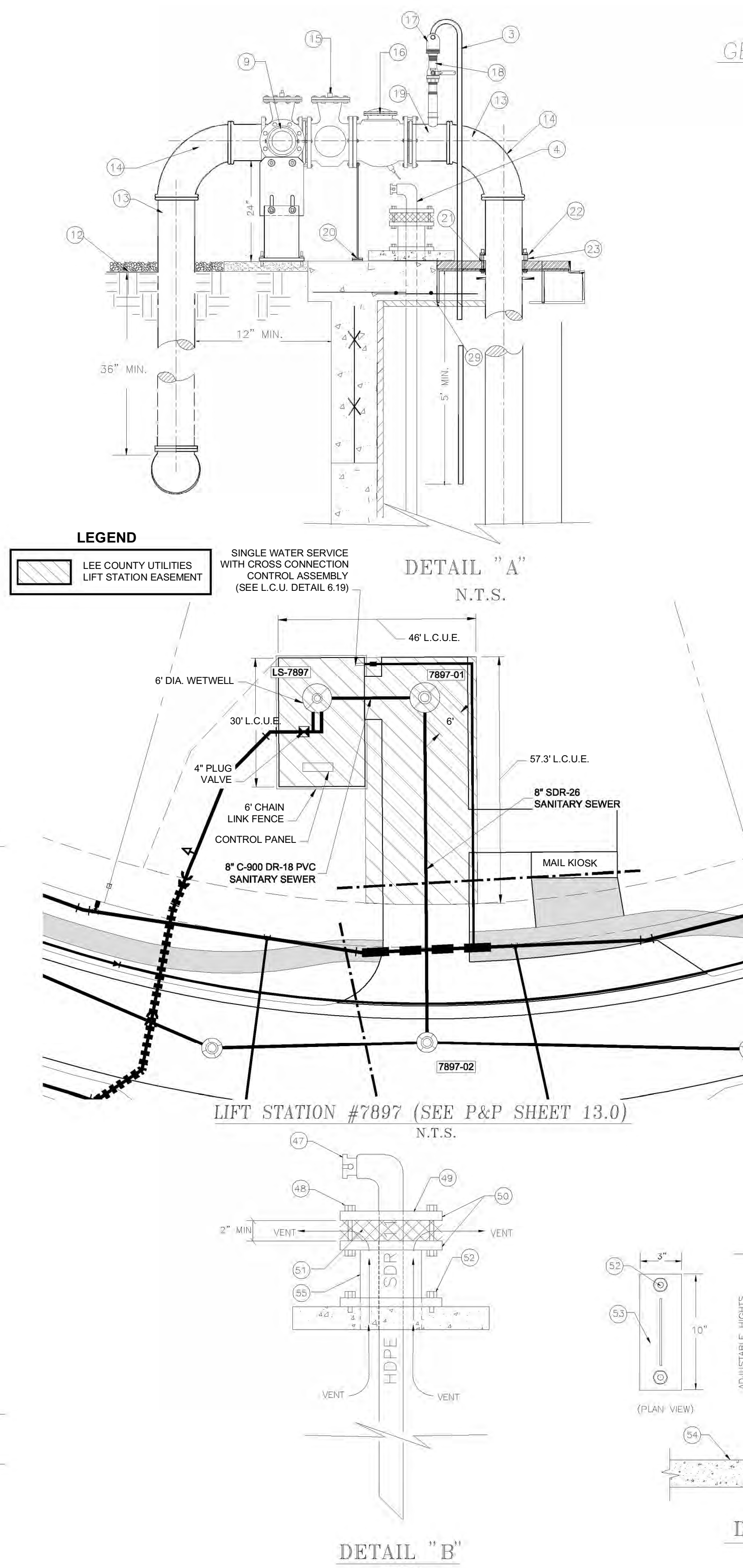
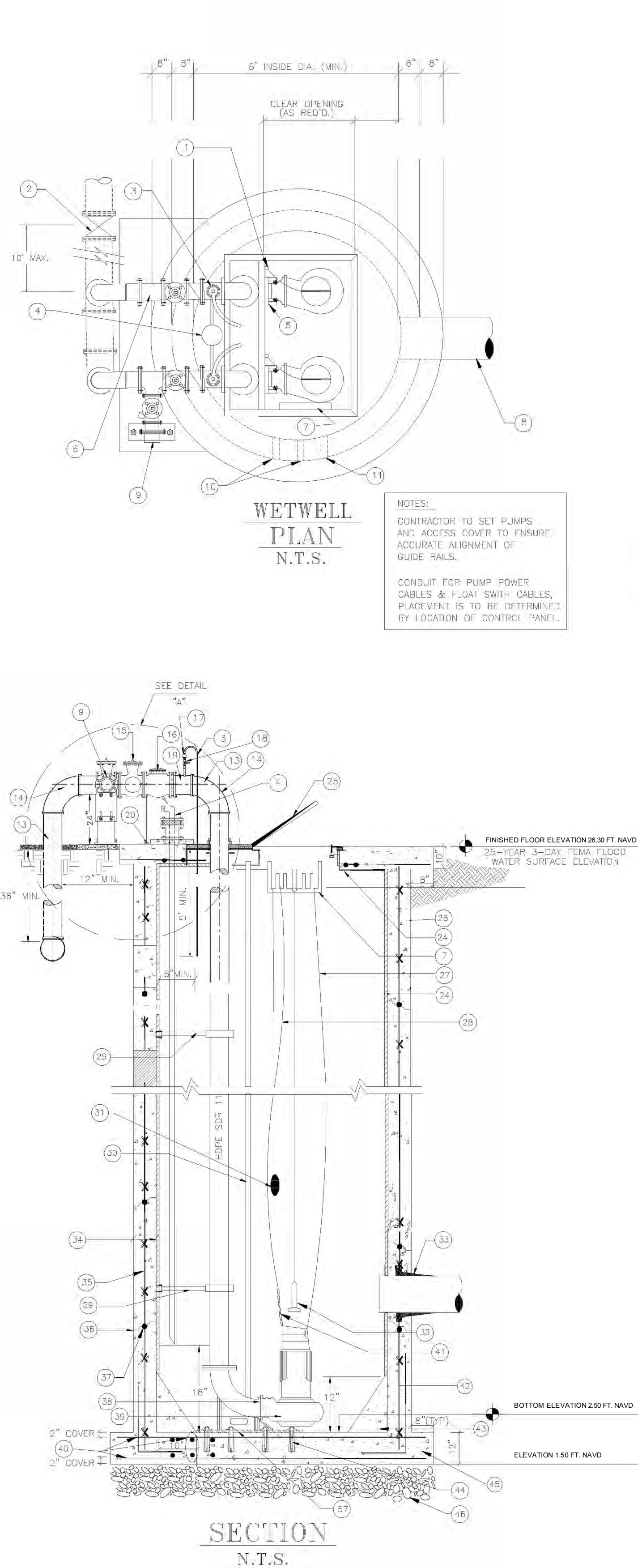
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ENGINEERING 7995 - SURVEYING LB-6940

SUBAQUEOUS WATERMAIN
VALVE VAULT DETAIL

N.T.S.

DESIGNER	DATE
WHEELER JR	12/10/2015
WHEELER JR	12/10/2015
WHEELER JR	12/10/2015
WHEELER JR	12/10/2015
WHEELER JR	12/10/2015

APPROVED
DOS2019-00120
Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020



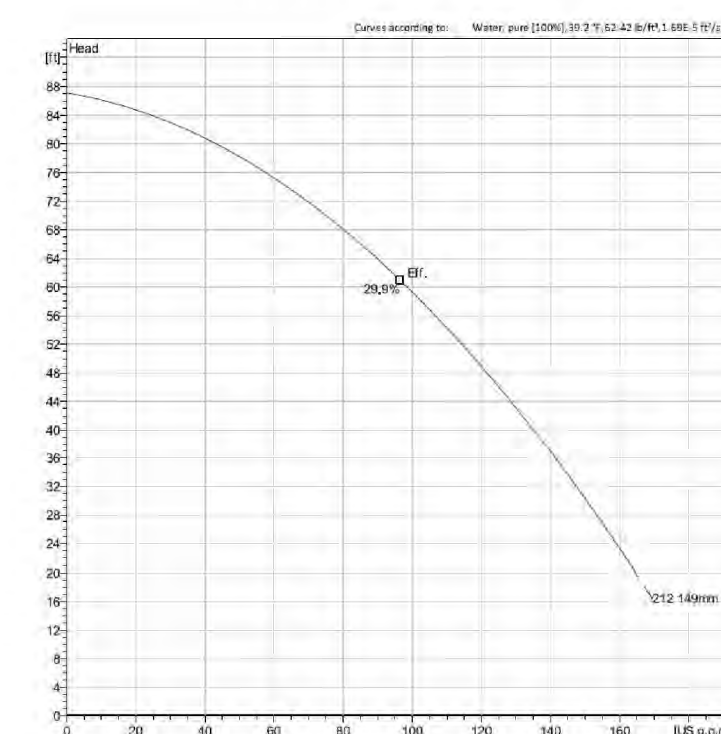
GENERAL NOTES AND REQUIREMENTS

- 1/4" THK. SERIES 300 STAINLESS STEEL HOOKS FOR HOIST CABLES
- PLUG VALVE
- PVC DRAIN LINE FROM AIR RELEASE VALVE TO WET WELL
- EMERGENCY PUMP OUT AND AIRVENT (SAME DIAMETER AS DISCHARGE PIPING) (SEE DETAIL "B")
- GUIDE RAILS
- SPOOL PIECE
- STAINLESS STEEL FLOAT CABLE SUPPORT
- INFLUENT PIPE INSTALLED RADially FROM WETWELL CENTER
- FEMALE QUICK CONNECT COUPLER WITH CAP AND PLUG VALVE
- POWER CABLE
- FLOAT CONTROLS
- FILTER CLOTH WITH 4" OF COMPACTED #57 STONE
- HDPE PIPE
- LONG RADIUS 90° BEND
- PLUG VALVE (PAINT BLACK)
- SWING FLEX CHECK VALVE (PAINT BLACK)
- 2" AUTOMATIC AIR RELEASE VALVE; (SEE LCU APPROVED MATERIAL LIST) ON EACH DISCHARGE PIPE
- 2" STAINLESS STEEL BALL VALVE (SEE APPROVED MATERIAL LIST)
- HDPE BRANCH SADDLE PT. 3408 ASTM D3350 (BLACK) WITH FEMALE THREADED INSERT BRASS ALLOY
- STAINLESS COMPRESSION RING GRADE TYPE 304 OR 316
- STAINLESS STEEL PIPE SUPPORT (SEE DETAIL "C")
- NEOPRENE GASKET
- STAINLESS STEEL FLANGE RING
- HDPE RIM (FUSED TO HDPE PIPE)
- LINER OR COATING (SEE LCU APPROVED MATERIAL LIST)
- ALUMINUM HATCH (SEE DETAIL D)
- COAL TAR EPOXY (BELOW FINISHED GRADE)
- SENSOR CABLE
- SERIES 316 STAINLESS STEEL 1/4" CABLE
- SERIES 316 STAINLESS STEEL PIPE SUPPORT
- 2" SERIES 316 STAINLESS STEEL GUIDE RAILS
- HIGH WATER ALARM SIGNAL ON SUBMERSIBLE LEVEL TRANSMITTER
- CAST IN PLACE FLEXIBLE PIPE CONNECTION WITH SERIES 316 STAINLESS STEEL CLAMP G-923, CHARDON RUBBER, O/E (TYP.) WALL THICKNESS 8" MIN.
- STEEL REINFORCEMENT
- RAM-NEK BLANKET OUTER SIDE OF WET WELL
- RAM-NEK OR EQUAL PREFORMED PLASTIC GASKET MATERIAL BETWEEN PRECAST UNITS (TYP.)
- AUTOMATIC DISCHARGE CONNECTION TO SUIT PUMP
- SUBMERSIBLE PUMPS
- #5 AT 8" CENTER
- SERIES 316 STAINLESS STEEL 3/8" CHAIN (1'-6" LONG)
- #4 AT 8" CENTER
- CONCOR PORTLAND TYPE II & SAND MIX
- 3/4" DIA. x 8" STAINLESS STEEL WEDGE BOLT SCREW ANCHORS, 8 EA. REFER TO LCU STANDARD DETAIL
- BASE SECTION TO BE A MONOLITHIC CASTING
- 12" MIN. COMPACTED #57 STONE
- CAM LOCK COUPLING ON EMERGENCY PUMP OUT
- STAINLESS STEEL BOLTS
- BLIND FLANGE
- STAINLESS STEEL CLAMP
- STAINLESS STEEL SCREEN CLOTH
- STAINLESS STEEL CONCRETE BOLTS
- 3/8" STAINLESS STEEL
- 4" THICK 3,000 P.S.I. CONCRETE SLAB
- AIR VENT TO BE 2 PIPE SIZES LARGER THAN EMERGENCY PUMP OUT. THE ACTUAL LOCATION IS TO BE DETERMINED IN THE FIELD.
- LCU PREFERS THE LIFT STATION FENCE TO HAVE DARK GREEN VINYL COATING. HOWEVER, BLACK VINYL IS ACCEPTABLE.
- PUMP DISCHARGE BASE PLATE, REFER TO LCU STANDARD DETAIL

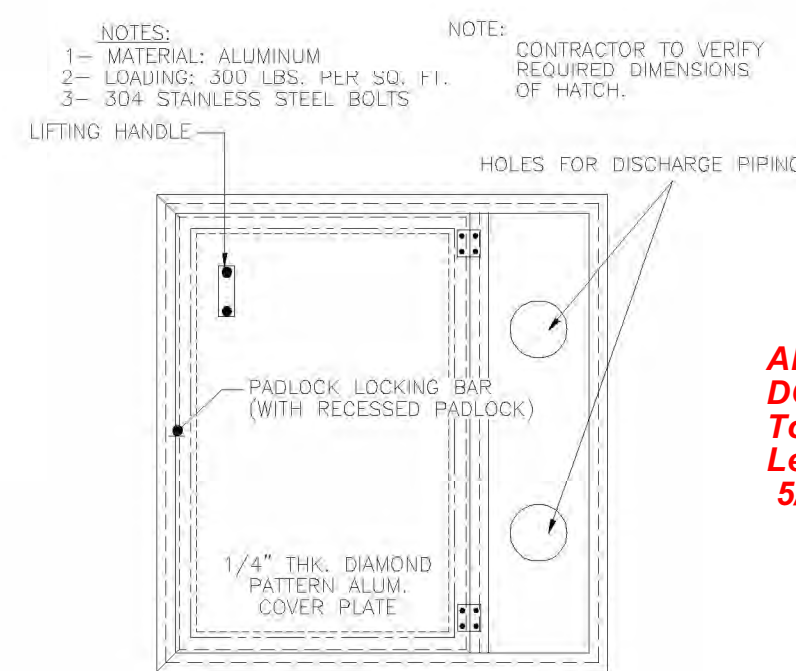
NUMBER OF PUMPS	# 1	# 2	# 3
PUMP MANUFACTURER	FLYGT	FLYGT	
PUMP MODEL NUMBER	MP 3102 LT	MP 3102 LT	
IMPELLER NUMBER	212	212	
TYPE OF PUMP	SUBMERSIBLE		
DESIGN CAPACITY PER PUMP	113	113	(GPM)
TOTAL DYNAMIC HEAD	52.4	52.4	(FEET)
SHUT-OFF HEAD	87.0	87.0	(FEET)
DESIGN SPEED	3450	3450	(RPM)
MIN. HORSEPOWER PER PUMP	6	6	(HP)
VOLTS	230	230	(VOLTS)
PHASE POWER	3	3	(PH)
PUMP DISCHARGE SIZE	4	4	(INCHES)
DIAMETER RISER PIPE	4	4	(INCHES)
PUMP ON ELEVATION	5.10	5.60	(FEET)
HIGH WATER ALARM	6.10		(FEET)
PUMP OFF ELEVATION	4.50		(FEET)
DIAMETER PIPE AFTER RISER	4		(INCHES)
DIAMETER WETWELL (I.D.)	6		(FEET)
TOP OF WETWELL ELEVATION	26.30		(FEET)
BOTTOM ELEVATION	2.50		(FEET)
INFLUENT GRAVITY PIPE ELEVATION	7.66		(FEET)

BASIS OF DESIGN			
	ADF (gpm)	PHF (gpm)	EDU (1 EDU=250 gpd)
EXISTING	-	-	-
INTERIM	-	-	-
FUTURE	19.27	67.45	111

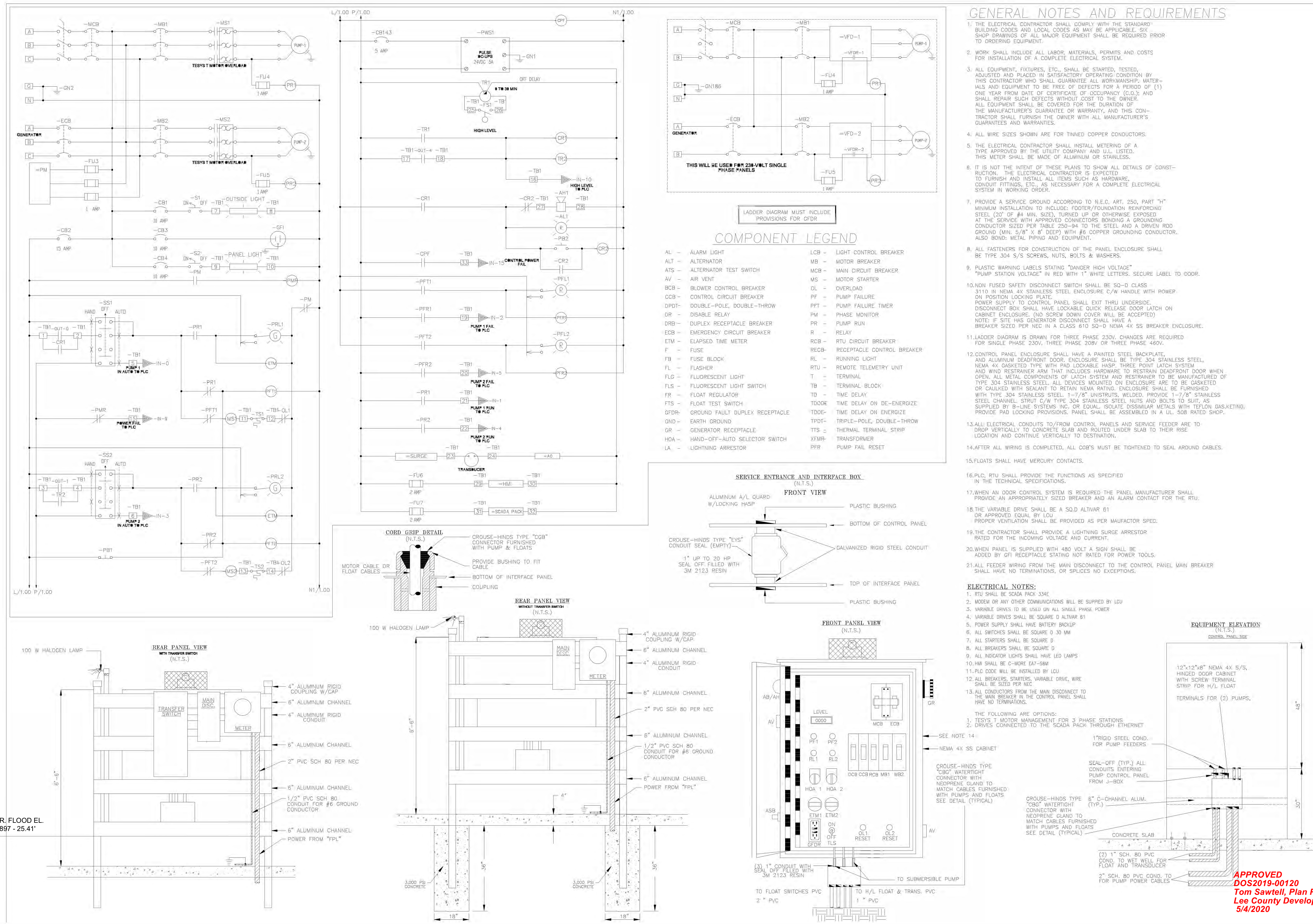
PUMP CURVE

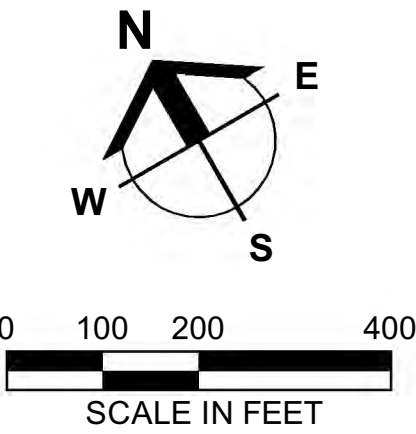


FLOW US GPM



APPROVED
DOS2019-00120
Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020





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PREPARED FOR

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CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966

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FAX (239) 931-4749

PROJECT DESCRIPTION

WildBlue

LEE COUNTY, FLORIDA

ENGINEER OF RECORD

TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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FILE NAME 23795A93.DWG

LOCATION: I:\23795\DWG\DO

LOT DATE	TUE 1 11 2000 0 51
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[illegible]

FLOT BY	SCOTT WHEELER JR
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CROSS REFERENCED DI

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PLAN REVISIONS

PLAN STATUS

APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

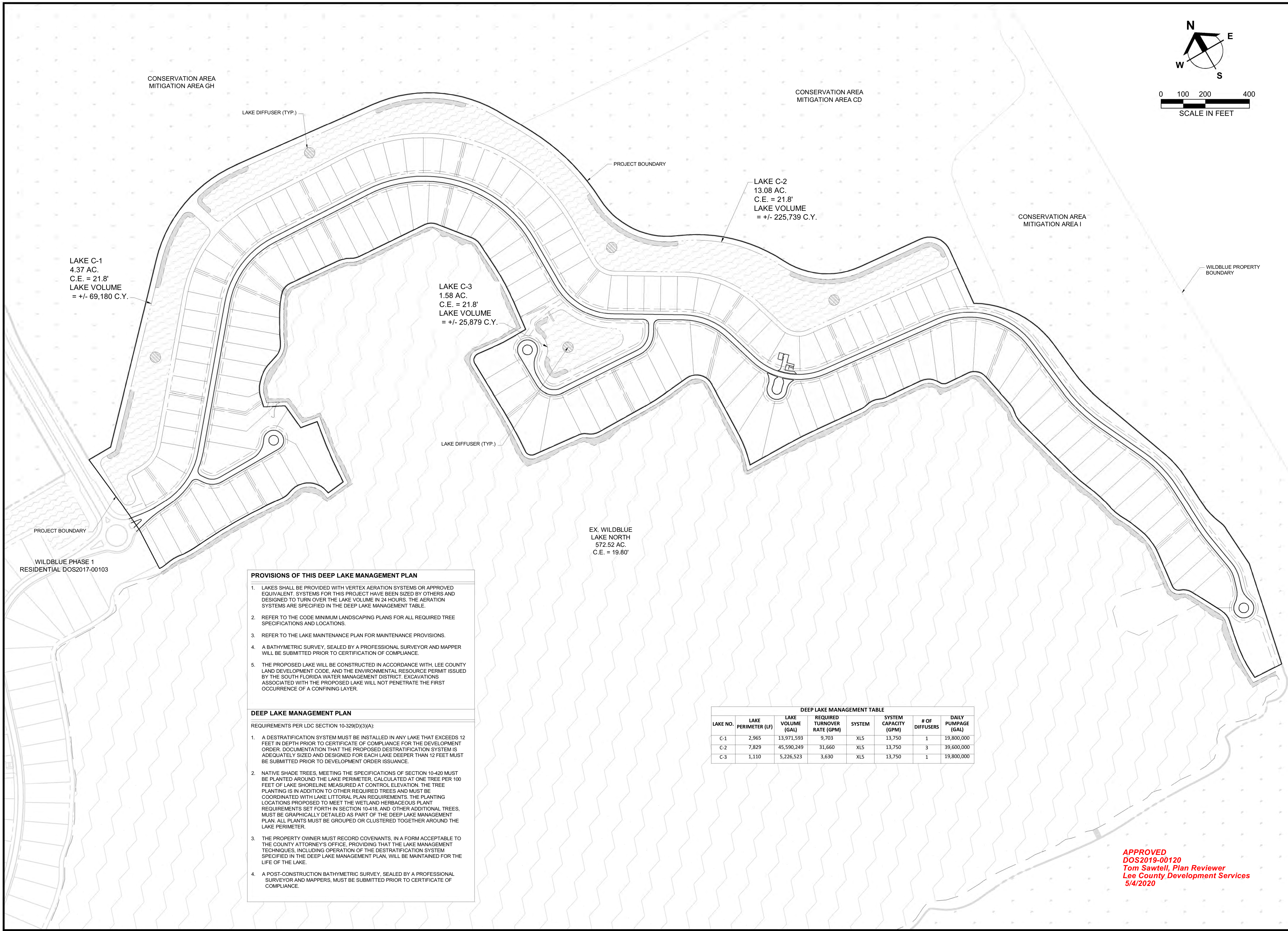
DEWATERING
PLANS

PROJECT / FILE NO.

SHEET NUMBER

23795

22.0



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ENGINEERING 7995 - SURVEYING LB-6940

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PROJECT DESCRIPTION

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ENGINEER OF RECORD
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LOCATION J:\23795\DWG\DO

PLOT DATE TUE, 1-14-2020 - 9:52 AM

PLOT BY SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS
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PLAN REVISIONS

PLAN STATUS

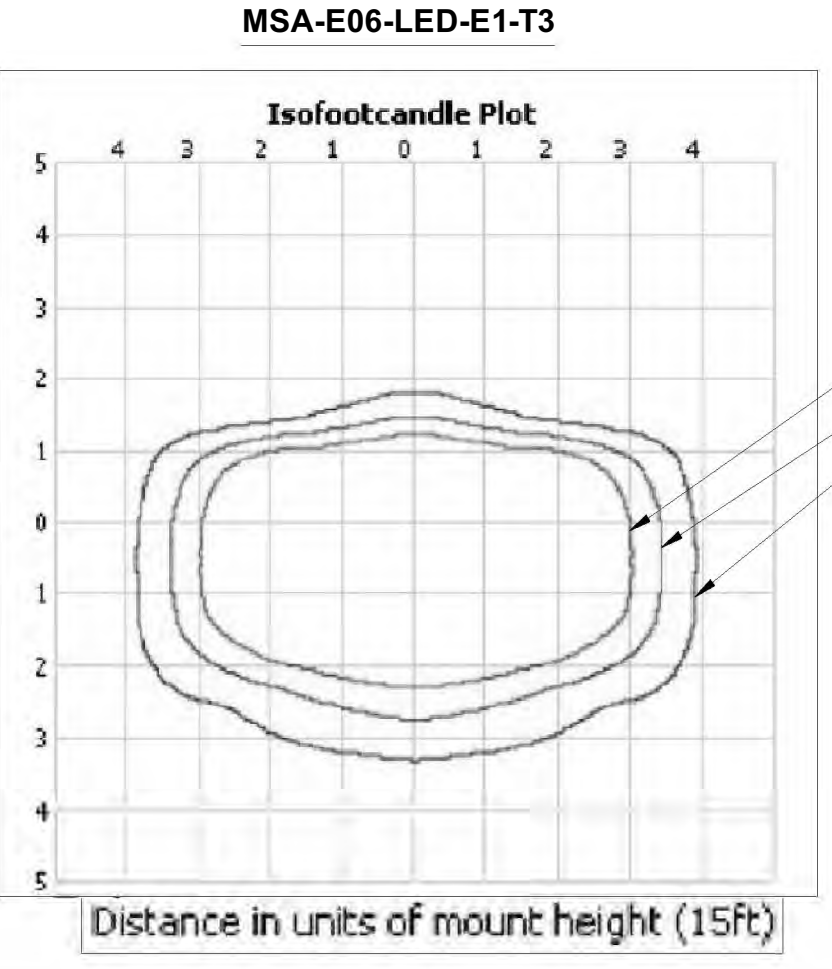
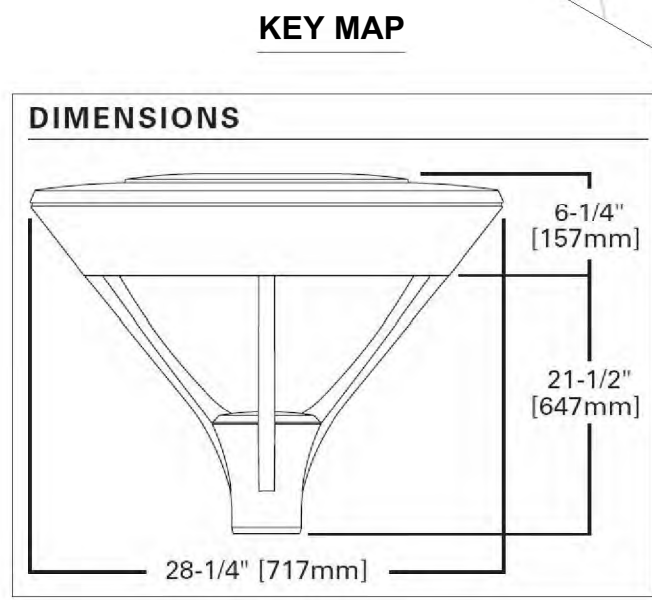
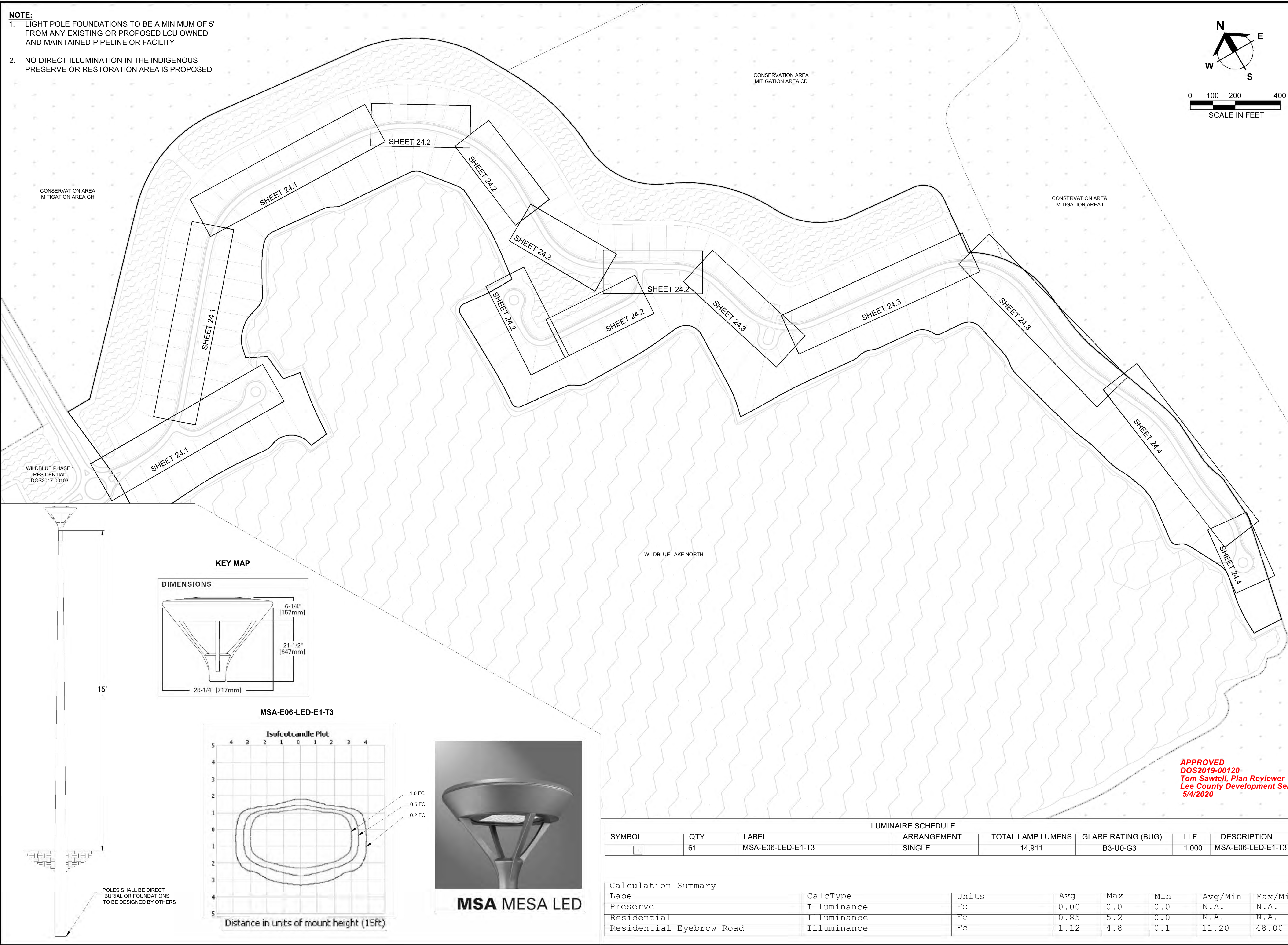
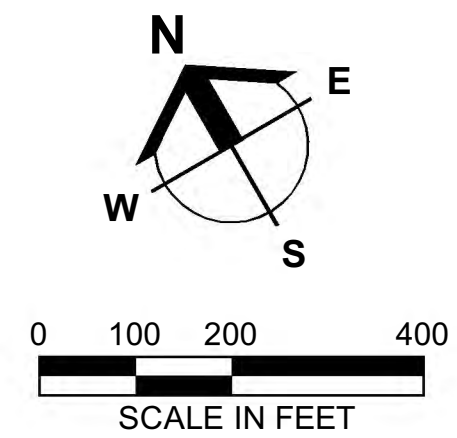
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**DEEP LAKE
MANAGEMENT
PLANS**

PROJECT / FILE NO.
23795

SHEET NUMBER
23.0

- NOTE:**
1. LIGHT POLE FOUNDATIONS TO BE A MINIMUM OF 5' FROM ANY EXISTING OR PROPOSED LCU OWNED AND MAINTAINED PIPELINE OR FACILITY
 2. NO DIRECT ILLUMINATION IN THE INDIGENOUS PRESERVE OR RESTORATION AREA IS PROPOSED



MSA MESA LED

APPROVED
DOS2019-00120
Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020

LUMINAIRE SCHEDULE						
SYMBOL	QTY	LABEL	ARRANGEMENT	TOTAL LAMP LUMENS	GLARE RATING (BUG)	LLF DESCRIPTION
•	61	MSA-E06-LED-E1-T3	SINGLE	14,911	B3-U0-G3	1.000 MSA-E06-LED-E1-T3

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Preserve	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
Residential	Illuminance	Fc	0.85	5.2	0.0	N.A.	N.A.
Residential Eyebrow Road	Illuminance	Fc	1.12	4.8	0.1	11.20	48.00

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PROJECT DESCRIPTION

WildBlue

LEE COUNTY, FLORIDA

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LOCATION J:\23795A\DWG\DWG

PLOT DATE TUE. 1-14-2020 - 9:53 AM

PLOT BY SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS
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SURVEY = 23372S00.DWG

PLAN REVISIONS

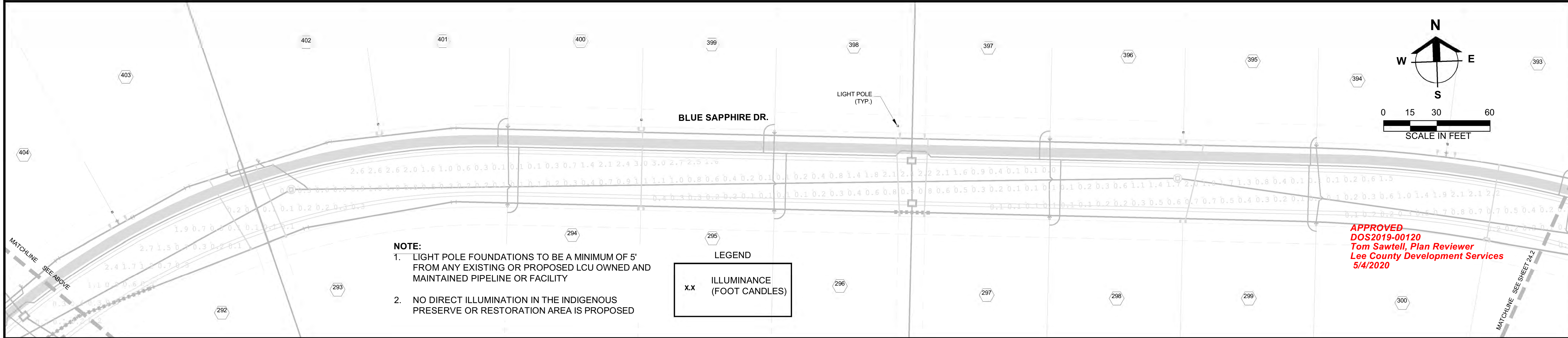
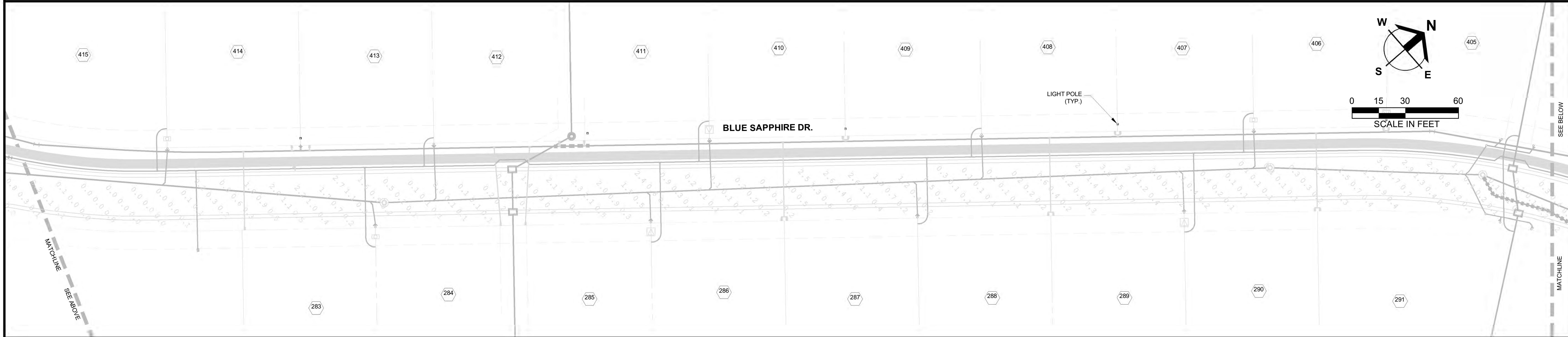
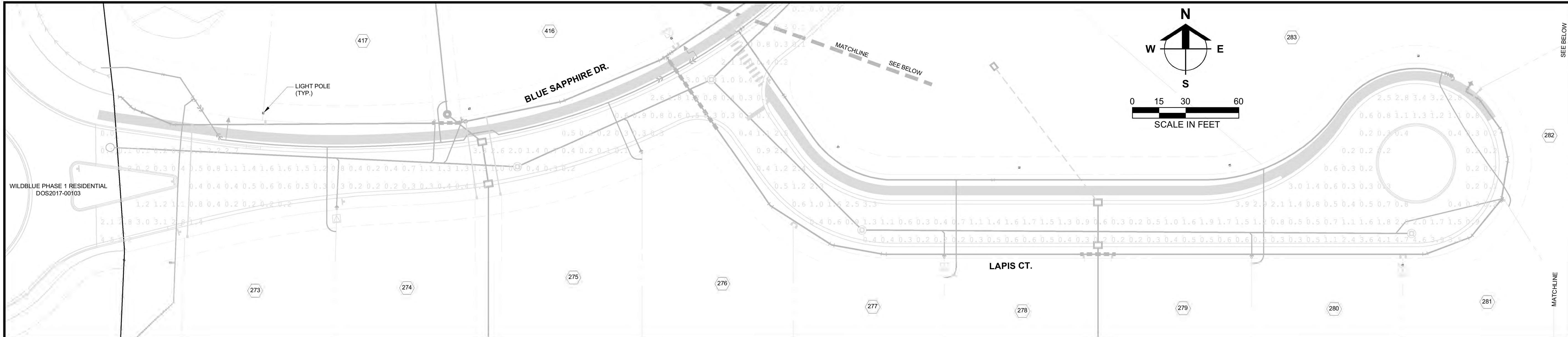
PLAN STATUS

APPROVAL SUBMITTAL PLANS
NOT FOR CONSTRUCTION

**LIGHTING PLAN
KEY MAP
& DETAILS**

PROJECT / FILE NO. **23795**

SHEET NUMBER **24.0**



- NOTE:**
1. LIGHT POLE FOUNDATIONS TO BE A MINIMUM OF 5' FROM ANY EXISTING OR PROPOSED LCU OWNED AND MAINTAINED PIPELINE OR FACILITY
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LEGEND

X.X	ILLUMINANCE (FOOT CANDLES)
-----	----------------------------

APPROVED
DOS2019-00120
Tom Sawtell, Plan Reviewer
Lee County Development Services
5/4/2020

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PROJECT DESCRIPTION

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LEE COUNTY, FLORIDA

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LOCATION = J:\23795A\DWG\DWG

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PLOT BY = SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS

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SURVEY = 23372S00.DWG

PLAN REVISIONS	

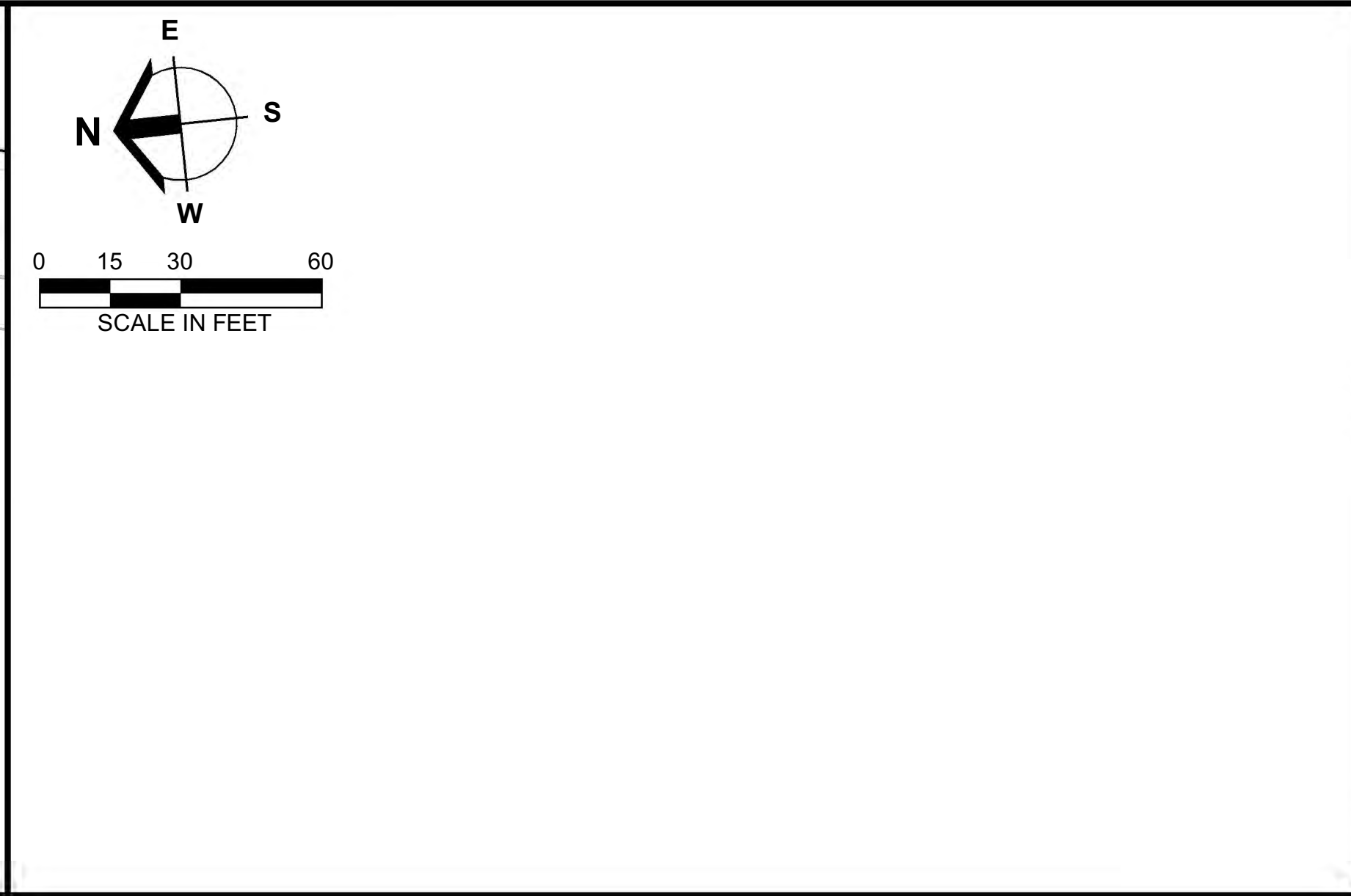
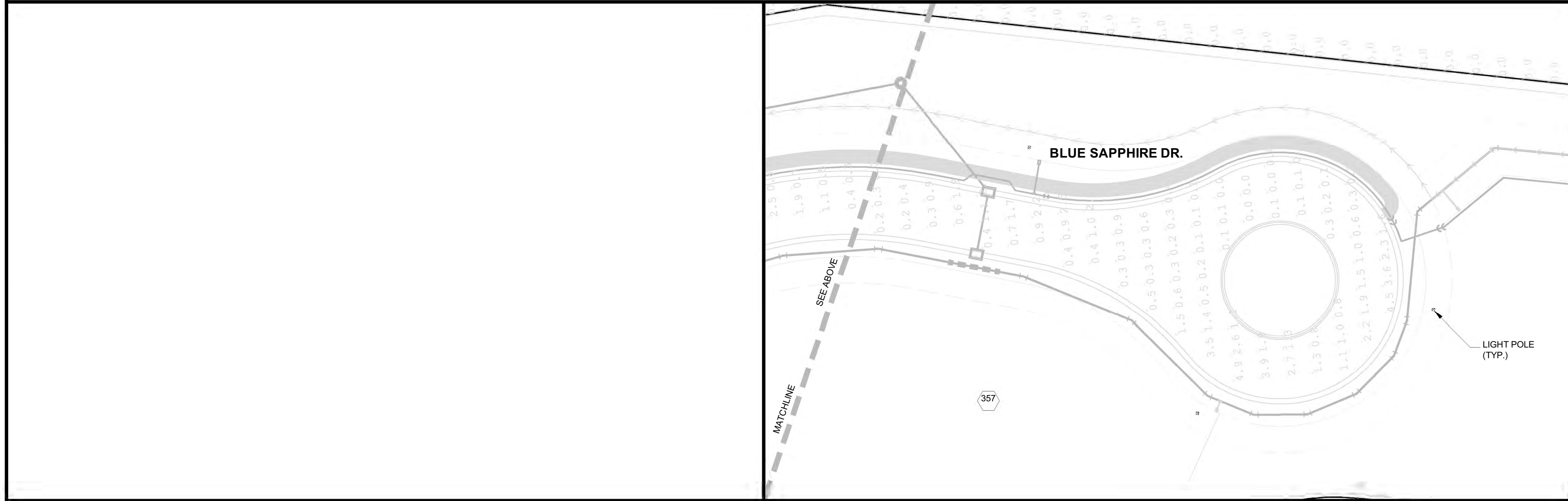
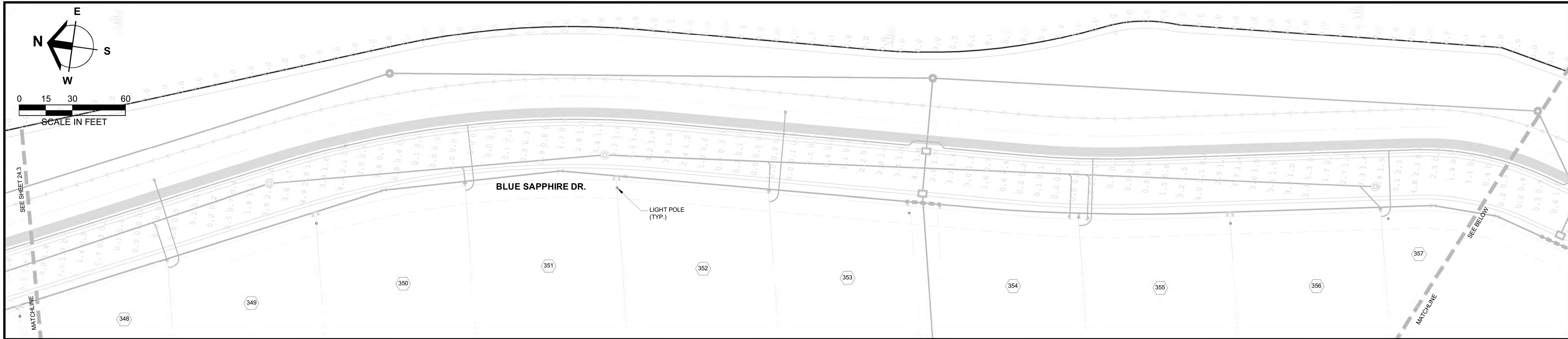
PLAN STATUS

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**STREET
LIGHTING PLANS**

PROJECT / FILE NO.	SHEET NUMBER
23795	24.1

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PREPARED FOR	
<div style="text-align: center;"></div>	
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PHONE (239) 278-1177 FAX (239) 931-4749	
PROJECT DESCRIPTION	
<div style="text-align: center;"></div>	
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PLOT BY : SCOTT WHEELER JR.	
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PLAN REVISIONS	
PLAN STATUS	
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STREET LIGHTING PLANS	
PROJECT / FILE NO.	SHEET NUMBER
23795	24.2



LEGEND

xx	ILLUMINANCE (FOOT CANDLES)
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PLOT BY	SCOTT WHEELER JR

CROSS REFERENCED DRAWINGS
BASEPLAN = 23795A00.DWG
SURVEY = 23372S00.DWG

PLAN REVISIONS

PLAN STATUS
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STREET LIGHTING PLANS	
PROJECT / FILE NO.	SHEET NUMBER
23795	24.4