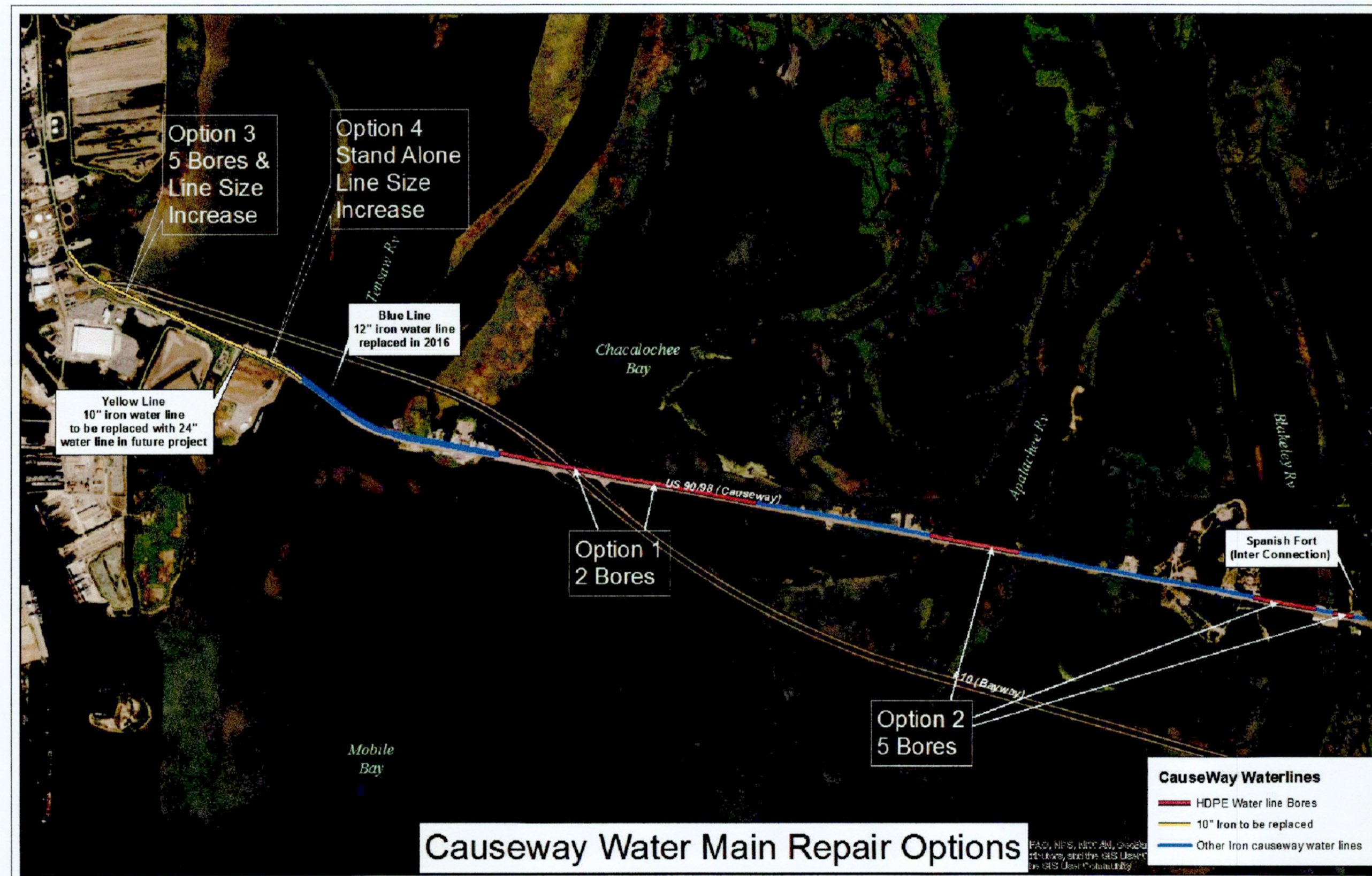


# THE BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE, ALABAMA

M&W PROJECT NO. M5712-2602

## MOBILE TO SPANISH FORT WATERLINE REPLACEMENT AND UPGRADE



### DRAWING INDEX SHEET DESCRIPTION

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PREPARED AND RECOMMENDED BY  
McCRORY AND WILLIAMS, INC.  
CONSULTING ENGINEERS

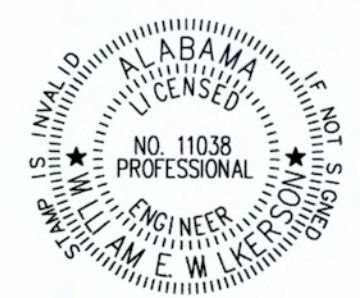
APPROVED W. E. Wilkerson DATE 8/29/17  
WILLIAM E. WILKERSON, P.E.

VICINITY MAP  
NOT TO SCALE

2017

**McCrory Williams**  
Engineers Surveyors  
3207 INTERNATIONAL DRIVE  
SUITE G  
MOBILE, ALABAMA 36606

**RECORD  
DRAWINGS**



## GENERAL NOTES

1. THE ENGINEER WILL REVIEW THE EXISTING UTILITIES, STRUCTURES, AND SPECIFIC LOCATION OF PIPING IN THE FIELD WITH CONTRACTOR BEFORE CONSTRUCTION BEGINS. THESE DRAWINGS DO NOT PURPORT TO SHOW IN COMPLETE DETAIL ALL EXISTING STRUCTURES, UTILITIES, OR PIPING. THE CONTRACTOR SHALL EXAMINE ALL AVAILABLE RECORDS AND MAKE ALL EXCAVATIONS AND EXPLORATIONS AS REQUIRED TO DETERMINE THE LOCATION OF EXISTING STRUCTURES, UTILITIES, AND PIPES WHENEVER NECESSARY.
2. CONTRACTOR SHALL SCHEDULE HIS WORK SO THAT THE WORK PROCEEDS IN AN EFFICIENT AND ORDERLY MANNER WITHOUT DISRUPTION OF UTILITY SERVICE TO THE OWNER. THE CONTRACTOR SHALL BE AWARE THAT THE WORK TO BE ACCOMPLISHED IS PART OF AN EXISTING AND OPERATING POTABLE SYSTEM. ALL CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER IN ORDER TO MINIMIZE OPERATIONAL PROBLEMS.
3. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE DONE BY HIS EQUIPMENT TO EXISTING UTILITIES, CROSS-DRAIN PIPES, BOX CULVERTS AND HEADWALLS.
4. ALL PROPERTY LINE MARKERS (IRON PINS, CONCRETE MONUMENTS, ETC.) DESTROYED DURING CONSTRUCTION SHALL BE REPLACED IN KIND BY CONTRACTOR AT NO ADDITIONAL COST TO CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF ALABAMA TO RESET PROPERTY MARKERS.
5. ALL ROADWAY SHOULDERS DISTURBED DURING CONSTRUCTION SHALL BE GRASSED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS IMMEDIATELY AFTER EXCAVATION IS COMPLETE OR PIPE IS IN PLACE.
6. CONTRACTOR SHALL EXPLORE AHEAD 200 FEET SO ADJUSTMENTS CAN BE MADE IN THE ALIGNMENT OF THE PIPE IN CASE OF CONFLICTS WITH EXISTING STRUCTURES, UTILITIES AND PIPING.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FLOWS THROUGH EXISTING PIPING, CHANNELS AND STRUCTURES AND DIVERSION OF FLOWS AS NECESSARY DURING CONSTRUCTION UNDER THIS CONTRACT.
8. CONTRACTOR SHALL PROVIDE, AT NO ADDITIONAL COST TO THE OWNER, ALL NECESSARY LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS AS REQUIRED TO ACCOMPLISH THE INTENT OF WORK SHOWN ON THE DRAWINGS AND AS SPECIFIED.
9. CONCRETE & ASPHALT DRIVEWAYS CUT DURING CONSTRUCTION SHALL BE REPAIRED IN ACCORDANCE WITH CONTRACT SPECIFICATIONS AND THESE DRAWINGS.
10. THE JOB SITE SHALL BE KEPT CLEAN AT ALL TIMES. LOOSE DIRT SHALL NOT BE ALLOWED TO CLOG DITCHES OR COVER SIDEWALKS. SOFT CLAY OR OTHER UNDESIRABLE MATERIAL REMOVED FROM TRENCHES SHALL BE REMOVED FROM STREETS, SIDEWALKS, OR DITCHES. THE OWNER RESERVES THE RIGHT TO DEMAND THAT THE CONTRACTOR'S FORCES BE DIVERTED TO THIS CLEAN-UP AT ANY TIME THAT CONDITION OF STREETS, DRIVEWAYS, SIDEWALKS, OR PRIVATE PROPERTY WARRANTS SUCH DIVERSION. SUCH DIVERSION OF CONTRACTOR'S FORCES WILL NOT ENTITLE THE CONTRACTOR TO ANY EXTENSION OF TIME OR ADDITIONAL COMPENSATION.
11. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS BOTH TO PREVENT SILT AND/OR ERODED MATERIALS EXCAVATED ON THIS PROJECT FROM BEING DEPOSITED ON PRIVATE PROPERTIES ADJACENT TO THE PROJECT AND TO PREVENT EXCAVATED SOIL ON THIS PROJECT FROM WASHING INTO ALL CREEKS, BRANCHES OR STREAMS. THE CONTRACTOR SHALL USE SILT CURTAINS OR OTHER MEANS AND SHALL SUBMIT EROSION AND SEDIMENT CONTROL PLANS FOR ENGINEER APPROVAL. ALL EROSION AND SEDIMENTATION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE "BEST MANAGEMENT PRACTICES" AS PREPARED BY ADEM AND EPA AND WITH THE CONTRACT SPECIFICATIONS.
12. CONTRACTOR SHALL CALL 1-800-292-8525 FOR THE LOCATION OF UTILITIES A MINIMUM OF 48 HOURS PRIOR TO STARTING THE WORK.

13. ALL UTILITY CONSTRUCTION WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE INDUSTRY CODES OR STANDARDS. THESE CODES AND STANDARDS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: AMERICAN WATER WORKS ASSOCIATION (AWWA), AMERICAN NATIONAL STANDARD INSTITUTE (ANSI), AMERICAN RAILWAY ENGINEERING ASSOCIATION (AREA), AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS AASHTO), ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM), DUCTILE IRON PIPE RESEARCH ASSOCIATION (DIPRA), STATE OF ALABAMA HIGHWAY DEPARTMENT (SAHD), AND ENVIRONMENTAL PROTECTION AGENCY (EPA).
14. OMIT
15. SEWERS SHALL BE AT LEAST 5 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. ALL DISTANCES SHALL BE MEASURED FROM EDGE TO EDGE. WHERE POSSIBLE, INSTALL SEWER PIPE SUCH THAT THE TOP ELEVATION OF THE SEWER LINE IS A MINIMUM OF 18 INCHES BELOW THE BOTTOM ELEVATION OF THE WATER LINE. WHERE CROSSINGS ARE NECESSARY, ENCASE THE SEWER PIPE WITH A CONTINUOUS STEEL PIPE OF SUFFICIENT LENGTH, LOCATED SUCH THAT A MINIMUM FIVE-FOOT SEPARATION EXISTS BETWEEN END OF THE CASING PIPE FOR THE SEWER PIPE AND THE UNCASED WATER PIPE.
16. WHERE WATER LINE IS LAID IN LAWNS, CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND PRESERVING EXISTING AND AFFECTED SOD, PLANTS, AND SHRUBS. CONTRACTOR WILL ALSO BE REQUIRED TO PROVIDE PRE CONSTRUCTION PHOTOGRAPHS TO INCLUDE DOCUMENTATION OF THE EXISTING CONDITIONS WITHIN THE RIGHT OF WAY. AFTER LAYING THE WATER LINE, CONTRACTOR SHALL REINSTALL ALL REMOVED SOD, PLANTS, AND SHRUBS TO THEIR ORIGINAL CONDITION OR BETTER. ANY SOD, PLANTS, OR SHRUBS DAMAGED BY CONTRACTOR'S REMOVAL OF SAME SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER, AFFECTED LANDOWNER(S). WHERE SOD, PLANTS, & SHRUBS ARE WITHIN THE ROW.
17. AGGREGATE SURFACING SHALL BE USED FOR MAINTAINING UNPAVED TURNOUTS DURING CONSTRUCTION. THIS MATERIAL SHALL BE VISUALLY INSPECTED BY THE ENGINEER. CONTRACTOR TO MAINTAIN THE CONDITION OF THE AGGREGATE SURFACING AND MINIMIZE TRACKING.
18. OMIT
19. TURNOUTS SHALL BE MAINTAINED FOR LOCAL TRAFFIC AT ALL TIMES. AT LEAST ONE ACCESS TO BUSINESS & RESIDENCES SHALL BE MAINTAINED DURING CONSTRUCTION.
20. EXISTING CONCRETE GUTTER SHOULD BE CLEANED AND MATERIAL REMOVED OR PLACED NEATLY ON THE SHOULDERS PRIOR TO PAVING. JOINTS IN THE CURB & GUTTER SHOULD BE TREATED W/ A HERBICIDE. INLETS SHOULD BE CLEANED OF DEBRIS. ALL OF THIS WORK SHALL BE PAID FOR AS A SUBSIDIARY OBLIGATION OF OTHER PAY ITEMS
21. ALL VEHICLES, EQUIPMENT, & PERSONNEL, & THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS AUTHORIZED BY THE ENGINEER.

22. CONTRACTOR WILL INSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR REGRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE AT ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.

### SITE CONSTRUCTION NOTES

1. ALL CONCRETE SHALL BE CLASS A, 3,000 PSI AT 28 DAYS COMPRESSIVE STRENGTH WITH A MAXIMUM SLUMP OF 4" UNLESS NOTED OTHERWISE.
2. ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE ENGINEER.
3. ALL DIMENSIONS ARE AS NOTED.
4. NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY PER MANUAL PROTECTION AND ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION.
5. HIGH INTENSITY LIGHTING FACILITIES SHALL BE SO ARRANGED THAT THE SOURCE OF ANY LIGHT IS CONCEALED FROM PUBLIC VIEW AND FROM ADJACENT RESIDENTIAL PROPERTY AND DOES NOT INTERFERE WITH TRAFFIC.
6. CONTRACTOR SHALL MAINTAIN ACCESS FOR EMERGENCY VEHICLES AROUND AND TO ALL BUILDINGS NEAR CONSTRUCTION; I.E. IN TIMES OF RAIN OR MUD, ROADS SHALL BE ABLE TO CARRY A FIRE TRUCK BY BEING PAVED OR HAVING A CRUSHED STONE BASE, ETC. WITH A MINIMUM WIDTH OF 20 FEET. THIS ACCESS TO BUILDINGS THAT HAVE SPRINKLER OR STANDPIPE SYSTEMS SHALL BE TO WITHIN 40 FEET OF THE FIRE DEPARTMENT CONNECTOR. (NFPA 1141 3-1).
7. OMIT
8. OMIT
9. OMIT
10. PRIOR TO CONSTRUCTION, IT SHALL BE THE CONTRACTOR RESPONSIBILITY TO PREPARE, FOR APPROVAL BY THE PROJECT ENGINEER, A DETAILED AND COMPREHENSIVE EROSION AND SILTATION CONTROL PLAN THAT COVER ALL PHASES OF CONSTRUCTION. CONTRACTOR SHALL SUBMIT TO THE MOBILE COUNTY ROW DEPT. PRIOR TO ISSUANCE OF PERMIT.
11. ALL PERMITS REQUIRED FOR COMPLETION OF CONSTRUCTION SHALL BE FURNISHED AND OBTAINED BY CONTRACTOR. PRIOR TO BEGINNING WORK.
12. EXISTING STREET AND ROAD NAMES SIGNS IN THE PROJECT AREA SHALL BE KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLE TRAFFIC.
13. CONTRACTOR WILL BE REQUIRED TO COORDINATE CONSTRUCTION EFFORTS WITH OTHER CONTRACTORS THAT HAVE BEEN AWARDED CONTRACTOR CONTRACTS WITH IN THE LIMITS OF THIS PROJECT. IN ADDITION, THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATION OF ALL CONSTRUCTION SCHEDULES. ALL COSTS INCURRED BY THE CONTRACTOR FOR THE COORDINATION EFFORTS WILL BE INCIDENTAL TO EXISTING PAY ITEMS.

14. OMIT
15. IF CONTRACTOR ACTIVITY CAUSES DAMAGE TO EXISTING ROAD SURFACES NOT DESIGNATED FOR REPLACEMENT IN THESE PLANS, HE SHALL REPLACE THE DAMAGED AREAS AT HIS EXPENSE AND MAY BE REQUIRED TO REPLACE THE ENTIRE SURFACE OF THE STREET. THE REPLACEMENT SHALL BE IN ACCORDANCE WITH THE COUNTY'S ORDINANCE.
16. ANY DEWATERING ACTIVITIES BY THE CONTRACTOR SHALL REQUIRE THE DISCHARGE WATER TO BE ROUTED THROUGH A STILLING BOX. THE WATER SHALL THEN BE DISCHARGED INTO A SANITARY SEWER MANHOLE AT A CONTROLLED RATE SUCH THAT THE CAPACITY OF THE SEWER LINE IS NOT EXCEEDED.
17. OMIT
18. ALL PAVEMENT MARKINGS REPLACED SHALL BE THERMOPLASTIC

### TRAFFIC CONTROL NOTES

1. MAWSS/CONTRACTOR SHALL BE RESPONSIBLE FOR STRICT COMPLIANCE WITH PART VI OF THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION AND SHALL HOLD HARMLESS THE ENGINEER, MOBILE COUNTY AND OWNER AGAINST ALL LIABILITY, CLAIM OF LIABILITY, LOSS, COST OR DAMAGE, INCLUDING DEATH, AND LOSS OF SERVICES, ON ACCOUNT OF ANY INJURY TO PERSONS OR PROPERTY, OCCURRING FROM ANY CAUSE WHATSOEVER AS A RESULT OF CONSTRUCTION ACTIVITY INVOLVED IN THIS PROJECT, AND WILL, AT HIS EXPENSE, DEFEND ON BEHALF OF THE ENGINEER, CITY OF MOBILE, MOBILE COUNTY AND OWNER, THEIR OFFICERS AND EMPLOYEES, EITHER OR ALL, ANY SUIT BROUGHT AGAINST THEM OR ANY OF THEM, ARISING FROM ANY SUCH CAUSE.
2. MAWSS/CONTRACTOR SHALL HAVE AVAILABLE ADEQUATE PERSONNEL AND EQUIPMENT FOR TRAFFIC CONTROL AND SHALL NOT PERFORM ANY WORK WITHIN THE COUNTY/CITY RIGHT-OF-WAY WHEN ADEQUATE PERSONNEL AND EQUIPMENT ARE NOT AVAILABLE AT THE JOB SITE.
3. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED AT THE COMPLETION OF THE WORK WHEN THE WORK AREA IS OPENED TO TRAFFIC.
4. ANY OBSTACLES OR HAZARDS WITHIN THE WORK AREA SHALL BE MARKED IN ACCORDANCE WITH MUTCD, PART VI (CURRENT EDITION).
5. MAWSS/CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE COUNTY ENGINEER (FOR APPROVAL PRIOR TO STARTING WORK IN THE COUNTY RIGHT OF WAY.)

RECORD  
DRAWINGS

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE	HORIZ  VERT  NOT TO SCALE SCALE (FEET)	MOBILE TO SPANISH FORT WATERLINE REPLACEMENT & UPGRADES	SHEET
DATE:	DATE:	DATE:			2 OF 32	

ALABAMA DEPARTMENT OF TRANSPORTATION—RIGHT OF WAY NOTES

1. OMIT
2. ALL MANHOLES, VALVE BOXES, AND HAND HOLES SHOULD BE FLUSH WITH EXISTING GROUND.
3. CONTACT DISTRICT MANAGER 48 HOURS PRIOR TO BEGINNING WORK ON ALDOT RIGHT OF WAY. THE DISTRICT MANAGERS FOR THE REGION ARE AS FOLLOWS:  
  
AREA - 9  
 (91) MOBILE COUNTY - FRANKIE SMITH, (251) 470-8322  
 (92) BALDWIN COUNTY - KEVIN JONES, (251) 937-2086  
 (93) ESCAMBIA AND CONECHU COUNTIES - BRENT MADDOX, (251) 578-7540
4. WRITE LETTER REQUESTING TO MEET WITH DISTRICT MANAGER UPON COMPLETION OF PERMITTED WORK TO EVALUATE PUNCH LIST FOR COMPLETION OF PROJECT.
5. IF APPLICABLE, THE BOND ASSOCIATED WITH THE PERMIT WILL BE GOOD FOR ONE FULL YEAR AFTER THE WORK IS ACCEPTED BY THE DEPARTMENT.
6. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2009 EDITION. (IF PROJECT NECESSITATES LAND CLOSER, LANE CLOSURE MUST BE MADE PART OF THE PERMIT.)
7. OMIT.
8. ONSITE REPRESENTATIVES WILL HAVE ON HAND, AT ALL TIMES:  
  
 (1) APPROVED PERMIT AND PLANS STAMPED BY THE REGION ENGINEER  
 (2) TRAFFIC CONTROL PLANS  
 (3) EROSION CONTROL PLANS
9. ALL DISTURBED AREAS WILL BE RESODDED OR SEEDED AS DIRECTED BY THE DEPARTMENT OF TRANSPORTATION'S DISTRICT MANAGER.
10. ALL WORK WILL MEET OR EXCEED ALDOT SPECIFICATIONS.
11. ALL WORK ON THE ROW WILL BE IN CONFORMANCE WITH THE LATEST EDITION OF ALDOT STANDARD SPECIFICATIONS.
12. ELECTRIC POWER AND COMMUNICATION FACILITIES WILL CONFORM WITH THE CURRENT APPLICABLE NATIONAL ELECTRICAL SAFETY CODE.
13. A BEST MANAGEMENT PLAN SHALL AT MINIMUM RETURN ALL EXPOSED AREAS TO ORIGINAL OR BETTER CONDITION WITH A GOOD STAND OF GRASS AND /OR SOD. SILT FENCE AND OTHER EROSION CONTROL ITEMS NEEDED SHALL BE USED TO PREVENT EROSION. (NO HAYBALES ARE ALLOWED IN R/W)
14. OMIT
15. ALL INSTALLATIONS THAT REQUIRE BORE PITS MUST STATE / DEPICT BORE PIT DIMENSIONS.
16. ABSOLUTELY NO BORE PITS SHALL BE ALLOWED TO BE UNFILLED AND / OR UNCOVERED OVERNIGHT UNLESS PROTECTED. (BORE PITS HAVE A MAXIMUM OF 72 HOURS TO BE OPEN BEFORE FILLED)
17. UPON COMPLETION & ANY TIME THEREAFTER, ALDOT RETAINS THE RIGHT TO REQUEST AN AS-BUILT PROFILE ON ANY BURIED UTILITIES IN SAID DEPARTMENT'S ROW.
18. WARNING: DO NOT DISTURB SURVEY MARKERS LOCATED ON ALDOT RIGHT OF WAY. ANY PROPERTY MARKERS DISTURBED DURING CONSTRUCTION SHALL BE RE-ESTABLISHED BY AN ALABAMA LICENSED PROFESSIONAL LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
19. OMIT
20. WATER LINES WILL CONFORM WITH THE CURRENTLY APPLICABLE SECTIONS OF AMERICAN WATER WORKS ASSOCIATION.

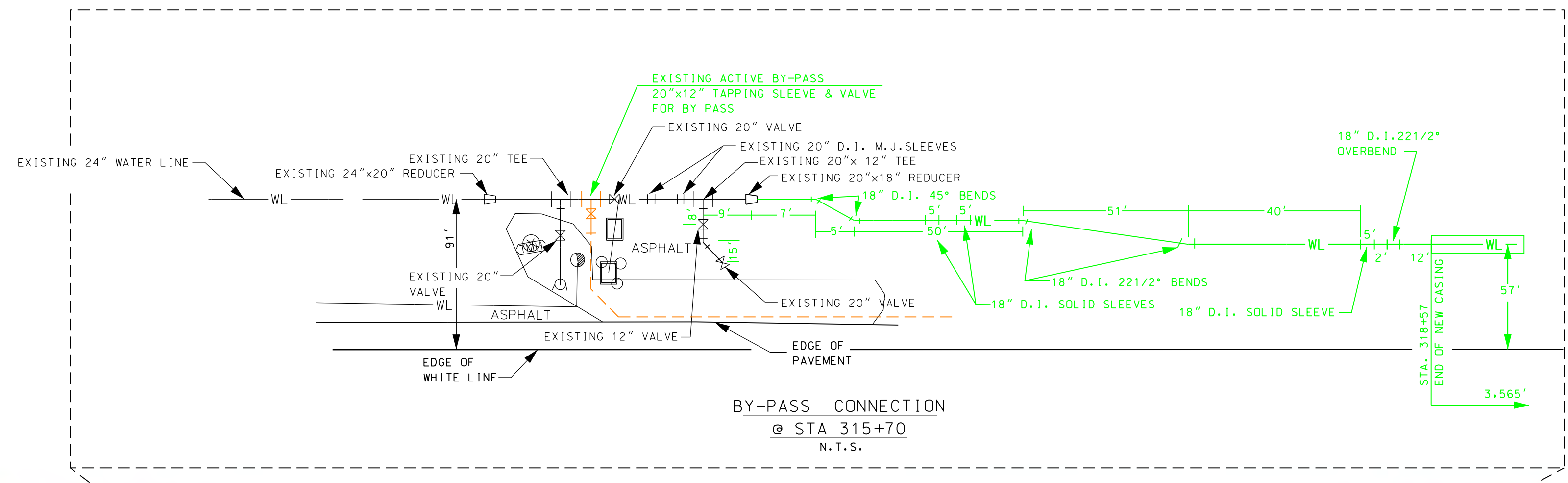
21. PRESSURE PIPE LINES WILL CONFORM WITH THE CURRENTLY APPLICABLE SECTIONS OF ALABAMA NATIONAL STANDARDS INSTITUTE (ANSI)
22. AS REQUIRED BY ALABAMA ACT 94-487: CALL TWO WORKING DAYS BEFORE EXCAVATION 1-800-292-8525, ALABAMA LINE LOCATE CENTER, INC.
23. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY OWNERS AND DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES ON THIS PROJECT, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
24. THE CONTRACTOR SHALL BE RESPONSIBLE OF ANY ORNAMENTAL VEGETATIVE LANDSCAPING (SHRUBS, FLOWERS, ORNAMENTAL GRASS, ETC.) DISTURBED DURING CONSTRUCTION AND SHALL BE REPLACED, TRANSPLANTED OR RESODDED AS DIRECTED BY THE ALABAMA DEPARTMENT OF TRANSPORTATION DISTRICT MANAGER.
25. ALL FILL MATERIAL OR ONSITE DEBRIS DEPOSITED IN THE RIGHT OF WAY SHALL BE REMOVED PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SOLID WASTE (I.E., WOOD, STUMPS, ETC.) TO BE DISPOSED OF AND MUST BE IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM).
27. PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE, SUCH AS HISTORICAL STRUCTURES, TREES, DRAINS, WATER OR GAS PIPES, POLES, WALL, ETC. ARE NOT TO BE DISTURBED UNLESS NOTED AND APPROVED BY SHPO, ALDOT, ADEM, EPA, ETC.
28. CLEAN UP STREETS IMMEDIATELY AFTER CONCRETE OR OTHER DELIVERY TRUCKS LEAVE THE SITE. MUD AND DEBRIS ARE TO BE KEPT OFF STREETS, INLETS, DITCHED, ETC.
29. FUEL TANKS SHALL NOT BE STORED ON THE RIGHT OF WAY OVERNIGHT. VEHICLES TRANSPORTING FUEL, CHEMICALS, FERTILIZERS, ETC. ONTO RIGHT OF WAY SHALL NOT BE LEFT UNATTENDED.
30. PROMPTLY NOTIFY ENGINEER AND ALDOT OF ANY PERCEIVED CONFLICTS, AMBIGUOUS ITEMS OR DEFICIENCIES IN THE PLANS, SPECIFICATIONS, GENERAL NOTES OR RELATED CONTRACT DOCUMENTS.
31. ALL INGRESS AND EGRESS TO WORKSITE SHALL BE FROM APPLICANT'S PROPERTY. NO ACCESS SHALL BE GRAINED FROM THE INTERSTATE ROW. EQUIPMENT AND MATERIALS SHALL NOT BE STORED ON INTERSTATE ROW.

ANTICIPATED SEQUENCE OF CONSTRUCTION

1. MOBILIZATION
2. UTILITY LOCATES / CONSTRUCTION STAKING
3. TRAFFIC CONTROL FOR CONSTRUCTION
4. MATERIAL DELIVERY AND STOCKPILE
5. POT HOLING EXISTING UTILITIES
6. EROSION CONTROL / CBMPS IN PLACE
7. DIRECTIONAL BORE OPERATIONS
8. OPEN-CUT OPERATIONS
9. BORE OPERATIONS UNDER PAVED DRIVES
11. INSTALL CONNECTIONS TO EXISTING SYSTEM
12. INSTALL CONNECTIONS OF NEW SERVICES
13. TESTING OF PIPE (HYDROSTATIC)
14. DISINFECTION AND BAC-T TEST PIPE
15. MAKE FINAL TIE-IN CONNECTION
16. PUT NEW WATER LINE IN SERVICE
17. RESTORE DISTURBED GROUND SURFACES TO FINAL STABILIZED CONDITIONS
18. REMOVE TRAFFIC CONTROL
19. REMOVE EROSION CONTROL
20. DEMOBILIZE

**RECORD  
DRAWINGS**

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE	HORIZ 0 NOT SCALE (FEET)	VERT 0 SCALE	MOBILE TO SPANISH FORT WATERLINE REPLACEMENT & UPGRADES	SHEET
DATE:	DATE:	DATE:			3 OF 32		



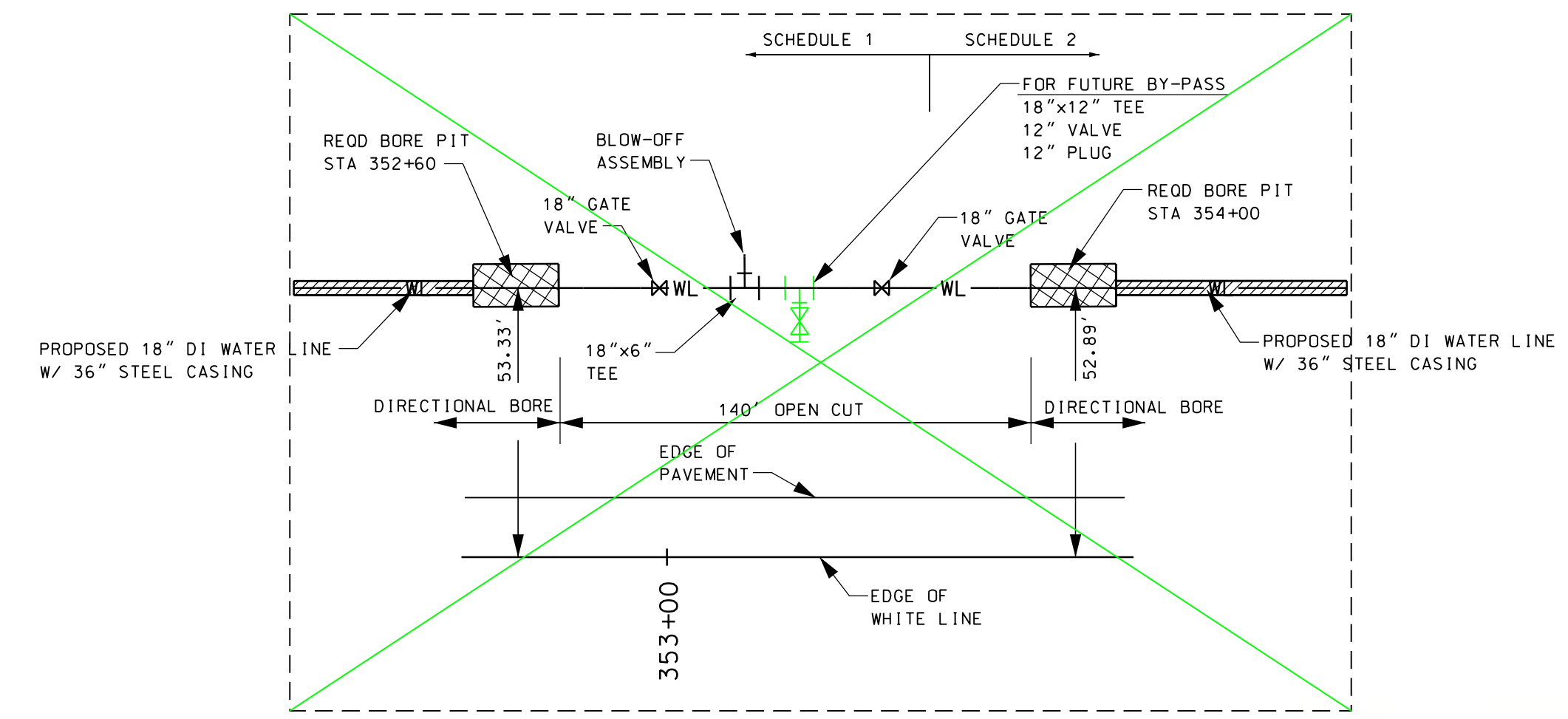
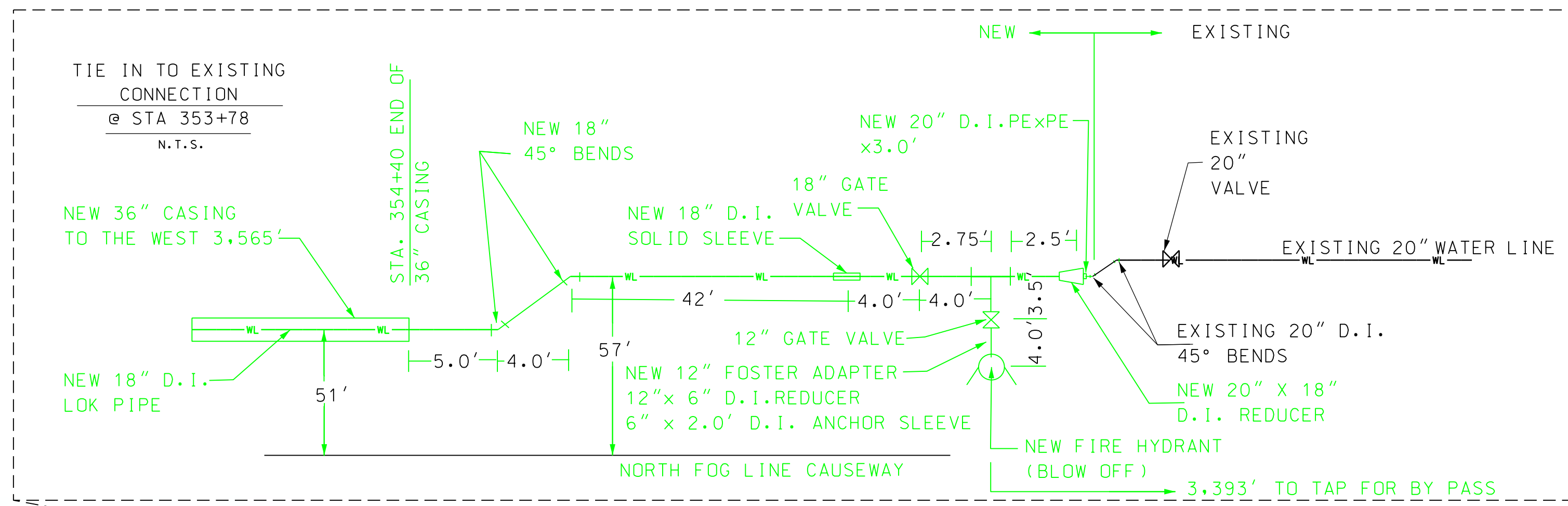
**RECORD  
DRAWINGS**

**LEGEND**

EXISTING		PROPOSED	
GAS MAIN	---	CONC. MONUMENT	⊠
EXISTING WATER LINE	WL	IRON PIN	○
FIBER OPTIC CABLE	- - - - -	POWER POLE	■
BURIED TELEPHONE	BT	GUY	▲
OVERHEAD ELECTRICAL	OE	TELEPHONE PEDISTAL	●
FENCING	X X X X	SIGN	⋈
WETLAND TO BE DISTURBED	▨	TREE	⊛
DRAINAGE PIPE	---	SHRUB	⊙
RIGHT OF WAY	---	AIR & VACUUM VALVE	⊠
WATER VALVE	⊠	GAS MARKER	○
WATER METER	⊙		
		PROPOSED WATER MAIN	WL
		DIRECTIONAL BORE	▨
		WATER VALVE	⊠
		FIRE HYDRANT	●
		BORE PIT	⊠

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE	HORIZ VERT 	PLAN SHEET (OPTION 1) MOBILE TO SPANISH FORT WATERLINE REPLACEMENT & UPGRADES	SHEET 8 OF 32
DATE:	DATE:	DATE:				

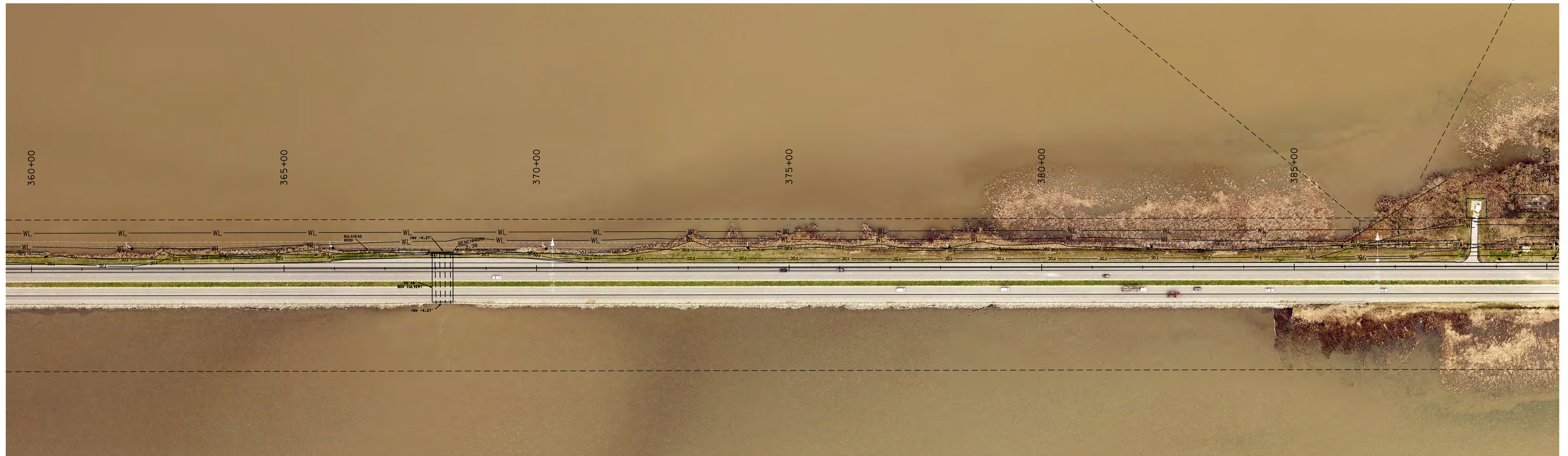
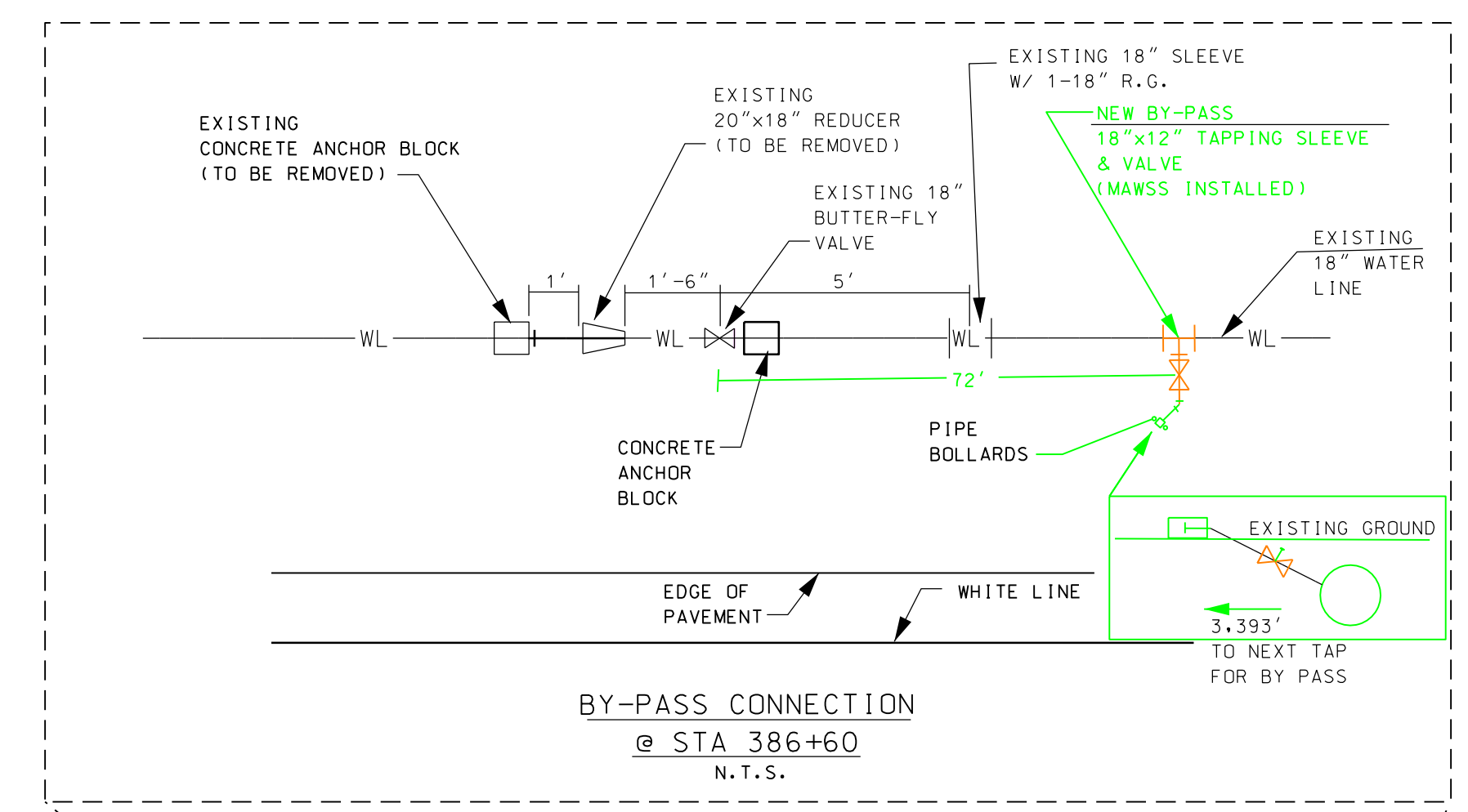
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RECORD  
DRAWINGS

**LEGEND**

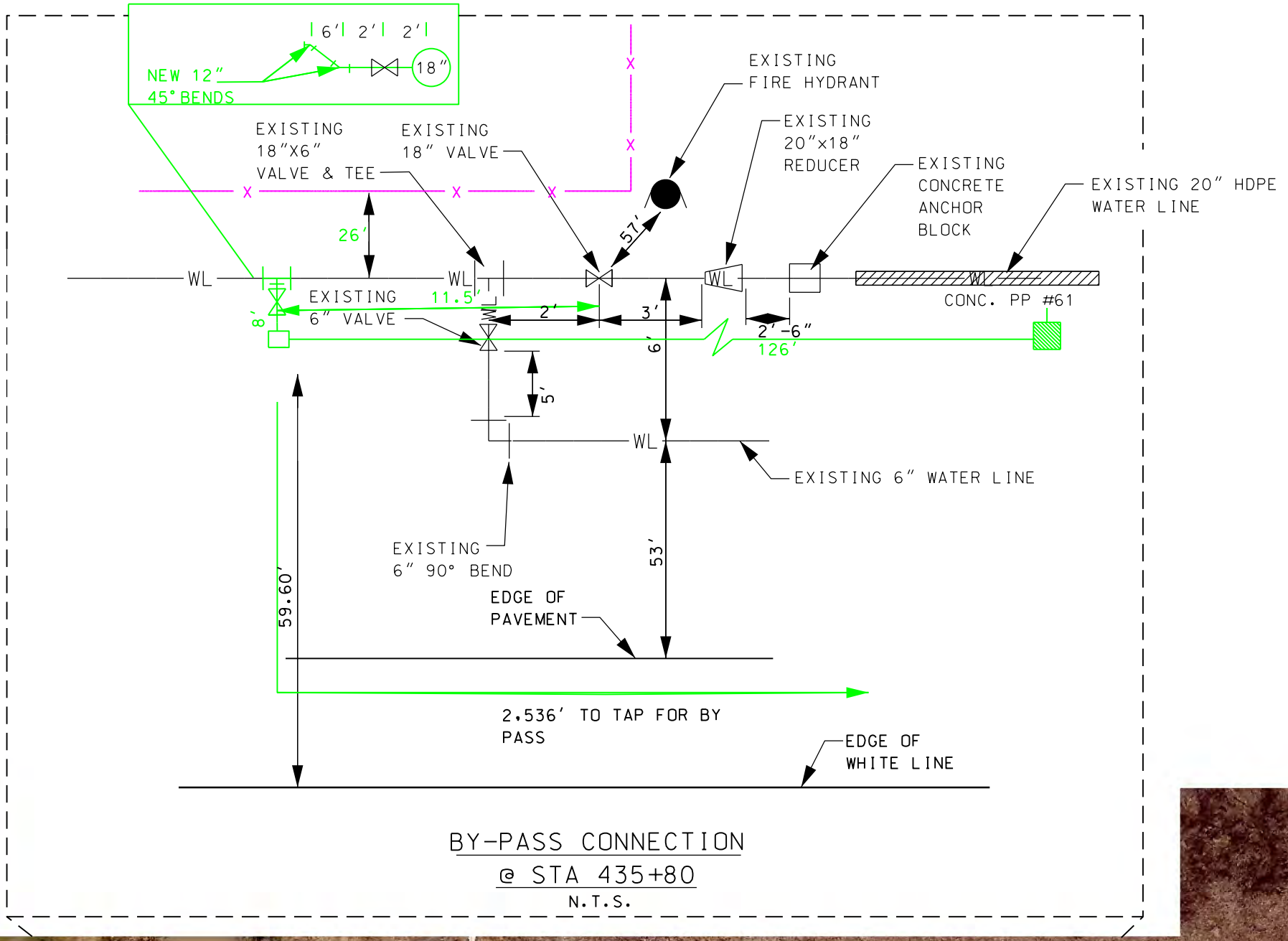
EXISTING		PROPOSED	
GAS MAIN	---	CONC. MONUMENT	⊠
EXISTING WATER LINE	— WL —	IRON PIN	○
FIBER OPTIC CABLE	- - - F O - - -	POWER POLE	■
BURIED TELEPHONE	- BT -	GUY	▲
OVERHEAD ELECTRICAL	— OE —	TELEPHONE PEDISTAL	●
FENCING	- X -	SIGN	⬢
WETLAND TO BE DISTURBED	⊘	TREE	*
DRAINAGE PIPE	- - -	SHRUB	⊙
RIGHT OF WAY	—	AIR & VACUUM VALVE	⊠
WATER VALVE	⊠	GAS MARKER	●
WATER METER	⊠		
		PROPOSED WATER MAIN	— WL —
		DIRECTIONAL BORE	▨
		WATER VALVE	⊠
		FIRE HYDRANT	●
		BORE PIT	⊠



**RECORD  
DRAWINGS**

**LEGEND**

EXISTING		PROPOSED	
GAS MAIN	- - - - -	CONC. MONUMENT	⊠
EXISTING WATER LINE	— WL —	IRON PIN	○
FIBER OPTIC CABLE	- - - - -	POWER POLE	■
BURIED TELEPHONE	- BT -	GUY	●
OVERHEAD ELECTRICAL	- OE -	TELEPHONE PEDISTAL	●
FENCING	- X -	SIGN	p
WETLAND TO BE DISTURBED	[Pattern]	TREE	*
DRAINAGE PIPE	- - - - -	SHRUB	⊗
RIGHT OF WAY	- - - - -	AIR & VACUUM VALVE	⊙
WATER VALVE	[Symbol]	GAS MARKER	○
WATER METER	[Symbol]	PROPOSED WATER MAIN	— WL —
		DIRECTIONAL BORE	[Pattern]
		WATER VALVE	[Symbol]
		FIRE HYDRANT	[Symbol]
		BORE PIT	[Symbol]



BY-PASS CONNECTION  
@ STA 435+80  
N.T.S.

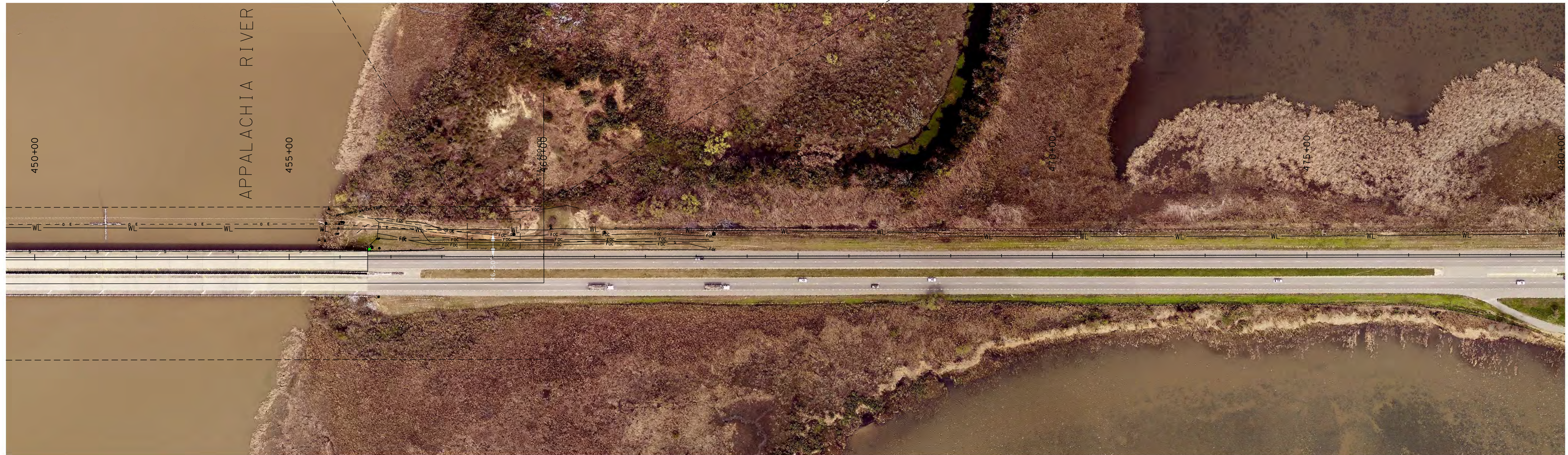
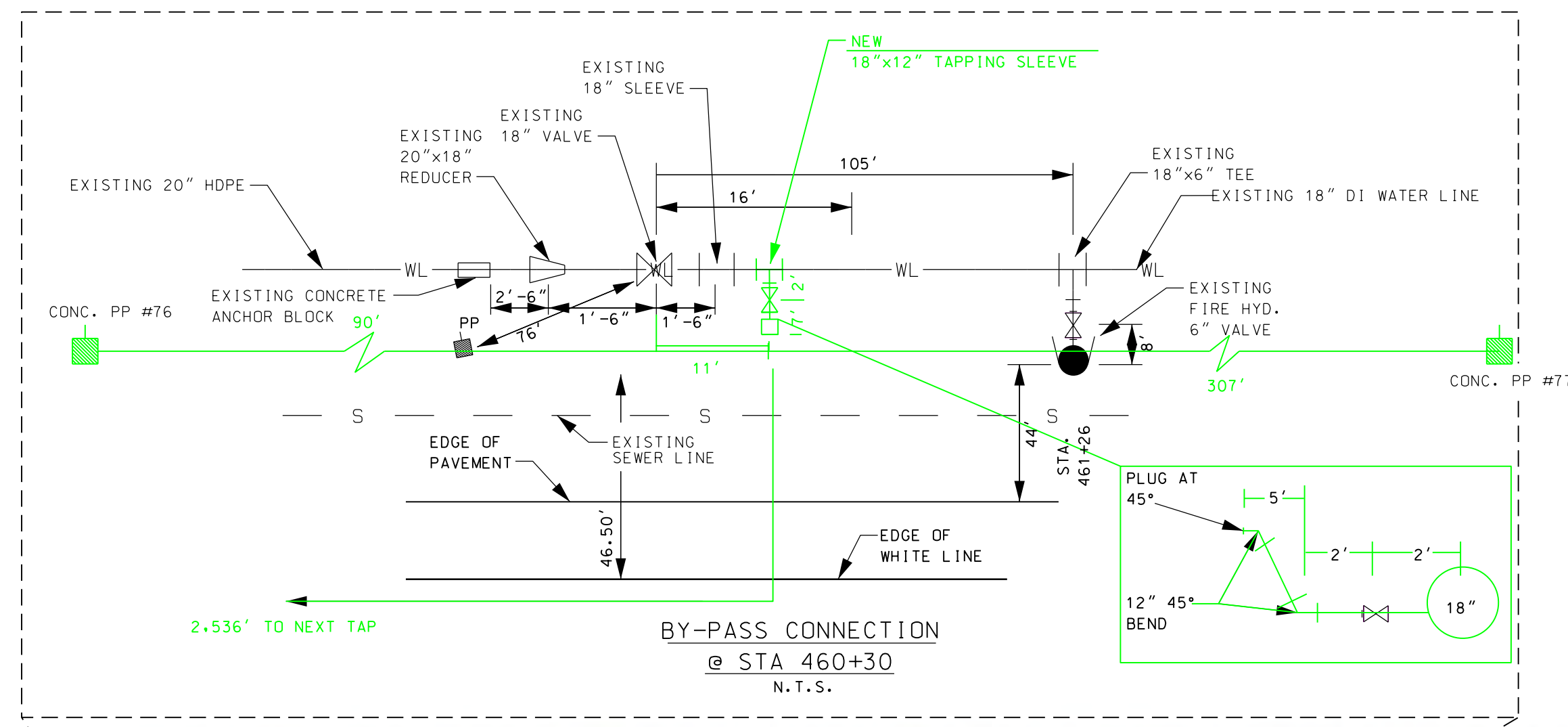


**RECORD  
DRAWINGS**

LEGEND

EXISTING		PROPOSED	
GAS MAIN	---	CONC. MONUMENT	⊠
EXISTING WATER LINE	WL	IRON PIN	○
FIBER OPTIC CABLE	- - - - -	POWER POLE	■
BURIED TELEPHONE	- - - - -	GUY	▲
OVERHEAD ELECTRICAL	- - - - -	TELEPHONE PEDISTAL	●
FENCING	- x - x - x -	SIGN	⊙
WETLAND TO BE DISTURBED	▨	TREE	⊕
DRAINAGE PIPE	- - - - -	SHRUB	⊗
RIGHT OF WAY	- - - - -	AIR & VACUUM VALVE	⊠
WATER VALVE	⊠	GAS MARKER	○
WATER METER	⊙		
		PROPOSED WATER MAIN	WL
		DIRECTIONAL BORE	▨
		WATER VALVE	⊠
		FIRE HYDRANT	●
		BORE PIT	⊠

08-11-2011 11:57 AM



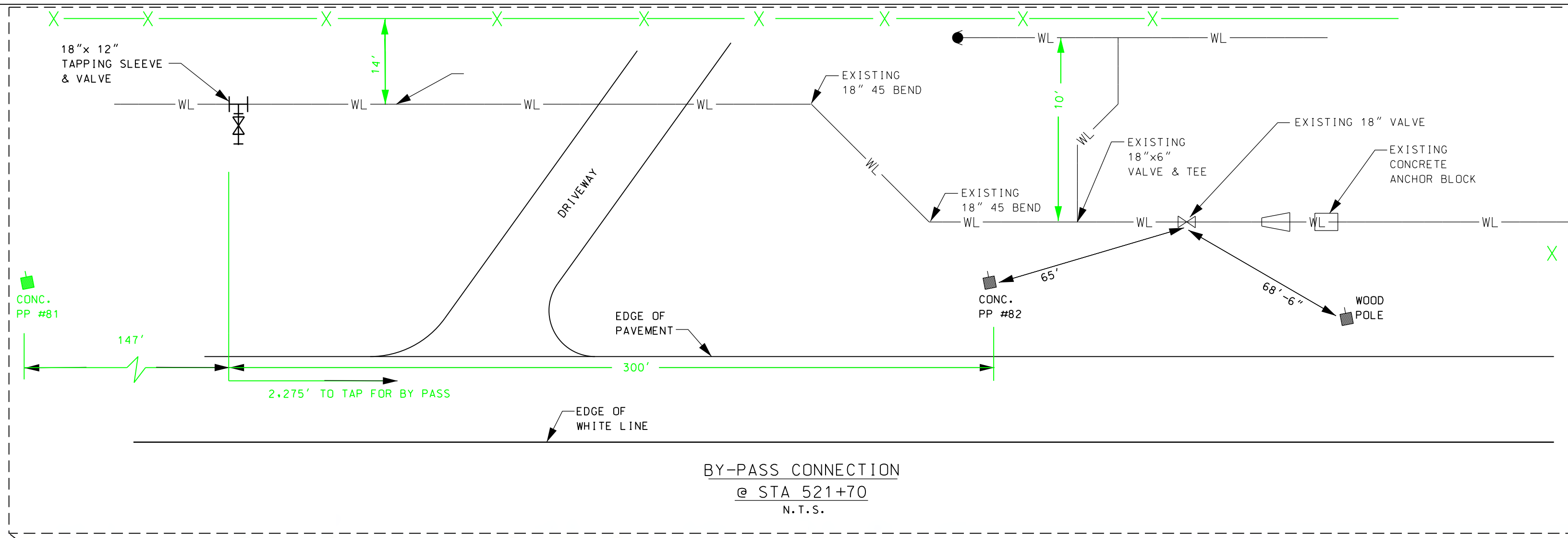
RECORD  
DRAWINGS

LEGEND

EXISTING		PROPOSED	
GAS MAIN		CONC. MONUMENT	
EXISTING WATER LINE		IRON PIN	
FIBER OPTIC CABLE		POWER POLE	
BURIED TELEPHONE		GUY	
OVERHEAD ELECTRICAL		TELEPHONE PEDISTAL	
FENCING		SIGN	
WETLAND TO BE DISTURBED		TREE	
DRAINAGE PIPE		SHRUB	
RIGHT OF WAY		AIR & VACUUM VALVE	
WATER VALVE		GAS MARKER	
WATER METER		PROPOSED WATER MAIN	
		DIRECTIONAL BORE	
		WATER VALVE	
		FIRE HYDRANT	
		BORE PIT	

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE
DATE:	DATE:	DATE:	HORIZ SCALE (FEET) -100 0 100 VERT SCALE (FEET) -100 0 100
			PLAN SHEET (OPTION 2) MOBILE TO SPANISH FORT WATERLINE REPLACEMENT & UPGRADES
			SHEET 13 OF 32

DATE PLOTTED: 11/11/2024 10:00 AM

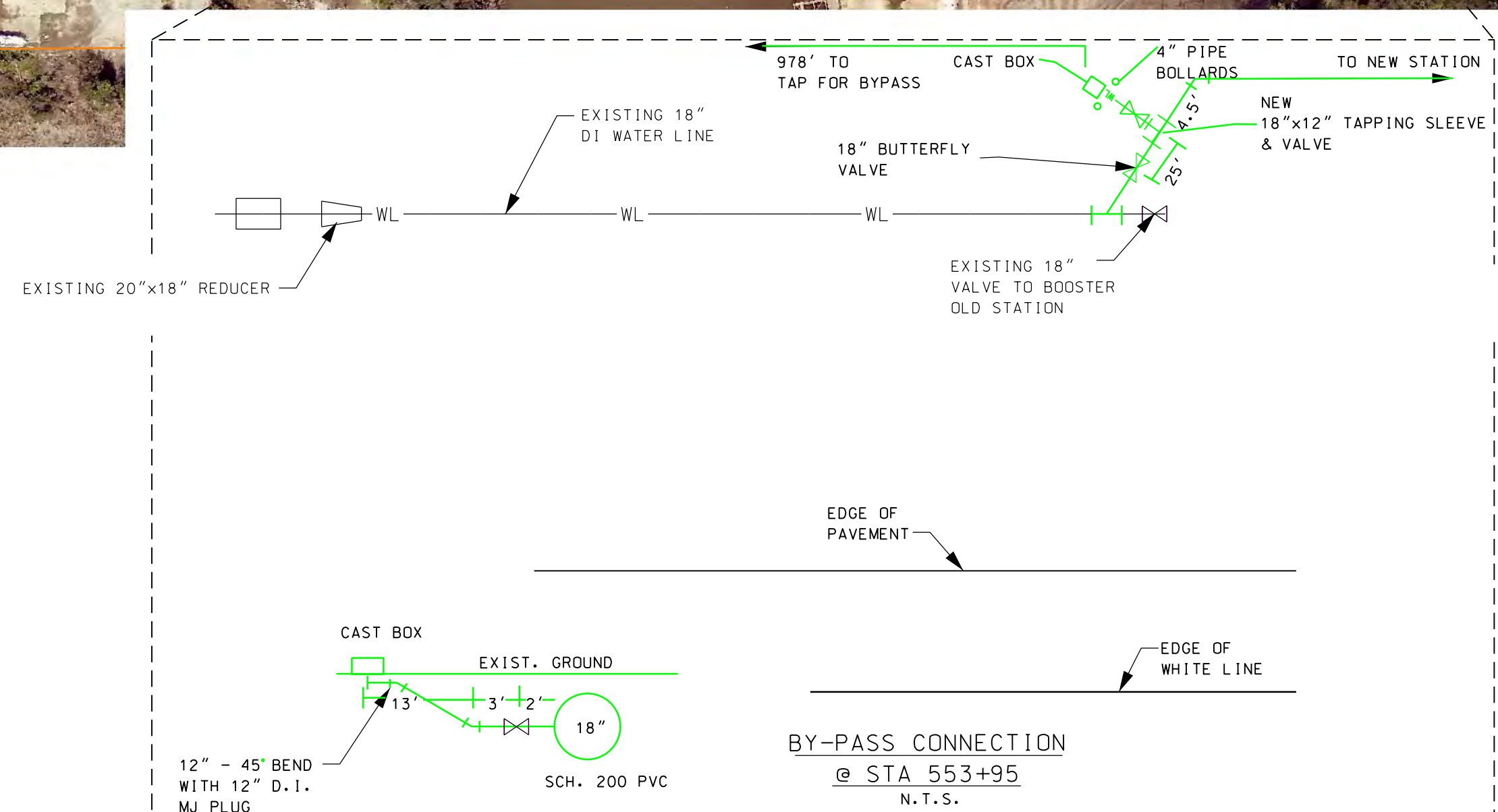
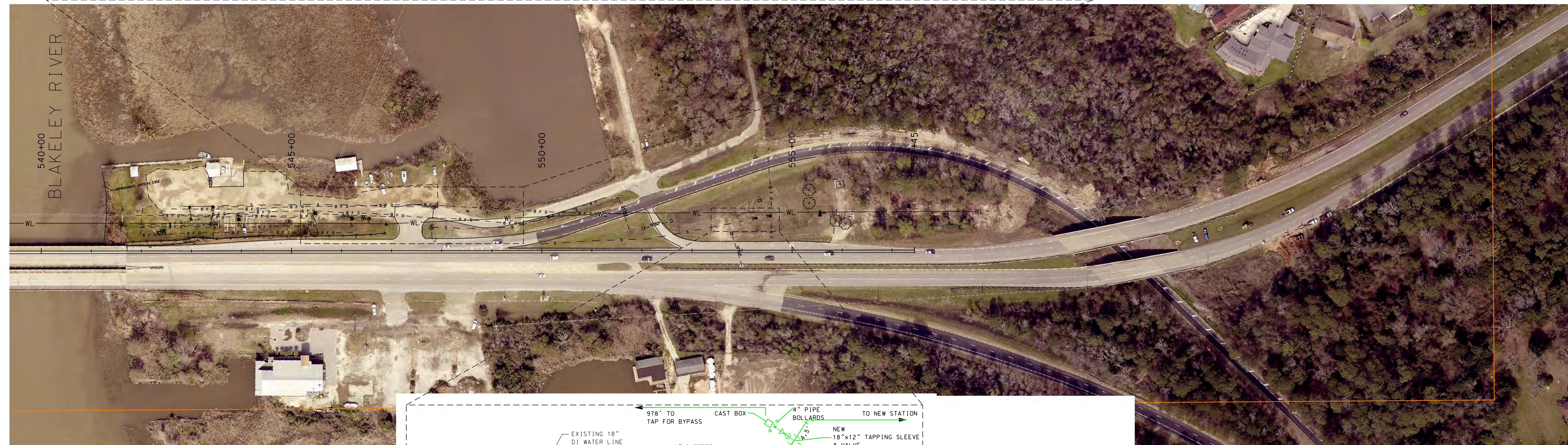
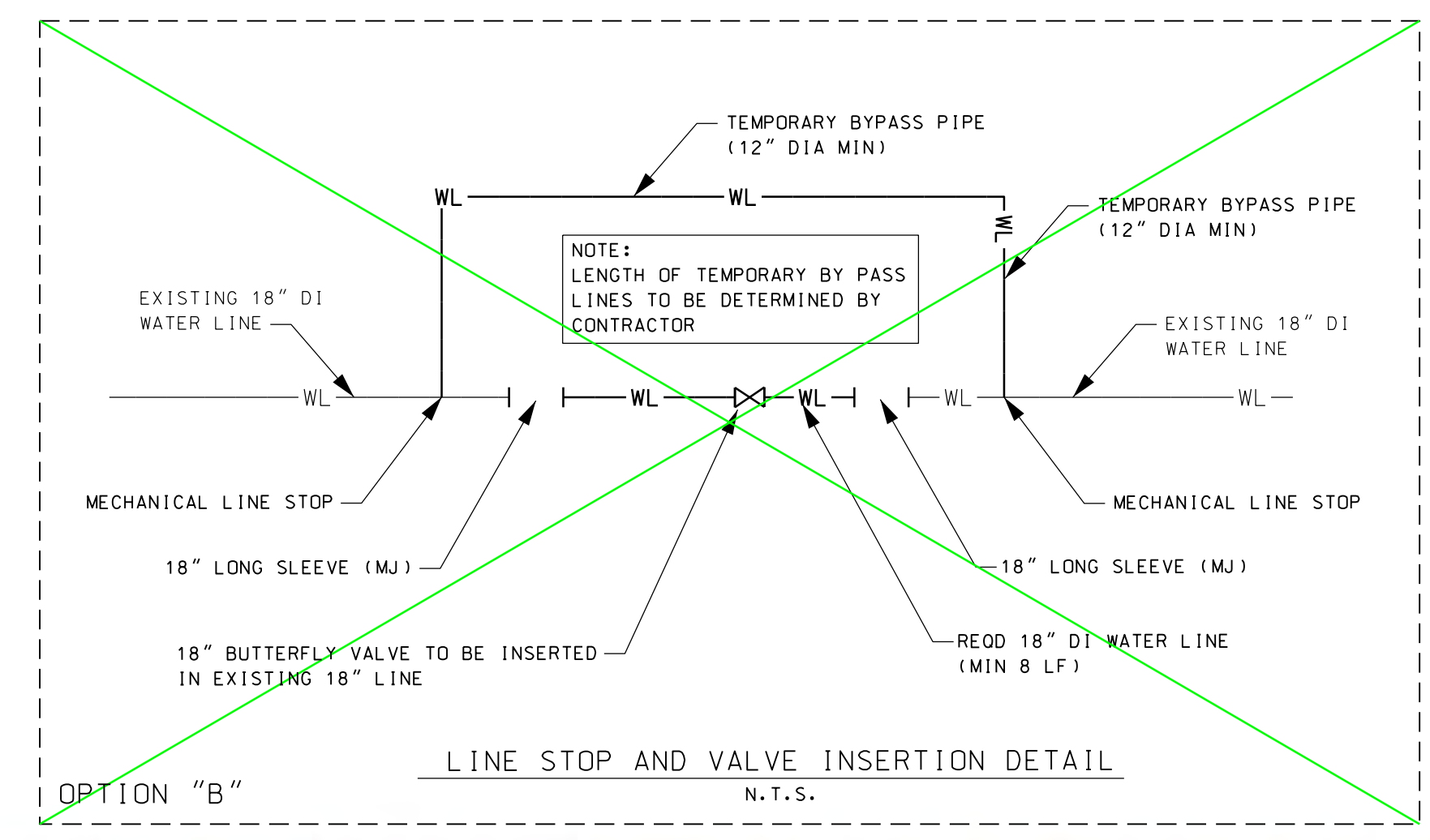
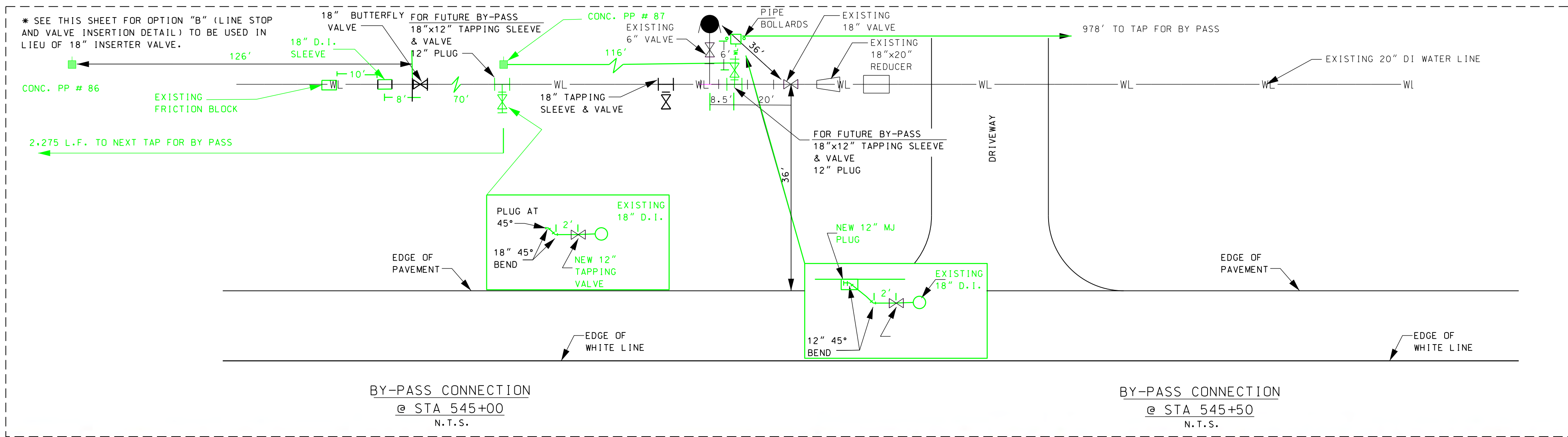


RECORD  
DRAWINGS

LEGEND

EXISTING		PROPOSED	
GAS MAIN	---	CONC. MONUMENT	⊠
EXISTING WATER LINE	WL	IRON PIN	○
FIBER OPTIC CABLE	-BFO- -BFO-	POWER POLE	■
BURIED TELEPHONE	-BT- -BT-	GUY	▲
OVERHEAD ELECTRICAL	-OE- -OE-	TELEPHONE PEDISTAL	●
FENCING	-X- -X-	SIGN	⋮
WETLAND TO BE DISTURBED	▨	TREE	*
DRAINAGE PIPE	- - -	SHRUB	⊙
RIGHT OF WAY	---	AIR & VACUUM VALVE	⊠
WATER VALVE	⊠	GAS MARKER	○
WATER METER	⊠		
		PROPOSED WATER MAIN	WL
		DIRECTIONAL BORE	▨
		WATER VALVE	⊠
		FIRE HYDRANT	●
		BORE PIT	⊠

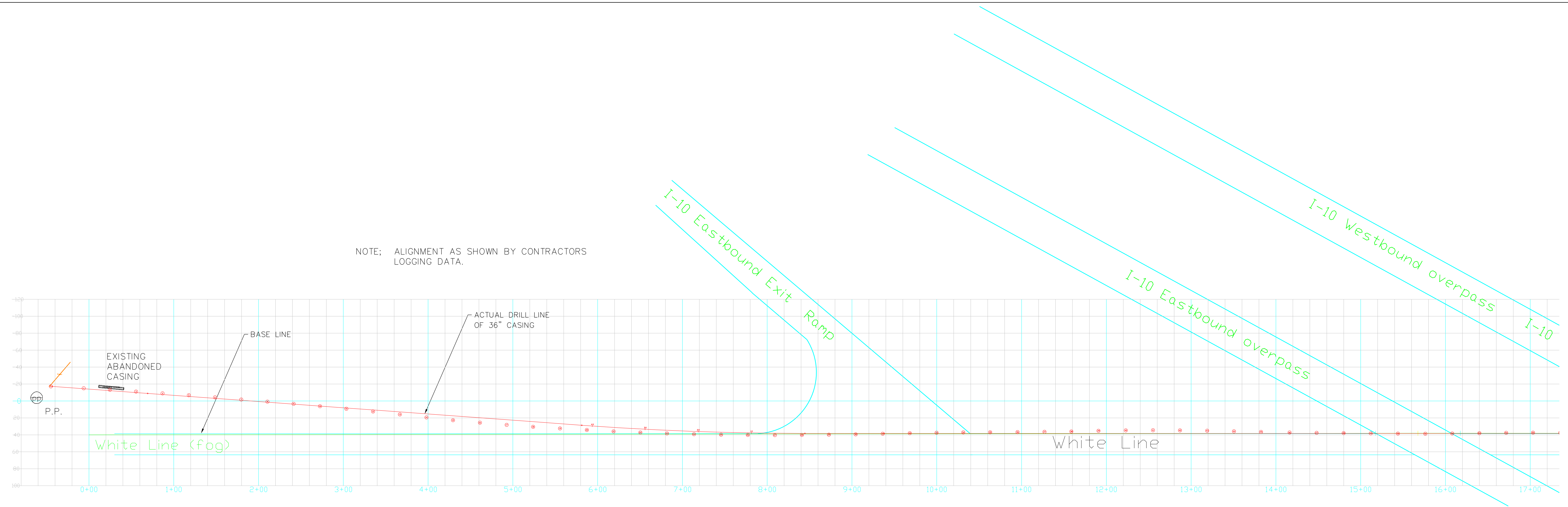
05/20/2024 11:57 AM



RECORD  
DRAWINGS

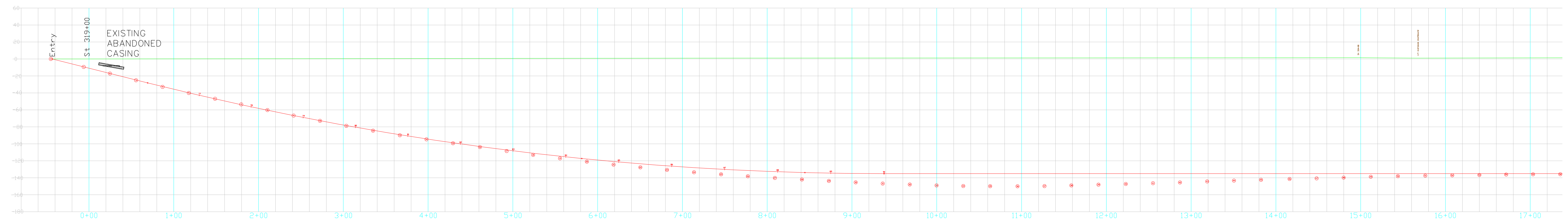
EXISTING		PROPOSED	
GAS MAIN	---	CONC. MONUMENT	⊠
EXISTING WATER LINE	— WL —	IRON PIN	○
FIBER OPTIC CABLE	--- F O C ---	POWER POLE	■
BURIED TELEPHONE	--- B T ---	GUY	●
OVERHEAD ELECTRICAL	--- O E ---	TELEPHONE PEDESTAL	⊙
FENCING	— X — X — X —	SIGN	⊕
WETLAND TO BE DISTURBED	▨	TREE	⊙
DRAINAGE PIPE	---	SHRUB	⊙
RIGHT OF WAY	---	AIR & VACUUM VALVE	⊙
WATER VALVE	⊕	GAS MARKER	○
WATER METER	⊕	PROPOSED WATER MAIN	— WL —
		DIRECTIONAL BORE	▨
		WATER VALVE	⊕
		FIRE HYDRANT	⊙
		BORE PIT	⊕

Plan



NOTE; ALIGNMENT AS SHOWN BY CONTRACTORS LOGGING DATA.

Profile



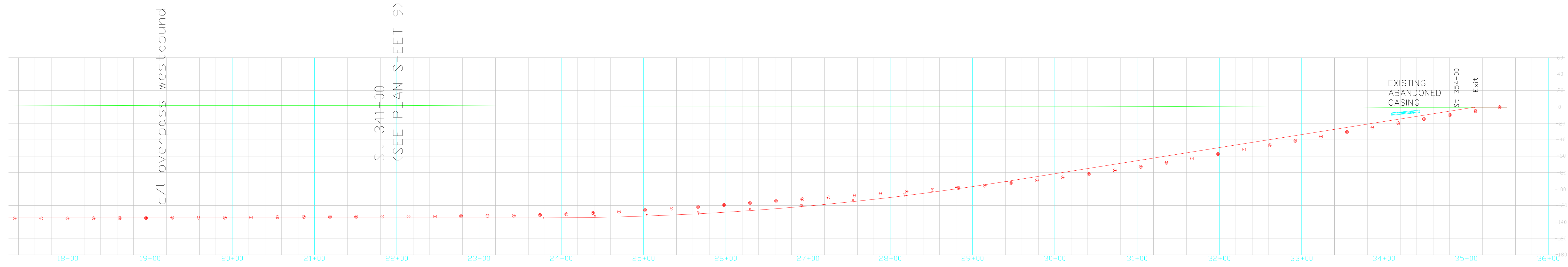
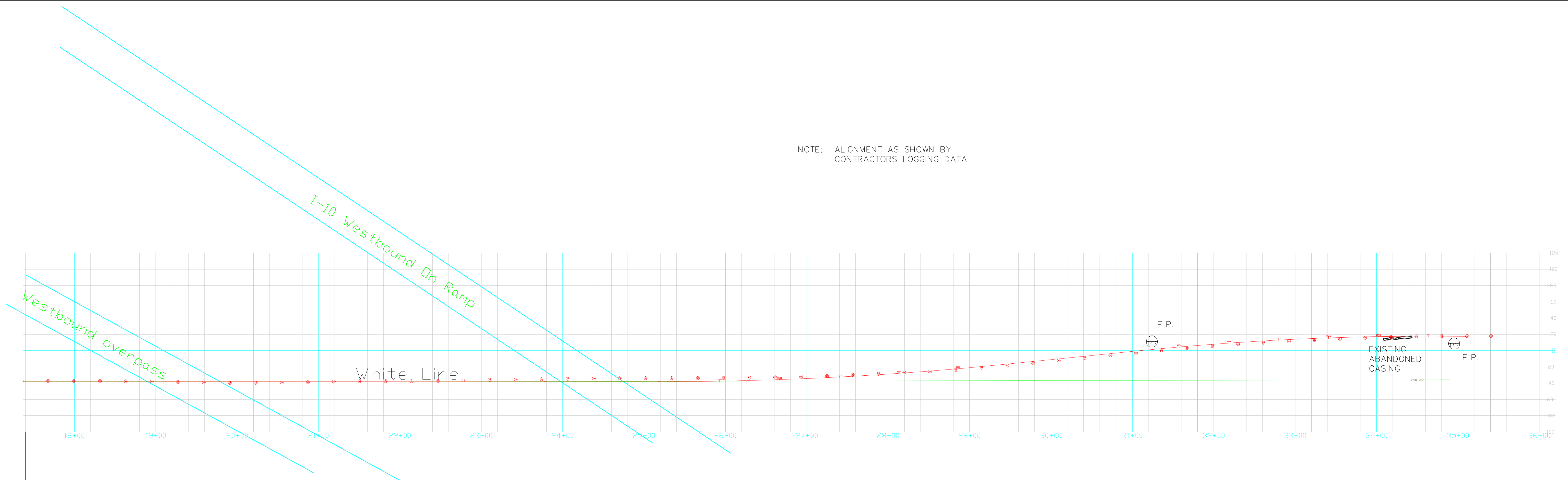
NOTE; ALIGNMENT AS SHOWN BY CONTRACTORS LOGGING DATA.

**RECORD DRAWINGS**

DATE: 11/11/2011 10:00 AM

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE	HORIZ SCALE (FEET)	VERT SCALE	MOBILE TO SPANISH FORT WATERLINE REPLACEMENT & UPGRADES	SHEET
DATE:	DATE:	DATE:		17 OF 32			

NOTE; ALIGNMENT AS SHOWN BY CONTRACTORS LOGGING DATA

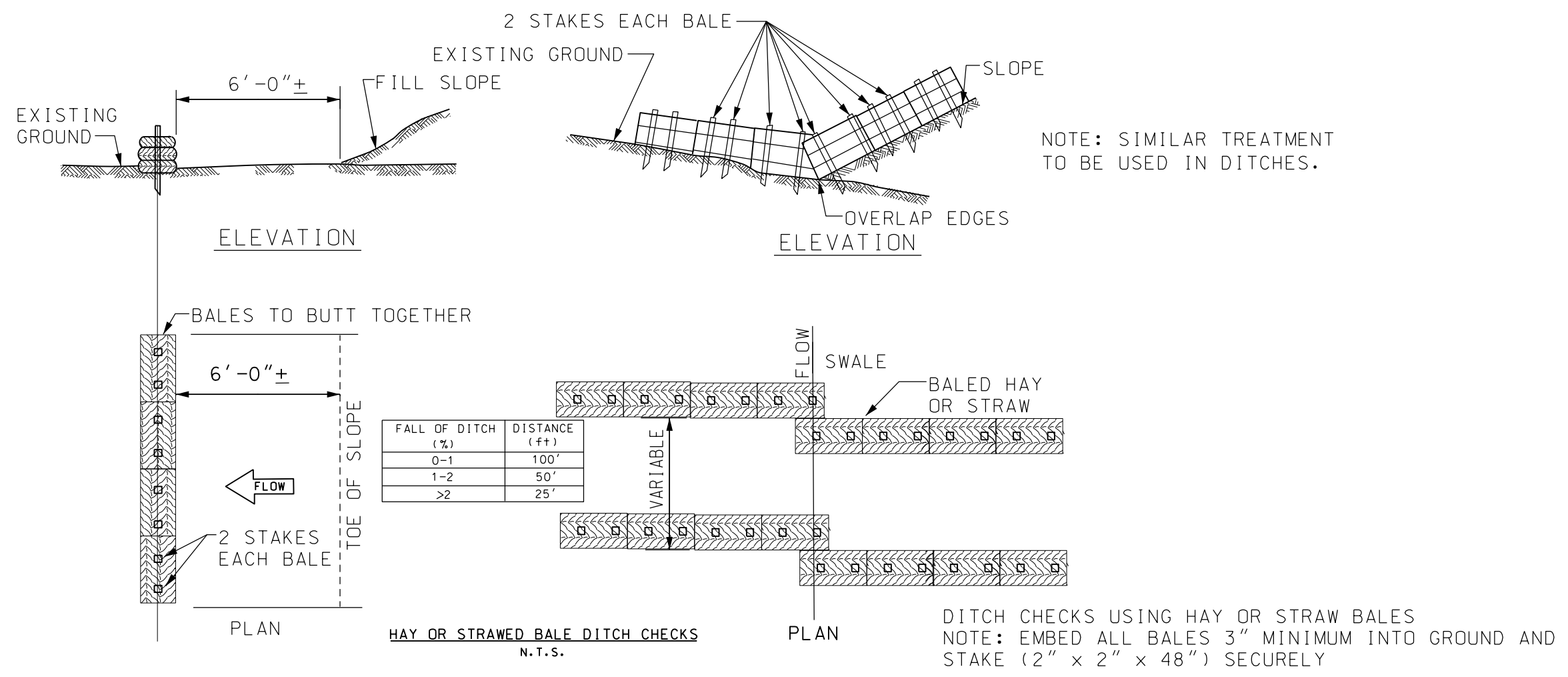


NOTE; ALIGNMENT AS SHOWN BY CONTRACTORS LOGGING DATA

**RECORD  
DRAWINGS**

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE	HORIZ 0 NOT TO SCALE SCALE (FEET)	VERT 0 SCALE	MOBILE TO SPANISH FORT WATERLINE REPLACEMENT & UPGRADES	SHEET
DATE:	DATE:	DATE:		18 OF 32			

04/20/2024 10:53 AM

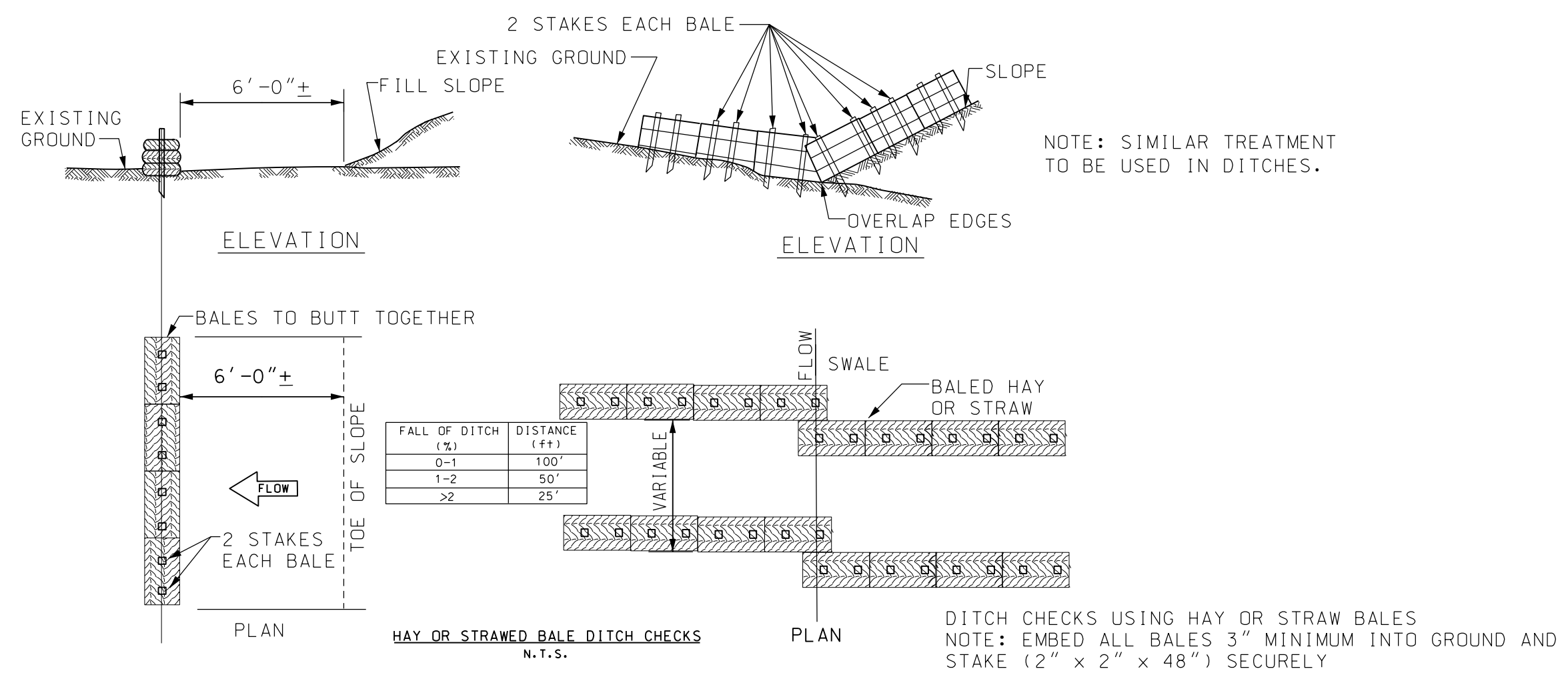


- \* BALED DITCH CHECKS SHALL BE INSTALLED PERPENDICULAR TO TRENCH LINE.
- \*\* SILT FENCE DITCH CHECKS SHALL BE INSTALLED PARALLEL TO TRENCH LINE ON POLECAT BAY SIDE AT RIGHT OF WAY LINE OR EDGE OF DISTURBED GROUND. BEFORE OR IMMEDIATELY AFTER GROUND DISTURBANCE WORK BEGINS, TO THE SATISFACTION OF THE ENGINEER OR HIS REPRESENTATIVE. THESE DITCH CHECKS SHALL REMAIN IN PLACE UNTIL ESTABLISHMENT OF PERMANENT EROSION CONTROLS (STAND OF GRASS) AS DETERMINED BY THE ENGINEER OR HIS REPRESENTATIVE.
- \*\*\* SILT FENCE FOR EXCAVATED BACKFILL PILING IN AREAS AS DIRECTED BY THE ENGINEER OR HIS REPRESENTATIVE.

**RECORD  
DRAWINGS**

08/09/2024 10:55:55 AM

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE	HORIZ SCALE 1"=100' 	VERT SCALE 1"=100' 	EROSION CONTROL PLAN	SHEET
DATE:	DATE:	DATE:				MOBILE TO SPANISH FORT WATERLINE REPLACEMENT & UPGRADES	23 OF 32

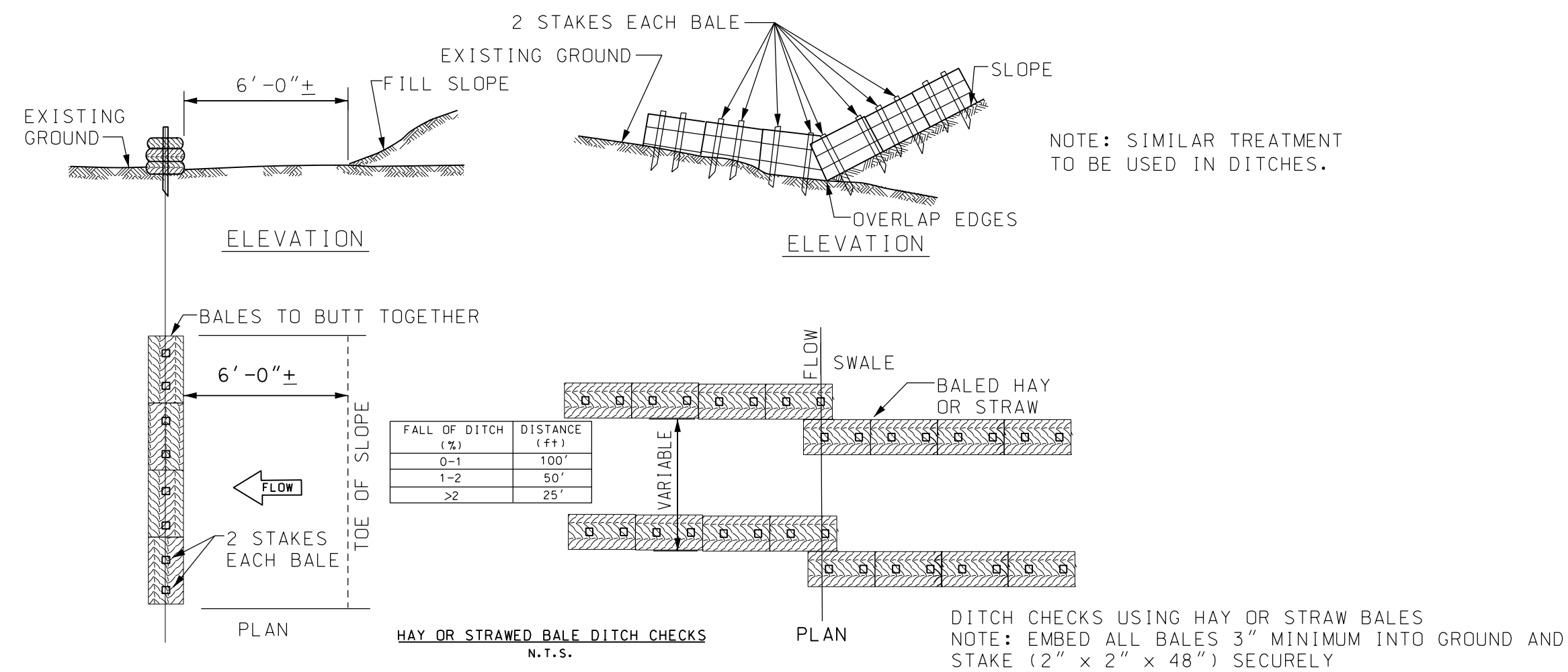


- \* BALED DITCH CHECKS SHALL BE INSTALLED PERPENDICULAR TO TRENCH LINE.
- \*\* SILT FENCE DITCH CHECKS SHALL BE INSTALLED PARALLEL TO TRENCH LINE ON POLECAT BAY SIDE AT RIGHT OF WAY LINE OR EDGE OF DISTURBED GROUND, BEFORE OR IMMEDIATELY AFTER GROUND DISTURBANCE WORK BEGINS, TO THE SATISFACTION OF THE ENGINEER OR HIS REPRESENTATIVE. THESE DITCH CHECKS SHALL REMAIN IN PLACE UNTIL ESTABLISHMENT OF PERMANENT EROSION CONTROLS (STAND OF GRASS) AS DETERMINED BY THE ENGINEER OR HIS REPRESENTATIVE.
- \*\*\* SILT FENCE FOR EXCAVATED BACKFILL PILING IN AREAS AS DIRECTED BY THE ENGINEER OR HIS REPRESENTATIVE.

**RECORD  
DRAWINGS**

08/11/2016 10:53 AM

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE	HORIZ SCALE (FEET) 	VERT SCALE (FEET) 	EROSION CONTROL PLAN MOBILE TO SPANISH FORT WATERLINE REPLACEMENT & UPGRADES	SHEET 24 OF 32
DATE:	DATE:	DATE:					



\* BALED DITCH CHECKS SHALL BE INSTALLED PERPENDICULAR TO TRENCH LINE.

\*\* SILT FENCE DITCH CHECKS SHALL BE INSTALLED PARALLEL TO TRENCH LINE ON POLECAT BAY SIDE AT RIGHT OF WAY LINE OR EDGE OF DISTURBED GROUND. BEFORE OR IMMEDIATELY AFTER GROUND DISTURBANCE WORK BEGINS, TO THE SATISFACTION OF THE ENGINEER OR HIS REPRESENTATIVE. THESE DITCH CHECKS SHALL REMAIN IN PLACE UNTIL ESTABLISHMENT OF PERMANENT EROSION CONTROLS (STAND OF GRASS) AS DETERMINED BY THE ENGINEER OR HIS REPRESENTATIVE.

\*\*\* SILT FENCE FOR EXCAVATED BACKFILL PILING IN AREAS AS DIRECTED BY THE ENGINEER OR HIS REPRESENTATIVE.

**RECORD  
DRAWINGS**

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE	HORIZ SCALE (FEET)	VERT SCALE (FEET)	EROSION CONTROL PLAN	SHEET
DATE:	DATE:	DATE:				MOBILE TO SPANISH FORT WATERLINE REPLACEMENT & UPGRADES	25 OF 32

04/20/2017 10:57 AM  
 04/20/2017 10:57 AM  
 04/20/2017 10:57 AM