

WATERMAIN AND FORCEMAIN CONSTRUCTION PLANS
FOR

U.S. 41 TRANSMISSION MAINS
TRAILWINDS DRIVE TO SOUTH AIRPORT ROAD
(ALICO ROAD TO COLONIAL BOULEVARD PHASE 1B)

PART OF SECTION 12 AND 13 TOWNSHIP 45 SOUTH, RANGE 24 EAST
FORT MYERS, LEE COUNTY, FLORIDA

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THIS IS TO CERTIFY THAT THESE PLANS AND THE ASSOCIATED CONSTRUCTION PROJECT ARE IN SUBSTANTIAL COMPLIANCE WITH THE LEE COUNTY LAND DEVELOPMENT CODE WITH THE EXCEPTION OF THE FOLLOWING DEVIATIONS WHICH HAVE BEEN APPROVED BY THE ASSISTANT COUNTY MANAGER.

DEVIATIONS: NONE

TIMOTHY B. GAVIN, P.E. FL. P.E. LICENSE NO. 70675 DATE

DEVELOPMENT ORDER APPROVED:
PUBLIC WORKS ADMINISTRATION

DOUG L. MEURER, P.E., DATE
ASSISTANT COUNTY MANAGER

PLAN STATUS

BID SET
2018-06-12

Barraco
and Associates, Inc.

CIVIL ENGINEERING - LAND SURVEYING
LAND PLANNING - LANDSCAPE DESIGN

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ENGINEERING 7995 - SURVEYING LB-6940

PREPARED FOR

UTILITIES
LEE COUNTY

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WWW.LEEGOV.COM/UTILITIES

PROJECT DESCRIPTION

U.S. 41 (S.R. 45)
TRANSMISSION MAINS

PHASE 1B

TRAILWINDS DRIVE TO
SOUTH AIRPORT ROAD

PART OF SECTION 12 AND 13
TOWNSHIP 45 SOUTH,
RANGE 24 EAST
FORT MYERS, 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 | 23063F01.DWG

LOCATION | J:\23063\DWG\DO\PHASE 1B\

PLOT DATE | TUE. 6-12-2018 - 9:48 AM

PLOT BY | JAN BILDZUKEWICZ

CROSS REFERENCED DRAWINGS

MASTER = BAL-COVER-1.DWG

PLAN REVISIONS

PLAN STATUS

BID SET
2018-06-12

COVER SHEET
AND
LOCATION MAP

PROJECT / FILE NO.

23063

SHEET NUMBER

C1.0

LEE COUNTY COMMISSIONERS

DISTRICT 1. JOHN E. MANNING
DISTRICT 2. CECIL L. PENDERGRASS
DISTRICT 3. LARRY KIKER
DISTRICT 4. BRIAN HAMMAN
DISTRICT 5. FRANK MANN

COUNTY MANAGER

ROGER DESJARLAIS

DIRECTOR OF PUBLIC WORKS

DOUG MEURER

DIRECTOR OF UTILITIES

PAMELA KEYES, P.E.

PERMIT REQUIREMENTS

AGENCY	STATUS	NOTES
S. FLORIDA WATER MANAGEMENT DISTRICT	N/A	-
LEE COUNTY DEVELOPMENT ORDER	PENDING	-
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	PENDING	-
ARMY CORPS OF ENGINEERS	N/A	-
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

TIMOTHY B. GAVIN, P.E.

PROJECT MANAGEMENT

CHRIS VAN BUSKIRK

DESIGN ENGINEER

TIMOTHY B. GAVIN, P.E.

PROJECT SURVEYOR

SCOTT A. WHEELER, PSM

LEAD DESIGN TECHNICIAN

JAN BILDZUKEWICZ

SITE PLANNING

N/A

DESIGN STAFF

WILLIAM SCOTT ENGLISH

LAND PLANNING

N/A

QUALITY CONTROL

CHRIS VAN BUSKIRK

RECORD DRAWINGS

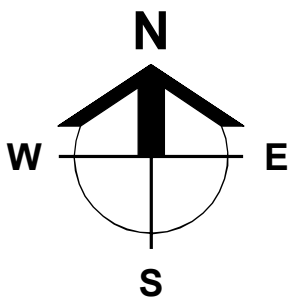
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THESE PLANS MAY HAVE BEEN MODIFIED IN SIZE BY REPRODUCTION.
THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

ALL DIMENSIONS ARE IN FEET.



PROJECT
LOCATION




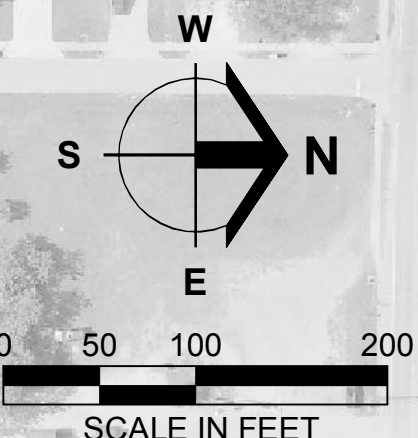
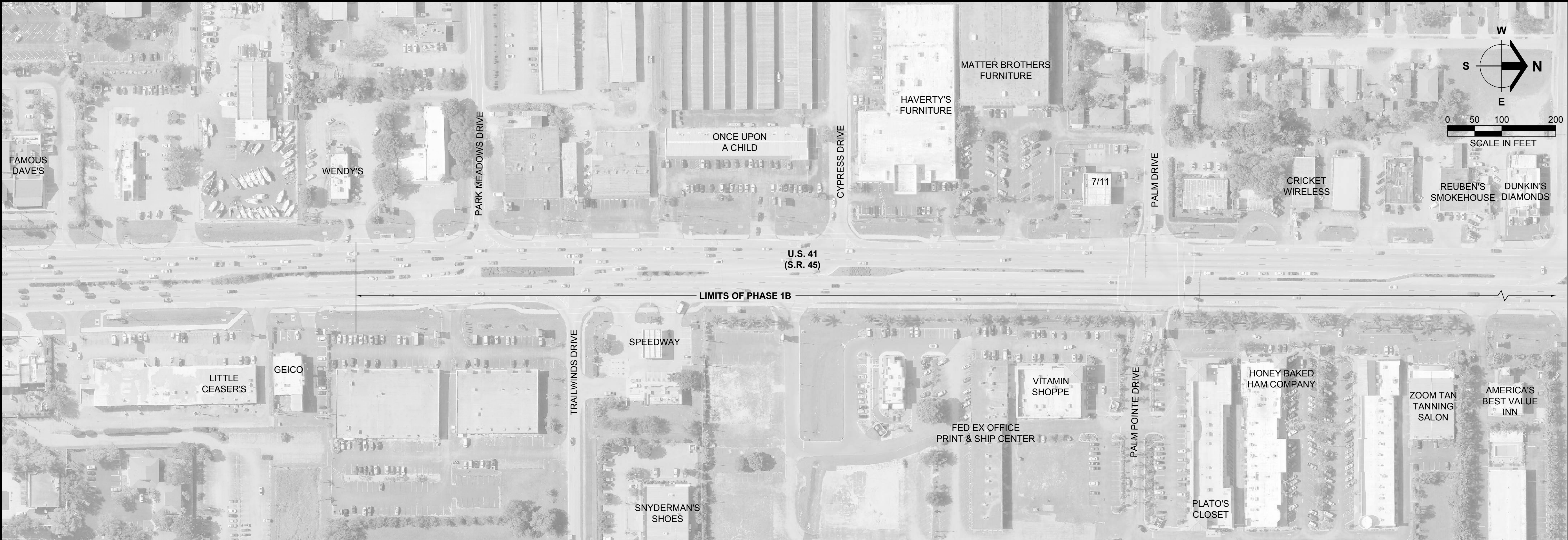
LOCATION MAP

0 2000 4000 8000
SCALE IN FEET



www.sunshine811.com

GENERAL NOTES:		
NOTE: SEE ADDITIONAL NOTES ON SUBSEQUENT PLAN SHEETS WHICH ARE SPECIFIC TO THIS PROJECT. IN THE EVENT OF A CONFLICT, UTILIZE NOTES ON THE PLAN SHEETS.		
1. 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, F.D.O.T. DESIGN STANDARDS AND APPLICABLE DESIGN STANDARDS MODIFICATIONS FOUND AT http://www.dot.state.fl.us/rddesign AND ALL LOCAL CODES.	PAVEMENT, BACK OF CURB AND/OR SIDEWALK AT EACH END, AND ENDS SHALL BE SEALED AND DENOTED WITH MARKING TAPE.	4. ALL MILLING AND RESURFACING TO BE FULL WIDTH FROM EDGE OF PAVEMENT TO RIGHT OF WAY.
2. 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.	18. 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.	38. ALL PROPOSED WATER SERVICES SHALL BE NEW MATERIALS (FROM THE TAPPING SADDLE WITH CORPORATION STOP IN THE WATERMAIN, POLY TUBE AND CURB STOP) AND SHALL BE CONNECTED TO THE WATER METER IN THE METER BOX.
3. 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. AND LEE COUNTY RIGHT-OF-WAY AND EASEMENTS.	19. 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.	SIGNING AND PAVEMENT MARKING NOTES:
4. ALL CONSTRUCTION SHALL COMPLY WITH THE LATEST VERSIONS OF THE AMERICANS WITH DISABILITIES ACT (A.D.A.), THE FLORIDA FIRE CODE AND THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION (F.A.C.B.C.).	20. 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.	
5. SIDEWALKS ARE DESIGNED AND INTENDED FOR PEDESTRIAN TRAFFIC ONLY. ALL SIDEWALKS AND CURB CUTS SHALL BE IN ACCORDANCE WITH F.D.O.T. INDEX 304 AND SHALL INCLUDE DETECTABLE WARNING SURFACES. VALLEY GUTTER ADJACENT TO CURB CUTS SHALL DEVIATE FROM STANDARD DETAIL BY NOT EXCEEDING 12:1 SLOPES.	21. 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. CONTRACTOR SHALL BE REQUIRED TO PROVIDE SUITABLE BACK FILL MATERIAL AS NEEDED FOR UTILITY BACK FILL ETC. AS IN ACCORDANCE WITH THE SPECIFICATIONS.	1. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE F.D.O.T. STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION, THE F.D.O.T DESIGN STANDARDS INDEX, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND ALL APPLICABLE LOCAL STANDARDS. UTILIZATION OF THE 2009 M.U.T.C.D. SHALL BE IN ACCORDANCE WITH F.D.O.T. POLICY.
6. THE 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.	22. CONTRACTOR SHALL MAINTAIN MINIMUM SEPARATION BETWEEN UTILITIES AS SHOWN ON "UTILITY LOCATION DETAIL" AND IN ACCORDANCE WITH APPLICABLE LOCAL UTILITY SERVICE PROVIDER REQUIREMENTS.	2. DURING CONSTRUCTION, THE CONTRACTOR SHALL COMPLY WITH THE LATEST EDITIONS OF THE "STATE OF FLORIDA MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS" AND WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND WITH ALL OTHER GOVERNING SAFETY REGULATIONS.
7. 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. COST ASSOCIATED WITH UTILITY LOCATING IS CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.	23. 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.	3. PAVEMENT MARKINGS SHALL BE PERMANENT REFLECTIVE TRAFFIC PAINT WITH GLASS BEADS IN ACCORDANCE WITH F.D.O.T. STANDARD SPECIFICATIONS SECTION 710 UNLESS NOTED OTHERWISE. PERMANENT PAVEMENT MARKINGS WITHIN F.D.O.T. RIGHT-OF-WAY SHALL BE THERMOPLASTIC UNLESS NOTED OTHERWISE.
8. 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 AND REPLACED AT THE COMPLETION OF CONSTRUCTION BY THE CONTRACTOR.	24. 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.	4. MATCH EXISTING PAVEMENT MARKINGS AT EXISTING ROADS. ALL EXISTING PAVEMENT MARKINGS THAT ARE IN CONFLICT WITH PROPOSED MARKINGS SHALL BE REMOVED BY HYDRO-BLASTING. EXISTING SIGNS SHALL REMAIN UNLESS NOTED OTHERWISE.
9. 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.	25. SEPARATE PERMITS MAY BE REQUIRED FOR ANY DEDICATED FIRE LINE. UNDERGROUND FIRE LINES MUST MEET REQUIREMENT OF NFPA 24.	5. ALL STOP SIGN LOCATIONS SHALL INCLUDE A 24" PAINTED WHITE STOP BAR. AS AN ALTERNATIVE, ROADS WITH PAVER BRICK SURFACES MAY UTILIZE CONTRASTING COLOR PAVERS IN LIEU OF PAINT.
10. 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.	26. THE CONTRACTOR SHALL RESTORE ALL PAVING ETC. TO MATCH ORIGINAL CONDITION. NO SEPARATE PAYMENT WILL BE MADE FOR THESE ITEMS UNLESS SPECIFICALLY INCLUDED IN THE BID TABULATION OR OUTLINED IN THE SPECIFICATIONS. ALL MILLING AND RESURFACING TO BE FULL WIDTH FROM EDGE OF PAVEMENT TO RIGHT OF WAY.	6. THE CONTRACTOR SHALL FURNISH AND INSTALL STREET NAME SIGNS IN ACCORDANCE WITH LOCAL DEVELOPMENT STANDARDS. IF POSSIBLE, STREET NAME SIGNAGE TO BE ATOP ALL STOP SIGNS.
11. 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's) "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.	27. EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE INSTALLED PRIOR TO PERFORMING ANY EXCAVATION IN ANY AREA AND SHALL BE MAINTAINED DURING WORK AND REMOVED WHEN WORK IS COMPLETED. SEE EROSION CONTROL DETAILS FOR ADDITIONAL INFORMATION, IF APPLICABLE.	7. THE CONTRACTOR SHALL PROVIDE AND INSTALL BLUE / BLUE REFLECTIVE PAVEMENT MARKERS AT THE CENTER OF THE TRAFFIC LANE NEAREST ALL PROPOSED FIRE HYDRANTS.
12. 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.	28. LIMITS OF CONSTRUCTION SHALL BE CONFINED TO THE EXISTING RIGHTS-OF-WAYS AND EASEMENTS SHOWN ON THE PLANS.	8. ALL ROADWAY SIGNING AND PAVEMENT MARKINGS, STREET NAME SIGNS, ETC. (EXCLUDING PROJECT IDENTIFICATION SIGNING) ARE TO BE INCLUDED IN THE LUMP SUM PRICE FOR SIGNING AND MARKING UNLESS A DETAILED BID QUANTITY BREAKDOWN IS PROVIDED.
13. 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 THE ROOTS OF 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.	29. CONTRACTOR SHALL RECONSTRUCT ALL DRAINAGE DITCHES AND SWALES DISTURBED BY CONSTRUCTION ACTIVITIES TO THEIR ORIGINAL GRADE AND LOCATION.	9. ANY EXISTING SIGN TO REMAIN THAT IS RELOCATED OR DISTURBED DURING CONSTRUCTION SHALL BE RESET TO CURRENT F.D.O.T. STANDARD INDEXES 11860 AND 17302 FOR HEIGHT, OFFSET AND METHOD OF INSTALLATION. ANY SIGNS DAMAGED BY CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
14. 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.	30. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE AND MAINTAIN AMPLE MEANS AND EQUIPMENT WITH WHICH TO REMOVE AND PROPERLY DISPOSE OF ANY WATER ENTERING THE EXCAVATION OR OTHER PARTS OF THE WORK AND KEEP ALL EXCAVATIONS DRY UNTIL SUCH TIME AS PIPE LAYING AND GRADING IS COMPLETED AND STRUCTURES TO BE BUILT THEREIN ARE COMPLETED. NO WATER SHALL BE ALLOWED TO RISE AROUND THE PIPE IN OPEN TRENCHES NOR SHALL IT BE ALLOWED TO RISE OVER MASONRY UNTIL THE CONCRETE OR MORTAR HAS SET. ALL WATER PUMPED OR DRAINED FROM THE SITE SHALL BE DISPOSED OF IN SUCH A MANNER AS TO PREVENT SILTATION AND EROSION TO ADJACENT PROPERTY OR OTHER CONSTRUCTION. IF REQUIRED THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN ANY LOCAL, STATE OR FEDERAL PERMITS REQUIRED FOR DEWATERING. NO OFFSITE DISCHARGE IS PERMITTED UNLESS SPECIFICALLY ALLOWED IN DEWATERING PERMIT.	10. ALL SIGNS THAT ARE EMBEDDED IN CONCRETE OR ASPHALT SHALL BE INSTALLED IN A F.D.O.T. APPROVED PIPE SLEEVE.
15. SUBGRADE AND LIMEROCK BASE COURSES TO BE COMPACTED TO 98% MINIMUM OF THE MAXIMUM DRY DENSITY AS SPECIFIED BY AASHTO T-180 TESTING. CONTRACTOR SHALL PROVIDE THE ENGINEER SATISFACTORY DENSITY TESTS FOR SUBGRADE AND LIMEROCK PRIOR TO PAYMENT OR FINAL ACCEPTANCE. EXCESS ROAD BASE AND COMPACTED SOIL SHALL BE REMOVED FROM ALL LANDSCAPE AREAS PRIOR TO FINAL GRADING. UTILITY TRENCHES SHALL BE COMPACTED TO 95% MINIMUM OF THE MAXIMUM DRY DENSITY AS SPECIFIED BY AASHTO-99. ALL GEOTECHNICAL TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO SEPARATE PAYMENT SHALL BE MADE FOR GEOTECHNICAL TESTING.	31. CONTRACTOR SHALL PROTECT OR REMOVE AND REINSTALL ALL SIGNS AND MAIL BOXES WITHIN THE RIGHT-OF-WAY OR EASEMENT LIMITS.	QUANTITIES AND PAYMENT:
16. SWALE ELEVATIONS SHOWN ARE TO TOP OF SOD. CONTRACTOR TO ADJUST SWALE GRADING ACCORDINGLY. ALL UNPAVED AREAS SHALL BE GRADED TO DRAIN TO THE DRAINAGE SYSTEM TO PREVENT STANDING WATER. YARD DRAINS MAY BE ADDED IN GREEN AREAS AS NECESSARY AT THE DIRECTION OF THE ENGINEER, AND SHALL HAVE PEDESTRIAN-SAFE GRATES MEETING THE REQUIREMENTS OF H-20 LOADING.	32. CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM ADVANCE NOTICE OF ALL UTILITY SHUT DOWNS AND TIE-INS TO THE ENGINEER, THE PUBLIC INVOLVEMENT CONSULTANT (IF APPLICABLE) AND THE UTILITY COMPANY.	
17. CASING AND/OR CONDUIT SHALL HAVE A MINIMUM OF 36" COVER, EXTEND 5' BEYOND THE EDGE OF	33. ROADWAY LANE CLOSURES, DRIVEWAY CLOSURES, POTABLE WATERMAIN AND FORCEMAIN SHUT DOWNS MAY BE REQUIRED TO OCCUR AT NIGHT OR EARLY MORNING HOURS. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR REQUIRED NIGHT WORK.	1. CONTRACTOR SHALL REFER TO THE BID TABULATION AND PROJECT TECHNICAL SPECIFICATIONS FOR NOTES REGARDING THE METHOD OF PAYMENT FOR SPECIFIC PAY ITEMS.
	34. IN THE EVENT OF UNSCHEDULED WATERMAIN SHUT DOWNS (BREAKS) THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER, THE PUBLIC INVOLVEMENT CONSULTANT AND THE UTILITY COMPANY TO DETERMINE THE AFFECTED AREA FOR "BOIL WATER NOTICES". THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE NECESSARY REPAIRS AND REQUIRED BACTERIOLOGICAL TESTS NECESSARY TO RETURN THE SYSTEM TO ITS NORMAL OPERATING CONDITION. NO ADDITIONAL COMPENSATION WILL BE MADE FOR ACCIDENTAL BREAKS, REPAIRS AND TESTING.	2. DIRECTIONAL BORE CASING AND CARRIER PIPE WILL BE PAID BASED ON QUANTITY PROVIDED IN PLANS AND BID TABULATION. NO ADDITIONAL PAYMENT SHALL BE MADE DUE TO CONTRACTOR MEANS AND METHODS, EQUIPMENT CAPABILITIES OR PRESENCE OF ROCK. DURING THE BID, THE CONTRACTOR SHALL ANALYZE THE DIRECTIONAL BORE LENGTHS TO DETERMINE FEASIBILITY BASED UPON SITE CONDITIONS, MEANS AND METHODS, EQUIPMENT TO BE USED, AND THE PRESENCE OF ROCK. NO ADDITIONAL PAYMENTS SHALL BE MADE FOR EXTENSIONS BEYOND PLAN AND BID LENGTHS.
	35. CONTRACTOR SHALL MAINTAIN REASONABLE ACCESS TO EXISTING BUSINESSES AT ALL TIMES. IN THE EVENT OF A DRIVEWAY CLOSURE, THE CONTRACTOR SHALL PROVIDE A "BUSINESS ACCESS" SIGN AT THE AVAILABLE ACCESS POINT UNTIL SUCH TIME THAT ALL ORIGINAL ACCESS POINTS ARE REOPENED.	
	36. THESE PLANS HAVE BEEN PREPARED SUCH THAT ALL WATERMAIN AND FORCEMAIN TO BE PLACED OUT OF SERVICE SHALL BE REMOVED OR GROUTED IN PLACE. WHERE POSSIBLE, CONTRACTOR SHALL MAKE EVERY EFFORT POSSIBLE TO REMOVE EXISTING MAINS WHERE FEASIBLE WITHOUT IMPACTING EXISTING SIDEWALK, LANDSCAPING, PAVEMENT, AND OTHER PUBLIC FACILITIES.	
	37. ALL DRIVEWAYS AND ROADWAY OPEN CUTS WITHIN F.D.O.T. RIGHT-OF-WAY SHALL CONFORM TO THE UTILITIES ACCOMMODATIONS MANUAL. SECTION 4.1.8.2 AS FOLLOWS:	
	1. NOTIFY USERS SEVEN (7) DAYS IN ADVANCE USING DOOR-HANGER TYPE NOTICES OR ON-SITE SIGNS AS APPROPRIATE AND APPROVED BY F.D.O.T.	
	2. MAINTAIN USERS' ACCESS TO THE PROPERTY.	
	3. RESTORE THE DRIVEWAYS TO AT LEAST AN EQUIVALENT CONDITION AND TYPES OF MATERIAL TO WHAT EXISTED PRIOR TO CUTTING.	
Barraco and Associates, Inc. CIVIL ENGINEERING - LAND SURVEYING LAND PLANNING - LANDSCAPE DESIGN 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		
		
1500 MONROE STREET FORT MYERS, FLORIDA 33901 PHONE (239) 533-8181 FAX (239) 485-8845 WWW.LEEGOV.COM/UTILITIES		
PROJECT DESCRIPTION		
U.S. 41 (S.R. 45) TRANSMISSION MAINS		
PHASE 1B TRAILWINDS DRIVE TO SOUTH AIRPORT ROAD		
PART OF SECTION 12 AND 13 TOWNSHIP 45 SOUTH, RANGE 24 EAST FORT MYERS, 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:\23063\DWG\DOIPHASE 1B\		
PLOT DATE TUE. 6-12-2018 - 9:48 AM		
PLOT BY JAN BILDZUKEWICZ		
CROSS REFERENCED DRAWINGS		
PLAN REVISIONS		
PLAN STATUS		
BID SET 2018-06-12		
STANDARD NOTES		
PROJECT / FILE NO.	SHEET NUMBER	
23063	C2.0	



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TOWNSHIP 45 SOUTH,
RANGE 24 EAST
FORT MYERS, LEE COUNTY, FLORIDA

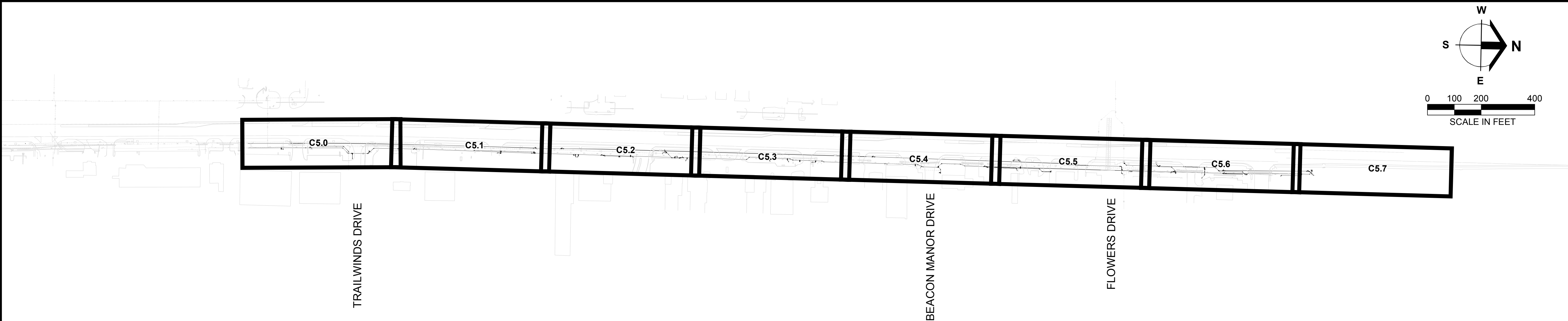
ENGINEER OF RECORD
TIMOTHY B. GAVIN, P.E., FOR THE FIRM
FLORIDA P.E. NO. 70675 - TIMG@BARRACO.NET

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FILE NAME	J:\23063\F06.DWG
LOCATION	J:\23063\DWG\DO\PHASE 1B\
PLOT DATE	TUE. 6-12-2018 - 9:48 AM
PLOT BY	JAN BILDZUKEWICZ

CROSS REFERENCED DRAWINGS	
PLAN REVISIONS	
PLAN STATUS	
BID SET 2018-06-12	

AERIAL PHOTOGRAPH AND EXISTING CONDITIONS	
PROJECT / FILE NO.	SHEET NUMBER
23063	C3.0



UTILITIES PROVIDING SERVICE:
WATER AND SEWER
LEE COUNTY UTILITIES 1500 MONROE ST. FORT MYERS, FL 33901 PHONE (239) 533-8160
TELEPHONE
CENTURYLINK TELEPHONE CO. 5100 DANIELS PARKWAY #300 FORT MYERS, FL 33912 PHONE (239) 590-0440
ELECTRIC
FLORIDA POWER & LIGHT CO. 10650 PALM BEACH BOULEVARD FORT MYERS, FL 33905 PHONE (239) 334-7754
FIRE CONTROL DISTRICT
SOUTH TRAIL FIRE DEPARTMENT 5531 HALIFAX AVENUE FORT MYERS, FL 33912 PHONE (239) 433-0080
GAS
TECO PEOPLE'S GAS 5901 ENTERPRISE PARKWAY FORT MYERS, FL 33905 PHONE (239) 832-6747
SOLID WASTE
WASTE PRO USA 13110 RIEKENBACKER PKWY. FORT MYERS, FL 33913 PHONE (239) 337-0800
IRRIGATION WATER
IRRIGATION SHALL BE PROVIDED BY L.C.D.O.T. 1500 MONROE ST. FORT MYERS, FL 33901 PHONE (239) 533-8109
CABLE TELEVISION:
COMCAST 12641 CORPORATE LAKES DRIVE FORT MYERS, FL 33913 PHONE (239) 908-6571
UTILITY LOCATING SERVICE
SUNSHINE STATE ONE CALL CENTER PHONE 811 (MINIMUM 48 HOURS NOTICE REQUIRED)
FIBER NETS FP&L
15834 WINKLER ROAD FORT MYERS, FL 33908 PHONE (866)-553-4237

GENERAL PROJECT NOTES:

- EXISTING CONDITIONS DEPICTED IN THESE PLANS DO NOT NECESSARILY REFLECT UTILITY AND DRAINAGE ADJUSTMENTS CURRENTLY UNDER CONSTRUCTION BY F.D.O.T.
- ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% AND THE LONGITUDINAL SLOPE SHALL NOT EXCEED 5%, INCLUDING SIDEWALK CROSSINGS AT DRIVEWAYS.
- PROPOSED VALVES, BLOW-OFFS AND OTHER UTILITY APPURTENANCES SHALL NOT BE LOCATED WITHIN PROPOSED OR EXISTING SIDEWALKS UNLESS SPECIFICALLY APPROVED BY LEE COUNTY UTILITIES.
- THE MINIMUM DEPTH OF COVER FOR BURIED PIPE SHALL BE 30 INCHES. THE MINIMUM DEPTH UNDER ROADWAY PAVEMENT SHALL BE 36" PER 2017 U.A.M 3.16.4.
- ALL EXISTING MAINS TO BE TAKEN OUT OF SERVICE SHALL BE REMOVED WITH THE EXCEPTION OF MAINS SHOWN TO BE GROUTED ON SHEETS C7.0 - C7.1.
- THE CONTRACTOR SHALL REFERENCE LEE COUNTY SPECIFICATIONS AND LEE COUNTY WATER AND SEWER EXTENSION POLICY FOR ADDITIONAL REQUIREMENTS.
- WHERE TRACER WIRE DOES NOT PROVIDE ACCURATE SIGNAL FOR LOCATION OF EXISTING WATERMAIN OR FORCEMAIN PIPE SOFT DIG HOLE EVERY 100 FEET TO LOCATE PIPE.
- BETWEEN AIR RELEASE VALVES THERE SHALL BE NO HIGH POINTS IN PIPE. CONTRACTOR SHALL ADJUST PIPE DEPTH OF COVER AS NECESSARY TO MEET THIS REQUIREMENT.
- ALL DISTURBED AREAS SHALL RECEIVE SOD UPON COMPLETION OF CONSTRUCTION AS SOON AS POSSIBLE TO LIMIT EROSION OF THE EXPOSED SOILS.
- PAVEMENT DAMAGED BEYOND THE LIMITS SHOWN SHALL BE REPAIRED BY THE CONTRACTOR. REPAIRS SHALL INCORPORATE THE ENTIRE LENGTH OF DAMAGE FOR THE FULL WIDTH OF A TRAVEL LANE. NO ADDITIONAL COMPENSATION SHALL BE MADE.
- DRIVEWAY AND SIDEWALK REPLACEMENT SHALL BE FROM EDGE OF PAVEMENT / CONCRETE TO THE NEAREST EXPANSION JOINT OR RIGHT-OF-WAY LINE, WHICHEVER IS CLOSEST TO INSTALLED UTILITY.
- TREES THAT ARE REPLACED IN-KIND SHALL BE PLACED AT THE DIRECTION OF THE ENGINEER, BUT SHALL NOT BE PLANTED DIRECTLY OVER THE NEWLY INSTALLED UTILITY.
- HORIZONTAL DIRECTIONAL DRILL GEOMETRY OF 13° ENTRANCE AND EXIT ANGLES AND 450' BENDING RADIUS SHOWN FOR REFERENCE ONLY. VERTICAL AND HORIZONTAL CLEARANCES SHALL BE STRICTLY OBSERVED. THE CONTRACTOR MAY ADJUST THE ENTRY AND EXIT ANGLES AND RADIUS OF CURVATURE AS REQUIRED BASED ON FIELD CONDITIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION AND THE CAPABILITIES OF THE EQUIPMENT UTILIZED. ANY MODIFICATIONS SHALL BE COORDINATED WITH THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONSTRUCT HORIZONTAL AND VERTICAL TRANSITION OF FORCEMAINS AND WATERMAINS USING NO MORE THAN 75% OF THE MAXIMUM ALLOWABLE DEFLECTION RECOMMENDED BY THE PIPE MANUFACTURER. SHOP DRAWINGS SHALL BE FURNISHED TO THE ENGINEER FOR APPROVAL OF ALL PIPE CONNECTIONS, TRANSITIONS, ETC. PRIOR TO FABRICATION OR DELIVERY TO JOB SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WASTEWATER SPILLS THAT OCCUR DURING CONSTRUCTION AND FOR ASSOCIATED MONETARY FINES FROM STATE REGULATORY AGENCIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL WASTE MATERIAL TO INCLUDE EXCESS SPOILS, DRILLING FLUID, DEMOLITION DEBRIS AND ROCK. CONTRACTOR SHALL TRANSPORT AND DISPOSE OF ALL MATERIAL AT AN OFF-SITE FACILITY MEETING ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.
- CONTRACTOR TO COORDINATE BRACING, PROTECTION AND OR RELOCATION OF EXISTING UTILITIES WITH THE UTILITY OWNER. ANY COST ASSOCIATED WITH THESE UTILITIES IS CONSIDERED INCIDENTAL TO THE PIPE INSTALLATION AND SHALL BE BORNE

BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION SHALL BE MADE.

- ALL EXISTING MAINS WHICH ARE TO BE REPLACED AS PART OF THIS PROJECT SHALL BE REMOVED WHERE PRACTICAL. ANY EXISTING MAINS NOT DEPICTED IN THESE PLANS WHICH ARE UNCOVERED DURING CONSTRUCTION SHALL BE REMOVED OR GROUTED IN PLACE, AS DIRECTED BY THE ENGINEER OF RECORD, ONCE PROPOSED REPLACEMENT MAIN IS PUT INTO SERVICE.
- ALL EXISTING FIRE HYDRANTS WHICH ARE TO BE REMOVED AND RELOCATED MAY BE RELOCATED AT OWNER'S DISCRETION. AT THE TIME OF CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE TO DETERMINE WHETHER REPLACEMENT IS WARRANTED.
- ALL ASBESTOS CONCRETE PIPE TO BE REMOVED AND DISPOSED OF SHALL BE PERFORMED BY A CONTRACTOR LICENSED AND CERTIFIED TO DO SO AND SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS, INCLUDING, BUT NOT LIMITED TO, THOSE OF F.D.E.P., O.S.H.A., AND F.D.O.T.
- REQUIRED CONSTRUCTION STAKING BY A LICENSED STATE OF FLORIDA P.S.M. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COST OF CONSTRUCTION STAKING SHALL BE PAID FOR UNDER MISC. BID TABULATION ITEMS, AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS SERVICE.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN CONTINUOUS OPERATION OF ALL TRAFFIC SIGNALS, STREET LIGHTING, IRRIGATION SYSTEMS, DRAINAGE SYSTEMS, AND ANY OTHER ABOVE GROUND OR UNDERGROUND UTILITIES WITHIN THE CONSTRUCTION LIMITS OR FACILITIES AFFECTED BY CONSTRUCTION.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN PEDESTRIAN ACCESS WITHIN THE CONSTRUCTION LIMITS. IF NOT FEASIBLE DUE TO SAFETY CONCERNS, AND UPON APPROVAL, THE CONTRACTOR MAY PROVIDE PROPER SIGNAGE AND CONTROLS TO CLOSE LIMITED SIDEWALKS WITHIN THE RIGHT-OF-WAY. CLOSURE SHALL BE AT THE COST OF THE CONTRACTOR AND DETOURS MUST BE PROVIDED TO DIRECT AND RE-DIRECT PEDESTRIAN PATTERNS AT CONTROLLED INTERSECTIONS.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO OBTAIN STILL PHOTOS AND VIDEO TAPING OF THE ENTIRE PROJECT LIMITS OF ALL EXISTING AND NEAR FACILITIES WITHIN THE CONSTRUCTION WORK AREA. COPIES OF THE COMPLETE REPORT SHALL BE REQUIRED PRIOR TO THE START OF CONSTRUCTION.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PHASE THE PROJECT TO NO MORE THAN 1 MILE OF "ACTIVE" (DISTURBED/UNFINISHED) WORK ZONE TO MINIMIZE THE IMPACT TO THE U.S. 41 CORRIDOR. THE CONTRACTOR SHALL COMPLETE SURFACE WORK (SIDEWALKS, FINAL PAVEMENT ON DRIVEWAYS/ROADWAYS, FINAL GRASSING ETC.) PRIOR TO PROCEEDING WITH PROPOSED UTILITY INSTALLATION.

PIPE SUMMARY TABLE	
WATERMAIN	
3" DR-18 PVC WATERMAIN	2 L.F.
4" DR-18 PVC WATERMAIN	61 L.F.
6" DR-18 PVC WATERMAIN	434 L.F.
6" DR-14 PVC WATERMAIN	125 L.F.
8" DR-18 PVC WATERMAIN	232 L.F.
10" DR-18 PVC WATERMAIN	115 L.F.
16" D.I.P. WATERMAIN	2,496 L.F.
20" DR-11 HDPE WATERMAIN	1,563 L.F.
FORCEMAIN	
4" DR-18 PVC FORCEMAIN	45 L.F.
4" DR-14 PVC FORCEMAIN	10 L.F.
14" DR-11 HDPE FORCEMAIN	2,419 L.F.
12" DR-18 PVC FORCEMAIN	697 L.F.
12" DR-14 PVC FORCEMAIN	173 L.F.
8" DR-11 HDPE FORCEMAIN	305 L.F.
6" DR-18 PVC FORCEMAIN	552 L.F.
6" DR-14 PVC FORCEMAIN	127 L.F.

SUBSURFACE INVESTIGATION:

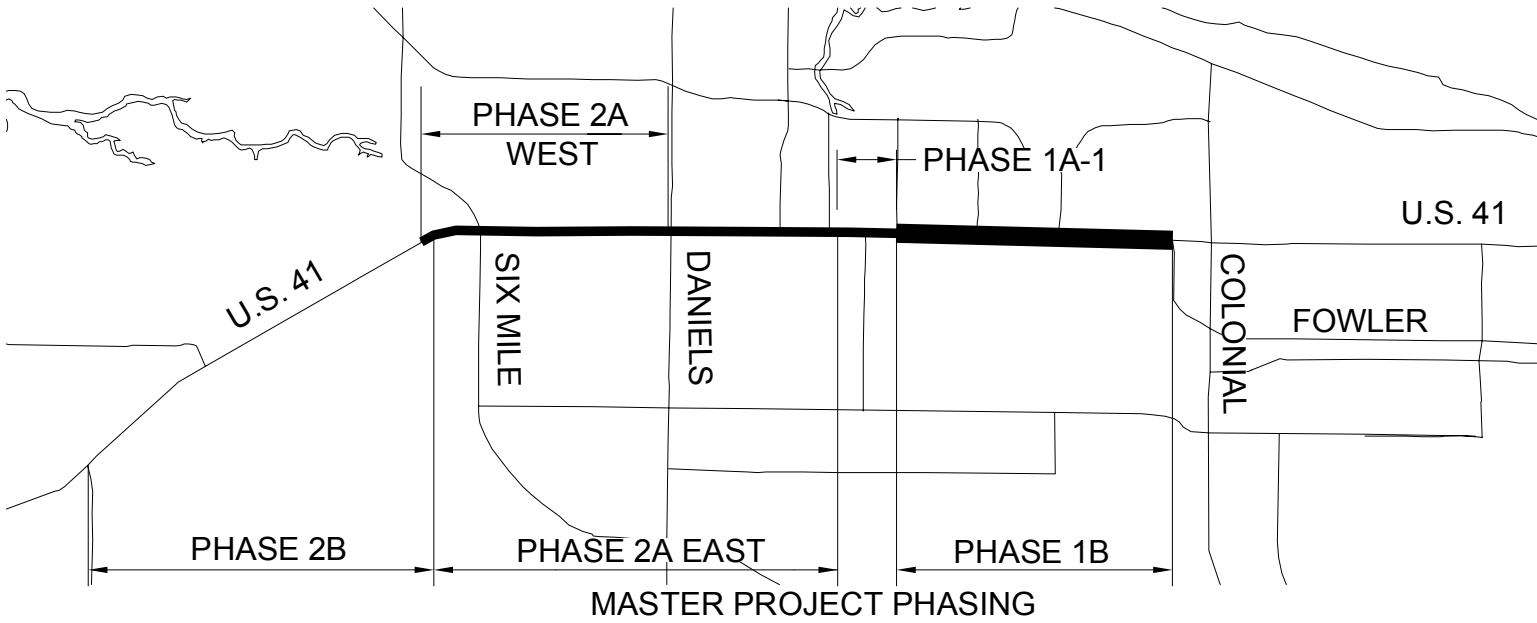
- SOIL BORING RECORDS WERE OBTAINED FOR THE PROJECT BY GFA INTERNATIONAL, INC. THE REPORTS WERE GENERATED ONLY FOR THE ENGINEER'S USE IN DESIGN. THE REPORT IS INCLUDED IN THE BID DOCUMENTS AS A COURTESY, BUT IS NOT A WARRANTY OR GUARANTEE OF SUBSURFACE CONDITIONS.
- BIDDERS SHOULD VISIT THE SITE AND ACQUAINT THEMSELVES WITH ALL EXISTING CONDITIONS. PRIOR TO BIDDING, BIDDERS MAY MAKE THEIR OWN SUBSURFACE INVESTIGATIONS (AS APPROVED BY THE STATE) TO SATISFY THEMSELVES AS TO SITE AND SUBSURFACE CONDITIONS, BUT ALL SUCH INVESTIGATIONS SHALL BE PREFORMED UNDER TIME SCHEDULES AND ARRANGEMENTS APPROVED IN ADVANCE BY THE OWNER.
- ALL COSTS OF ROCK EXCAVATION SHALL BE INCLUDED IN THE APPROPRIATE ITEMS OF WORK CONTAINED WITHIN THE CONTRACT. NO EXTRA COMPENSATION OR TIME EXTENSION WILL BE ALLOWED FOR ADDITIONAL WORK DIRECTLY OR INDIRECTLY ASSOCIATED WITH THE PRESENCE, SPLITTING, EXCAVATING, CRUSHING, DISPOSAL, REPLACEMENT OF DISPLACED VOLUME OF EXTRACTED ROCK WITH FILL MATERIAL OR SPECIAL HANDLING OF ROCK.

MAINTENANCE OF TRAFFIC:

THESE NOTES ARE FOR WORK IN LEE COUNTY DEPARTMENT OF TRANSPORTATION (LCDOT) RIGHT-OF-WAYS ONLY. FOR WORK WITHIN F.D.O.T. RIGHT-OF-WAYS REFER TO F.D.O.T. PERMIT.

- MAINTENANCE OF TRAFFIC (M.O.T.) PLANS ARE REQUIRED TO BE SUBMITTED BY THE CONTRACTOR FOR VEHICULAR AND PEDESTRIAN TRAFFIC. THIS PLAN SHOULD BE SUBMITTED AND APPROVED BY THE L.C.D.O.T. AT LEAST 14 DAYS PRIOR TO MOBILIZATION. M.O.T. PLANS SHALL INCLUDE, BUT NOT LIMITED TO, DETAILS OF ALLOWED LANE CLOSURES, PEDESTRIAN ACCESS CLOSURES, AND HOURS OF OPERATION.
- ACCESS FOR LOCAL TRAFFIC WITH DESTINATIONS WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED. IF DURING CONSTRUCTION ACCESS FOR LOCAL TRAFFIC IS CHANGED, THE CONTRACTOR SHALL NOTIFY THE L.C.D.O.T. A MINIMUM OF THREE (3) WORKING DAYS IN ADVANCE. IF DURING CONSTRUCTION ROAD CLOSURES ARE REQUIRED AND APPROVED BY LEE COUNTY, THE CONTRACTOR SHALL NOTIFY THE L.C.D.O.T. A MINIMUM OF FIVE (5) WORKING DAYS IN ADVANCE.
- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL BARRICADES, WARNING SIGNS, AND MARKINGS FOR HAZARDS AND THE CONTROL OF TRAFFIC, IN REASONABLE CONFORMITY WITH THE U.S. DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, OR AS DIRECTED BY THE L.C.D.O.T., SUCH AS TO EFFECTIVELY PREVENT ACCIDENTS IN ALL PLACES WHERE THE WORK CAUSES OBSTRUCTION TO THE NORMAL TRAFFIC PATTERN OR CONSTITUTES IN ANY WAY A HAZARD TO THE PUBLIC.
- THE CONTRACTOR SHALL COORDINATE AND OBTAIN APPROVAL FOR ALL LANE CLOSURES WITHIN LEE COUNTY RIGHT-OF-WAYS WITH L.C.D.O.T. A MINIMUM OF 14 DAYS PRIOR TO THE REQUIRED CLOSINGS.
- THE CONTRACTOR SHALL COORDINATE AND OBTAIN APPROVAL FOR ALL LANE CLOSURES WITHIN U.S. 41 RIGHT-OF-WAYS WITH F.D.O.T. A MINIMUM OF 14 DAYS PRIOR TO THE REQUIRED CLOSINGS.

CONSTRUCTION PHASING:



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LAND PLANNING - LANDSCAPE DESIGN
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2271 MCGREGOR BLVD., SUITE 100
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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

UTILITIES
LEE COUNTY
1500 MONROE STREET
FORT MYERS, FLORIDA 33901
PHONE (239) 533-8181
FAX (239) 485-8845
WWW.LEEGOV.COM/UTILITIES

PROJECT DESCRIPTION

U.S. 41 (S.R. 45)
TRANSMISSION MAINS
PHASE 1B
TRAILWINDS DRIVE TO
SOUTH AIRPORT ROAD
PART OF SECTION 12 AND 13
TOWNSHIP 45 SOUTH,
RANGE 24 EAST
FORT MYERS, 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 | 23063F12.DWG

LOCATION | J:\23063\DWG\DO\PHASE 1B\

PLOT DATE | TUE. 6-12-2018 - 9:49 AM

PLOT BY | JAN BILDZUKEWICZ

CROSS REFERENCED DRAWINGS

BASEPLAN = 23063A00.DWG

PLAN REVISIONS

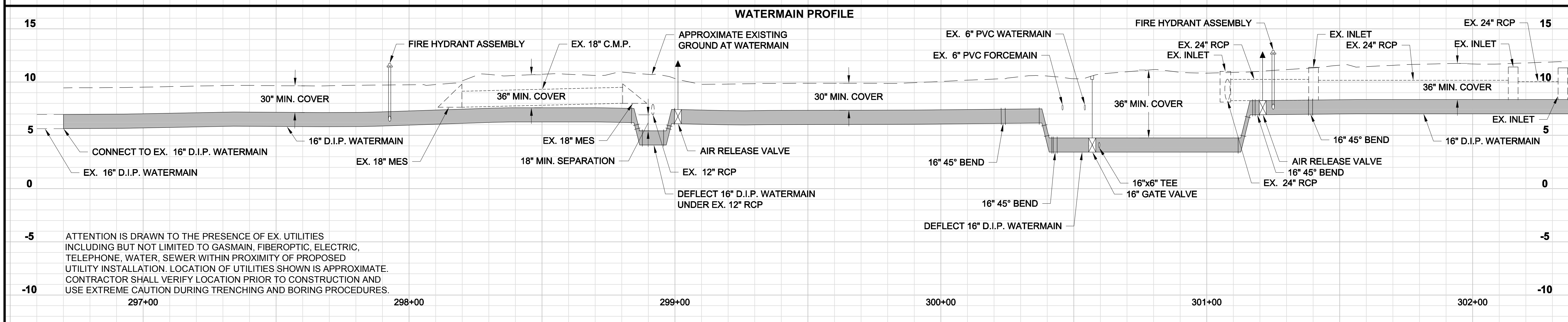
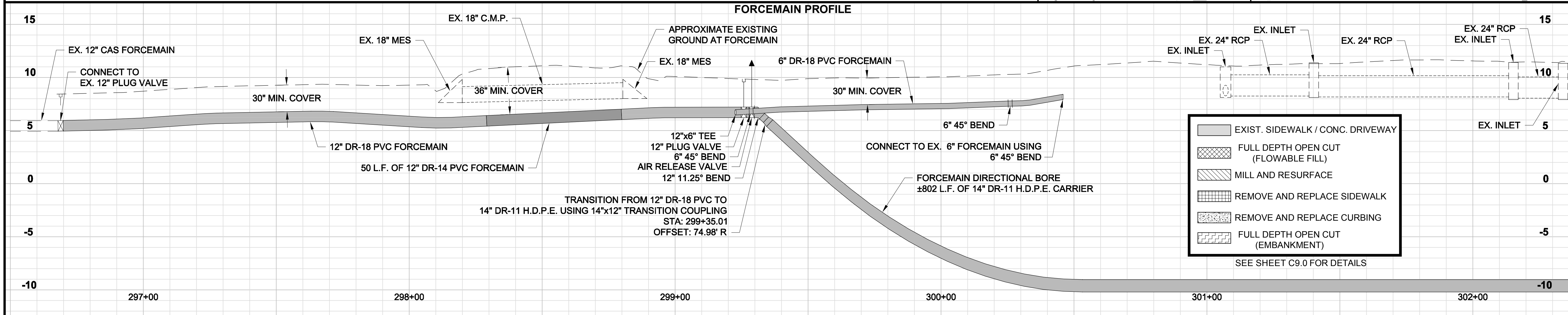
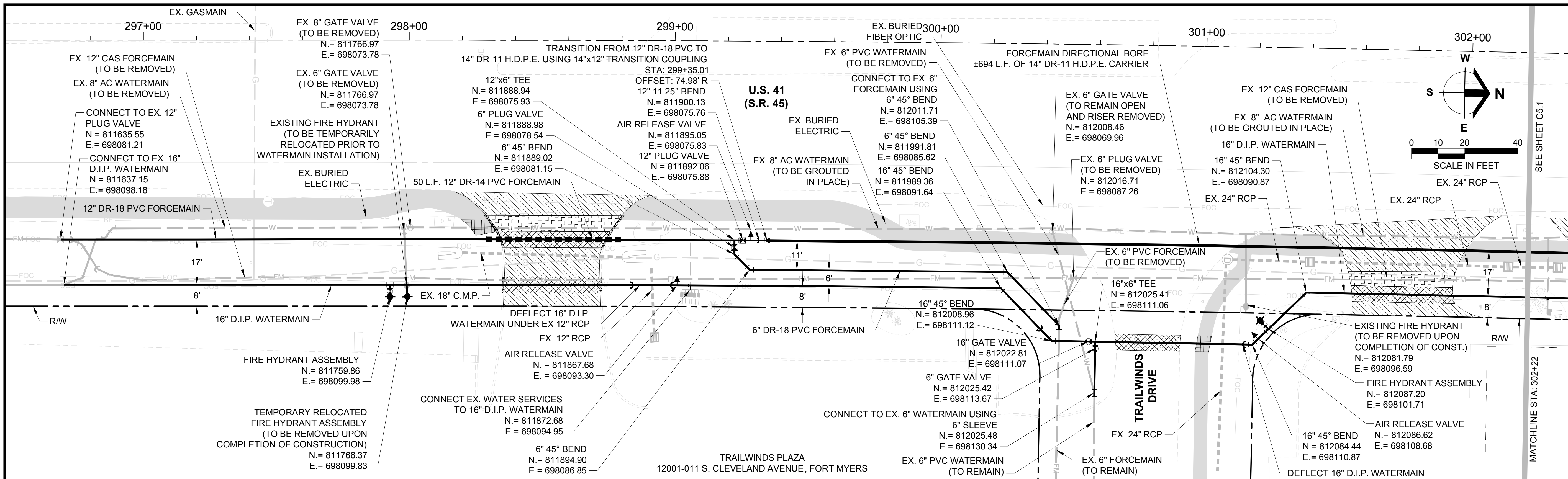
PLAN STATUS

BID SET
2018-06-12

MASTER UTILITY PLAN
KEY SHEET
AND NOTES

PROJECT / FILE NO. | **23063**

SHEET NUMBER | **C4.0**



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TRANSMISSION MAINS
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TRAILWINDS DRIVE TO
SOUTH AIRPORT ROAD

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LOCATION J:\23063\DWG\DO\PHASE 1B\

PLOT DATE TUE. 6-12-2018 - 9:50 AM

PLOT BY JAN BILDZUKIEWICZ

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BASEPLAN = 23063A00.DWG
PROFILE = 23063C00P.DWG
SURVEY = 23063S00.DWG

PLAN REVISIONS

PLAN STATUS

BID SET
2018-06-12

PLAN AND PROFILE
U.S. 41
STA: 296+68 TO 302+22

PROJECT / FILE NO. **23063**

SHEET NUMBER **C5.0**

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PROJECT DESCRIPTION

U.S. 41 (S.R. 45) TRANSMISSION MAINS

PHASE 1B

TRAILWINDS DRIVE TO
SOUTH AIRPORT ROAD

PART OF SECTION 12 AND 13
TOWNSHIP 45 SOUTH,
RANGE 24 EAST
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LOCATION	J:\23063\DWG\DO\PHASE 1B\
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PLOT DATE	TUE 6-12-2018 - 9:50 AM
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PLOT BY	JAN BIL DZUKIEWICZ
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CROSS REFERENCE

PROFIL E = 23063C00P.DWG

SURVEY = 23063S00.DWG

PLAN REVISIONS

PLAN STATUS

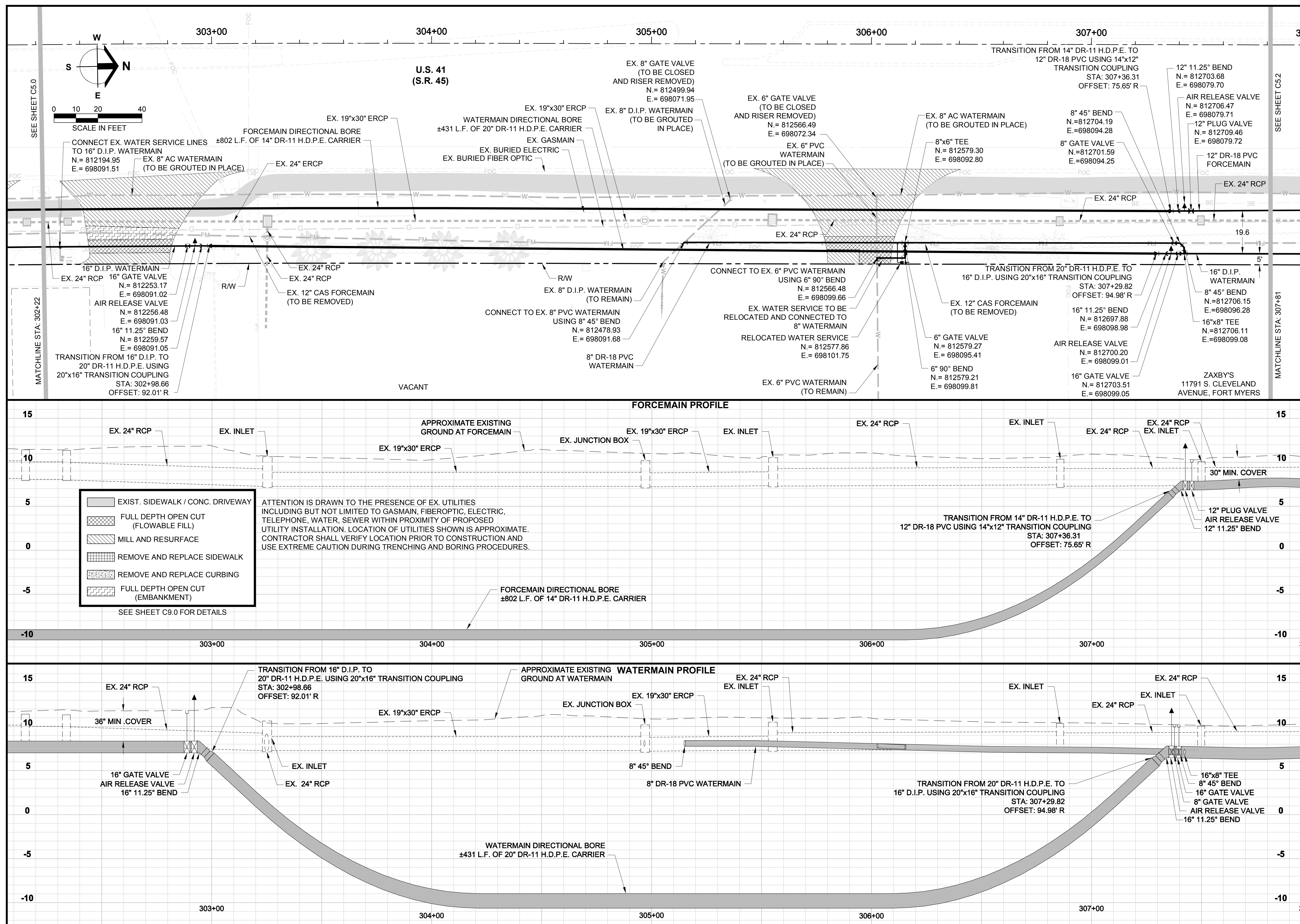
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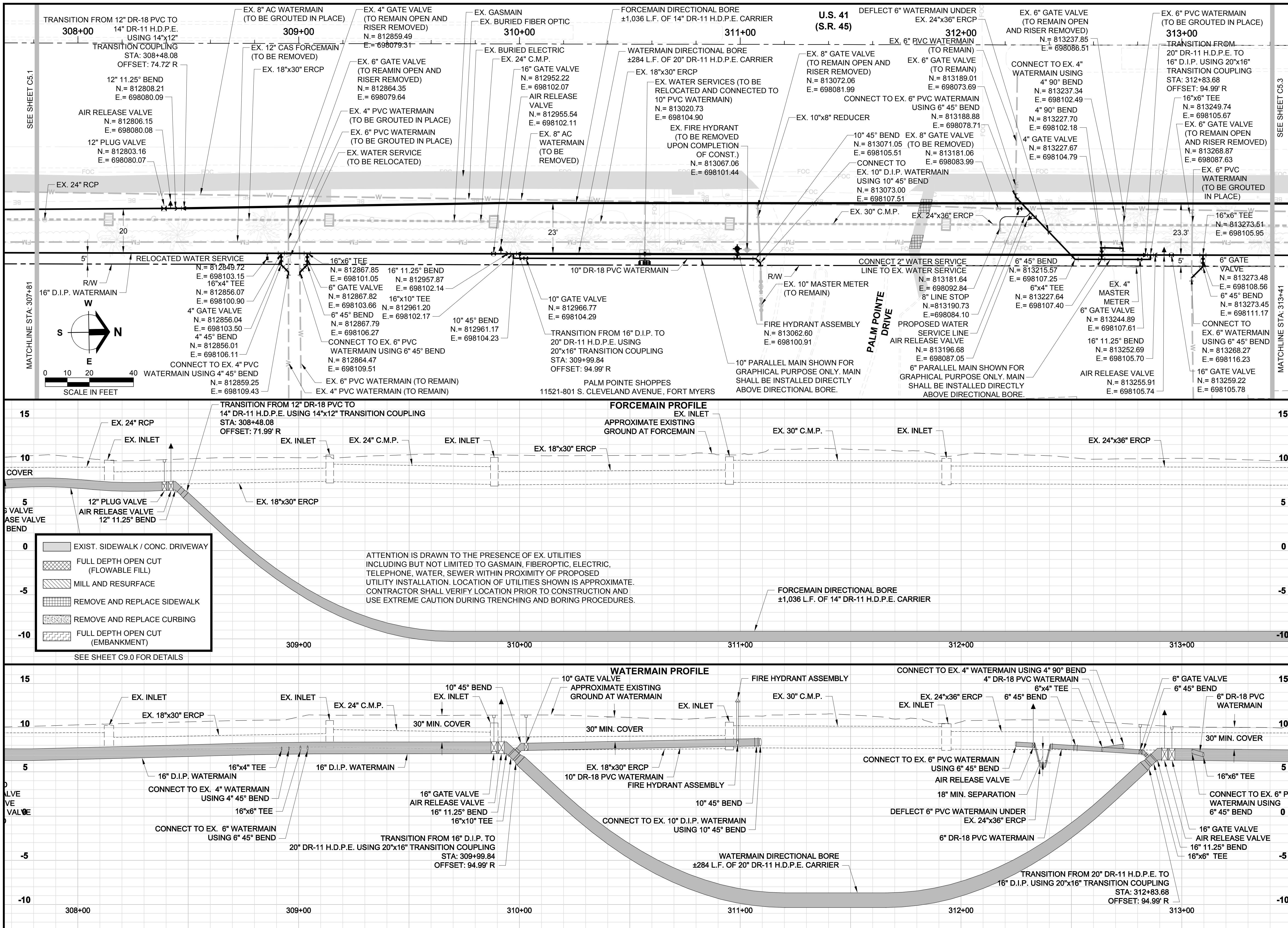
PLAN AND PROFILE
U.S. 44

STA: 302+22 TO 307+81

PROJECT / FILE NO. _____

SHEET NUMBER





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LOCATION = J:\23063\DWG\DO\PHASE 1B\

PLOT DATE = TUE. 6-12-2018 - 9:51 AM

PLOT BY = JAN BILDZUKIEWICZ

CROSS REFERENCED DRAWINGS

BASEPLAN = 23063A00.DWG
PROFILE = 23063C00P.DWG
SURVEY = 23063S00.DWG

PLAN REVISIONS

PLAN STATUS

BID SET
2018-06-12

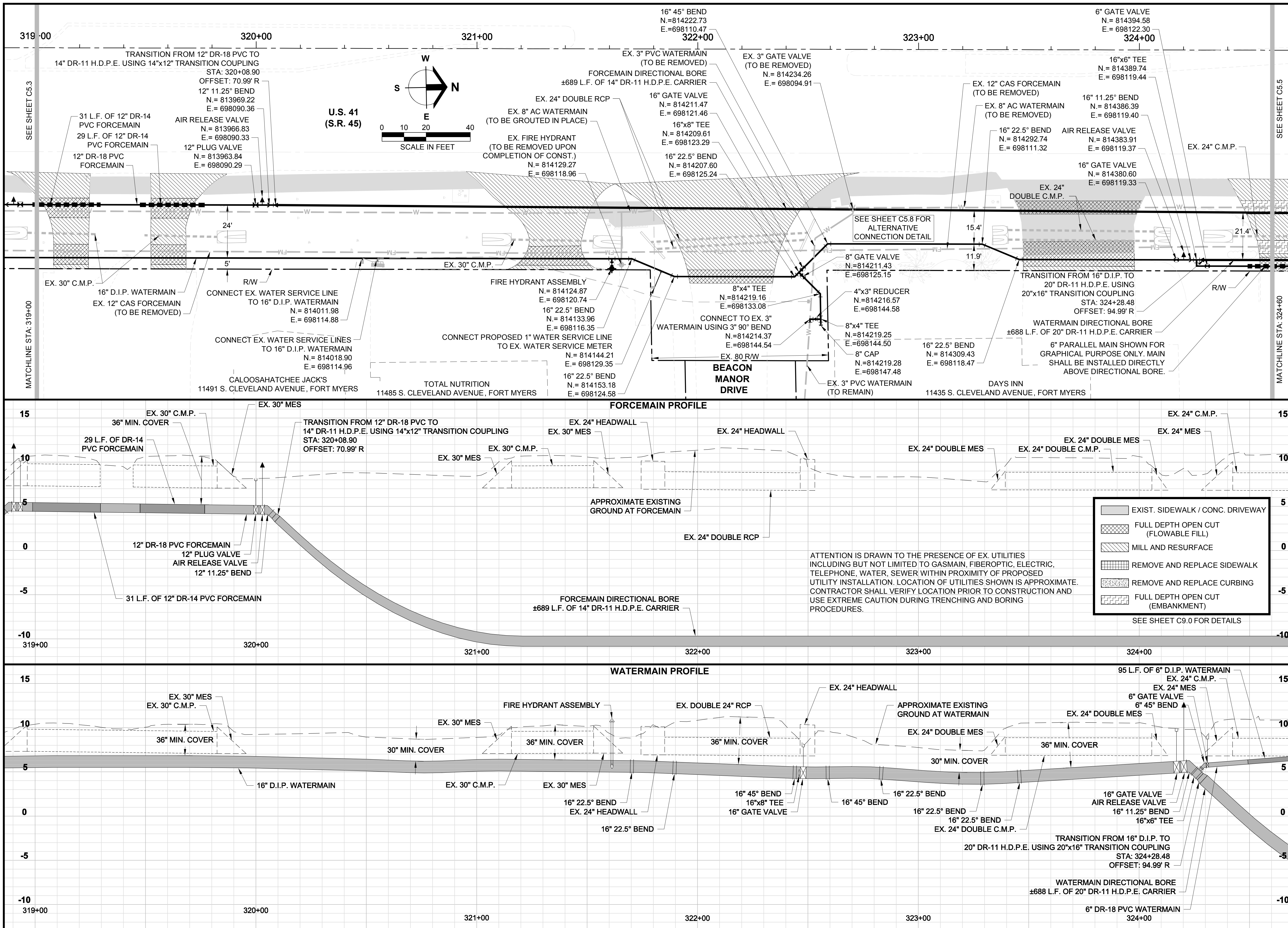
PLAN AND PROFILE
U.S. 41
STA: 307+81 TO 313+41

PROJECT / FILE NO.

23063

SHEET NUMBER

C5.2



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PROJECT DESCRIPTION

U.S. 41 (S.R. 45)
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PHASE 1B
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SOUTH AIRPORT ROAD

PART OF SECTION 12 AND 13
TOWNSHIP 45 SOUTH,
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LOCATION J:\23063\DWG\DOIPHASE 1B

PLOT DATE TUE. 6-12-2018 - 9:51 AM

PLOT BY JAN BILDZUKIEWICZ

CROSS REFERENCED DRAWINGS

BASEPLAN = 23063A00.DWG
PROFILE = 23063C00P.DWG
SURVEY = 23063S00.DWG

PLAN REVISIONS

PLAN STATUS

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2018-06-12

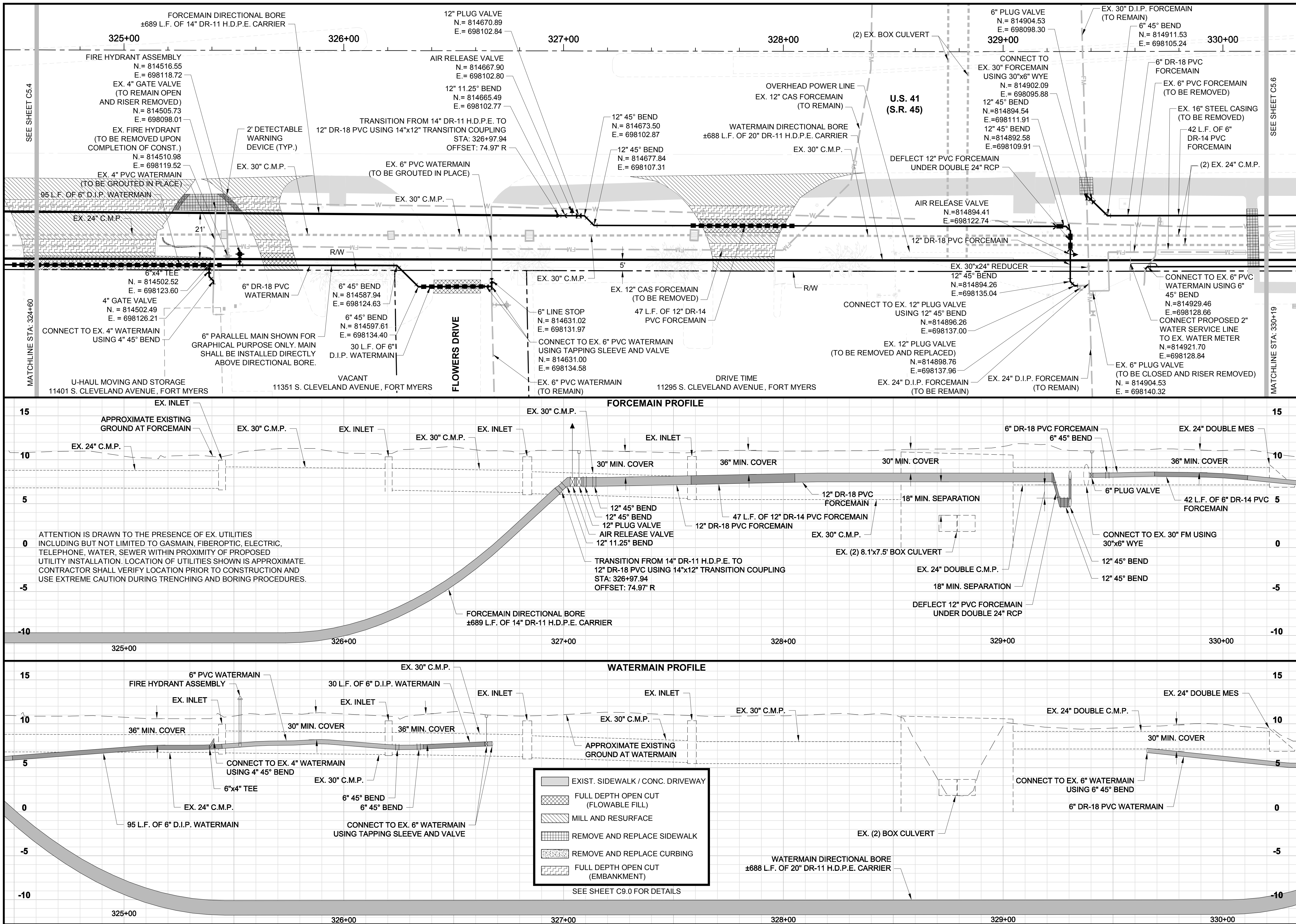
PLAN AND PROFILE
U.S. 41
STA: 319+00 TO 324+60

PROJECT / FILE NO.

23063

SHEET NUMBER

C5.4

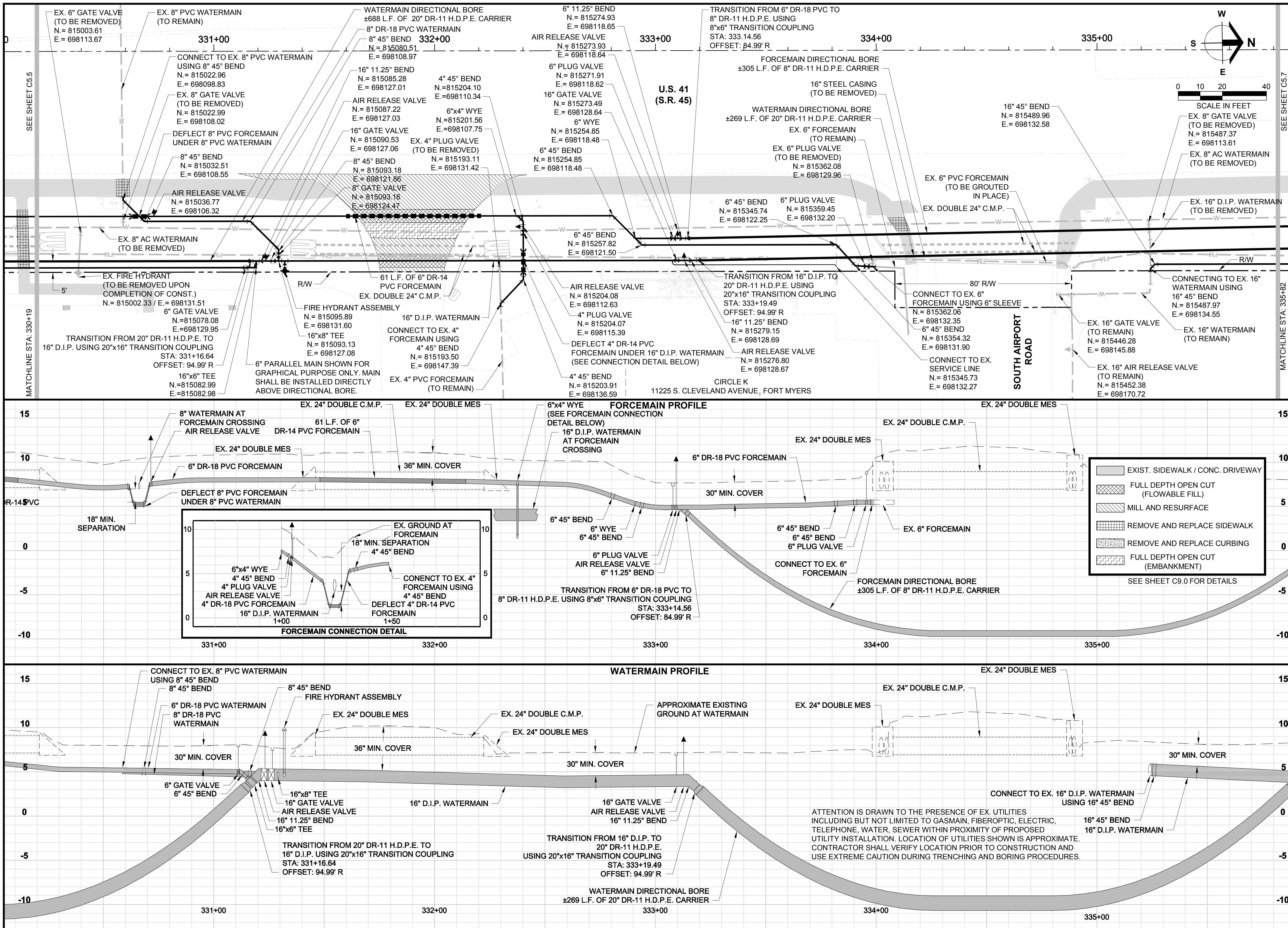


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PLOT BY = JAN BILDZUKIEWICZ
CROSS REFERENCED DRAWINGS
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PROFILE = 23063C00P.DWG
SURVEY = 23063S00.DWG
PLAN REVISIONS
PLAN STATUS
BID SET
2018-06-12
PLAN AND PROFILE
U.S. 41
STA: 324+60 TO 330+19
PROJECT / FILE NO.
23063
SHEET NUMBER
C5.5

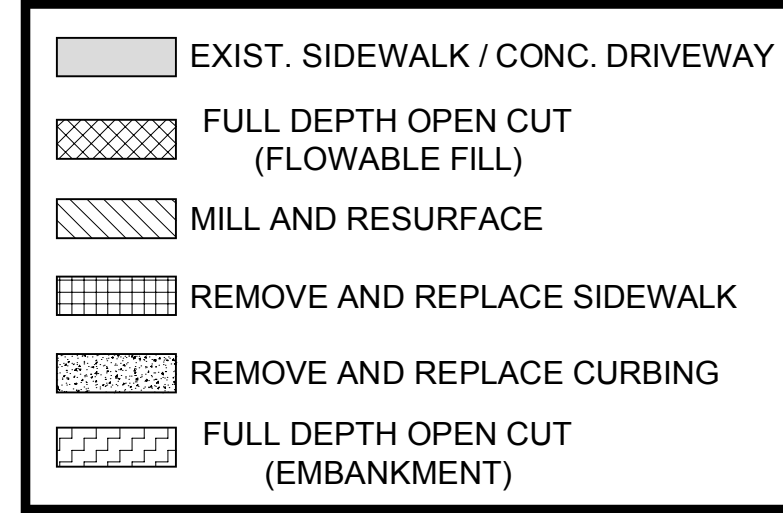
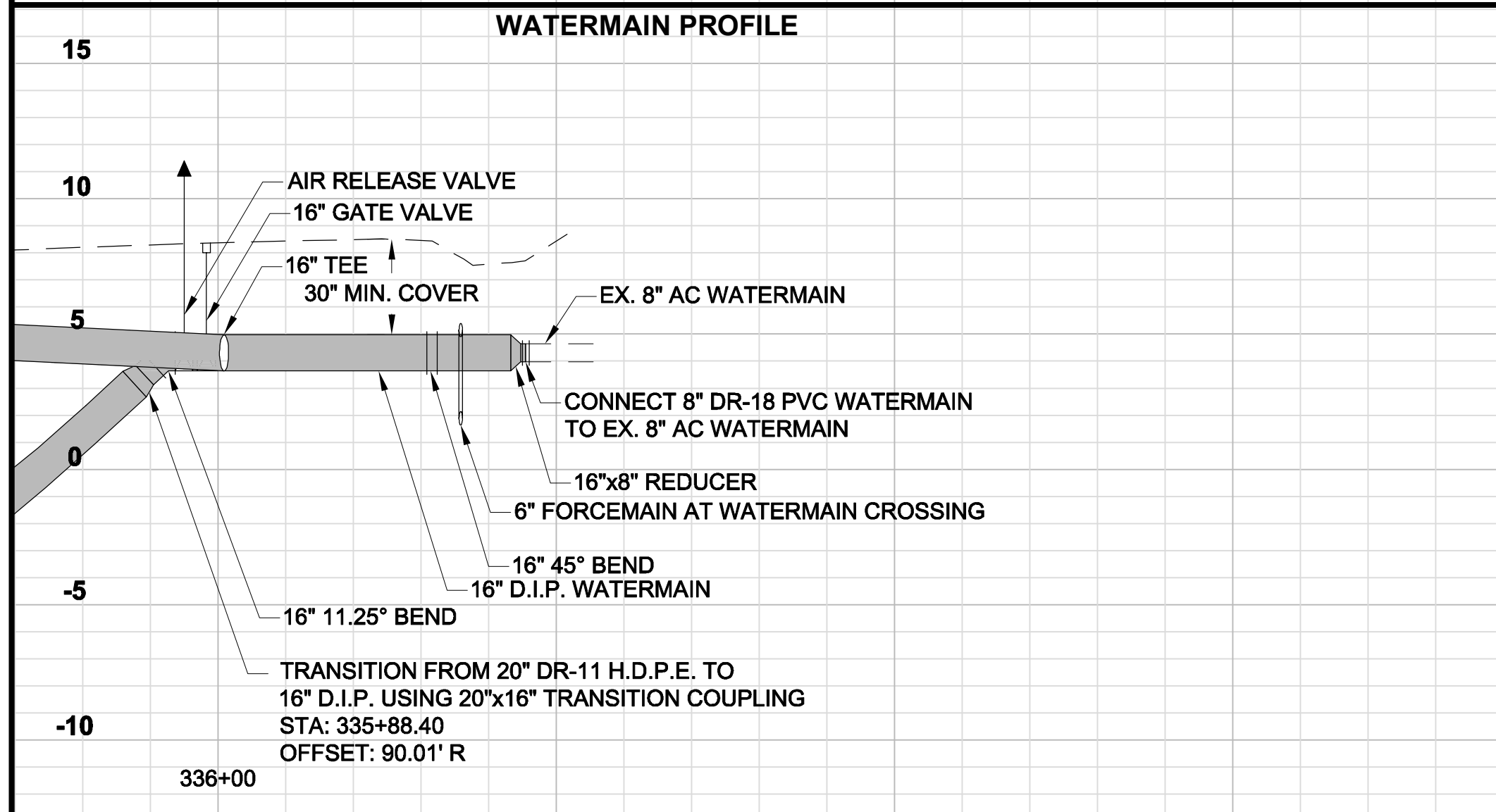
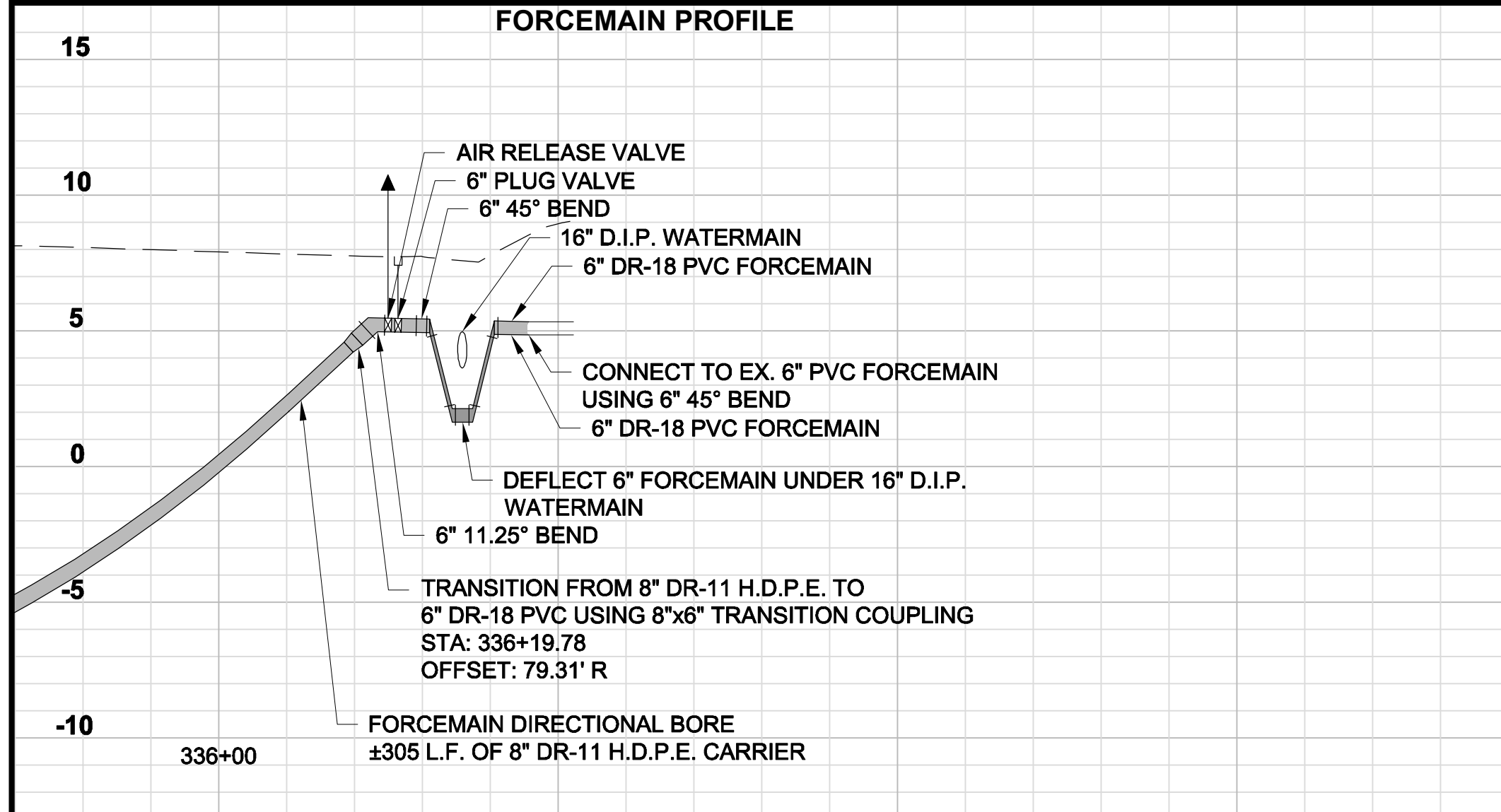
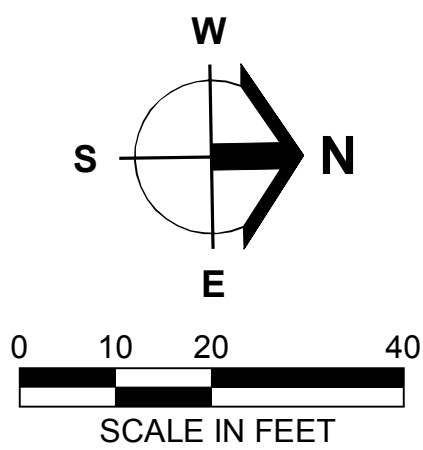
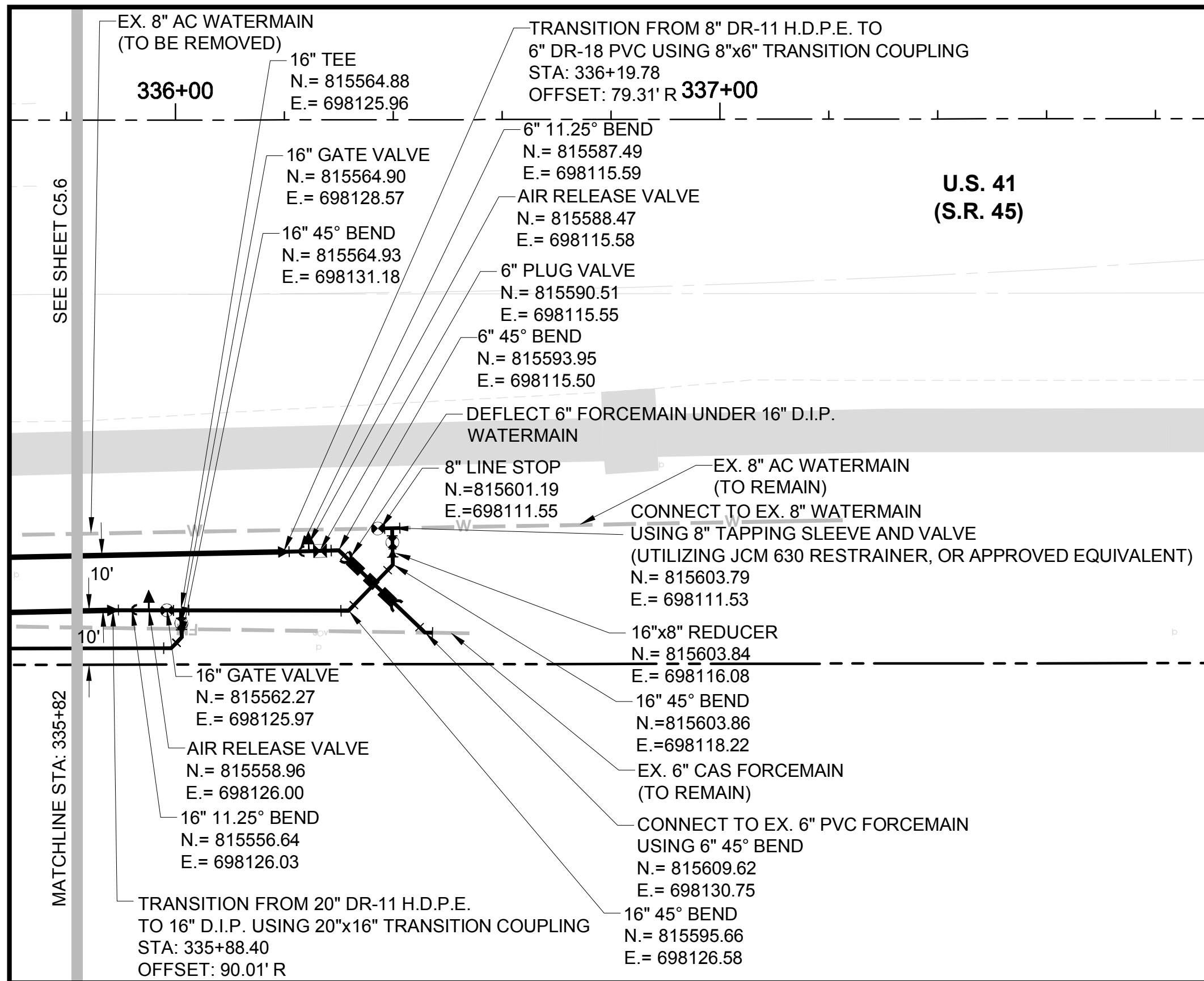


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ENGINEERING 7995 - SURVEYING LB-6940
PREPARED FOR

UTILITIES
LEE COUNTY
1500 MONROE STREET
FORT MYERS, FLORIDA 33901
PHONE (239) 533-8181
FAX (239) 486-8845
WWW.LEEGOV.COM/UTILITIES

PROJECT DESCRIPTION
U.S. 41 (S.R. 45)
TRANSMISSION MAINS
PHASE 1B
TRAILWINDS DRIVE TO
SOUTH AIRPORT ROAD
PART OF SECTION 12 AND 13
TOWNSHIP 45 SOUTH,
RANGE 24 EAST
FORT MYERS, 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. 6-12-2018 - 9:52 AM
PLOT BY JAN BILDZUKIEWICZ
CROSS REFERENCED DRAWINGS
BASEPLAN = 23063A00.DWG
PROFILE = 23063C00P.DWG
SURVEY = 23063S00.DWG
PLAN REVISIONS
PLAN STATUS
BID SET
2018-06-12
PLAN AND PROFILE
U.S. 41
STA:330+19 TO 335+82
PROJECT / FILE NO. **23063** SHEET NUMBER **C5.6**



ATTENTION IS DRAWN TO THE PRESENCE OF EX. UTILITIES INCLUDING BUT NOT LIMITED TO GASMAIN, FIBEROPTIC, ELECTRIC, TELEPHONE, WATER, SEWER WITHIN PROXIMITY OF PROPOSED UTILITY INSTALLATION. LOCATION OF UTILITIES SHOWN IS APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATION PRIOR TO CONSTRUCTION AND USE EXTREME CAUTION DURING TRENCHING AND BORING PROCEDURES.

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PROJECT DESCRIPTION

U.S. 41 (S.R. 45)

TRANSMISSION MAINS

PHASE 1B

TRAILWINDS DRIVE TO
SOUTH AIRPORT ROAD

PART OF SECTION 12 AND 13
TOWNSHIP 45 SOUTH,
RANGE 24 EAST
FORT MYERS, LEE COUNTY, FLORIDA

ENGINEER OF RECORD
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LOCATION J:\23063\DWG\DOIPHASE 1B\

PLOT DATE TUE. 6-12-2018 - 9:52 AM

PLOT BY JAN BILDZUKEWICZ

CROSS REFERENCED DRAWINGS

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SURVEY = 23063S00.DWG

PLAN REVISIONS

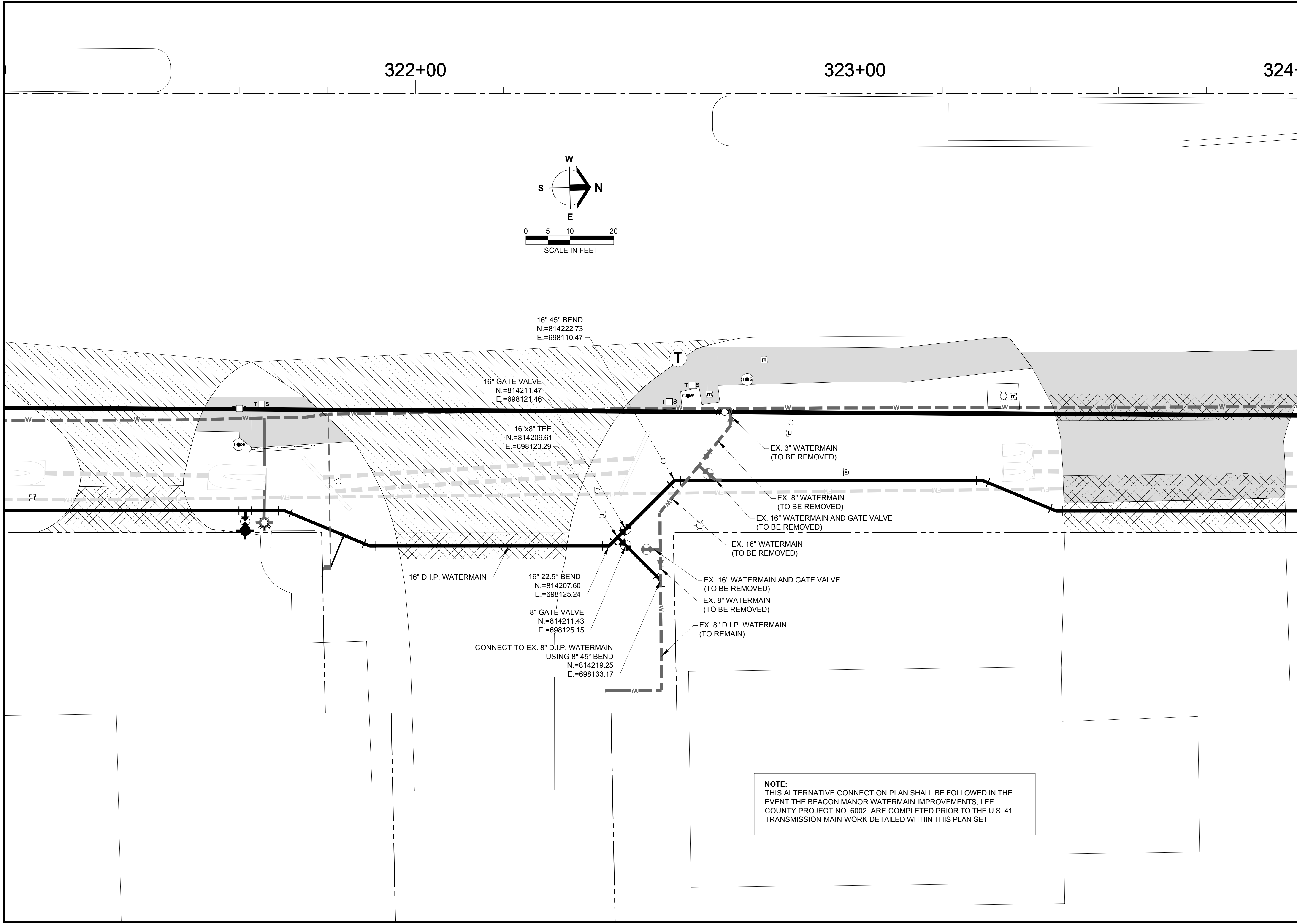
PLAN STATUS

BID SET
2018-06-12

PLAN AND PROFILE
U.S. 41
STA: 335+82 TO END

PROJECT / FILE NO. 23063

SHEET NUMBER C5.7



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PREPARED FOR

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LEE COUNTY**

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FORT MYERS, FLORIDA 33901
PHONE (239) 533-8181
FAX (239) 485-8845
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PROJECT DESCRIPTION

**U.S. 41 (S.R. 45)
TRANSMISSION MAINS**
PHASE 1B
TRAILWINDS DRIVE TO
SOUTH AIRPORT ROAD

PART OF SECTION 12 AND 13
TOWNSHIP 45 SOUTH,
RANGE 24 EAST
FORT MYERS, LEE COUNTY, FLORIDA

ENGINEER OF RECORD
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LOCATION | J:\23063\DWG\DO\PHASE 1B\

PLOT DATE | TUE. 6-12-2018 - 9:53 AM

PLOT BY | JAN BILDZUKEWICZ

CROSS REFERENCED DRAWINGS

SURVEY = 23063S00.DWG

PLAN REVISIONS

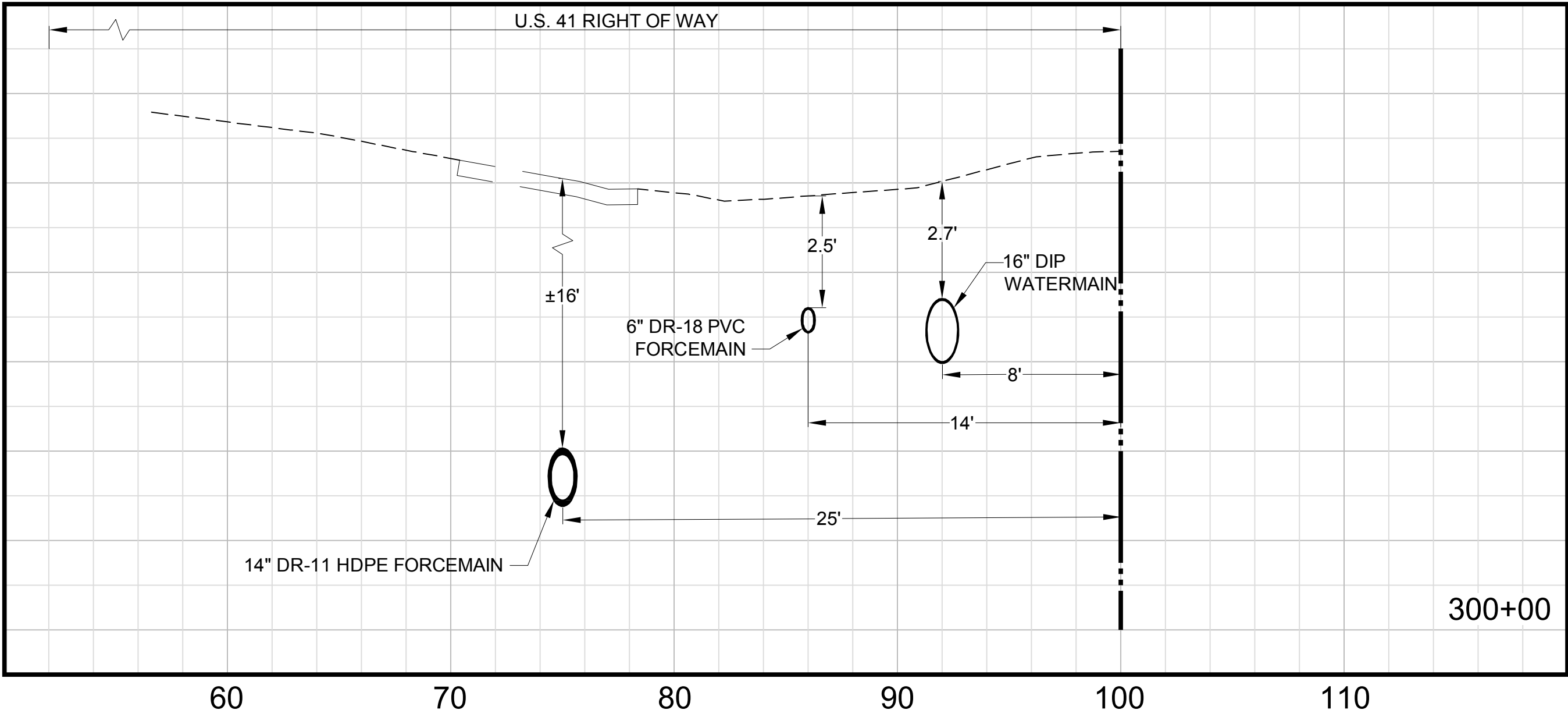
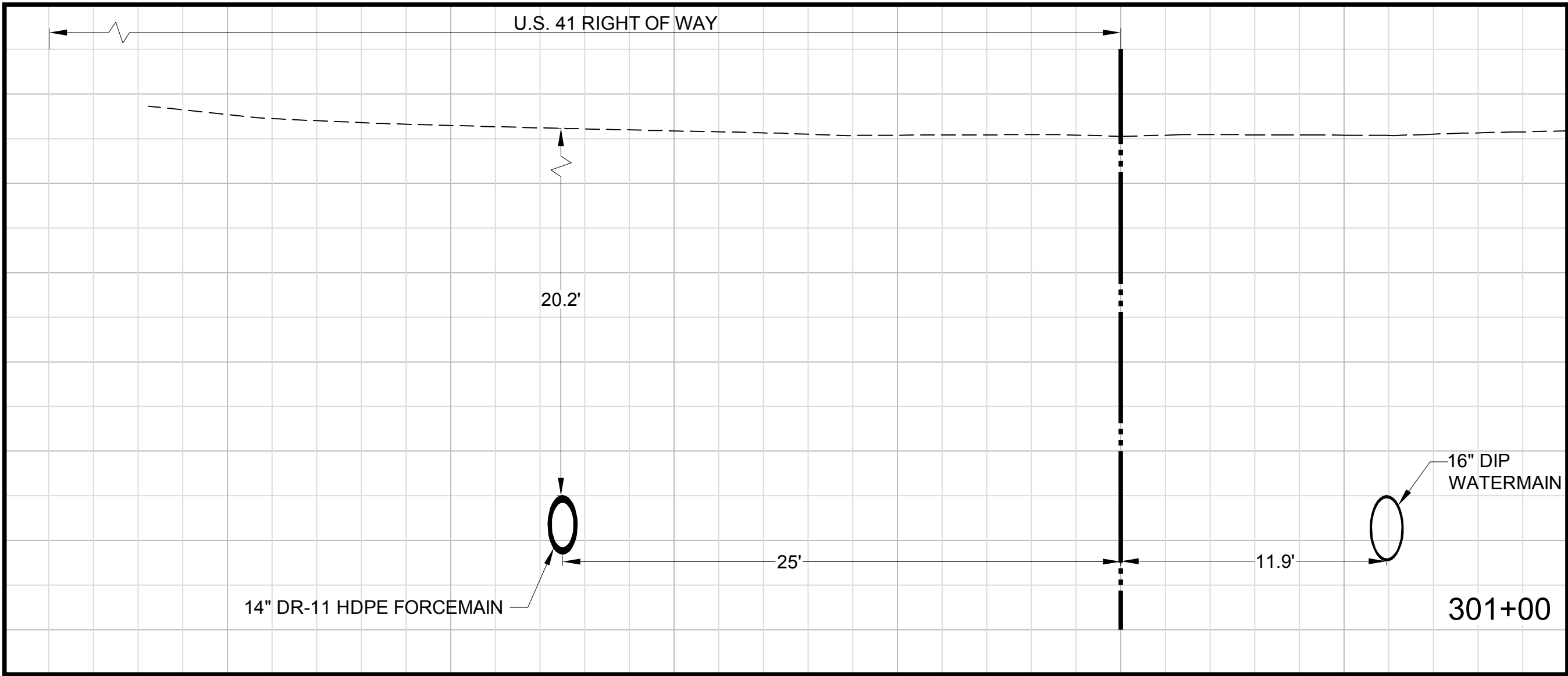
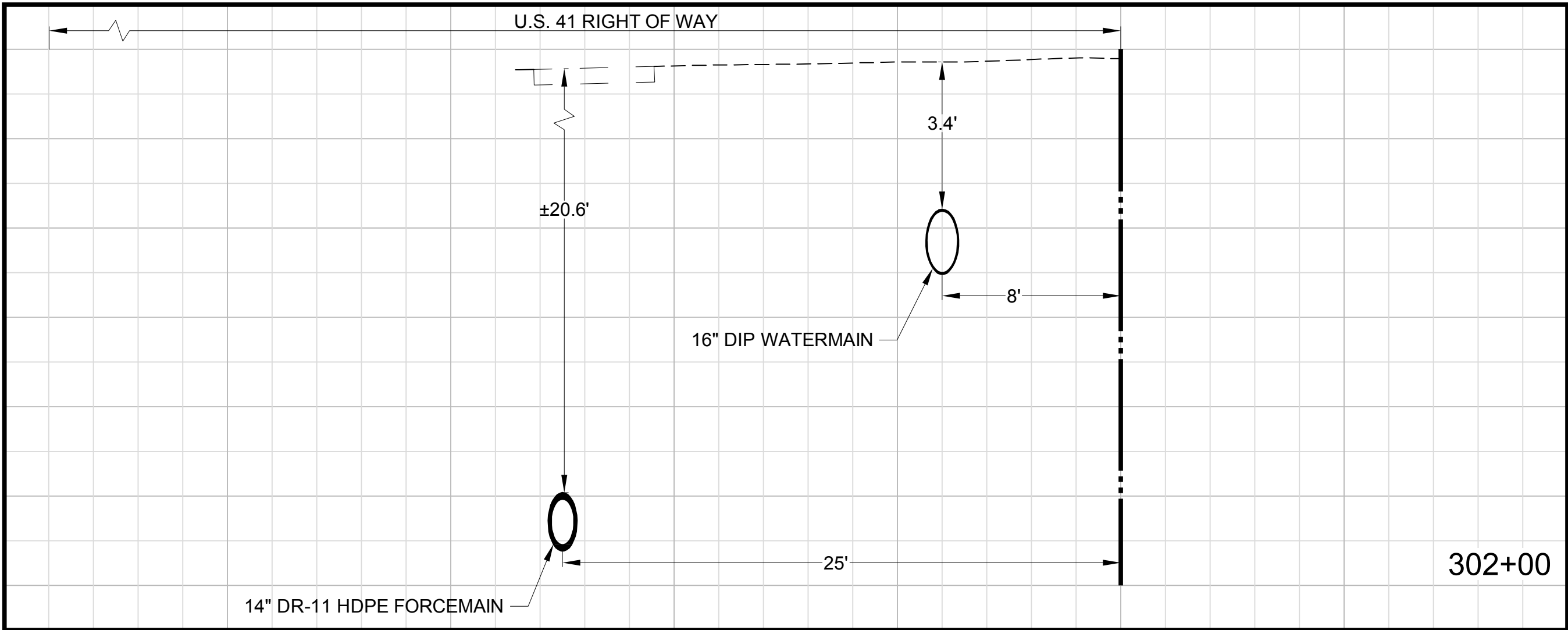
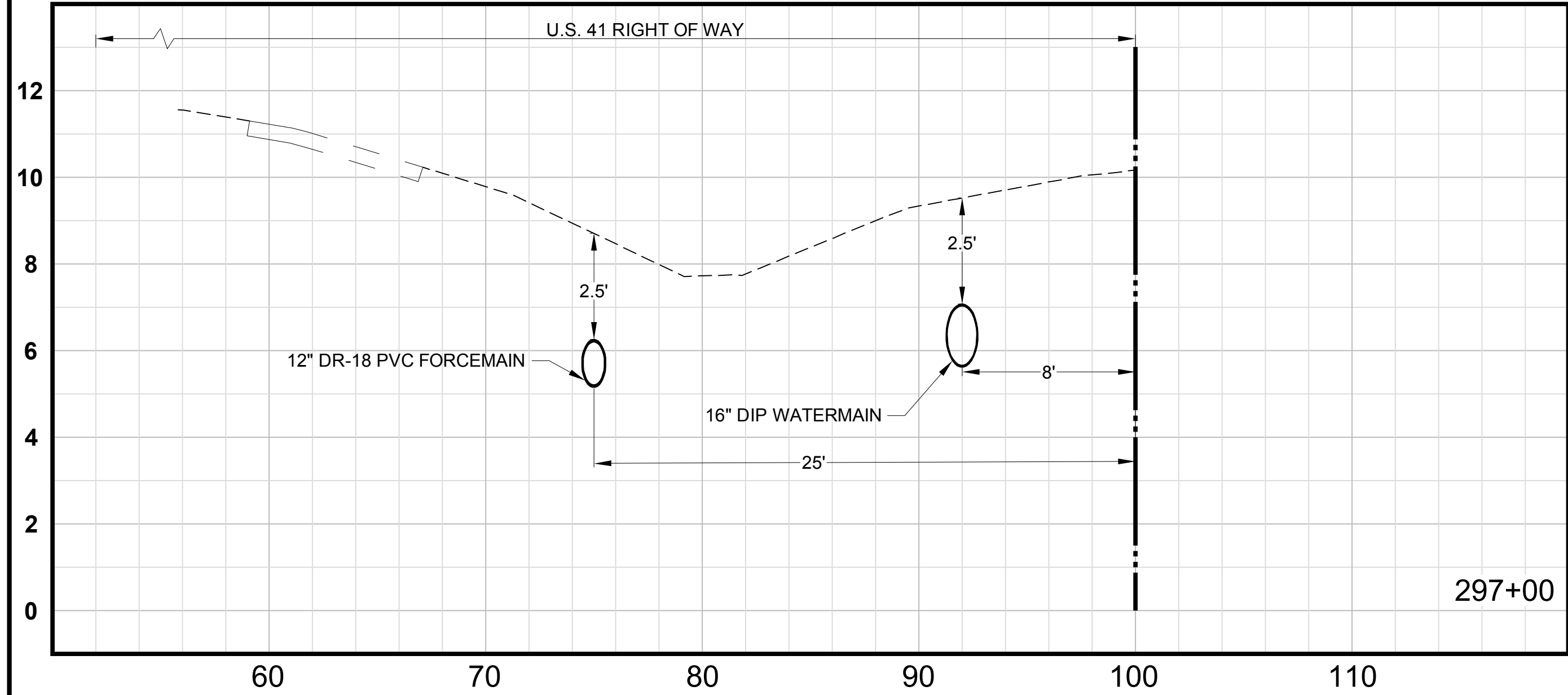
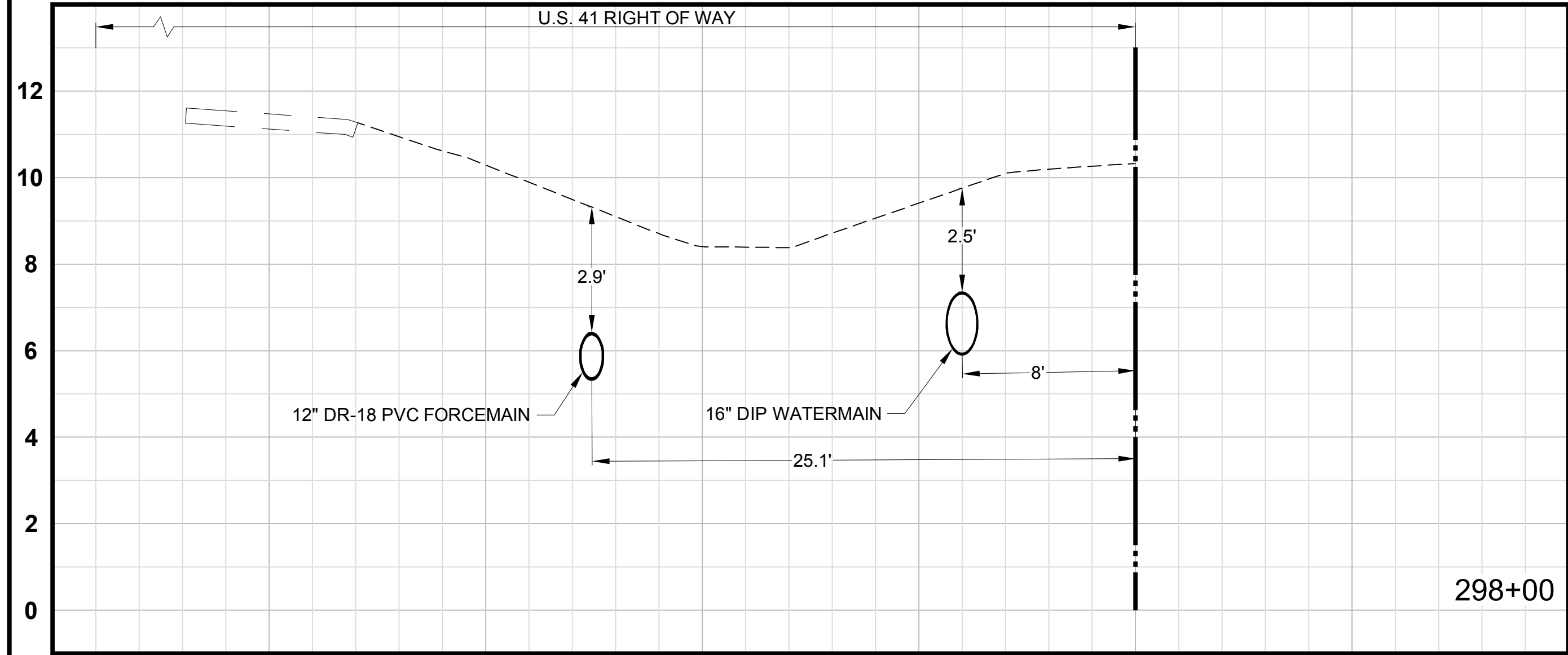
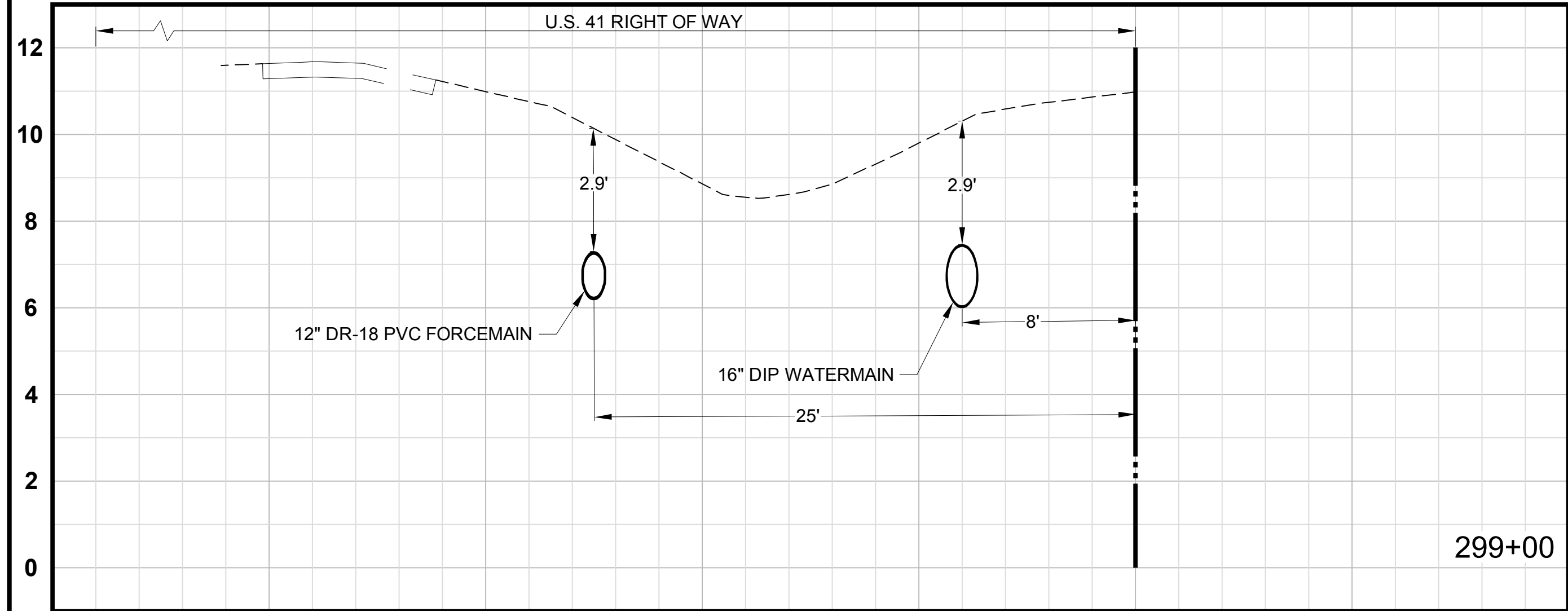
PLAN STATUS

BID SET
2018-06-12

**BEACON MANOR DRIVE
ALTERNATIVE
CONNECTION DETAIL**

PROJECT / FILE NO.
23063

SHEET NUMBER
C5.8



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PROJECT DESCRIPTION

**U.S. 41 (S.R. 45)
TRANSMISSION MAINS**

PHASE 1B

TRAILWINDS DRIVE TO
SOUTH AIRPORT ROAD

PART OF SECTION 12 AND 13
TOWNSHIP 45 SOUTH,
RANGE 24 EAST
FORT MYERS, LEE COUNTY, FLORIDA

ENGINEER OF RECORD

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FILE NAME J:\23063\DWG\DO\PHASE 1B\

LOCATION J:\23063\DWG\DO\PHASE 1B\

PLOT DATE TUE. 6-12-2018 - 9:53 AM

PLOT BY JAN BILDZUKIEWICZ

CROSS REFERENCED DRAWINGS

PLAN REVISIONS

PLAN STATUS

BID SET
2018-06-12

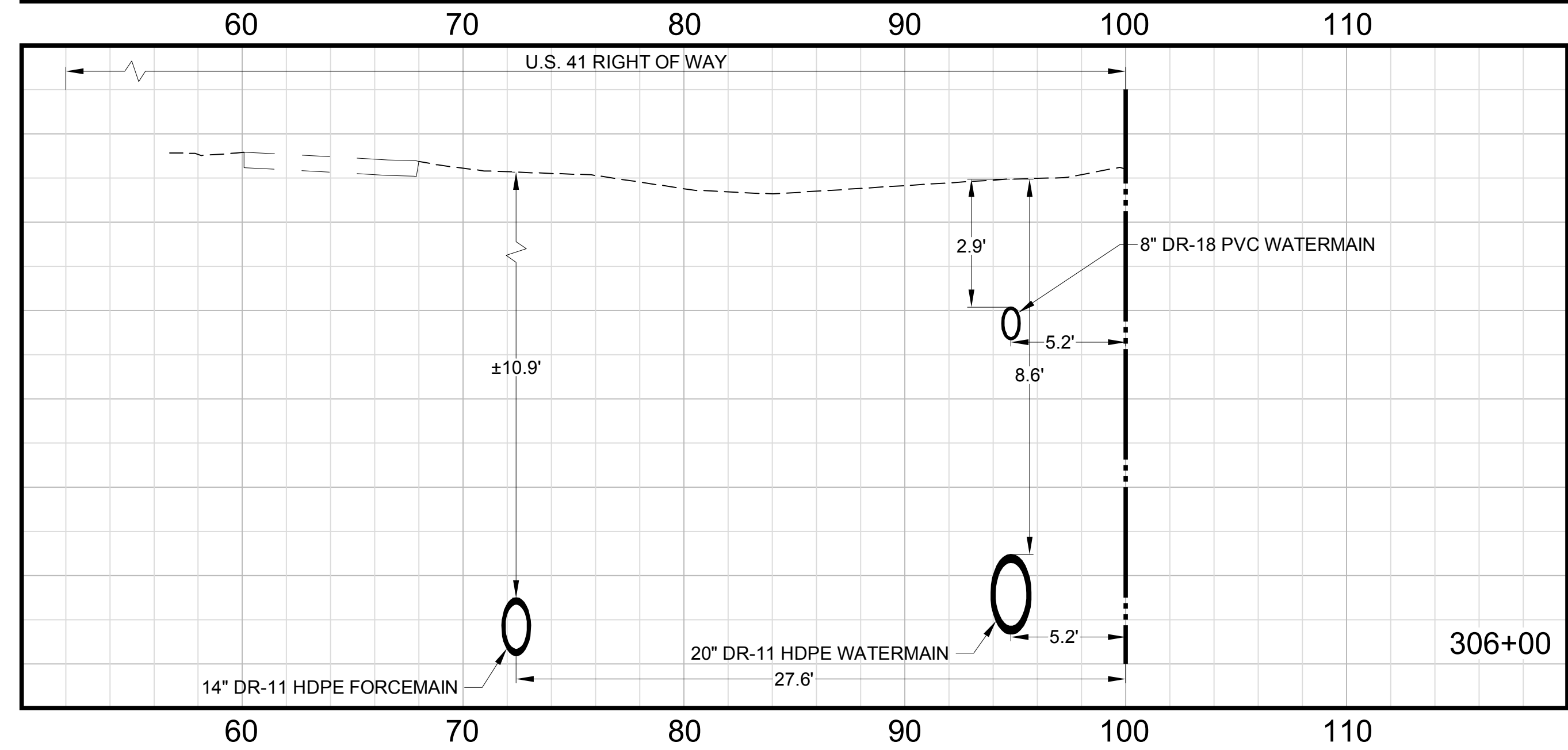
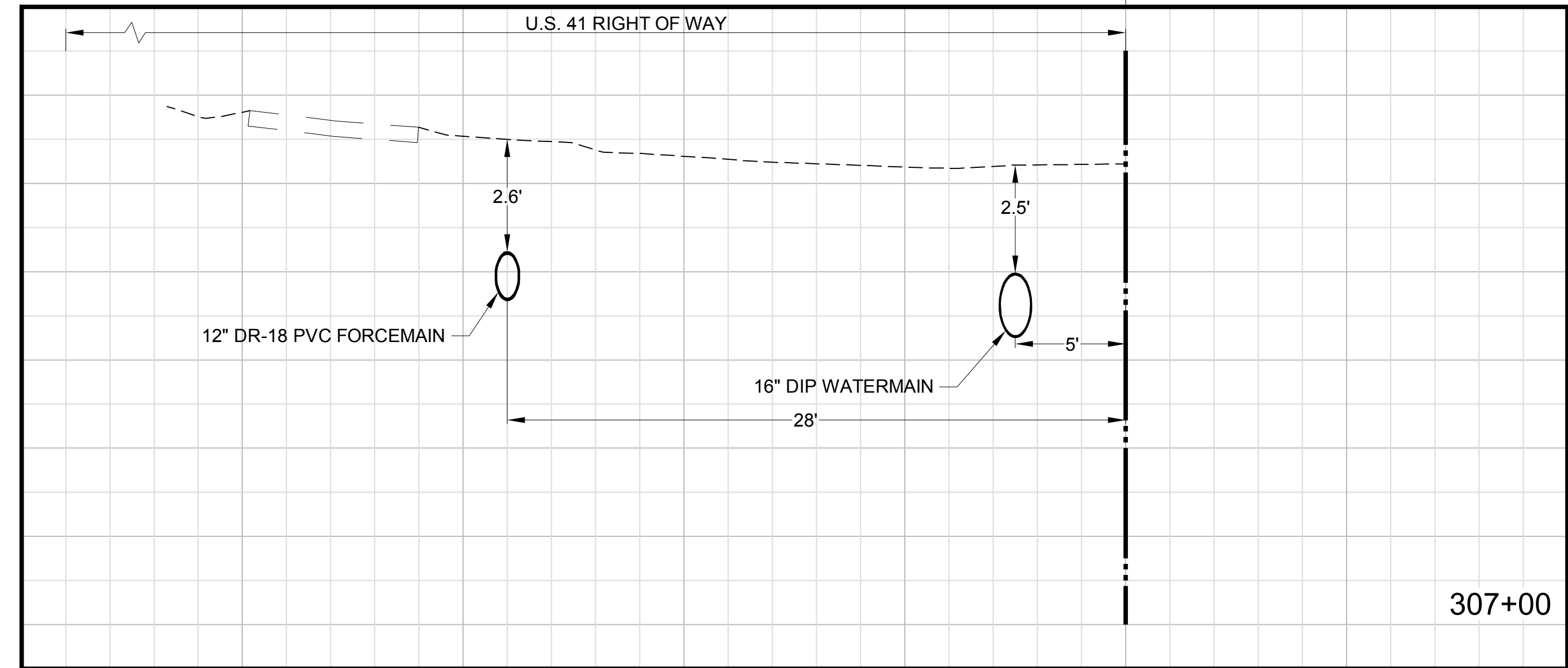
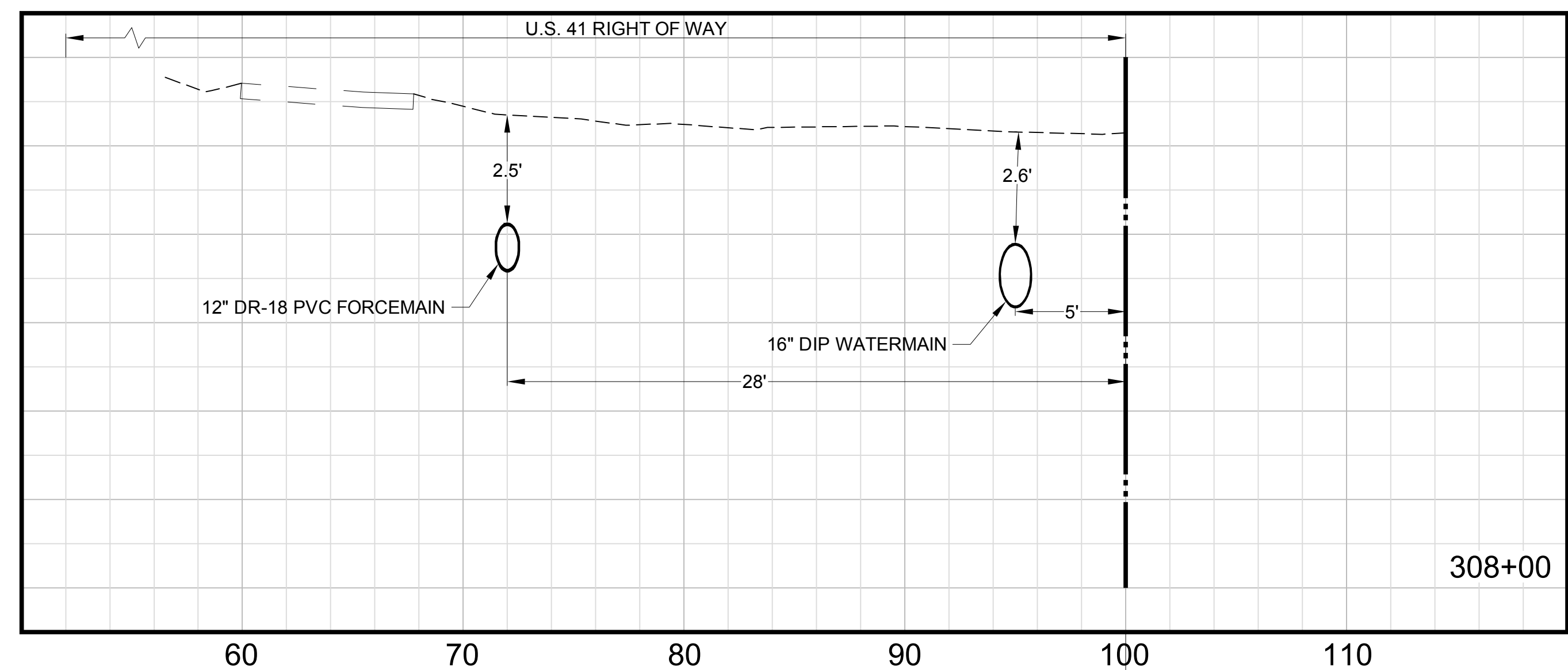
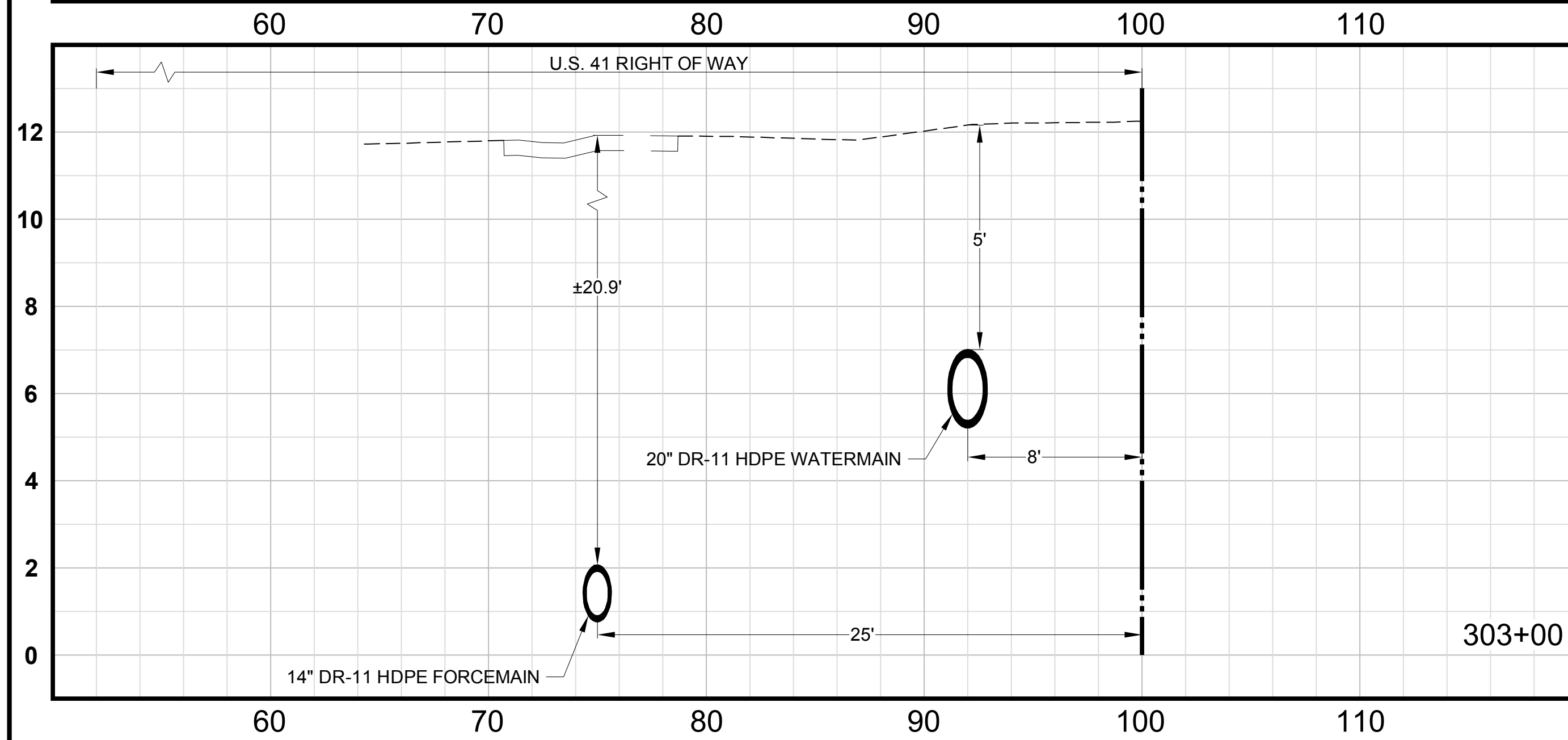
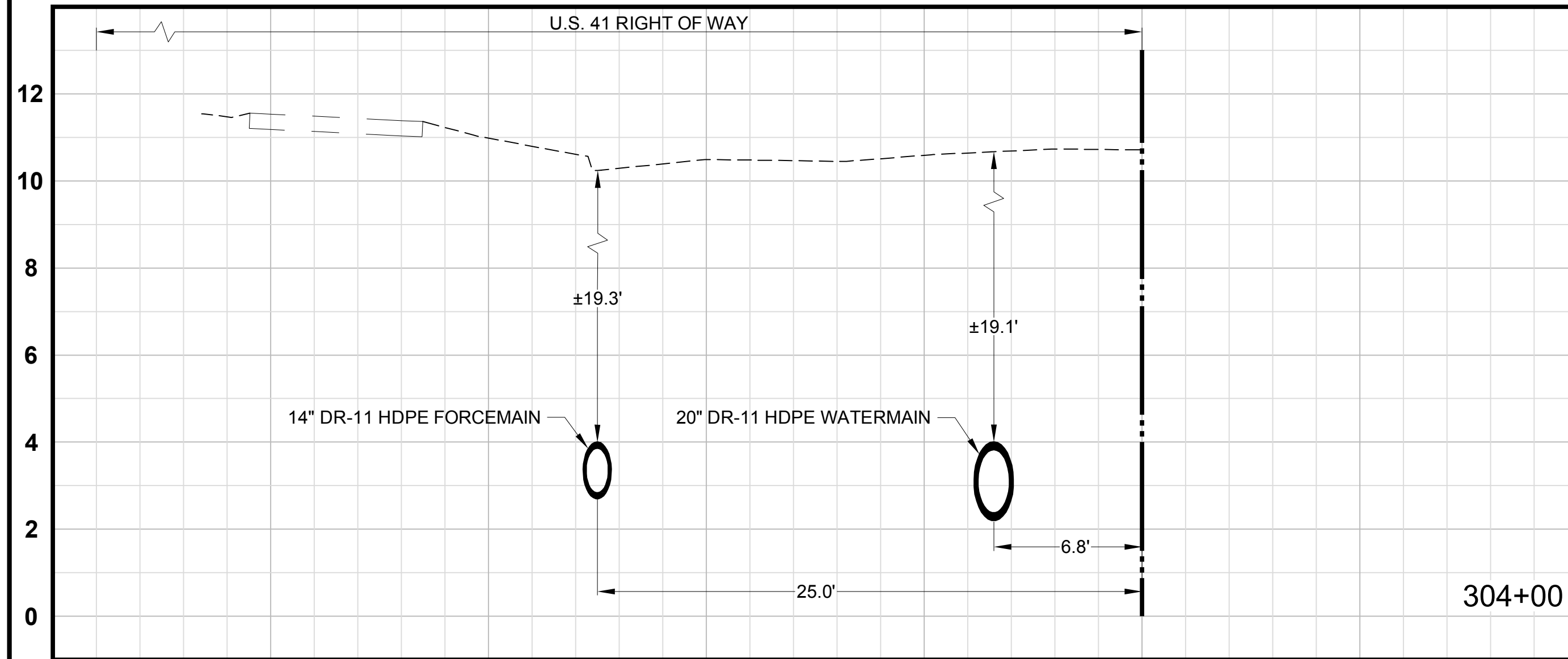
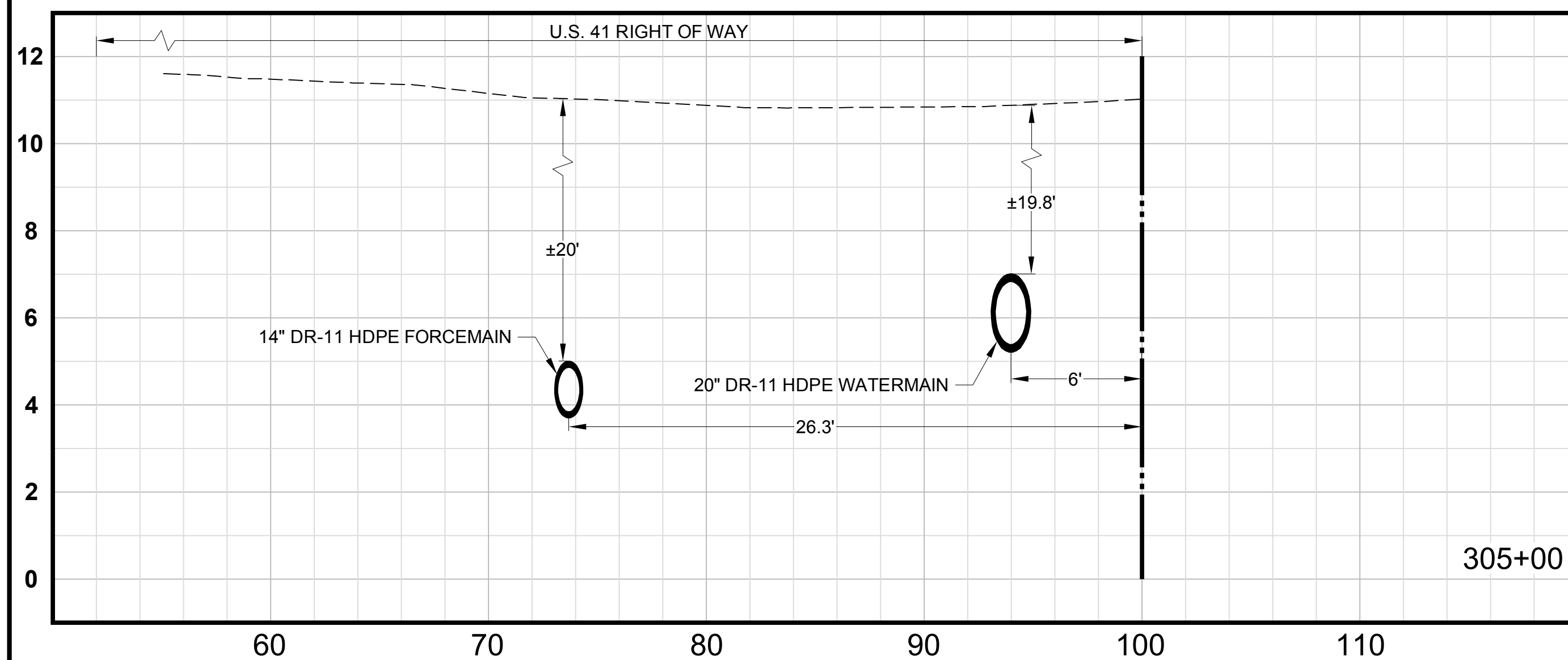
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SECTIONS
U.S. 41**

PROJECT / FILE NO.

SHEET NUMBER

23063

C6.0



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FAX (239) 485-8845

WWW.LEE GOV.COM/UTILITIES

PROJECT DESCRIPTION

U.S. 41 (S.R. 45) TRANSMISSION MAINS

PHASE 1B
TRAILWINDS DRIVE TO
SOUTH AIRPORT ROAD

PART OF SECTION 12 AND 13
TOWNSHIP 45 SOUTH,
RANGE 24 EAST
FORT MYERS, LEE COUNTY, FLORIDA

ENGINEER OF RECORD

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PLOT BY	JAN BILDZUKEWICZ
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CROSS REFERENCED DRAWINGS

PLAN REVISIONS

PLAN STATUS

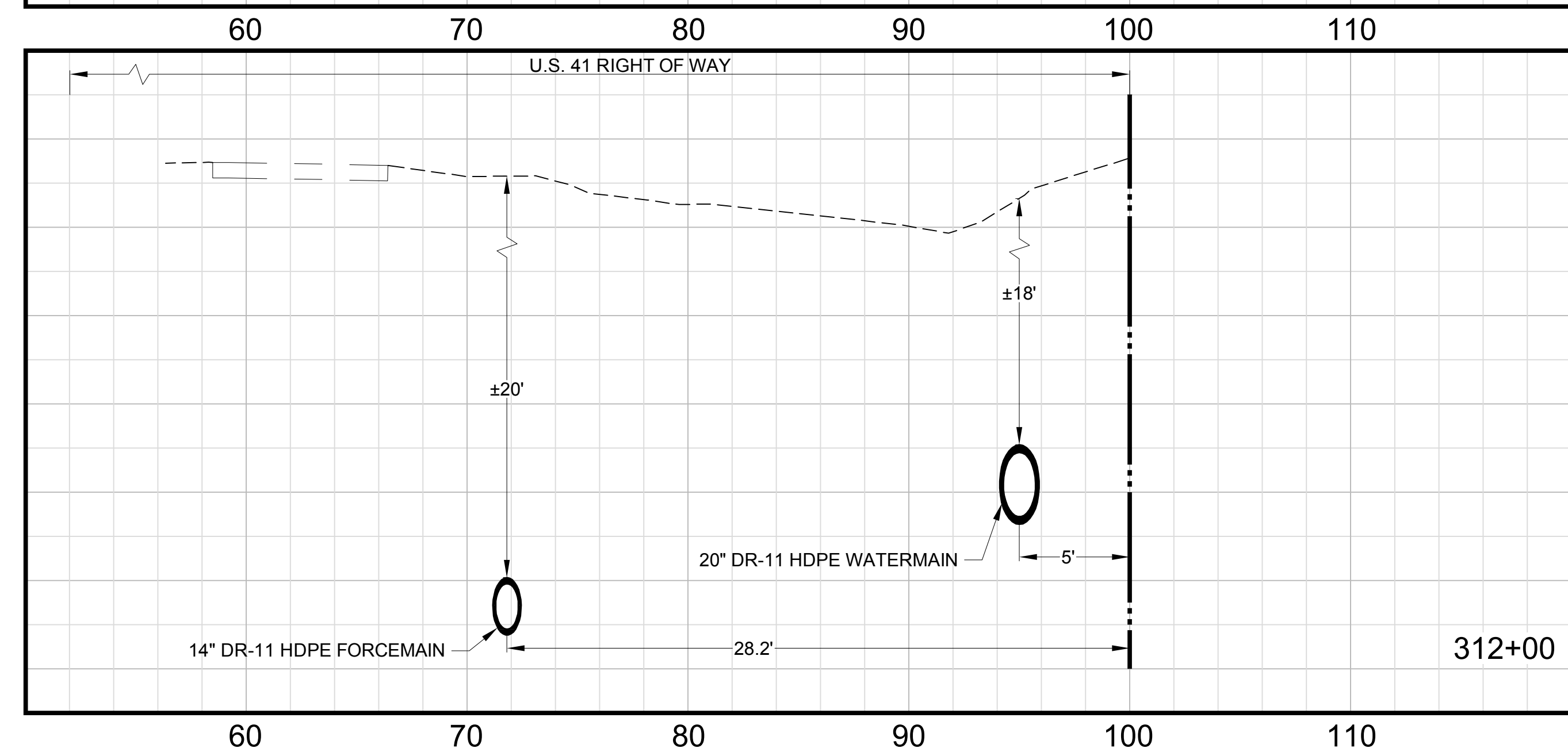
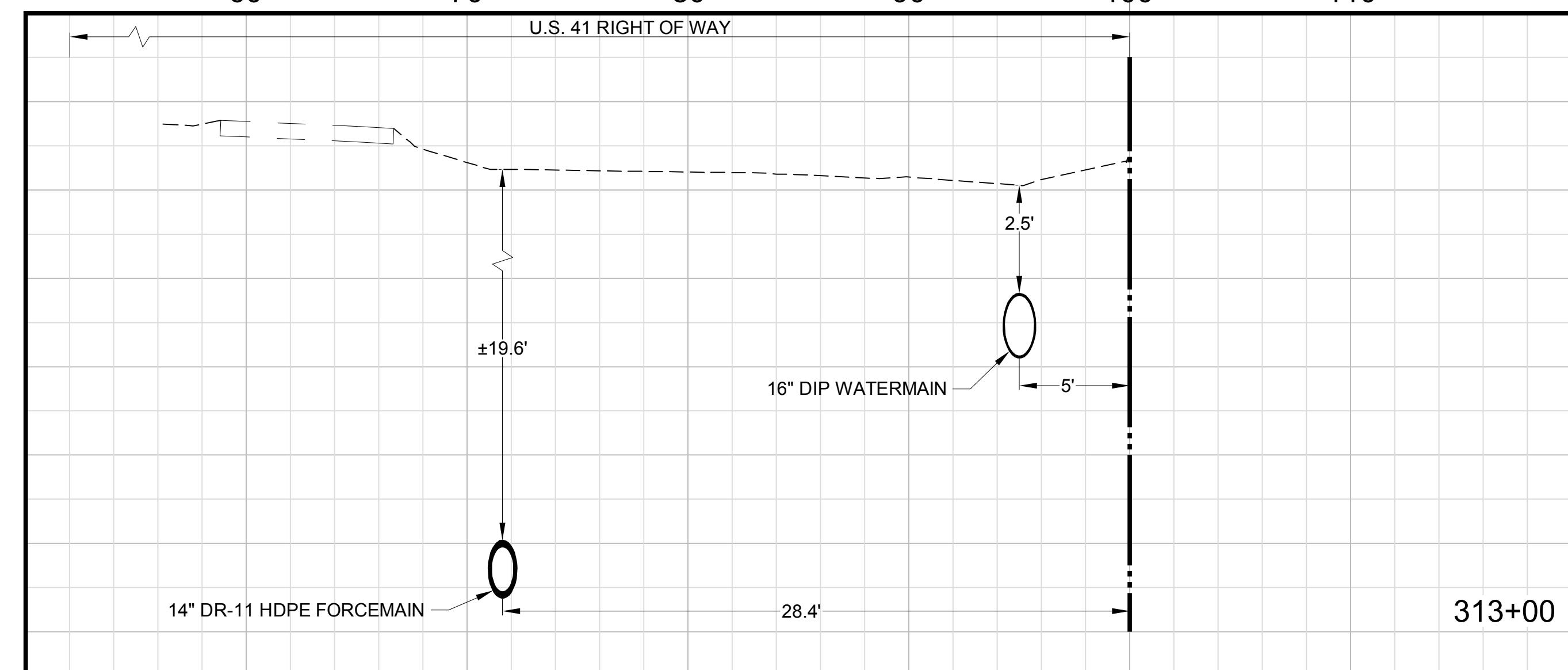
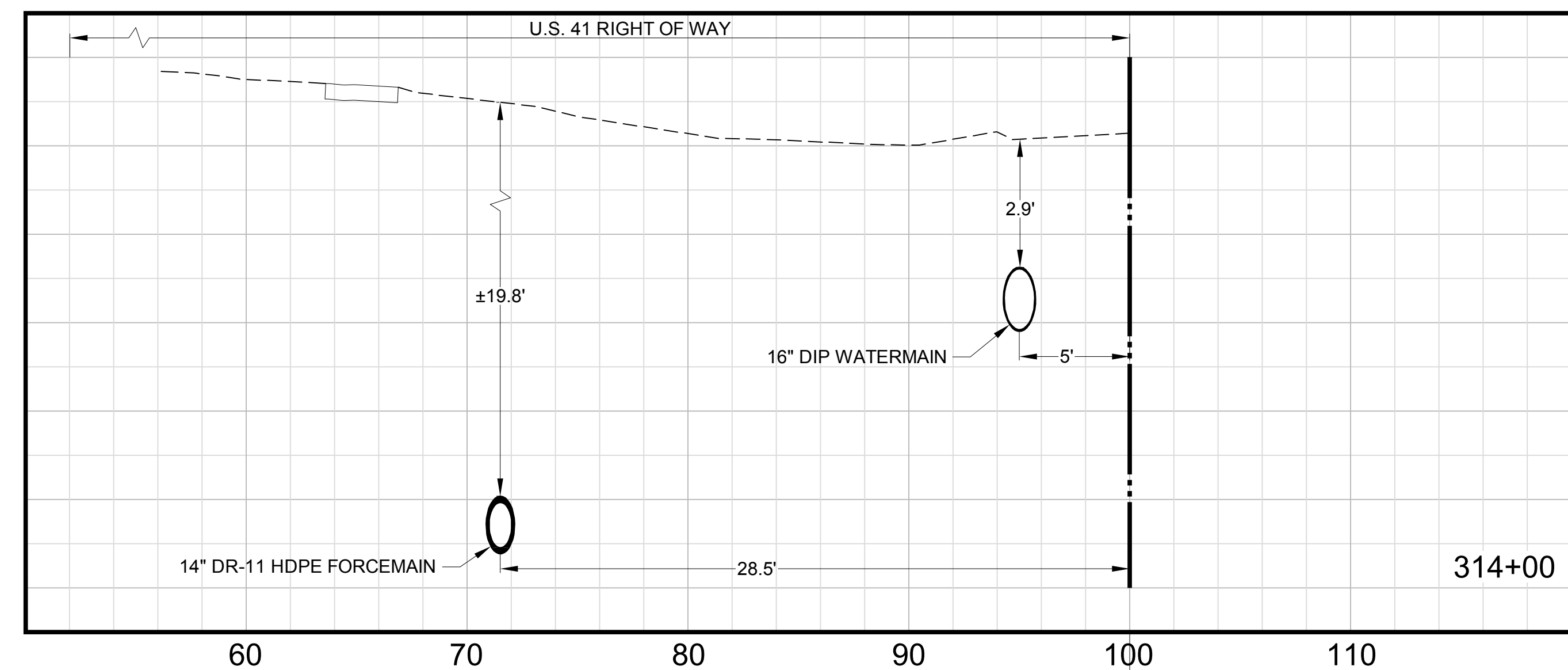
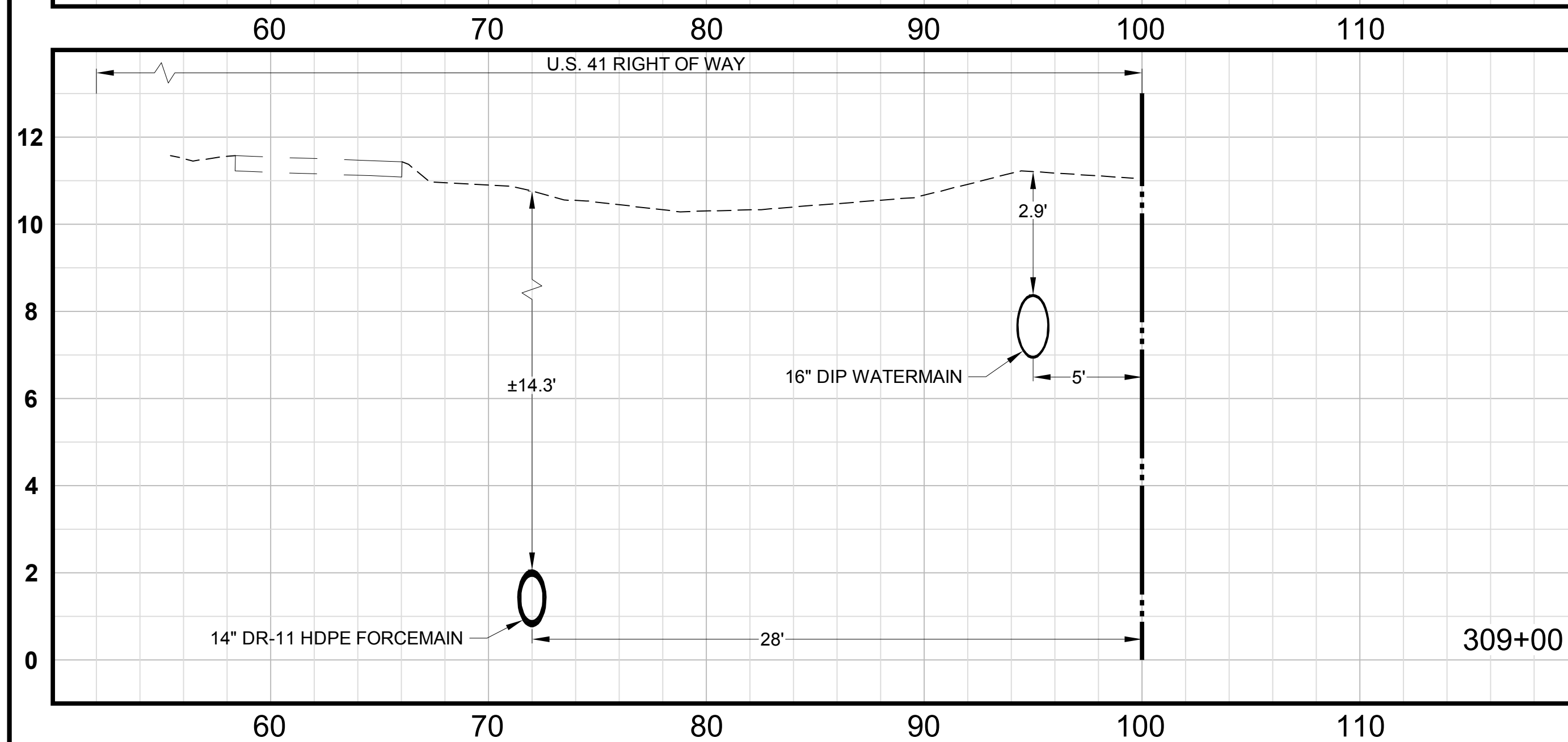
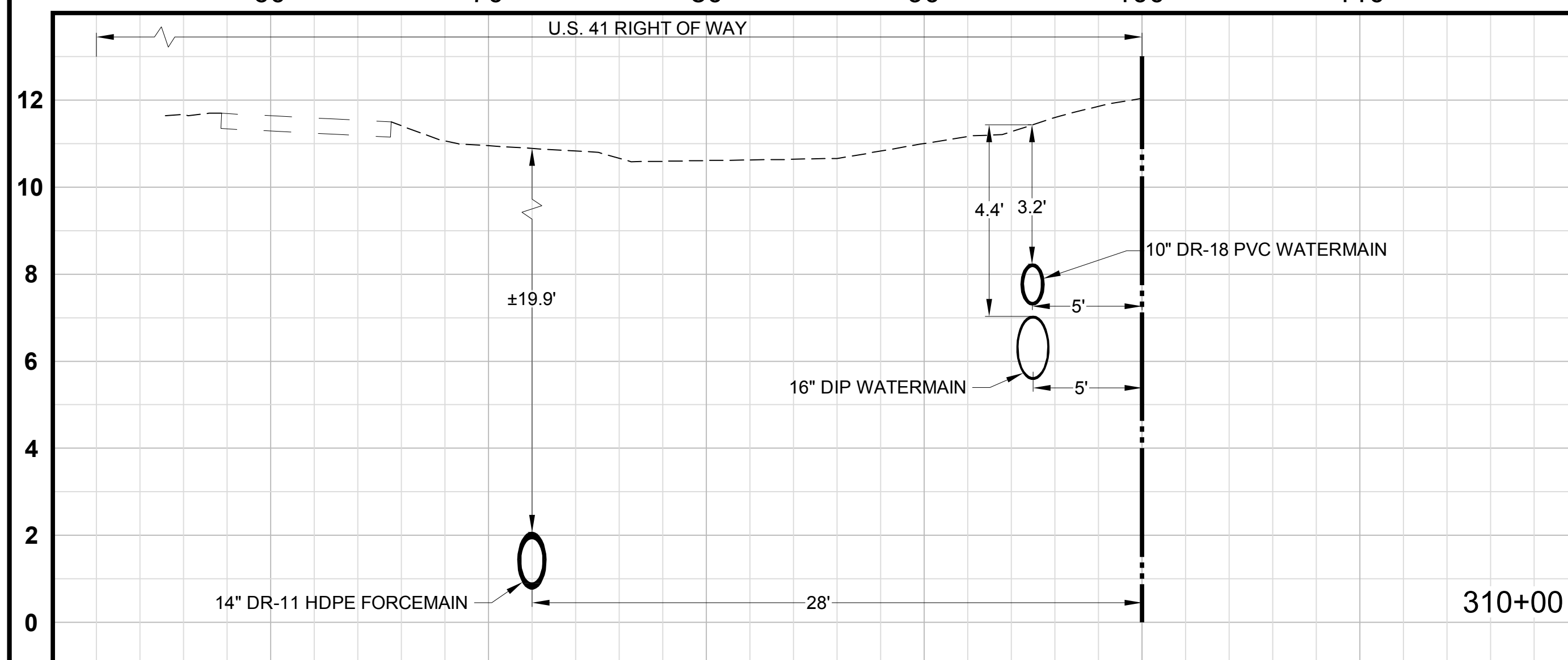
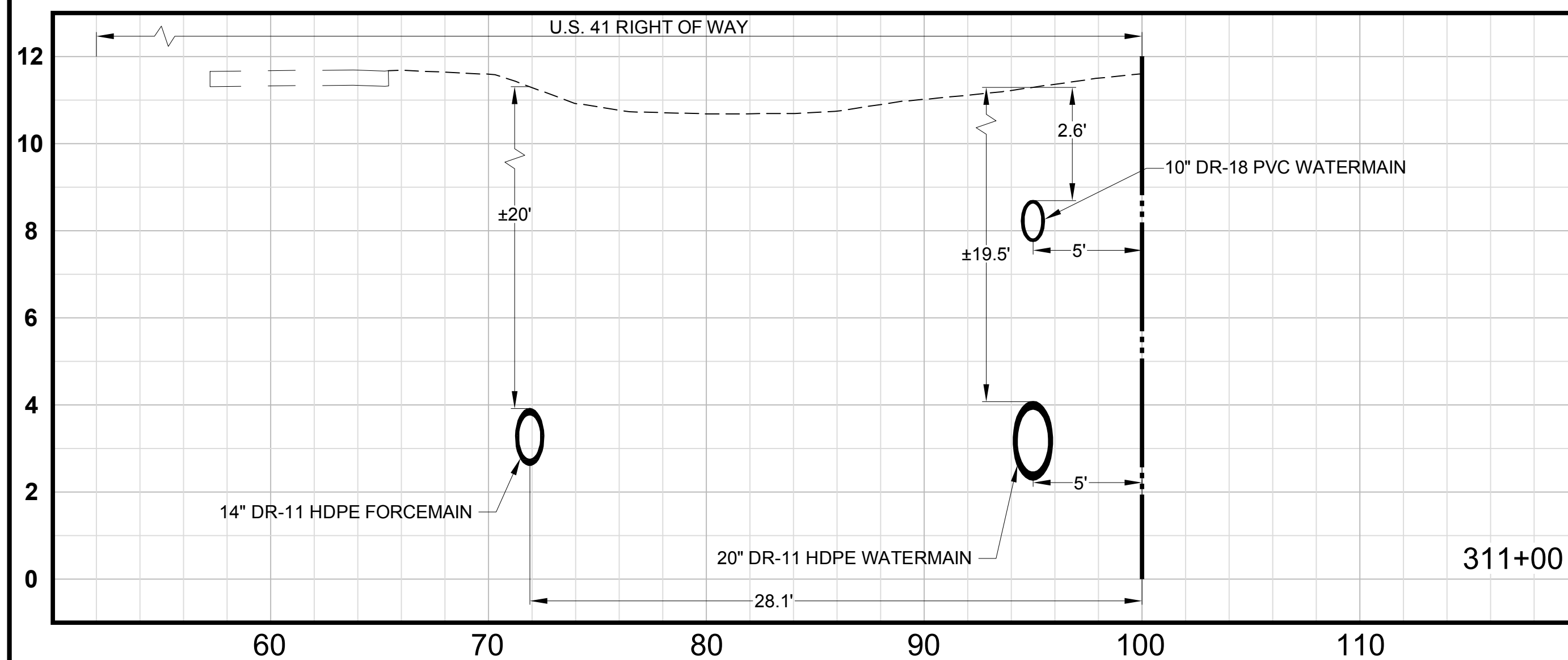
BID SET
2018-06-12

CROSS
SECTIONS
U.S. 41

PROJECT / FILE NO.	SHEET NUMBER
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PREPARED FOR



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FORT MYERS, FLORIDA 33901
PHONE (239) 533-8181
FAX (239) 485-8845

WWW.LEE GOV.COM/UTILITIES

PROJECT DESCRIPTION

U.S. 41 (S.R. 45) TRANSMISSION MAINS

PHASE 1B

TRAILWINDS DRIVE TO
SOUTH AIRPORT ROAD

PART OF SECTION 12 AND 13
TOWNSHIP 45 SOUTH,
RANGE 24 EAST
FORT MYERS, LEE COUNTY, FLORIDA

ENGINEER OF RECORD

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CROSS REFERENCED DRAWINGS

PLAN REVISIONS

PLAN STATUS

BID SET
2018-06-12

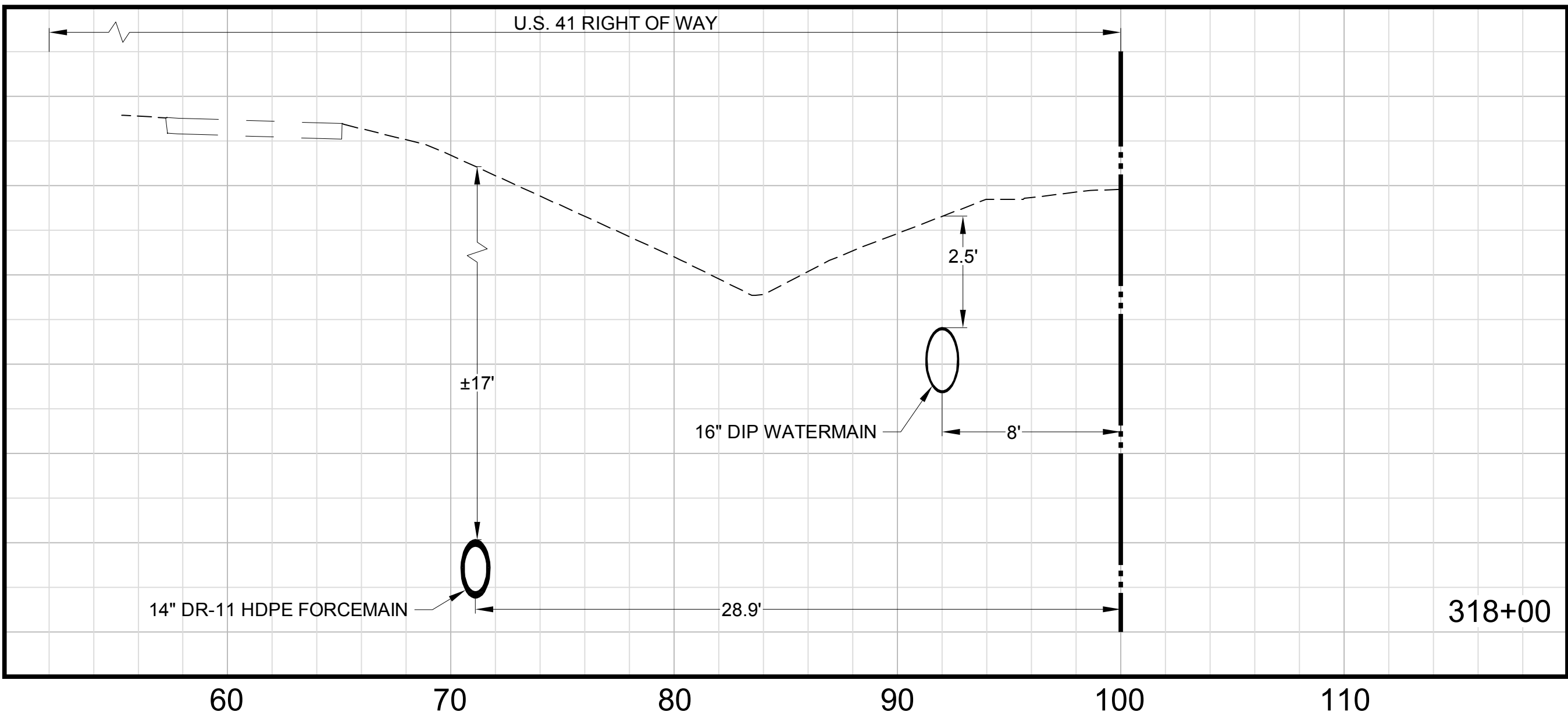
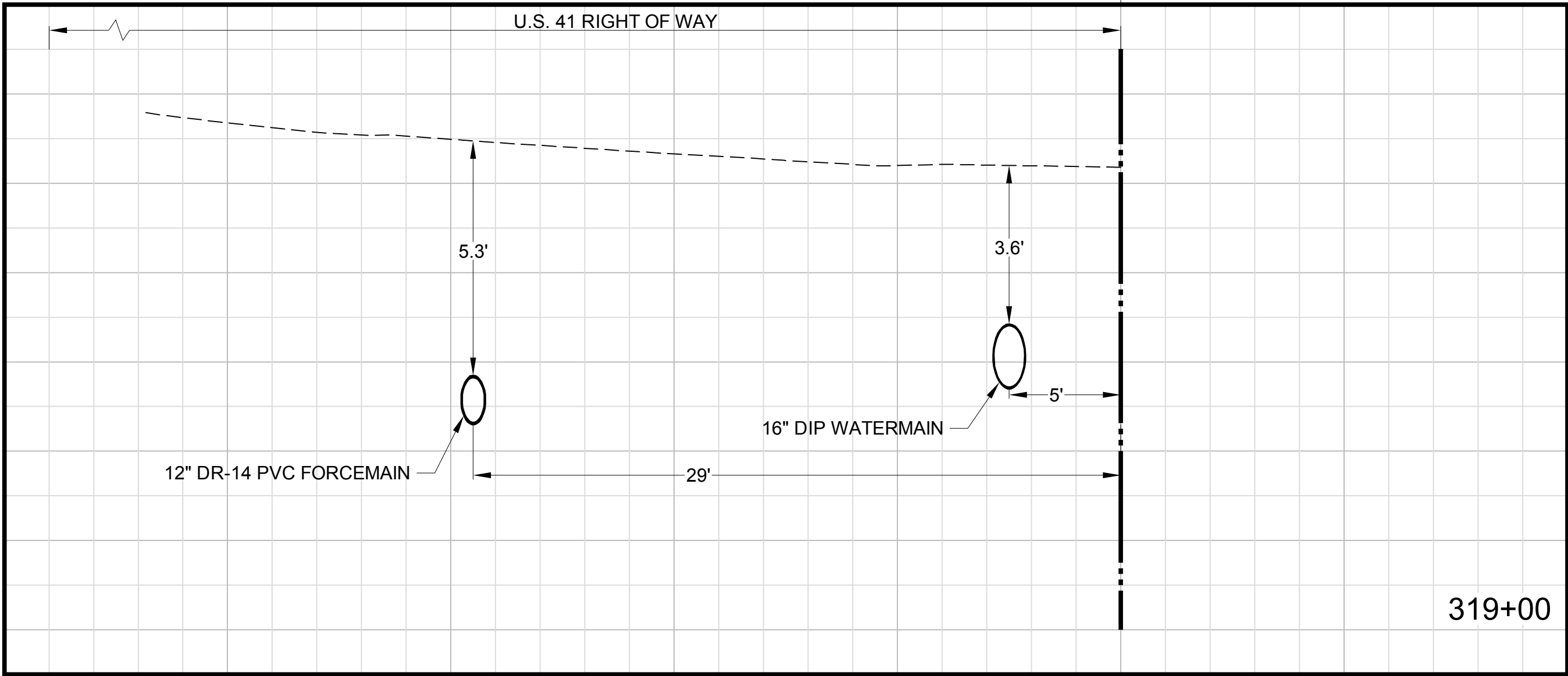
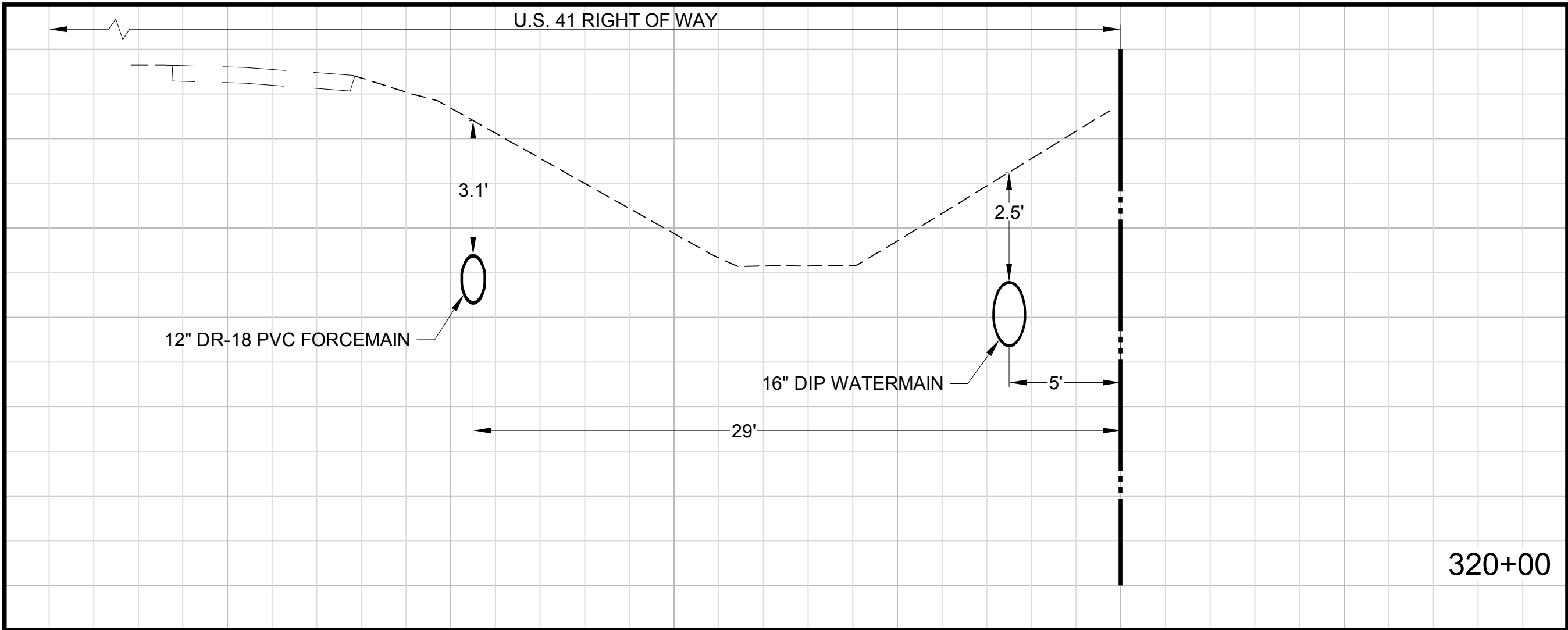
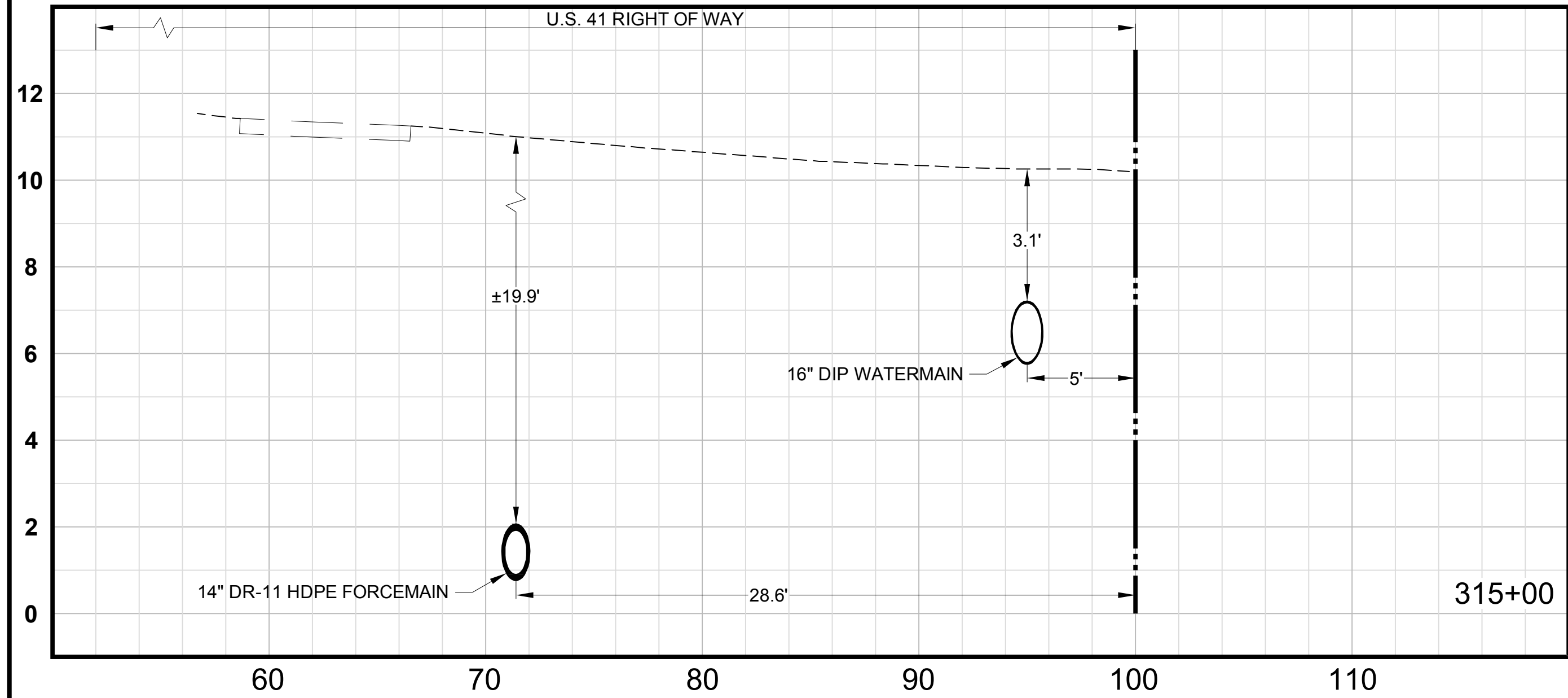
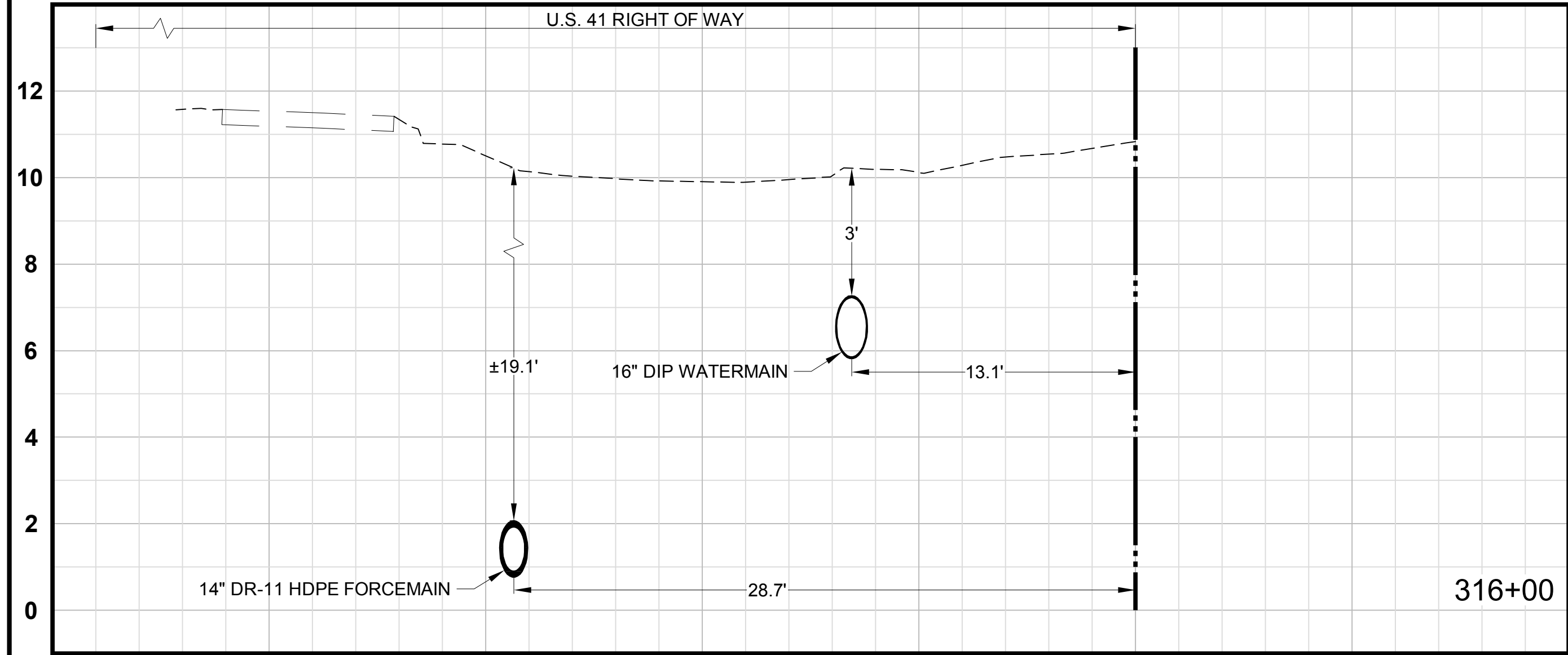
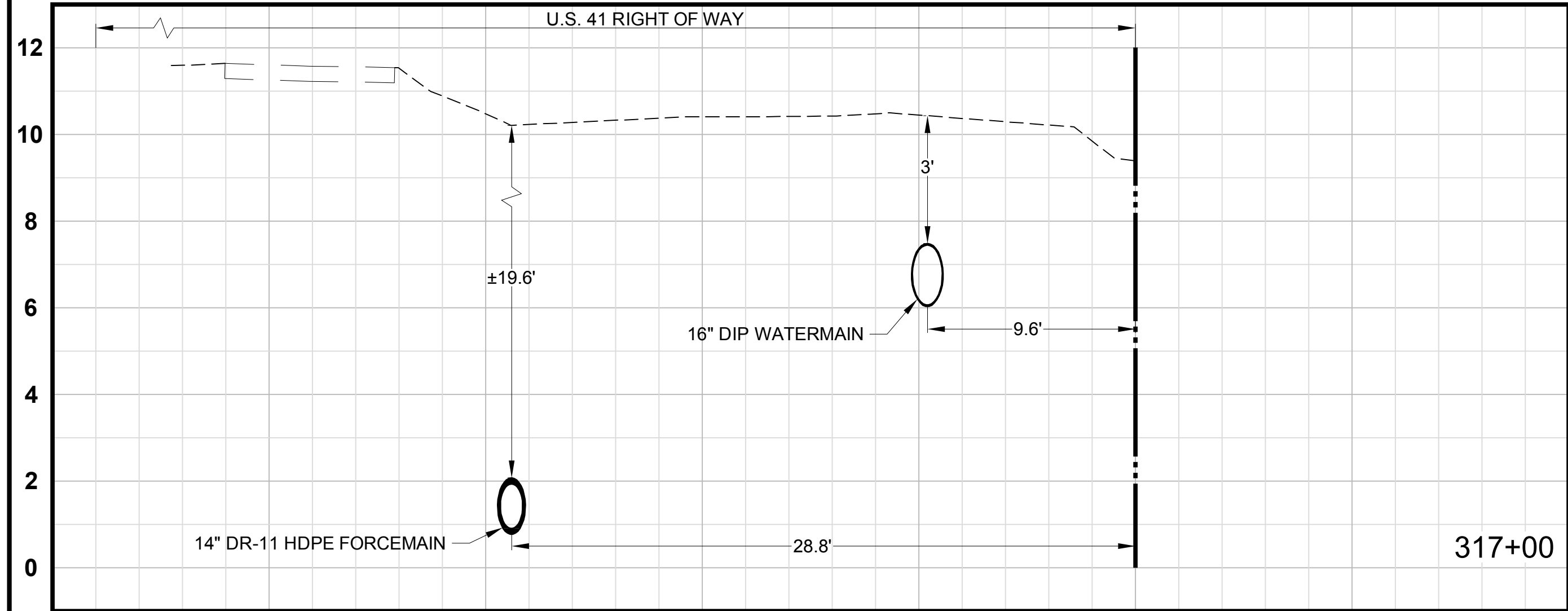
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SECTIONS
U.S. 41

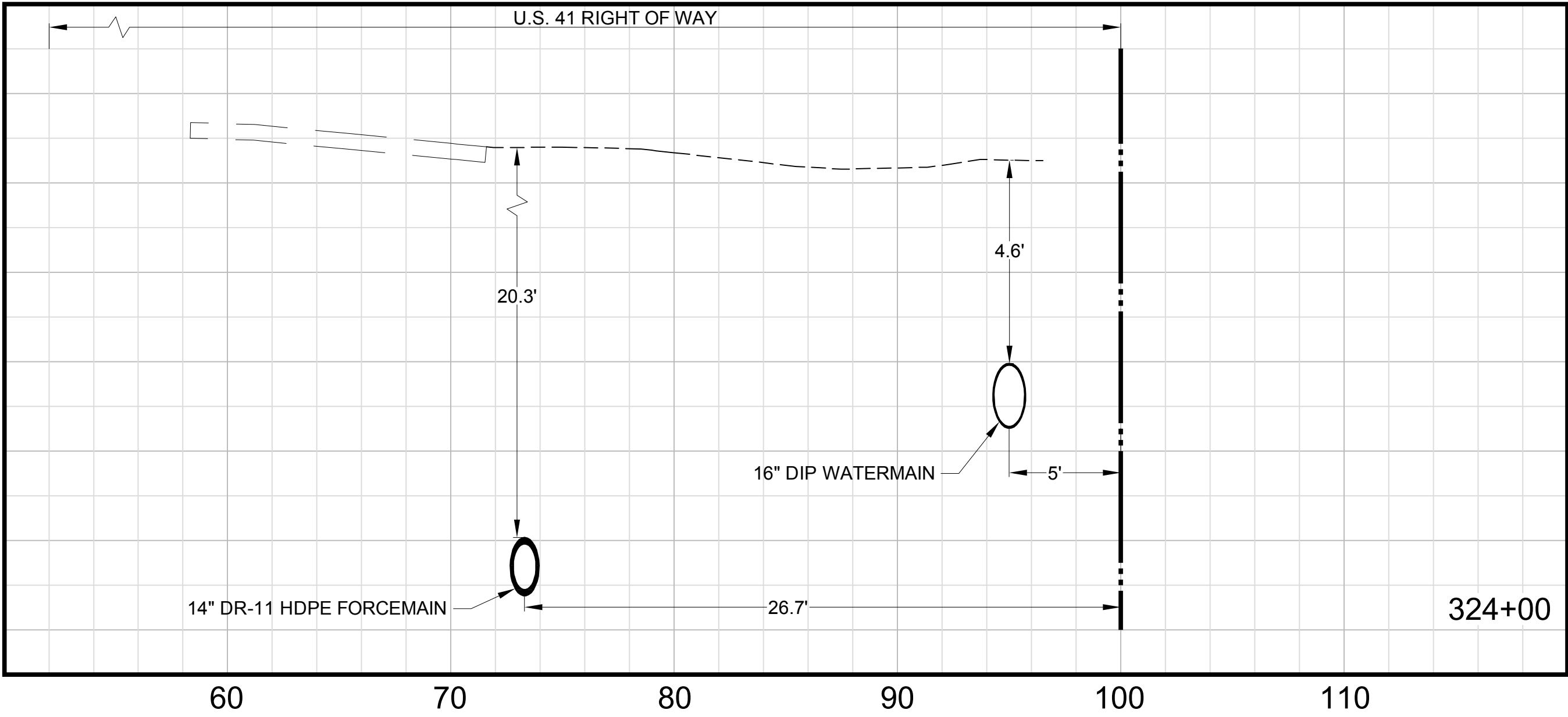
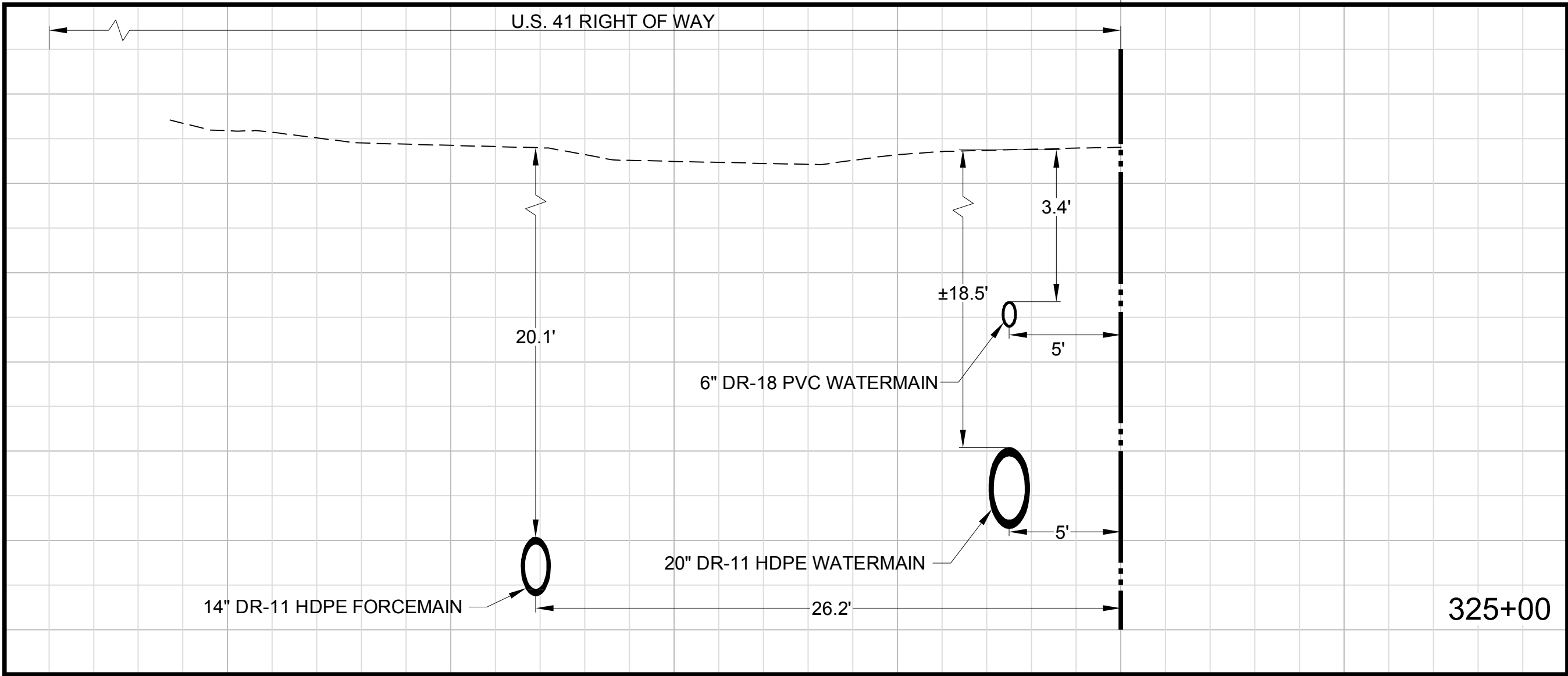
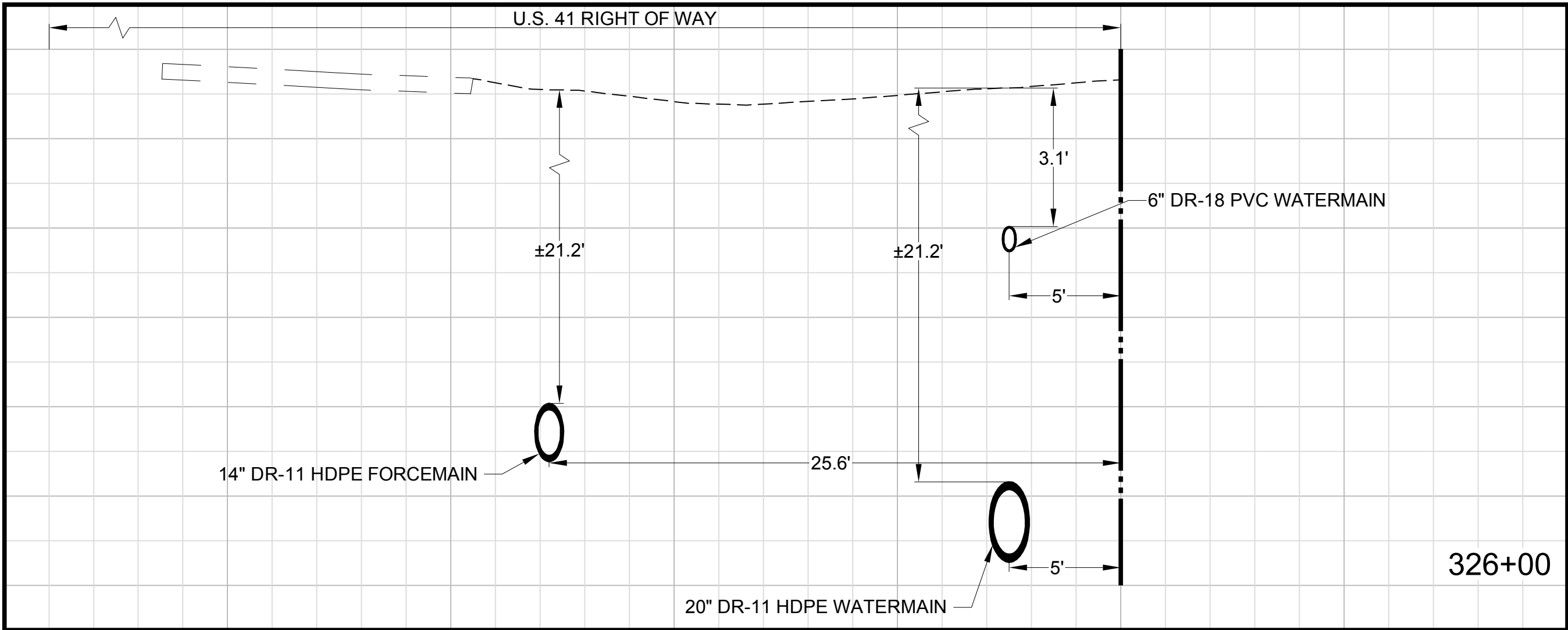
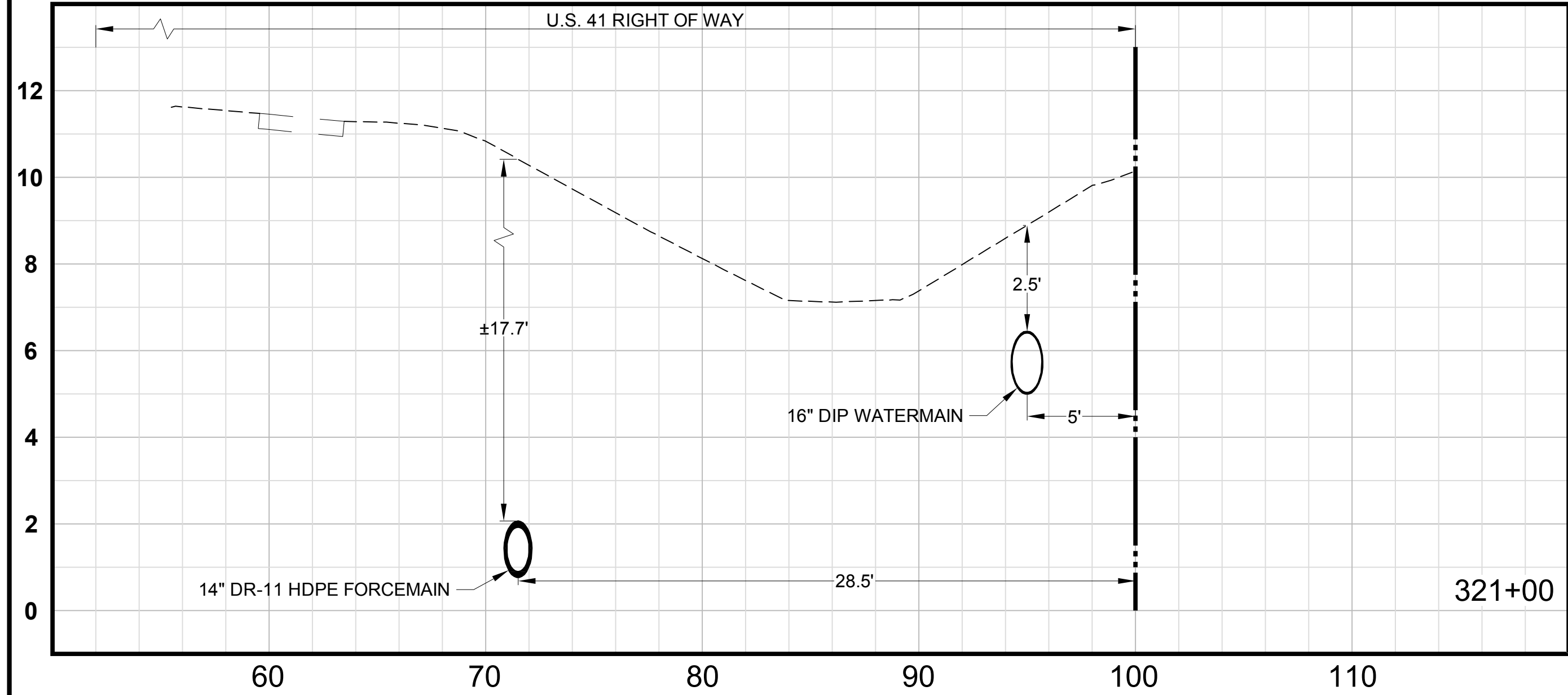
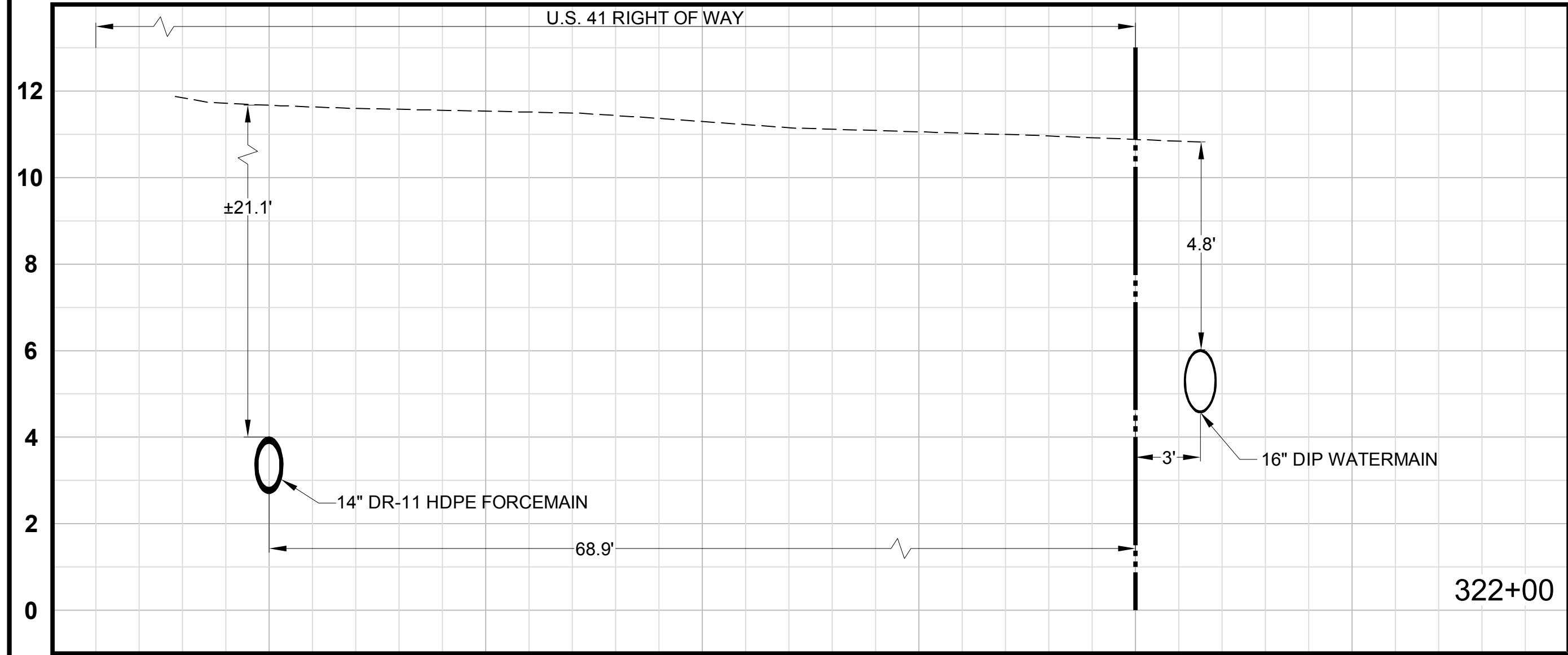
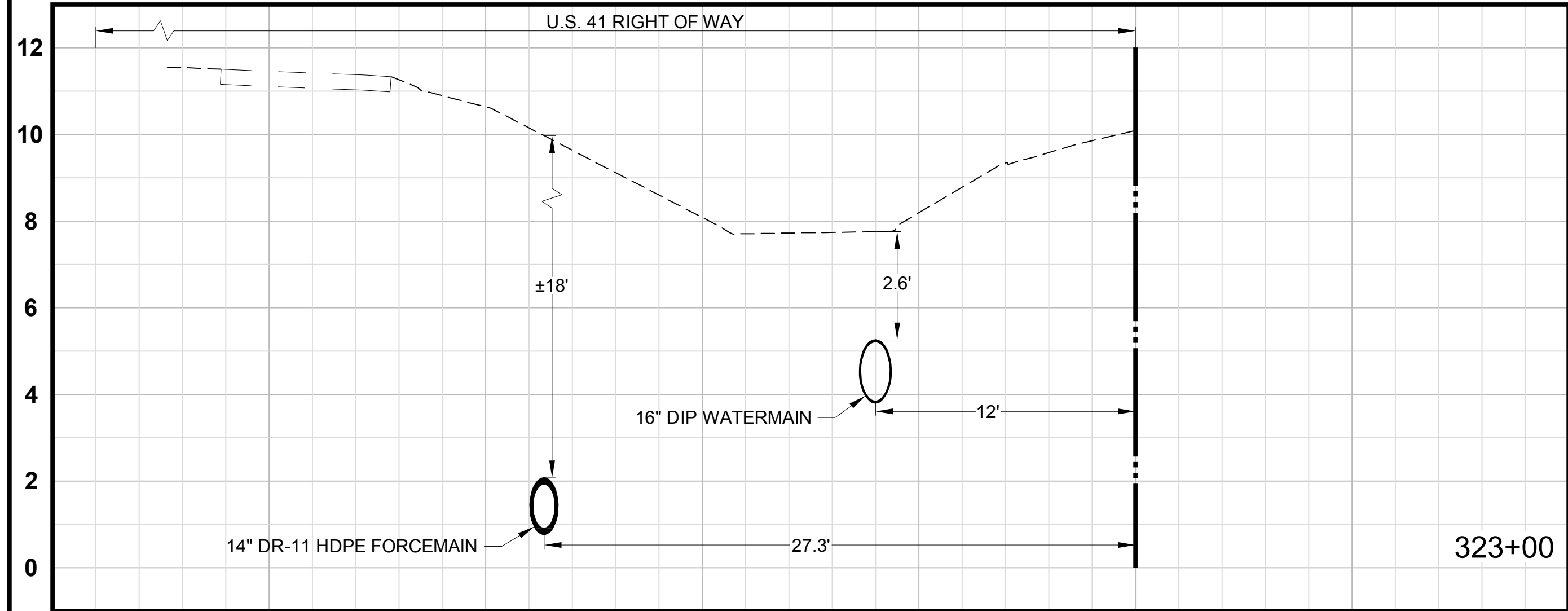
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SHEET NUMBER

23063

C6.2





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PREPARED FOR

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FAX (239) 485-8845
WWW.LEEGOV.COM/UTILITIES

PROJECT DESCRIPTION

U.S. 41 (S.R. 45)
TRANSMISSION MAINS

PHASE 1B
TRAILWINDS DRIVE TO
SOUTH AIRPORT ROAD

PART OF SECTION 12 AND 13
TOWNSHIP 45 SOUTH,
RANGE 24 EAST
FORT MYERS, LEE COUNTY, FLORIDA

ENGINEER OF RECORD
TIMOTHY B. GAVIN, P.E., FOR THE FIRM
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LOCATION J:\23063\DWG\DO\PHASE 1B\

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PLOT BY JAN BILDZUKIEWICZ

CROSS REFERENCED DRAWINGS

PLAN REVISIONS

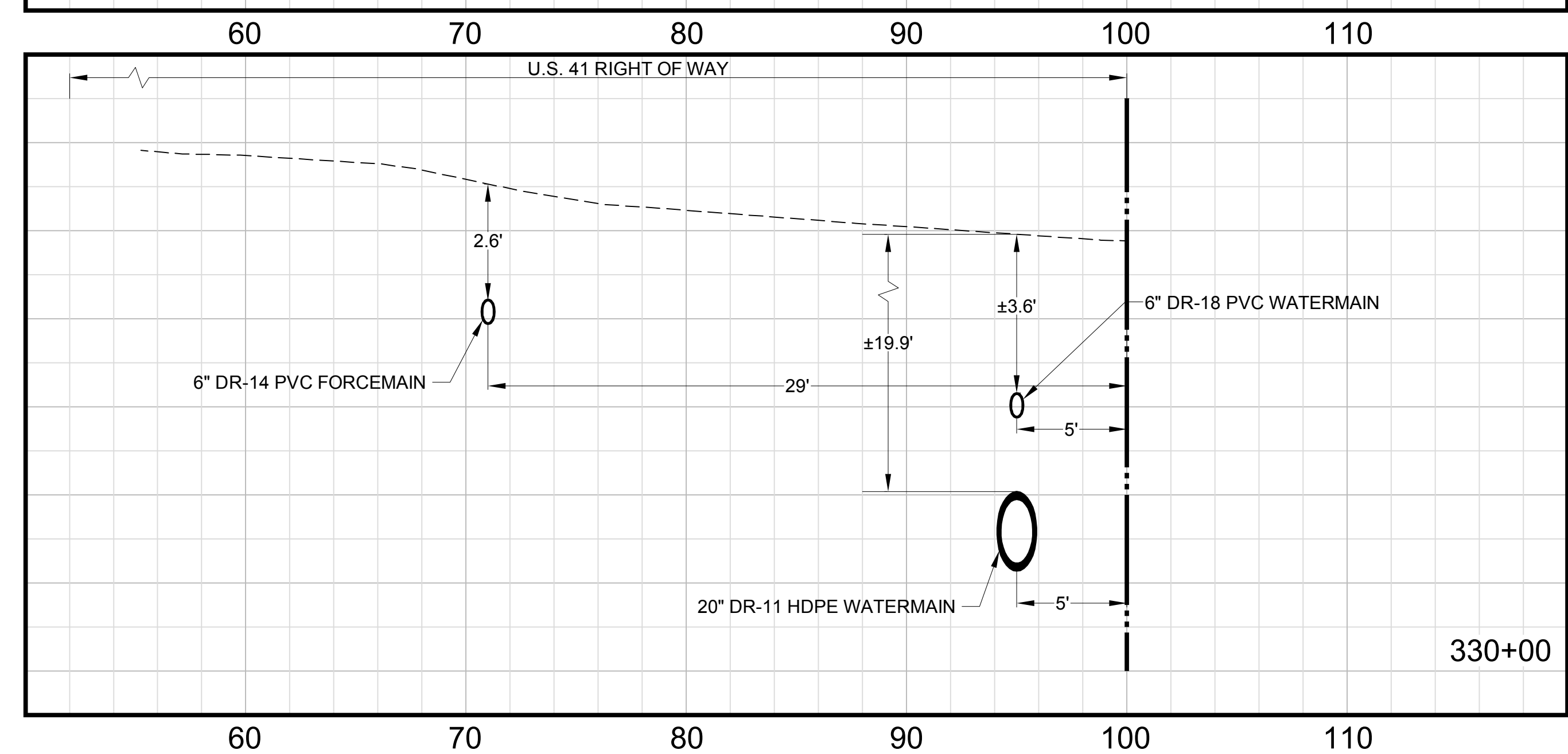
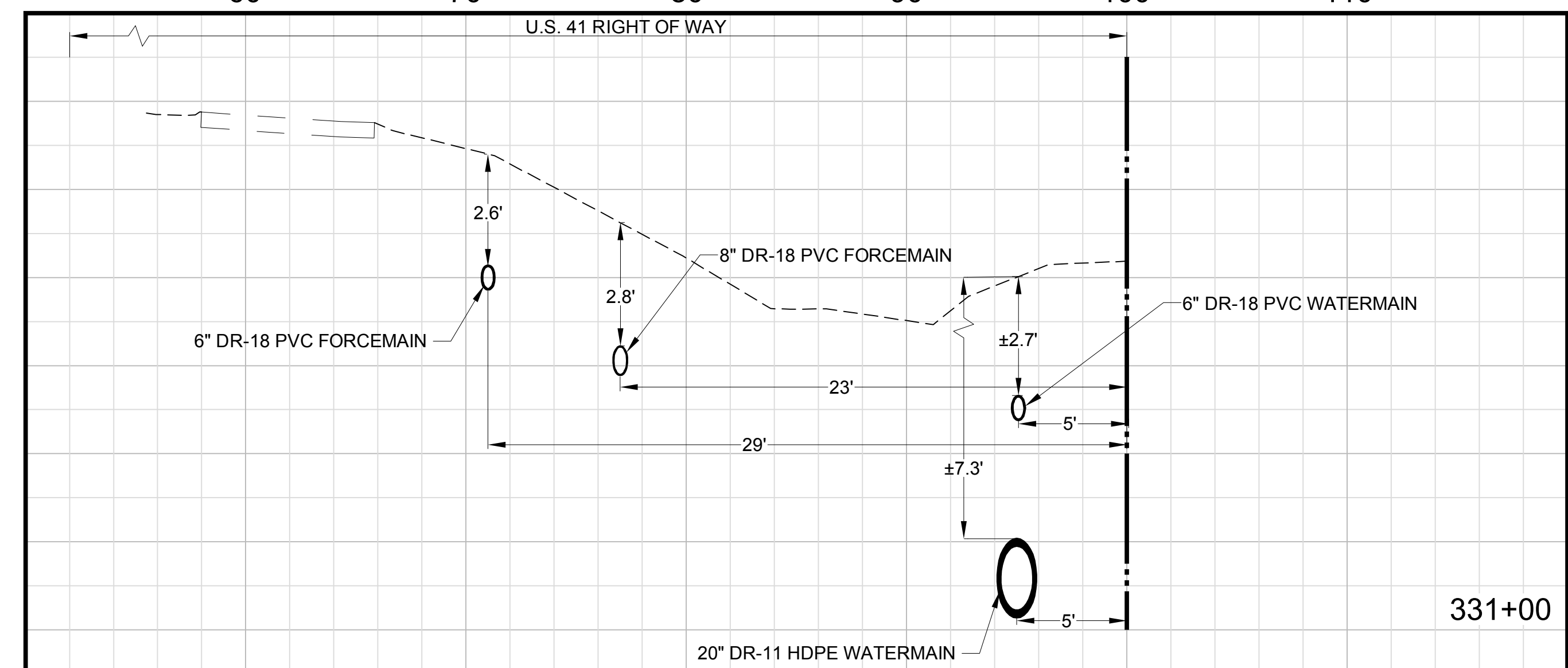
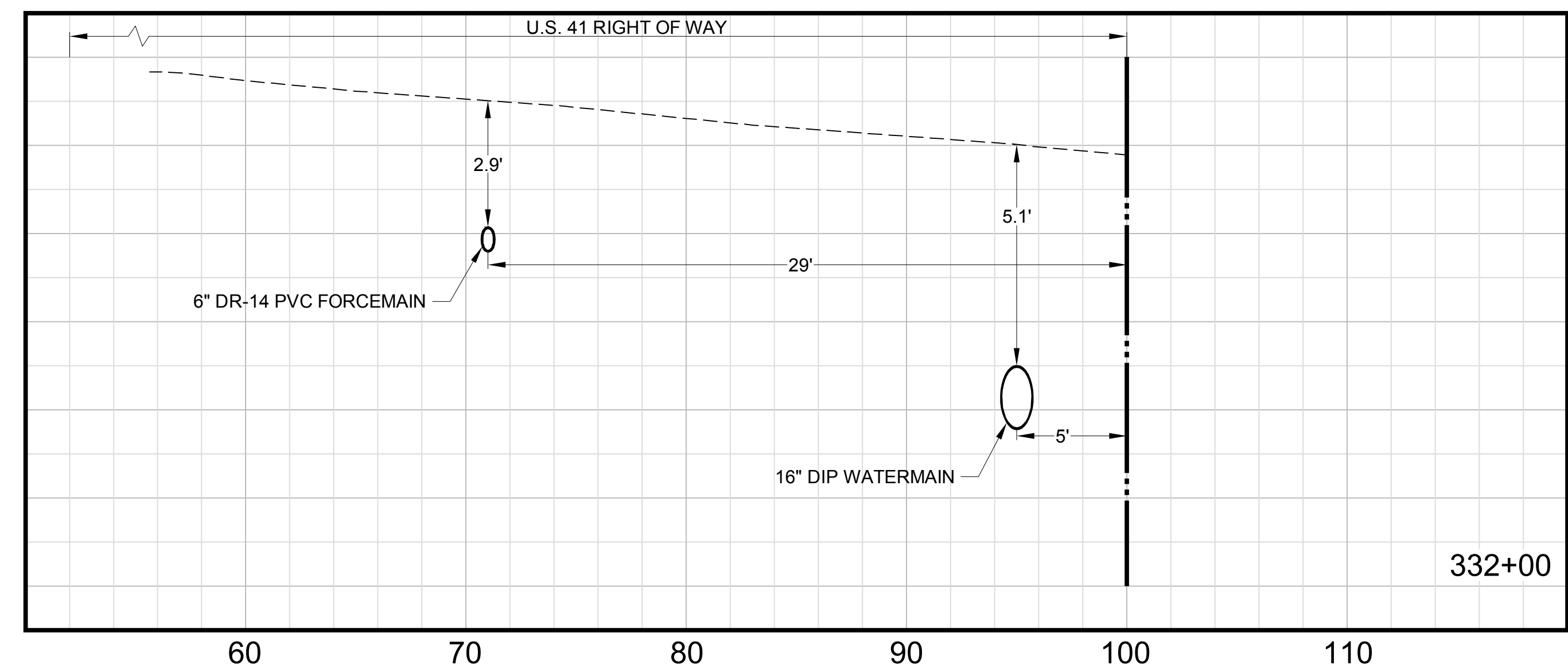
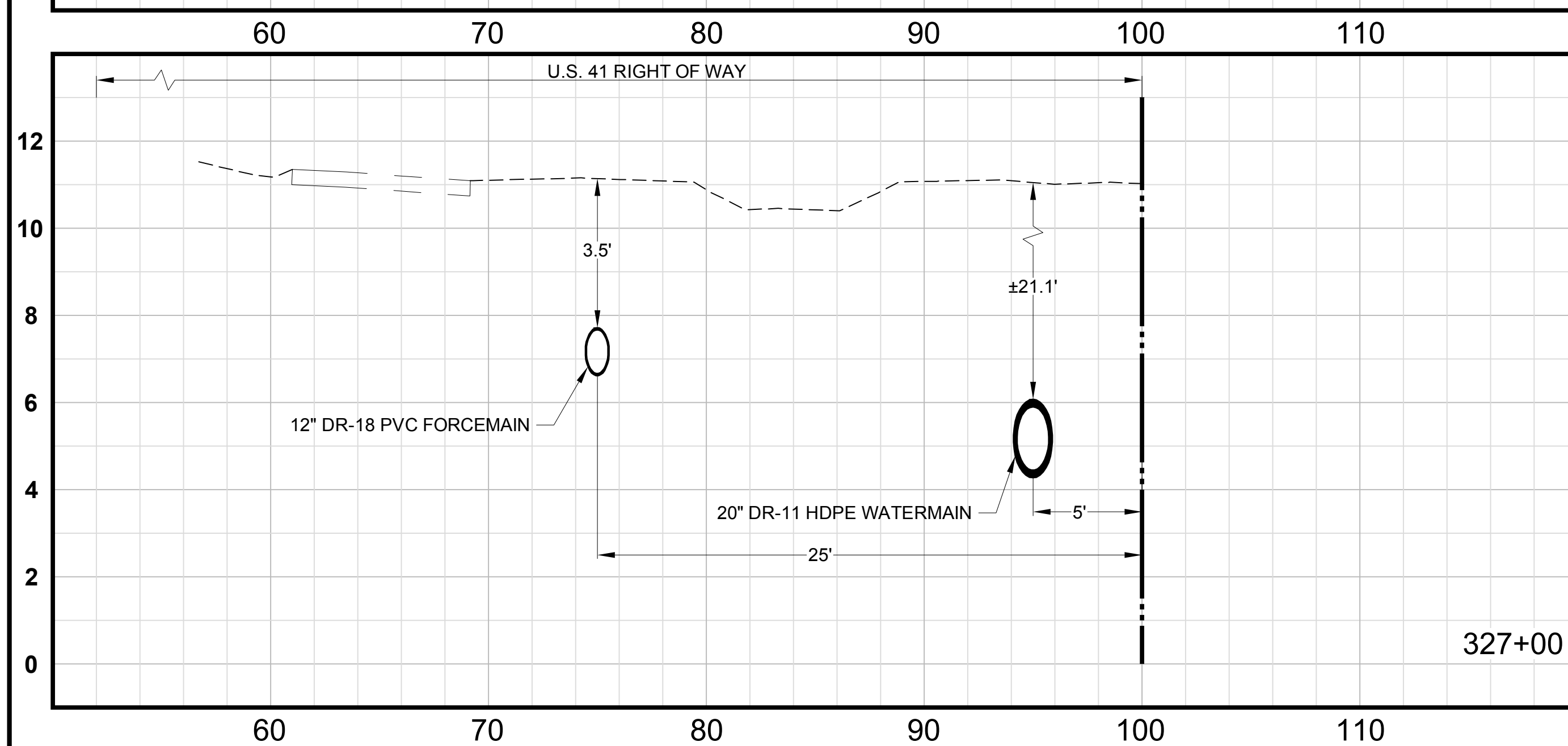
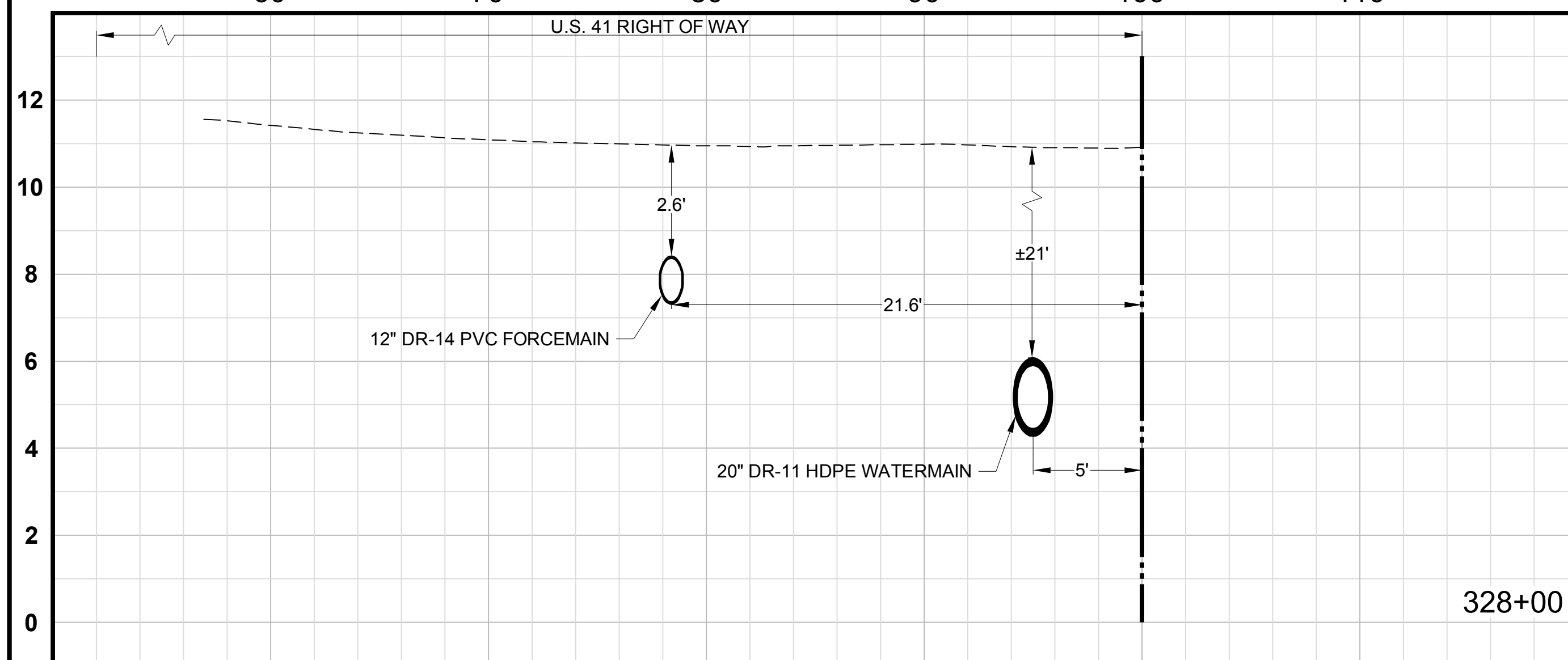
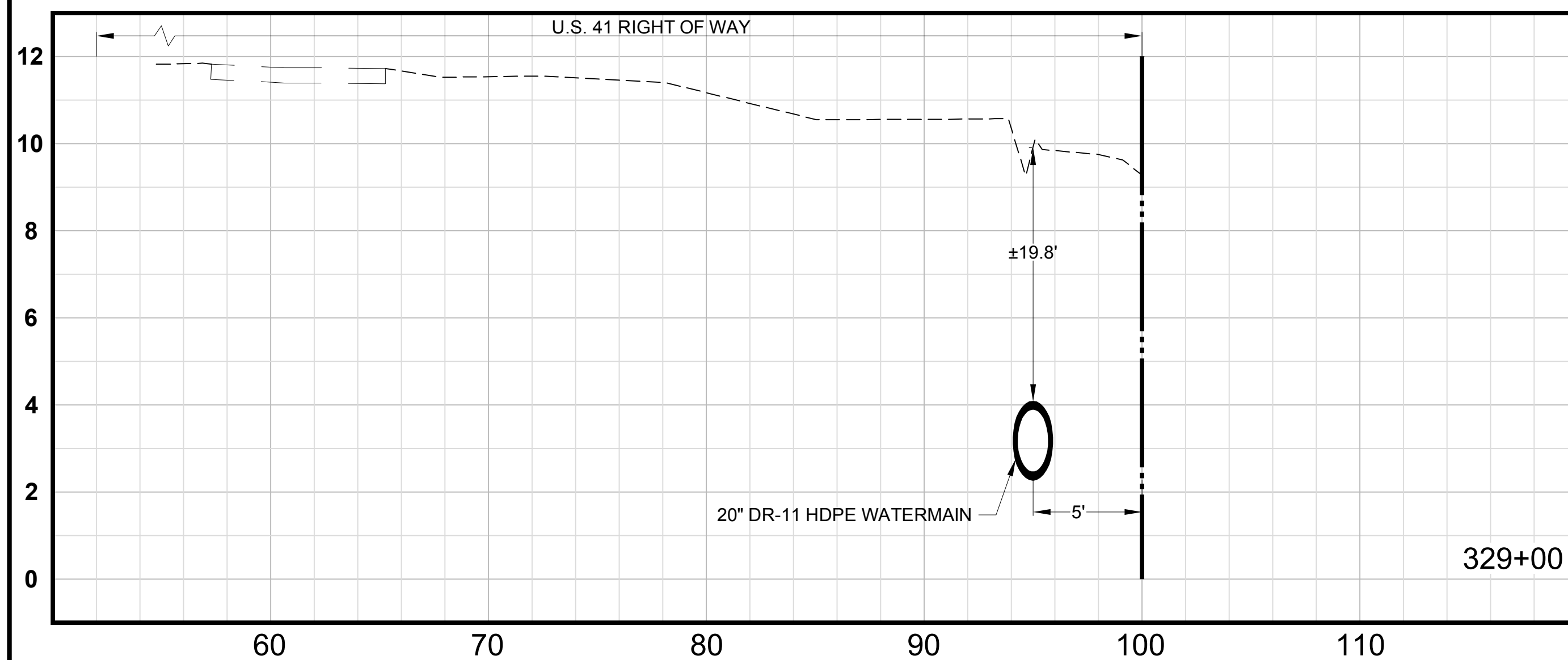
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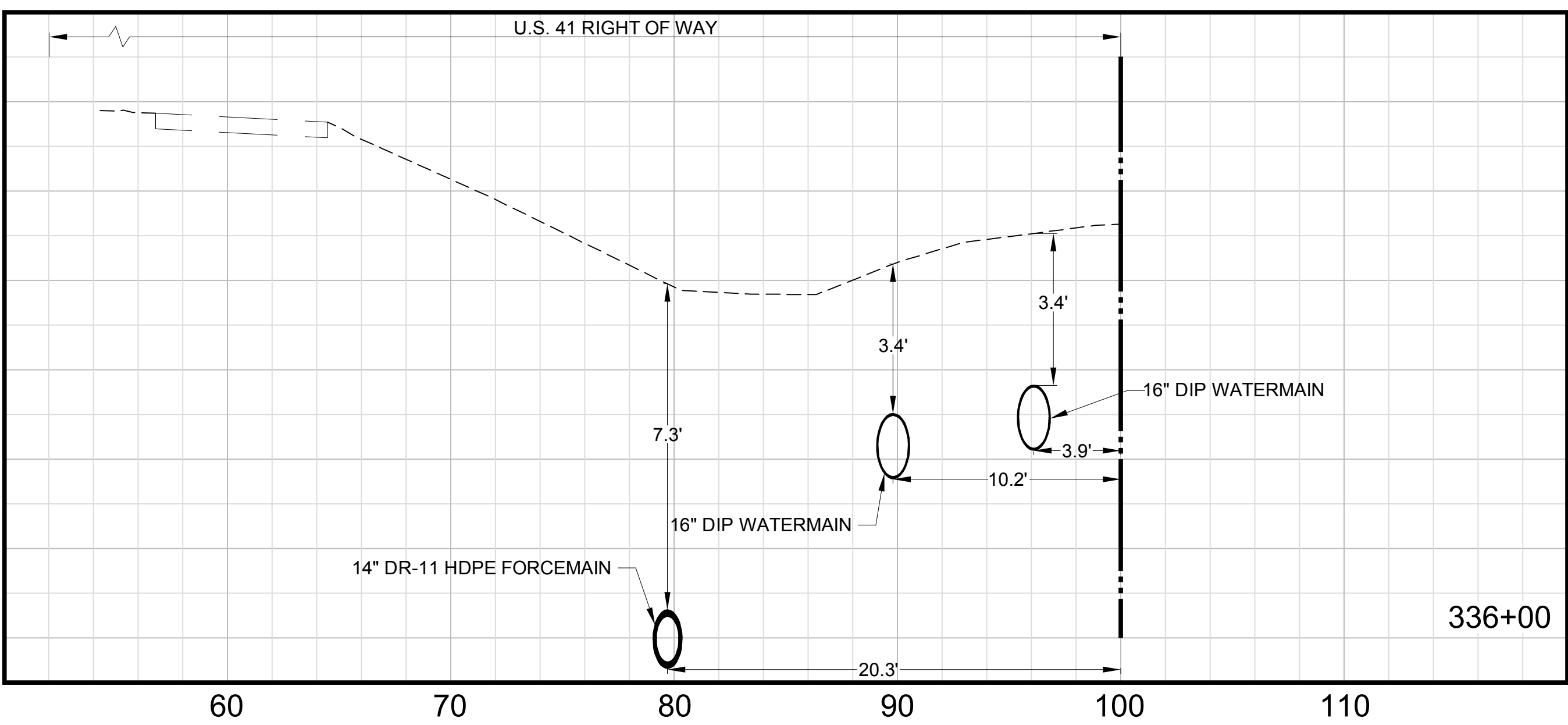
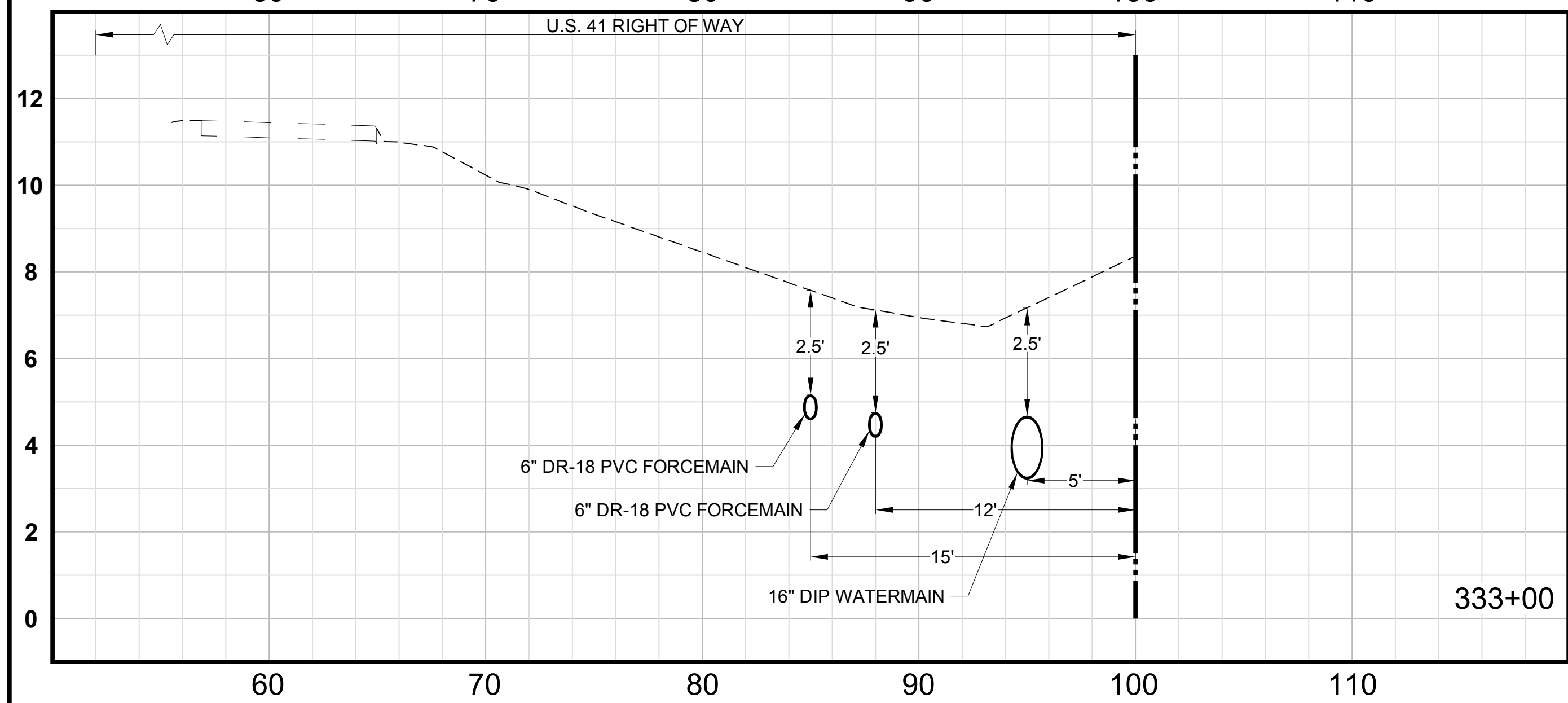
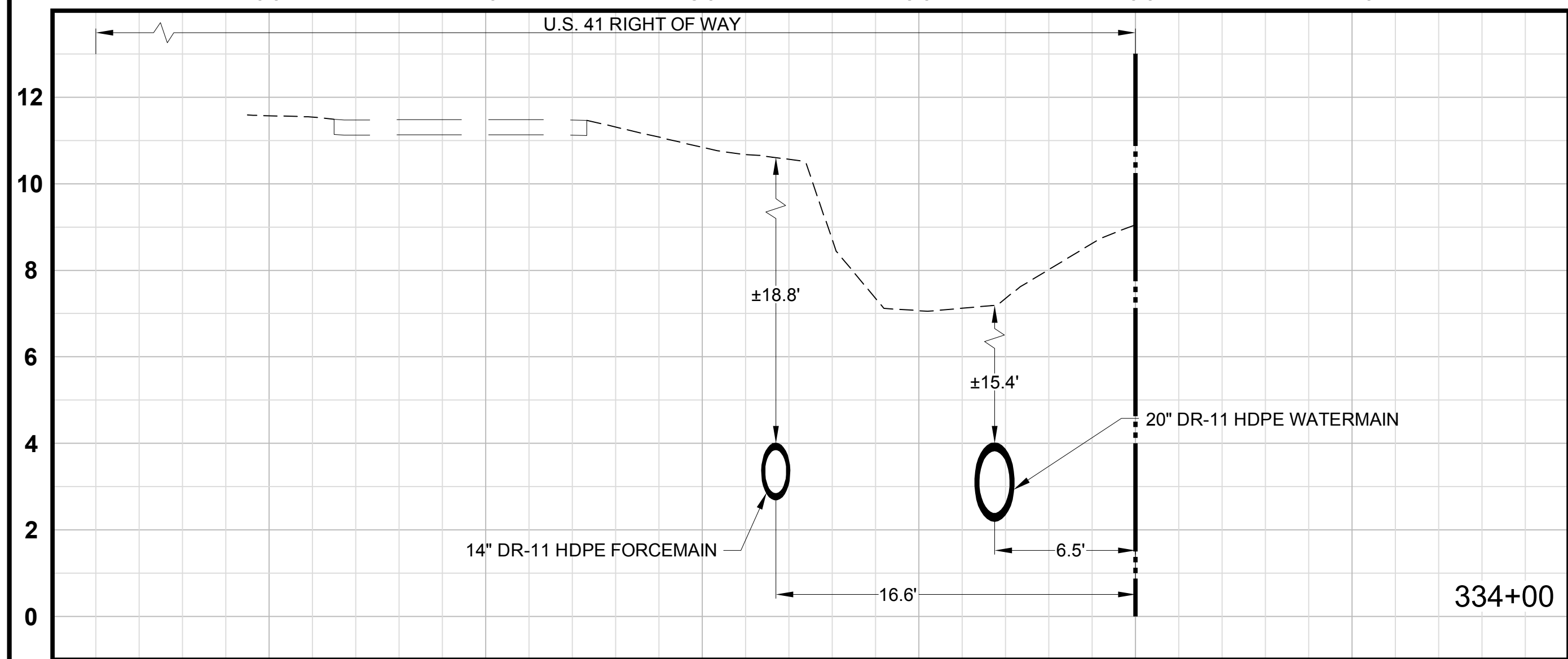
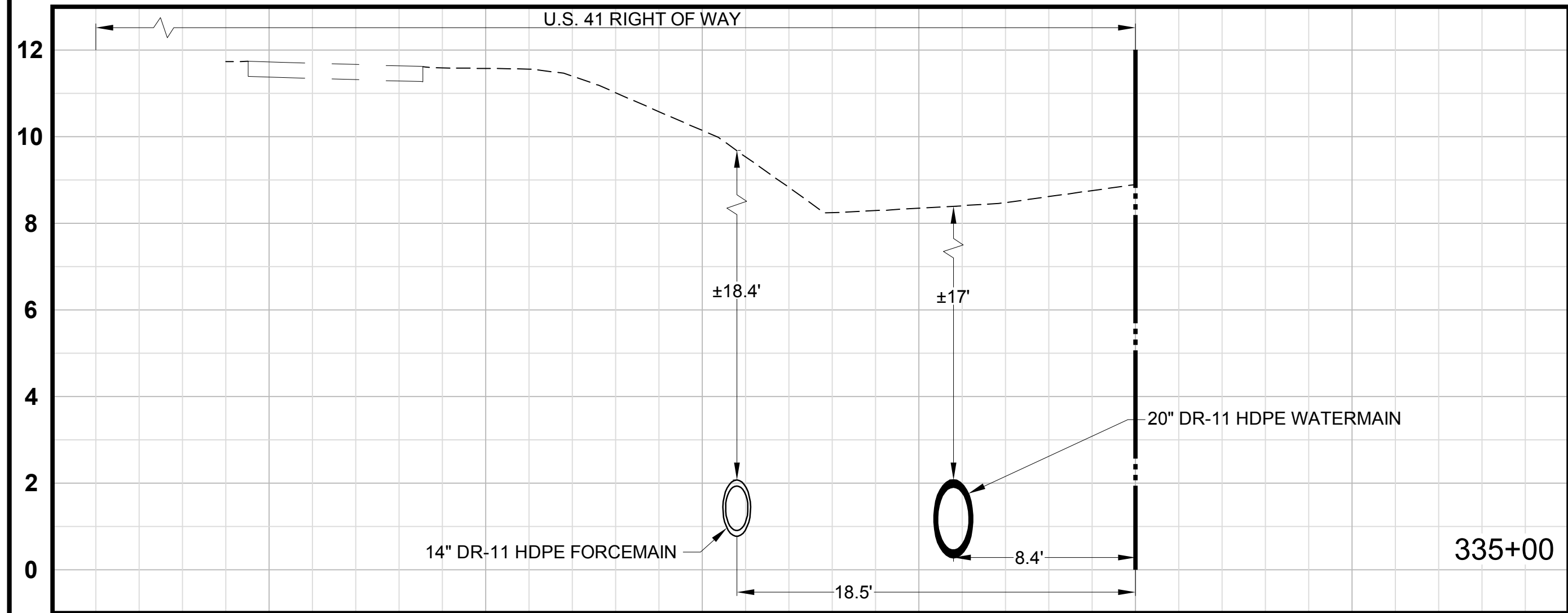
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2018-06-12

**CROSS
SECTIONS
U.S. 41**

PROJECT / FILE NO. **23063**

SHEET NUMBER **C6.4**





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PREPARED FOR

UTILITIES

LEE COUNTY

1500 MONROE STREET

FORT MYERS, FLORIDA 33901

PHONE (239) 533-8181

FAX (239) 485-8845

WWW.LEEGOV.COM/UTILITIES

PROJECT DESCRIPTION

U.S. 41 (S.R. 45)

TRANSMISSION MAINS

PHASE 1B

TRAILWINDS DRIVE TO

SOUTH AIRPORT ROAD

PART OF SECTION 12 AND 13

TOWNSHIP 45 SOUTH,

RANGE 24 EAST

FORT MYERS, 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:\23063\DWG\DO\PHASE 1B\

LOCATION J:\23063\DWG\DO\PHASE 1B\

PLOT DATE TUE, 6-12-2018 - 9:55 AM

PLOT BY JAN BILDZUKIEWICZ

CROSS REFERENCED DRAWINGS

PLAN REVISIONS

PLAN STATUS

BID SET

2018-06-12

CROSS SECTIONS

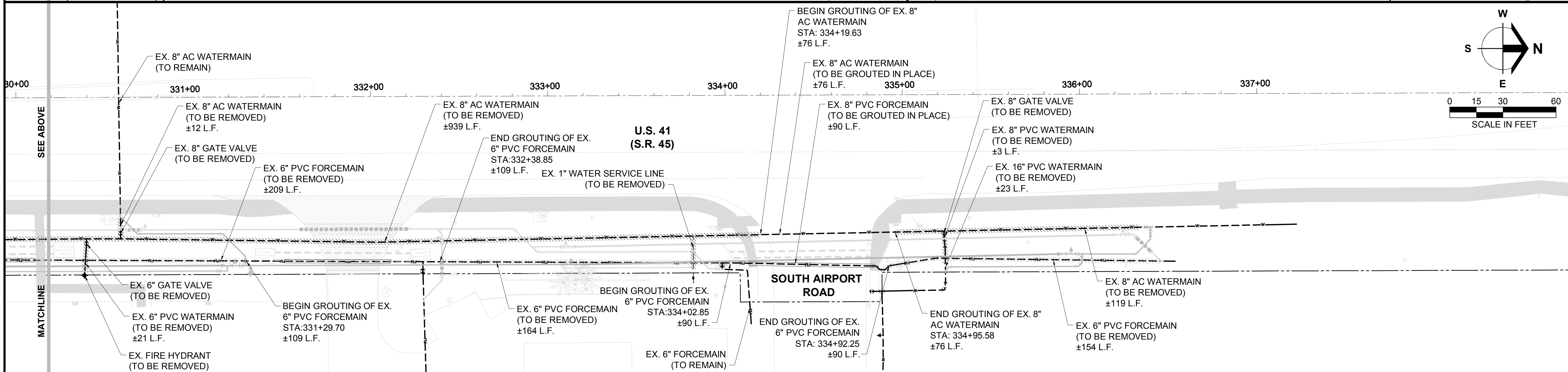
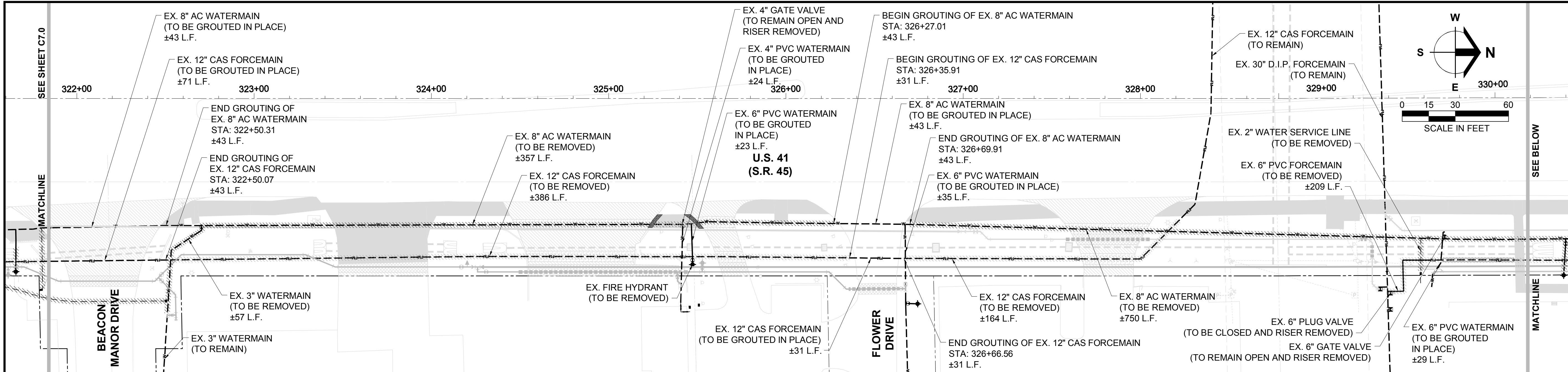
U.S. 41

PROJECT / FILE NO.

23063

SHEET NUMBER

C6.6



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U.S. 41 (S.R. 45)
TRANSMISSION MAINS

PHASE 1B
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PLOT BY | JAN BILDZUKEWICZ

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PROFILE = 23063C00P.DWG
SURVEY = 23063S00.DWG

PLAN REVISIONS

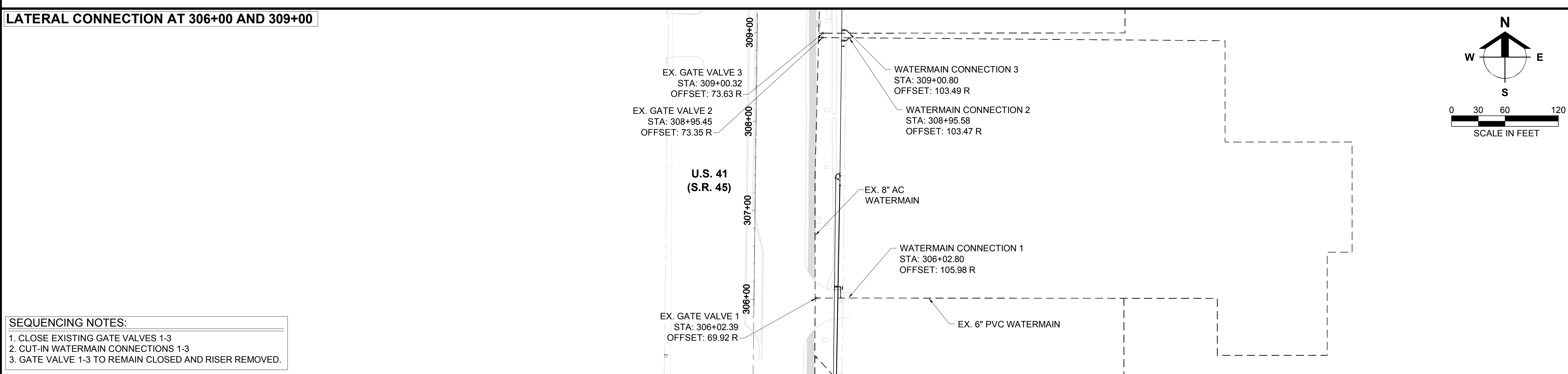
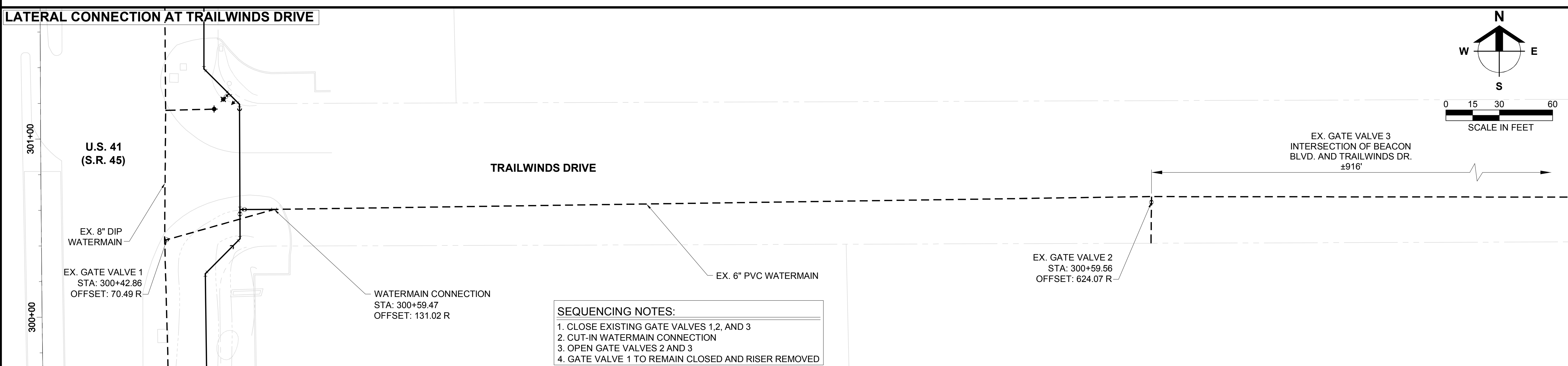
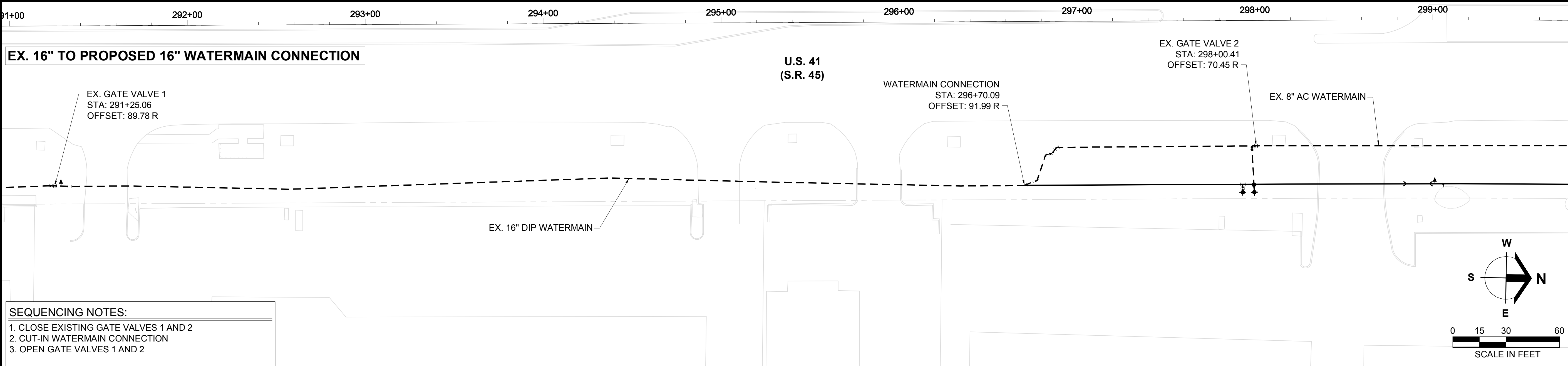
PLAN STATUS

BID SET
2018-06-12

GROUTING
AND REMOVAL
PLAN U.S. 41

PROJECT / FILE NO. | 23063

SHEET NUMBER | C7.1



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PLOT BY | JAN BILDZUKEWICZ

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SURVEY = 23063S00.DWG

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PLAN STATUS

BID SET
2018-06-12

**WATERMAIN
CONNECTION
SEQUENCING**

PROJECT / FILE NO.	SHEET NUMBER
23063	C8.0

LATERAL CONNECTION AT 312+00

SEQUENCING NOTES:

1. CLOSE EXISTING GATE VALVES 1 AND 2
2. INSTALL LINE STOP
2. CUT-IN WATERMAIN CONNECTION
3. OPEN GATE VALVES 1
4. GATE VALVE 2 TO BE REMOVED.

U.S. 41
(S.R. 45)

313+00
312+00

EX. 8" AC
WATERMAIN

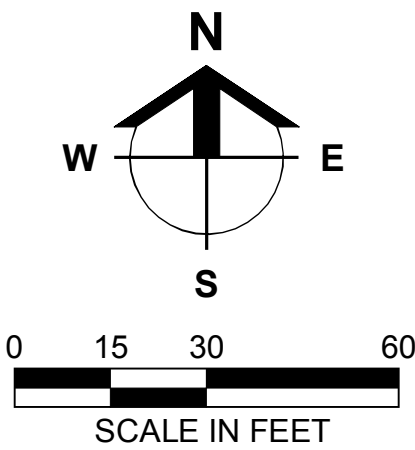
LINE STOP
STA: 312+26.73
OFFSET: 74.15 R

EX. GATE VALVE 1
STA: 312+24.89
OFFSET: 63.75 R

EX. 6" PVC
WATERMAIN
WATERMAIN
CONNECTION
STA: 312+24.81
OFFSET: 68.77 R

EX. GATE VALVE 2
STA: 312+17.06
OFFSET: 74.15 R

PALM POINTE
DRIVE



LATERAL CONNECTION AT 313+00 AND 316+00

SEQUENCING NOTES:

1. CLOSE EXISTING GATE VALVES 1-4
2. CUT-IN WATERMAIN CONNECTIONS 1 AND 2
3. OPEN GATE VALVES 3 AND 4
4. GATE VALVES 1 AND 2 TO REMAIN CLOSED AND RISER REMOVED.

U.S. 41
(S.R. 45)

EX. 8" AC
WATERMAIN

EX. GATE VALVE 1
STA: 313+04.91
OFFSET: 76.73 R

EX. 4" PVC WATERMAIN

WATERMAIN CONNECTION 2
STA: 316+18.93
OFFSET: 97.33 R

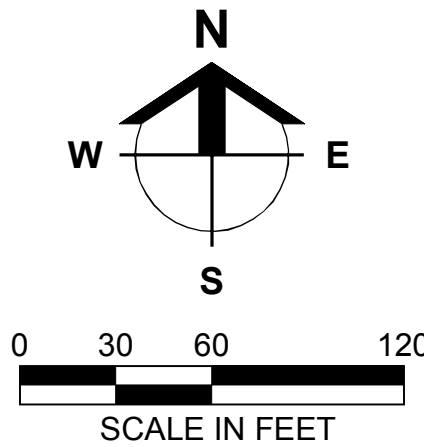
EX. GATE VALVE 2
STA: 316+18.46
OFFSET: 75.46 R

WATERMAIN CONNECTION 1
STA: 313+04.65
OFFSET: 105.32 R

EX. 6" PVC
WATERMAIN

EX. GATE VALVE 3
STA: 316+27.07
OFFSET: 473.39 R

EX. GATE VALVE 4
STA: 313+10.90
OFFSET: 478.59 R



LATERAL CONNECTION AT BEACON MANOR DRIVE

SEQUENCING NOTES:

1. CLOSE EXISTING GATE VALVE 1
2. CUT-IN WATERMAIN CONNECTION
3. GATE VALVE 1 TO REMAIN CLOSED AND RISER REMOVED

U.S. 41
(S.R. 45)

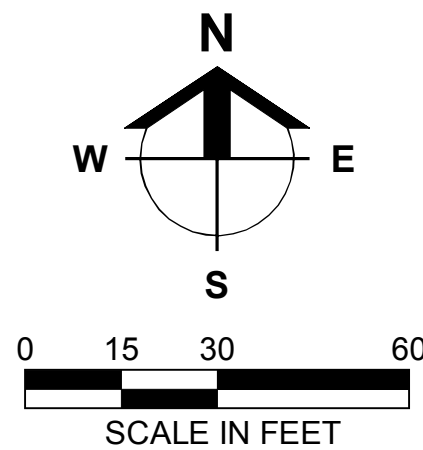
323+00
322+00

EX. 8" AC
WATERMAIN

EX. GATE VALVE 1
STA: 322+70.31
OFFSET: 72.34 R

WATERMAIN
CONNECTION
STA: 322+51.02
OFFSET: 122.21 R

EX. 3" PVC
WATERMAIN



BEACON MANOR DRIVE

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LEE COUNTY

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PROJECT DESCRIPTION

U.S. 41 (S.R. 45)
TRANSMISSION MAINS

PHASE 1B

TRAILWINDS DRIVE TO
SOUTH AIRPORT ROAD

PART OF SECTION 12 AND 13
TOWNSHIP 45 SOUTH,
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FORT MYERS, LEE COUNTY, FLORIDA

ENGINEER OF RECORD

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PLOT DATE | TUE. 6-12-2018 - 9:57 AM

PLOT BY | JAN BILDZUKEWICZ

CROSS REFERENCED DRAWINGS

BASEPLAN = 23063A00.DWG
PROFILE = 23063C00P.DWG
SURVEY = 23063S00.DWG

PLAN REVISIONS

PLAN STATUS

BID SET
2018-06-12

**WATERMAIN
CONNECTION
SEQUENCING**

PROJECT / FILE NO.

23063

SHEET NUMBER

C8.1

LATERAL CONNECTION AT FLOWER DRIVE

SEQUENCING NOTES:

1. INSTALL TAPPING SLEEVE AND VALVE
2. INSTALL 6" LINE STOP
3. REMOVE EX. WATERMAIN

LATERAL CONNECTION AT 330+00

SEQUENCING NOTES:

1. CLOSE EXISTING GATE VALVES 1, 2, AND 3
2. CUT-IN WATERMAIN CONNECTION
3. OPEN GATE VALVES 1 AND 2
4. GATE VALVE 3 TO BE REMOVED

LATERAL CONNECTION AT SOUTH AIRPORT ROAD

SEQUENCING NOTES:

1. CLOSE EXISTING GATE VALVES 1 AND 2
2. CUT-IN WATERMAIN CONNECTION
3. OPEN GATE VALVE 2
4. GATE VALVE 1 TO BE REMOVED

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SURVEY = 23063S00.DWG

PLAN REVISIONS

PLAN STATUS

BID SET

2018-06-12

WATERMAIN

CONNECTION

SEQUENCING

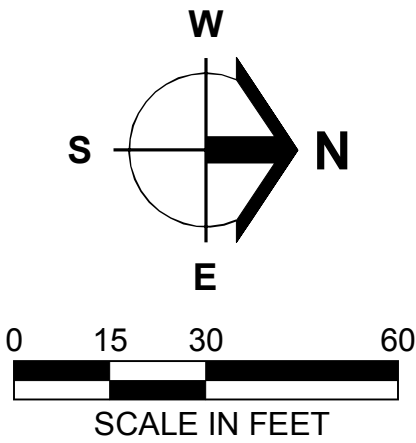
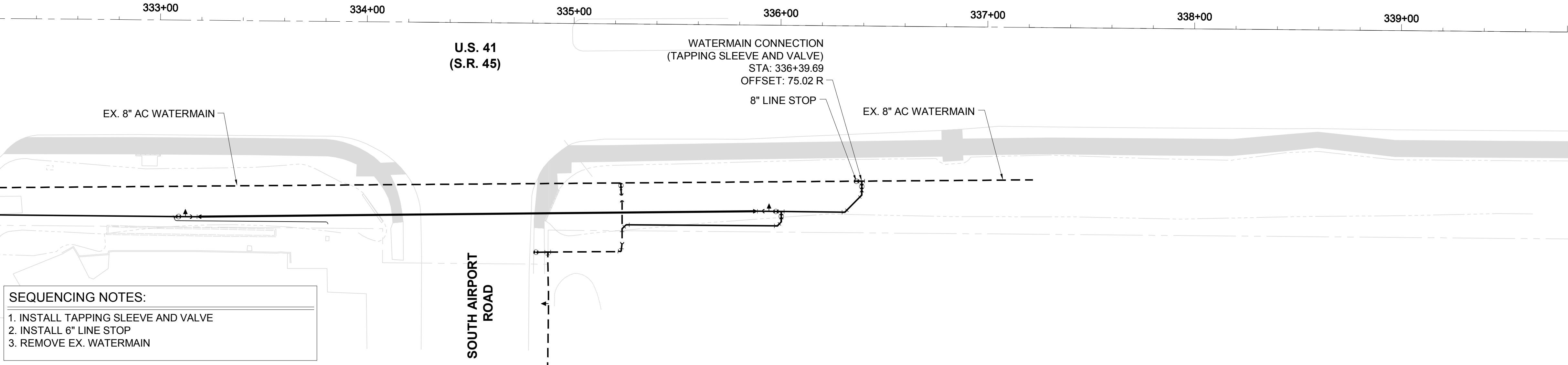
PROJECT / FILE NO.

23063

SHEET NUMBER

C8.2

EX. 8" TO PROPOSED 16" WATERMAIN CONNECTION



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PLOT BY	JAN BILDZUKEWICZ

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BASEPLAN = 23063A00.DWG
PROFILE = 23063C00P.DWG
SURVEY = 23063S00.DWG

PLAN REVISIONS	

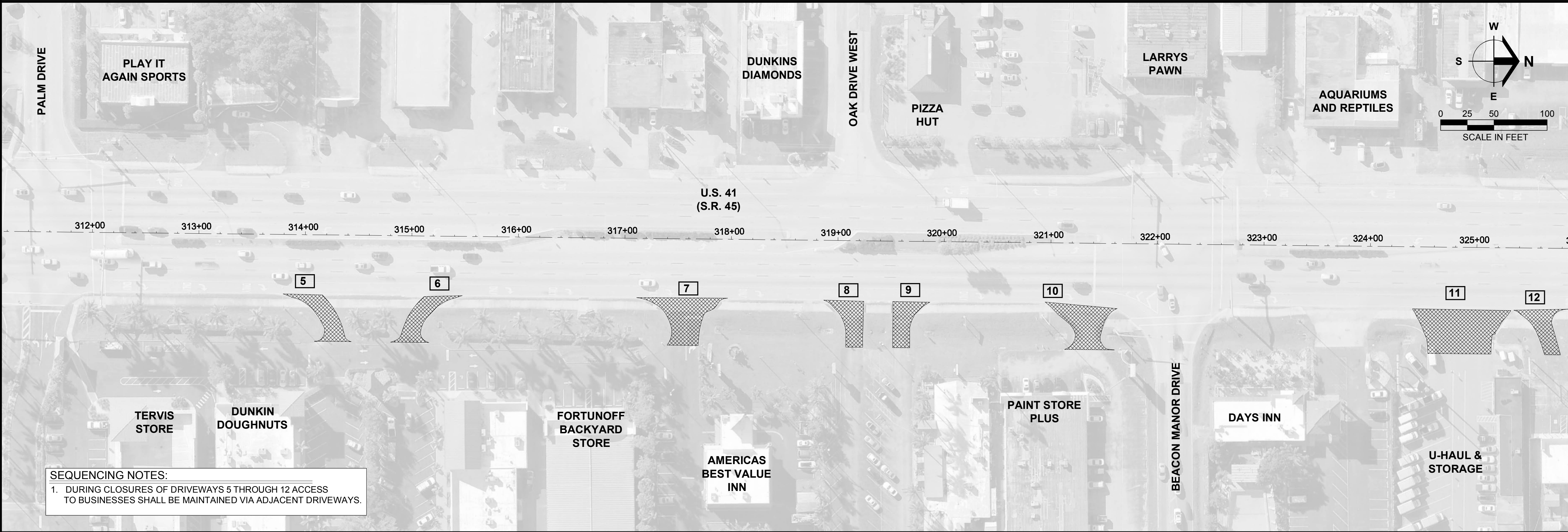
PLAN STATUS
BID SET 2018-06-12

**WATERMAIN
CONNECTION
SEQUENCING**

PROJECT / FILE NO.	SHEET NUMBER
23063	C8.3



SEQUENCING NOTES:
1. DURING CLOSURES OF DRIVEWAYS 1, 2, AND 3 ACCESS TO BUSINESSES SHALL BE MAINTAINED VIA ADJACENT DRIVEWAYS.
2. DRIVEWAY 4 SHALL BE OPEN CUT 1 LANE AT A TIME.



SEQUENCING NOTES:
1. DURING CLOSURES OF DRIVEWAYS 5 THROUGH 12 ACCESS TO BUSINESSES SHALL BE MAINTAINED VIA ADJACENT DRIVEWAYS.

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SURVEY = 23063S00.DWG

PLAN REVISIONS

PLAN STATUS

BID SET

2018-06-12

OPEN CUT

M.O.T.

SEQUENCING

PROJECT / FILE NO.

23063

SHEET NUMBER

C8.4



<p>SEQUENCING NOTES:</p> <p>1. DURING CLOSURES OF DRIVEWAYS 13 AND 14 ACCESS TO BUSINESSES SHALL BE MAINTAINED VIA ADJACENT DRIVEWAYS.</p>	
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PLOT BY JAN BILDZUKEWICZ	
CROSS REFERENCED DRAWINGS	
SURVEY = 23063S00.DWG	
PLAN REVISIONS	
PLAN STATUS	
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OPEN CUT M.O.T. SEQUENCING	
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23063	C8.5

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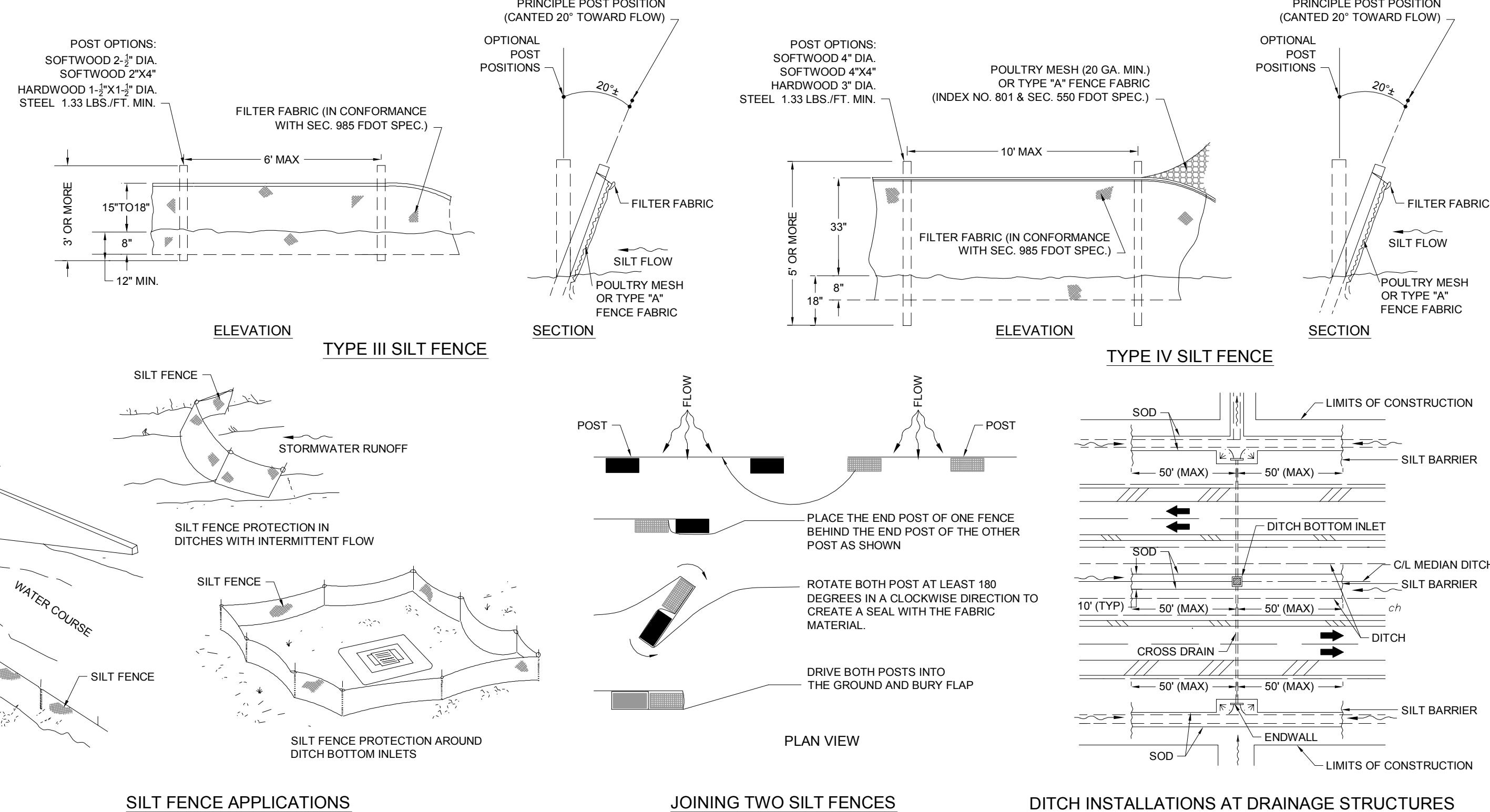
OPEN CUT
M.O.T.
SEQUENCING

PROJECT / FILE NO.

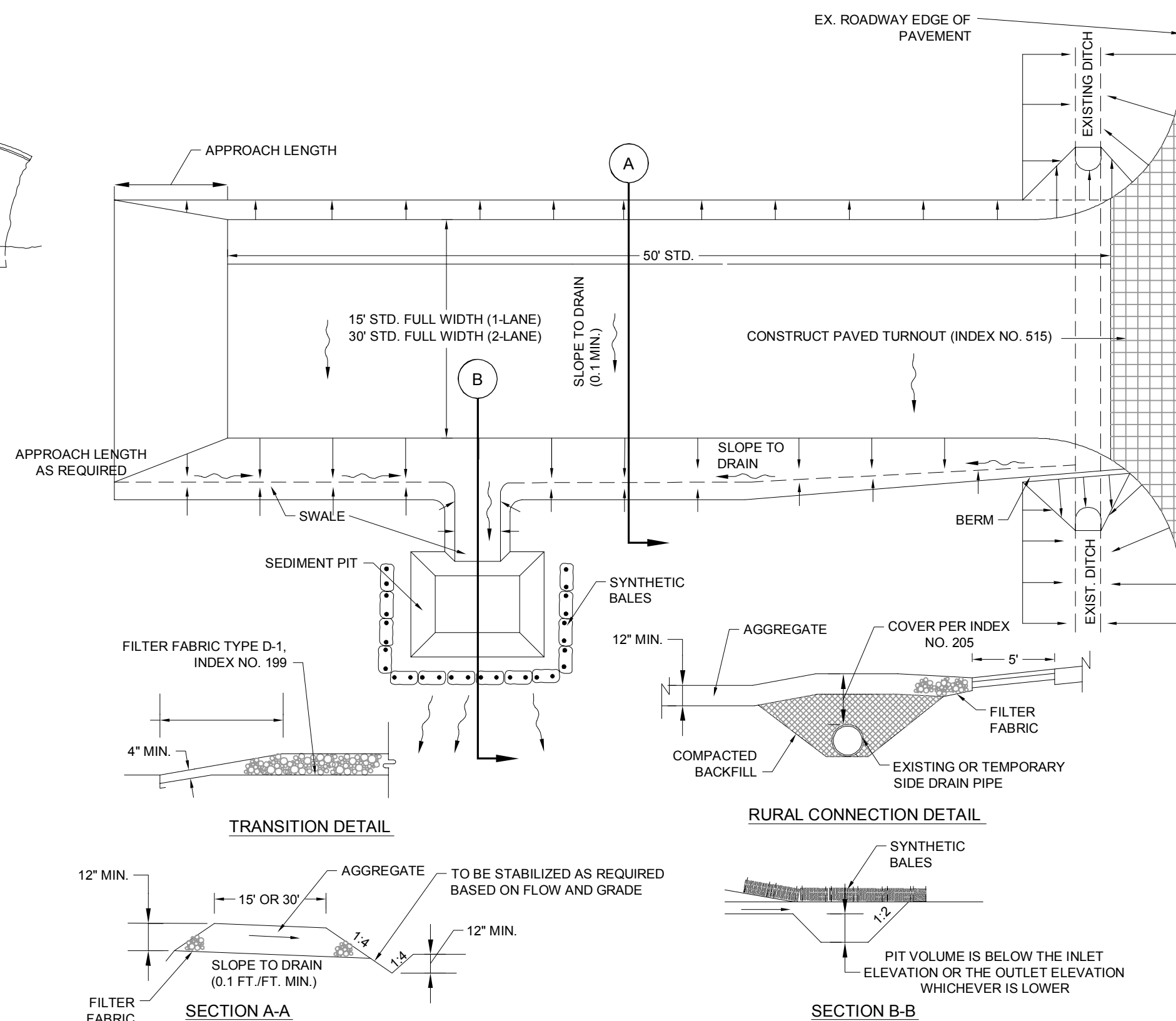
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SHEET NUMBER

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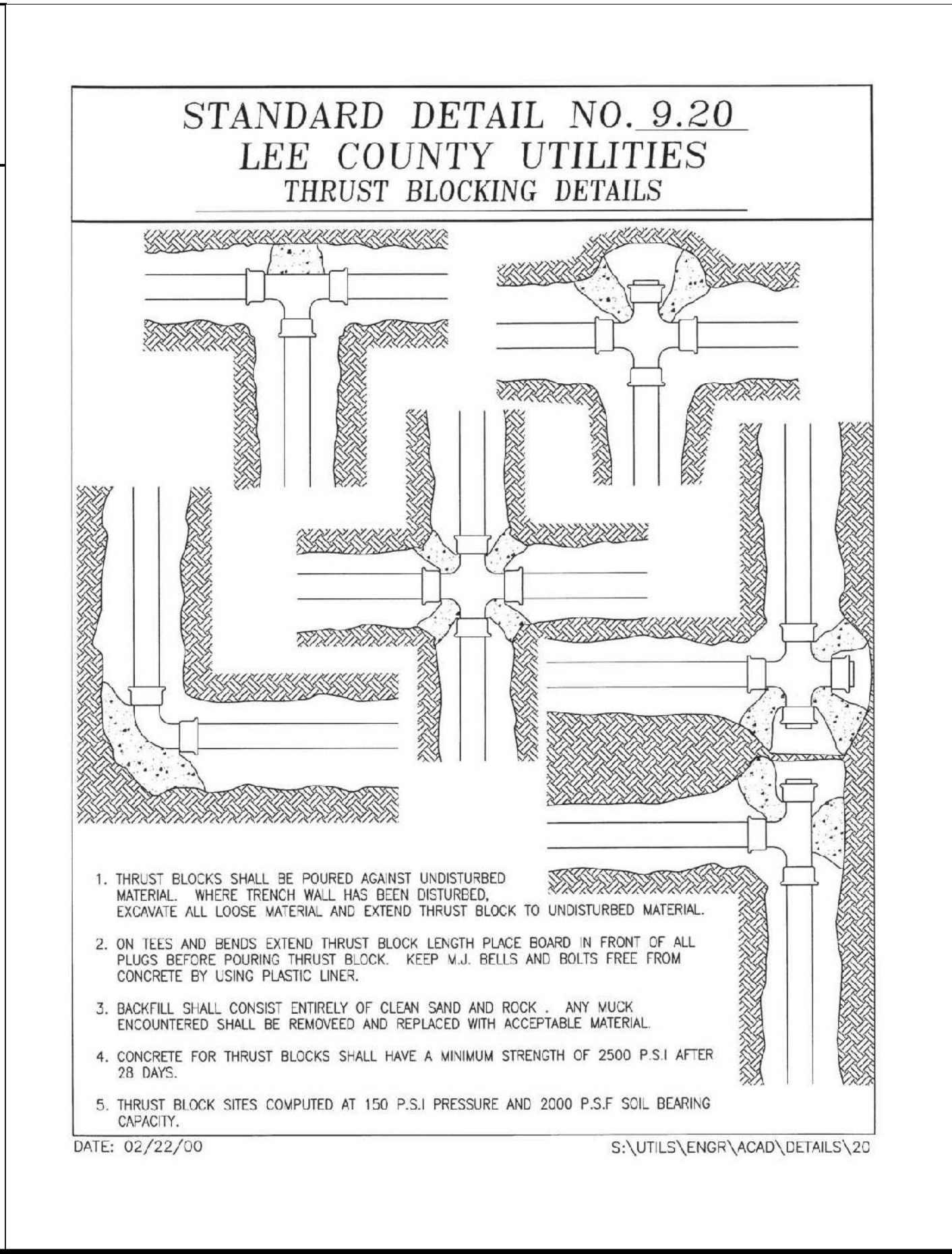
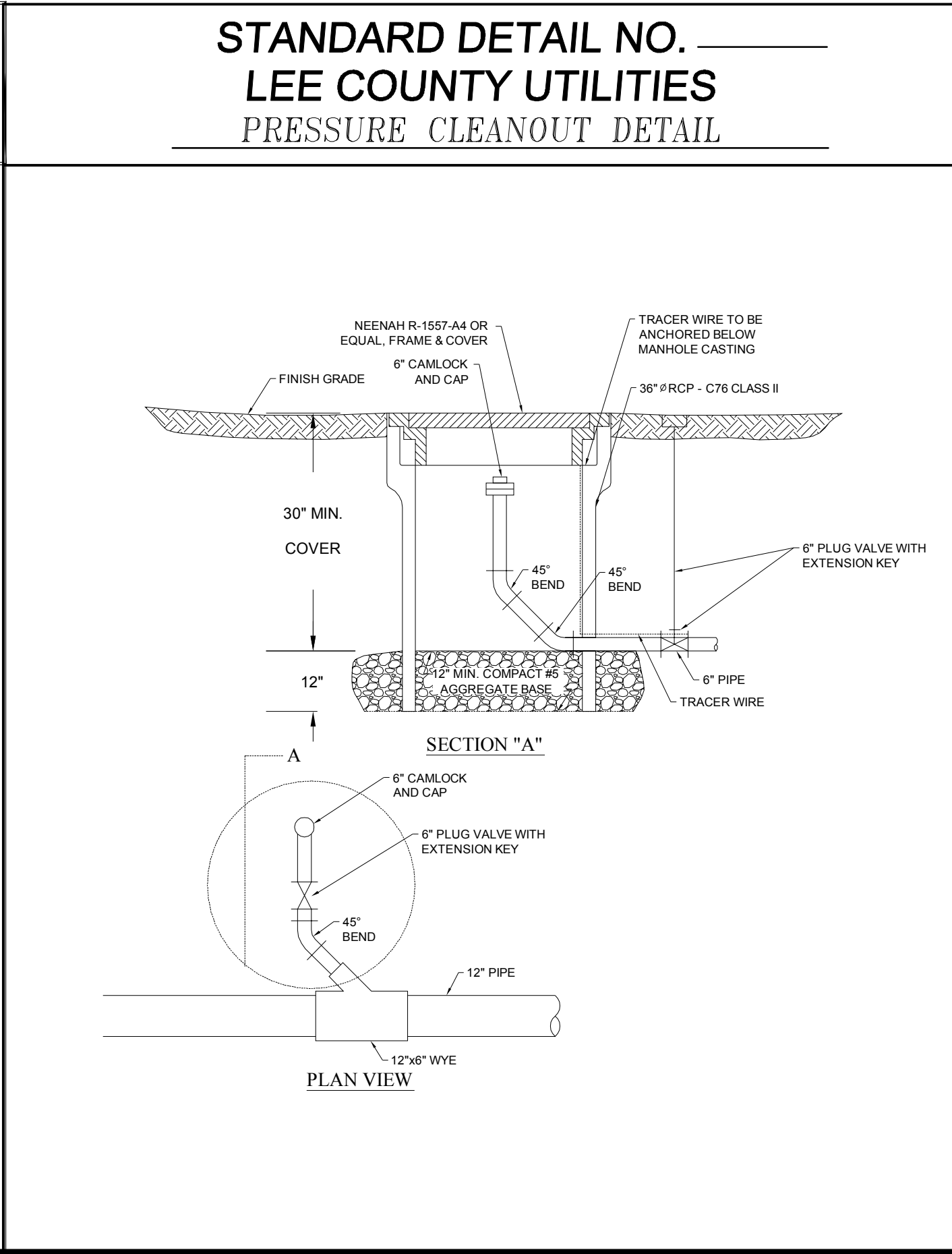
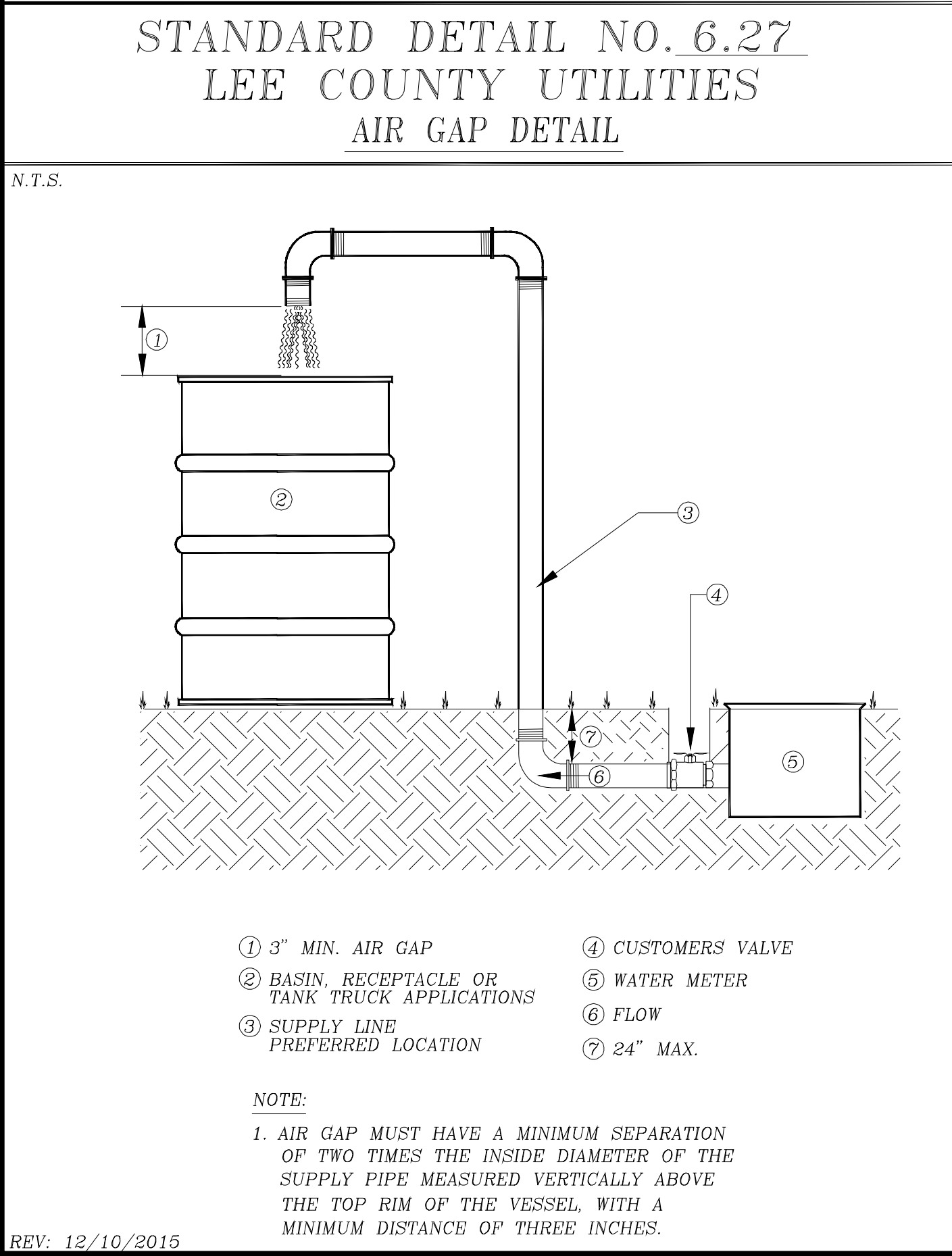
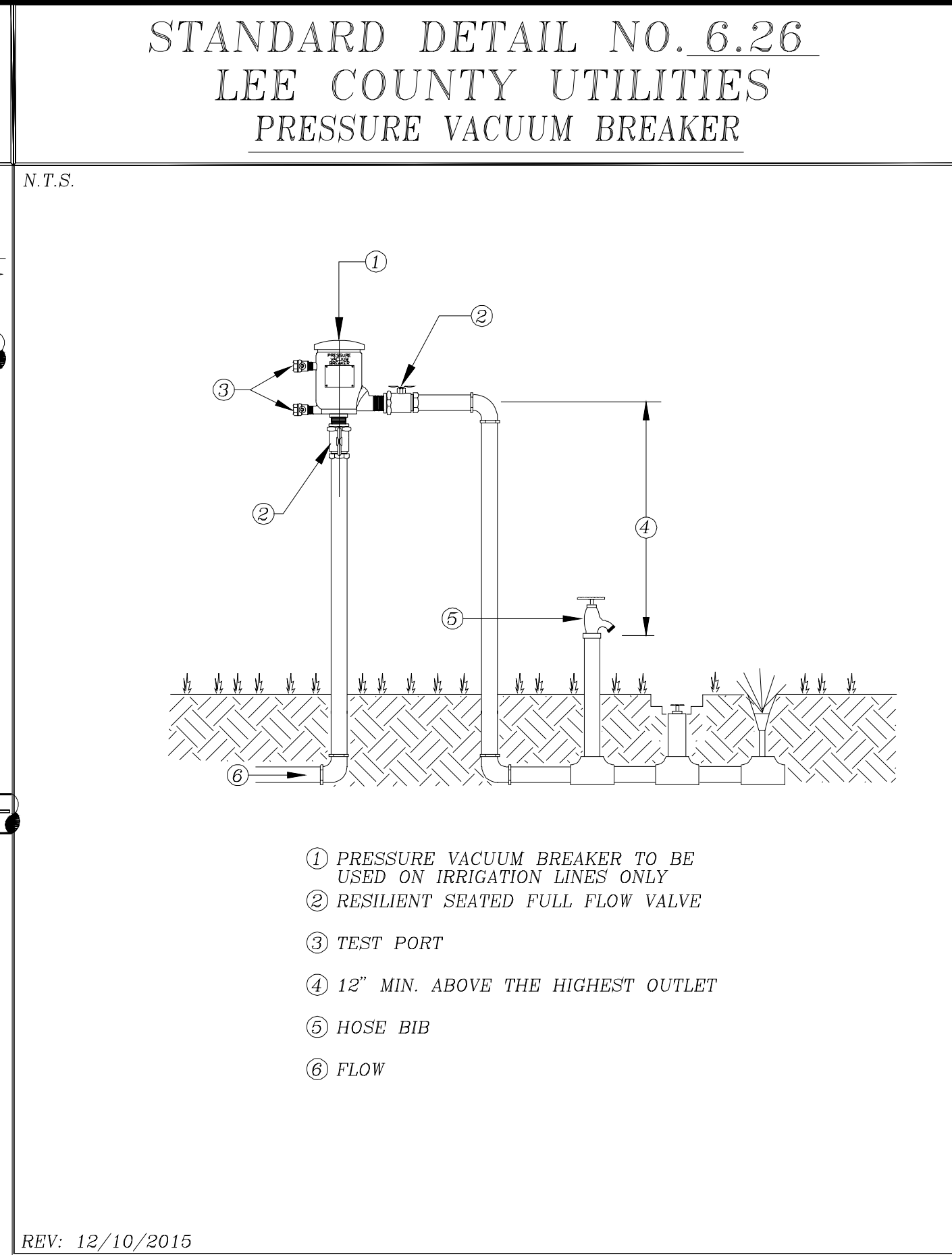
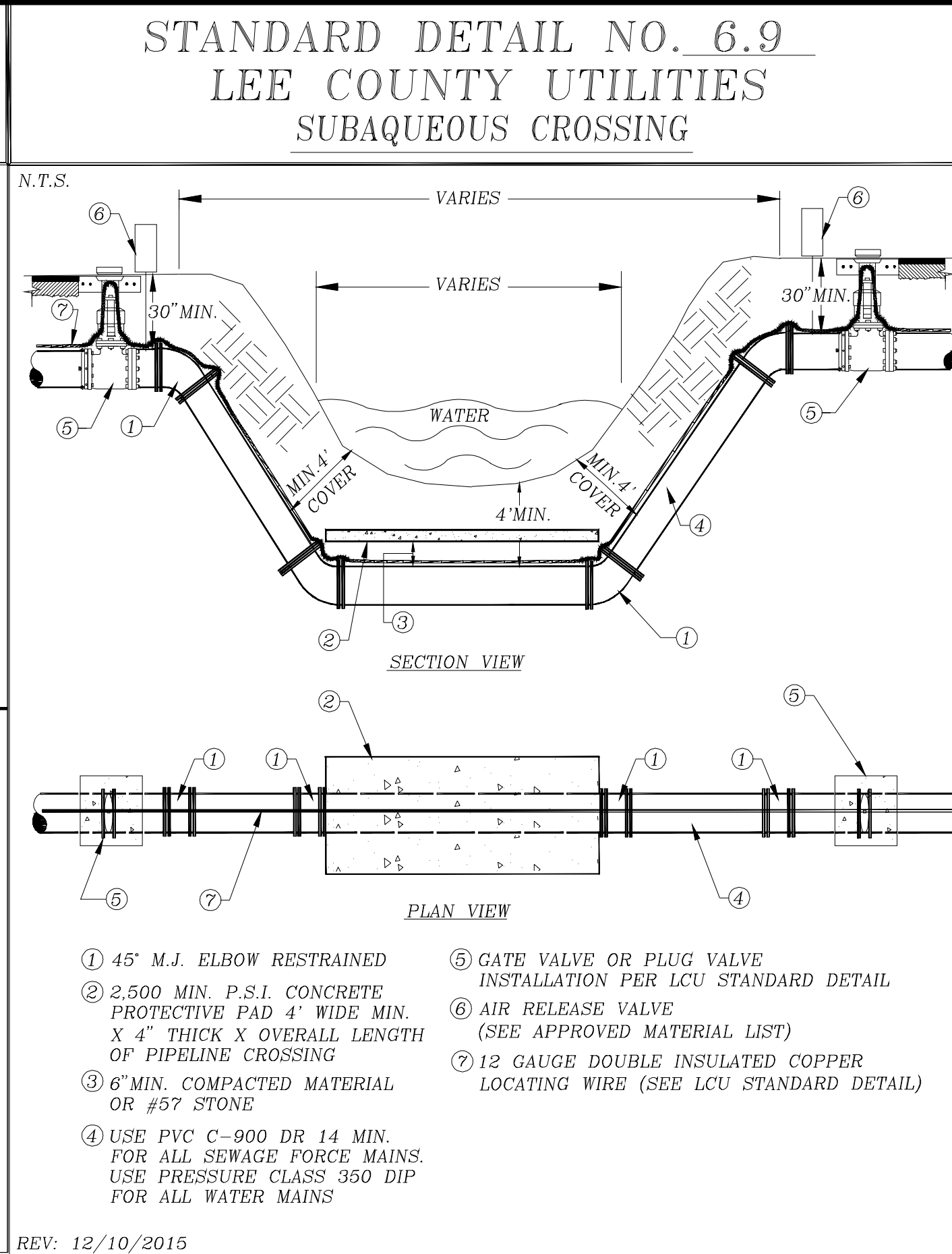
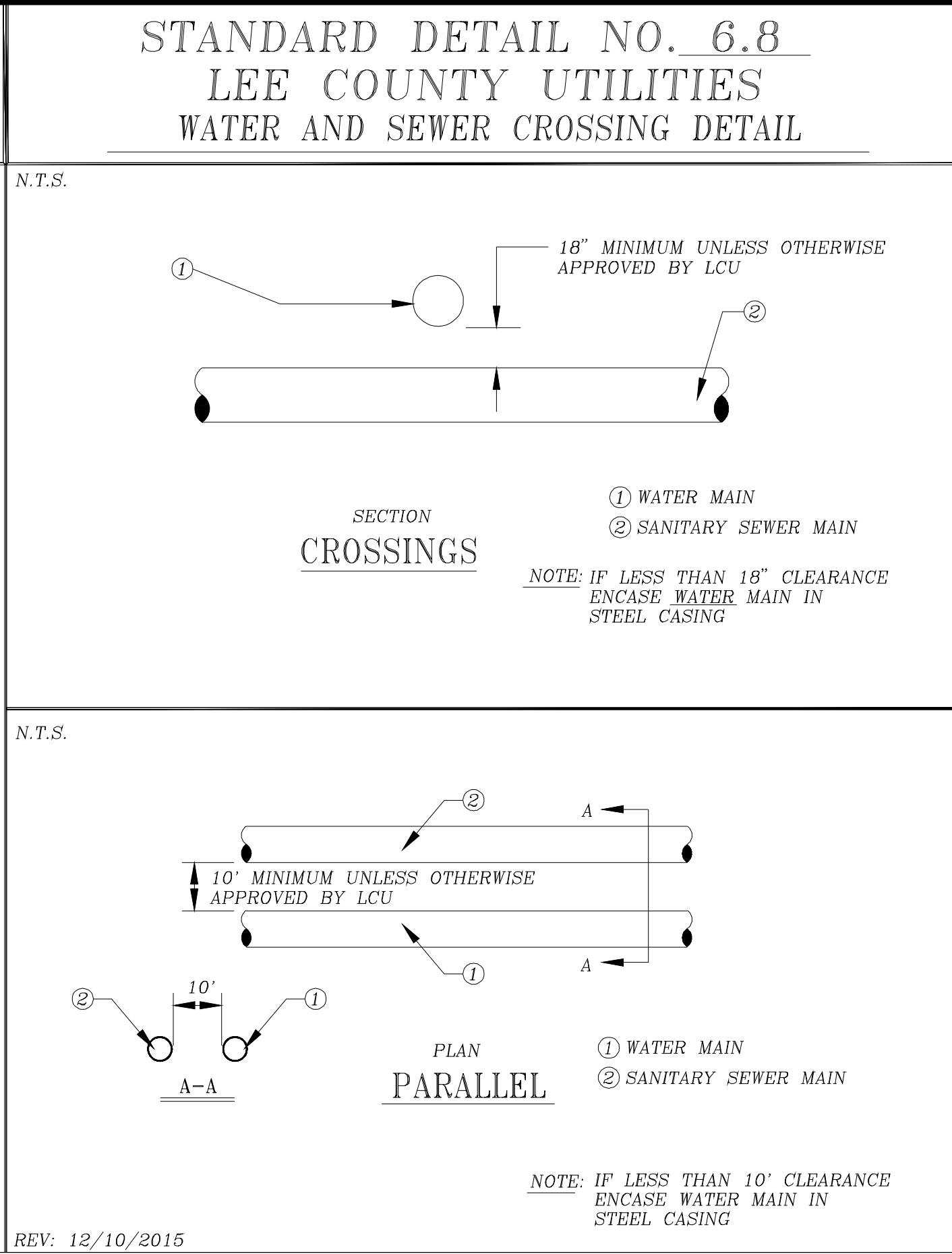
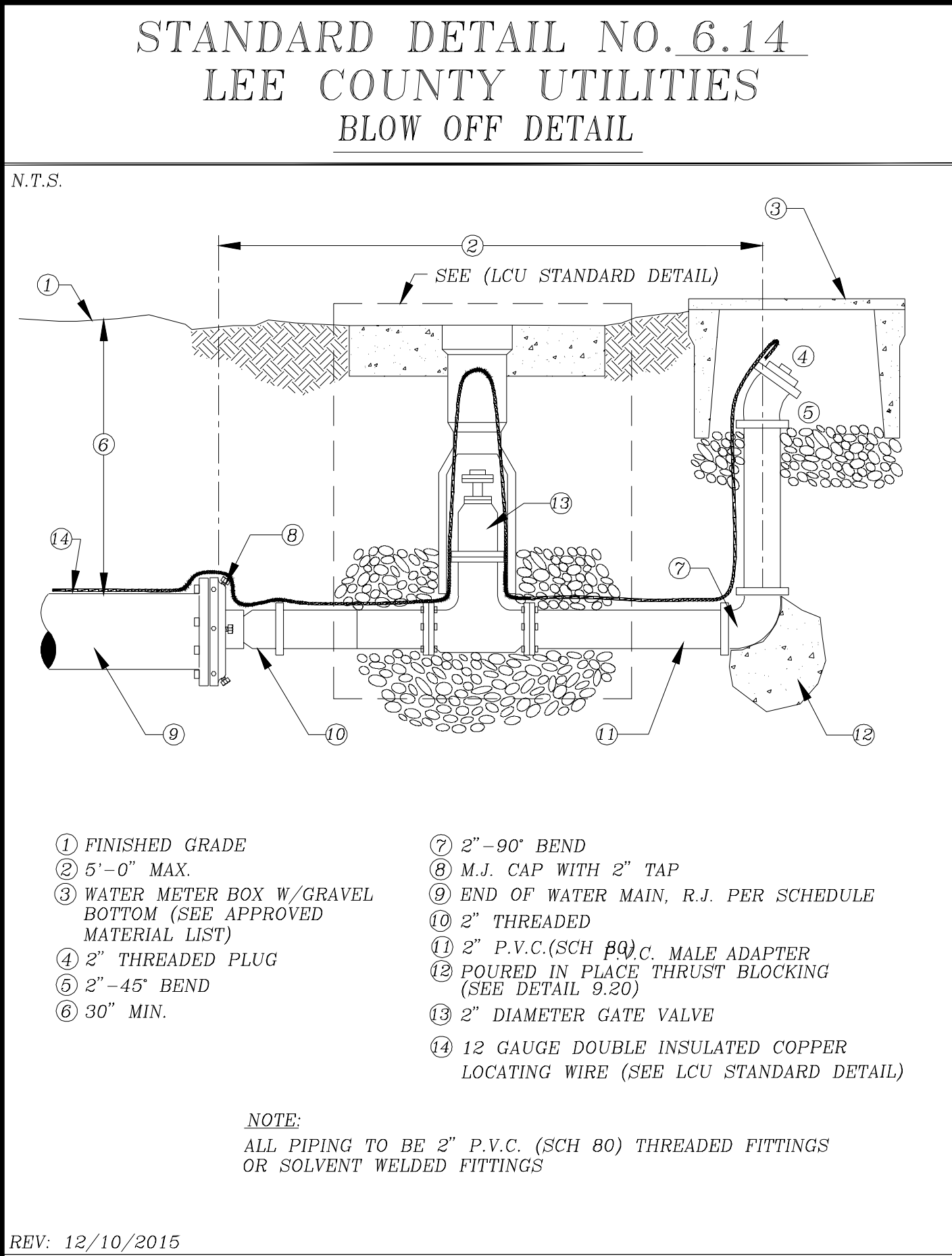
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1. PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY APPROPRIATE EROSION CONTROL DEVICES SHALL BE INSTALLED TO CONTROL AND REDUCE SOIL EROSION AND SEDIMENT TRANSPORT TO OFF-SITE AREAS. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION. ALL DEVICES SHALL REMAIN IN PLACE UNTIL PERMANENT EROSION CONTROL IS ESTABLISHED.
2. THE CONTRACTOR SHALL SUPPLEMENT THIS PLAN AS REQUIRED TO CONTROL AND REDUCE SOIL EROSION BASED ON THE CONTRACTOR'S MEANS, METHODS AND TECHNIQUE OF CONSTRUCTION. IT IS RECOMMENDED THAT THE CONTRACTOR COMPLY WITH THE LATEST EDITIONS OF THE F.D.O.T. STANDARD SPECIFICATIONS SECTION 104 (PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION) AND THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL (THE "EASC MANUAL").
3. THE DETAILS ON THIS SHEET REPRESENT TYPICAL BEST MANAGEMENT PRACTICES FOR SOIL EROSION CONTROL. THEY MAY NOT SATISFY ALL REQUIREMENTS FOR COMPLIANCE WITH REGULATORY AGENCIES AND / OR SPECIFIC PERMIT CONDITIONS AND ALL MAY NOT APPLY TO THIS PROJECT.
4. THE CONTRACTOR AND/OR OWNER SHALL VERIFY THAT THE RESPONSIBLE ENTITY HAS OBTAINED A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (N.P.D.E.S.) GENERAL PERMIT FROM THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (E.P.A.) / F.D.E.P. AND LOCAL REGULATORY AGENCIES EAST OF THE PROJECT PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL CREATE, IMPLEMENT AND MAINTAIN A STORMWATER POLLUTION PREVENTION PLAN AS REQUIRED BY THE N.P.D.E.S. GENERAL PERMIT.
5. AREAS LOCATED ADJACENT TO WETLAND / UPLAND PRESERVE AREAS SHALL BE STABILIZED WITH SOG (OR AS CALLED FOR ON DETAILED PLANS) IMMEDIATELY UPON ACHIEVING FINAL GRADE.
6. EROSION CONTROL DEVICES WILL BE INSTALLED ALONG THE BOUNDARY OF THE CONSERVATION AREAS, PRESERVES AND/OR WETLAND AREAS PRIOR TO CONSTRUCTION. THESE DEVICES SHALL BE SILT SCREENS AND, IF NECESSARY, SYNTHETIC BALES. THESE DEVICES SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND THE ADJACENT CONSTRUCTION ZONES ARE ESTABLISHED.
7. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL METHODS UPON COMPLETION OF SOIL STABILIZATION FOR THE PROJECT. AT THAT TIME THE RESPONSIBLE ENTITY SHALL FILE AN N.P.D.E.S. STORMWATER POLLUTION PREVENTION PLAN NOTICE OF TERMINATION WITH THE F.D.E.P.
8. DURING CONSTRUCTION, INLET OPENINGS, WHERE APPROPRIATE, SHALL BE COVERED WITH FILTER FABRIC (MIRAFI 140N OR APPROVED EQUAL) TO PREVENT DEBRIS FROM FALLING INTO THE INLET.
9. CONTRACTOR SHALL UTILIZE APPROPRIATE METHODS TO CONTROL WIND EROSION AND DUST. ALL AREAS SHALL BE STABILIZED AS NECESSARY TO CONTROL EROSION WITHIN 7 DAYS OF FINAL GRADING.
10. FOR ADDITIONAL EROSION CONTROL DETAILS NOT SHOWN ON THIS PLAN, SEE F.D.O.T. ROADWAY STANDARDS INDEX DRAWINGS.

1. PREPARE AND SIGN A NOTICE OF INTENT FORM (N.O.I.) AND SUBMIT TO THE REGULATORY AGENCY ALONG WITH ANY REQUIRED FEES AND ATTACHMENTS, OR ASSURE THAT AN N.O.I. HAS BEEN FILED AS REQUIRED.
2. IMPLEMENT THE STABILIZATION, EROSION CONTROL AND ALL OTHER REQUIREMENTS OF THE S.W.P.P.P / EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN.
3. PROVIDE QUALIFIED INSPECTORS, AND DOCUMENTATION OF QUALIFICATIONS, FOR THE CONTROLS IMPLEMENTED AT THE JOB SITE.
4. CONDUCT ALL NECESSARY INSPECTIONS AT THE REQUIRED INTERVALS AND PREPARE AND RETAIN WRITTEN DOCUMENTATION OF THOSE INSPECTIONS AND ALL OTHER WRITTEN DOCUMENTATION REQUIRED BY THE GENERAL PERMIT.
5. KEEP A COPY OF THE S.W.P.P.P. / EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, ALL N.O.I.'S, PERMIT CERTIFICATES; PERMIT LANGUAGE; SPILL PREVENTION, COUNTERMEASURES, AND CLEANUP ("S.P.C.C") PLAN; INSPECTION RECORDS; AND OTHER REQUIRED RECORDS ON THE JOB SITE AND POST IN A PROMINENT PLACE NEAR THE JOB SITE ENTRANCE THOSE DOCUMENTS REQUIRED TO BE POSTED UNDER THE TERMS OF THE GENERAL PERMIT.
6. CONTRACTOR SHALL PROVIDE MONTHLY TRAINING SESSIONS FOR ALL ENTITIES AND SUBCONTRACTORS INVOLVED WITH INSTALLING, APPLYING, PERFORMING, MAINTAINING AND INSPECTION OF THE S.W.P.P.P. / EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN.
7. UPDATE AND MAKE CHANGES TO THE S.W.P.P.P. / EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND SUPPORTING DOCUMENTS (SUCH AS THE B.M.P.'S AND / OR S.P.C.C.) AS NEEDED AND WITH THE APPROVAL OF THE OPERATOR AND THE OPERATOR'S ENGINEER.
8. PREPARE AND SIGN A NOTICE OF TERMINATION (N.O.T.) FORM WHEN SITE WORK CONSTRUCTION IS COMPLETED AND STABILIZATION IS ACHIEVED. TRANSFER THE S.W.P.P.P. / EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN DOCUMENTS, ALONG WITH ALL N.O.I.'S, PERMIT CERTIFICATES, N.O.T.'S, AND INSPECTION RECORDS REQUIRED BY THE GENERAL PERMIT TO THE OPERATOR FOR ARCHIVING IN BOTH PAPER AND OPTICALLY-SCANNED FORMAT ON A CD.

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<div> UTILITIES LEE COUNTY</div>	
1500 MONROE STREET FORT MYERS, FLORIDA 33901 PHONE (239) 533-8181 FAX (239) 485-8845	
WWW.LEEGOV.COM/UTILITIES	
PROJECT DESCRIPTION	
U.S. 41 (S.R. 45) TRANSMISSION MAINS	
PHASE 1B TRAILWINDS DRIVE TO SOUTH AIRPORT ROAD	
PART OF SECTION 12 AND 13 TOWNSHIP 45 SOUTH, RANGE 24 EAST FORT MYERS, 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:\23063\DWG\DO\PHASE 1B\
PLOT DATE:	TUE. 6-12-2018 - 9:59 AM
PLOT BY:	JAN BLIDZUKIEWICZ
CROSS REFERENCED DRAWINGS	
MASTER = BA1-EROSION-2.DWG	
PLAN REVISIONS	
PLAN STATUS	
BID SET 2018-06-12	
EROSION CONTROL DETAILS	
PROJECT / FILE NO.	SHEET NUMBER
23063	C10.0



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FLORIDA CERTIFICATES OF AUTHORIZATION
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PROJECT DESCRIPTION

U.S. 41 (S.R. 45)
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TOWNSHIP 45 SOUTH,
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LOCATION J:\23063\DWG\DO\PHASE 1B\

PLOT DATE TUE. 6-12-2018 - 10:01 AM

PLOT BY JAN BILDZUKEWICZ

THIS DRAWING CONTAINS STANDARD DETAILS AND NOTES ENGINEERED, DESIGNED AND PROVIDED BY LEE COUNTY UTILITIES. THESE DETAILS WERE NOT DESIGNED BY BARRACO AND ASSOCIATES, INC. AND ARE INCLUDED IN THIS PLAN SET AS REQUIRED BY LEE COUNTY UTILITIES. THE ENGINEER HAS REVIEWED THESE DETAILS AND FOUND THEM TO BE SUITABLE FOR THIS PROJECT.

PLAN REVISIONS

PLAN STATUS

BID SET
2018-06-12

LEE COUNTY
UTILITY
DETAILS

PROJECT / FILE NO. **23063**

SHEET NUMBER **C12.2**