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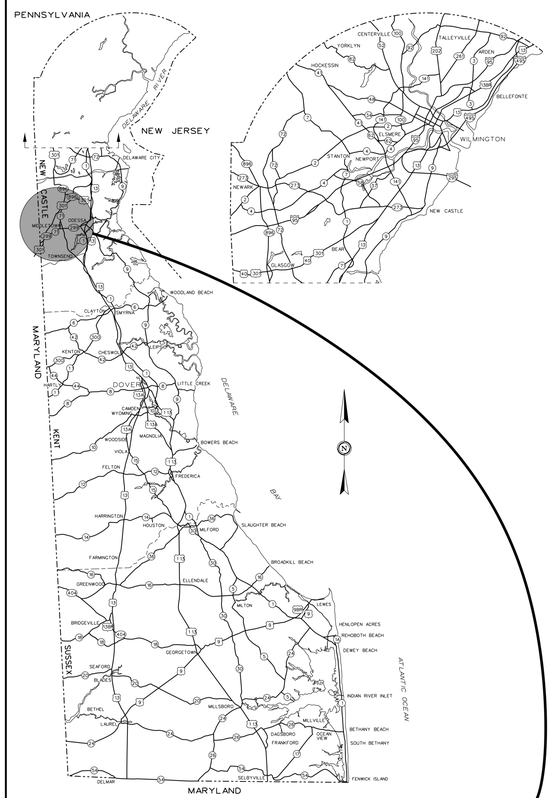


GENERAL LOCATION OF CONTRACT

# THE STATE OF DELAWARE
# DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY UNITS

CONSTRUCTION PLANS FOR:

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

**CONTRACT NUMBER:** T202611302
**FEDERAL AID PROJECT NUMBER:** N/A

**COUNTY:** NEW CASTLE **M.R. #:** 84

END CONTRACT STATION 541+65


BEGIN CONTRACT STATION 126+10

**LOCATION MAP**
NOT TO SCALE

## DESIGN DESIGNATION

| | | | |
|---|---|---|---|
| MRD #: 84 | ROAD NAME: US 301 | | |
| FUNCTIONAL CLASS: FREEWAY | | D.H.V. PROJECTED: N/A | YEAR: |
| TYPE OF CONSTRUCTION: MEDIAN BARRIER | | DESIGN SPEED: 65 M.P.H. | |
| A.A.D.T. CURRENT: 15,312 | YEAR: 2021 | TRUCKS: 9 % | |
| A.A.D.T. PROJECTED: N/A | YEAR: | DIRECTION OF DISTRIBUTION: 57 % | |

## APPROVED DESIGN EXCEPTIONS

| DESIGN PARAMETER | REQUIRED | PROVIDED | DATE |
|---|---|---|---|
| | | | |

## ADDENDA / REVISIONS

## ASSOCIATED CONTRACTS

| CONTRACT NO. | CONTRACT NAME |
|---|---|
| T200811301 | US 301, MARYLAND STATE LINE TO LEVELS ROAD |
| T200911301 | US 301, NORFOLK SOUTHERN RR TO SR 896 |
| T200911302 | US 301 & SR 1 INTERCHANGE |
| T200911303 | US 301, LEVELS ROAD TO SUMMIT BRIDGE RD |
| T200911308 | US 301, SR 896 TO SR 1 |
| T202211301 | US 301 MEDIAN BARRIER |

## APPROVED FOR ADVERTISEMENT

DIRECTOR OF TRANSPORTATION SOLUTIONS — 03/11/2026 DATE

PREPARED BY

WRA Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

02/20/2026
DATE

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "WRA" SECTION DESIGNATION.

TODD A. OLIVER REGISTERED No. 12428 DELAWARE PROFESSIONAL ENGINEER

SEAL

LAST REVISED: 11/26/2018
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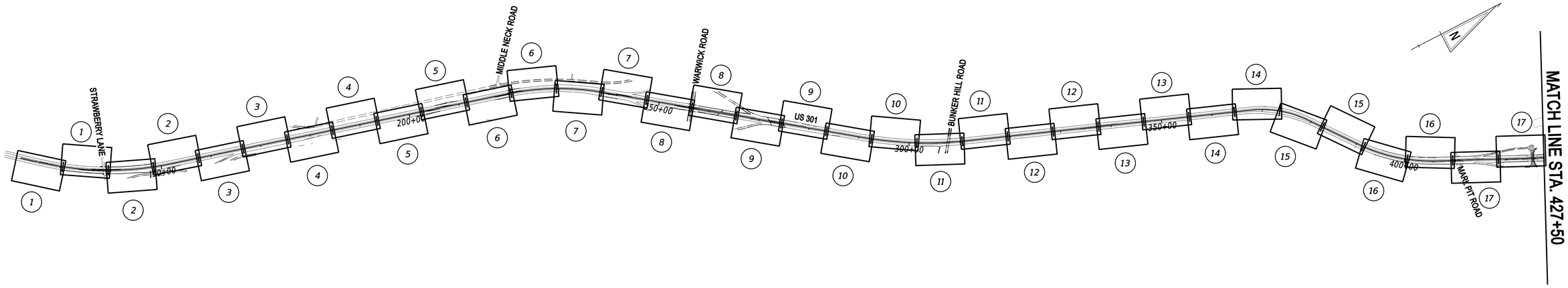
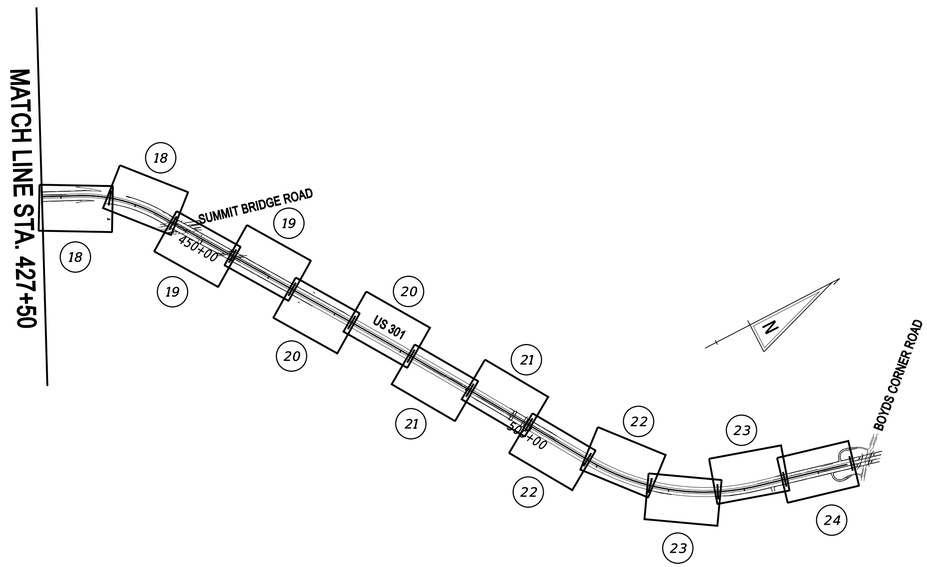
| SECTION | SHEET DESCRIPTION | SHEET NO(S) |
|---|---|---|
| WRA | TITLE | 1 |
| WRA | INDEX OF SHEETS | 2 |
| WRA | ADDENDA AND REVISIONS | 3 |
| WRA | LEGEND | 4 |
| WRA | NOTES | 5 |
| WRA | TYPICAL SECTIONS | 6 |
| WRA | HORIZONTAL AND VERTICAL CONTROL | 7-9 |
| WRA | CONSTRUCTION PLANS (CP) | 10-33 |
| WRA | GENERAL TRAFFIC CONTROL NOTES | 34 |
| WRA | WARNING SIGN LOCATION PLAN | 35 |




ADDENDA / REVISIONS

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FEET

**US 301 MEDIAN BARRIER, SR 896 TO MD LINE**

| | |
|---|---|
| CONTRACT | T202611302 |
| COUNTY | NEW CASTLE |
| BRIDGE NO. | N/A |
| DESIGNED BY: | S. BEALL |
| CHECKED BY: | T. OLIVER |

**INDEX OF SHEETS**

| SECTION | SHEET NO. |
|---|---|
| WRA | 2 |

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## ADDENDUM PREPARED BY

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

THIS SEAL APPLIES TO THE FOLLOWING SHEETS
CHANGED UNDER ADDENDUM #X:
XX, XX-XX, XX

DATE

SEAL

## REVISION PREPARED BY

Whitman, Requardt and Associates, LLP
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THIS SEAL APPLIES TO THE FOLLOWING SHEETS
CHANGED UNDER REVISION #X:
XX, XX-XX, XX

DATE

SEAL

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| ADDENDA / REVISIONS | | NOT TO SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | BRIDGE NO. | N/A | ADDENDA AND REVISIONS | SECTION |
|---|---|---|---|---|---|---|---|---|
| | | | | T202611302 | | | | WRA |
| | | | | COUNTY | DESIGNED BY: | S. BEALL | | SHEET NO. |
| | | | | NEW CASTLE | CHECKED BY: | T. OLIVER | | 3 |

## MANMADE ROADSIDE FEATURES

| FEATURE DESCRIPTION | EXISTING | PROPOSED | ID |
|---|---|---|---|
| BARRIER - DOUBLE-FACED, PERMANENT | BARRIER, TYPE "X" | | B XXX |
| BARRIER - SINGLE-FACED, PERMANENT, TEST LEVEL 4 / TEST LEVEL 5 | | | |
| BARRIER - HIGH TENSION CABLE (HTCB) | | | |
| BARRIER - HTCB END TERMINAL | | | |
| BOLLARD - STEEL POLE | | | |
| BOLLARD - WOOD POST | | | |
| CURB, TYPE 1 AND TYPE 3 | CURB, TYPE "X" | | C XXX |
| CURB, TYPE 2 | | | |
| CURB & GUTTER, TYPE 1 | C&G, TYPE "X" | | |
| CURB & GUTTER, TYPE 2 | | | |
| CURB & GUTTER, TYPE 3 | | | |
| CURB OPENING - SUMP / ON GRADE | | | C O |
| CURB/SW OPENING - ADJACENT CURB | | | CO SW |
| CURB/SW OPENING - NON-ADJACENT CURB | | | |
| FENCE - CHAINLINK OR STRANDED | | | F XXX |
| FENCE - STOCKADE OR SPLIT RAIL | | | |
| FLAG POLE | F.P. | | |
| GUARDRAIL - STEEL BEAM, TYPE 1 | | | GR XXX |
| GUARDRAIL - STEEL BEAM, TYPE 2 | | | |
| GUARDRAIL - STEEL BEAM, TYPE 3 | | | |
| GUARDRAIL - WIRE ROPE | | | |
| GUARDRAIL - END ANCHORAGE | | | |
| GUARDRAIL - END TREATMENT, TYPE 1 | | | |
| GUARDRAIL - END TREATMENT, TYPE 2 | | | |
| GUARDRAIL - END TREATMENT, TYPE 3 | | | |
| IMPACT ATTENUATOR | | | |
| LAMP AND POST - RESIDENTIAL | LAMP | | |
| MAILBOX | MB | MB | |
| PARKING METER AND POST | P.M. | | |
| PAVEMENT - FLEXIBLE | | | |
| PAVEMENT - RIGID | | | |
| PILE - BRIDGE | | | |
| PILLAR OR MISCELLANEOUS POST | | | |
| TRAFFIC SIGN AND POST | | | |
| WALL - BRICK OR BLOCK | | | |
| WALL - STONE | | | |

## DRAINAGE FEATURES

| FEATURE DESCRIPTION | EXISTING | PROPOSED | ID |
|---|---|---|---|
| BIOFILTRATION SWALE | | BFS | |
| DITCH OR STREAM (V-SHAPE / TRAPEZOIDAL) | | | |
| DIRECTIONAL STREAM FLOW ARROW | | | |
| DRAINAGE INLET | C.B. / D.I. | | DI XXX |
| DRAINAGE JUNCTION BOX | J.B. | | JB XXX |
| DRAINAGE MANHOLE | Ⓓ | | MH XXX |
| DRAINAGE PIPE AND FLOW ARROW | SIZE/TYPE LABEL | | P XXX |
| FLARED END SECTION | | | FES XXX |
| RIPRAP - AREA FEATURE | | | RR XXX |
| RIPRAP - LINEAR FEATURE | | | |
| SAFETY END STRUCTURE | | | SES XXX |
| UNDERDRAIN | | | UD XXX |
| UNDERDRAIN OUTLET | | | UDO XXX |

## UTILITY FEATURES

| FEATURE DESCRIPTION | EXISTING | PROPOSED |
|---|---|---|
| COMMUNICATIONS DISTRIBUTION BOX | CD / TV | |
| COMMUNICATIONS MANHOLE | Ⓒ / Ⓣ | Ⓒ |
| COMMUNICATIONS TEST POINT | CT / T | |
| COMMUNICATIONS - UNDERGROUND | COMM(A) | COMM |
| ELECTRIC - UNDERGROUND | E(A) | E |
| ELECTRIC MANHOLE | Ⓔ | Ⓔ |
| ELECTRIC METER | EM | |
| ELECTRIC TRANSFORMER | E | |
| GAS - UNDERGROUND | G(A) | G |
| GAS MANHOLE | Ⓖ | Ⓖ |
| GAS METER | G.M. | |
| GAS VALVE | G.V. | |
| GAS PUMP - SERVICE STATION | G.P. | |
| IRRIGATION - UNDERGROUND | IR(A) | IR |
| ITMS - UNDERGROUND | ITMS(A) | ITMS |
| LIGHTING - UNDERGROUND | LI(A) | LI |
| LUMINAIRE - POLE MOUNTED | | |
| MANHOLE - UNDETERMINED OWNER | ? | |
| RAILROAD TRACKS | | |
| SANITARY - UNDERGROUND | S(A) | S |
| SANITARY SEWER MANHOLE | Ⓢ | Ⓢ |
| SANITARY SEWER VALVE | S.V. | |
| SANITARY SEWER CLEANOUT OR VENT | S.C.O. | |
| SEPTIC DRAIN FIELD | S.D.F. | |
| SIGNALIZATION - UNDERGROUND | SIG(A) | SIG |
| SOIL BORING LOCATION | | |
| TELEPHONE BOOTH | B | |
| TRAFFIC - CONDUIT JUNCTION WELL | J.W. | |
| TRAFFIC - LIGHT POLE AND BASE | | |
| TRAFFIC - PEDESTRIAN POLE & BASE | | |
| TRAFFIC - SIGNAL CABINET & BASE | | |
| TRAFFIC - SIGNAL POLE AND BASE | | |
| UTILITY BOX | U | |
| UTILITY MARKER | UM | |
| UTILITY POLE GUY WIRE ANCHOR | | |
| UTILITY POLE | | |
| UTILITY TEST HOLE LOCATION | | |
| WATER - UNDERGROUND | W(A) | W |
| WATER - FIRE HYDRANT | F.H. | F.H. |
| WATER METER | W.M. | |
| WATER VALVE | WV | W.V. |
| WELL HEAD | WELL | |

## PAVEMENT SECTION(S)

| | |
|---|---|
| PERVIOUS ASPHALT MAINTENANCE STRIP- SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS | |
| HTCB END TERMINAL ANCHOR | |

## NATURAL ROADSIDE FEATURES

| FEATURE DESCRIPTION | EXISTING | PROPOSED |
|---|---|---|
| HEDGEROW OR THICKET | | |
| MARSH BOUNDARY LINE | | |
| TREE - CONIFEROUS | | |
| TREE - DECIDUOUS | | |
| TREE STUMP | | |
| SHRUBBERY | | |
| WETLAND BOUNDARY - DELINEATED | WL | |
| WOODS LINE BOUNDARY | | |

## RIGHT-OF-WAY FEATURES

| FEATURE DESCRIPTION | EXISTING | PROPOSED |
|---|---|---|
| DENIAL OF ACCESS | DA | DA |
| EASEMENT - OTHERS | EASEMENT TYPE | |
| PERMANENT EASEMENT | PE | PE |
| PROPERTY LINE | | |
| PROPERTY MARKER - CONCRETE | C.M. | |
| PROPERTY MARKER - IRON PIPE | I.P. | |
| RIGHT-OF-WAY BASELINE | 100+00 | 100+00 |
| RIGHT-OF-WAY LINE | R/W | R/W |
| RIGHT-OF-WAY BY PE | R/W-PE | |
| RIGHT-OF-WAY & DENIAL OF ACCESS | R/W-DA | R/W-DA |
| RIGHT-TO-ENTER | | RTE |
| TEMPORARY CONSTRUCTION EASEMENT | | TCE |

## SURVEY CONTROL & MONUMENTATION

| FEATURE DESCRIPTION | EXISTING |
|---|---|
| POINT OF CURVATURE OR TANGENCY | |
| POINT OF INTERSECTING TANGENTS | |
| SURVEY BENCHMARK LOCATION | B.M. |
| SURVEY NGS POINT LOCATION | |
| SURVEY TIE POINT LOCATION | T.P. |
| SURVEY TRAVERSE POINT | |

## MISCELLANEOUS FEATURES

| FEATURE DESCRIPTION | PROPOSED |
|---|---|
| BRICK PATTERNED SURFACE | |
| BUTT JOINT | |
| CLEAR ZONE | CZ |
| CONSTRUCTION BASELINE | 100+00 |
| LATERAL OFFSET | LO |
| LIMIT OF CONSTRUCTION | LOC |
| PAVEMENT PATCH | |
| PAVEMENT REMOVAL - TOPSOIL, SEED AND MULCH | |
| P.C.C. SIDEWALK - 4" | |
| P.C.C. SIDEWALK - 6" (USE 8" DEPTH FOR CHANNELIZATION ISLANDS.) | |

## EROSION & SEDIMENT CONTROL

| FEATURE DESCRIPTION | PROPOSED |
|---|---|
| COMPOST FILTER LOG | CFL |
| COMPOST FILTER LOG / LENGTH | CFL |
| DEWATERING BAG | DWBAG |
| DEWATERING BASIN | DWB |
| EARTH DIKE | ED |
| INLET SEDIMENT CONTROL | |
| PERIMETER DIKE/SWALE | |
| PORTABLE SEDIMENT TANK | PST |
| SANDBAG DIKE | SBD |
| SANDBAG DIVERSION | SB |
| STONE CHECK DAM | |
| STABILIZED CONSTRUCTION ENTRANCE | SCE |
| SILT FENCE / LENGTH | SF |
| SILT FENCE | SF |
| REINFORCED SILT FENCE / LENGTH | RSF |
| REINFORCED SILT FENCE | RSF |
| SUPER SILT FENCE / LENGTH | SSF |
| SUPER SILT FENCE | SSF |
| SUMP PIT | SP |
| SEDIMENT TRAP / NUMBER | ST |
| SEDIMENT TRAP | ST |
| SEDIMENT TRAP WITH INLET AS OUTLET | ST |
| SEDIMENT TRAP PIPE OUTLET | ST |
| STILLING WELL | SW |
| TEMPORARY SWALE | |
| TEMPORARY SLOPE DRAIN | TSD |
| TURBIDITY CURTAIN / LENGTH | T XXX |
| TURBIDITY CURTAIN | T |

## IDENTIFIERS

| FEATURE DESCRIPTION | ID |
|---|---|
| ABANDON BY CONTRACTOR | AB C |
| ABANDON BY OTHERS | AB O |
| ADJUST BY CONTRACTOR | A C |
| ADJUST BY OTHERS | A O |
| BEST MANAGEMENT PRACTICE | BMP XXX |
| BUS STOP PAD / TYPE | BSP X |
| BUS STOP WITH SHELTER PAD / TYPE | BSSP X |
| CONCRETE SAFETY BARRIER | B XXX |
| CONVERT TO JUNCTION BOX | CJB XXX |
| CONVERT TO DRAINAGE MANHOLE | CMH XXX |
| DO NOT DISTURB | DND |
| ENERGY DISSIPATOR | ED XXX |
| FILL WITH FLOWABLE FILL | FF C |
| LANDSCAPE PLANTINGS | LS XXX |
| PEDESTRIAN CONNECTION / TYPE | PC XX |
| PEDESTRIAN CONNECTION / TYPE WITHOUT DETECTABLE WARNING SYSTEM | PC-N XXX |
| RELOCATE BY CONTRACTOR | RL C |
| RELOCATE BY OTHERS | RL O |

## IDENTIFIERS

| FEATURE DESCRIPTION | ID |
|---|---|
| RELOCATE BY PROPERTY OWNER | RL PO |
| REMOVE BY CONTRACTOR | RM C |
| REMOVE BY OTHERS | RM O |
| REMOVE BY TRAFFIC CONTRACTOR | RM TC |
| RIGHT-OF-WAY MONUMENT | M XXX |

ADDENDA / REVISIONS

NOT TO SCALE

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| CONTRACT | BRIDGE NO. | N/A | SECTION |
|---|---|---|---|
| T202611302 | DESIGNED BY: | S. BEALL | WRA |
| COUNTY | CHECKED BY: | T. OLIVER | SHEET NO. |
| NEW CASTLE | | | 4 |

LEGEND

LAST REVISED: 07/22/2021
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# GENERAL NOTES

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED JANUARY 2026 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2026.

2. ELECTRONIC DESIGN DATA FILES THAT WILL BE MADE AVAILABLE TO THE BIDDERS INCLUDE:

| | |
|---|---|
| ( X ) | NONE |
| ( ) | ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER. |
| ( ) | DESIGN FILE, IN .DGN FILE FORMAT, THAT CONTAINS 3D TRIANGLES REPRESENTING THE EXISTING SURFACE. |
| ( ) | DESIGN FILE, IN .DGN FILE FORMAT, THAT CONTAINS 3D FEATURE LINES FOR THE PROPOSED DESIGN. 3D FEATURE LINES ARE FOR THE PROPOSED TOP SURFACE ELEVATION ONLY. |

NOTE: THE DOCUMENT ENTITLED "ELECTRONIC FILE SHARING RELEASE" MUST BE SIGNED BY ALL PARTIES PRIOR TO THE DELIVERY OF ANY ELECTRONIC PROJECT FILES.

NOTE: THERE MAY BE SOME AREAS OF THE PROJECT NOT INCLUDED IN THE ELECTRONIC DESIGN DATA FILE(S). IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE DESIGN DATA FILE AND DETERMINE THE LIMITS OF THE PROJECT INCLUDED.

3. PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE CONTRACTOR, INCLUDE:

| | |
|---|---|
| ( ) | CROSS SECTIONS |
| ( ) | RIGHT-OF-WAY PLANS |

# PROJECT NOTES

## SECTION 100

1. ANY DAMAGE TO ITEMS NOTED TO BE RELOCATED OR RESET BY THE CONTRACTOR, AT THE DISCRETION OF THE ENGINEER, SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.

2. THE CONTRACTOR SHALL CONTACT THE DELAWARE TMC AT 302-659-4600 PRIOR TO ANY UNMANNED AERIAL VEHICLE (UAV) FLIGHTS. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE FOLLOWING INFORMATION: THE REGISTRATION NUMBER OF THE UAV, THE FLIGHT TIME, LOCATION OF THE FLIGHT, THE PILOT'S NAME AND THE PILOT'S CONTACT NUMBER DURING THE FLIGHT.

## SECTION 200

3. THE ENGINEER MAY REQUIRE THE CONTRACTOR TO EXCAVATE TEST PITS ALONG THE PROPOSED ALIGNMENT FOR THE HIGH TENSION CABLE BARRIER AT POINTS OF POSSIBLE UTILITY OR DRAINAGE CONFLICTS TO DETERMINE IF A CONFLICT EXISTS. ANY CONFLICTS SHALL BE COORDINATED BY THE CONTRACTOR, WITH THE ENGINEER AND THE UTILITY COMPANY INVOLVED. THE CONTRACTOR MAY NEED TO ADJUST POST SPACING AS DIRECTED BY THE ENGINEER TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES AND STORM SEWER PIPES. THE ADJUSTED POST SPACING SHALL BE DETERMINED BASED ON THE REQUIREMENTS FOR THE MAXIMUM ALLOWABLE DEFLECTION. THE ENGINEER SHALL ULTIMATELY DETERMINE THE SOLUTION TO ANY CONFLICT. TEST HOLES SHALL BE MEASURED BASED ON THE QUANTITY OF EXCAVATION (CUBIC YARDS) AND PAID FOR AT THE BID PRICE FOR ITEM 204000 - TEST HOLE.

## SECTION 700

4. AT LOCATIONS WHERE THE PROPOSED HIGH TENSION CABLE BARRIER TERMINATES ADJACENT TO EXISTING STEEL BEAM GUARDRAIL, THE PROPOSED END TERMINAL SHALL NOT IMPACT OR CONNECT TO THE EXISTING GUARDRAIL. THE LIMITS OF THE PROPOSED END TERMINAL SHALL BEGIN AT THE FINAL LINE POST OF THE CABLE BARRIER SEGMENT, AS IDENTIFIED ON THE CONSTRUCTION PLANS. ANY DAMAGE TO THE EXISTING GUARDRAIL SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

## SECTION 900

5. THIS PROJECT IS COVERED UNDER AN NPDES GENERAL PERMIT FOR CONSTRUCTION. UNDER THE GENERAL PERMIT, COMPLIANCE WITH DELDOT'S APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS WILL CONSTITUTE COMPLIANCE WITH THE NPDES INDUSTRIAL PERMITTING REQUIREMENTS FOR THIS CONSTRUCTION PROJECT. A COPY OF THE NPDES GENERAL PERMIT AND NOI IS KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S STORMWATER SECTION. A COPY OF THE GENERAL PERMIT OR THE NOI CAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.

## MISCELLANEOUS

6. EXISTING FEATURES WITHIN THE LIMITS OF CONSTRUCTION AREAS THAT ARE TO REMAIN IN PLACE AND ARE NOTED BY "DND," SHALL BE PROTECTED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. ANY DAMAGE TO THESE EXISTING FEATURES SHALL BE REPAIRED OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.

7. THERE ARE NO ENVIRONMENTAL PERMITS REQUIRED FOR THIS PROJECT; THEREFORE, NO ENVIRONMENTAL COMPLIANCE SHEET WAS PREPARED.

8. DURING MAINTENANCE STRIP CONSTRUCTION, NO BARE SOIL SHALL BE PERMITTED TO SHOW AT THE END OF THE WORK DAY. ALL BARE SOIL SHALL BE COVERED WITH GABC OR A METHOD APPROVED BY THE ENGINEER.

9. THE EXISTING FEATURES AND CONSTRUCTION BASELINE SHOWN ON THESE PLANS ARE BASED ON THE PROPOSED DESIGN FILES FROM THE FOLLOWING US 301 CONTRACTS.

T200811301
T200911301
T200911302
T200911303
T200911308

AN AS-BUILT FIELD SURVEY WAS NOT COMPLETED AND THE BASELINE STATIONING IS PROVIDED FOR REFERENCE ONLY TO APPROXIMATE THE LOCATION OF THE FIRST AND LAST LINE POST ALONG EACH SEGMENT OF PROPOSED HIGH TENSION CABLE BARRIER. THE FINAL LAYOUT OF THE PROPOSED BARRIER IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE BASED ON MANUFACTURER DESIGN DETAILS AND SPECIFICATIONS.

10. UTILITY INFORMATION REQUESTS HAVE NOT BEEN COMPLETED. THE LOCATIONS OF SOME EXISTING UTILITIES HAVE BEEN SHOWN BASED ON PREVIOUS DELDOT CONTRACTS IN THE PROJECT LIMITS. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT TELEPHONE NUMBER 1-800-282-8555 PRIOR TO ANY EXCAVATION. ALL EXISTING UTILITIES SHALL BE PROTECTED, TEMPORARILY SUPPORTED AND/OR RELOCATED AS NECESSARY TO COMPLETE THE WORK IN ACCORDANCE WITH THE RESPECTIVE UTILITY COMPANY REQUIRMENTS.

11. AT LOCATIONS WHERE EXISTING GUARDRAIL IS BEING REPLACED, THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING FIXED OBJECT/ROADSIDE HAZARDS REMAIN PROTECTED DURING CONSTRUCTION UNTIL THE NEW GUARDRAIL IS COMPLETELY INSTALLED AND FULLY OPERATIONAL. THIS INCLUDES, BUT IS NOT LIMITED TO, EXISTING SIGN STRUCTURES AND BRIDGE PIERS / PARAPETS.

12. AT LOCATIONS WHERE EXISTING GUARDRAIL IS BEING REMOVED AND REPLACED, THE CONTRACTOR SHALL FILL IN VOIDS FROM THE REMOVAL OF THE EXISTING POSTS WITH MILLINGS FROM THE REMOVAL OF THE MAINTENANCE STRIP, BORROW, TYPE F OR SUITABLE EXCAVATED MATERIAL AS DETERMINED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO ITEM 211022 - REMOVAL OF GUARDRAIL AND FENCE.

13. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LAYOUT THE PROPOSED BARRIER PRIOR TO BEGINNING CONSTRUCTION. ANY ADJUSTMENTS TO THE BARRIER LAYOUT TO AVOID OBSTRUCTIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER. ANY EXISTING SURFACE FEATURES, SUCH AS POLES, SIGNS, OR DRAINAGE INLETS THAT WILL NEED TO BE ADJUSTED OR RELOCATED SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY ADJUSTMENTS.

# GENERAL EROSION AND SEDIMENT CONTROL (E&S) NOTES

14. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. PLAN APPROVAL IS VALID FOR A FIVE YEAR PERIOD BEGINNING ON THE DATE OF THE STORMWATER ENGINEER'S SIGNATURE. IF THE FINAL ACCEPTANCE OF THE PROJECT IS ANTICIPATED TO EXTEND BEYOND THE FIVE YEARS, NOTIFY THE ENGINEER THREE MONTHS PRIOR TO THE EXPIRATION. ANY DEVIATIONS TO THE SWPPP NEED APPROVAL FROM THE ENGINEER.

**REVIEWED FOR GENERAL CONFORMITY WITH CURRENT DELAWARE SEDIMENT AND STORMWATER REGULATIONS.**

03/05/2026

**STORMWATER ENGINEER**
**DELAWARE DEPARTMENT OF TRANSPORTATION**
**EXPIRES:** 03/05/2031

| | |
|---|---|
| TOTAL AMOUNT OF DISTURBED AREA FOR THE PROJECT | 26.69 AC |
| TOTAL ADDED IMPERVIOUS FOR THE PROJECT | 0.00AC |

15. ASSIGN A RESPONSIBLE PERSON TO BE ON SITE DURING ALL EARTH DISTURBING ACTIVITIES AND BE AN ACTIVE DNREC BLUE CARD HOLDER AS DEFINED IN SECTION 6.2 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS (DSSR). BE FAMILIAR WITH AND COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION GENERAL PERMIT.

16. FILE AS A CO-PERMITTEE IN ACCORDANCE WITH SECTION 901 OF THE STANDARD SPECIFICATIONS. POSTING AND MAINTENANCE OF THE NOI PERMIT COVERAGE IS INCIDENTAL TO THE CONTRACT.

17. REVISIONS TO THE SWPPP OR ENVIRONMENTAL COMPLIANCE PLAN SHEET(S) SHALL BE APPROVED PRIOR TO INITIATION IN THE FIELD. THE ENGINEER IS RESPONSIBLE FOR APPROVING ALL REDLINES AND REVISIONS TO THE SWPPP.

18. IMPLEMENTING AND MAINTAINING POLLUTION PREVENTION DEVICES AND PRACTICES IS REQUIRED UNDER THE DELAWARE CONSTRUCTION GENERAL PERMIT AND THE DSSR AND ARE INCIDENTAL TO THE CONTRACT.

19. A SOIL STOCKPILE, AS DESCRIBED IN DELDOT STANDARD SPECIFICATIONS AND DEFINED IN THE DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK, IS ANY LOCATION WITHIN THE LIMITS OF CONSTRUCTION WHERE A TEMPORARY DEPOSIT OF EXCAVATED SOIL IS BEING RESERVED FOR FUTURE USE. A SOIL STOCKPILE SHALL BE LOCATED A MINIMUM OF 50 FEET FROM A STORM DRAIN INLET, OPEN CHANNEL, WETLAND, OR WATERBODY. A REQUEST MAY BE MADE TO THE ENGINEER TO PERMIT LOCATING A SOIL STOCKPILE LESS THAN 50 FEET FROM A STORM DRAIN INLET OR OPEN CHANNEL. UPON APPROVAL, IF ANY PART OF A SOIL STOCKPILE IS LESS THAN 50 FEET FROM A STORM DRAIN INLET OR OPEN CHANNEL, INSTALL A SUPER SILT FENCE PERIMETER TO PROTECT THE SOIL STOCKPILE. THE SUPER SILT FENCE MUST BE CONSTRUCTED IN ACCORDANCE WITH 905.3.B.3 OF THE STANDARD SPECIFICATIONS. THE COST FOR INSTALLATION AND MAINTENANCE OF THE STOCKPILE SUPER SILT FENCE IS INCIDENTAL TO THE CONTRACT.

20. PROTECT AGAINST SEDIMENT OR DEBRIS LADEN RUNOFF FROM LEAVING THE SITE. CHECK PERIMETER CONTROLS DAILY AND ADJUST OR REPAIR TO FULLY CONTAIN AND CONTROL SEDIMENT FROM LEAVING THE SITE. REMOVE ACCUMULATED SEDIMENT BEFORE IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. ADJUST OR ALTER MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, OR AS DIRECTED BY THE ENGINEER.

21. ANY SEDIMENT LADEN DISCHARGE LEAVING THE LIMIT OF CONSTRUCTION SHALL IMMEDIATELY BE ADDRESSED THROUGH BEST AVAILABLE TECHNOLOGIES TO CONTROL ANY FURTHER SEDIMENT LADEN DISCHARGE. REMEDIATION MAY INCLUDE STANDARD E&S PRACTICES OR OTHER METHODS AS APPROVED BY THE ENGINEER.

22. ALL TEMPORARY CONCENTRATED FLOW AREAS INCLUDING CHANNEL SIDE SLOPES SHALL HAVE EROSION CONTROL BLANKET MULCH AS DIRECTED BY THE ENGINEER. INSTALL WITHIN SEVEN CALENDAR DAYS UPON CONSTRUCTION INITIATION. A TEMPORARY CONCENTRATED FLOW AREA MAY INCLUDE DITCHES, SWALES, BERMS, CONCENTRATED RUNOFF AREAS, ETC.

23. FOR ANY PERMANENT STORMWATER MANAGEMENT FACILITY, FOLLOW THAT FACILITY'S SEQUENCE OF CONSTRUCTION AS NOTED ON THE STORMWATER MANAGEMENT SHEETS.

24. NO MORE THAN 20 ACRES MAY BE DISTURBED AT ANY TIME. DISTURBANCE OF A SECOND 20 ACRE SECTION MAY NOT PROCEED UNTIL TEMPORARY OR PERMANENT STABILIZATION OF THE FIRST 20 ACRE SECTION IS ACCOMPLISHED AS APPROVED BY THE ENGINEER.

25. MAINTAIN POSITIVE DRAINAGE IN EXISTING AND PROPOSED DRAINAGE SYSTEMS BY EXECUTING CONSTRUCTION, CLEANING EXISTING DRAINAGE SYSTEMS, AND PROPERLY DISPOSING OF SEDIMENT THROUGHOUT THE DURATION OF THE PROJECT.

## GENERAL E&S SEQUENCE NOTES (FOR ALL PHASES)

26. POST NOI PERMIT COVERAGE SO THAT IT IS VISIBLE IN CLOSE PROXIMITY TO THE CONSTRUCTION SITE AS DIRECTED BY THE ENGINEER. THE NOTICE MUST BE IN ACCORDANCE WITH DELDOT GUIDANCE.

27. INSTALL ALL PERIMETER E&S ITEMS AND SENSITIVE AREA PROTECTIONS PRIOR TO ANY LAND DISTURBING ACTIVITIES. THE ONLY LAND DISTURBANCE ALLOWABLE IS WHAT IS NECESSARY TO INSTALL THE PERIMETER E&S ITEMS.

28. ESTABLISH CONSTRUCTION STAGING AREAS AND INSTALL E&S CONTROLS.

29. ONCE PERIMETER E&S CONTROLS ARE INSTALLED, THEY SHALL BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE ANY OTHER LAND DISTURBING ACTIVITIES CAN BEGIN.

30. INTERIOR EROSION AND SEDIMENT CONTROL ITEMS SHALL BE PLACED AS PER PLAN.

31. PRIOR TO COMMENCING A NEW PHASE OF CONSTRUCTION, APPROVAL IS REQUIRED FROM THE ENGINEER THAT THE AREAS WITHIN THE PREVIOUS PHASE HAVE BEEN SUFFICIENTLY STABILIZED.

32. COMPLETE PERMANENT STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS UPON REACHING FINAL GRADE.

33. DO NOT REMOVE E&S DEVICES UNLESS DIRECTED BY THE ENGINEER.

| ADDENDA / REVISIONS | | NOT TO SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | BRIDGE NO. N/A | NOTES | SECTION |
|---|---|---|---|---|---|---|---|
| | | | | T202611302 | DESIGNED BY: S. BEALL | | WRA |
| | | | | COUNTY | CHECKED BY: T. OLIVER | | SHEET NO. |
| | | | | NEW CASTLE | | | 5 |

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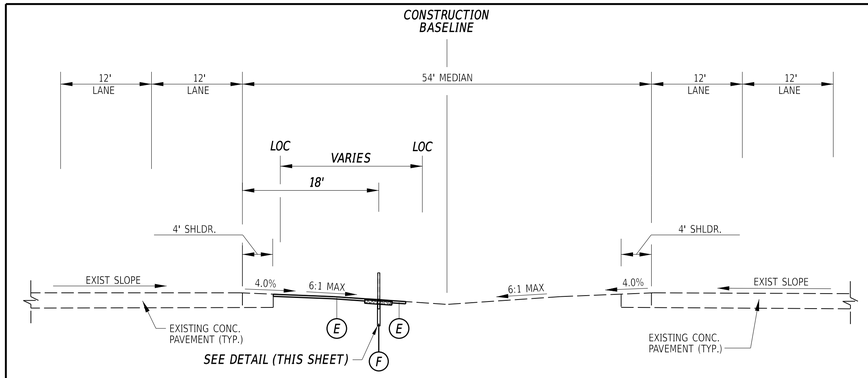
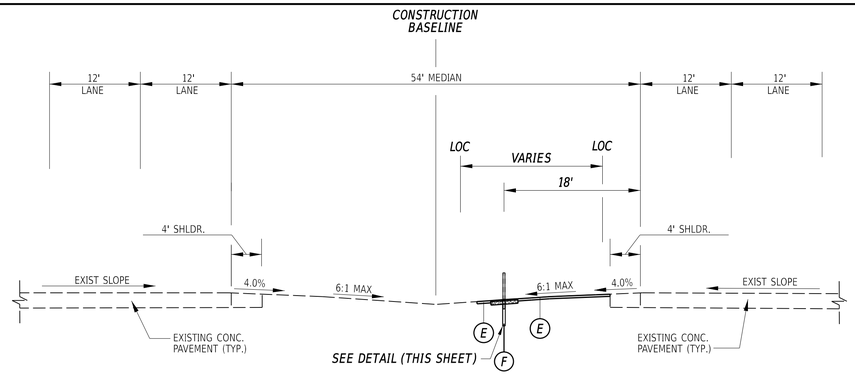



## US 301 MEDIAN - NORMAL SECTION

**STATION 208+90 TO STATION 217+50**
**STATION 338+38 TO STATION 367+70**
**STATION 379+36 TO STATION 390+45**
**STATION 426+70 TO STATION 432+27**
**STATION 456+00 TO STATION 486+40**
**STATION 487+90 TO STATION 496+50**



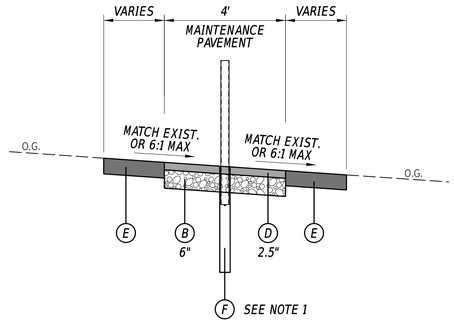

## US 301 MEDIAN - NORMAL SECTION

**STATION 151+82 TO STATION 202+50**
**STATION 275+76 TO STATION 290+63**
**STATION 311+52 TO STATION 336+56**
**STATION 412+10 TO STATION 423+80**
**STATION 449+80 TO STATION 508+76**
**STATION 531+79 TO STATION 541+51**

## LEGEND

- (B) *ITEM 302003 - DELAWARE NO. 8 STONE*
- (D) *ITEM 401575 - PERVIOUS ASPHALT PAVEMENT - 19.0 MM TYPE B*
- (E) *ITEM 908004 / 908010 - TOPSOIL, 6" DEPTH / TOPSOILING, 6" DEPTH*
  *ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND*
  *ITEM 908026 - EROSION CONTROL MULCH*
- (F) *ITEM 722001 - HIGH TENSION CABLE BARRIER*
- (G) *ITEM 720023 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 3-31*

| MATERIAL TYPE | BINDER GRADE | LIFT THICKNESS (IN) | |
|---|---|---|---|
| | | MINIMUM | MAXIMUM |
| TYPE C (4.75 MM MIX) | ALL | 0.5 | 1.0 |
| TYPE C (9.5 MM MIX) | ALL | 1.25 | 2.0 |
| TYPE C (12.5 MM MIX) | ALL | 1.5 | 2.0 |
| TYPE B (19 MM MIX) | 76-22, 70-22 | 2.25 | 4.0 |
| TYPE B (19 MM MIX) | 64-22 | 2.25 | 6.0 |
| TYPE BCBC (25 MM MIX) | 64-22 | 3.0 | 6.0 |
| GABC | - | 4.0 | 8.0 |

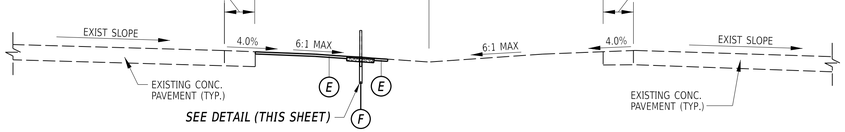



*NOTES:*

1. *POST FOOTING SHALL BE DRIVEN SOCKET OPTION. POST FOOTING SHALL BE APPROVED BY THE ENGINEER IN ACCORDANCE WITH SECTION 722.3.1.*
2. *THE LINE POST SOCKET MAY BE DRIVEN THROUGH THE ASPHALT MAINTENANCE STRIP. IF THE SOCKET IS DAMAGED, THE CONTRACTOR MAY NEED TO CONSIDER CORE DRILLING THE ASPHALT PRIOR TO DRIVING THE SOCKET.*

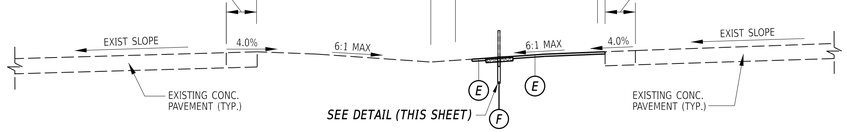
## HTCB DETAIL

NOT TO SCALE



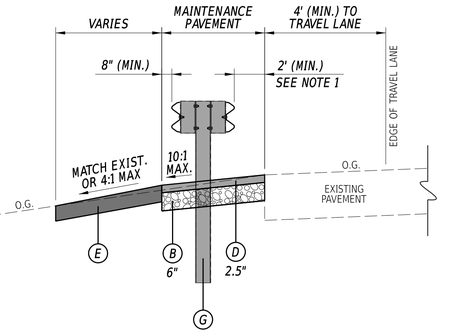

## US 301 MEDIAN - SUPERELEVATED SECTION

**STATION 222+75 TO STATION 238+62**
**STATION 367+70 TO STATION 379+36**
**STATION 390+45 TO STATION 408+00**
**STATION 432+27 TO STATION 444+10**




## US 301 MEDIAN - SUPERELEVATED SECTION

**STATION 142+00 TO STATION 151+82**
**STATION 290+63 TO STATION 301+75**
**STATION 309+86 TO STATION 311+53**
**STATION 508+76 TO STATION 531+79**

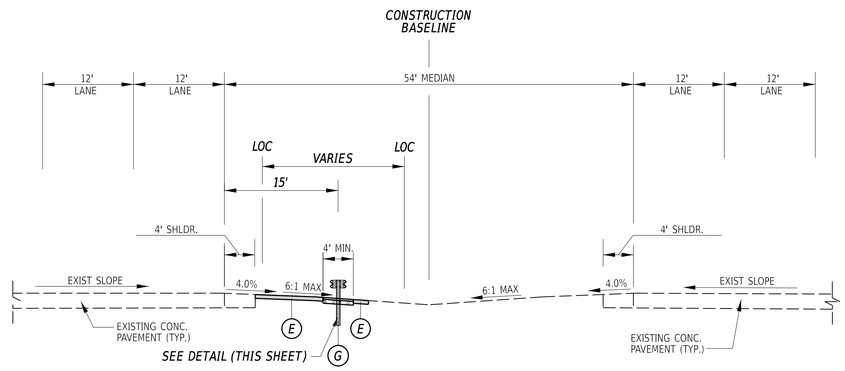



*NOTES:*

1. *REFER TO CONSTRUCTION PLANS FOR OFFSET.*

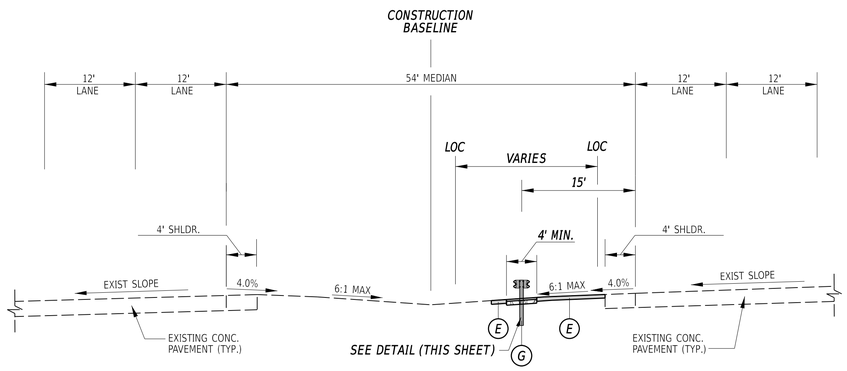
## TYPE 3-31 GUARDRAIL DETAIL

NOT TO SCALE




## US 301 MEDIAN - NORMAL SECTION

**STATION 243+79 TO STATION 253+00**




## US 301 MEDIAN - SUPERELEVATED SECTION

**STATION 126+10 TO STATION 134+18**

| ADDENDA / REVISIONS | | NOT TO SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | BRIDGE NO. N/A | TYPICAL SECTIONS | SECTION |
|---|---|---|---|---|---|---|---|
| | | | | T202611302 | | | WRA |
| | | | | COUNTY | DESIGNED BY: S. BEALL | | SHEET NO. |
| | | | | NEW CASTLE | CHECKED BY: T. OLIVER | | 6 |

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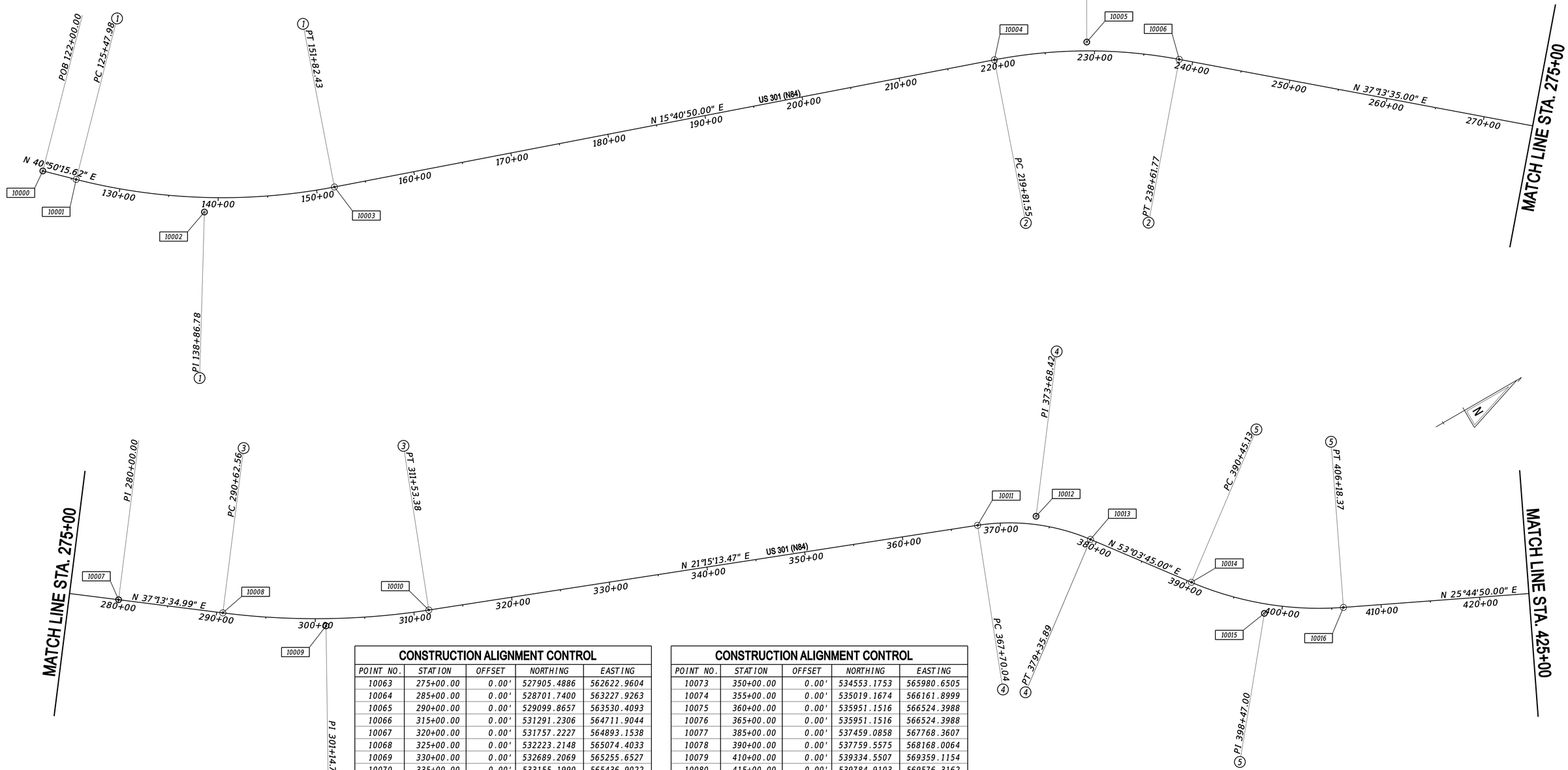
## CONSTRUCTION ALIGNMENT CONTROL

| POINT NO. | STATION | OFFSET | NORTHING | EASTING |
|---|---|---|---|---|
| 10000 | 122+00.00 | 0.00' | 514223.8704 | 556286.8128 |
| 10043 | 155+00.00 | 0.00' | 517094.7602 | 557837.5056 |
| 10044 | 160+00.00 | 0.00' | 517576.1519 | 557972.6424 |
| 10045 | 165+00.00 | 0.00' | 518057.5437 | 558107.7793 |
| 10046 | 170+00.00 | 0.00' | 518538.9354 | 558242.9162 |
| 10047 | 175+00.00 | 0.00' | 519020.3272 | 558378.0530 |
| 10048 | 180+00.00 | 0.00' | 519501.7190 | 558513.1899 |
| 10049 | 185+00.00 | 0.00' | 519983.1107 | 558648.3267 |
| 10050 | 185+00.00 | 0.00' | 519983.1107 | 558648.3267 |
| 10051 | 195+00.00 | 0.00' | 520945.8942 | 558918.6005 |
| 10052 | 200+00.00 | 0.00' | 521427.2860 | 559053.7373 |

## CONSTRUCTION ALIGNMENT CONTROL

| POINT NO. | STATION | OFFSET | NORTHING | EASTING |
|---|---|---|---|---|
| 10053 | 205+00.00 | 0.00' | 521908.6778 | 559188.8742 |
| 10054 | 210+00.00 | 0.00' | 522390.0695 | 559324.0111 |
| 10055 | 215+00.00 | 0.00' | 522871.4613 | 559459.1479 |
| 10056 | 240+00.00 | 0.00' | 525118.6088 | 560505.5798 |
| 10057 | 245+00.00 | 0.00' | 525516.7345 | 560808.0627 |
| 10058 | 250+00.00 | 0.00' | 525914.8602 | 561110.5457 |
| 10059 | 255+00.00 | 0.00' | 526312.9859 | 561413.0286 |
| 10060 | 260+00.00 | 0.00' | 526711.1115 | 561715.5116 |
| 10061 | 265+00.00 | 0.00' | 527109.2372 | 562017.9945 |
| 10062 | 270+00.00 | 0.00' | 527507.3629 | 562320.4775 |




## CONSTRUCTION ALIGNMENT CONTROL

| POINT NO. | STATION | OFFSET | NORTHING | EASTING |
|---|---|---|---|---|
| 10063 | 275+00.00 | 0.00' | 527905.4886 | 562622.9604 |
| 10064 | 285+00.00 | 0.00' | 528701.7400 | 563227.9263 |
| 10065 | 290+00.00 | 0.00' | 529099.8657 | 563530.4093 |
| 10066 | 315+00.00 | 0.00' | 531291.2306 | 564711.9044 |
| 10067 | 320+00.00 | 0.00' | 531757.2227 | 564893.1538 |
| 10068 | 325+00.00 | 0.00' | 532223.2148 | 565074.4033 |
| 10069 | 330+00.00 | 0.00' | 532689.2069 | 565255.6527 |
| 10070 | 335+00.00 | 0.00' | 533155.1990 | 565436.9022 |
| 10071 | 340+00.00 | 0.00' | 533621.1911 | 565618.1516 |
| 10072 | 345+00.00 | 0.00' | 534087.1832 | 565799.4011 |

## CONSTRUCTION ALIGNMENT CONTROL

| POINT NO. | STATION | OFFSET | NORTHING | EASTING |
|---|---|---|---|---|
| 10073 | 350+00.00 | 0.00' | 534553.1753 | 565980.6505 |
| 10074 | 355+00.00 | 0.00' | 535019.1674 | 566161.8999 |
| 10075 | 360+00.00 | 0.00' | 535951.1516 | 566524.3988 |
| 10076 | 365+00.00 | 0.00' | 535951.1516 | 566524.3988 |
| 10077 | 385+00.00 | 0.00' | 537459.0858 | 567768.3607 |
| 10078 | 390+00.00 | 0.00' | 537759.5575 | 568168.0064 |
| 10079 | 410+00.00 | 0.00' | 539334.5507 | 569359.1154 |
| 10080 | 415+00.00 | 0.00' | 539784.9103 | 569576.3162 |
| 10081 | 420+00.00 | 0.00' | 540235.2700 | 569793.5170 |
| 10082 | 425+00.00 | 0.00' | 540685.6296 | 570010.7178 |

*DATUM REFERENCE:*

*HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83 / 2011 / EPOCH 2010.00).*

ADDENDA / REVISIONS

SCALE
0 500 1000 1500
FEET

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| | | | |
|---|---|---|---|
| CONTRACT | T202611302 | BRIDGE NO. | N/A |
| COUNTY | NEW CASTLE | DESIGNED BY: | S. BEALL |
| | | CHECKED BY: | T. OLIVER |

## HORIZONTAL AND VERTICAL CONTROL

| SECTION | |
|---|---|
| WRA | |
| SHEET NO. | |
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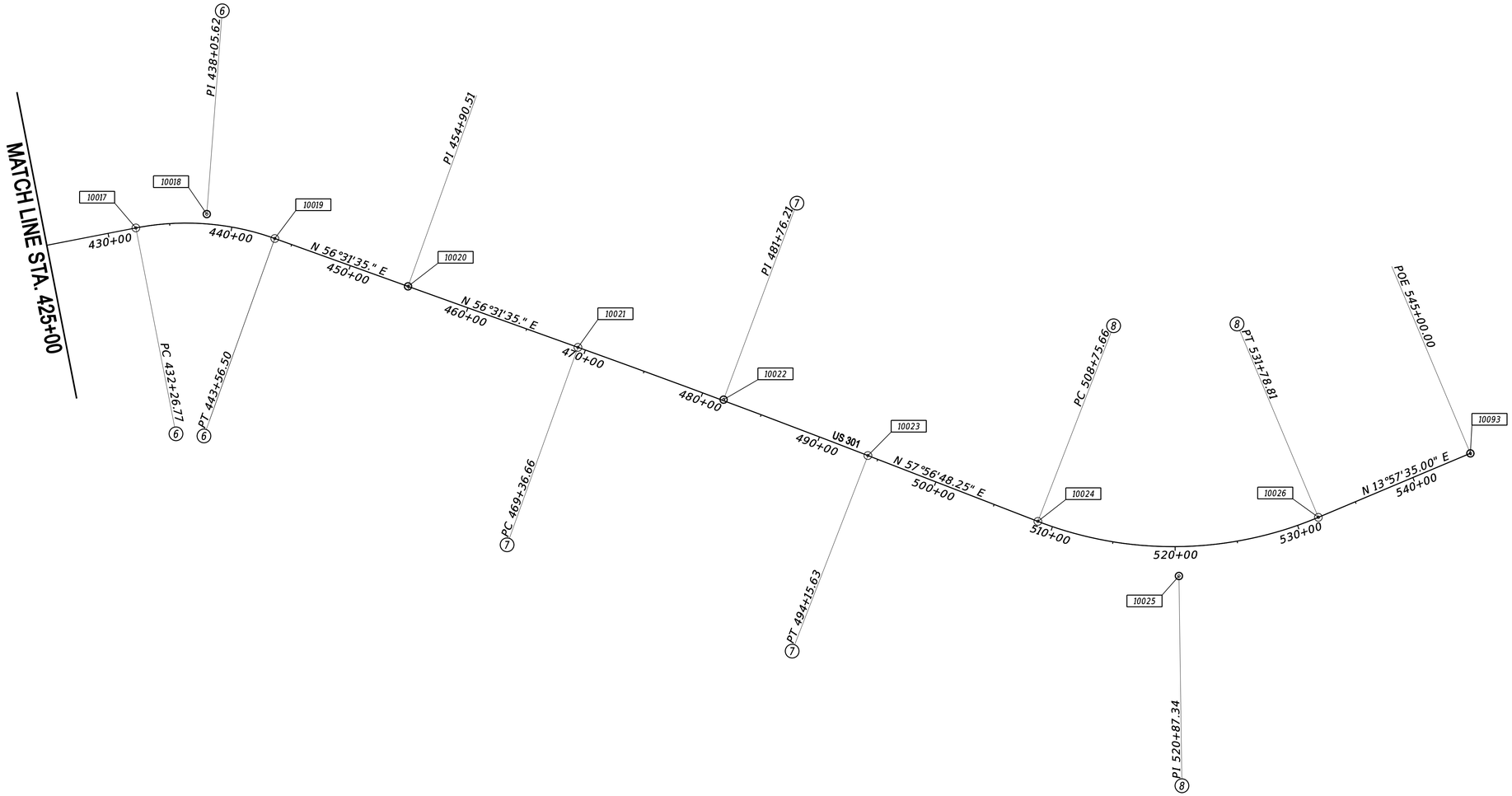
| CONSTRUCTION ALIGNMENT CONTROL | | | | |
|---|---|---|---|---|
| POINT NO. | STATION | OFFSET | NORTHING | EASTING |
| 10083 | 430+00.00 | 0.00' | 541135.9893 | 570227.9186 |
| 10084 | 445+00.00 | 0.00' | 542260.0440 | 571180.4269 |
| 10085 | 450+00.00 | 0.00' | 542535.8205 | 571597.4969 |
| 10086 | 460+00.00 | 0.00' | 543087.3733 | 572431.6368 |
| 10087 | 465+00.00 | 0.00' | 543363.1498 | 572848.7068 |
| 10088 | 495+00.00 | 0.00' | 544990.2807 | 575368.9931 |
| 10089 | 500+00.00 | 0.00' | 545255.6345 | 575792.7706 |

| CONSTRUCTION ALIGNMENT CONTROL | | | | |
|---|---|---|---|---|
| POINT NO. | STATION | OFFSET | NORTHING | EASTING |
| 10090 | 505+00.00 | 0.00' | 545520.9882 | 576216.5482 |
| 10091 | 535+00.00 | 0.00' | 547851.0007 | 577931.6957 |
| 10092 | 540+00.00 | 0.00' | 548336.2334 | 578052.3155 |
| 10093 | 545+00.00 | 0.00' | 548821.4662 | 578172.9354 |




*DATUM REFERENCE:*

*HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83 / 2011 / EPOCH 2010.00).*

| ADDENDA / REVISIONS | | SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | BRIDGE NO. N/A | HORIZONTAL AND VERTICAL CONTROL | SECTION |
|---|---|---|---|---|---|---|---|
| | | 0 500 1000 1500 | | T202611302 | DESIGNED BY: S. BEALL | | WRA |
| | | FEET | | COUNTY | CHECKED BY: T. OLIVER | | SHEET NO. |
| | | | | NEW CASTLE | | | 8 |

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## CIRCULAR CURVE NO. ①

| | STATION | NORTHING | EASTING |
|---|---|---|---|
| Element: Circular | | | |
| PC (10001) | 125+47.98 | 514487.1423 | 556514.3652 |
| PI (10002) | 138+86.78 | 515500.0331 | 557389.8319 |
| CC ( ) | | 518410.6515 | 551974.9736 |
| PT (10003) | 151+82.43 | 516789.0092 | 557751.6748 |
| Radius: | 6000.0000 | | |
| Delta: | 25°09'25.6233" Left | | |
| Degree of Curvature(Arc): | 0°57'17.7468" | | |
| Length: | 2634.4472 | | |
| Tangent: | 1338.8016 | | |
| Chord: | 2613.3362 | | |
| Middle Ordinate: | 144.0100 | | |
| External: | 147.5515 | | |
| Tangent Direction: | N 40°50'15.62" E | | |
| Radial Direction: | S 49°09'44.38" E | | |
| Chord Direction: | N 28°15'32.81" E | | |
| Radial Direction: | S 74°19'10.00" E | | |
| Tangent Direction: | N 15°40'50.00" E | | |

## CIRCULAR CURVE NO. ②

| | STATION | NORTHING | EASTING |
|---|---|---|---|
| Element: Circular | | | |
| PC (10004) | 219+81.55 | 523335.0853 | 559589.2970 |
| PI (10005) | 229+32.90 | 524251.0311 | 559846.4224 |
| CC ( ) | | 521983.7169 | 564403.2140 |
| PT (10006) | 238+61.77 | 525008.5462 | 560421.9578 |
| Radius: | 4999.9993 | | |
| Delta: | 21°32'45.0097" Right | | |
| Degree of Curvature(Arc): | 1°08'45.2967" | | |
| Length: | 1880.2286 | | |
| Tangent: | 951.3518 | | |
| Chord: | 1869.1697 | | |
| Middle Ordinate: | 88.1214 | | |
| External: | 89.7024 | | |
| Tangent Direction: | N 15°40'50.00" E | | |
| Radial Direction: | S 74°19'10.00" E | | |
| Chord Direction: | N 26°27'12.51" E | | |
| Radial Direction: | S 52°46'24.99" E | | |
| Tangent Direction: | N 37°13'35.01" E | | |

## CIRCULAR CURVE NO. ③

| | STATION | NORTHING | EASTING |
|---|---|---|---|
| Element: Circular | | | |
| PC (10008) | 290+62.56 | 529149.6820 | 563568.2581 |
| PI (10009) | 301+14.79 | 529987.5214 | 564204.8212 |
| CC ( ) | | 533686.9283 | 557596.3698 |
| PT (10010) | 311+53.38 | 530968.1828 | 564586.2537 |
| Radius: | 7500.0036 | | |
| Delta: | 15°58'21.4511" Left | | |
| Degree of Curvature(Arc): | 0°45'50.1961" | | |
| Length: | 2090.8128 | | |
| Tangent: | 1052.2298 | | |
| Chord: | 2084.0490 | | |
| Middle Ordinate: | 72.7404 | | |
| External: | 73.4528 | | |
| Tangent Direction: | N 37°13'34.99" E | | |
| Radial Direction: | S 52°46'25.01" E | | |
| Chord Direction: | N 29°14'24.27" E | | |
| Radial Direction: | S 68°44'46.46" E | | |
| Tangent Direction: | N 21°15'13.54" E | | |

## CIRCULAR CURVE NO. ④

| | STATION | NORTHING | EASTING |
|---|---|---|---|
| Element: Circular | | | |
| PC (10011) | 367+70.04 | 536202.8263 | 566622.2887 |
| PI (10012) | 373+68.42 | 536760.5018 | 566839.1987 |
| CC ( ) | | 535441.5823 | 568579.4462 |
| PT (10013) | 379+35.89 | 537120.0898 | 567317.4753 |
| Radius: | 2099.9901 | | |
| Delta: | 31°48'32.0750" Right | | |
| Degree of Curvature(Arc): | 2°43'42.1801" | | |
| Length: | 1165.8519 | | |
| Tangent: | 598.3744 | | |
| Chord: | 1150.9373 | | |
| Middle Ordinate: | 80.3876 | | |
| External: | 83.5873 | | |
| Tangent Direction: | N 21°15'13.47" E | | |
| Radial Direction: | S 68°44'46.53" E | | |
| Chord Direction: | N 37°09'29.50" E | | |
| Radial Direction: | S 36°56'14.46" E | | |
| Tangent Direction: | N 53°03'45.54" E | | |

## CIRCULAR CURVE NO. ⑤

| | STATION | NORTHING | EASTING |
|---|---|---|---|
| Element: Circular | | | |
| PC (10014) | 390+45.13 | 537786.6767 | 568204.0766 |
| PI (10015) | 398+47.00 | 538268.5546 | 568845.0036 |
| CC ( ) | | 540424.3388 | 566220.9631 |
| PT (10016) | 406+18.37 | 538990.8134 | 569193.3368 |
| Radius: | 3300.0000 | | |
| Delta: | 27°18'54.9977" Left | | |
| Degree of Curvature(Arc): | 1°44'10.4486" | | |
| Length: | 1573.2470 | | |
| Tangent: | 801.8689 | | |
| Chord: | 1558.3905 | | |
| Middle Ordinate: | 93.3109 | | |
| External: | 96.0262 | | |
| Tangent Direction: | N 53°03'45.00" E | | |
| Radial Direction: | S 36°56'15.00" E | | |
| Chord Direction: | N 39°24'17.51" E | | |
| Radial Direction: | S 64°15'09.99" E | | |
| Tangent Direction: | N 25°44'50.01" E | | |

## CIRCULAR CURVE NO. ⑥

| | STATION | NORTHING | EASTING |
|---|---|---|---|
| Element: Circular | | | |
| PC (10017) | 432+26.77 | 541340.2440 | 570326.4272 |
| PI (10018) | 438+05.62 | 541861.6267 | 570577.8811 |
| CC ( ) | | 540426.6975 | 572220.6399 |
| PT (10019) | 443+56.50 | 542180.8938 | 571060.7242 |
| Radius: | 2103.0000 | | |
| Delta: | 30°46'45.0030" Right | | |
| Degree of Curvature(Arc): | 2°43'28.1219" | | |
| Length: | 1129.7270 | | |
| Tangent: | 578.8514 | | |
| Chord: | 1116.1918 | | |
| Middle Ordinate: | 75.4059 | | |
| External: | 78.2102 | | |
| Tangent Direction: | N 25°44'50.00" E | | |
| Radial Direction: | S 64°15'10.00" E | | |
| Chord Direction: | N 41°08'12.50" E | | |
| Radial Direction: | S 33°28'25.00" E | | |
| Tangent Direction: | N 56°31'35.00" E | | |

## CIRCULAR CURVE NO. ⑦

| | STATION | NORTHING | EASTING |
|---|---|---|---|
| Element: Circular | | | |
| PC (10021) | 469+36.66 | 543603.9914 | 573212.9431 |
| PI (10022) | 481+76.21 | 544287.6685 | 574246.9010 |
| CC ( ) | | 460189.9973 | 628368.2293 |
| PT (10023) | 494+15.63 | 544945.5067 | 575297.4876 |
| Radius: | 100000.0000 | | |
| Delta: | 1°25'13.2476" Right | | |
| Degree of Curvature(Arc): | 0°03'26.2648" | | |
| Length: | 2478.9724 | | |
| Tangent: | 1239.5497 | | |
| Chord: | 2478.9089 | | |
| Middle Ordinate: | 7.6815 | | |
| External: | 7.6821 | | |
| Tangent Direction: | N 56°31'35.00" E | | |
| Radial Direction: | S 33°28'25.00" E | | |
| Chord Direction: | N 57°14'11.62" E | | |
| Radial Direction: | S 32°03'11.75" E | | |
| Tangent Direction: | N 57°56'48.25" E | | |

## CIRCULAR CURVE NO. ⑧

| | STATION | NORTHING | EASTING |
|---|---|---|---|
| Element: Circular | | | |
| PC (20024) | 508+75.66 | 545720.3518 | 576534.9377 |
| PI (20025) | 520+87.34 | 546363.4011 | 577561.9060 |
| CC ( ) | | 548263.0171 | 574942.8155 |
| PT (20026) | 531+78.81 | 547539.2979 | 577854.2121 |
| Radius: | 3000.0000 | | |
| Delta: | 43°59'13.2474" Left | | |
| Degree of Curvature(Arc): | 1°54'35.4935" | | |
| Length: | 2303.1546 | | |
| Tangent: | 1211.6832 | | |
| Chord: | 2247.0091 | | |
| Middle Ordinate: | 218.3211 | | |
| External: | 235.4561 | | |
| Tangent Direction: | N 57°56'48.25" E | | |
| Radial Direction: | S 32°03'11.75" E | | |
| Chord Direction: | N 35°57'11.62" E | | |
| Radial Direction: | S 76°02'25.00" E | | |
| Tangent Direction: | N 13°57'35.00" E | | |

| ADDENDA / REVISIONS | | NOT TO SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | BRIDGE NO. | N/A | HORIZONTAL AND VERTICAL CONTROL | SECTION |
|---|---|---|---|---|---|---|---|---|
| | | | | T202611302 | | | | WRA |
| | | | | COUNTY | DESIGNED BY: | S. BEALL | | SHEET NO. |
| | | | | NEW CASTLE | CHECKED BY: | T. OLIVER | | 9 |

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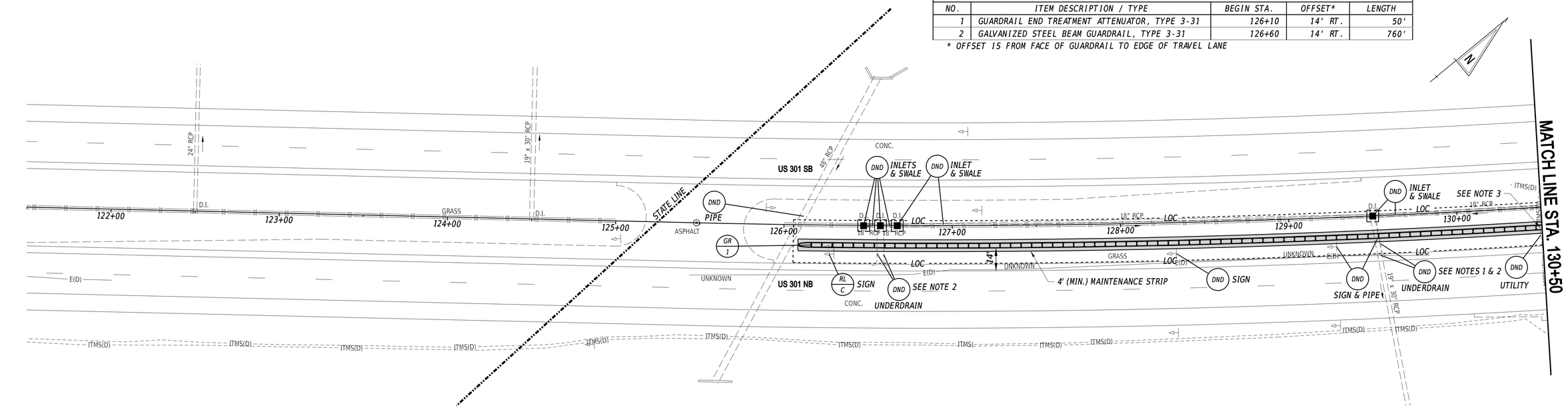
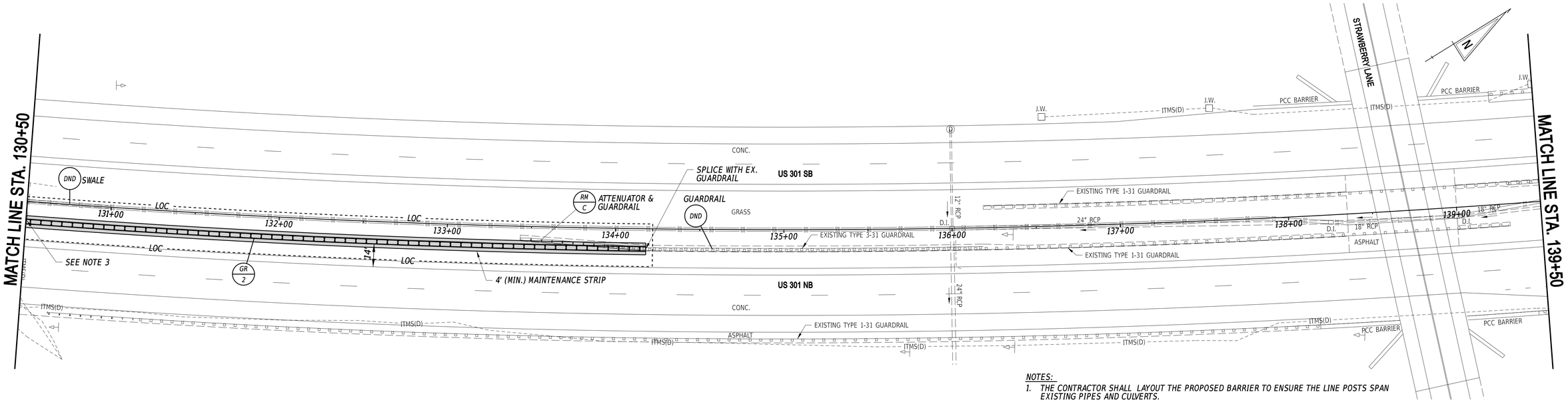
## GUARDRAIL SCHEDULE

| NO. | ITEM DESCRIPTION / TYPE | BEGIN STA. | OFFSET* | LENGTH |
|---|---|---|---|---|
| 1 | GUARDRAIL END TREATMENT ATTENUATOR, TYPE 3-31 | 126+10 | 14' RT. | 50' |
| 2 | GALVANIZED STEEL BEAM GUARDRAIL, TYPE 3-31 | 126+60 | 14' RT. | 760' |

* OFFSET IS FROM FACE OF GUARDRAIL TO EDGE OF TRAVEL LANE




**NOTES:**

1. THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.
2. INSPECT EXISTING DRAINAGE INLETS PRIOR TO GUARDRAIL INSTALLATION TO CONFIRM THE LOCATION AND DIRECTION OF ANY UNDERDRAIN OUTLET PIPES. EXERCISE CARE WHEN DRIVING GUARDRAIL POSTS TO AVOID DAMAGE TO UNDERDRAIN OUTLET PIPES.
3. THE CONTRACTOR SHALL COORDINATE WITH UTILITES TO LOCATE THE EXISTING UNDERGROUND FACILITIES. POST SPACING SHALL BE ADJUSTED ACCORDINGLY TO AVOID CONFLICT.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| | | | |
|---|---|---|---|
| CONTRACT | T202611302 | BRIDGE NO. | N/A |
| COUNTY | NEW CASTLE | DESIGNED BY: | S. BEALL |
| | | CHECKED BY: | T. OLIVER |

CONSTRUCTION PLAN

CP-01
SECTION
WRA
SHEET NO.
10

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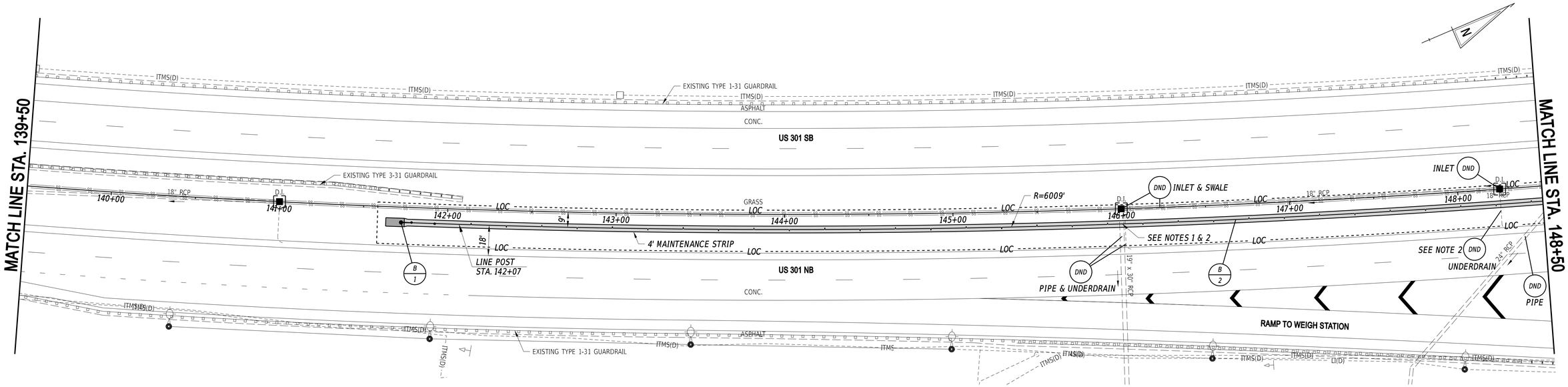
| BARRIER END SECTION SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 1 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 2 | HIGH TENSION CABLE BARRIER | 1545' |




NOTES:

1. THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.
2. INSPECT EXISTING DRAINAGE INLETS PRIOR TO GUARDRAIL INSTALLATION TO CONFIRM THE LOCATION AND DIRECTION OF ANY UNDERDRAIN OUTLET PIPES. EXERCISE CARE WHEN DRIVING GUARDRAIL POSTS TO AVOID DAMAGE TO UNDERDRAIN OUTLET PIPES.
3. THE CONTRACTOR SHALL COORDINATE WITH UTILITES TO LOCATE THE EXISTING UNDERGROUND FACILITIES. POST SPACING SHALL BE ADJUSTED ACCORDINGLY TO AVOID CONFLICT.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| CONTRACT | BRIDGE NO. | N/A |
|---|---|---|
| T202611302 | DESIGNED BY: | S. BEALL |
| COUNTY | CHECKED BY: | T. OLIVER |
| NEW CASTLE | | |

CONSTRUCTION PLAN

CP-02
SECTION
WRA
SHEET NO.
11

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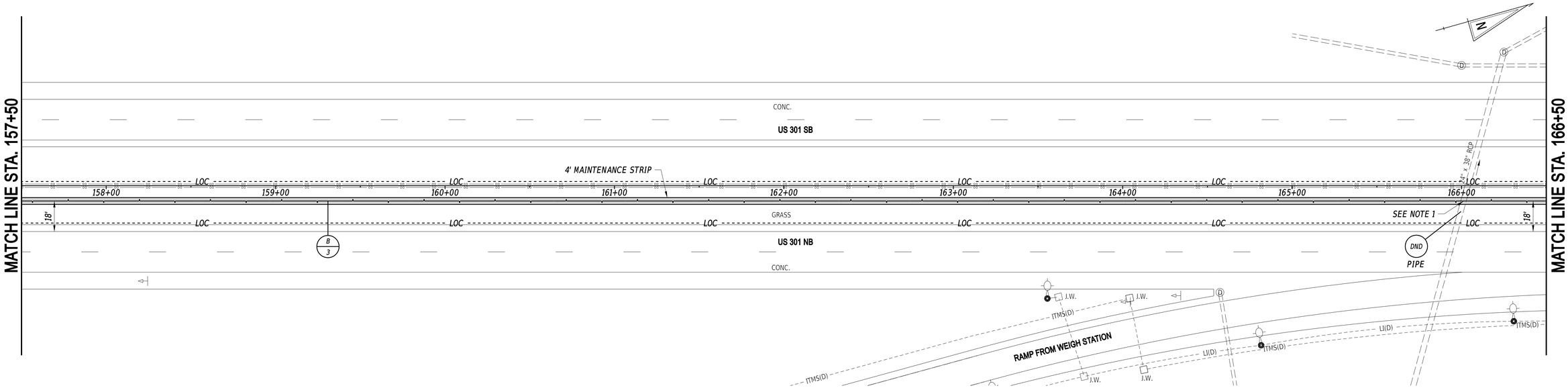
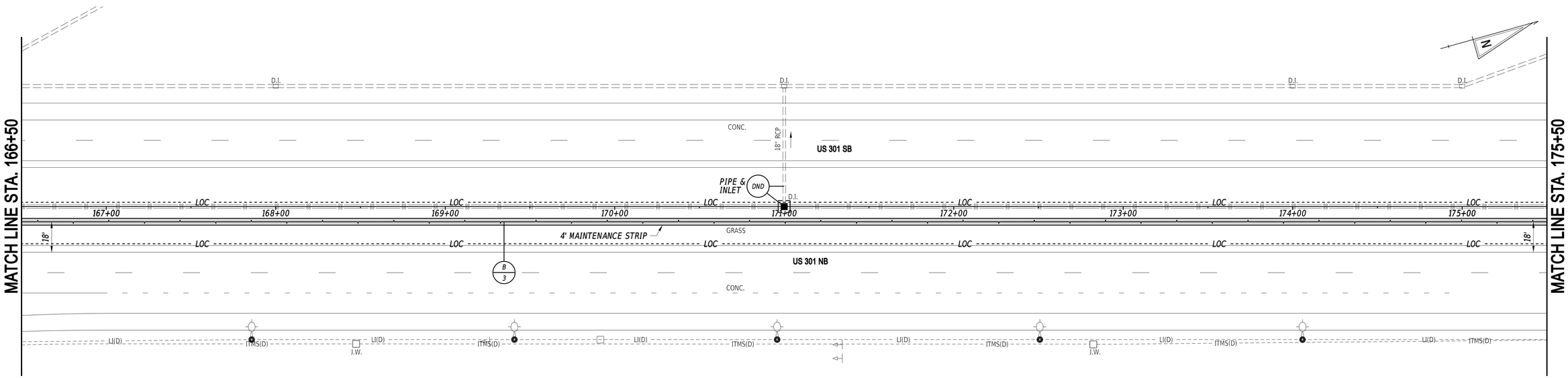
| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 3 | HIGH TENSION CABLE BARRIER | 1800' |




NOTES:

1. THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| CONTRACT | BRIDGE NO. | N/A |
|---|---|---|
| T202611302 | DESIGNED BY: | S. BEALL |
| COUNTY | CHECKED BY: | T. OLIVER |
| NEW CASTLE | | |

CONSTRUCTION PLAN

CP-03
SECTION WRA
SHEET NO. 12

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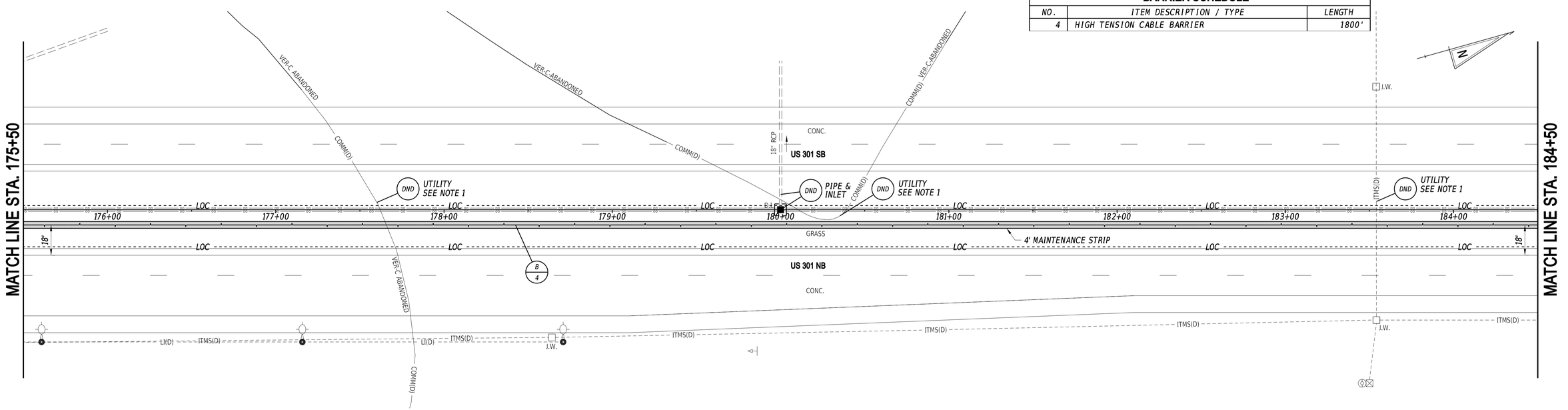
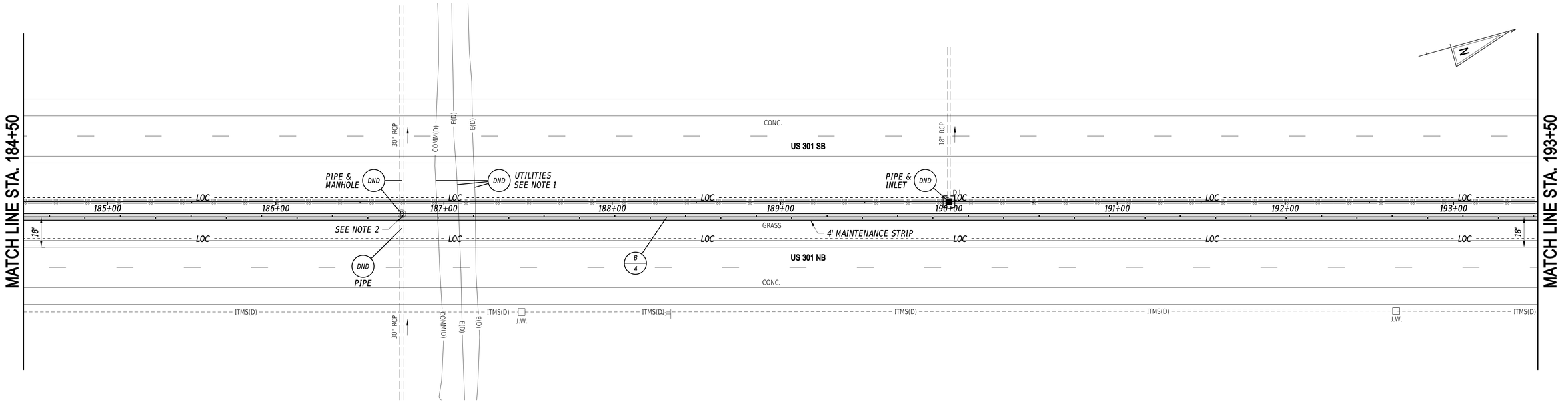
| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 4 | HIGH TENSION CABLE BARRIER | 1800' |




NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO LOCATE THE EXISTING UNDERGROUND FACILITIES. POST SPACING SHALL BE ADJUSTED ACCORDINGLY TO AVOID CONFLICT.
2. THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.

| ADDENDA / REVISIONS | | SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | BRIDGE NO. N/A | CONSTRUCTION PLAN | CP-04 |
|---|---|---|---|---|---|---|---|
| | | 0 30 60 90 FEET | | T202611302 | | | SECTION |
| | | | | COUNTY | DESIGNED BY: S. BEALL | | WRA |
| | | | | NEW CASTLE | CHECKED BY: T. OLIVER | | SHEET NO. 13 |

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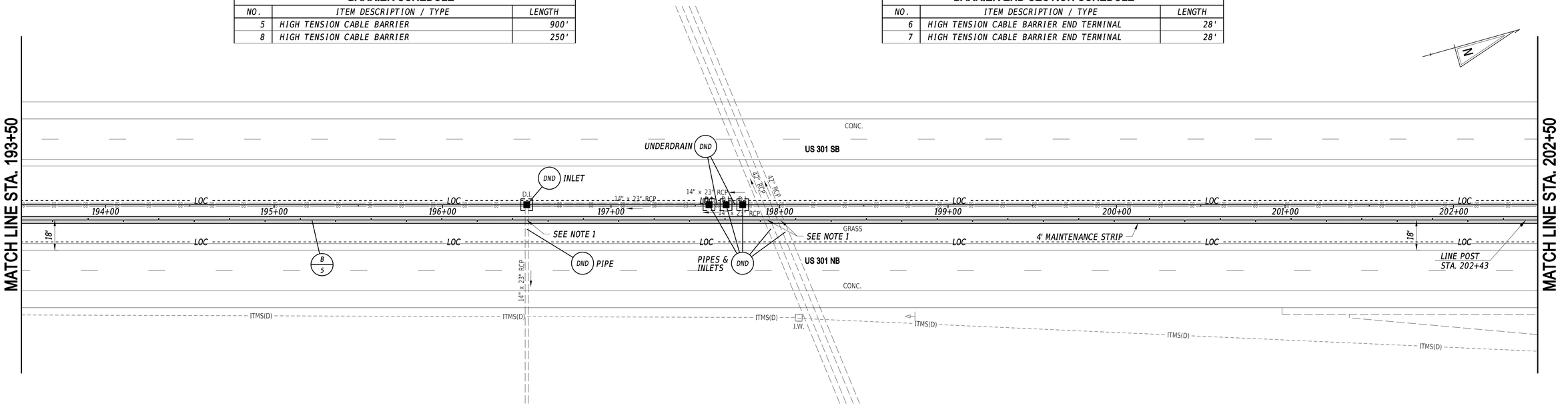
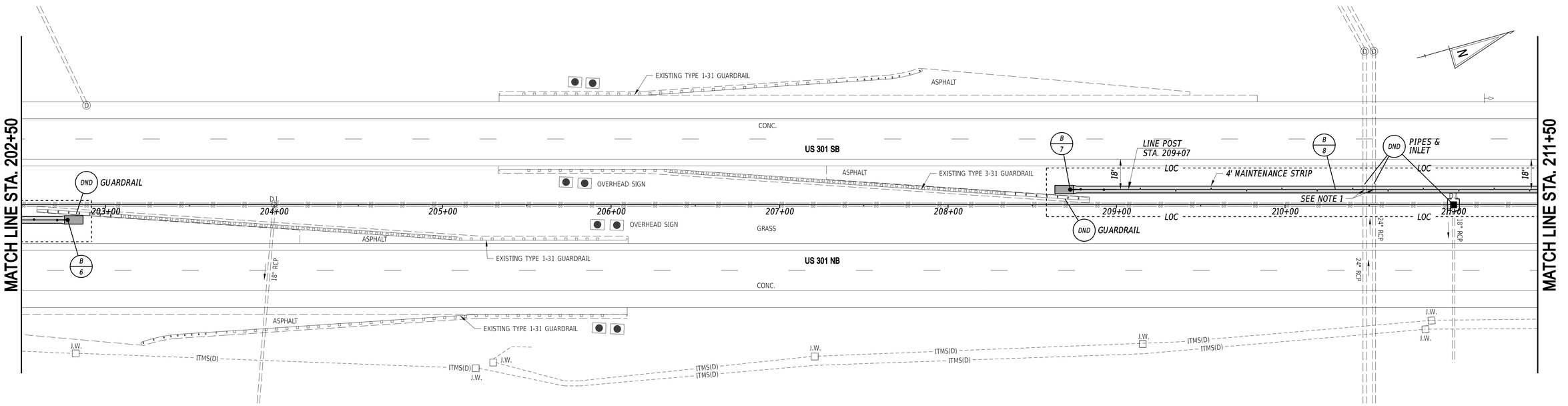
## BARRIER SCHEDULE

| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
|---|---|---|
| 5 | HIGH TENSION CABLE BARRIER | 900' |
| 8 | HIGH TENSION CABLE BARRIER | 250' |

## BARRIER END SECTION SCHEDULE

| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
|---|---|---|
| 6 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |
| 7 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |




**NOTES:**

1. THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| | | | |
|---|---|---|---|
| CONTRACT | T202611302 | BRIDGE NO. | N/A |
| COUNTY | NEW CASTLE | DESIGNED BY: | S. BEALL |
| | | CHECKED BY: | T. OLIVER |

CONSTRUCTION PLAN

CP-05

| SECTION | SHEET NO. |
|---|---|
| WRA | 14 |

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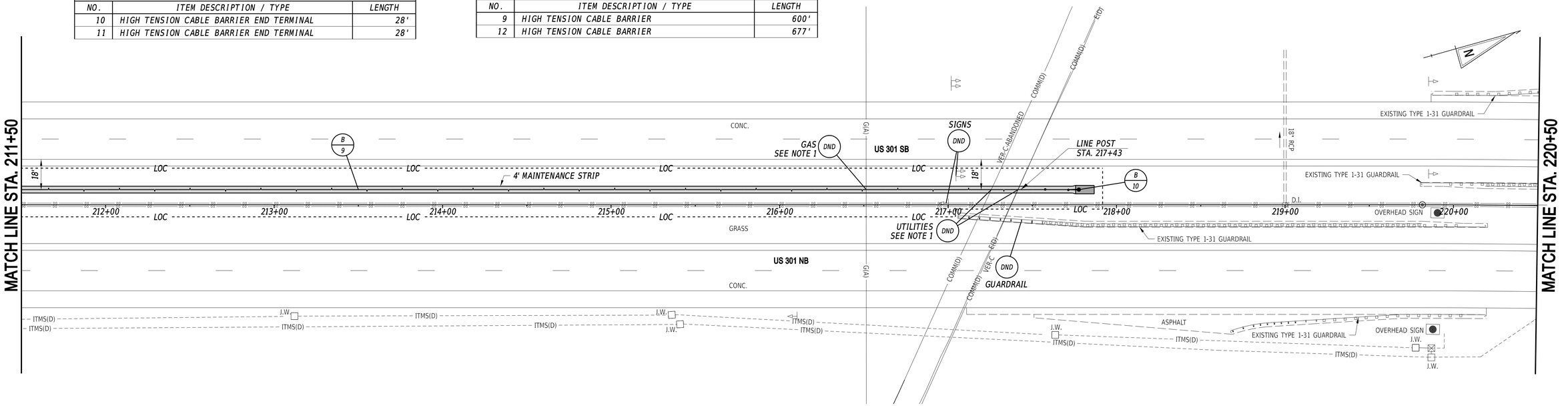
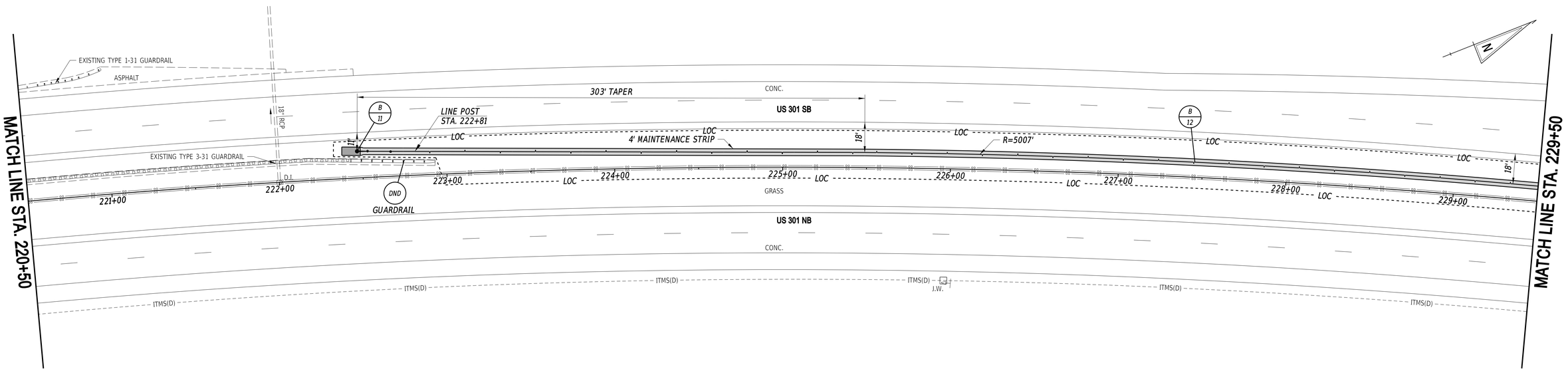
## BARRIER END SECTION SCHEDULE

| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
|---|---|---|
| 10 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |
| 11 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

## BARRIER SCHEDULE

| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
|---|---|---|
| 9 | HIGH TENSION CABLE BARRIER | 600' |
| 12 | HIGH TENSION CABLE BARRIER | 677' |


MATCH LINE STA. 211+50
MATCH LINE STA. 220+50
N
CONC.
GAS
SEE NOTE 1
DND
US 301 SB
SIGNS
LINE POST
STA. 217+43
VER.C ABANDONED
COMM(O)
E/O(
EXISTING TYPE 1-31 GUARDRAIL
18" RCP
B
9
B
10
18"
LOC
4' MAINTENANCE STRIP
D.I.
212+00
213+00
214+00
215+00
216+00
217+00
218+00
219+00
220+00
OVERHEAD SIGN
GRASS
UTILITIES
SEE NOTE 1
US 301 NB
GUARDRAIL
G(A)
ITMS(D)
J.W.
ASPHALT




NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO LOCATE THE EXISTING UNDERGROUND FACILITIES. POST SPACING SHALL BE ADJUSTED ACCORDINGLY TO AVOID CONFLICT.

| ADDENDA / REVISIONS | | SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | BRIDGE NO. N/A | CONSTRUCTION PLAN | CP-06 |
|---|---|---|---|---|---|---|---|
| | | 0 30 60 90 FEET | | T202611302 | | | SECTION |
| | | | | COUNTY | DESIGNED BY: S. BEALL | | WRA |
| | | | | NEW CASTLE | CHECKED BY: T. OLIVER | | SHEET NO. 15 |

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## BARRIER END SECTION SCHEDULE

| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
|---|---|---|
| 14 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

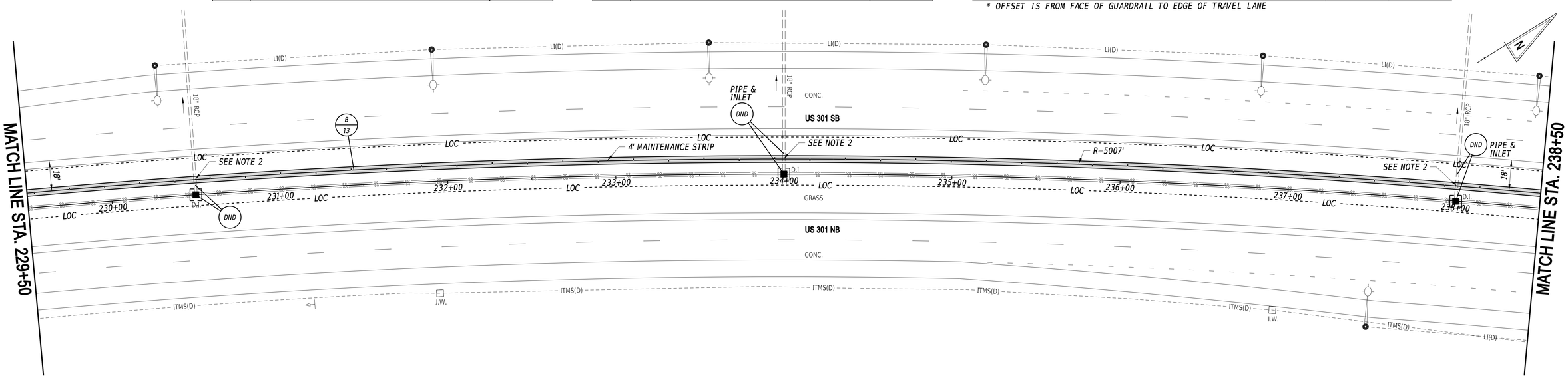
## BARRIER SCHEDULE

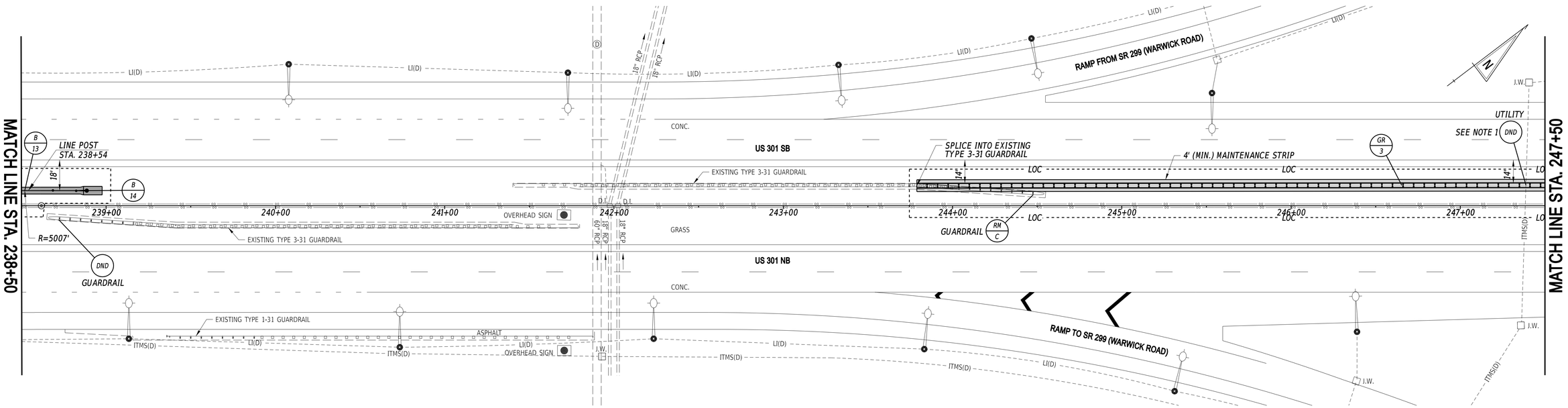
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
|---|---|---|
| 13 | HIGH TENSION CABLE BARRIER | 913' |

## GUARDRAIL SCHEDULE

| NO. | ITEM DESCRIPTION / TYPE | BEGIN STA. | OFFSET* | LENGTH |
|---|---|---|---|---|
| 3 | GALVANIZED STEEL BEAM GUARDRAIL, TYPE 3-31 | 243+75 | 14' RT. | 375' |

* OFFSET IS FROM FACE OF GUARDRAIL TO EDGE OF TRAVEL LANE




**NOTES:**

1. THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO LOCATE THE EXISTING UNDERGROUND FACILITIES. POST SPACING SHALL BE ADJUSTED ACCORDINGLY TO AVOID CONFLICT.
2. THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| | |
|---|---|
| CONTRACT | T202611302 |
| COUNTY | NEW CASTLE |
| BRIDGE NO. | N/A |
| DESIGNED BY: | S. BEALL |
| CHECKED BY: | T. OLIVER |

CONSTRUCTION PLAN

| | |
|---|---|
| | CP-07 |
| SECTION | WRA |
| SHEET NO. | 16 |

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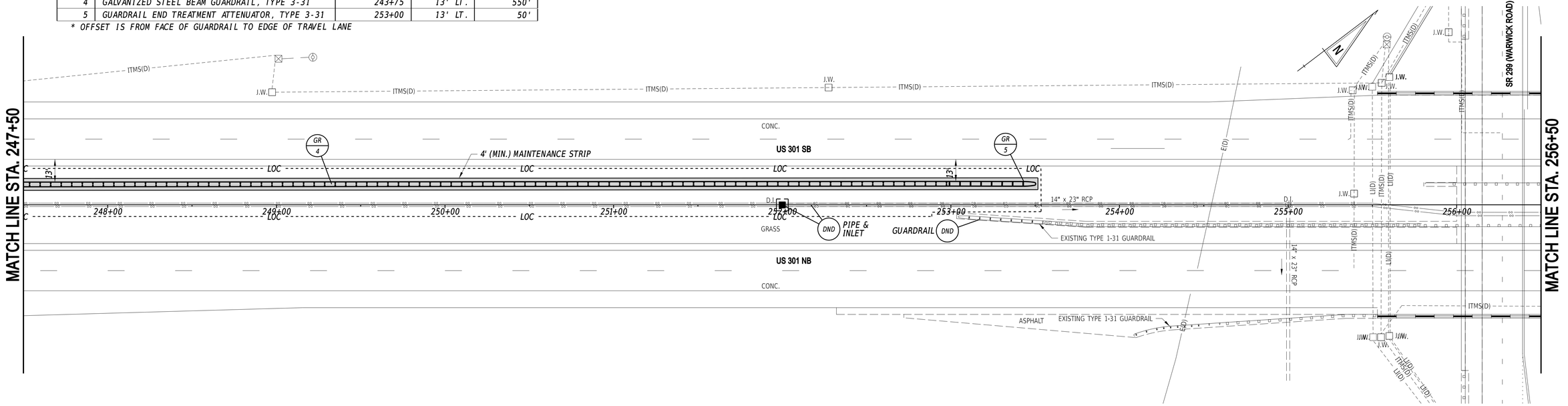
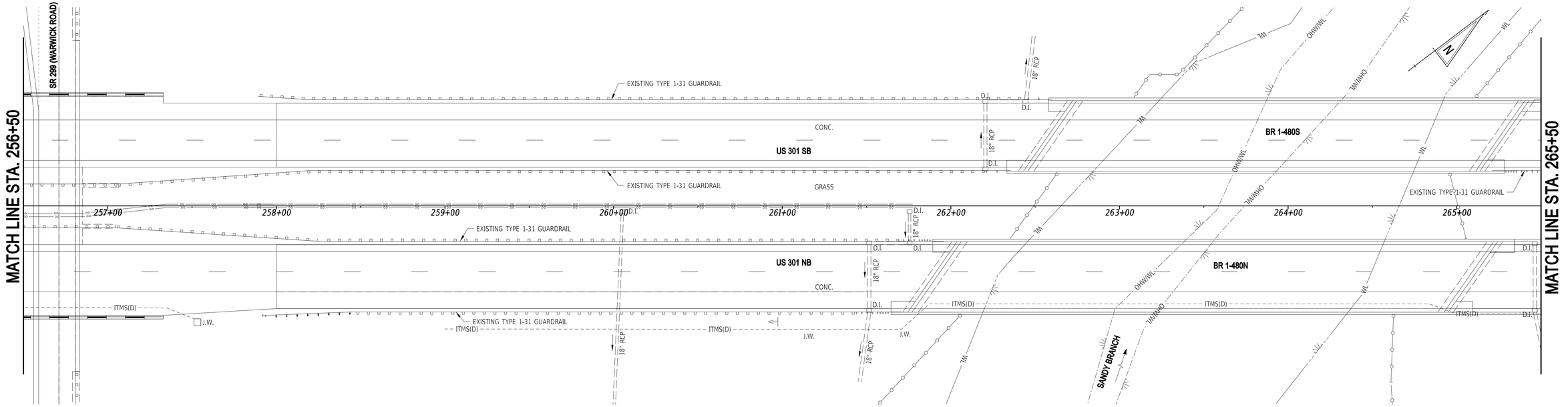
## GUARDRAIL SCHEDULE

| NO. | ITEM DESCRIPTION / TYPE | BEGIN STA. | OFFSET | LENGTH |
|---|---|---|---|---|
| 4 | GALVANIZED STEEL BEAM GUARDRAIL, TYPE 3-31 | 243+75 | 13' LT. | 550' |
| 5 | GUARDRAIL END TREATMENT ATTENUATOR, TYPE 3-31 | 253+00 | 13' LT. | 50' |

* OFFSET IS FROM FACE OF GUARDRAIL TO EDGE OF TRAVEL LANE




| ADDENDA / REVISIONS | SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | BRIDGE NO. N/A | CONSTRUCTION PLAN | CP-08 |
|---|---|---|---|---|---|---|
| | 0 30 60 90 FEET | | T202611302 | | | SECTION WRA |
| | | | COUNTY NEW CASTLE | DESIGNED BY: S. BEALL | | SHEET NO. 17 |
| | | | | CHECKED BY: T. OLIVER | | |

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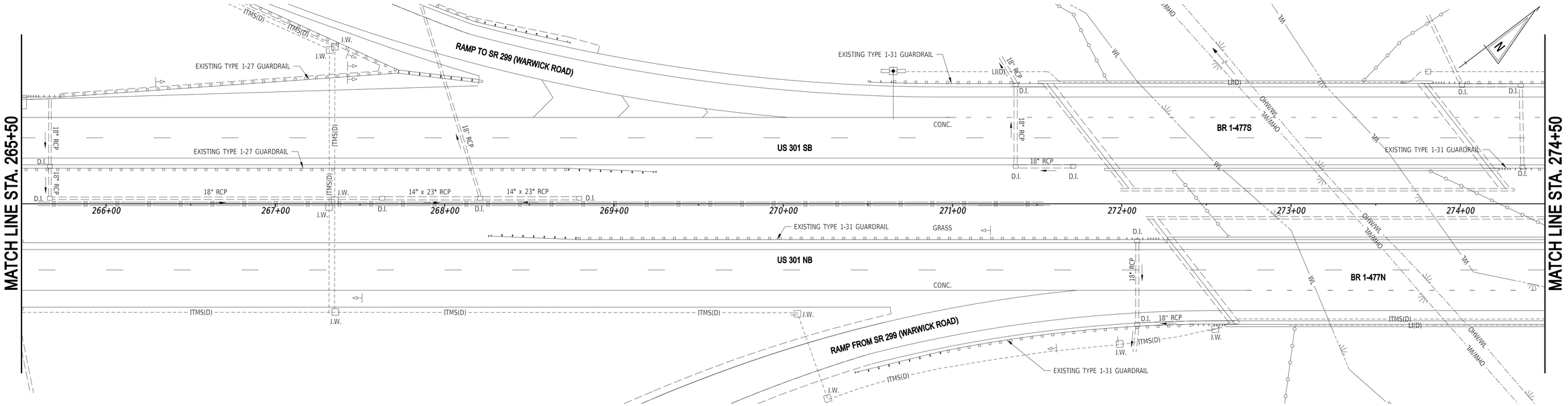
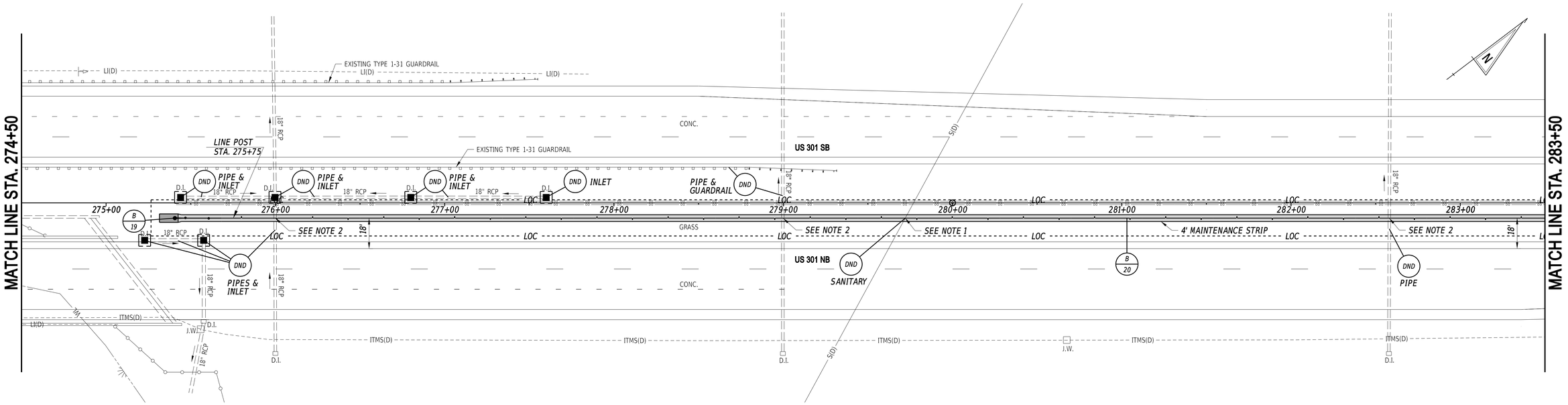
| BARRIER END SECTION SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 19 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 20 | HIGH TENSION CABLE BARRIER | 782' |




*NOTES:*

1. *THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO LOCATE THE EXISTING UNDERGROUND FACILITIES. POST SPACING SHALL BE ADJUSTED ACCORDINGLY TO AVOID CONFLICT.*
2. *THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.*

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| | | | |
|---|---|---|---|
| CONTRACT | T202611302 | BRIDGE NO. | N/A |
| COUNTY | NEW CASTLE | DESIGNED BY: | S. BEALL |
| | | CHECKED BY: | T. OLIVER |

**CONSTRUCTION PLAN**

CP-09

| SECTION | SHEET NO. |
|---|---|
| WRA | 18 |

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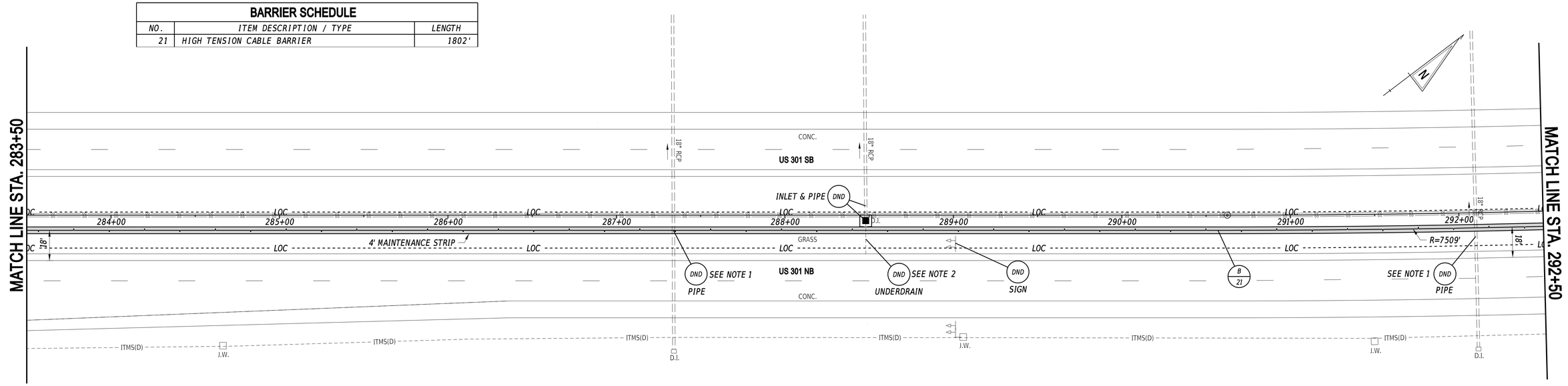
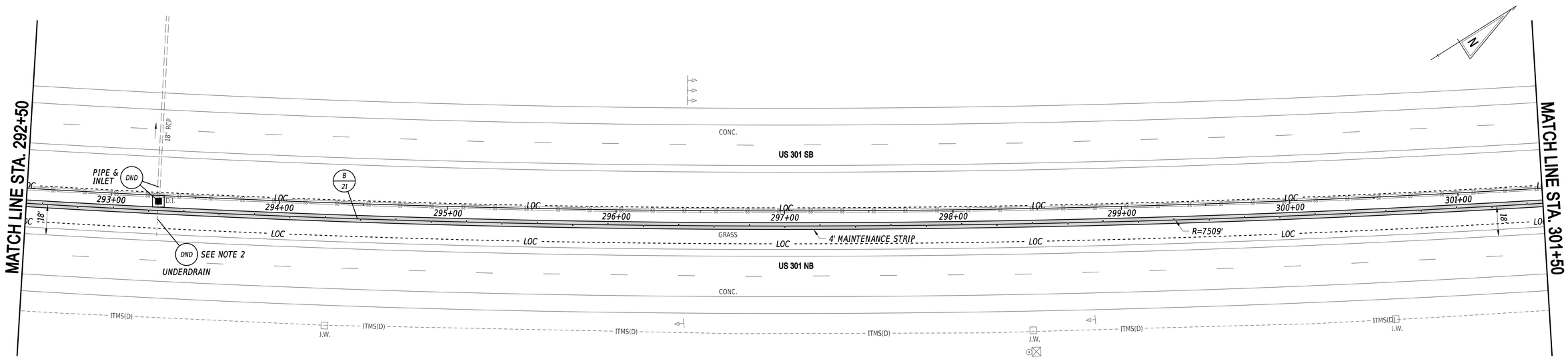
| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 21 | HIGH TENSION CABLE BARRIER | 1802' |




*NOTES:*

1. *THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.*
2. *INSPECT EXISTING DRAINAGE INLETS PRIOR TO GUARDRAIL INSTALLATION TO CONFIRM THE LOCATION AND DIRECTION OF ANY UNDERDRAIN OUTLET PIPES. EXERCISE CARE WHEN DRIVING GUARDRAIL POSTS TO AVOID DAMAGE TO UNDERDRAIN OUTLET PIPES.*

| ADDENDA / REVISIONS | | SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | T202611302 | BRIDGE NO. | N/A | CONSTRUCTION PLAN | CP-10 |
|---|---|---|---|---|---|---|---|---|---|
| | | 0 30 60 90 | | COUNTY | NEW CASTLE | DESIGNED BY: | S. BEALL | | SECTION WRA |
| | | FEET | | | | CHECKED BY: | T. OLIVER | | SHEET NO. 19 |

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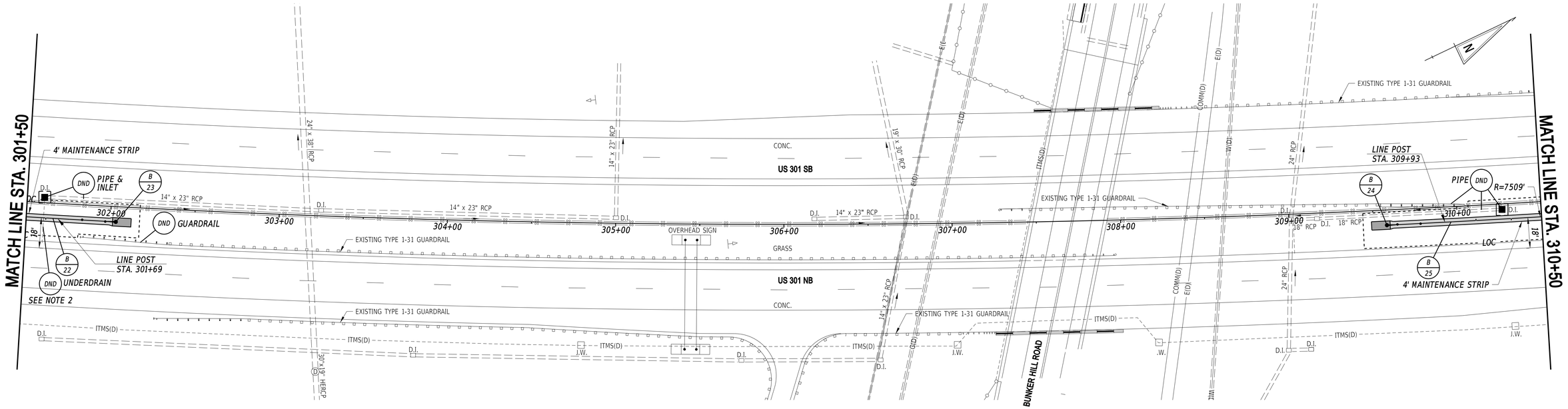


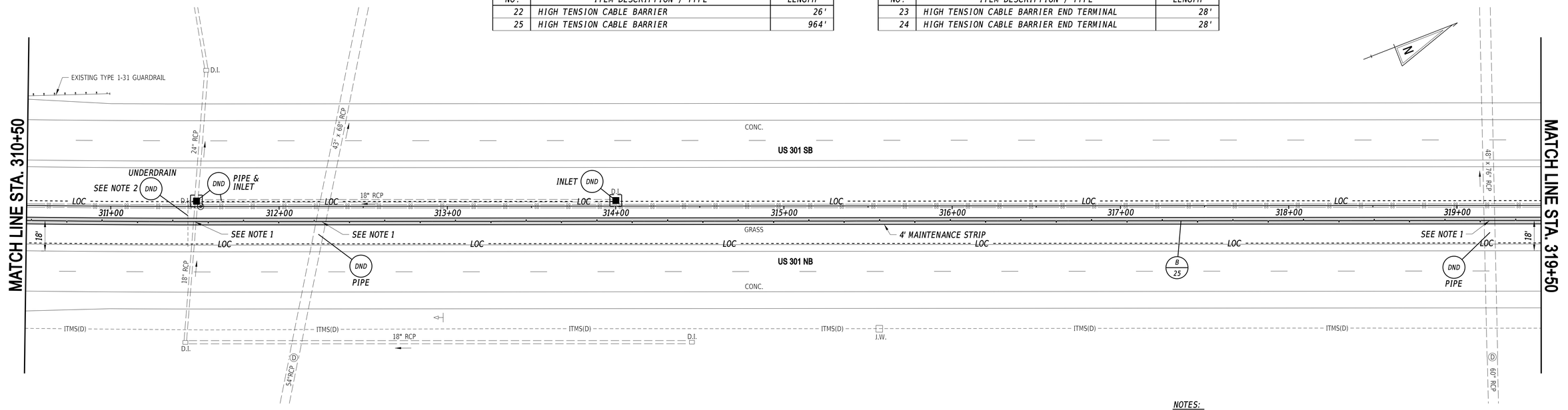


## BARRIER SCHEDULE

| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
|---|---|---|
| 22 | HIGH TENSION CABLE BARRIER | 26' |
| 25 | HIGH TENSION CABLE BARRIER | 964' |

## BARRIER END SECTION SCHEDULE

| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
|---|---|---|
| 23 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |
| 24 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

*NOTES:*

1. *THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.*
2. *INSPECT EXISTING DRAINAGE INLETS PRIOR TO GUARDRAIL INSTALLATION TO CONFIRM THE LOCATION AND DIRECTION OF ANY UNDERDRAIN OUTLET PIPES. EXERCISE CARE WHEN DRIVING GUARDRAIL POSTS TO AVOID DAMAGE TO UNDERDRAIN OUTLET PIPES.*

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

**US 301 MEDIAN BARRIER, SR 896 TO MD LINE**

| | | |
|---|---|---|
| CONTRACT | BRIDGE NO. | N/A |
| T202611302 | DESIGNED BY: | S. BEALL |
| COUNTY | CHECKED BY: | T. OLIVER |
| NEW CASTLE | | |

**CONSTRUCTION PLAN**

CP-11
SECTION WRA
SHEET NO. 20

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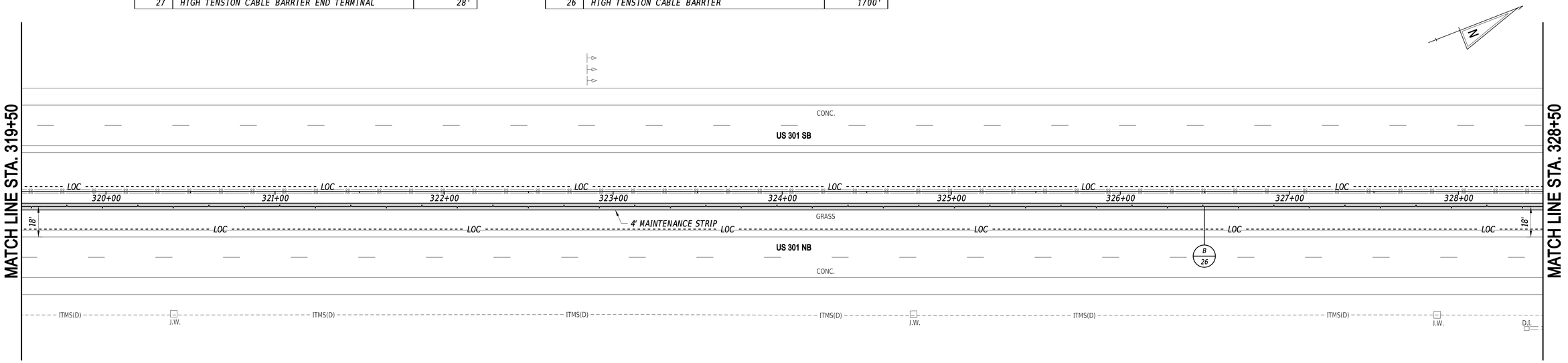
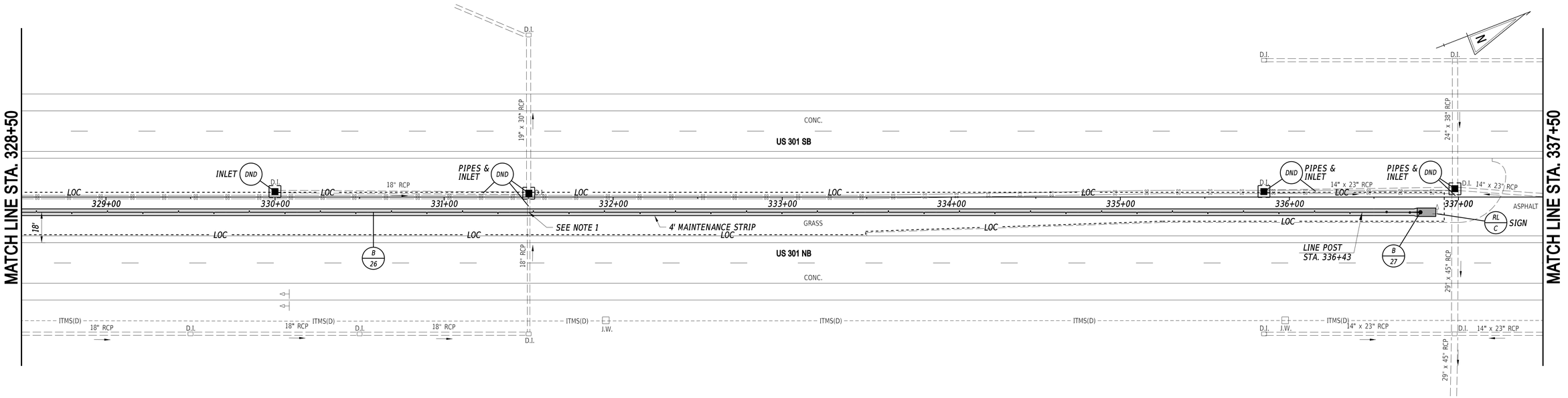
| BARRIER END SECTION SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 27 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 26 | HIGH TENSION CABLE BARRIER | 1700' |




*NOTES:*

1. *THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.*

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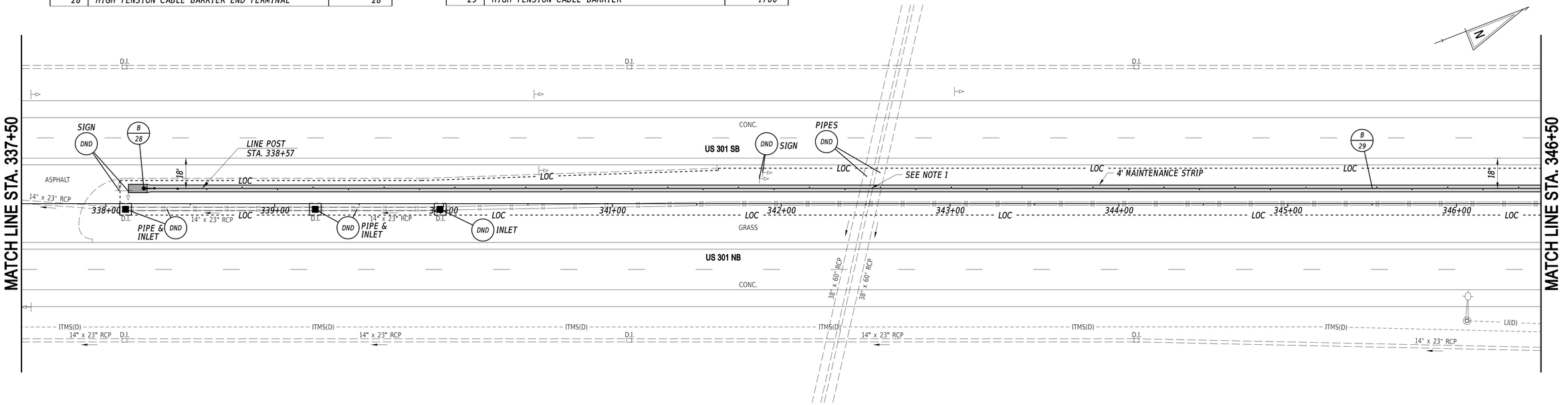
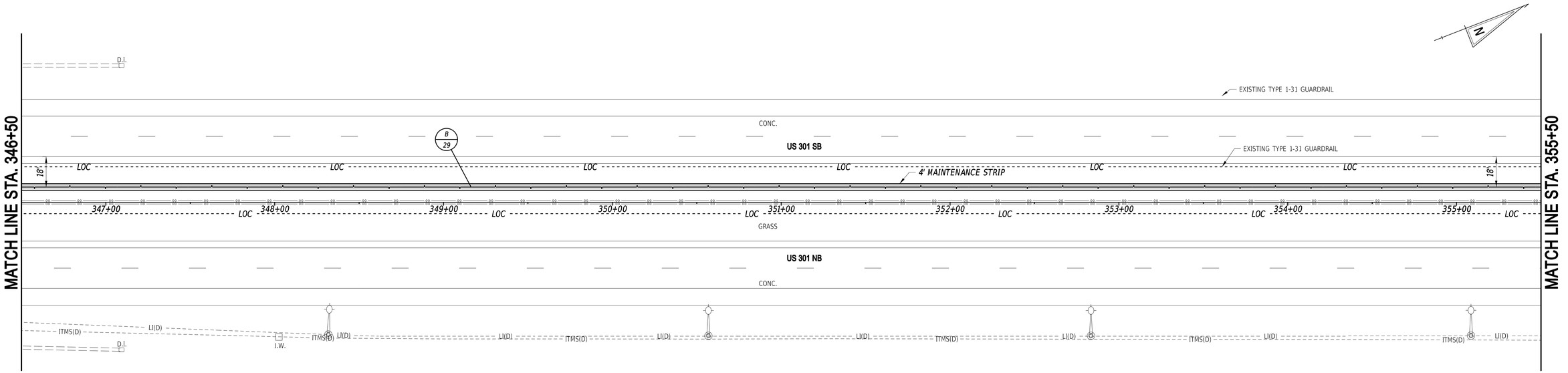
| ADDENDA / REVISIONS | | SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | BRIDGE NO. | N/A | CONSTRUCTION PLAN | CP-12 |
|---|---|---|---|---|---|---|---|---|
| | | 0 30 60 90 FEET | | T202611302 | DESIGNED BY: | S. BEALL | | SECTION WRA |
| | | | | COUNTY NEW CASTLE | CHECKED BY: | T. OLIVER | | SHEET NO. 21 |

| BARRIER END SECTION SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 28 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 29 | HIGH TENSION CABLE BARRIER | 1700' |




*NOTES:*

1. *THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.*

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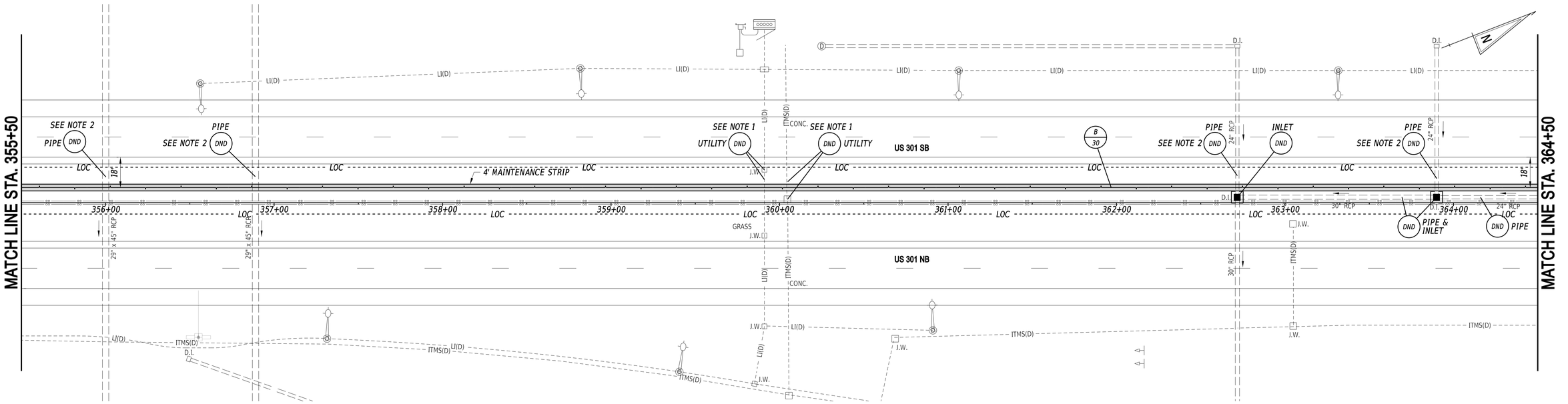
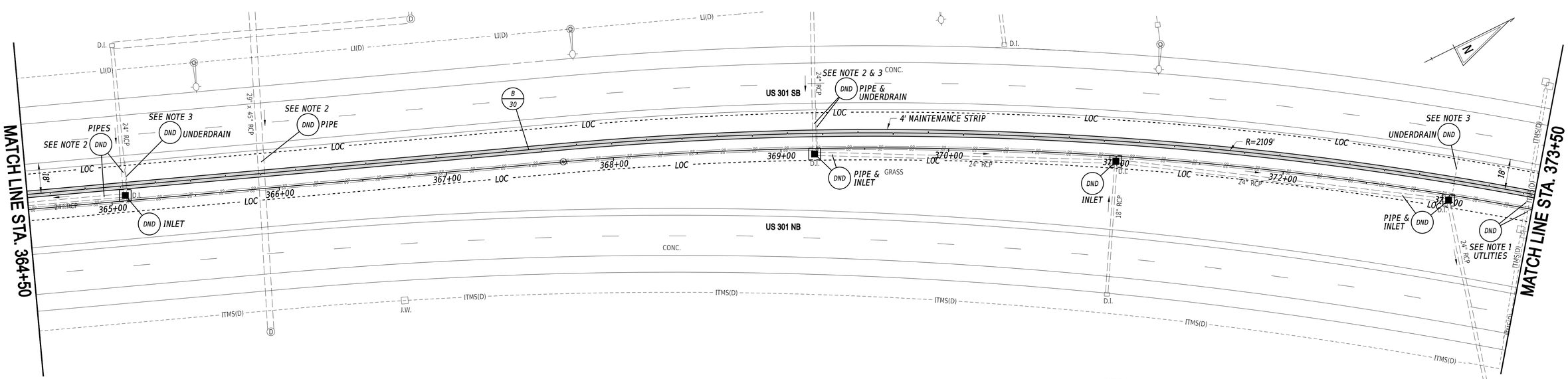
| ADDENDA / REVISIONS | SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | BRIDGE NO. N/A | CONSTRUCTION PLAN | CP-13 |
|---|---|---|---|---|---|---|
| | 0 30 60 90 FEET | | T202611302 | | | SECTION |
| | | | COUNTY | DESIGNED BY: S. BEALL | | WRA |
| | | | NEW CASTLE | CHECKED BY: T. OLIVER | | SHEET NO. 22 |




## BARRIER SCHEDULE

| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
|---|---|---|
| 30 | HIGH TENSION CABLE BARRIER | 1803' |

NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO LOCATE THE EXISTING UNDERGROUND FACILITIES. POST SPACING SHALL BE ADJUSTED ACCORDINGLY TO AVOID CONFLICT.
2. THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.
3. INSPECT EXISTING DRAINAGE INLETS PRIOR TO GUARDRAIL INSTALLATION TO CONFIRM THE LOCATION AND DIRECTION OF ANY UNDERDRAIN OUTLET PIPES. EXERCISE CARE WHEN DRIVING GUARDRAIL POSTS TO AVOID DAMAGE TO UNDERDRAIN OUTLET PIPES.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| | |
|---|---|
| CONTRACT | T202611302 |
| COUNTY | NEW CASTLE |
| BRIDGE NO. | N/A |
| DESIGNED BY: | S. BEALL |
| CHECKED BY: | T. OLIVER |

CONSTRUCTION PLAN

CP-14
SECTION
WRA
SHEET NO.
23

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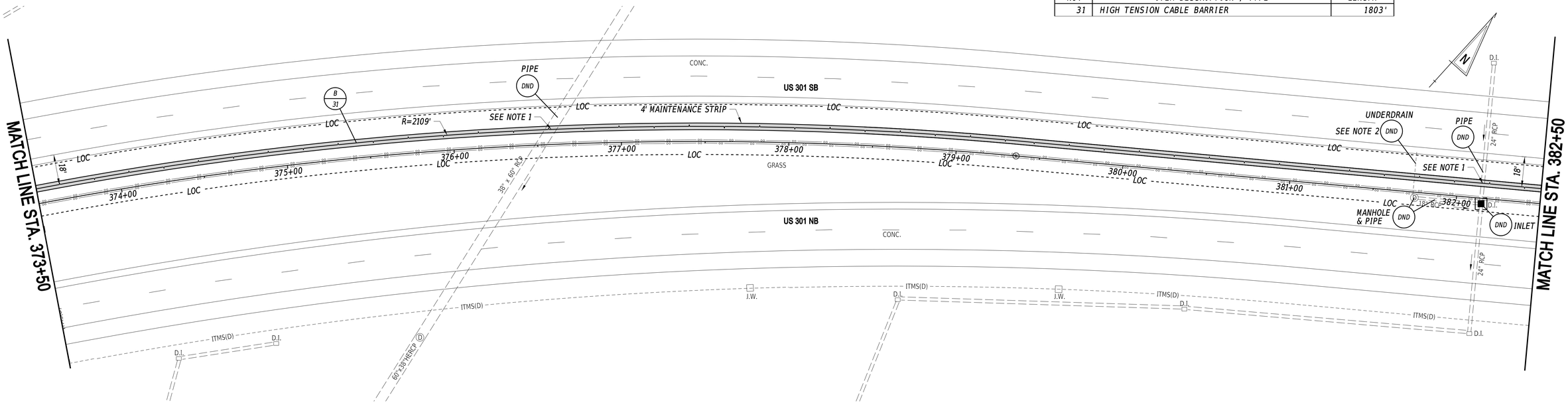
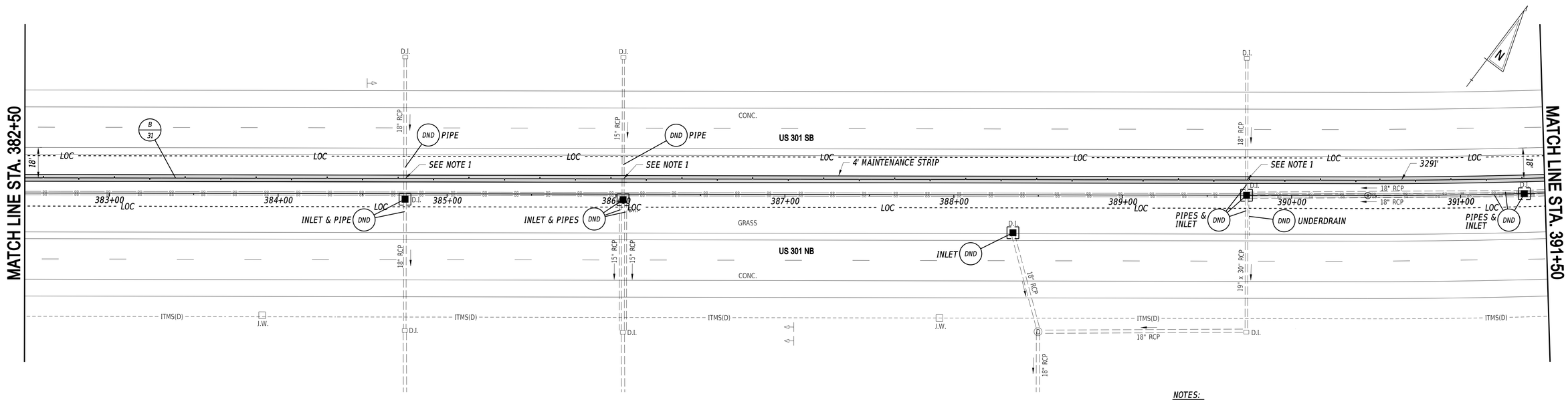
| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 31 | HIGH TENSION CABLE BARRIER | 1803' |




NOTES:

1. THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.
2. INSPECT EXISTING DRAINAGE INLETS PRIOR TO GUARDRAIL INSTALLATION TO CONFIRM THE LOCATION AND DIRECTION OF ANY UNDERDRAIN OUTLET PIPES. EXERCISE CARE WHEN DRIVING GUARDRAIL POSTS TO AVOID DAMAGE TO UNDERDRAIN OUTLET PIPES.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| CONTRACT | BRIDGE NO. | N/A |
|---|---|---|
| T202611302 | DESIGNED BY: | S. BEALL |
| COUNTY | CHECKED BY: | T. OLIVER |
| NEW CASTLE | | |

CONSTRUCTION PLAN

| CP-15 |
|---|
| SECTION |
| WRA |
| SHEET NO. |
| 24 |

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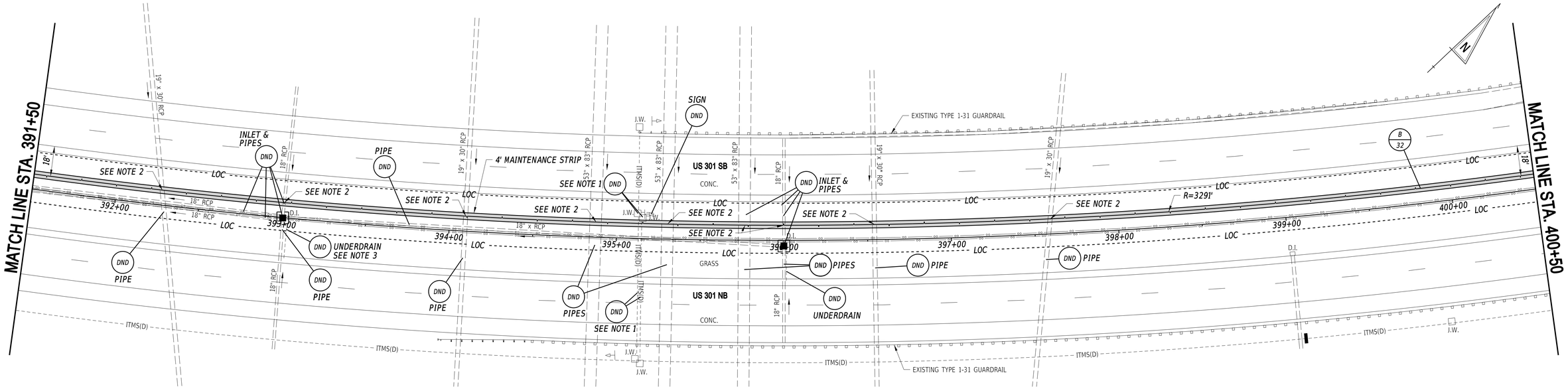
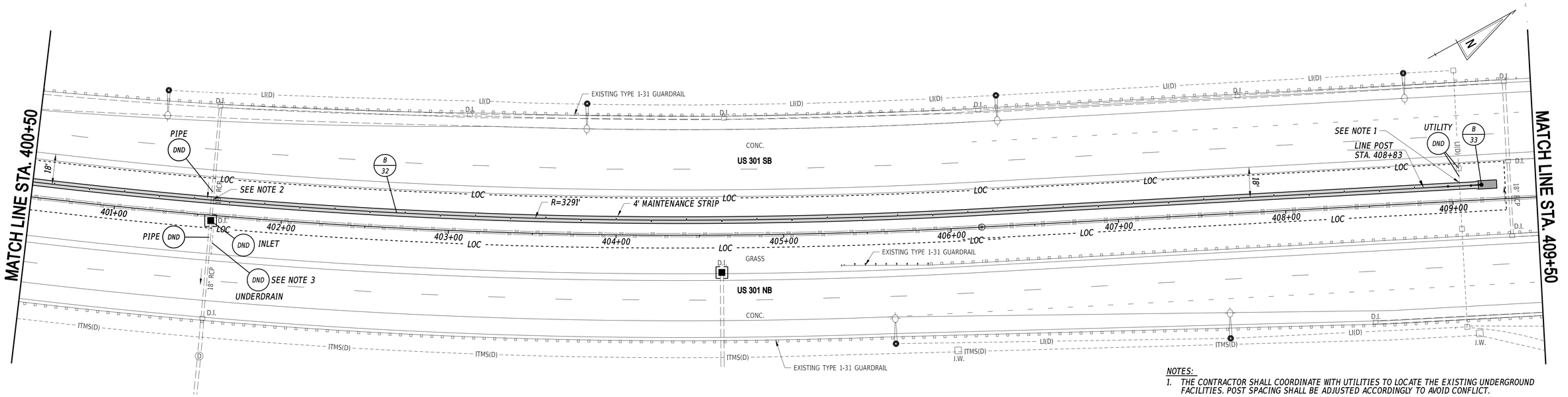
| BARRIER END SECTION SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 33 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 32 | HIGH TENSION CABLE BARRIER | 1736' |




*NOTES:*

1. *THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO LOCATE THE EXISTING UNDERGROUND FACILITIES. POST SPACING SHALL BE ADJUSTED ACCORDINGLY TO AVOID CONFLICT.*
2. *THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.*
3. *INSPECT EXISTING DRAINAGE INLETS PRIOR TO GUARDRAIL INSTALLATION TO CONFIRM THE LOCATION AND DIRECTION OF ANY UNDERDRAIN OUTLET PIPES. EXERCISE CARE WHEN DRIVING GUARDRAIL POSTS TO AVOID DAMAGE TO UNDERDRAIN OUTLET PIPES.*

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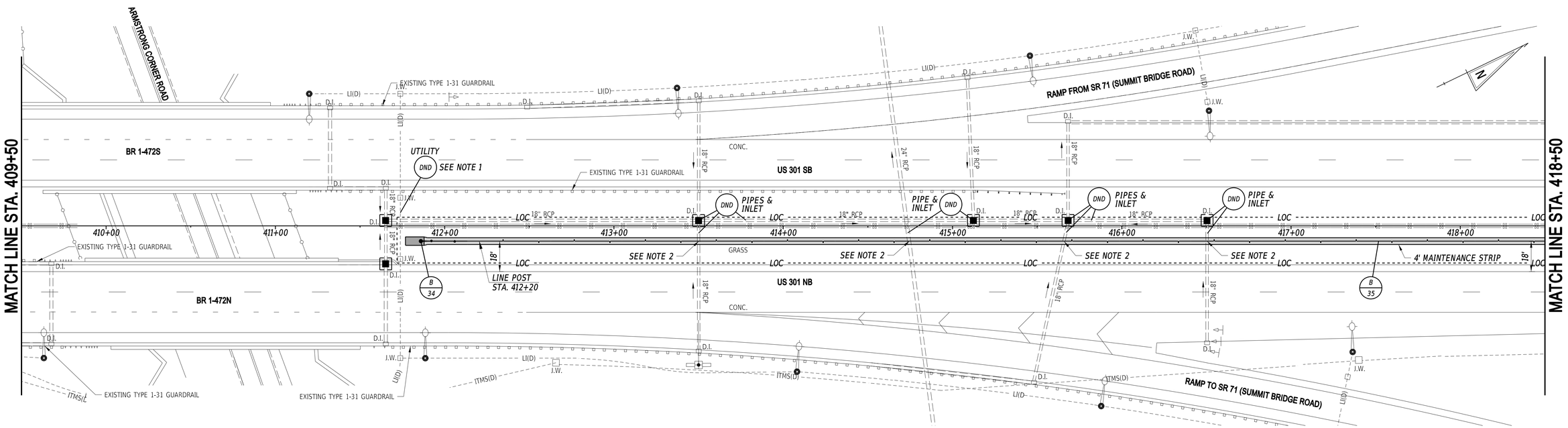
| ADDENDA / REVISIONS | | SCALE 0 30 60 90 FEET | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT T202611302 | BRIDGE NO. N/A | CONSTRUCTION PLAN | CP-16 |
|---|---|---|---|---|---|---|---|
| | | | | COUNTY NEW CASTLE | DESIGNED BY: S. BEALL | | SECTION WRA |
| | | | | | CHECKED BY: T. OLIVER | | SHEET NO. 25 |




**BARRIER END SECTION SCHEDULE**

| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
|---|---|---|
| 34 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |
| 36 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |
| 37 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

**BARRIER SCHEDULE**

| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
|---|---|---|
| 35 | HIGH TENSION CABLE BARRIER | 1149' |
| 38 | HIGH TENSION CABLE BARRIER | 80' |

*NOTES:*

1. *THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO LOCATE THE EXISTING UNDERGROUND FACILITIES. POST SPACING SHALL BE ADJUSTED ACCORDINGLY TO AVOID CONFLICT.*
2. *THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.*

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| | | | |
|---|---|---|---|
| CONTRACT | T202611302 | BRIDGE NO. | N/A |
| COUNTY | NEW CASTLE | DESIGNED BY: | S. BEALL |
| | | CHECKED BY: | T. OLIVER |

**CONSTRUCTION PLAN**

| | |
|---|---|
| SECTION | CP-17 |
| SHEET NO. | WRA |
| | 26 |

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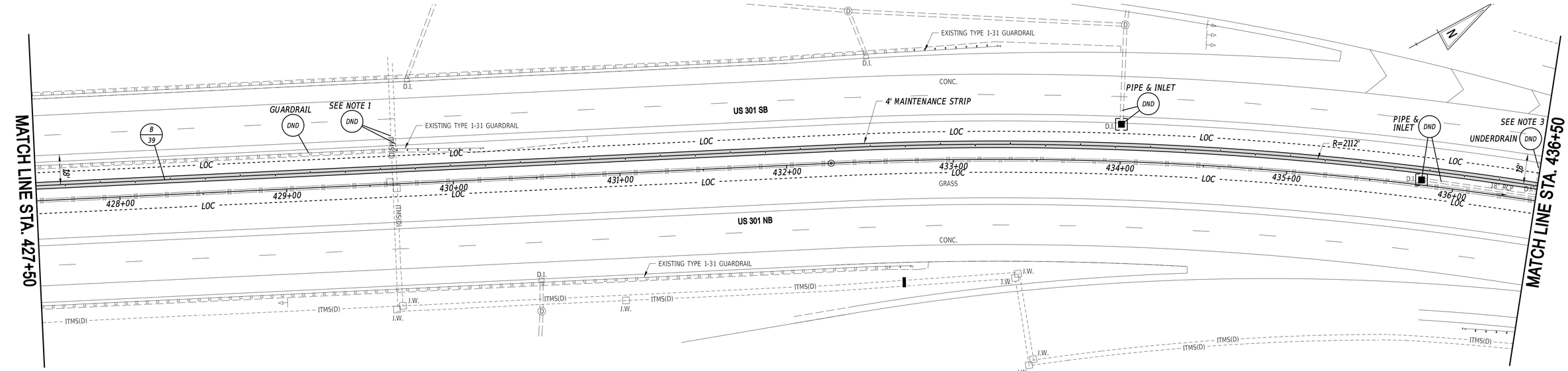
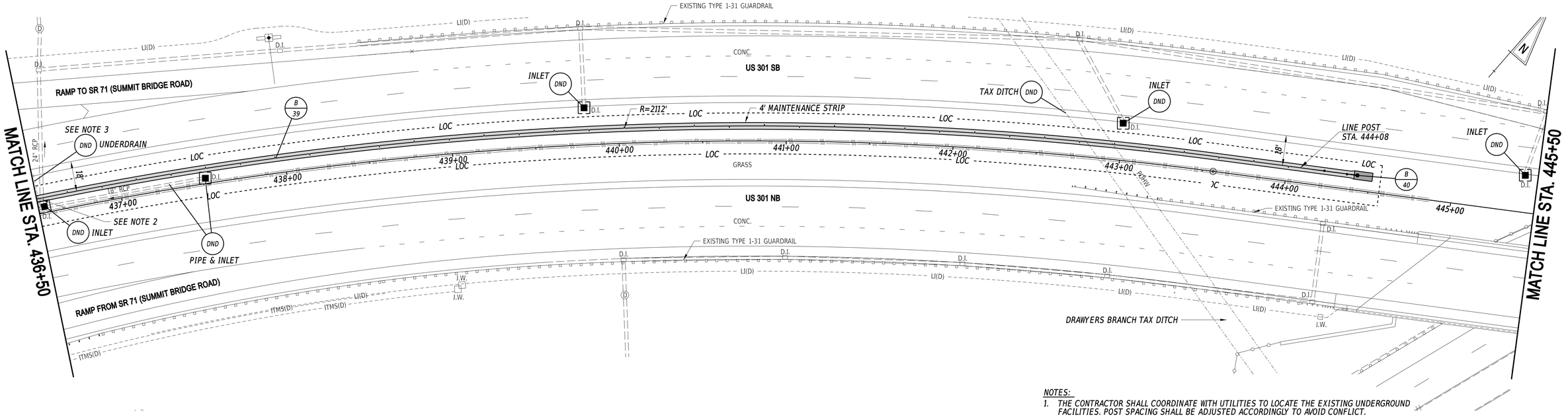
| BARRIER END SECTION SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 40 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 39 | HIGH TENSION CABLE BARRIER | 1670' |




NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO LOCATE THE EXISTING UNDERGROUND FACILITIES. POST SPACING SHALL BE ADJUSTED ACCORDINGLY TO AVOID CONFLICT.
2. THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES, UNDERDRAIN AND CULVERTS.
3. INSPECT EXISTING DRAINAGE INLETS PRIOR TO GUARDRAIL INSTALLATION TO CONFIRM THE LOCATION AND DIRECTION OF ANY UNDERDRAIN OUTLET PIPES. EXERCISE CARE WHEN DRIVING GUARDRAIL POSTS TO AVOID DAMAGE TO UNDERDRAIN OUTLET PIPES.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| CONTRACT | BRIDGE NO. | N/A |
|---|---|---|
| T202611302 | DESIGNED BY: | S. BEALL |
| COUNTY | CHECKED BY: | T. OLIVER |
| NEW CASTLE | | |

CONSTRUCTION PLAN

| CP-18 |
|---|
| SECTION |
| WRA |
| SHEET NO. |
| 27 |

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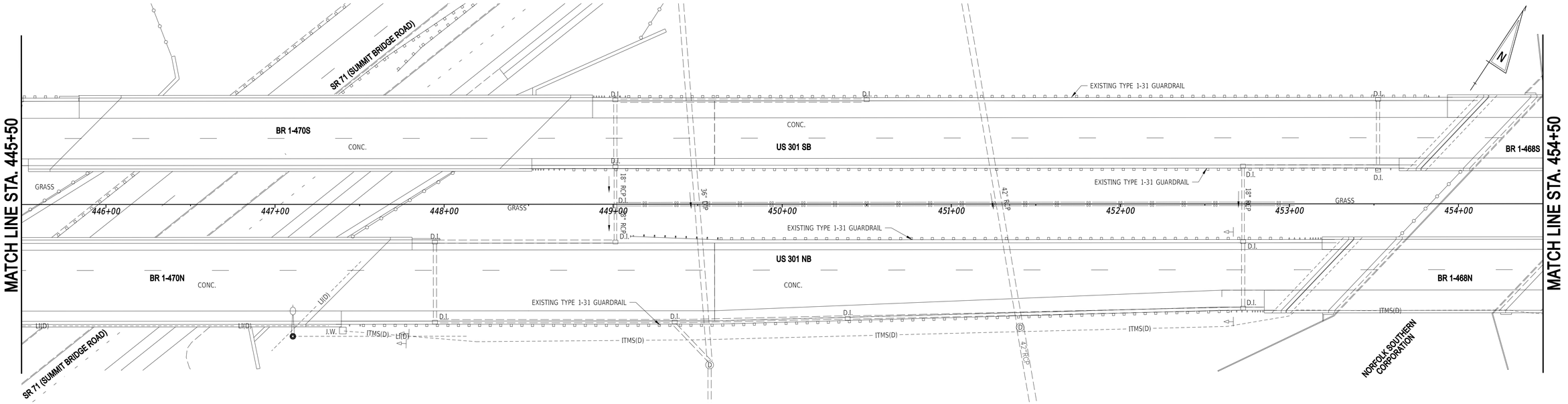
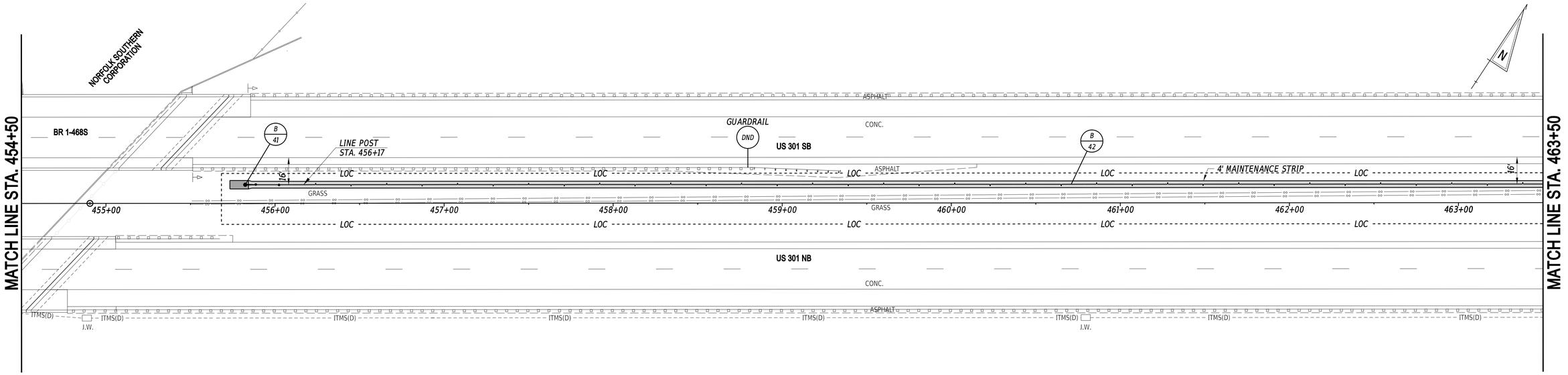
| BARRIER END SECTION SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 41 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 42 | HIGH TENSION CABLE BARRIER | 740' |




| ADDENDA / REVISIONS | | SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | BRIDGE NO. | N/A | CONSTRUCTION PLAN | CP-19 |
|---|---|---|---|---|---|---|---|---|
| | | 0 30 60 90 | | T202611302 | | | | SECTION |
| | | FEET | | COUNTY | DESIGNED BY: | S. BEALL | | WRA |
| | | | | NEW CASTLE | CHECKED BY: | T. OLIVER | | SHEET NO. |
| | | | | | | | | 28 |

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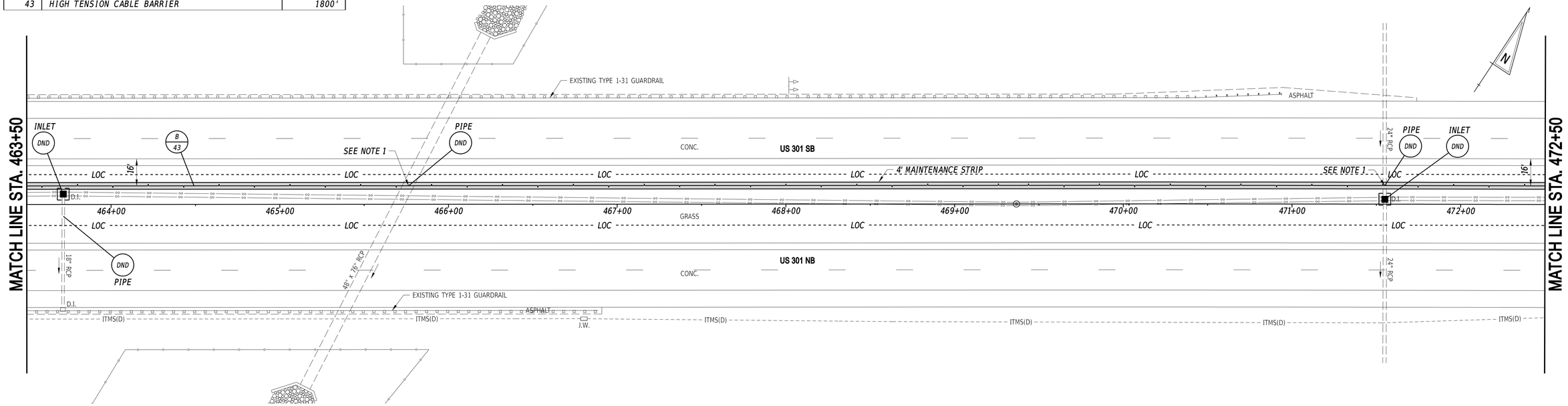
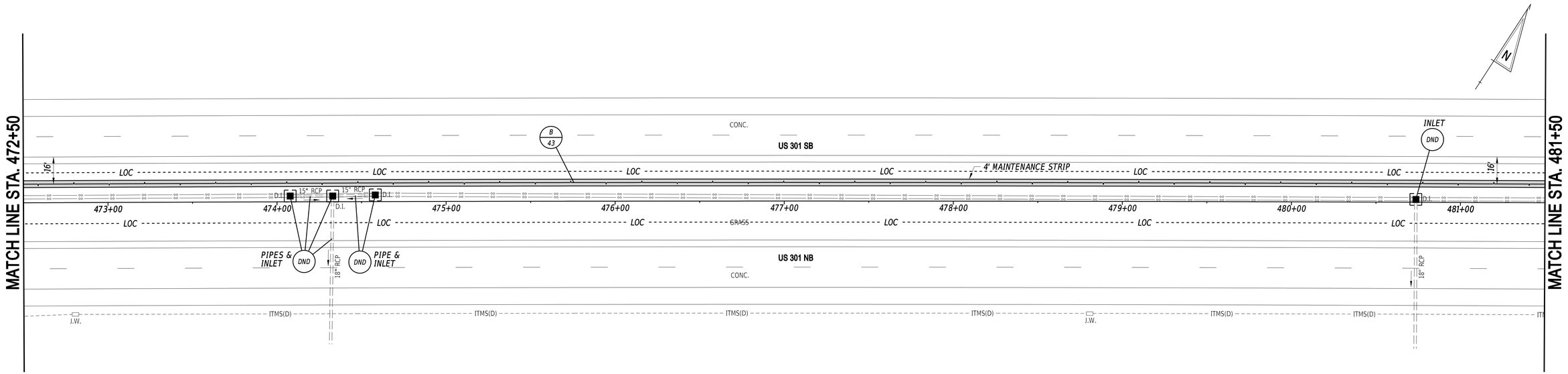
## BARRIER SCHEDULE

| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
|---|---|---|
| 43 | HIGH TENSION CABLE BARRIER | 1800' |




*NOTES:*

1. *THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.*

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

**US 301 MEDIAN BARRIER, SR 896 TO MD LINE**

| CONTRACT | BRIDGE NO. | N/A |
|---|---|---|
| T202611302 | DESIGNED BY: | S. BEALL |
| COUNTY | CHECKED BY: | T. OLIVER |
| NEW CASTLE | | |

**CONSTRUCTION PLAN**

| CP-20 |
|---|
| SECTION |
| WRA |
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| 29 |

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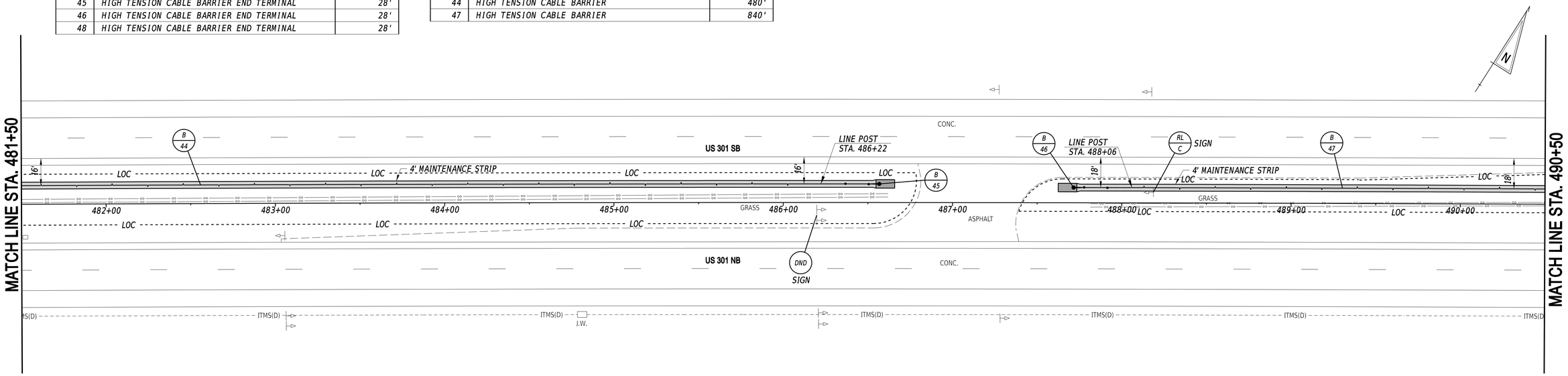
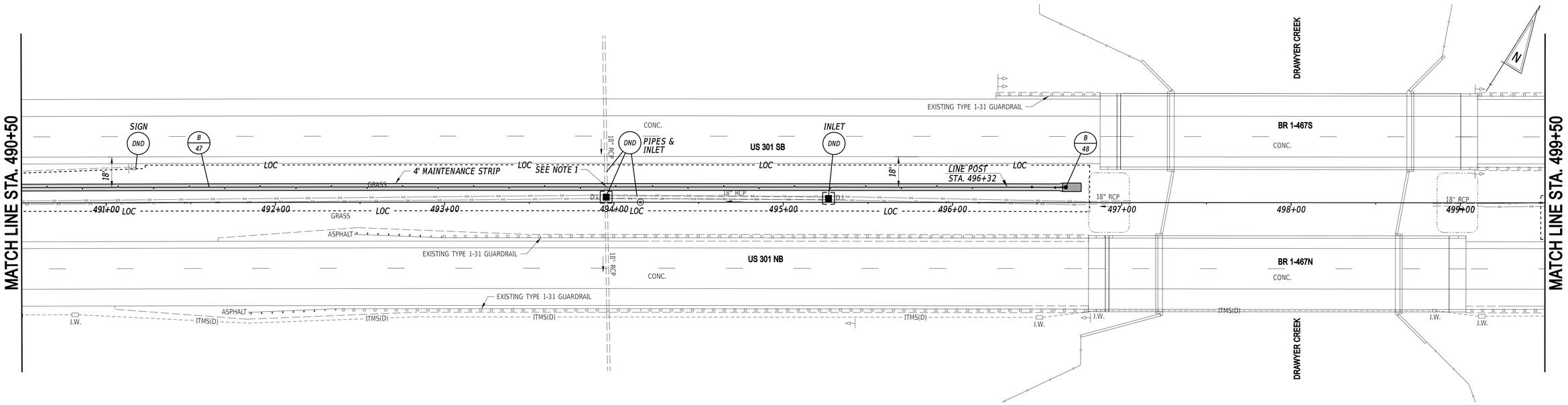
| BARRIER END SECTION SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 45 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |
| 46 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |
| 48 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 44 | HIGH TENSION CABLE BARRIER | 480' |
| 47 | HIGH TENSION CABLE BARRIER | 840' |




NOTES:

1. THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| CONTRACT | BRIDGE NO. | N/A |
|---|---|---|
| T202611302 | DESIGNED BY: | S. BEALL |
| COUNTY | CHECKED BY: | T. OLIVER |
| NEW CASTLE | | |

CONSTRUCTION PLAN

CP-21

| SECTION | WRA |
|---|---|
| SHEET NO. | 30 |

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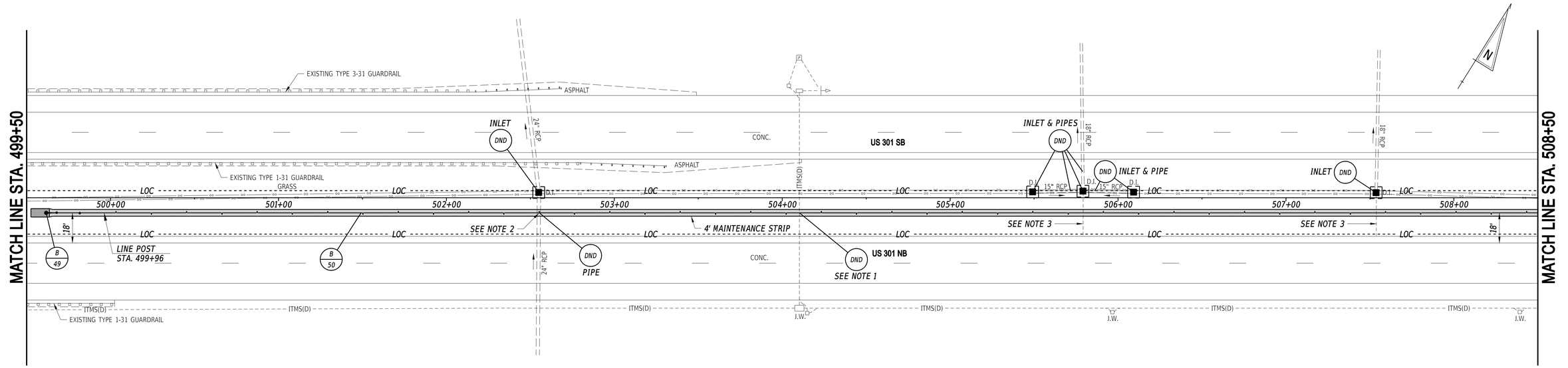
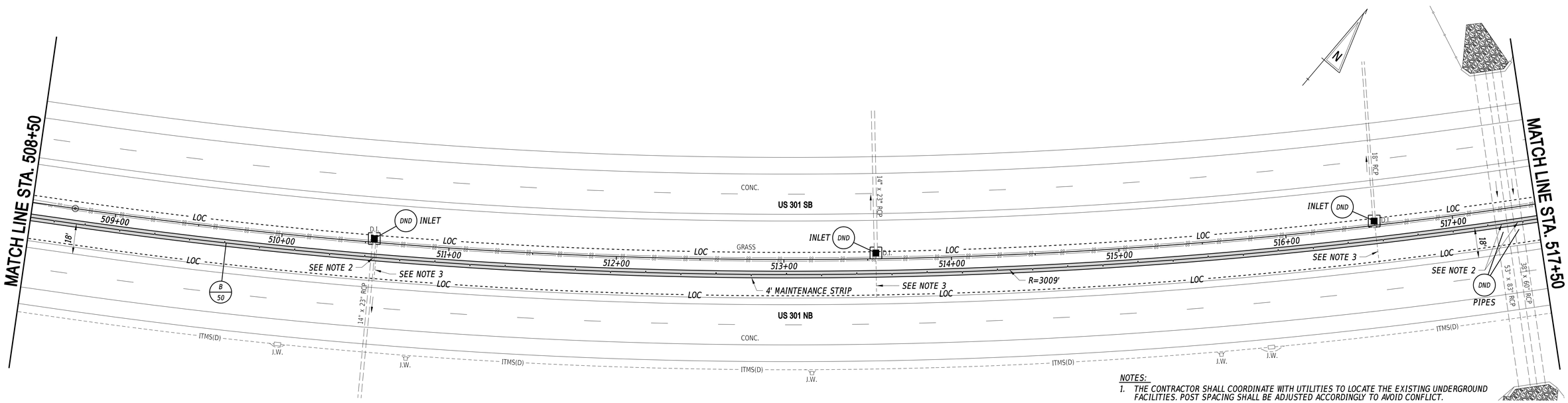
| BARRIER END SECTION SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 49 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 50 | HIGH TENSION CABLE BARRIER | 1764' |




NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO LOCATE THE EXISTING UNDERGROUND FACILITIES. POST SPACING SHALL BE ADJUSTED ACCORDINGLY TO AVOID CONFLICT.
2. THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.
3. INSPECT EXISTING DRAINAGE INLETS PRIOR TO GUARDRAIL INSTALLATION TO CONFIRM THE LOCATION AND DIRECTION OF ANY UNDERDRAIN OUTLET PIPES. EXERCISE CARE WHEN DRIVING GUARDRAIL POSTS TO AVOID DAMAGE TO UNDERDRAIN OUTLET PIPES.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| | | | |
|---|---|---|---|
| CONTRACT | T202611302 | BRIDGE NO. | N/A |
| COUNTY | NEW CASTLE | DESIGNED BY: | S. BEALL |
| | | CHECKED BY: | T. OLIVER |

CONSTRUCTION PLAN

| | |
|---|---|
| CP-22 | |
| SECTION | WRA |
| SHEET NO. | 31 |

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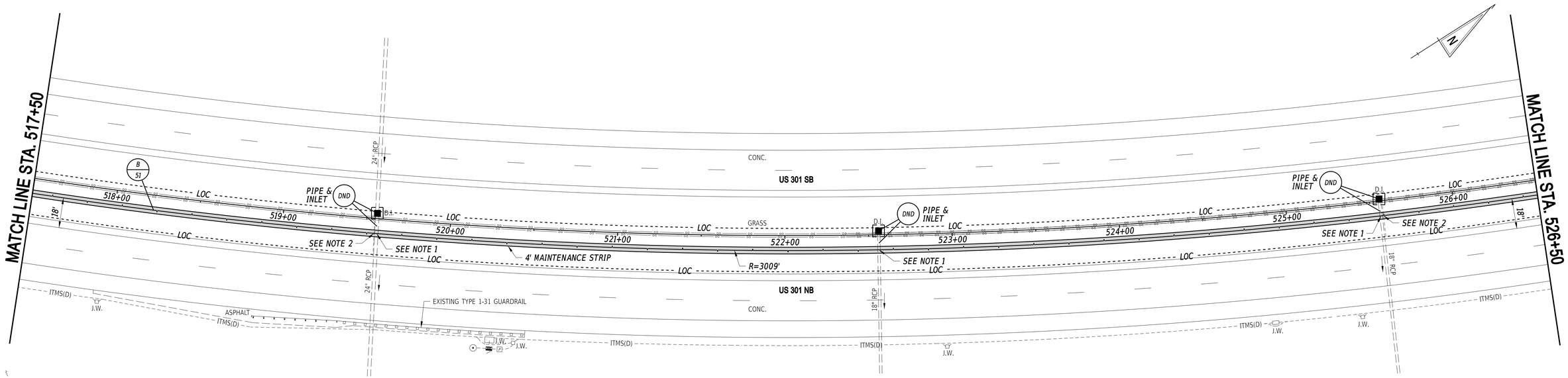
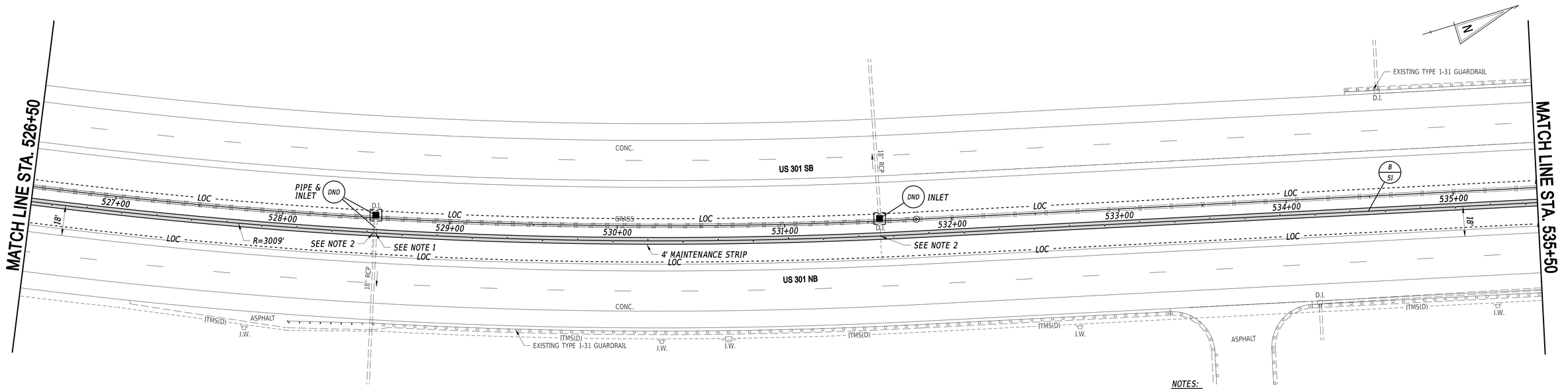
| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 51 | HIGH TENSION CABLE BARRIER | 1805' |




NOTES:

1. THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.
2. INSPECT EXISTING DRAINAGE INLETS PRIOR TO GUARDRAIL INSTALLATION TO CONFIRM THE LOCATION AND DIRECTION OF ANY UNDERDRAIN OUTLET PIPES. EXERCISE CARE WHEN DRIVING GUARDRAIL POSTS TO AVOID DAMAGE TO UNDERDRAIN OUTLET PIPES.

| ADDENDA / REVISIONS | | | |
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# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| | | | |
|---|---|---|---|
| CONTRACT | T202611302 | BRIDGE NO. | N/A |
| COUNTY | NEW CASTLE | DESIGNED BY: | S. BEALL |
| | | CHECKED BY: | T. OLIVER |

CONSTRUCTION PLAN

| | |
|---|---|
| CP-23 | |
| SECTION | WRA |
| SHEET NO. | 32 |

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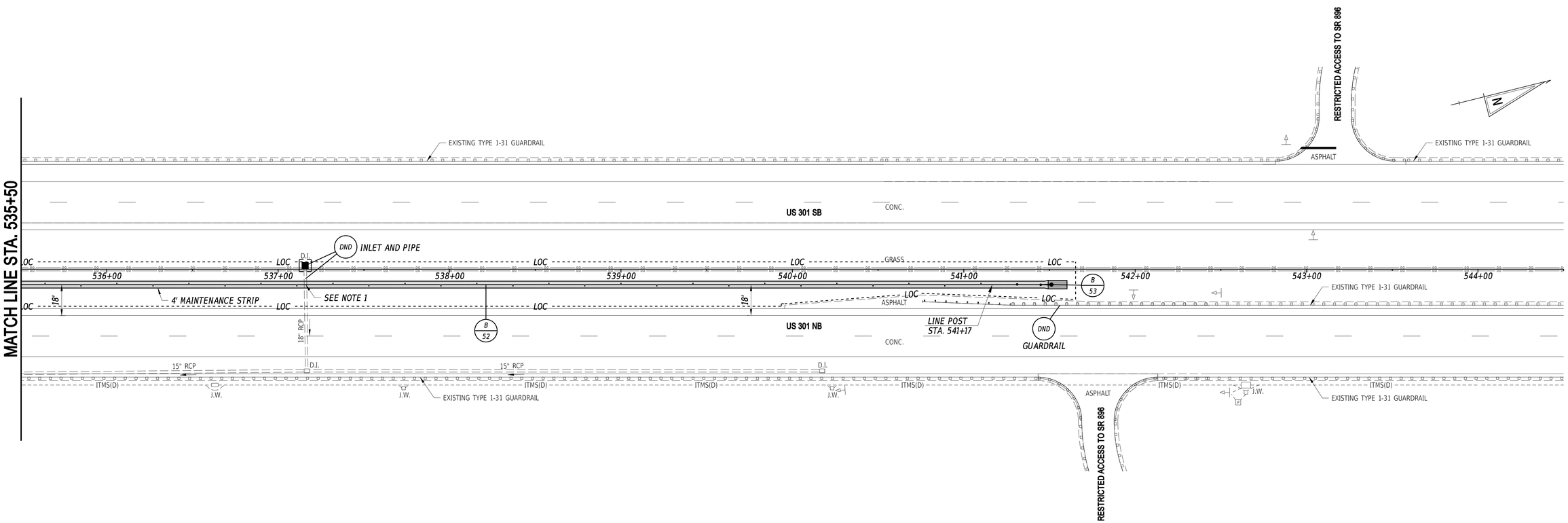
| BARRIER END SECTION SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 53 | HIGH TENSION CABLE BARRIER END TERMINAL | 28' |

| BARRIER SCHEDULE | | |
|---|---|---|
| NO. | ITEM DESCRIPTION / TYPE | LENGTH |
| 52 | HIGH TENSION CABLE BARRIER | 574' |




*NOTES:*

1. *THE CONTRACTOR SHALL LAYOUT THE PROPOSED BARRIER TO ENSURE THE LINE POSTS SPAN EXISTING PIPES AND CULVERTS.*

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| ADDENDA / REVISIONS | |
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# US 301 MEDIAN BARRIER, SR 896 TO MD LINE

| | | |
|---|---|---|
| CONTRACT | BRIDGE NO. | N/A |
| T202611302 | DESIGNED BY: | S. BEALL |
| COUNTY | CHECKED BY: | T. OLIVER |
| NEW CASTLE | | |

**CONSTRUCTION PLAN**

| CP-24 |
|---|
| SECTION |
| WRA |
| SHEET NO. |
| 33 |

# GENERAL MOT NOTES

1. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND SHOULDER CLOSURES SHALL CONFORM TO THE FOLLOWING TYPICAL APPLICATIONS OF THE DELAWARE MUTCD:

   TYPICAL APPLICATION 5A - SHOULDER CLOSURE ON AN INTERSTATE, FREEWAY, OR EXPRESSWAY FOR WORK BEYOND THE SHOULDER GREATER THAN 10 FEET FROM THE EDGE OF THE TRAVELED WAY

   TYPICAL APPLICATION 5B - STATIONARY LANE CLOSURE FOR SHOULDER WORK 10 FEET FROM THE EDGE OF THE TRAVELED WAY ON AN INTERSTATE, FREEWAY OR EXPRESSWAY.

   TYPICAL APPLICATION 33 - STATIONARY LANE CLOSURE ON A MULTI-LANE, DIVIDED HIGHWAY.

2. TEMPORARY TRAFFIC CONTROL WORK ZONES THAT REQUIRE THE INSTALLATION OF TRAFFIC CONTROL DEVICES IN THE STATE OF MARYLAND SHALL BE MAINTAINED IN ACCORDANCE WITH THE MARYLAND STATE HIGHWAY (MDSHA) BOOK OF STANDARDS FOR HIGHWAYS AND STRUCTURES AND STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS. MDSHA TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATIONS SHALL BE FOLLOWED AS NOTED BELOW. ALL TEMPORARY TRAFFIC CONTROL DEVICES INSTALLED WITHIN THE STATE OF MARYLAND SHALL BE ON THE MDSHA QUALIFIED PRODUCTS LIST.

   MDSHA TYPICAL APPLICATION STD. NO. 104.02-01 - SHOULDER WORK
   MDSHA TYPICAL APPLICATION STD. NO. 104.05-08 - TEMPORARY LEFT-LANE CLOSURE

3. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF EXISTING PAVEMENT WITHIN THE PROJECT LIMITS FOR THE DURATION OF THIS CONTRACT OR AS DIRECTED BY THE ENGINEER.

4. ACCESS TO ALL EXISTING PAVED EMERGENCY MEDIAN CROSSOVERS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION AND SHALL NOT BE USED BY THE CONTRACTOR AT ANY TIME.

5. ALL WORK SHALL BE PERFORMED IN A MANNER SUCH THAT POSITIVE DRAINAGE OF THE ROADWAY SURFACE IS MAINTAINED THROUGHOUT CONSTRUCTION. ALL WORK AND MATERIALS TO PROVIDE AND MAINTAIN THIS DRAINAGE SHALL BE INCIDENTAL TO ITEM 801000 - MAINTENANCE OF TRAFFIC.

6. NO EQUIPMENT OR MATERIALS SHALL BE STORED IN THE MEDIAN.

7. THE CONTRACTOR SHALL SUPPLY MESSAGE BOARDS UNDER ITEM 803001 - PROVIDE AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN (PCMS). MOVING THE MESSAGE BOARDS TO DIFFERENT LOCATIONS DURING CONSTRUCTION WILL BE INCIDENTAL TO ITEM 803001. MESSAGE BOARDS SHALL BE PLACED A MINIMUM OF TEN (10) DAYS PRIOR TO THE START OF CONSTRUCTION AND ANY CHANGES IN TRAFFIC PATTERNS AND MUST REMAIN IN PLACE FOR FIVE (5) DAYS AFTER WORK HAS STARTED. THE MESSAGE AND LOCATION OF EACH PCMS SHALL BE APPROVED BY THE DISTRICT TRAFFIC SAFETY OFFICER.

8. IF ANY EXISTING RUMBLE STRIPS ARE REMOVED OR IMPACTED BY CONSTRUCTION, THEY SHALL BE REPLACED IN-KIND BY THE CONTRACTOR. PAYMENT FOR THIS WORK WILL BE INCIDENTAL TO ITEM 801000.

9. TRAFFIC IMPACTS DUE TO CONSTRUCTION ACTIVITIES SHALL BE GOVERNED BY THE FOLLOWING RESTRICTIONS:

   TEMPORARY STATIONARY LANE CLOSURES ARE PERMITTED BASED ON THE TABLE ON THIS SHEET.

10. AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR REQUIREMENT FOR THIS PROJECT.

| | |
|---|---|
| ( ) | THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT. |
| ( X ) | THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT AND THAT PERSON'S SOLE RESPONSIBILITY SHALL BE THE MANAGEMENT AND SUPERVISION OF THE PROJECT'S TEMPORARY TRAFFIC CONTROL ACTIVITIES. THIS PERSON SHALL NOT HAVE ANY OTHER ROLE ON THE PROJECT. RESPONSIBILITIES AND REQUIREMENTS OF THE ATSSA SUPERVISOR ARE DEFINED IN SECTION 812 OF THE STANDARD SPECIFICATIONS. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 801000. |

## US 301 ALLOWABLE LANE CLOSURE HOURS

| | 12:00 AM | 1:00 AM | 2:00 AM | 3:00 AM | 4:00 AM | 5:00 AM | 6:00 AM | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM | 1:00 PM | 2:00 PM | 3:00 PM | 4:00 PM | 5:00 PM | 6:00 PM | 7:00 PM | 8:00 PM | 9:00 PM | 10:00 PM | 11:00 PM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUNDAY | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| MONDAY | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| TUESDAY | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| WEDNESDAY | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| THURSDAY | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| FRIDAY | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SATURDAY | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

X 2 to 1 lane reduction permitted

all lanes open

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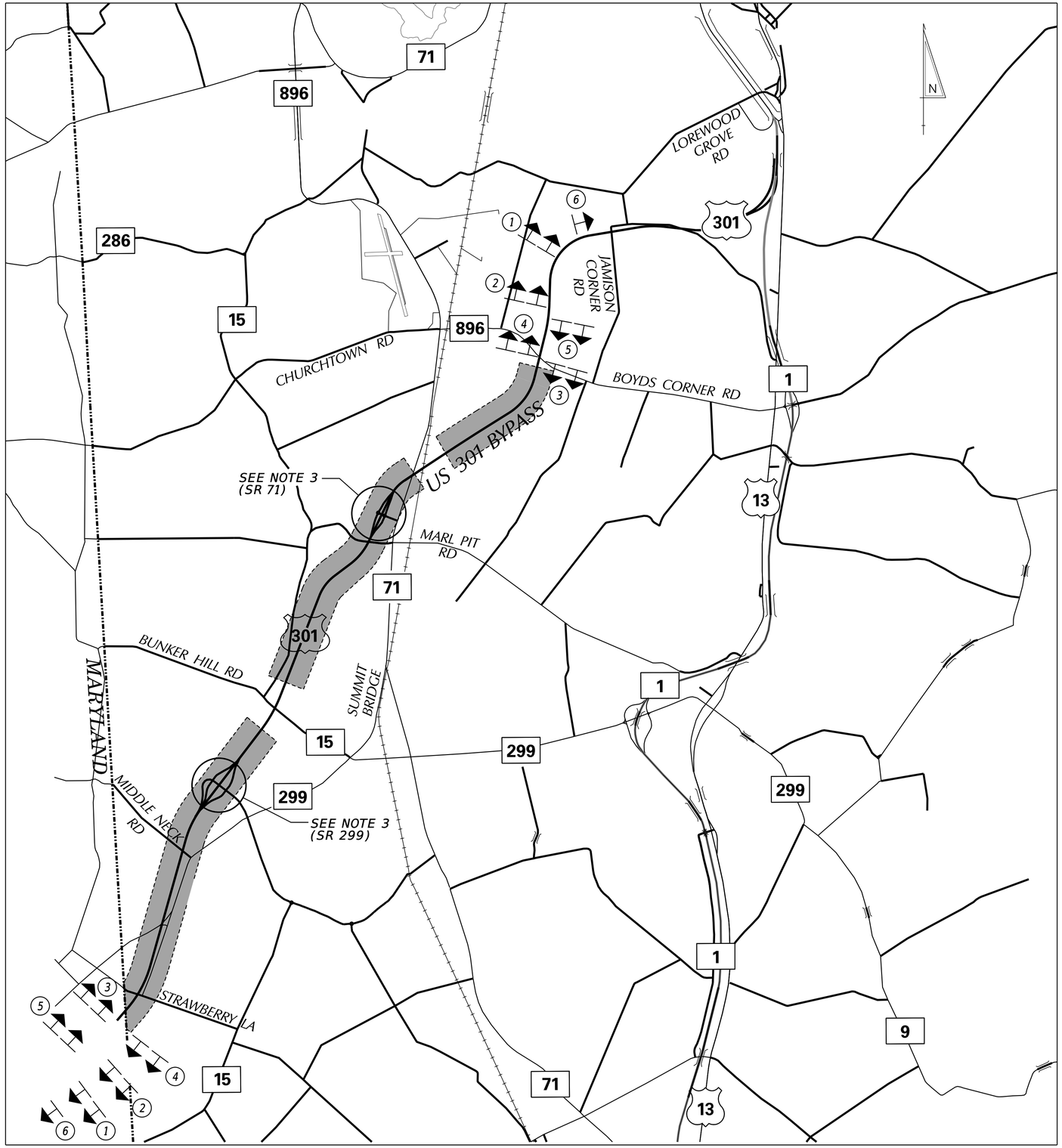
| ADDENDA / REVISIONS | | NOT TO SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | BRIDGE NO. N/A | GENERAL TRAFFIC CONTROL NOTES | CS-01 |
|---|---|---|---|---|---|---|---|
| | | | | T202611302 | DESIGNED BY: S. BEALL | | SECTION WRA |
| | | | | COUNTY | | | SHEET NO. 34 |
| | | | | NEW CASTLE | CHECKED BY: T. OLIVER | | |

## WARNING SIGN LEGEND

| | | | | | |
|---|---|---|---|---|---|
| ROAD WORK AHEAD | ROAD WORK NEXT 8 MILES | END ROAD WORK | BEGIN HIGHER FINES ZONE | END HIGHER FINES ZONE | PCMS BOARD |
| W20-1 60" x 60" | G20-1 48"x24" | G20-2 48"x24" | R2-10 24"x36" | R2-11 24"x36" | SEE NOTE 4 |
| (1) | (2) | (3) | (4) | (5) | (6) |

NOTES:

1. PLACE ALL WARNING SIGNS PRIOR TO THE BEGINNING OF CONSTRUCTION. ALL WARNING SIGNS SHALL BE PAID FOR UNDER ITEM 810001 - TEMPORARY WARNING SIGNS AND PLAQUES.
2. ALL WARNING SIGNS LOCATED ALONG US 301 SHALL BE PLACED IN THE MEDIAN AND ALONG THE RIGHT SIDE OF THE ROADWAY.
3. W20-1 AND G20-2 SIGNS SHALL BE PLACED ALONG ACCESS RAMPS AT ALL INTERCHANGES, INCLUDING SR 71 AND SR 299.
4. THE CONTRACTOR SHALL INSTALL A PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) 10 DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION WITH THE FOLLOWING MESSAGE: "MEDIAN WORK / STARTING MM/DD/YY" AND MAINTAIN THE PCMS FOR 5 DAYS AFTER THE START OF CONSTRUCTION WITH THE MESSAGE: "CAUTION / WORK IN MEDIAN." THE CONTRACTOR SHALL OBTAIN FINAL APPROVAL OF PCMS BOARD LOCATIONS AND MESSAGES WITH DELDOT'S CANAL DISTRICT SAFETY OFFICER.
5. SIGNS NEED TO BE PLACED OUTSIDE LIMITS OF WORK ZONE (I.E. IN MD AS SHOWN). COORDINATE WITH MDSHA DISTRICT 2 FOR CONCURRENCE WITH SIGN PLACEMENT.




| ADDENDA / REVISIONS | | NOT TO SCALE | US 301 MEDIAN BARRIER, SR 896 TO MD LINE | CONTRACT | BRIDGE NO. N/A | WARNING SIGN LOCATION PLAN | CS-02 |
|---|---|---|---|---|---|---|---|
| | | | | T202611302 | DESIGNED BY: S. BEALL | | SECTION |
| | | | | COUNTY | CHECKED BY: T. OLIVER | | WRA |
| | | | | NEW CASTLE | | | SHEET NO. |
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