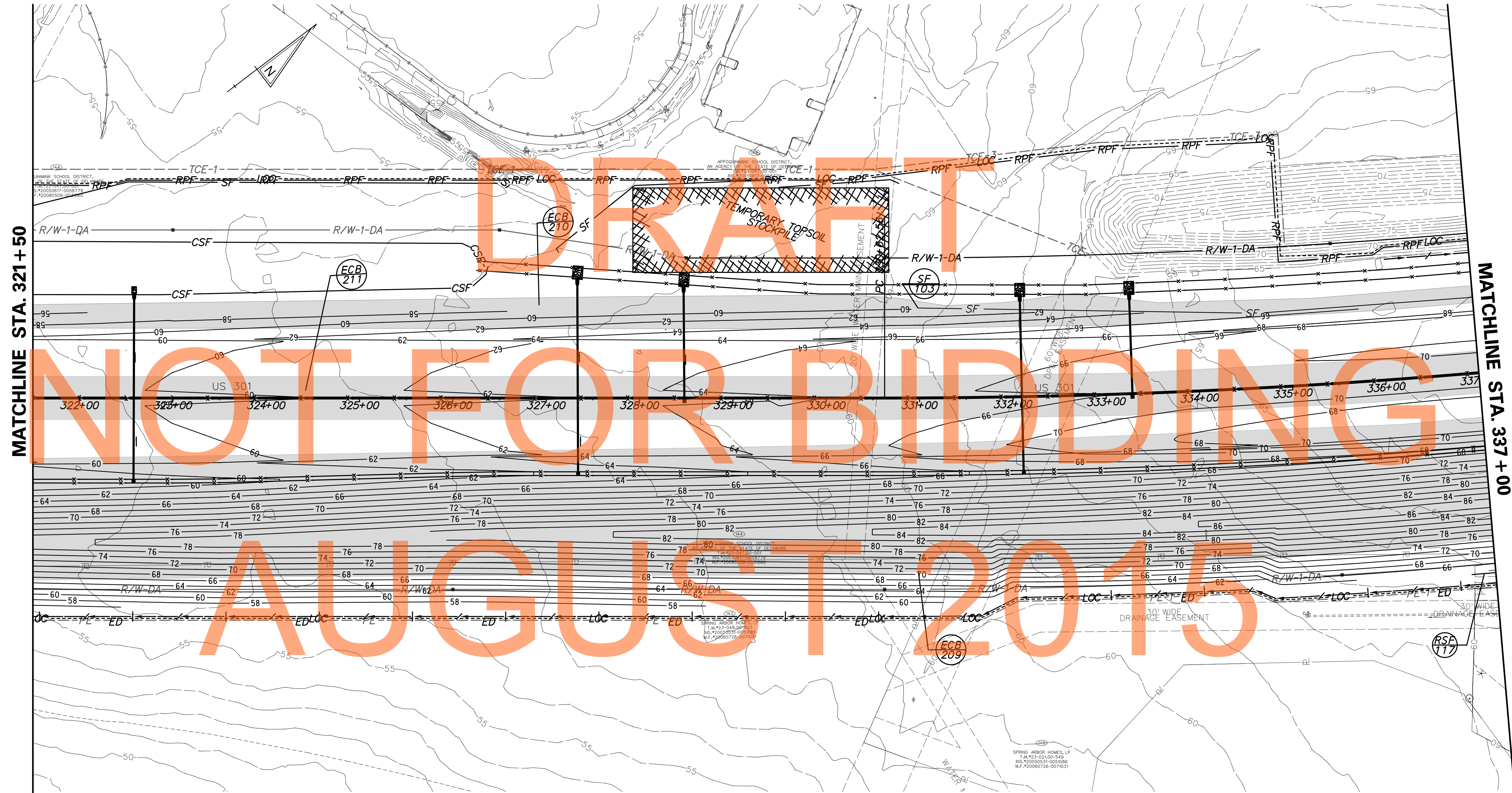


| EROSION CONTROL BLANKET | | | | |
|-------------------------|-------|---------|--------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 209 | 23416 | 1550 LF | 145 LF | 3 |
| 210 | 4833 | 1550 LF | 30 LF | 3 |
| 211 | 7880 | 1550 LF | 50 LF | 2 |

| REINFORCED SILT FENCE | | | |
|-----------------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 117 | 336+79 | 337+00 | 26 LF |

| SILT FENCE | | | |
|------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 103 | 331+00 | 337+00 | 595 LF |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|-------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 38884 | SY |



MATCHLINE STA. 321 + 50

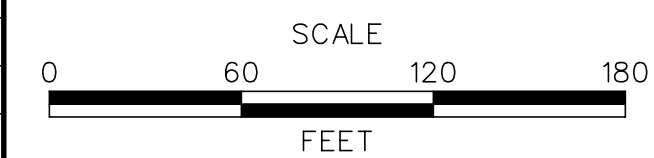
MATCHLINE STA. 337 + 00

NOTE:
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| ADDENDUMS / REVISIONS | |
|-----------------------|--|
| | |
| | |
| | |



**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T200911303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

**CONSTRUCTION PHASING,
 M.O.T., AND EROSION
 CONTROL PLAN - STAGE 2**

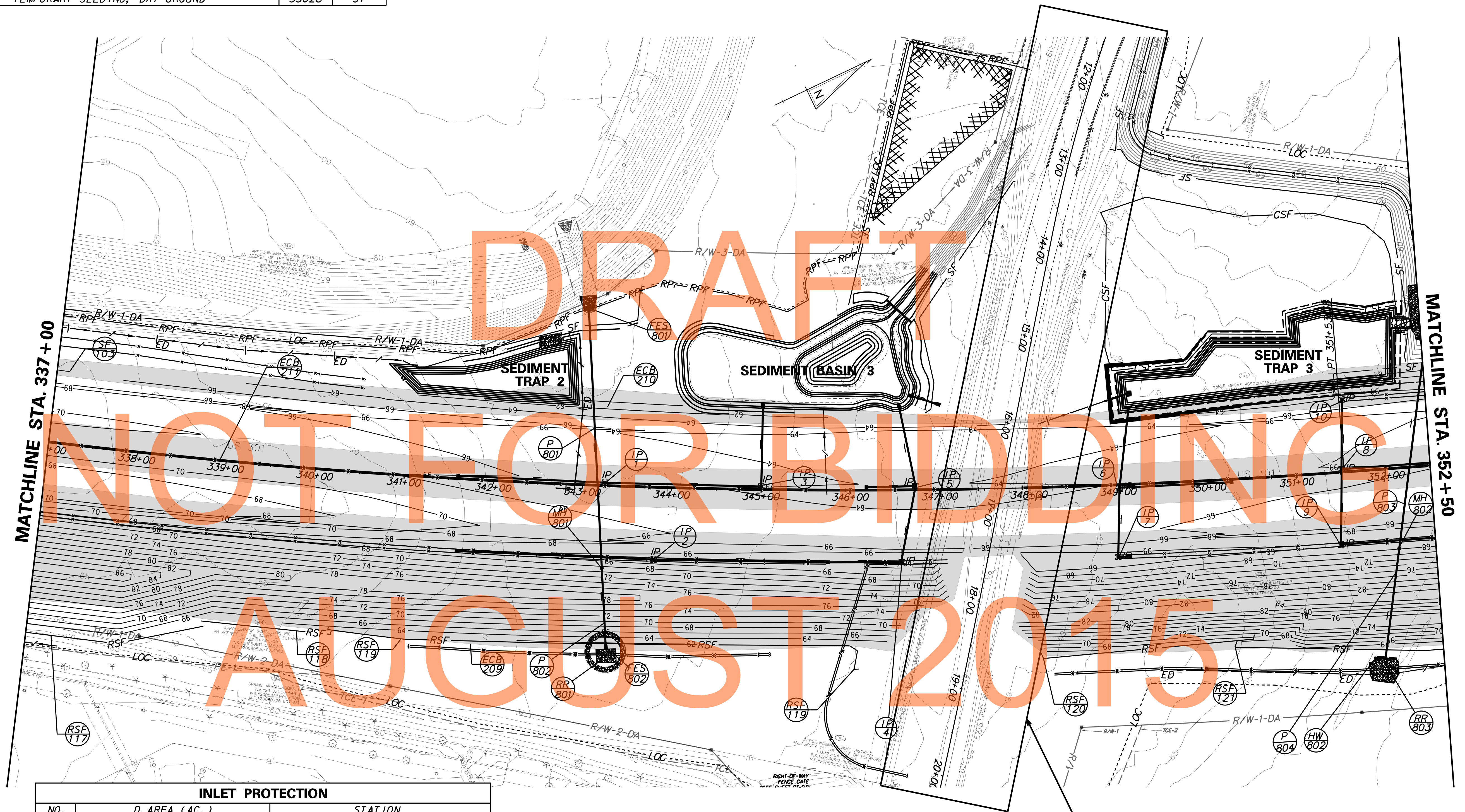
| |
|-------------|
| CS-30 |
| SHEET NO. |
| 891 |
| TOTAL SHTS. |
| 1256 |

| SILT FENCE | | | |
|------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 103 | 337+00 | 337+14 | 14 LF |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|-------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 35628 | SY |

| REINFORCED SILT FENCE | | | |
|-----------------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 117 | 337+00 | 338+94 | 202 LF |
| 118 | 338+94 | 340+31 | 150 LF |
| 119 | 340+28 | 346+09 | 625 LF |
| 120 | 348+08 | 350+42 | 249 LF |
| 121 | 350+20 | 352+50 | 242 LF |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|-------|---------|--------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 209 | 22364 | 1550 LF | 145 LF | 3 |
| 210 | 3865 | 1550 LF | 50 LF | 3 |
| 211 | 7876 | 1550 LF | 60 LF | 2 |



| INLET PROTECTION | | |
|------------------|---------------|------------|
| NO. | D. AREA (AC.) | STATION |
| 1 | 1.14 | 343+24, ME |
| 2 | 1.18 | 343+82, RT |
| 3 | 0.27 | 345+00, ME |
| 4 | 0.22 | 346+57, RT |
| 5 | 0.45 | 346+74, ME |
| 6 | 0.70 | 349+00, ME |
| 7 | 0.50 | 349+00, RT |
| 8 | 1.52 | 351+50, ME |
| 9 | 3.18 | 351+50, RT |
| 10 | 1.09 | 351+50, LT |

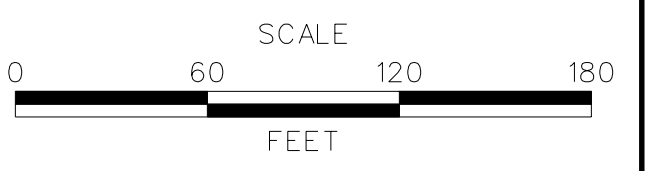
NOTE:
 FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

REFER TO BUNKER HILL ROAD, CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLANS

P:\CADD\26049040_US301\CIVIL\PLANS\2A_CPA\AET_CS-31.DGN



| ADDENDUMS / REVISIONS |
|-----------------------|
| |
| |
| |



**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

| | | |
|-----------------------|-------------------|--------------------|
| CONTRACT T20091303 | BRIDGE NO. | DESIGNED BY: JW |
| COUNTY NEW CASTLE | CHECKED BY: SF | |

**CONSTRUCTION PHASING,
 M.O.T., AND EROSION
 CONTROL PLAN - STAGE 2**

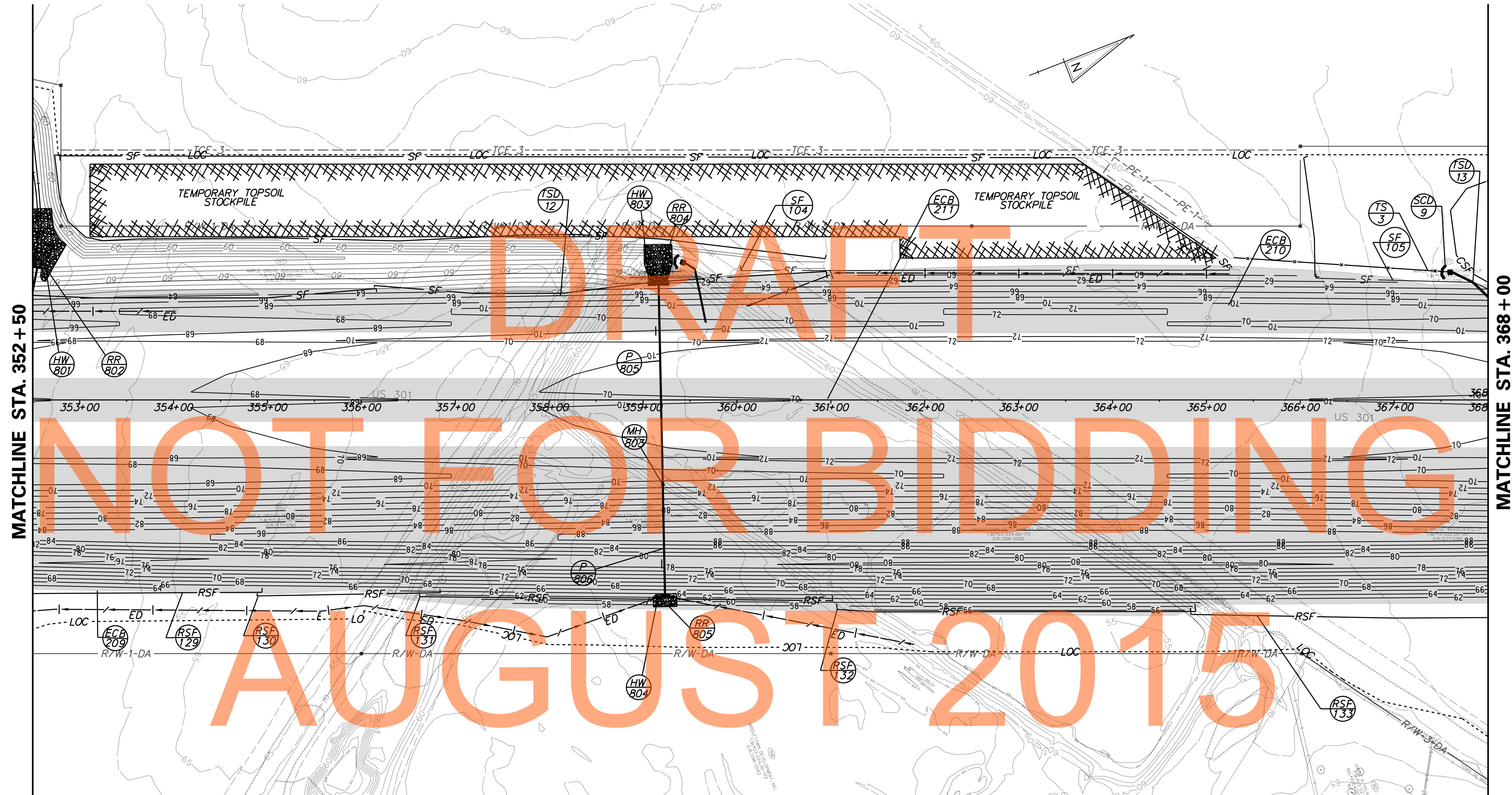
| |
|---------------------|
| CS-31 |
| SHEET NO. 892 |
| TOTAL SHTS. 1256 |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|-------|---------|--------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 209 | 28920 | 1550 LF | 145 LF | 3 |
| 210 | 10000 | 1550 LF | 50 LF | 3 |
| 211 | 7920 | 1550 LF | 60 LF | 2 |

| REINFORCED SILT FENCE | | | |
|-----------------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 129 | 352+50 | 354+94 | 249 LF |
| 130 | 354+89 | 356+84 | 202 LF |
| 131 | 356+62 | 361+02 | 454 LF |
| 132 | 361+06 | 364+89 | 396 LF |
| 133 | 364+83 | 368+00 | 323 LF |

| SILT FENCE | | | |
|------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 104 | 360+04 | 365+25 | 530 LF |
| 105 | 366+17 | 368+00 | 190 LF |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|-------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 46840 | SY |



| TEMPORARY SLOPE DRAIN | | | |
|-----------------------|-----------|--------|------|
| NO. | PIPE SIZE | LENGTH | DA |
| 12 | 21" | 70 | 2.00 |
| 13 | 18" | 90 | 0.96 |

| TEMPORARY SWALE | | | | |
|-----------------|------|----|----|-----------|
| NO. | TYPE | b | d | QTY. (LF) |
| 3 | A | 4' | 1' | 233 |

| STONE CHECK DAM | | | | |
|-----------------|--------|--------|------|-------|
| NO. | LENGTH | HEIGHT | QTY. | UNITS |
| 9 | 20 LF | 2' | 5 | TON |

NOTE:
 FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

P:\CADD\260049040 US 301 CIVIL PLANS\2A CPA\ET CS-32.DGN

| | | | | | | | | |
|--|--|-----------------------|--|---|------------------------|--------------------|---|-------------------|
| | DELAWARE DEPARTMENT OF TRANSPORTATION | ADDENDUMS / REVISIONS | | US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD | CONTRACT T200911303 | BRIDGE NO. | CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - STAGE 2 | SHEET NO. 893 |
| | | | | | COUNTY NEW CASTLE | DESIGNED BY: JW | | CHECKED BY: SF |

| SILT FENCE | | | |
|------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 105 | 368+00 | 371+33 | 349 LF |
| 106 | 371+32 | 376+58 | 529 LF |
| 107 | 380+29 | 383+50 | 337 LF |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|------|---------|-------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 210 | 8260 | 1550 LF | 83 LF | 3 |
| 211 | 3575 | 1550 LF | 70 LF | 2 |

| INLET PROTECTION | | |
|------------------|---------------|-----------|
| NO. | D. AREA (AC.) | STATION |
| 11 | 0.90 | 375+85 LT |
| 12 | 0.90 | 377+00 LT |
| 13 | 0.90 | 378+11 LT |
| 14 | 0.46 | 381+10 LT |
| 15 | 0.50 | 375+85 ME |
| 16 | 0.25 | 377+00 ME |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|-------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 22017 | SY |

MATCHLINE STA. 368 + 00

MATCHLINE STA. 383 + 50



MATCHLINE SHEET 895

| TEMPORARY SLOPE DRAIN | | | |
|-----------------------|-----------|--------|------|
| NO. | PIPE SIZE | LENGTH | DA |
| 14 | 21" | 65 LF | 1.70 |

NOTE:
 FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

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| | | | | | | | | |
|--|--|-----------------------|--|--|-----------------------|--------------------|--|-------------------|
| | DELAWARE DEPARTMENT OF TRANSPORTATION | ADDENDUMS / REVISIONS | | US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD | CONTRACT T20091303 | BRIDGE NO. | CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - STAGE 2 | SHEET NO. 894 |
| | | | | | COUNTY NEW CASTLE | DESIGNED BY: JW | | CHECKED BY: SF |

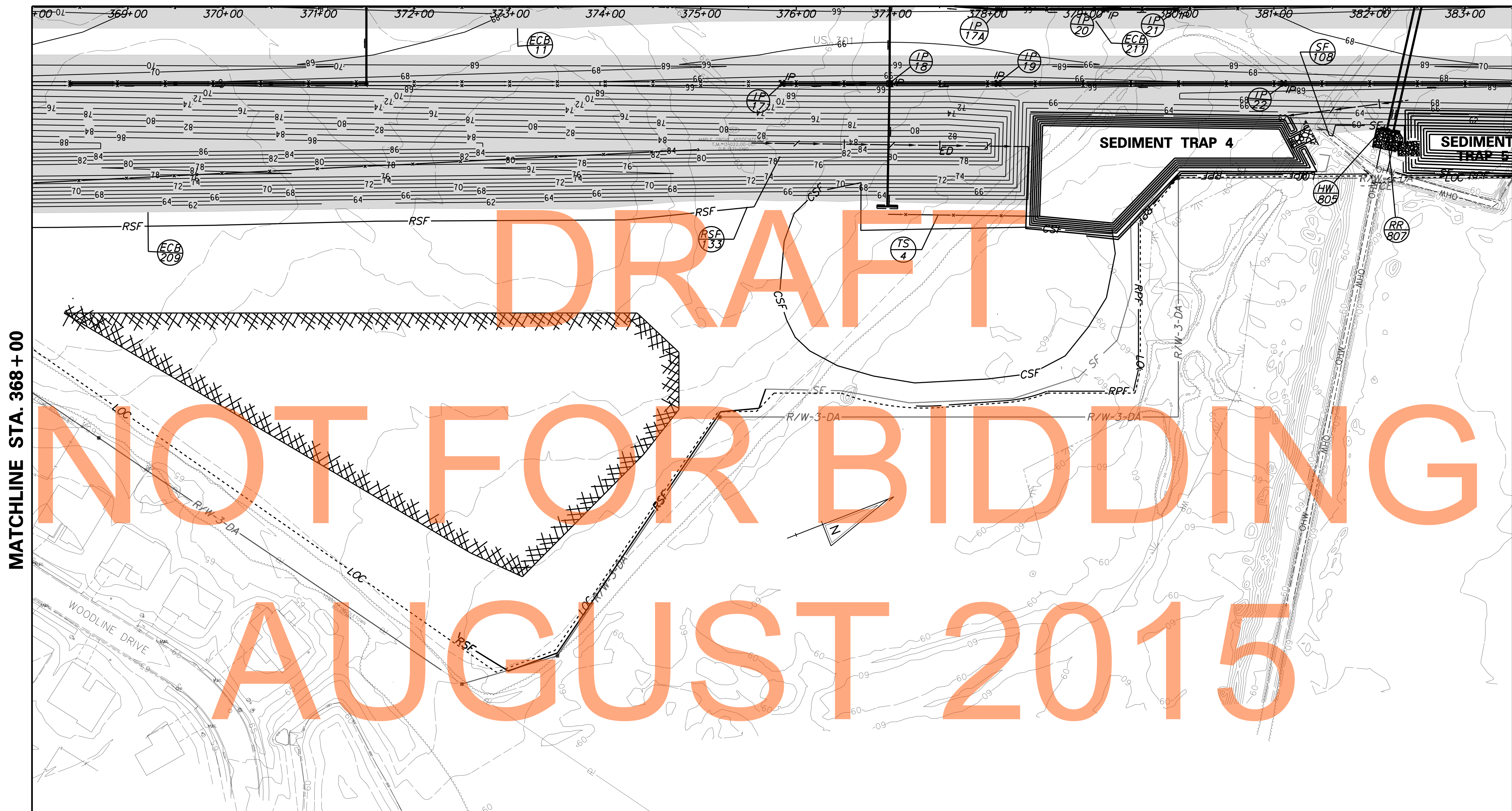
| EROSION CONTROL BLANKET | | | | |
|-------------------------|-------|---------|--------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 209 | 22620 | 1550 LF | 160 LF | 3 |
| 211 | 3550 | 1550 LF | 52 LF | 2 |

| SILT FENCE | | | |
|------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 108 | 381+57 | 382+40 | 110 LF |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|-------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 37241 | SY |

| REINFORCED SILT FENCE | | | |
|-----------------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 133 | 368+00 | 375+83 | 817 LF |

MATCHLINE SHEET 894



MATCHLINE STA. 368+00

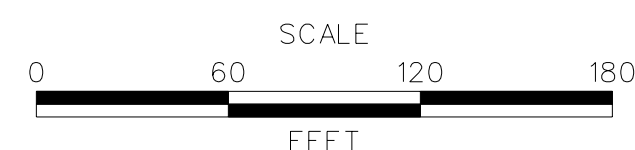
MATCHLINE STA. 383+50

| TEMPORARY SWALE | | | | |
|-----------------|------|----|----|-----------|
| NO. | TYPE | b | d | QTY. (LF) |
| 4 | A | 4' | 1' | 159 |

NOTE:
FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

| INLET PROTECTION | | |
|------------------|---------------|------------|
| NO. | D. AREA (AC.) | STATION |
| 17 | 1.19 | 375+83, RT |
| 17A | 0.13 | 378+12, ME |
| 18 | 0.40 | 377+00, RT |
| 19 | 0.55 | 378+00, RT |
| 20 | 0.31 | 379+24, ME |
| 21 | 1.50 | 380+00, ME |
| 22 | 0.46 | 381+10, RT |

ADDENDUMS / REVISIONS



US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T20091303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - STAGE 2

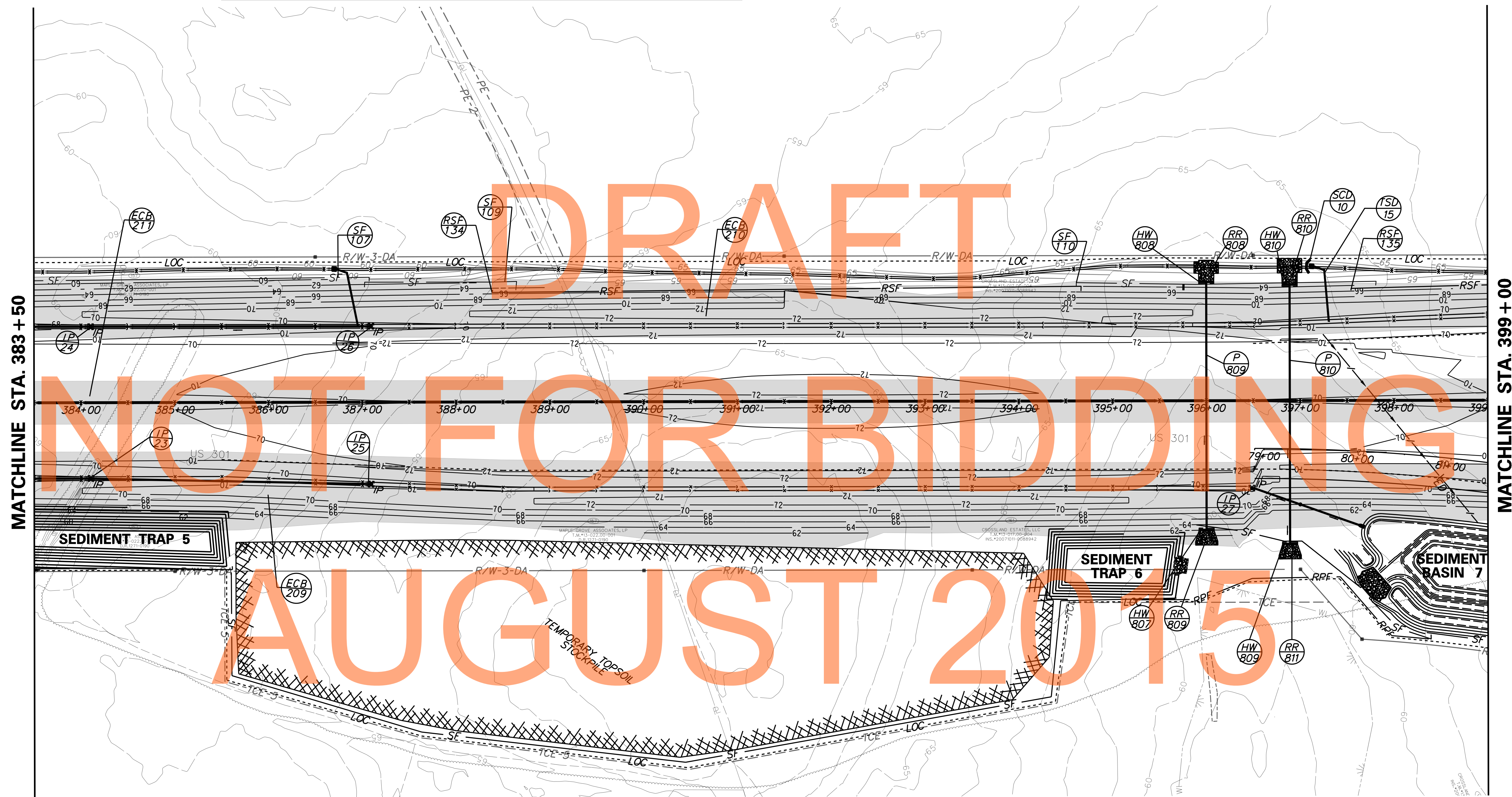
| |
|-------------|
| CS-34 |
| SHEET NO. |
| 895 |
| TOTAL SHTS. |
| 1256 |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|-------|---------|-------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 209 | 13500 | 1550 LF | 92 LF | 3 |
| 210 | 9940 | 1550 LF | 50 LF | 3 |
| 211 | 7925 | 1550 LF | 60 LF | 2 |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|-------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 49835 | SY |

| REINFORCED SILT FENCE | | | |
|-----------------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 134 | 388+39 | 394+67 | 636 LF |
| 135 | 397+55 | 399+00 | 148 LF |

| SILT FENCE | | | |
|------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 107 | 383+50 | 387+08 | 362 LF |
| 109 | 387+03 | 388+65 | 177 LF |
| 110 | 394+62 | 397+82 | 328 LF |



MATCHLINE STA. 383 + 50

MATCHLINE STA. 399 + 00

| INLET PROTECTION | | |
|------------------|---------------|------------|
| NO. | D. AREA (AC.) | STATION |
| 23 | 0.50 | 384+12, RT |
| 24 | 0.47 | 384+12, LT |
| 25 | 0.83 | 387+10, RT |
| 26 | 0.74 | 387+10, LT |
| 27 | 0.93 | 396+49, RT |

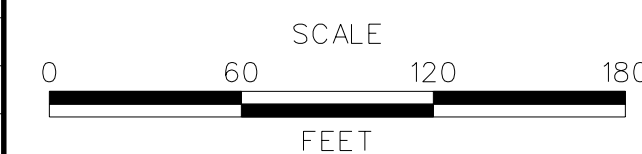
NOTE:
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| STONE CHECK DAM | | | | |
|-----------------|--------|--------|------|-------|
| NO. | LENGTH | HEIGHT | QTY. | UNITS |
| 10 | 20 LF | 2' | 5 | TON |

| TEMPORARY SLOPE DRAIN | | | |
|-----------------------|-----------|--------|---------|
| NO. | PIPE SIZE | LENGTH | DA |
| 15 | 18" | 66 LF | 1.00 AC |

| TEMPORARY SEDIMENT BASIN | | | | | | | |
|--------------------------|---------|--------|-------|-------|-----------|----------|-----------|
| NO. | D. AREA | LENGTH | WIDTH | DEPTH | OUT. TYPE | OUT. EL. | CLEAN EL. |
| 7 | 16.6 | 480 | 110 | 5 | TSB | 62.2 | 61.5 |

ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T200911303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - STAGE 2**

| |
|-------------|
| CS-35 |
| SHEET NO. |
| 896 |
| TOTAL SHTS. |
| 1256 |

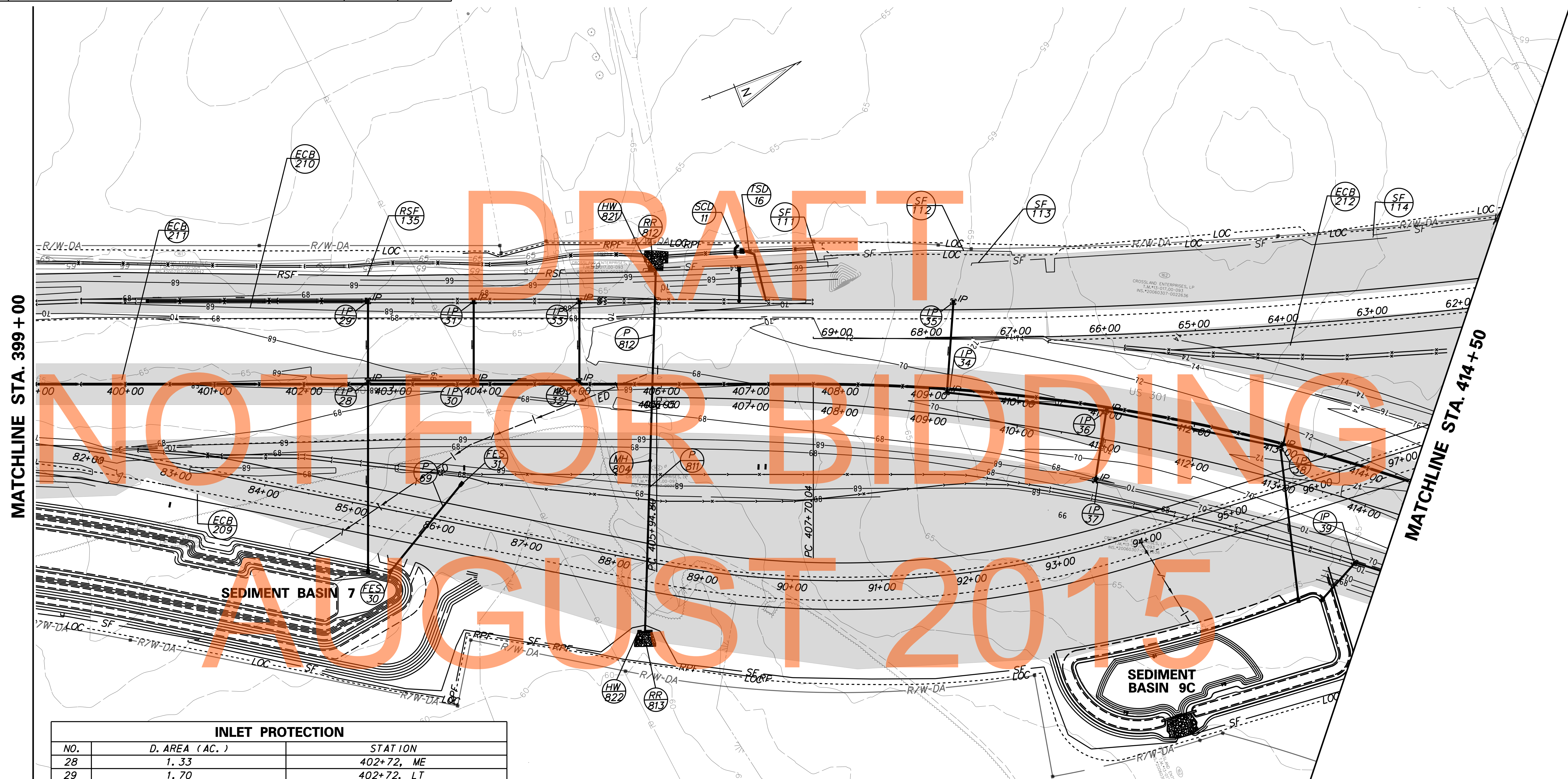
| EROSION CONTROL BLANKET | | | | |
|-------------------------|-------|---------|--------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 209 | 26770 | 1550 LF | 160 LF | 3 |
| 210 | 10275 | 1550 LF | 60 LF | 3 |
| 211 | 9380 | 1550 LF | 60 LF | 2 |
| 212 | 3080 | 420 LF | 120 LF | 3 |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|-------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 49505 | SY |

NOTE:
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| SILT FENCE | | | |
|------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 111 | 405+81 | 407+85 | 215 LF |
| 112 | 407+81 | 409+77 | 219 LF |
| 113 | 409+36 | 413+51 | 471 LF |
| 114 | 413+37 | 414+50 | 145 LF |

| REINFORCED SILT FENCE | | | |
|-----------------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 135 | 399+00 | 405+92 | 696 LF |



MATCHLINE STA. 399 + 00

MATCHLINE STA. 414 + 50

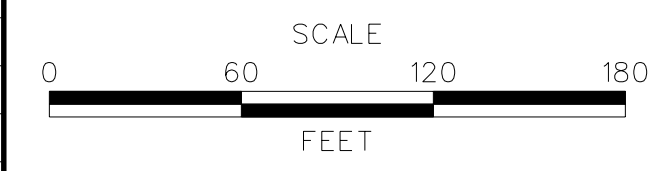
| INLET PROTECTION | | |
|------------------|---------------|------------|
| NO. | D. AREA (AC.) | STATION |
| 28 | 1.33 | 402+72, ME |
| 29 | 1.70 | 402+72, LT |
| 30 | 0.29 | 403+90, ME |
| 31 | 0.41 | 403+90, LT |
| 32 | 0.84 | 405+08, ME |
| 33 | 0.46 | 405+08, LT |
| 34 | 0.41 | 409+21, ME |
| 35 | 0.54 | 409+21, LT |
| 36 | 0.46 | 411+00, ME |
| 37 | 0.86 | 411+00, LT |
| 38 | 0.92 | 413+00, ME |
| 39 | 0.11 | 414+08, RT |

| STONE CHECK DAM | | | | |
|-----------------|--------|--------|------|-------|
| NO. | LENGTH | HEIGHT | QTY. | UNITS |
| 11 | 20 LF | 2' | 5 | TON |

| TEMPORARY SLOPE DRAIN | | | |
|-----------------------|-----------|--------|---------|
| NO. | PIPE SIZE | LENGTH | DA |
| 16 | 12" | 67 LF | 0.50 AC |

| TEMPORARY SEDIMENT BASIN | | | | | | | |
|--------------------------|---------|--------|-------|-------|-----------|----------|-----------|
| NO. | D. AREA | LENGTH | WIDTH | DEPTH | OUT. TYPE | OUT. EL. | CLEAN EL. |
| 9C | 4.6 | 125 | 330 | 3.5 | TSB | 64.5 | 64.0 |

ADDENDUMS / REVISIONS



**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T200911303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

**CONSTRUCTION PHASING,
 M.O.T., AND EROSION
 CONTROL PLAN - STAGE 2**

| |
|-------------|
| CS-36 |
| SHEET NO. |
| 897 |
| TOTAL SHTS. |
| 1256 |



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| TEMPORARY SEDIMENT BASIN | | | | | | | |
|--------------------------|---------|--------|-------|-------|-----------|----------|-----------|
| NO. | D. AREA | LENGTH | WIDTH | DEPTH | OUT. TYPE | OUT. EL. | CLEAN EL. |
| 10 | 13.9 | 575 | 308 | 5 | TSB | 67.1 | 66.6 |

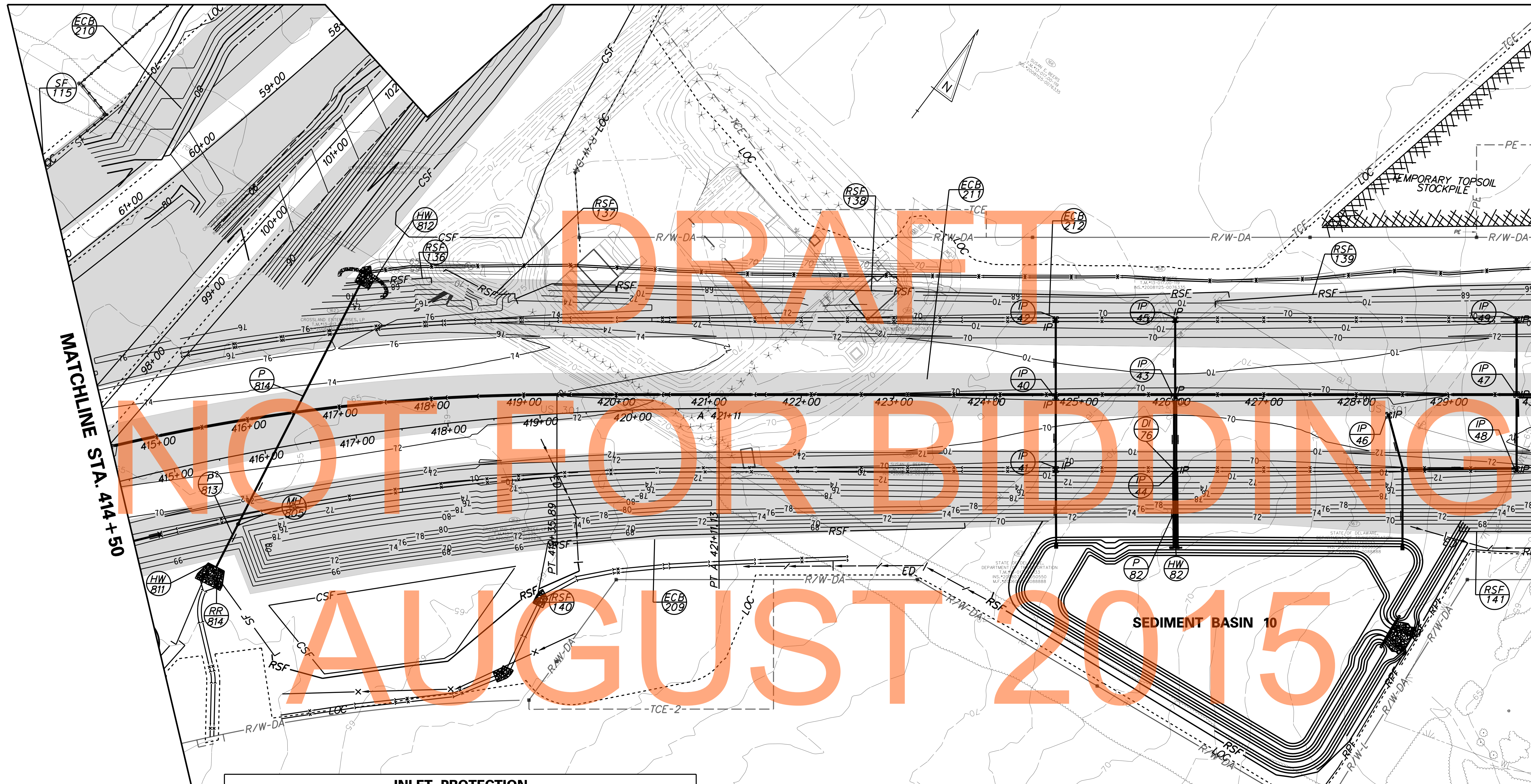
SEE STKP-5 THRU STKP-10
FOR SPUR ROAD, GRADING
AND E&S CONTROLS

| REINFORCED SILT FENCE | | | |
|-----------------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 136 | 417+21 | 418+08 | 99 LF |
| 137 | 418+21 | 418+95 | 91 LF |
| 138 | 418+94 | 426+63 | 786 LF |
| 139 | 426+48 | 430+00 | 360 LF |
| 140 | 418+98 | 423+77 | 461 LF |
| 141 | 429+11 | 430+00 | 96 LF |

| SILT FENCE | | | |
|------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 115 | 414+50 | 416+45 | 273 LF |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|-------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 47839 | SY |

MATCHLINE SHEET 899

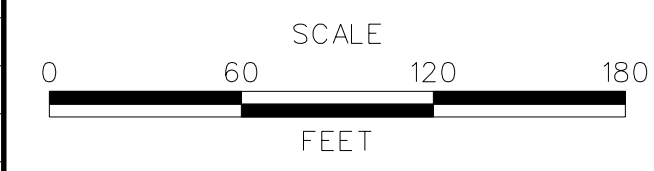


| INLET PROTECTION | | |
|------------------|---------------|------------|
| NO. | D. AREA (AC.) | STATION |
| 40 | 1.30 | 424+76, ME |
| 41 | 0.50 | 424+76, RT |
| 42 | 0.88 | 424+76, LT |
| 43 | 0.43 | 426+05, ME |
| 44 | 0.90 | 426+05, RT |
| 45 | 0.73 | 426+05, LE |
| 46 | 0.74 | 428+36, ME |
| 47 | 0.60 | 429+74, ME |
| 48 | 0.43 | 429+74, RT |
| 49 | 0.47 | 429+74, LT |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|-------|---------|--------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 209 | 15100 | 1580 LF | 107 LF | 3 |
| 210 | 2697 | 379 LF | 75 LF | 3 |
| 211 | 8860 | 1580 LF | 60 LF | 2 |
| 212 | 18422 | 1580 LF | 80 LF | 3 |

NOTE:
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ADDENDUMS / REVISIONS



US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T20091303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - STAGE 2

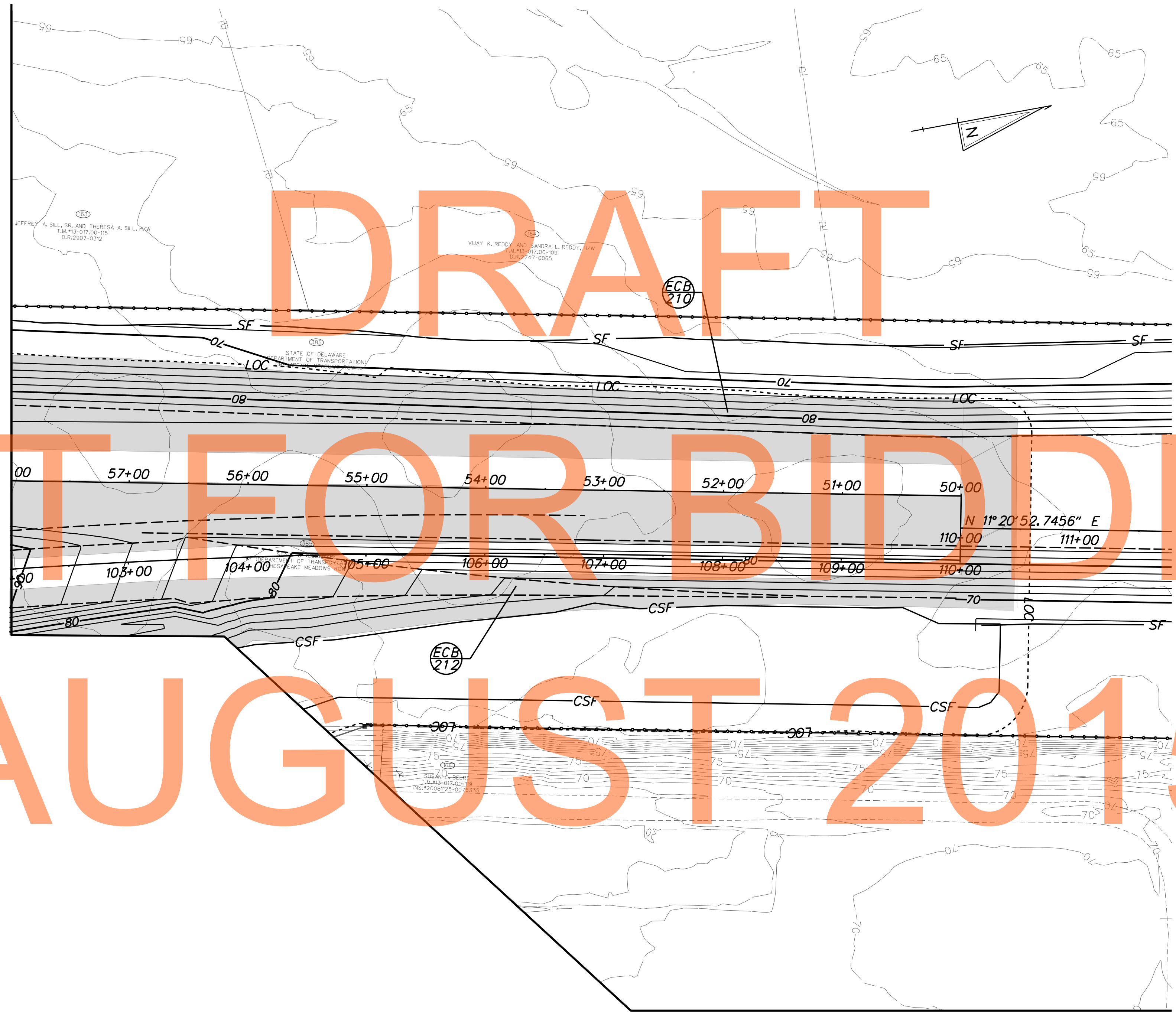
| |
|-------------|
| CS-37 |
| SHEET NO. |
| 898 |
| TOTAL SHTS. |
| 1256 |

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| EROSION CONTROL BLANKET | | | | |
|-------------------------|------|--------|-------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 210 | 5973 | 850 LF | 65 LF | 3 |
| 212 | 8397 | 850 LF | 75 LF | 3 |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|-------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 14370 | SY |

MATCHLINE SHEET 898



SEE STKP-5 THRU STKP-10 FOR SPUR ROAD, GRADING AND E&S CONTROLS

DRAFT
NOT FOR BIDDING
AUGUST 2015

MATCHLINE SHEET 898

NOTE:
FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

P:\CADD\260049040 US301\CIVIL\PLANS\2A\CP\MET\CS-38.DGN

| | | | | | | | |
|--|-----------------------|--|---|------------------------|----------------------|---|--------------------|
| DELAWARE DEPARTMENT OF TRANSPORTATION | ADDENDUMS / REVISIONS | SCALE 0 60 120 180 FEET | US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD | CONTRACT T200911303 | BRIDGE NO. | CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - STAGE 2 | SHEET NO. 899 |
| | | | | | COUNTY NEW CASTLE | | DESIGNED BY: JW |

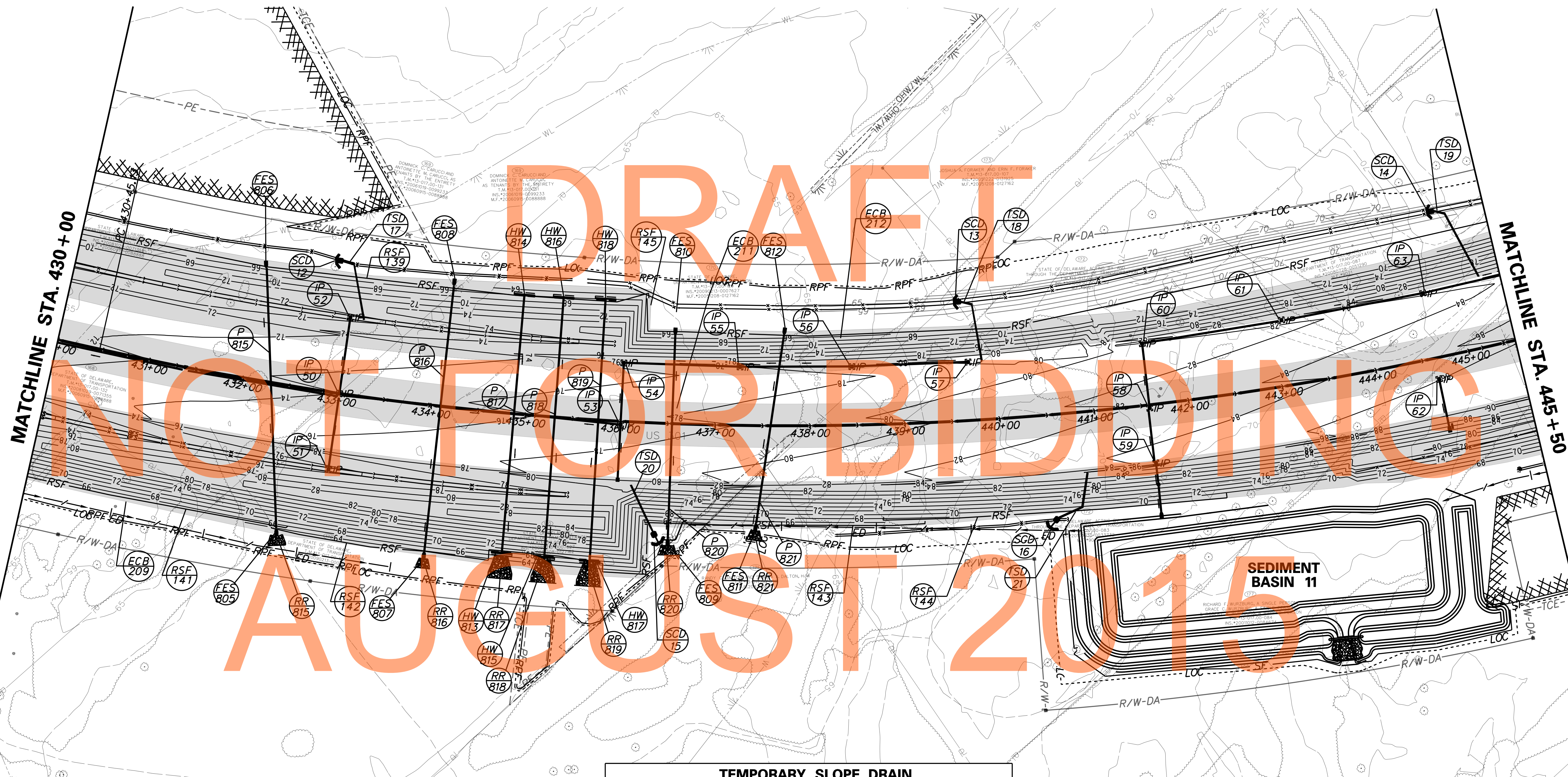
CS-38
SHEET NO.
899
TOTAL SHTS.
1256

| REINFORCED SILT FENCE | | | |
|-----------------------|--------------|------------|---------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 139 | 430+00 | 436+25 | 609 LF |
| 141 | 430+00 | 432+71 | 281 LF |
| 142 | 432+55 | 436+34 | 476 LF |
| 143 | 436+32 | 439+18 | 302 LF |
| 144 | 438+75 | 442+27 | 372 LF |
| 145 | 436+26 | 445+50 | 1371 LF |

| STONE CHECK DAM | | | | |
|-----------------|--------|--------|------|-------|
| NO. | LENGTH | HEIGHT | QTY. | UNITS |
| 12 | 20 LF | 2' | 5 | TON |
| 13 | 20 LF | 2' | 5 | TON |
| 14 | 20 LF | 2' | 5 | TON |
| 15 | 20 LF | 2' | 5 | TON |
| 16 | 20 LF | 2' | 5 | TON |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|-------|---------|--------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 209 | 12500 | 1590 LF | 115 LF | 3 |
| 211 | 7925 | 1563 LF | 115 LF | 3 |
| 212 | 9215 | 1563 LF | 60 LF | 2 |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|-------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 36840 | SY |



| INLET PROTECTION | | |
|------------------|---------------|------------|
| NO. | D. AREA (AC.) | STATION |
| 50 | 0.53 | 433+00, ME |
| 51 | 0.50 | 433+00, RT |
| 52 | 0.43 | 433+00, LT |
| 53 | 1.00 | 436+00, ME |
| 54 | 0.11 | 436+00, LT |
| 55 | 0.10 | 437+26, LT |
| 56 | 0.10 | 438+46, LT |

| TEMPORARY SLOPE DRAIN | | | |
|-----------------------|-----------|--------|---------|
| NO. | PIPE SIZE | LENGTH | DA |
| 17 | 18" | 75 LF | 0.70 AC |
| 18 | 21" | 70 LF | 1.70 AC |
| 19 | 18" | 90 LF | 1.30 AC |
| 20 | 18" | 55 LF | 0.70 AC |
| 21 | 12" | 65 LF | 0.50 AC |

NOTE:
 FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

| INLET PROTECTION | | |
|------------------|---------------|------------|
| NO. | D. AREA (AC.) | STATION |
| 57 | 0.16 | 439+71, LT |
| 58 | 0.54 | 441+59, ME |
| 59 | 0.15 | 441+59, RT |
| 60 | 0.14 | 441+59, LT |
| 61 | 0.16 | 443+11, LT |
| 62 | 0.85 | 444+64, ME |
| 63 | 0.16 | 444+64, LT |

ADDENDUMS / REVISIONS



US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD

| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T20091303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

CONSTRUCTION PHASING,
 M.O.T., AND EROSION
 CONTROL PLAN - STAGE 2

| |
|-------------|
| CS-39 |
| SHEET NO. |
| 900 |
| TOTAL SHTS. |
| 1256 |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|------|--------|--------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 209 | 3860 | 500 LF | 60 LF | 3 |
| 211 | 2150 | 500 LF | 60 LF | 2 |
| 212 | 2480 | 500 LF | 60 LF | 3 |
| 213 | 5115 | 800 LF | 60 LF | 3 |
| 214 | 4950 | 800 LF | 60 LF | 2 |
| 215 | 5175 | 800 LF | 60 LF | 3 |
| 216 | 3225 | 660 LF | 120 LF | 3 |
| 217 | 3360 | 660 LF | 120 LF | 3 |

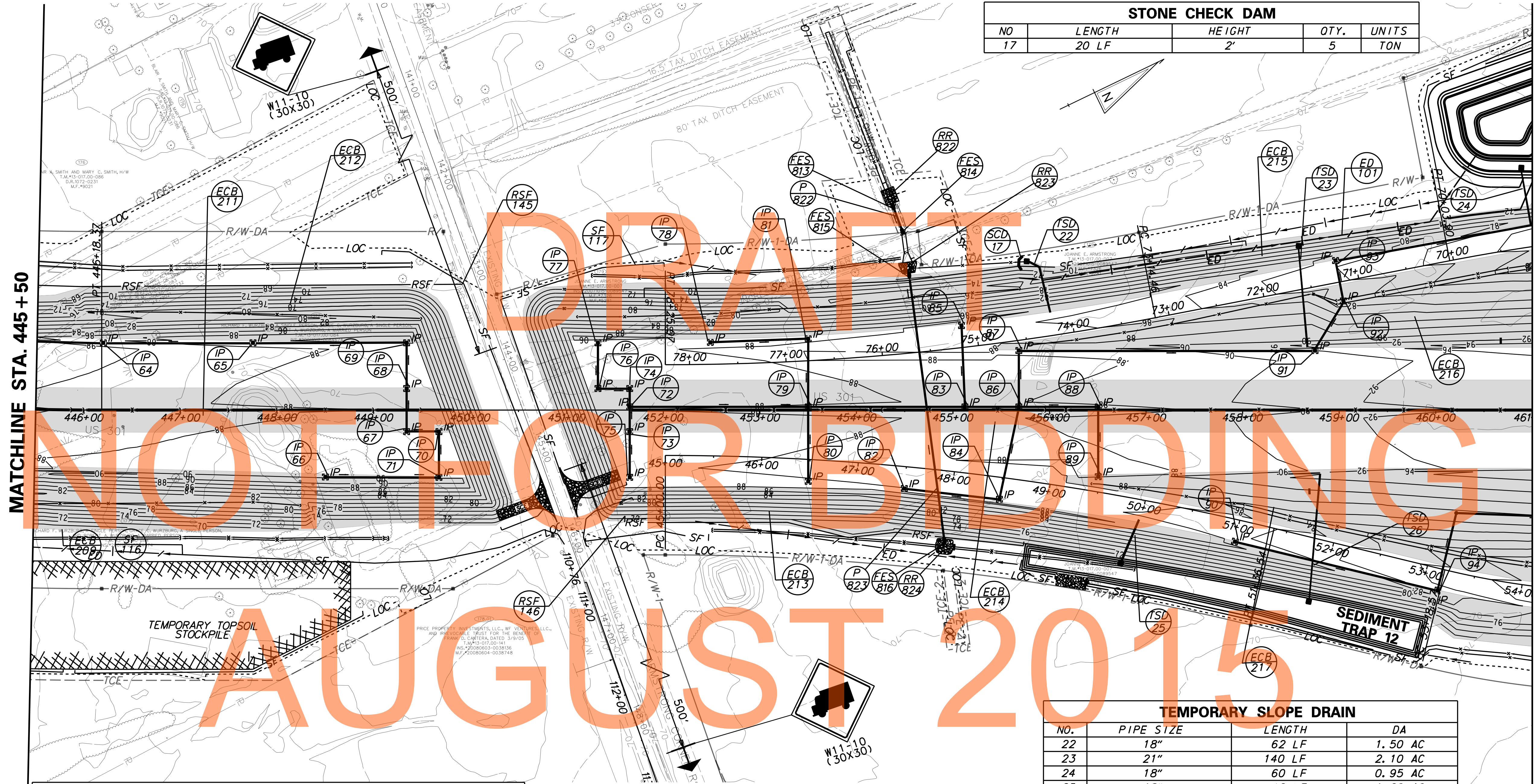
| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|-------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 34125 | SY |

| SILT FENCE | | | |
|------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 116 | 447+00 | 450+84 | 407 LF |
| 117 | 452+05 | 458+04 | 641 LF |

| EARTH DIKE | | | |
|------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 101 | 455+68 | 460+42 | 516 LF |

| REINFORCED SILT FENCE | | | |
|-----------------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 145 | 445+50 | 449+90 | 439 LF |
| 146 | 451+60 | 455+73 | 427 LF |

| STONE CHECK DAM | | | | |
|-----------------|--------|--------|------|-------|
| NO | LENGTH | HEIGHT | QTY. | UNITS |
| 17 | 20 LF | 2' | 5 | TON |



MATCHLINE STA. 445+50

MATCHLINE STA. 461+00

| INLET PROTECTION | | |
|------------------|--------------|------------|
| NO. | D. AREA (AC) | STATION |
| 64 | 0.15 | 446+19, LT |
| 65 | 0.16 | 447+76, LT |
| 66 | 0.03 | 448+50, RT |
| 67 | 0.04 | 449+35, ME |
| 68 | 0.02 | 449+35, ME |
| 69 | 0.10 | 449+35, LT |
| 70 | 0.04 | 449+69, ME |
| 71 | 0.16 | 449+69, RT |
| 72 | 0.12 | 451+66, ME |
| 73 | 0.02 | 451+66, ME |
| 74 | 0.01 | 451+66, ME |
| 75 | 0.13 | 451+66, RT |

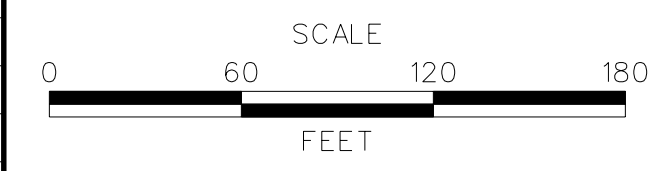
| INLET PROTECTION | | |
|------------------|--------------|------------|
| NO. | D. AREA (AC) | STATION |
| 76 | 0.02 | 451+33, ME |
| 77 | 0.10 | 451+33, LT |
| 78 | 0.11 | 77+79, RT |
| 79 | 0.22 | 453+50, ME |
| 80 | 0.19 | 46+50, RT |
| 81 | 0.11 | 76+77, RT |
| 82 | 0.12 | 47+50, RT |
| 83 | 0.27 | 455+13, ME |
| 84 | 0.17 | 481+50, RT |
| 85 | 0.21 | 75+16, RT |

| TEMPORARY SLOPE DRAIN | | | |
|-----------------------|-----------|--------|---------|
| NO. | PIPE SIZE | LENGTH | DA |
| 22 | 18" | 62 LF | 1.50 AC |
| 23 | 21" | 140 LF | 2.10 AC |
| 24 | 18" | 60 LF | 0.95 AC |
| 25 | 18" | 42 LF | 1.20 AC |
| 26 | 18" | 130 LF | 0.90 AC |

| INLET PROTECTION | | |
|------------------|--------------|------------|
| NO. | D. AREA (AC) | STATION |
| 86 | 0.07 | 455+69, ME |
| 87 | 0.63 | 455+69, LT |
| 88 | 0.97 | 456+50, ME |
| 89 | 0.56 | 456+50, RT |
| 90 | 0.11 | 51+00, RT |
| 91 | 0.43 | 458+76, LT |
| 92 | 0.28 | 71+18, LT |
| 93 | 0.19 | 71+18, LT |
| 94 | 0.11 | 53+15, RT |



| ADDENDUMS / REVISIONS | |
|-----------------------|--|
| | |



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

| | | | |
|------------|------------|--------------|----|
| CONTRACT | BRIDGE NO. | DESIGNED BY: | JW |
| T20091303 | | CHECKED BY: | SF |
| COUNTY | | | |
| NEW CASTLE | | | |

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - STAGE 2**

| | | |
|-------|-------------|------|
| CS-40 | SHEET NO. | 901 |
| | TOTAL SHTS. | 1256 |

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| EROSION CONTROL BLANKET | | | | |
|-------------------------|-------|---------|--------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 213 | 1655 | 550 LF | 30 LF | 3 |
| 214 | 1700 | 300 LF | 60 LF | 2 |
| 215 | 5170 | 1600 LF | 30 LF | 3 |
| 216 | 4920 | 360 LF | 120 LF | 3 |
| 217 | 5770 | 360 LF | 120 LF | 3 |
| 218 | 5300 | 1000 LF | 60 LF | 2 |
| 219 | 13200 | 960 LF | 100 LF | 3 |
| 220 | 5560 | 1200 LF | 30 LF | 3 |

| TEMPORARY SWALE | | | | |
|-----------------|------|----|----|-----------|
| NO. | TYPE | b | d | QTY. (LF) |
| 5 | A | 4' | 1' | 147 |

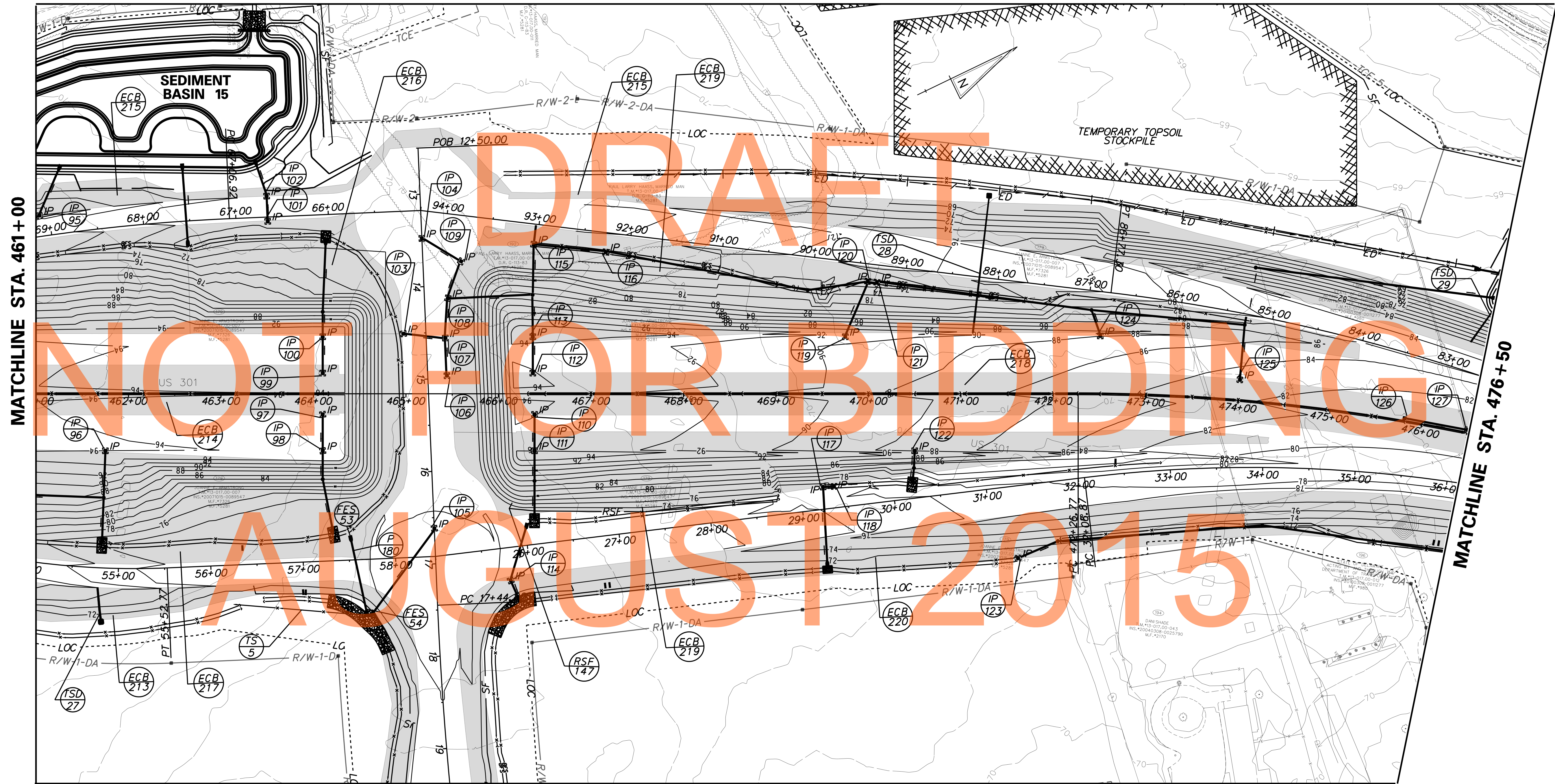
| TEMPORARY SLOPE DRAIN | | | |
|-----------------------|-----------|--------|---------|
| NO. | PIPE SIZE | LENGTH | DA |
| 27 | 18" | 35 LF | 1.10 AC |
| 28 | 18" | 147 LF | 0.80 AC |
| 29 | 12" | 49 LF | 0.50 AC |

| INLET PROTECTION | | |
|------------------|--------------|------------|
| NO. | D. AREA (AC) | STATION |
| 95 | 0.06 | 461+04, LT |
| 96 | 0.16 | 461+75, RT |
| 97 | 0.05 | 461+10, RT |
| 98 | 0.12 | 461+10, RT |
| 99 | 0.05 | 464+10, LT |
| 100 | 0.12 | 464+10, LT |
| 101 | 0.30 | 463+51, LT |
| 102 | 0.06 | 463+49, LT |
| 103 | 0.12 | 464+91, LT |
| 104 | 0.10 | 465+17, LT |
| 105 | 0.26 | 465+30, RT |
| 106 | 0.12 | 465+47, LT |

| INLET PROTECTION | | |
|------------------|--------------|------------|
| NO. | D. AREA (AC) | STATION |
| 107 | 0.04 | 465+40, LT |
| 108 | 0.05 | 465+43, LT |
| 109 | 0.02 | 465+59, LT |
| 110 | 0.02 | 466+39, RT |
| 111 | 0.10 | 466+39, RT |
| 112 | 0.02 | 466+37, LT |
| 113 | 0.10 | 466+37, LT |
| 114 | 0.70 | 466+12, RT |
| 115 | 0.40 | 466+38, LT |
| 116 | 0.62 | 467+16, LT |
| 117 | 0.07 | 469+51, RT |
| 118 | 0.07 | 469+66, RT |

| INLET PROTECTION | | |
|------------------|--------------|------------|
| NO. | D. AREA (AC) | STATION |
| 119 | 0.28 | 469+75, LT |
| 120 | 0.62 | 469+99, LT |
| 121 | 0.84 | 470+09, LT |
| 122 | 0.33 | 470+50, RT |
| 123 | 0.30 | 471+62, RT |
| 124 | 0.09 | 472+50, LT |
| 125 | 0.75 | 474+00, LT |
| 126 | 0.85 | 475+81, LT |
| 127 | 0.44 | 476+50, LT |

MATCHLINE SHEET 903



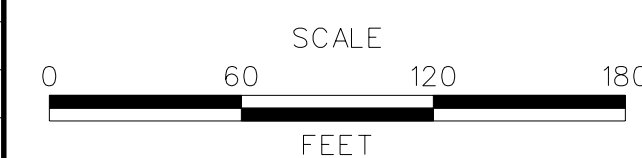
MATCHLINE SHEET 905

NOTE:
FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

| REINFORCED SILT FENCE | | | |
|-----------------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 147 | 466+13 | 469+03 | 304 LF |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|-------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 43275 | SY |

ADDENDUMS / REVISIONS



US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T20091303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - STAGE 2

| |
|-------------|
| CS-41 |
| SHEET NO. |
| 902 |
| TOTAL SHTS. |
| 1256 |

DRAFT
NOT FOR BIDDING
AUGUST 2015



MATCHLINE SHEET 902

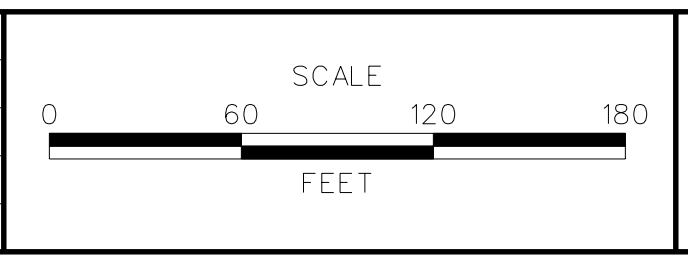
NOTE:
FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 7000 | SY |

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**DELAWARE
DEPARTMENT OF TRANSPORTATION**

| ADDENDUMS / REVISIONS |
|-----------------------|
| |
| |



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

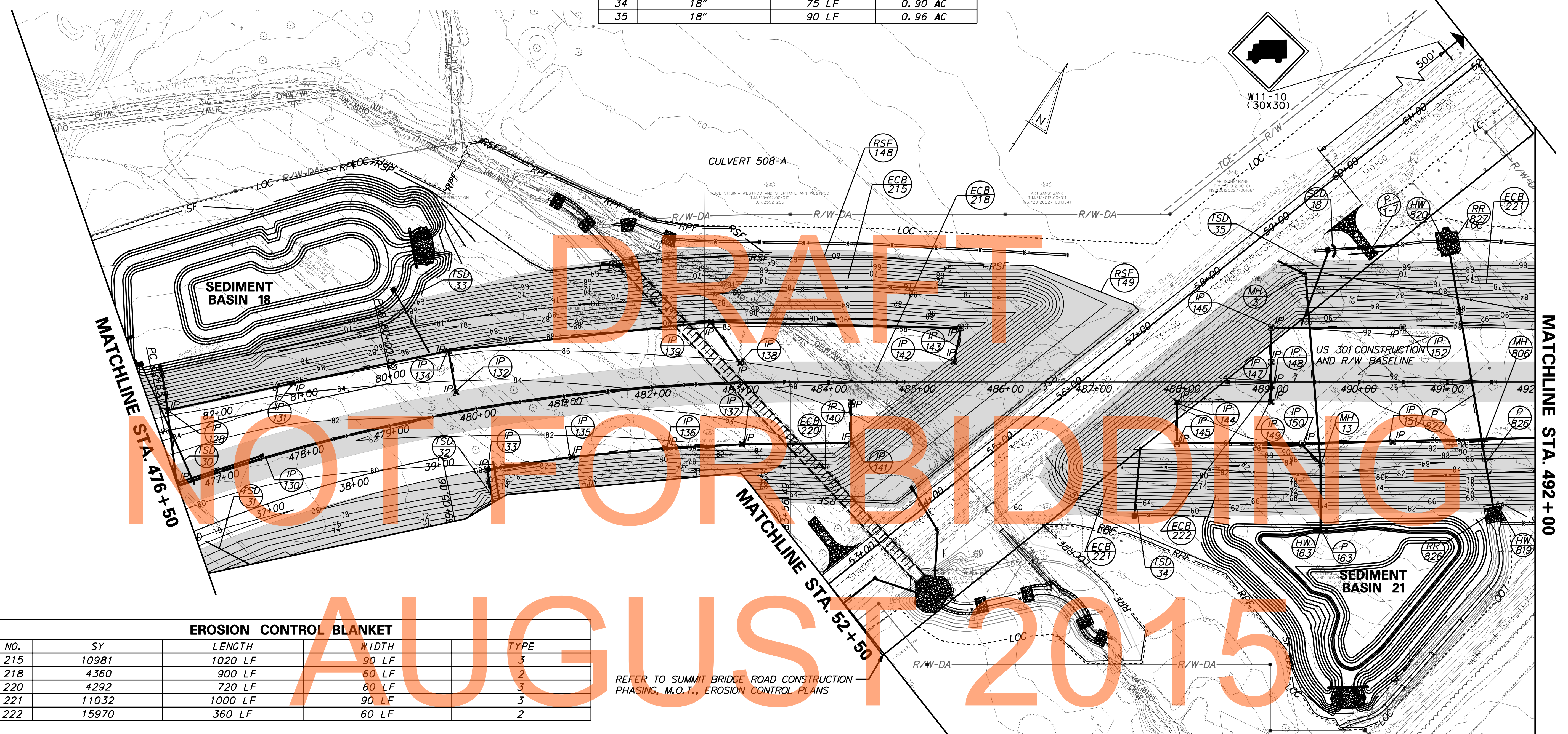
| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T20091303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - STAGE 2**

| |
|---------------------|
| CS-42 |
| SHEET NO. 903 |
| TOTAL SHTS. 1256 |

| TEMPORARY SLOPE DRAIN | | | |
|-----------------------|-----------|--------|---------|
| NO. | PIPE SIZE | LENGTH | DA |
| 30 | 18" | 147 LF | 1.30 AC |
| 31 | 18" | 160 LF | 1.40 AC |
| 32 | 18" | 100 LF | 0.75 AC |
| 33 | 18" | 80 LF | 0.95 AC |
| 34 | 18" | 75 LF | 0.90 AC |
| 35 | 18" | 90 LF | 0.96 AC |

| STONE CHECK DAM | | | | |
|-----------------|--------|--------|------|-------|
| NO. | LENGTH | HEIGHT | QTY. | UNITS |
| 18 | 20 LF | 2' | 5 | TON |



| EROSION CONTROL BLANKET | | | | |
|-------------------------|-------|---------|-------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 215 | 10981 | 1020 LF | 90 LF | 3 |
| 218 | 4360 | 900 LF | 60 LF | 2 |
| 220 | 4292 | 720 LF | 60 LF | 3 |
| 221 | 11032 | 1000 LF | 90 LF | 3 |
| 222 | 15970 | 360 LF | 60 LF | 2 |

| REINFORCED SILT FENCE | | | |
|-----------------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 148 | 483+14 | 485+75 | 274 LF |
| 149 | 483+21 | 487+51 | 693 LF |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|-------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 56678 | SY |

REFER TO SUMMIT BRIDGE ROAD CONSTRUCTION PHASING, M.O.T., EROSION CONTROL PLANS

NOTE:
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| INLET PROTECTION | | |
|------------------|--------------|------------|
| NO. | D. AREA (AC) | STATION |
| 128 | 0.03 | 476+64, LT |
| 130 | 0.50 | 477+51, LT |
| 131 | 0.04 | 478+06, LT |
| 132 | 0.70 | 479+80, LT |
| 133 | 0.10 | 480+00, RT |
| 134 | 0.06 | 479+80, LT |
| 135 | 0.11 | 481+00, RT |
| 136 | 0.10 | 482+10, RT |

| INLET PROTECTION | | |
|------------------|--------------|------------|
| NO. | D. AREA (AC) | STATION |
| 137 | 0.12 | 483+00, RT |
| 138 | 0.49 | 483+00, LT |
| 139 | 0.08 | 482+70, LT |
| 140 | 0.07 | 485+26, RT |
| 141 | 0.36 | 485+26, RT |
| 142 | 0.07 | 485+42, LT |
| 143 | 0.26 | 485+50, RT |
| 144 | 0.05 | 487+95, RT |

| INLET PROTECTION | | |
|------------------|--------------|------------|
| NO. | D. AREA (AC) | STATION |
| 145 | 0.14 | 487+95, RT |
| 146 | 0.12 | 489+01, LT |
| 147 | 0.05 | 489+01, LT |
| 148 | 0.10 | 489+01, RT |
| 149 | 0.05 | 489+01, RT |
| 150 | 0.10 | 489+36, RT |
| 151 | 0.20 | 490+39, RT |
| 152 | 0.26 | 490+50, LT |

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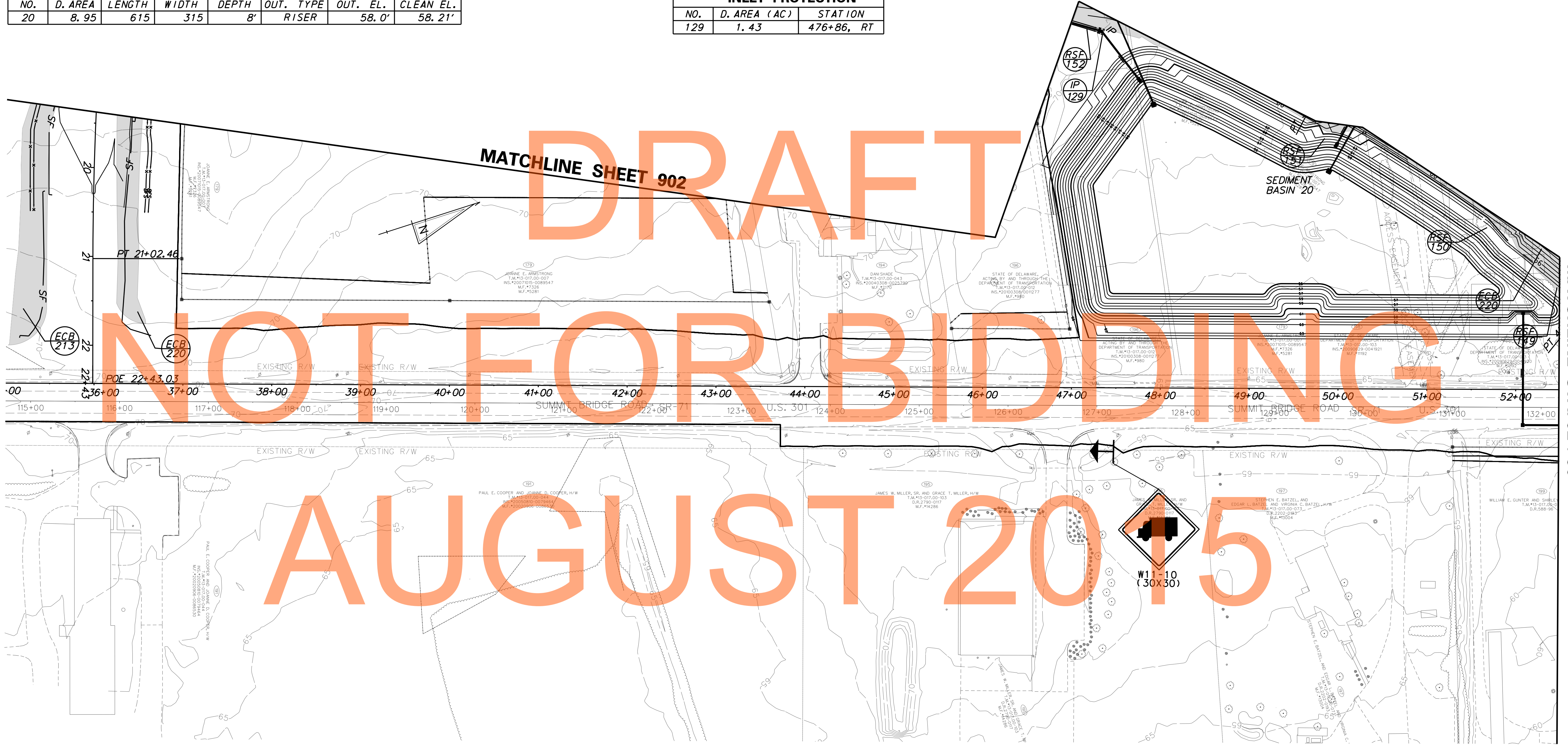
| REINFORCED SILT FENCE | | | |
|-----------------------|--------------|------------|--------|
| NO. | STATION FROM | STATION TO | LENGTH |
| 149 | 52+40 | 52+50 | 15 LF |
| 150 | 51+20 | 52+50 | 142 LF |
| 151 | 49+50 | 52+20 | 323 LF |
| 152 | 47+10 | 50+00 | 307 LF |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|------|--------|-------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 213 | 950 | 240 LF | 30 LF | 3 |
| 220 | 1150 | 240 LF | 20 LF | 3 |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 2096 | SY |

| SEDIMENT BASIN SCHEDULE | | | | | | | |
|-------------------------|---------|--------|-------|-------|-----------|----------|-----------|
| NO. | D. AREA | LENGTH | WIDTH | DEPTH | OUT. TYPE | OUT. EL. | CLEAN EL. |
| 20 | 8.95 | 615 | 315 | 8' | RISER | 58.0' | 58.21' |

| INLET PROTECTION | | |
|------------------|--------------|------------|
| NO. | D. AREA (AC) | STATION |
| 129 | 1.43 | 476+86, RT |



NOTE:
 FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

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| | | | | | | | | |
|--|-----------------------|--|---|-------------------|------------------------|---------------------|---|------------------|
| DELAWARE DEPARTMENT OF TRANSPORTATION | ADDENDUMS / REVISIONS | | US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD | | CONTRACT T200911303 | BRIDGE NO. | CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - STAGE 2 | SHEET NO. 905 |
| | | | COUNTY NEW CASTLE | CHECKED BY: SF | DESIGNED BY: JW | TOTAL SHTS. 1256 | | |

| SEEDING QUANTITIES | | | |
|--------------------|-------------------------------|------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 734017 | TEMPORARY SEEDING, DRY GROUND | 4120 | SY |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|------|--------|--------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 220 | 3200 | 833 LF | 130 LF | 2 |
| 221 | 920 | 833 LF | 60 LF | 3 |



MATCHLINE STA. 492 + 00

END
CONTRACT T20091303
STATION 495+10.00

STA 500+26.21 BK=
STA 599+72.85 AHD

US 301 CONSTRUCTION
AND R/W BASELINE

DRAFT
NOT FOR BIDDING
AUGUST 2015

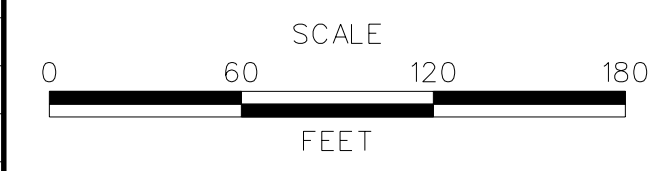
| INLET PROTECTION | | |
|------------------|--------------|------------|
| NO. | D. AREA (AC) | STATION |
| 153 | 0.02 | 492+73, RT |
| 154 | 0.08 | 492+73, RT |
| 155 | 0.01 | 492+73, LT |
| 156 | 0.01 | 493+52, LT |
| 157 | 0.01 | 493+52, LT |

NOTE:
FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

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| ADDENDUMS / REVISIONS | |
|-----------------------|--|
| | |
| | |

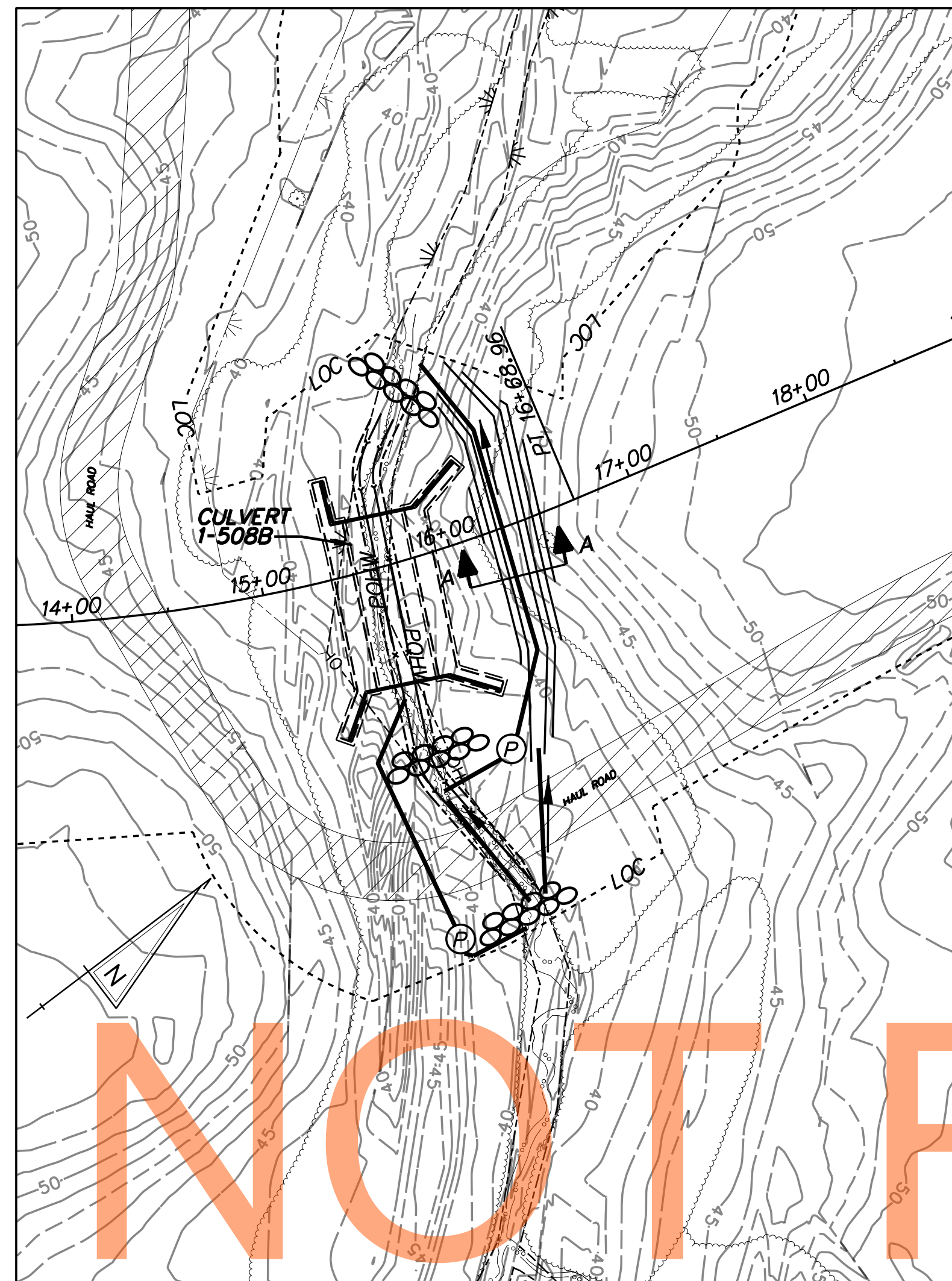


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T20091303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

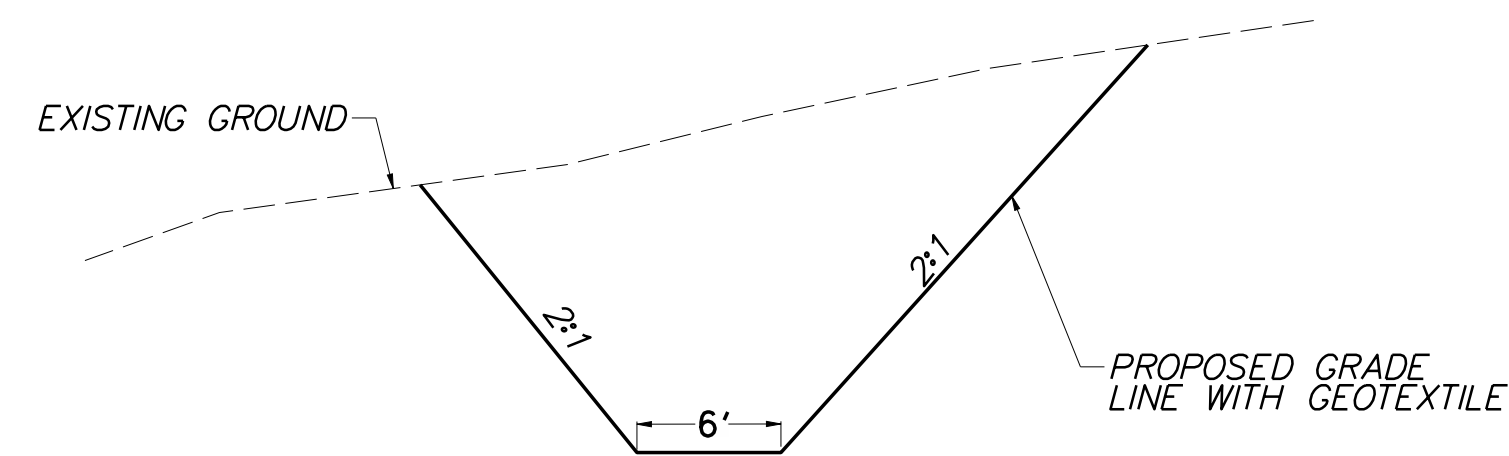
**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - STAGE 2**

| |
|-------------|
| CS-45 |
| SHEET NO. |
| 906 |
| TOTAL SHTS. |
| 1256 |

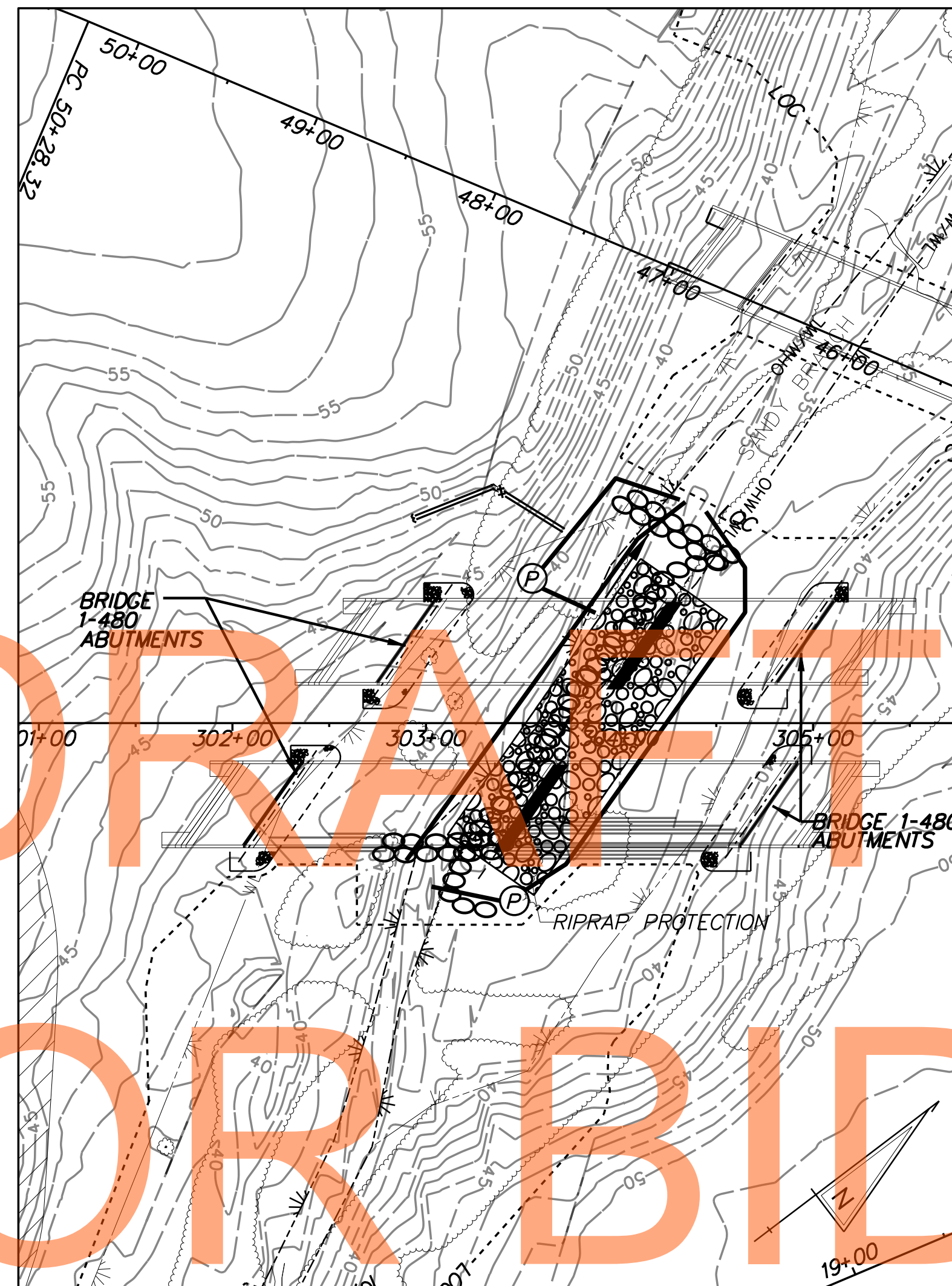


CULVERT 1-508B CONSTRUCTION SEQUENCE:

1. CONSTRUCT STREAM DIVERSION CHANNEL NORTH OF PROPOSED CULVERT 1-508B.
2. INSTALL PUMP AROUND FOR STREAM DIVERSION INCLUDING SANDBAG DAMS FOR TEMPORARY PIPE UNDER THE FUTURE HAUL ROAD CONSTRUCTION AND COMPLETION OF STREAM CHANNEL DIVERSION AT EXISTING STREAM LOCATION.
3. INSTALL BOTH TEMPORARY PIPES AT THE FUTURE HAUL ROAD BUT WITH ONLY THE TEMPORARY PIPE TO THE STREAM DIVERSION CHANNEL ACTIVE. ALLOW STREAM TO FLOW AROUND CONSTRUCTION AREA. DEWATER CONSTRUCTION AREA WITH SUMP PIT.
4. BEGIN CONSTRUCTION OF CULVERT 1-508B.
5. WHEN CULVERT HAS BEEN CONSTRUCTED AND FILL OPERATIONS ALONG RAMP C IMPEDE ON STREAM DIVERSION CHANNEL, SWITCH STREAM FLOW THROUGH SECOND TEMPORARY PIPE AND ALLOW FLOW THROUGH CULVERT 508B AND COMPLETE RAMP FILL OPERATIONS.



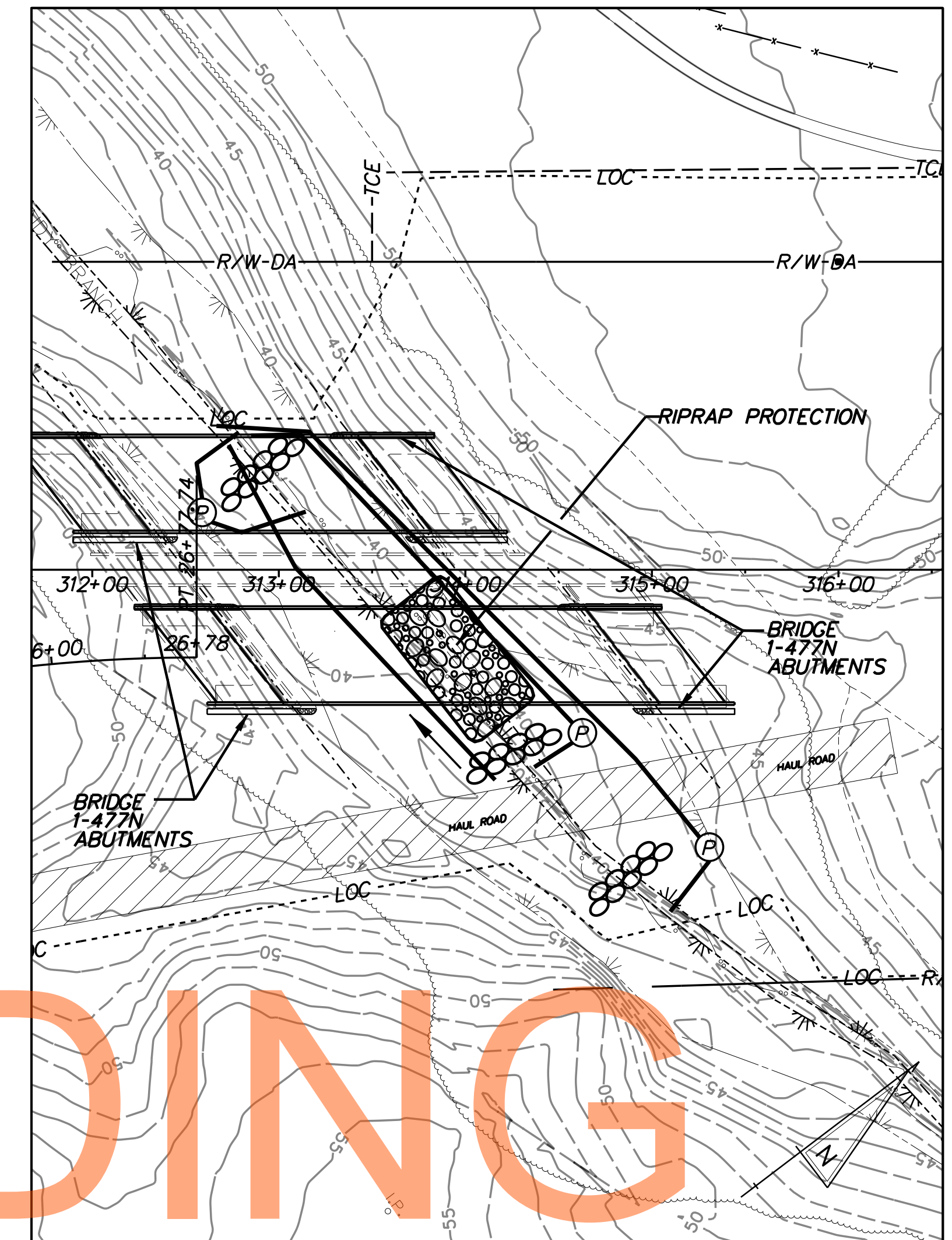
SECTION A-A



BRIDGE 1-480 PIER AND INSTREAM RIPRAP CONSTRUCTION SEQUENCE:

1. CONSTRUCT SANDBAG WALL ALONG STREAM BANK TO PROTECT STREAM DURING PIER CONSTRUCTION.
2. CONSTRUCT PIERS BY ACCESSING SITE FROM THE NORTH.
3. ONCE PIER CONSTRUCTION IS COMPLETE: REMOVE SANDBAG WALL AND BEGIN PUMP AROUND FOR STREAM DIVERSIONS INCLUDING INSTALLATION OF SANDBAG DAMS AND OVERFLOW DIVERSION PIPE. DEWATER CONSTRUCTION AREA WITH SUMP PIT.
4. GRADE EARTH OR RIPRAP WITHIN FLOOD PLAIN ON EITHER SIDE OF DAM TO CONTAIN WATER TO PUMP AND OVERFLOW PIPE.
5. EXCAVATE FOR RIPRAP AND CONSTRUCT RIPRAP WITHIN EXISTING STREAM.
6. REMOVE STREAM DIVERSION PRACTICE AND ALLOW REGULAR STREAM FLOW. COMPLETE RIPRAP CONSTRUCTION OUTSIDE OF STREAM LIMITS.

| STREAM DIVERSION QUANTITIES | | | |
|-----------------------------|-------------------------------------|------|-------|
| ITEM NO. | ITEM | QTY. | UNITS |
| 715503 | 48" CORRUGATED POLYETHYLENE PIPE | 500 | LF |
| 263000 | SUMP PIT TYPE 1 | 3 | EA |
| 265000 | GEOTEXTILE, LINED CHANNEL DIVERSION | 1400 | CY |
| 266000 | SANDBAG DIKES | 1260 | CY |
| 266500 | WATER PUMPING FOR STREAM DIVERSIONS | 1 | LS |



BRIDGE 1-477 INSTREAM RIPRAP CONSTRUCTION SEQUENCE:

1. INSTALL UPSTREAM PUMP AROUND FOR STREAM DIVERSION INCLUDING SANDBAG DAM, AND TEMPORARY PIPE FOR FUTURE HAUL ROAD LOCATION.
2. SET UP SECOND PUMP AROUND FOR STREAM DIVERSION INCLUDING SANDBAG DAM AND OVERFLOW DIVERSION PIPE ON THE WEST SIDE OF THE HAUL ROAD. REMOVE UPSTREAM PUMP AROUND AND SANDBAG DAM. DEWATER CONSTRUCTION AREA WITH SUMP PIT.
3. CONSTRUCT INSTREAM RIPRAP.
4. REMOVE PUMP AROUND STREAM DIVERSION, SANDBAGS AND SUMP PIT.

GENERAL NOTES:

1. DIVERSION DITCHES SHALL BE CONSTRUCTED PER DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK SPECIFICATIONS FOR STREAM DIVERSION, PG 3.5.2-1 AND 3.5.2-2.
2. CARE MUST BE TAKEN TO INSPECT THE STREAM DIVERSION AT THE END OF EACH WORK DAY.

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AUGUST 2015
NOT FOR BIDDING

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SEQUENCE OF CONSTRUCTION

STAGE 3 - FINAL CONSTRUCTION

- ① MAINTAIN EROSION AND SEDIMENT CONTROLS THROUGH FINAL CONSTRUCTION AND STABILIZATION OF FINAL CONSTRUCTION.
- ② CONSTRUCT ROADWAY DRAINAGE PIPES, INLETS, AND ROCK OUTLET PROTECTION FROM DOWNSTREAM TO UPSTREAM. IF NO INLET PROTECTION IS SHOWN ON PHASE 3, COVER INLET TO NOT ALLOW RUNOFF INTO DRAINAGE SYSTEM. SUMP AREAS WILL BE DRAINED WITH PORTABLE SEDIMENT TANKS OR OTHER APPROVED DEWATERING DEVICES. ALLOW ROADSIDE DITCHES TO DRAIN TO OUTFALLS AND NOT TO INFILTRATION AREAS UNTIL FINAL STABILIZATION. DO NOT ALLOW AREAS TO DRAIN TO FUTURE INFILTRATION AREAS UNTIL SITE IS COMPLETELY STABILIZED. WHEN TEMPORARY PIPES ARE USED, USE APPROVED SEDIMENT CONTROL DEVICES AT UPSTREAM ENDS OF THE STORM DRAIN SYSTEM TO TREAT UNSTABILIZED AREAS.
- ③ CONSTRUCT FINAL US 301 TYPICAL ROADWAY SECTION TO THE LIMITS SHOWN INCLUDING CONDUITS, UNDERDRAIN AND SIGNAGE.
- ④ FINISH CONSTRUCTION OF ROADWAY AND TIE INS.
- ⑤ AT COMPLETION OF CONSTRUCTION ACTIVITY AND ONCE THE CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED, THE CONTRACTOR MUST CONTACT THE ENGINEER FOR INSPECTION OF THE SITE, THE ENGINEER MUST GRANT APPROVAL PRIOR TO THE START OF ANY SEDIMENT TRAP/BASIN CONVERSION IN DELAWARE. CONVERT SEDIMENT BASINS TO FINAL SWM BASIN DESIGNS PER PLAN AND PROJECT SPECIFICATIONS. CONVERSION OF SEDIMENT TRAPS/BASINS SHALL BE CARRIED OUT IN SUCH A MANNER THAT SEDIMENT POLLUTION IS ABATED.
 - A. SEDIMENT REMOVAL & DISPOSAL: THE SEDIMENT SHALL BE DEWATERED, REMOVED FROM THE TRAP/BASIN AND PLACED IN SUCH A MANNER THAT IT WILL NOT ERODE FROM THE SITE. THE SEDIMENT SHALL NOT BE DEPOSITED DOWNSTREAM FROM THE TRAP/BASIN OR ADJACENT TO A STREAM OR FLOODPLAIN. SEDIMENT SHALL NOT BE ALLOWED TO FLUSH INTO A STREAM OR DRAINAGE WAY. THE SEDIMENT SHALL BE PLACED AT THE STOCKPILE SITE & SEDIMENT DISTRIBUTION AREA AS DESIGNATED ON THE PROJECT PLANS. STABILIZE ANY RESULTING DISTURBANCE IMMEDIATELY.
 - B. AFTER PERMANENT STABILIZATION OF ALL DISTRIBUTED CONTRIBUTORY DRAINAGE AREAS THE OUTLET STRUCTURES MUST BE MODIFIED IN ACCORDANCE WITH APPROVED STORMWATER MANAGEMENT DESIGN PLANS. ADDITIONAL GRADING MAY ALSO BE NECESSARY TO PROVIDE THE REQUIRED STORAGE VOLUME IN THE BASIN. CONVERSION TO PERMANENT SWM FACILITY CAN ONLY TAKE PLACE AFTER ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED TO THE SATISFACTION OF THE INSPECTION AUTHORITY AND STORM DRAINS HAVE BEEN FLUSHED.
 - 1. MULCH, SEED AND LANDSCAPE PROPOSED PERVIOUS AREAS
 - 2. AFTER FINAL STABILIZATION (MINIMUM OF 70% UNIFORM PERENNIAL GROWTH) OF DISTURBED AREAS, THE CONTRACTOR MUST CONTACT THE ENGINEER FOR INSPECTION OF THE SITE. THE ENGINEER MUST GRANT APPROVAL PRIOR TO THE REMOVAL OF THE EROSION AND SEDIMENT CONTROL MEASURES. THE CONTRACTOR SHALL CONDUCT A FINAL INSPECTION AND REMOVE ALL SEDIMENT AND DEBRIS FROM INLETS.
- ⑥ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED, AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.
- ⑦ UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS.

DRAFT

NOT FOR BIDDING

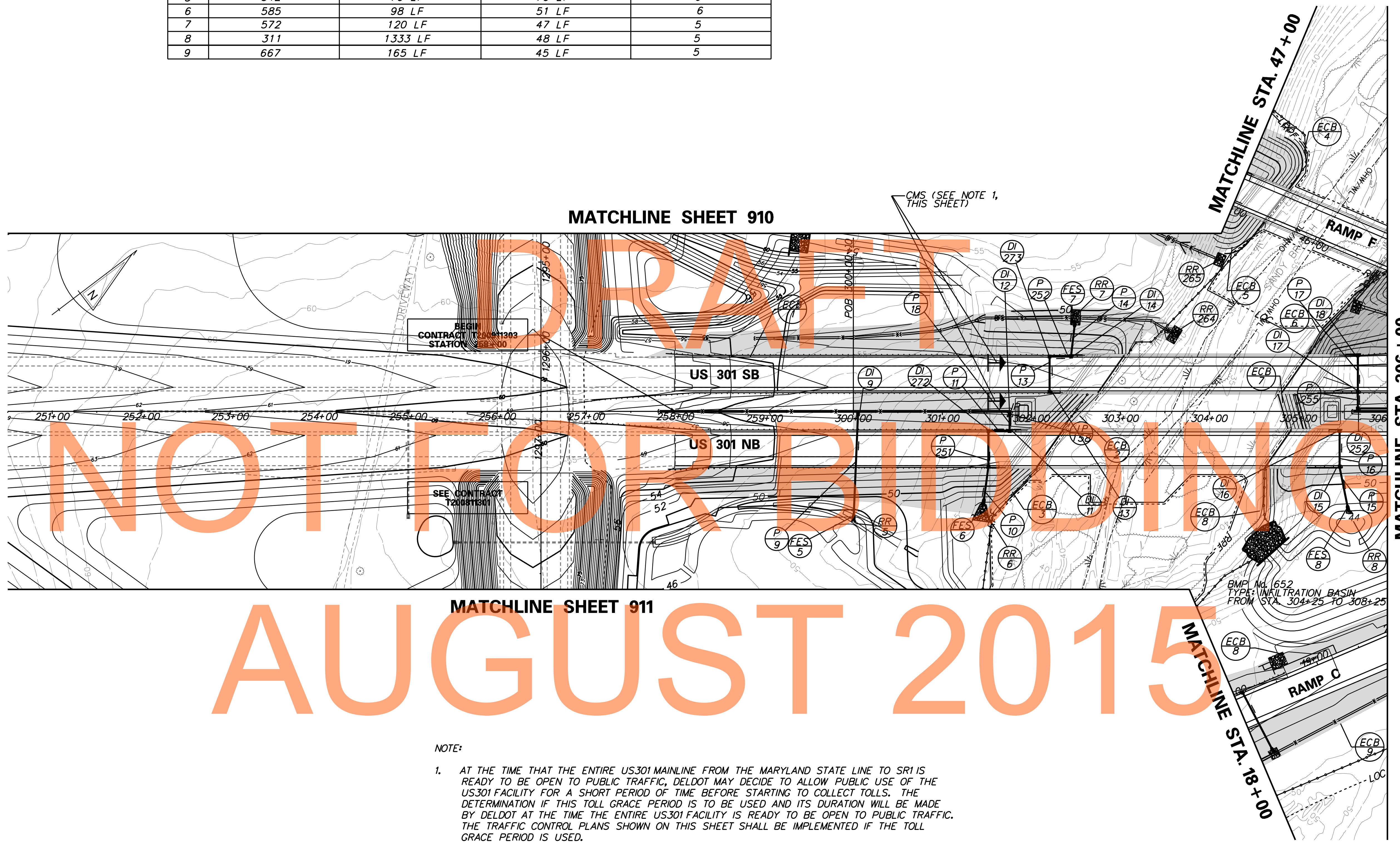
AUGUST 2015

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| | | | | | | | | |
|--|-----------------------|--|--------------|---|------------|-----------------|--|---------------------|
|  DELAWARE DEPARTMENT OF TRANSPORTATION | ADDENDUMS / REVISIONS | | NOT TO SCALE | US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD | CONTRACT | BRIDGE NO. | CONSTRUCTION PHASING M.O.T. AND EROSION CONTROL NOTES - STAGE 3 | CS-47 |
| | | | | | T20091303 | | | SHEET NO. |
| | | | | | COUNTY | DESIGNED BY: JW | | 908 |
| | | | | | NEW CASTLE | CHECKED BY: SF | | TOTAL SHTS. 1256 |

| INLET PROTECTION | | |
|------------------|---------|------------|
| NO. | D. AREA | STATION |
| 158 | 0.8 | 301+76, RT |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|------|---------|-------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 1 | 2423 | 627 LF | 47 LF | 6 |
| 2 | 1292 | 259 LF | 46 LF | 5 |
| 3 | 1734 | 455 LF | 47 LF | 5 |
| 4 | 317 | 58 LF | 54 LF | 6 |
| 5 | 342 | 79 LF | 70 LF | 6 |
| 6 | 585 | 98 LF | 51 LF | 6 |
| 7 | 572 | 120 LF | 47 LF | 5 |
| 8 | 311 | 1333 LF | 48 LF | 5 |
| 9 | 667 | 165 LF | 45 LF | 5 |



NOTE:

- AT THE TIME THAT THE ENTIRE US301 MAINLINE FROM THE MARYLAND STATE LINE TO SR1 IS READY TO BE OPEN TO PUBLIC TRAFFIC, DELDOT MAY DECIDE TO ALLOW PUBLIC USE OF THE US301 FACILITY FOR A SHORT PERIOD OF TIME BEFORE STARTING TO COLLECT TOLLS. THE DETERMINATION IF THIS TOLL GRACE PERIOD IS TO BE USED AND ITS DURATION WILL BE MADE BY DELDOT AT THE TIME THE ENTIRE US301 FACILITY IS READY TO BE OPEN TO PUBLIC TRAFFIC. THE TRAFFIC CONTROL PLANS SHOWN ON THIS SHEET SHALL BE IMPLEMENTED IF THE TOLL GRACE PERIOD IS USED.

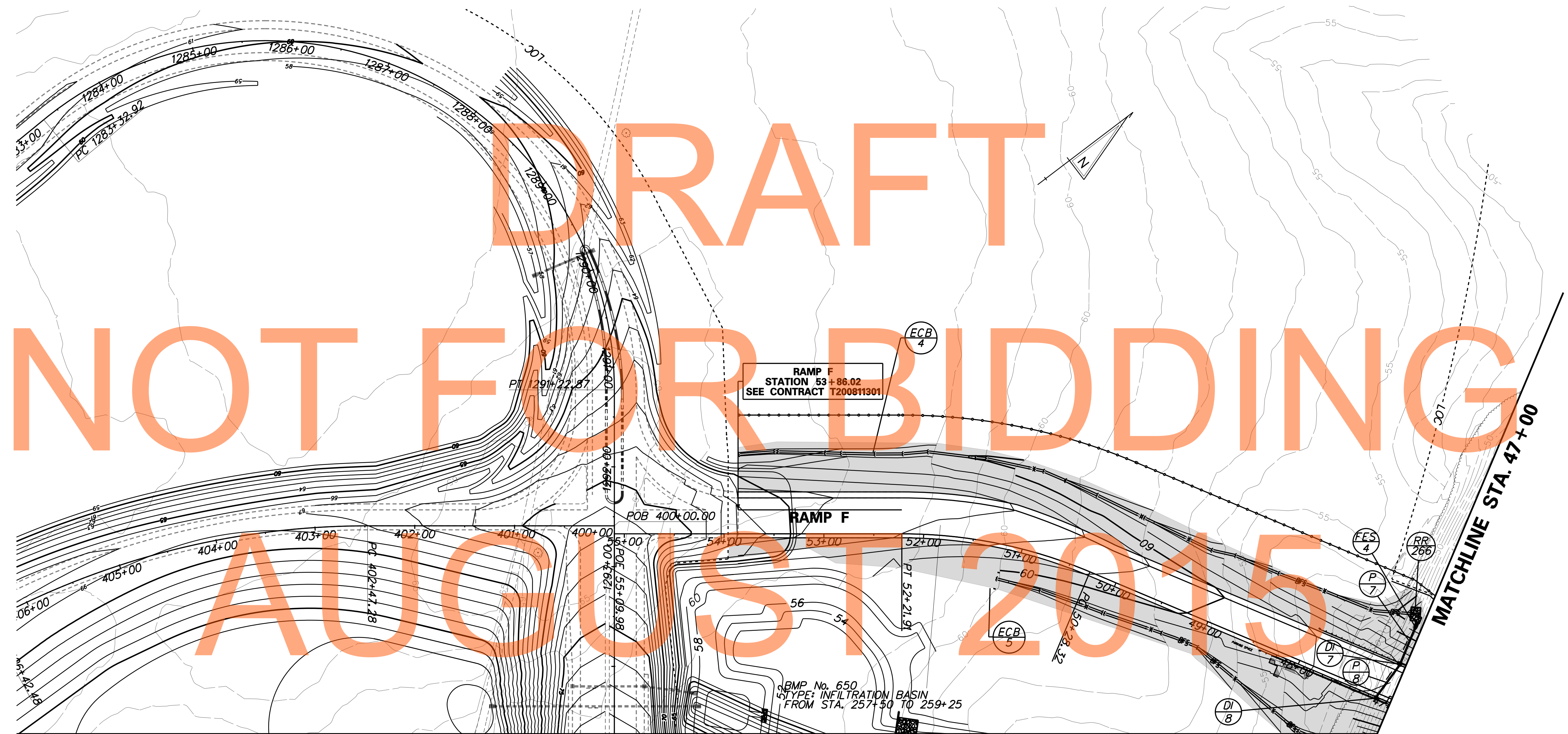
NOTE:

FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

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|--|-----------------------|--|---|--------------------|-----------------------|------------------|---|---------------------|
| DELAWARE DEPARTMENT OF TRANSPORTATION | ADDENDUMS / REVISIONS | | US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD | | CONTRACT T20091303 | BRIDGE NO. | CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - STAGE 3 | CS-48 |
| | | | COUNTY NEW CASTLE | DESIGNED BY: JW | CHECKED BY: SF | SHEET NO. 909 | | |
| | | | | | | | | TOTAL SHTS. 1256 |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|------|--------|-------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 4 | 3761 | 760 LF | 50 LF | 6 |
| 5 | 2859 | 685 LF | 75 LF | 6 |



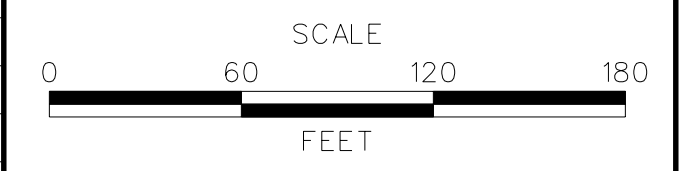
MATCHLINE SHEET 909

NOTE:
 FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

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| ADDENDUMS / REVISIONS | |
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**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

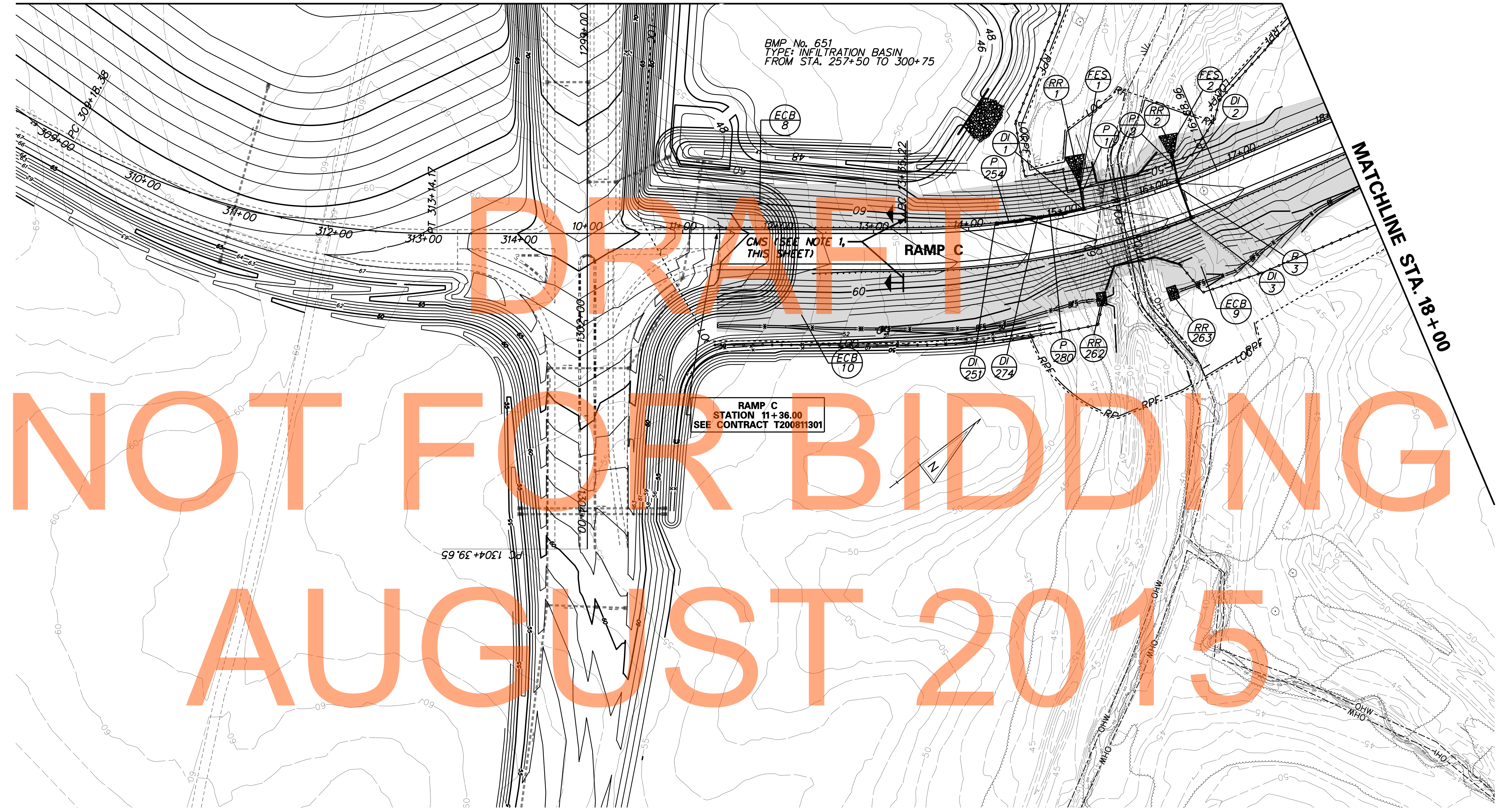
| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T20091303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

**CONSTRUCTION PHASING,
 M.O.T., AND EROSION
 CONTROL PLAN - STAGE 3**

| |
|-------------|
| CS-49 |
| SHEET NO. |
| 910 |
| TOTAL SHTS. |
| 1256 |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|------|--------|-------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 8 | 3074 | 720 LF | 64 LF | 5 |
| 9 | 1843 | 282 LF | 74 LF | 5 |
| 10 | 3111 | 408 LF | 76 LF | 5 |

MATCHLINE SHEET 909

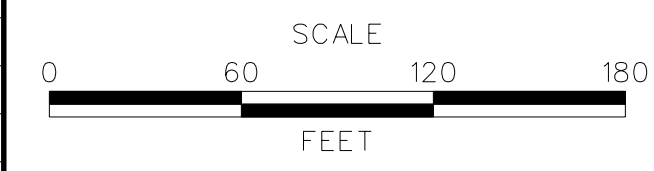


NOTE:

1. AT THE TIME THAT THE ENTIRE US301 MAINLINE FROM THE MARYLAND STATE LINE TO SR1 IS READY TO BE OPEN TO PUBLIC TRAFFIC, DELDOT MAY DECIDE TO ALLOW PUBLIC USE OF THE US301 FACILITY FOR A SHORT PERIOD OF TIME BEFORE STARTING TO COLLECT TOLLS. THE DETERMINATION IF THIS TOLL GRACE PERIOD IS TO BE USED AND ITS DURATION WILL BE MADE BY DELDOT AT THE TIME THE ENTIRE US301 FACILITY IS READY TO BE OPEN TO PUBLIC TRAFFIC. THE TRAFFIC CONTROL PLANS SHOWN ON THIS SHEET SHALL BE IMPLEMENTED IF THE TOLL GRACE PERIOD IS USED.

NOTE:
FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T200911303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - STAGE 3**



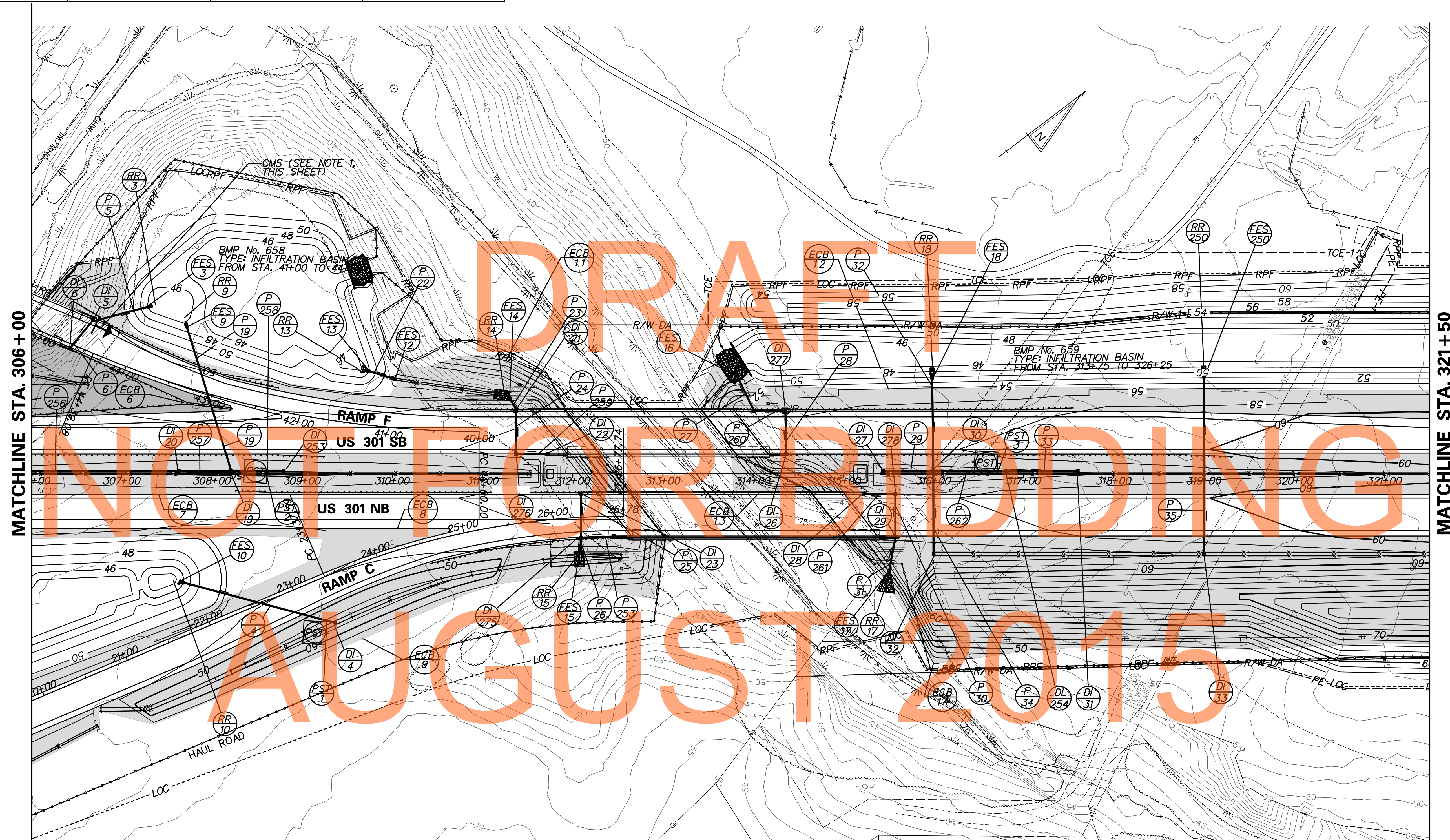
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|-------------|
| CS-50 |
| SHEET NO. |
| 911 |
| TOTAL SHTS. |
| 1256 |

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| EROSION CONTROL BLANKET | | | | |
|-------------------------|------|--------|-------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 6 | 1162 | 18 LF | 18 LF | 6 |
| 7 | 3310 | 720 LF | 64 LF | 5 |
| 8 | 1427 | 282 LF | 74 LF | 5 |
| 9 | 3491 | 408 LF | 76 LF | 5 |
| 11 | 1902 | 282 LF | 74 LF | 5 |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|------|--------|-------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 12 | 2543 | 18 LF | 18 LF | 5 |
| 13 | 3881 | 720 LF | 64 LF | 5 |
| 14 | 8353 | 282 LF | 74 LF | 5 |

| PORTABLE SEDIMENT TANK | |
|------------------------|------------|
| NO. | STATION |
| 1 | 22+53, RT |
| 2 | 308+49, RT |
| 3 | 314+58, RT |



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AUGUST 2015

NOTE:
FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

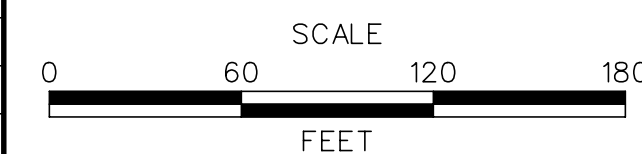
NOTE:

1. AT THE TIME THAT THE ENTIRE US301 MAINLINE FROM THE MARYLAND STATE LINE TO SR1 IS READY TO BE OPEN TO PUBLIC TRAFFIC, DELDOT MAY DECIDE TO ALLOW PUBLIC USE OF THE US301 FACILITY FOR A SHORT PERIOD OF TIME BEFORE STARTING TO COLLECT TOLLS. THE DETERMINATION IF THIS TOLL GRACE PERIOD IS TO BE USED AND ITS DURATION WILL BE MADE BY DELDOT AT THE TIME THE ENTIRE US301 FACILITY IS READY TO BE OPEN TO PUBLIC TRAFFIC. THE TRAFFIC CONTROL PLANS SHOWN ON THIS SHEET SHALL BE IMPLEMENTED IF THE TOLL GRACE PERIOD IS USED.

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ADDENDUMS / REVISIONS



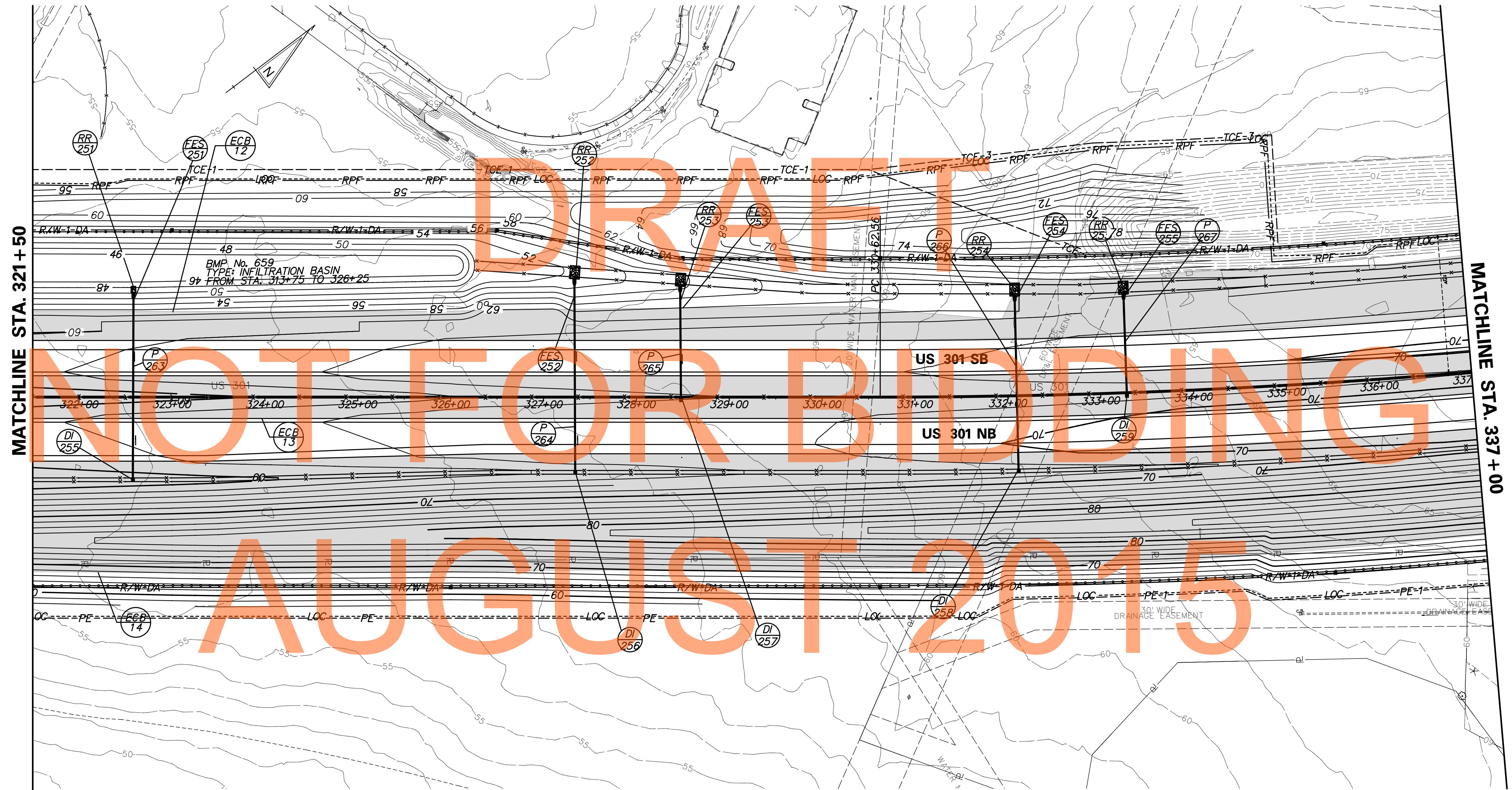
**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T200911303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - STAGE 3**

| |
|-------------|
| CS-51 |
| SHEET NO. |
| 912 |
| TOTAL SHTS. |
| 1256 |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|-------|---------|--------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 12 | 7827 | 1545 LF | 65 LF | 5 |
| 13 | 7880 | 1550 LF | 45 LF | 5 |
| 14 | 21211 | 1560 LF | 120 LF | 5 |

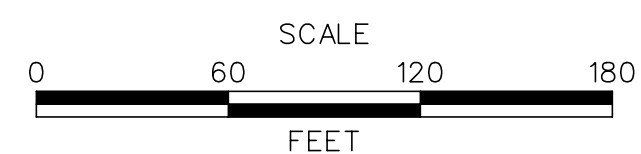


NOTE:
 FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY
 STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE
 OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED
 OR GRADED AREAS ON THE PROJECT SITE.

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| ADDENDUMS / REVISIONS | |
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**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

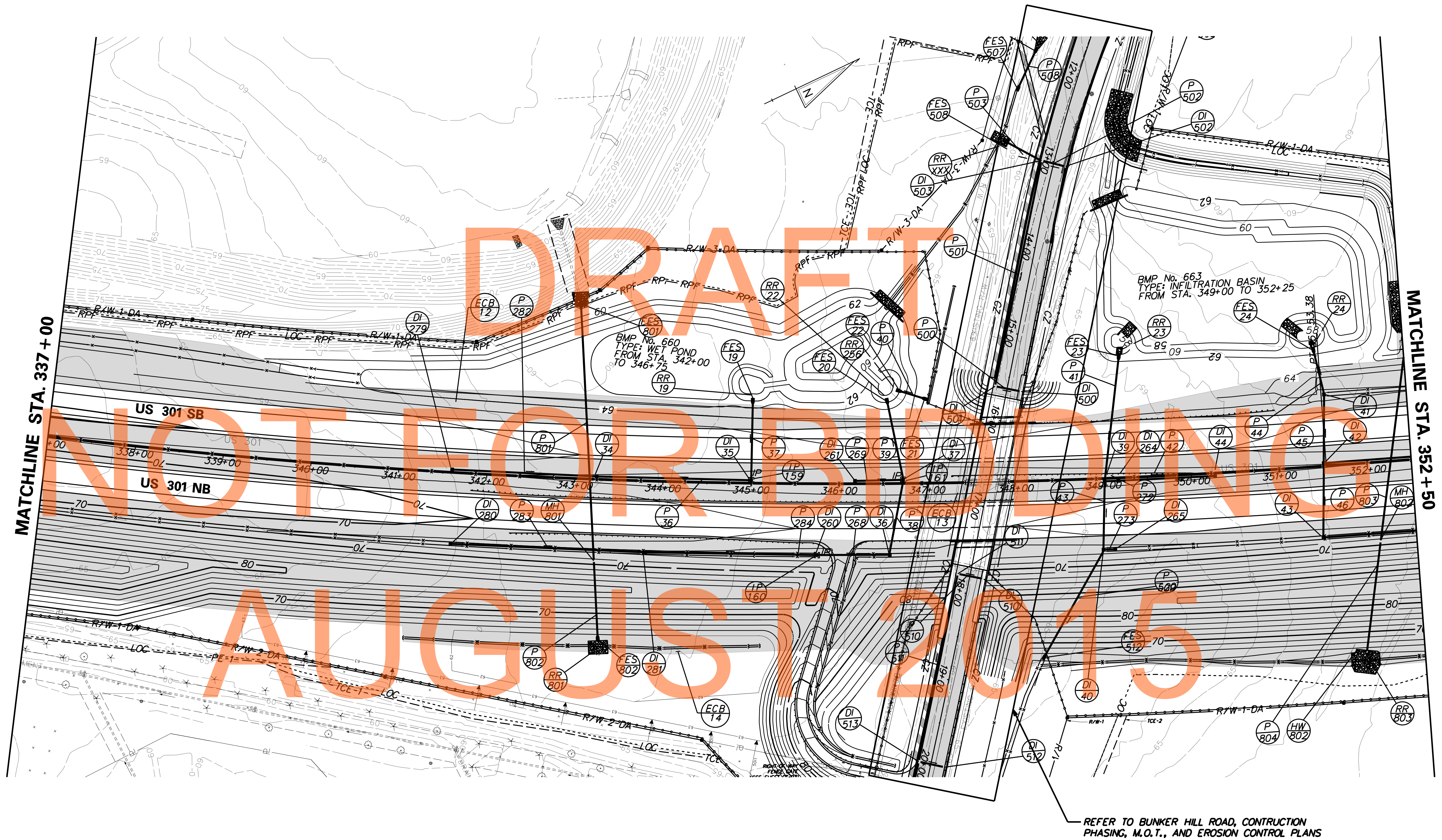
| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T20091303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

**CONSTRUCTION PHASING,
 M.O.T., AND EROSION
 CONTROL PLAN - STAGE 3**

| |
|-------------|
| CS-52 |
| SHEET NO. |
| 913 |
| TOTAL SHTS. |
| 1256 |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|-------|---------|--------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 12 | 7798 | 1530 LF | 58 LF | 5 |
| 13 | 7879 | 1550 LF | 45 LF | 5 |
| 14 | 23002 | 1572 LF | 162 LF | 5 |

| INLET PROTECTION | | |
|------------------|---------|------------|
| NO. | D. AREA | STATION |
| 159 | 2.0 | 345+00, LT |
| 160 | 1.75 | 345+76, RT |
| 161 | 0.5 | 346+72, LT |



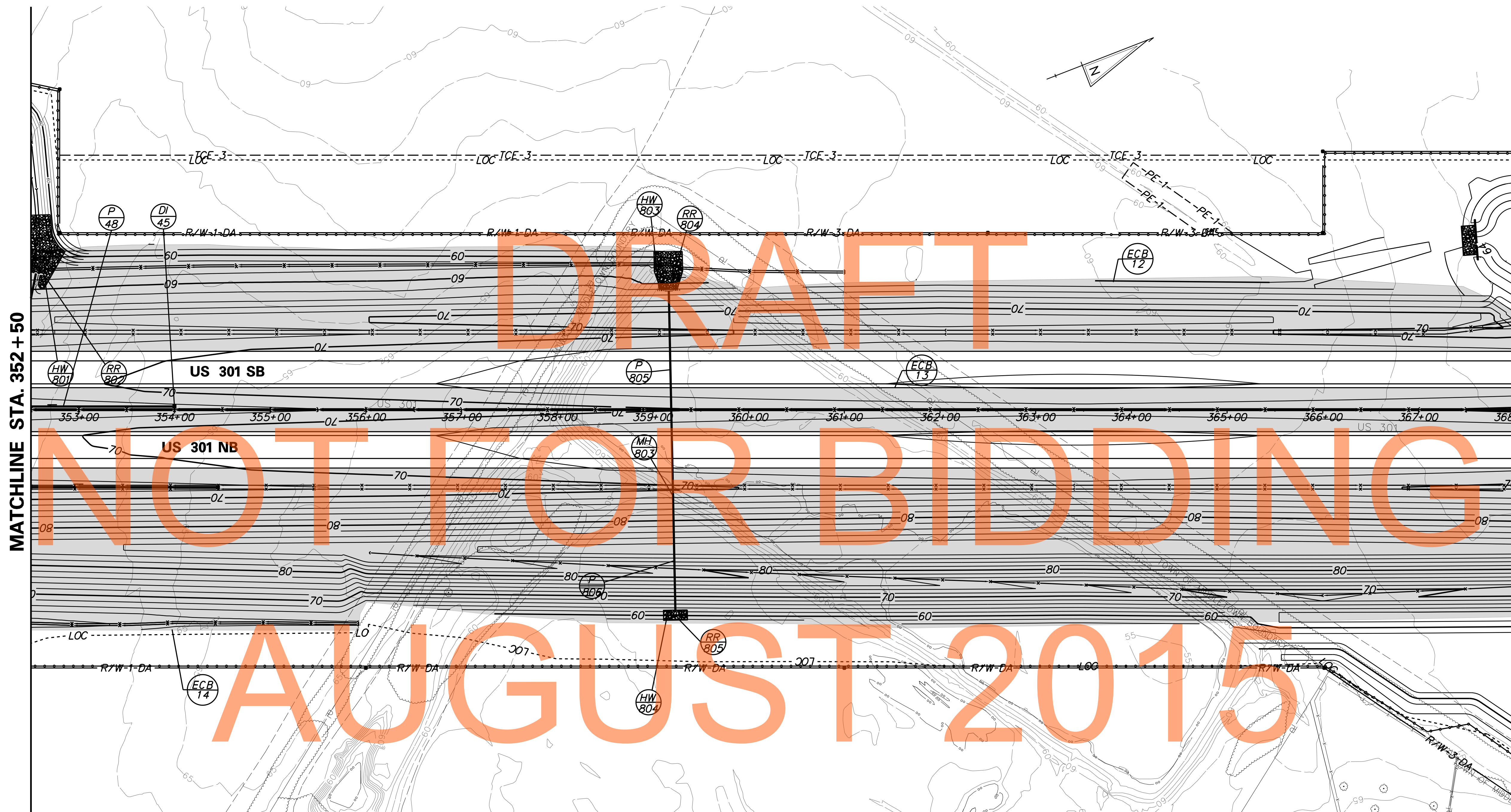
NOTE:
 FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

REFER TO BUNKER HILL ROAD, CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLANS

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| | | | | | | | |
|--|-----------------------|-------------------------------|---|-----------------------|----------------------|---|--------------------|
| | ADDENDUMS / REVISIONS | SCALE 0 60 120 180 FEET | US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD | CONTRACT T20091303 | BRIDGE NO. | CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - STAGE 3 | CS-53 |
| | | | | | COUNTY NEW CASTLE | | DESIGNED BY: JW |

| EROSION CONTROL BLANKET | | | | |
|-------------------------|-------|---------|--------|------|
| NO. | SY | LENGTH | WIDTH | TYPE |
| 12 | 16544 | 1550 LF | 127 LF | 5 |
| 13 | 7922 | 1550 LF | 46 LF | 5 |
| 14 | 27913 | 1550 LF | 200 LF | 5 |

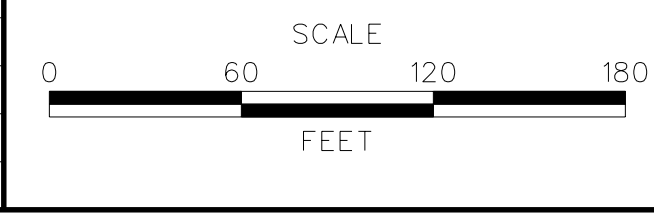


NOTE:
 FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY
 STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE
 OF ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED
 OR GRADED AREAS ON THE PROJECT SITE.

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| ADDENDUMS / REVISIONS | |
|-----------------------|--|
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| | |



**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

| | | |
|------------|--------------|----|
| CONTRACT | BRIDGE NO. | |
| T20091303 | DESIGNED BY: | JW |
| COUNTY | CHECKED BY: | SF |
| NEW CASTLE | | |

**CONSTRUCTION PHASING,
 M.O.T., AND EROSION
 CONTROL PLAN - STAGE 3**

| |
|-------------|
| CS-54 |
| SHEET NO. |
| 915 |
| TOTAL SHTS. |
| 1256 |