

PROJECT ID:  
WITH: 2210-12-70

COUNTY:  
WAUKESHA

ORDER OF SHEETS

|             |   |                              |
|-------------|---|------------------------------|
| Section No. | 1 | Title                        |
| Section No. | 2 | Typical Sections and Details |
| Section No. | 3 | Estimate of Quantities       |
| Section No. | 3 | Miscellaneous Quantities     |
| Section No. | 4 | Right of Way Plat            |
| Section No. | 5 | Plan and Profile             |
| Section No. | 6 | Standard Detail Drawings     |
| Section No. | 7 | Sign Plates                  |
| Section No. | 8 | Structure Plans              |
| Section No. | 9 | Computer Earthwork Data      |
| Section No. | 9 | Cross Sections               |

TOTAL SHEETS =



DESIGN DESIGNATION

|              |      |   |           |
|--------------|------|---|-----------|
| A.A.D.T.     | 2025 | = | 12,300    |
| A.A.D.T.     | 2045 | = | 16,900    |
| D.H.V.       |      | = | 1,850     |
| D.D.         |      | = | 59/41     |
| T.           |      | = | 8.2%      |
| DESIGN SPEED |      | = | 35-55 MPH |
| ESALS        |      | = | 1,700,000 |

CONVENTIONAL SYMBOLS

|                                |  |
|--------------------------------|--|
| PLAN                           |  |
| CORPORATE LIMITS               |  |
| PROPERTY LINE                  |  |
| LOT LINE                       |  |
| LIMITED HIGHWAY EASEMENT       |  |
| EXISTING RIGHT OF WAY          |  |
| PROPOSED OR NEW R/W LINE       |  |
| SLOPE INTERCEPT                |  |
| REFERENCE LINE                 |  |
| EXISTING CULVERT               |  |
| PROPOSED CULVERT (Box or Pipe) |  |
| COMBUSTIBLE FLUIDS             |  |
| MARSH AREA                     |  |
| WOODED OR SHRUB AREA           |  |

|                                             |  |
|---------------------------------------------|--|
| PROFILE                                     |  |
| GRADE LINE                                  |  |
| ORIGINAL GROUND                             |  |
| MARSH OR ROCK PROFILE (To be noted as such) |  |
| SPECIAL DITCH                               |  |
| GRADE ELEVATION                             |  |
| CULVERT (Profile View)                      |  |
| UTILITIES                                   |  |
| ELECTRIC                                    |  |
| FIBER OPTIC                                 |  |
| GAS                                         |  |
| SANITARY SEWER                              |  |
| STORM SEWER                                 |  |
| TELEPHONE                                   |  |
| WATER                                       |  |
| UTILITY PEDESTAL                            |  |
| POWER POLE                                  |  |
| TELEPHONE POLE                              |  |

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

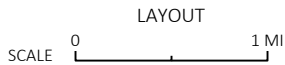
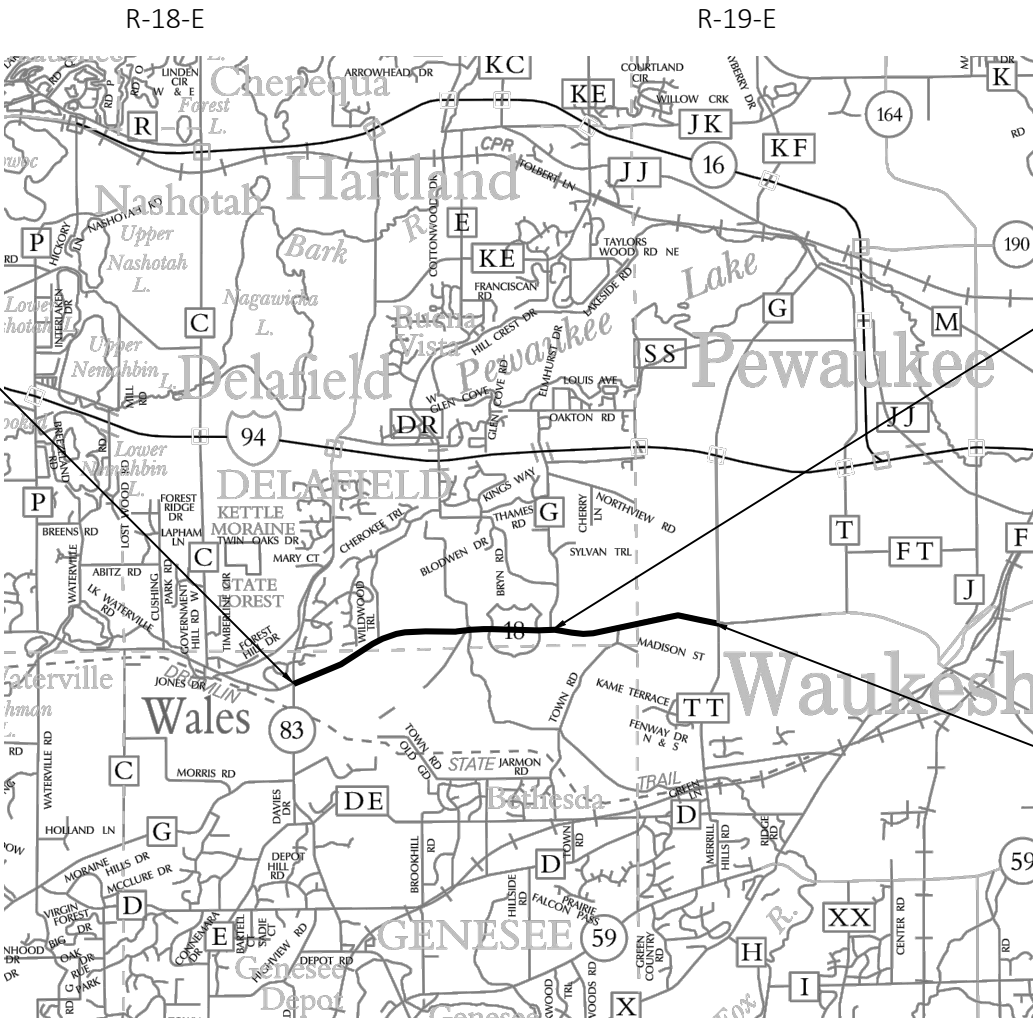
SUMMIT AVE, TOWN DELAFIELD

STH 83 TO STH 318

USH 18

WAUKESHA COUNTY

|                      |
|----------------------|
| STATE PROJECT NUMBER |
| 2210-12-70           |



TOTAL NET LENGTH OF CENTERLINE = 4.865 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WAUKESHA COUNTY NAD83 ( 2011 ), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 ( 2012 ). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

| STATE PROJECT | FEDERAL PROJECT |          |
|---------------|-----------------|----------|
|               | PROJECT         | CONTRACT |
| 2210-12-70    |                 |          |
|               |                 |          |
|               |                 |          |
|               |                 |          |

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

|                     |                    |
|---------------------|--------------------|
| PREPARED BY         |                    |
| Surveyor            | WISDOT             |
| Designer            | WISDOT             |
| Project Manager     | RICH HERRICK, P.E. |
| Regional Examiner   |                    |
| Regional Supervisor | BEN ERUCHALU       |

|                             |                                |
|-----------------------------|--------------------------------|
| APPROVED FOR THE DEPARTMENT |                                |
| DATE: 01/31/2023            | RICHARD HERRICK<br>(Signature) |

E

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT THE UTILITIES AND DIGGERS HOTLINE TO LOCATE AND FIELD VERIFY UTILITIES PRIOR TO THE START OF WORK. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. ANY LOCAL, MUNICIPAL OR OTHER UTILITY THAT IS NOT A MEMBER OF DIGGERS HOTLINE SHALL BE CONTACTED SEPERATELY.

RIGHT OF WAY LINES SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE.

BENCHMARK LOCATIONS SHOWN ON PLAN ARE APPROXIMATE AND SHOULD BE VERIFIED.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

THE REMOVAL OF MESH MATERIAL THAT IS FOUND IN EXISTING PAVEMENT SHALL BE INCIDENTAL TO THE REMOVAL OF THE PAVEMENT ITEM IN THAT SECTION.

LEAVE EXISTING PAVEMENT STRUCTURE INTACT UNLESS DIRECTED BY FIELD ENGINEER OTHERWISE.

A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING HMA PAVEMENT.

ALL SAW CUT SLURRY SHALL BE SQUEEGEED TO THE AGGREGATE SHOULDER BEFORE MOVING ON THE TO THE NEXT SAW CUT LOCATION. IN AREAS WITH CURB, SQUEEGEE TO THE GUTTER PAN, COLLECT SLURRY AND REMOVE FROM THE PROJECT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT THE CONTRACTOR'S EXPENSE.

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZER, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL.

IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN FIVE (5) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED AND MULCH.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED AND MULCH WITHIN 3 DAYS OF STARTING THE STOCKPILE

PROVIDE A STOCKPILE AND MATERIAL STORAGE/STAGING PLAN DURING THE PRECON MEETING. MATERIALS SHALL NOT BE PILED TO BLOCK VISIBILITY OR ACCESS OF USERS AND ADJACENT PROPERTIES. DON'T STOCKPILE UNLESS LOCATIONS AND HEIGHTS ARE APPROVED BY ENGINEER. PROVIDE ENGINEER A STAGING PLAN WITH ECIP.

EROSION CONTROL DEVICES ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.

REMOVAL OF EROSION CONTROL DEVICES IS INCIDENTAL TO THE COST OF THEIR RESPECTIVE BID ITEMS.

EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER

WHEN THE QUANTITY OF HMA PAVEMENT OR BASE AGGREGATE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLAN IS THE MINIMUM REQUIRED AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

EXISTING SURFACE ELEVATIONS SHOWN IN CROSS SECTIONS DO NOT ACCOUNT FOR ANY PLANNED REHABILITATION/OVERLAY WORK.

THE CONTRACTOR SHALL CONFIRM GRADES ON THE PLANS AND ENSURE POSITIVE DRAINAGE AT THE COMPLETION OF ALL WORK.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

STATIONING, DISTANCES AND OFFSETS FOR SIGNS SHOWN IN THE PLANS ARE APPROXIMATE AND THE FINAL LOCATION OF SIGNS ARE TO BE DETERMINED BY THE ENGINEER.

ASPHALT SPECIFICATIONS

| PAVEMENT TYPE | TOTAL LAYER PAVEMENT THICKNESS | LAYERS             |
|---------------|--------------------------------|--------------------|
| 4MT58-28S     | 1 3/4"                         | 1 3/4" UPPER LAYER |
| 3MT58-28S     | 2 1/4"                         | 2 1/4" LOWER LAYER |

ABBREVIATIONS

|       |                                      |
|-------|--------------------------------------|
| AEW   | APRON END WALL                       |
| AGG   | AGGREGATE                            |
| BAD   | BASE AGGREGATE DENSE                 |
| BM    | BENCH MARK                           |
| BMP   | BEST MANAGEMENT PRACTRICES           |
| C&G   | CURB AND GUTTER                      |
| C/L   | CENTER OR CONSTRUCTION LINE          |
| CMCP  | CORRUGATED METAL CULVERT PIPE        |
| CONC  | CONCRETE                             |
| CP    | CULVERT PIPE                         |
| CPRC  | CULVERT PIPE REINFORCED CONCRETE     |
| CSD   | CONCRETE SURFACE DRAIN               |
| CY    | CUBIC YARD                           |
| Δ     | DELTA                                |
| D     | DEGREE OF CURVE                      |
| DISCH | DISCHARGE                            |
| EAT   | ENERGY ABSORBING TERMINAL            |
| EB    | EASTBOUND                            |
| ECIP  | EROSION CONTROL IMPLEMENTATION PLAN  |
| FE    | FIELD ENTRANCE                       |
| HMA   | HOT MIX ASPHALT                      |
| HMOD  | HEIGHT MODERNIZATION                 |
| INL   | INLET                                |
| INV   | INVERT                               |
| L     | LENGTH OF CURVE                      |
| LHF   | LEFT HAND FORWARD                    |
| LT    | LEFT                                 |
| MAX   | MAXIMUM                              |
| MH    | MANHOLE                              |
| MIN   | MINIMUM                              |
| NC    | NORMAL CROWN                         |
| PAVT  | PAVEMENT                             |
| PC    | POINT OF CURVE                       |
| PCC   | POINT OF COMPOUND CURVE              |
| PE    | PRIVATE ENTRANCE                     |
| PI    | POINT OF INTERSECTION                |
| PT    | POINT OF TANGENT                     |
| R     | RADIUS OF CURVE                      |
| R/L   | REFERENCE LINE                       |
| R/W   | RIGHT OF WAY                         |
| RC    | REVERSE CROWN                        |
| REQD  | REQUIRED                             |
| RHF   | RIGHT HAND FORWARD                   |
| RO    | RUN OFF LENGTH                       |
| RT    | RIGHT                                |
| SALV  | SALVAGED                             |
| SDD   | STANDARD DETAIL DRAWINGS             |
| SE    | SUPER ELEVATION                      |
| SF    | SQUARE FOOT                          |
| SSPRC | STORM SEWER PIPE REINFORCED CONCRETE |
| STA   | STATION                              |
| SY    | SQUARE YARD                          |
| T     | TANGENT LENGTH                       |
| TYP   | TYPICAL                              |
| VCL   | VERTICAL CURVE LENGTH                |
| VPC   | POINT OF VERTICAL CURVE              |
| VPI   | POINT OF VERTICAL INTERSECTION       |
| WB    | WESTBOUND                            |

UTILITY CONTACTS

AT&T LEGACY

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CITY OF WAUKESHA

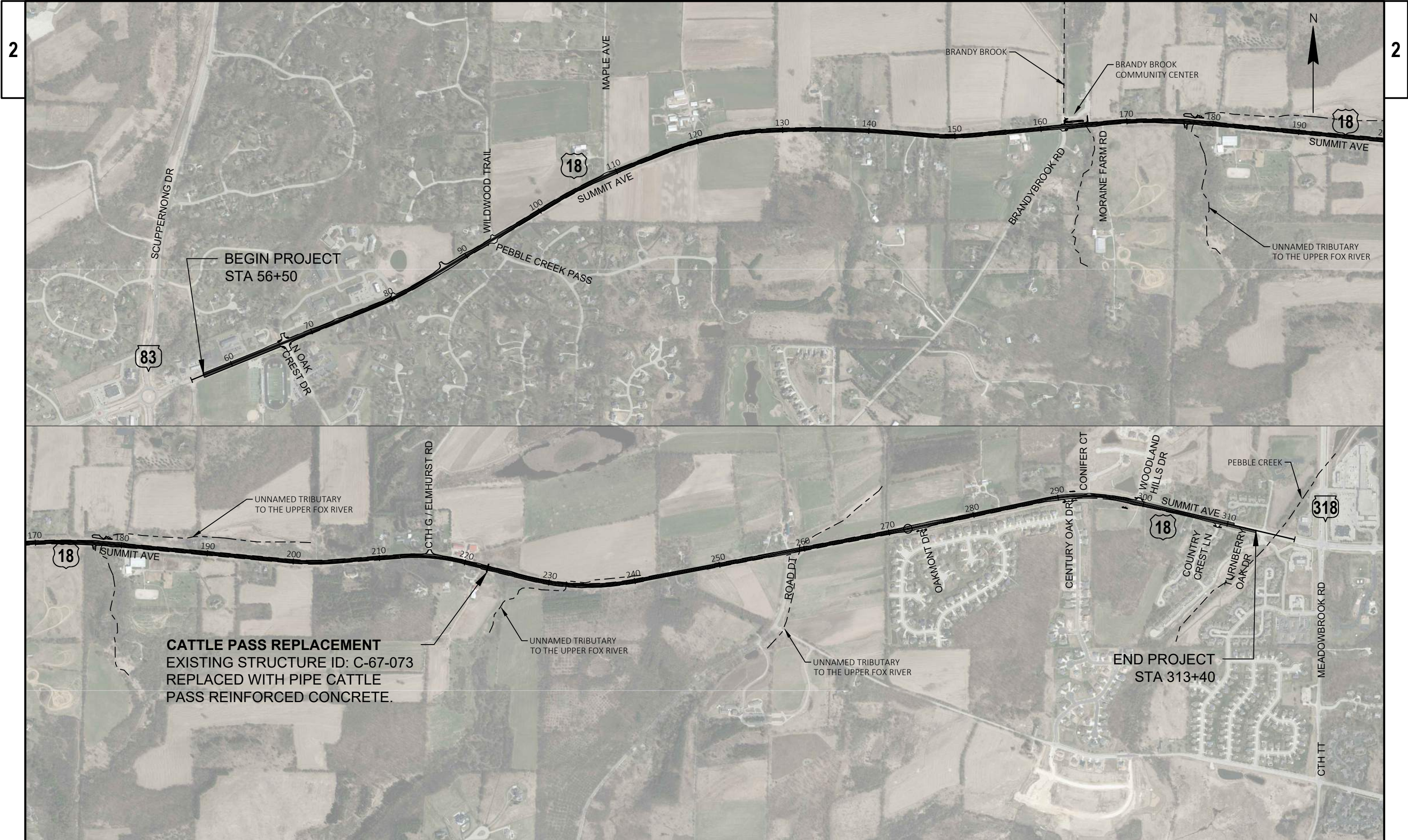
FRED ABADI  
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ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- PLAN DETAILS
- EROSION CONTROL
- TRAFFIC CONTROL
- DETOUR
- ALIGNMENT

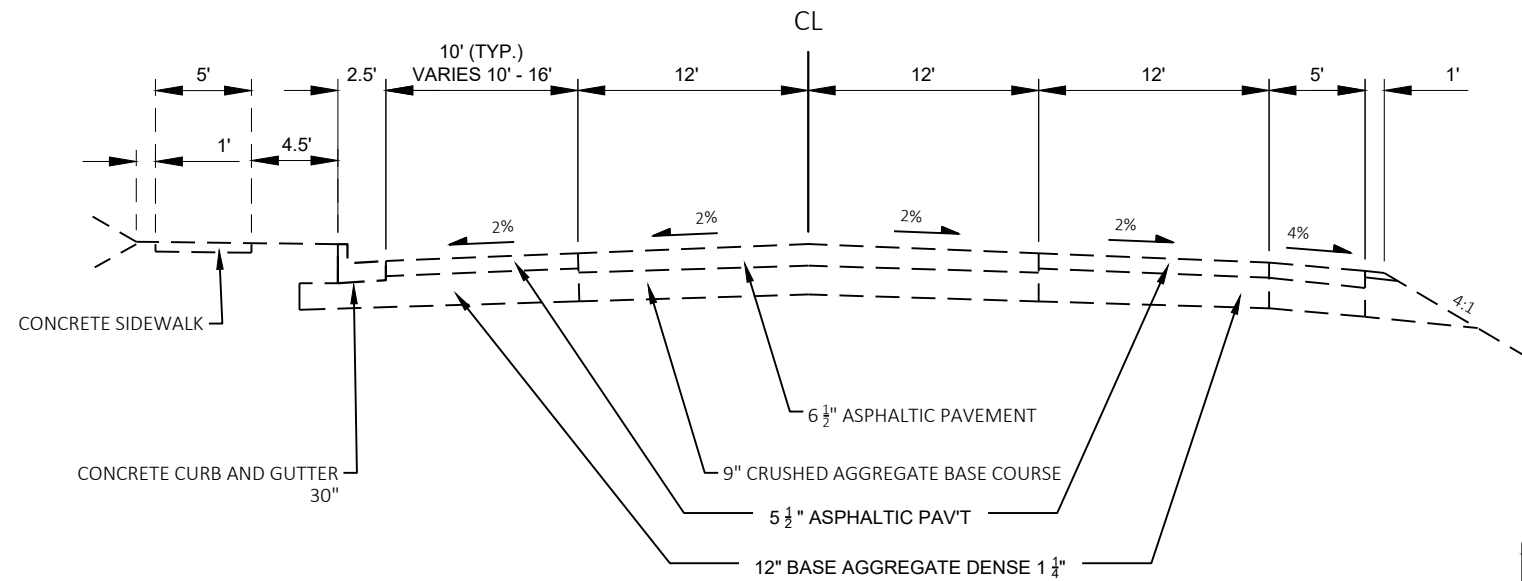






|                        |             |                  |                  |       |   |
|------------------------|-------------|------------------|------------------|-------|---|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | PROJECT OVERVIEW | SHEET | E |
|------------------------|-------------|------------------|------------------|-------|---|

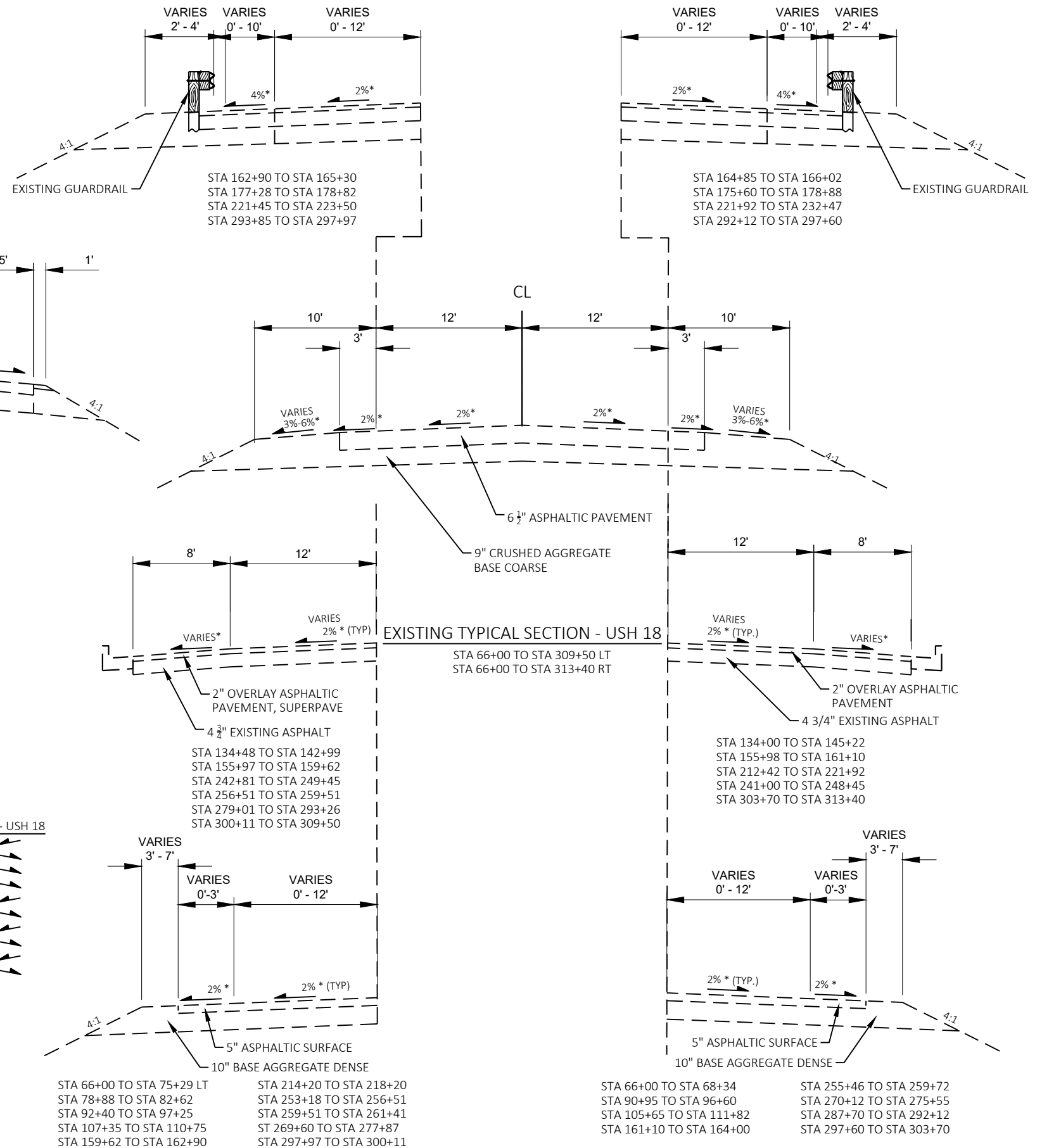


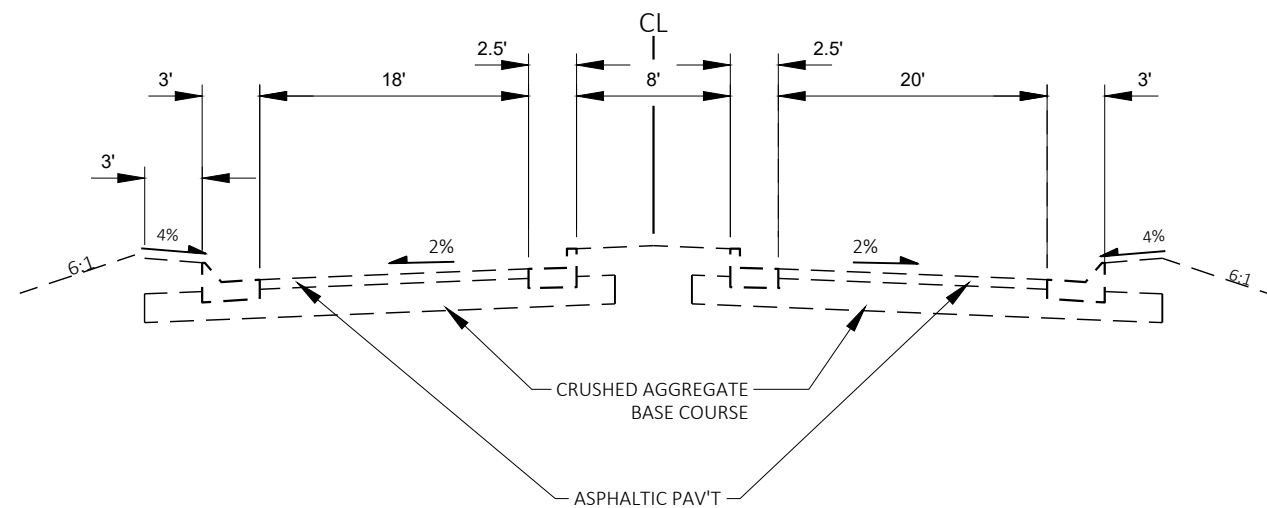
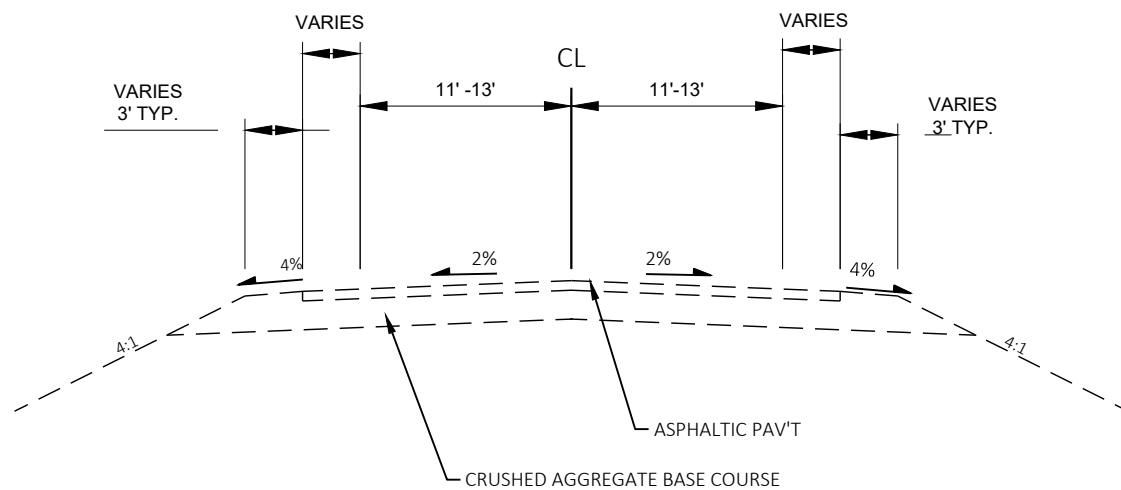
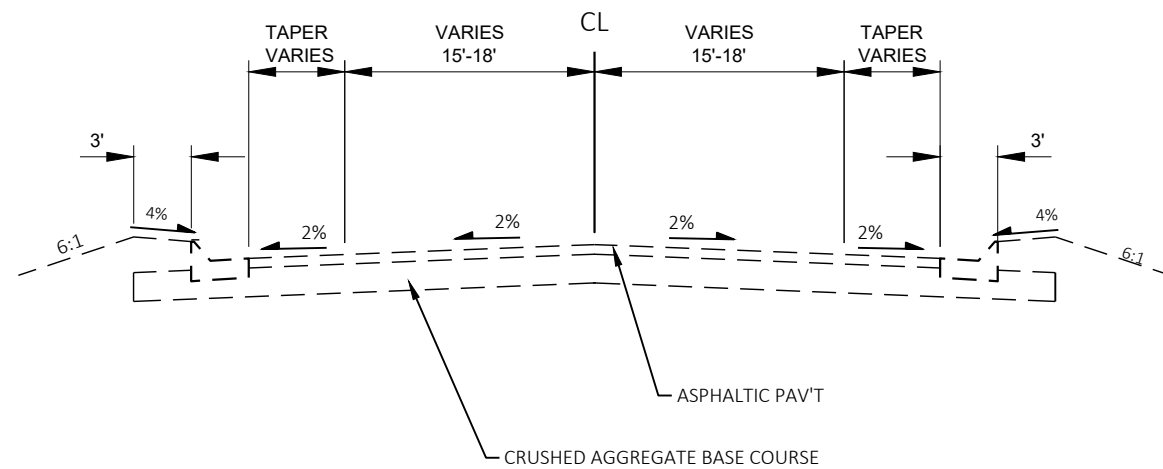
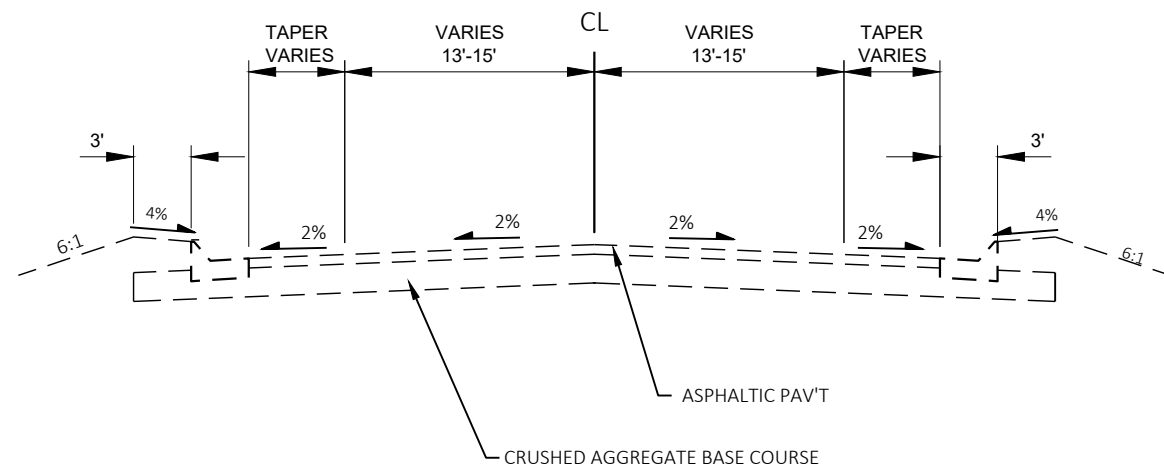


EXISTING TYPICAL SECTION - USH 18  
STA 56+50 TO STA 66+00

\*EXISTING SUPERELEVATED SECTION - USH 18

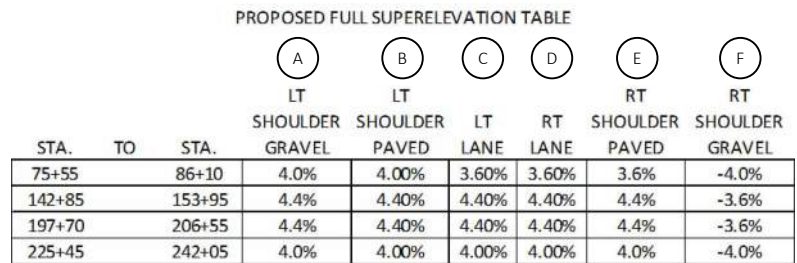
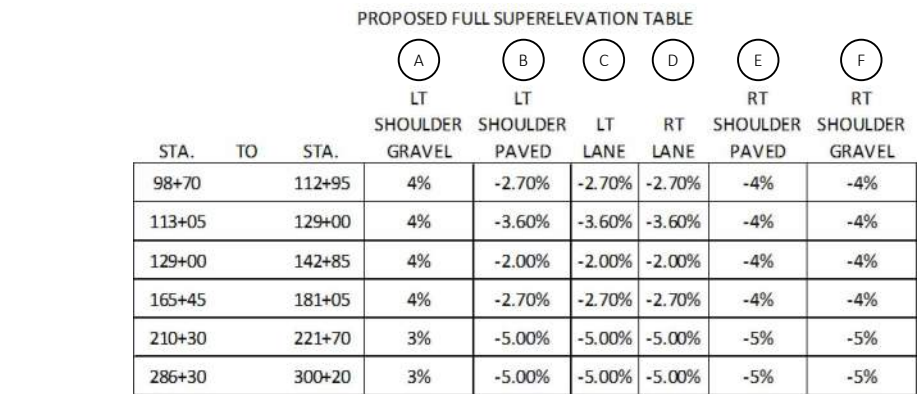
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|--------------------------|------|
| STA 75+55 TO STA 86+10   | 3.6% |
| STA 98+70 TO STA 112+95  | 2.7% |
| STA 113+05 TO STA 129+00 | 3.6% |
| STA 129+00 TO STA 142+85 | 2.0% |
| STA 142+85 TO STA 153+95 | 4.4% |
| STA 165+45 TO STA 181+05 | 2.7% |
| STA 197+70 TO STA 206+55 | 4.4% |
| STA 210+30 TO STA 221+70 | 5.0% |
| STA 225+45 TO STA 242+05 | 4.0% |
| STA 286+30 TO STA 300+20 | 5.0% |

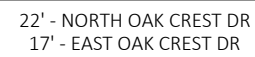








[illegible]



20' - OAKMONT DR



LEGEND



ASPHALTIC REPAIR



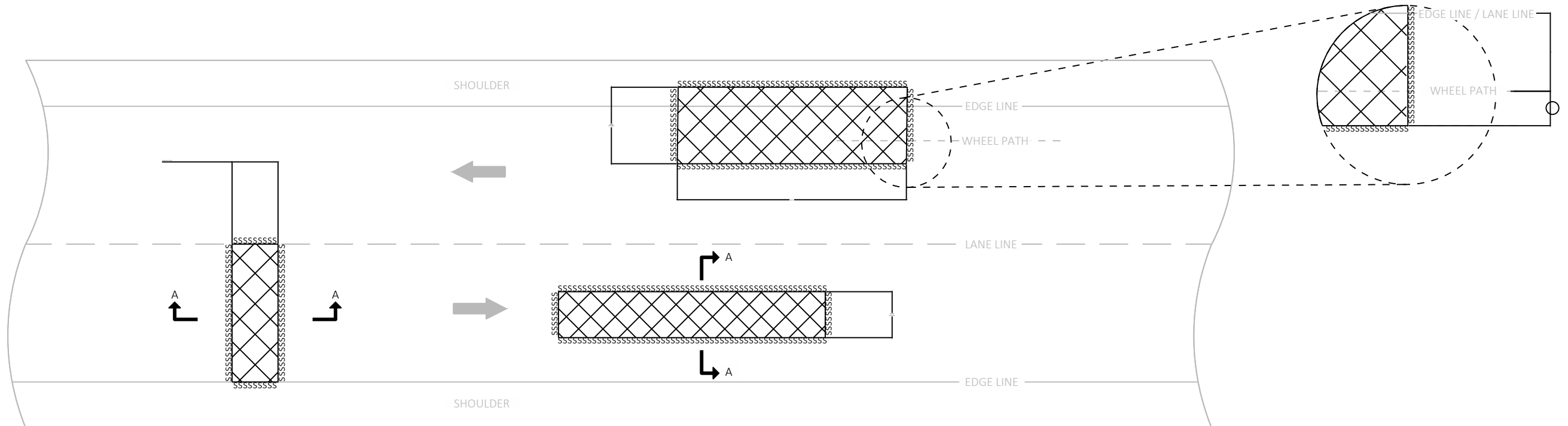
VERTICAL MILLED EDGE  
SAW CUTTING AT THE CONTRACTORS DISCRETION



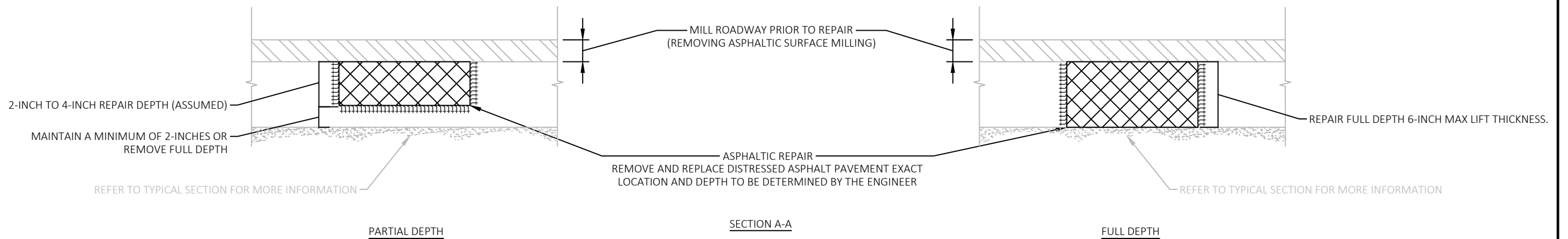
TACK COAT

GENERAL NOTES

- ① EXACT LOCATION, DEPTH AND SIZE OF REPAIR TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
- ② MILL PAVEMENT PER PLAN PRIOR TO MAKING ASPHALTIC REPAIR.
- ③ LOCATE LONGITUDINAL REPAIR JOINTS OUTSIDE OF WHEEL PATH. 12-INCH MINIMUM (24-INCH RECOMMENDED) FROM THE CENTER OF THE WHEEL PATH.
- ④ ASPHALTIC REPAIR PAVING TO BE DONE ON THE SAME DAY AS REMOVAL.



PLAN VIEW



SECTION A-A

ASPHALTIC REPAIR

FULL DEPTH REPAIRS ARE REQUIRED FOR THE  
CATTLE PASS TRENCH REMOVAL AND TRAFFIC  
SIGNAL LOOP REPLACEMENT LOCATIONS.

PROJECT NO: 2210-12-70

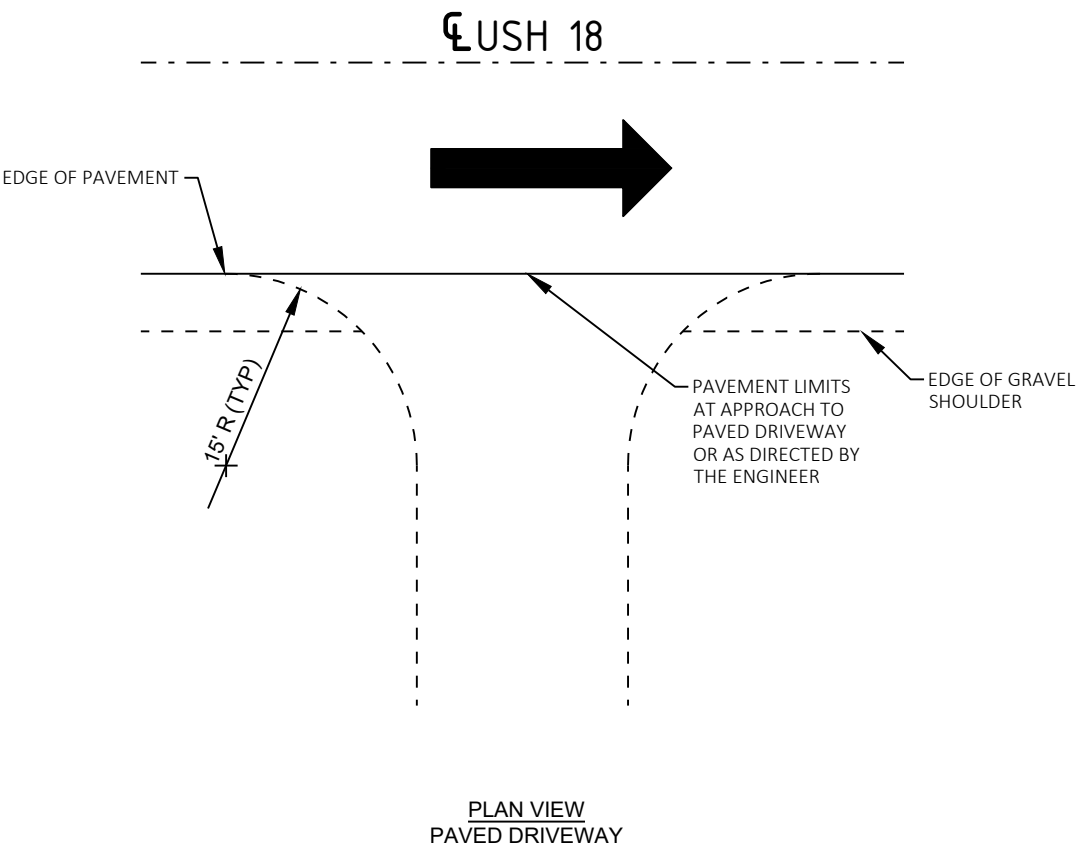
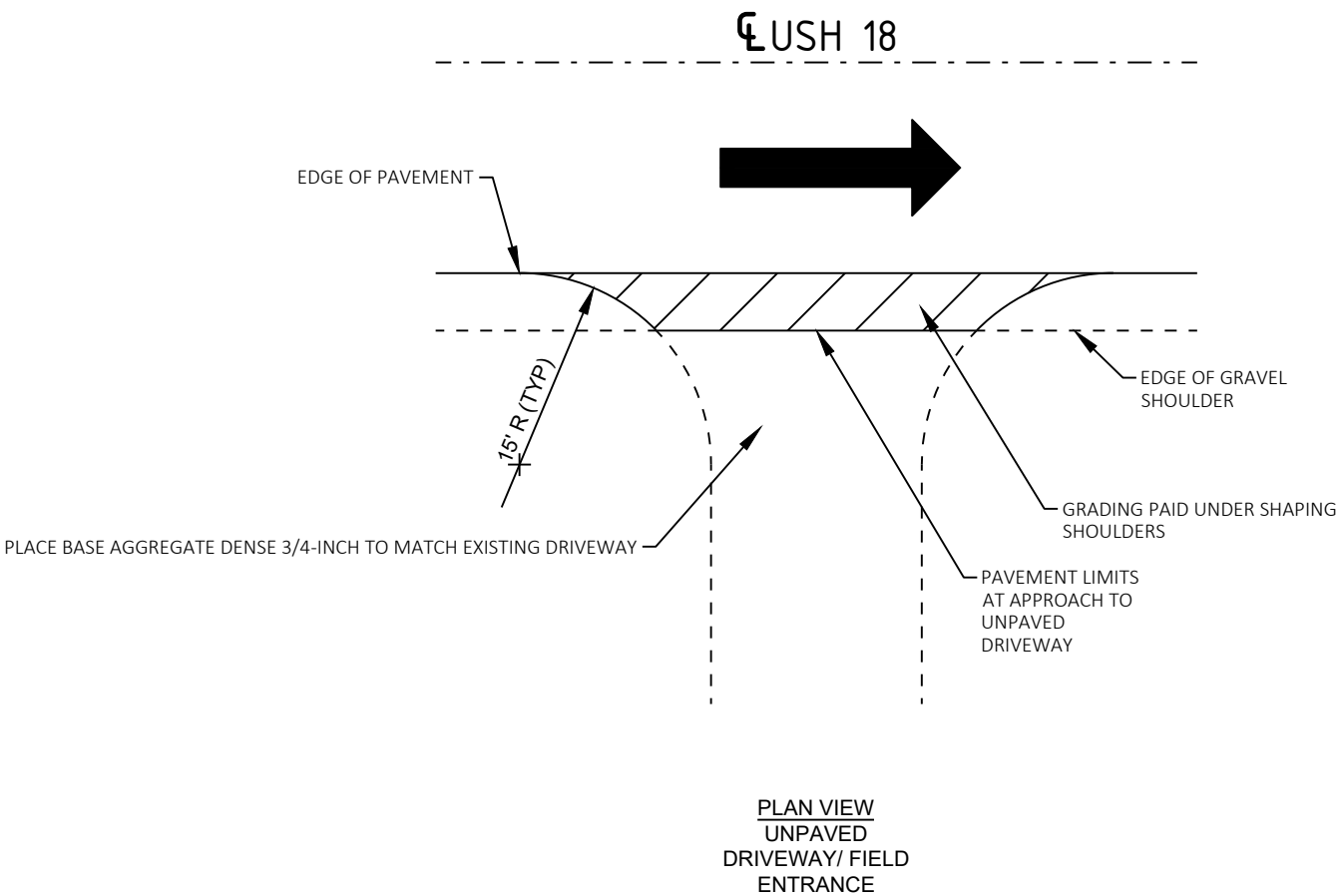
HWY: USH 18

COUNTY: WAUKESHA

CONSTRUCTION DETAILS

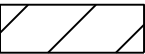
SHEET

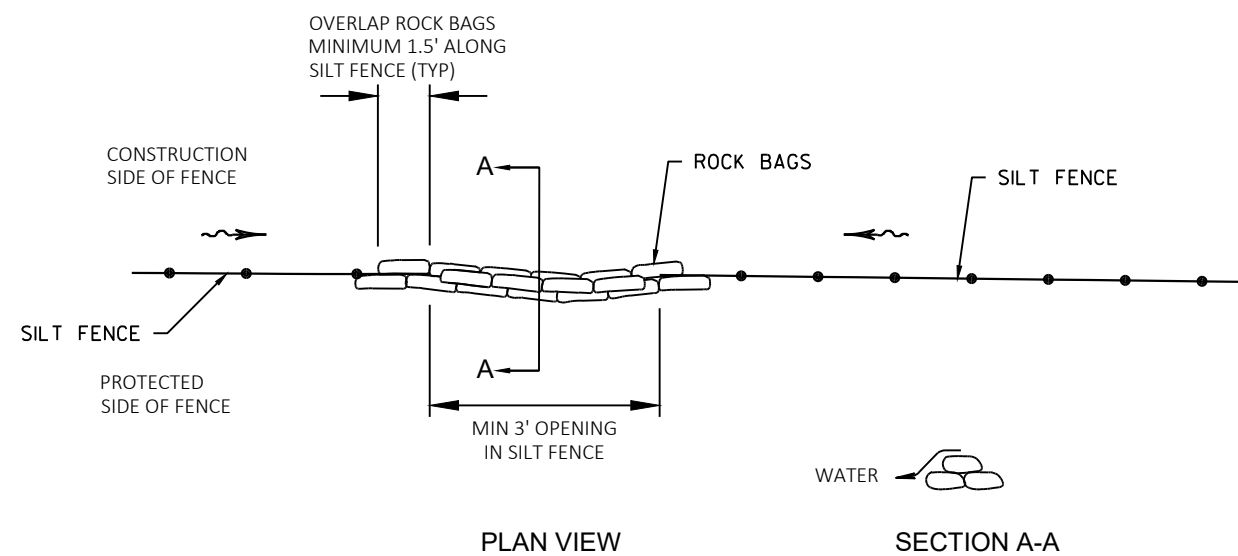
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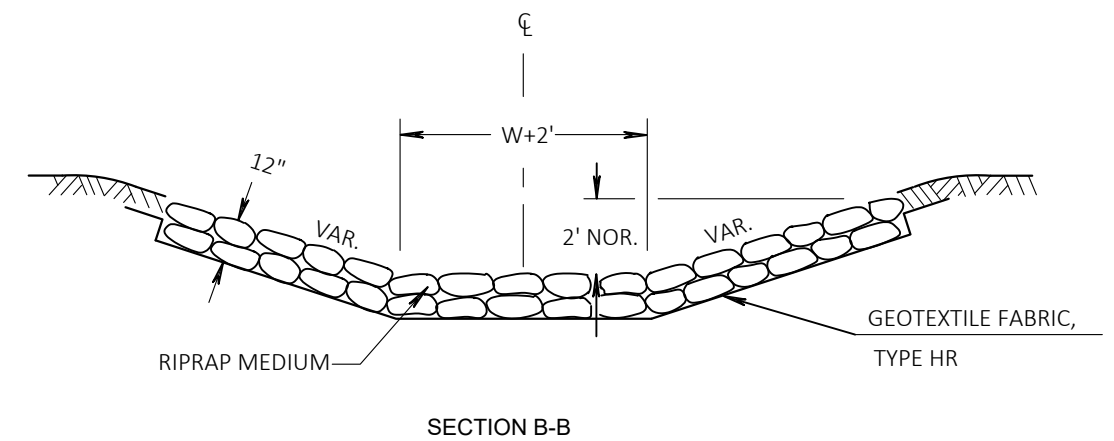
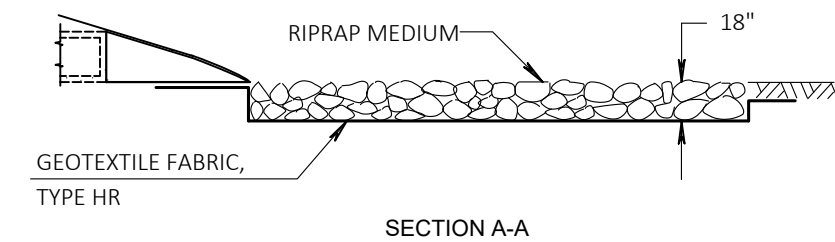
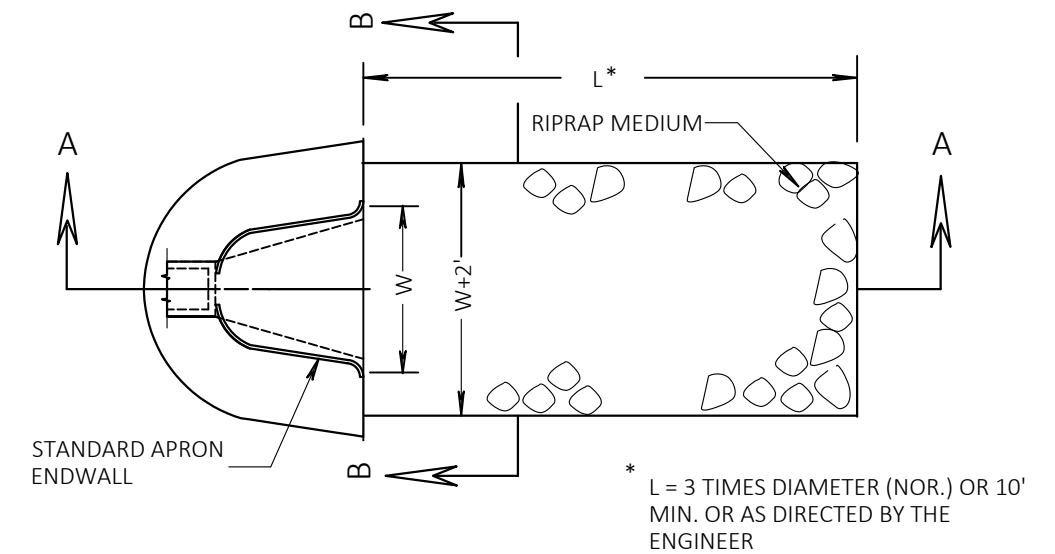
ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

NOTE: DRIVEWAY TO BE REPLACED IN KIND

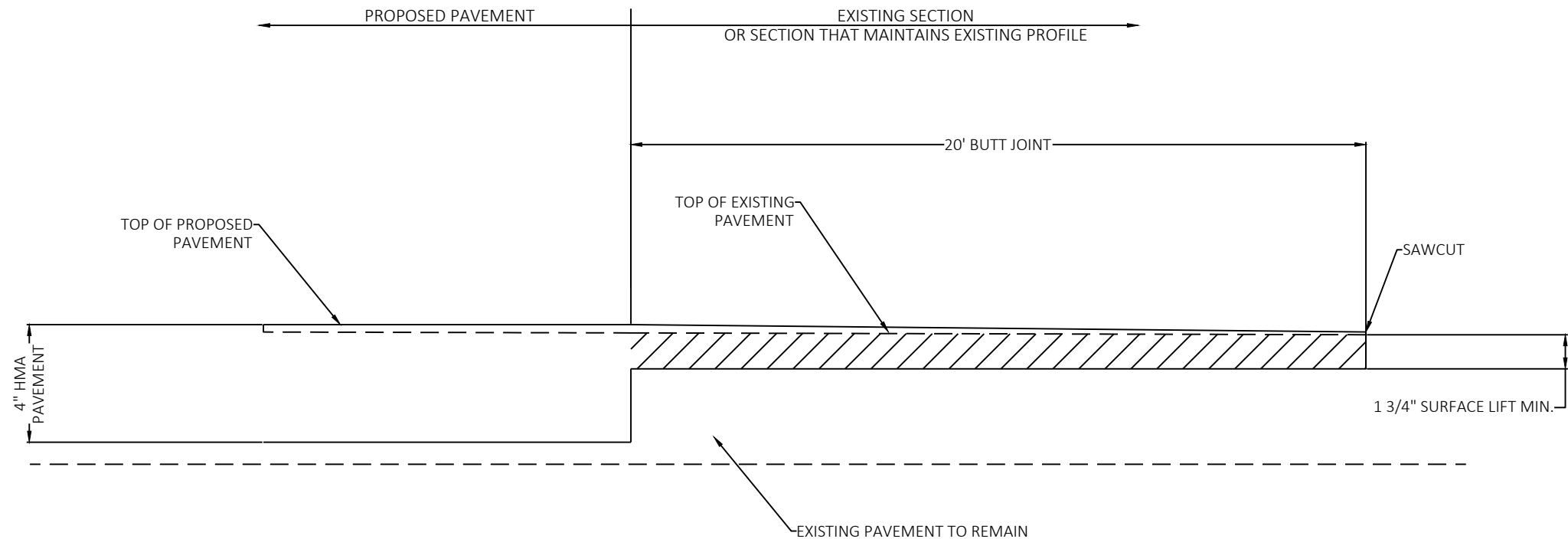
 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES



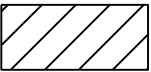
SILT FENCE DRAINAGE OUTLET, ROCK BAGS



RIPRAP AND GEOTEXTILE FABRIC DETAIL  
AT APRON ENDWALLS

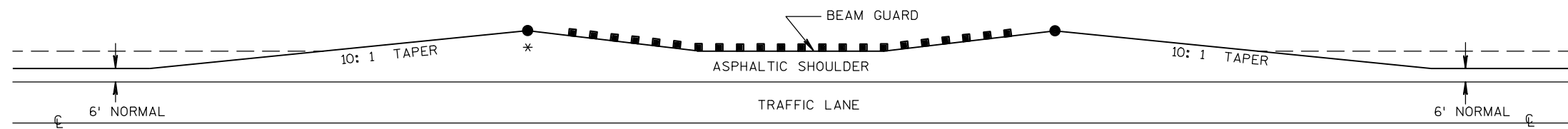


REMOVING ASPHALTIC SURFACE BUTT JOINT  
AT SIDEROADS



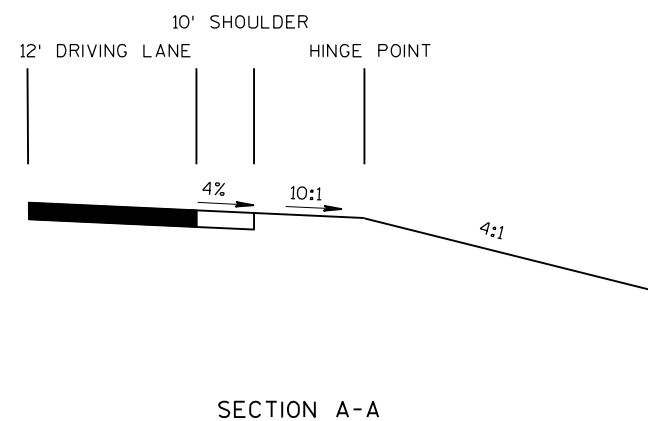
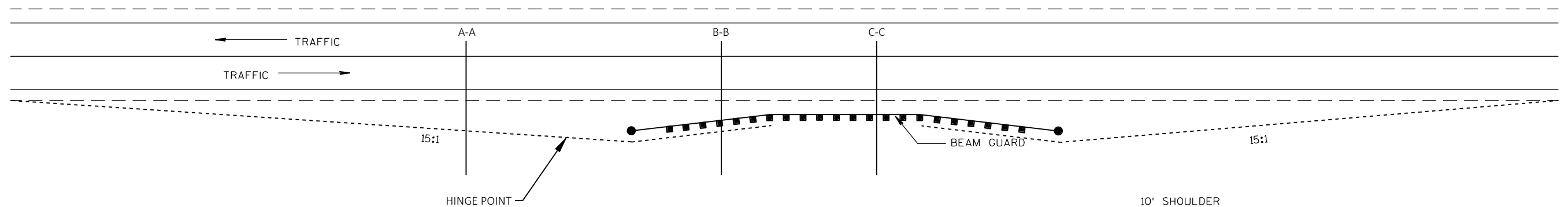
REMOVING ASPHALTIC SURFACE  
BUTT JOINT



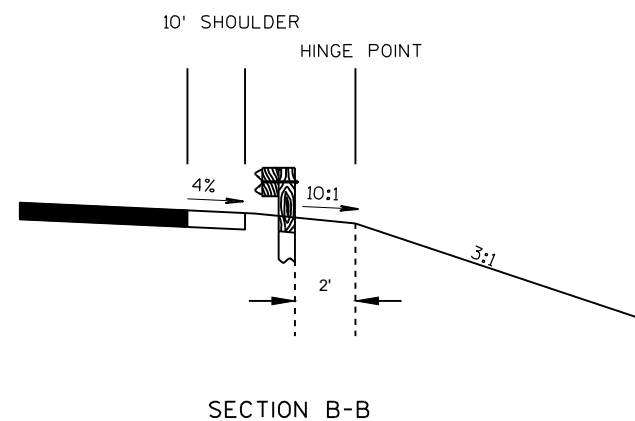


DETAIL FOR ASPHALTIC SHOULDER AT BEAM GUARD

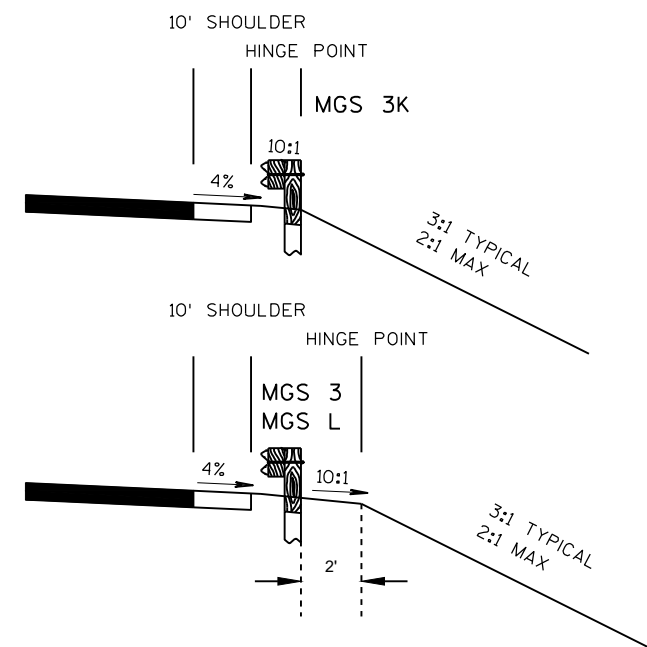
\* PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS



SECTION A-A

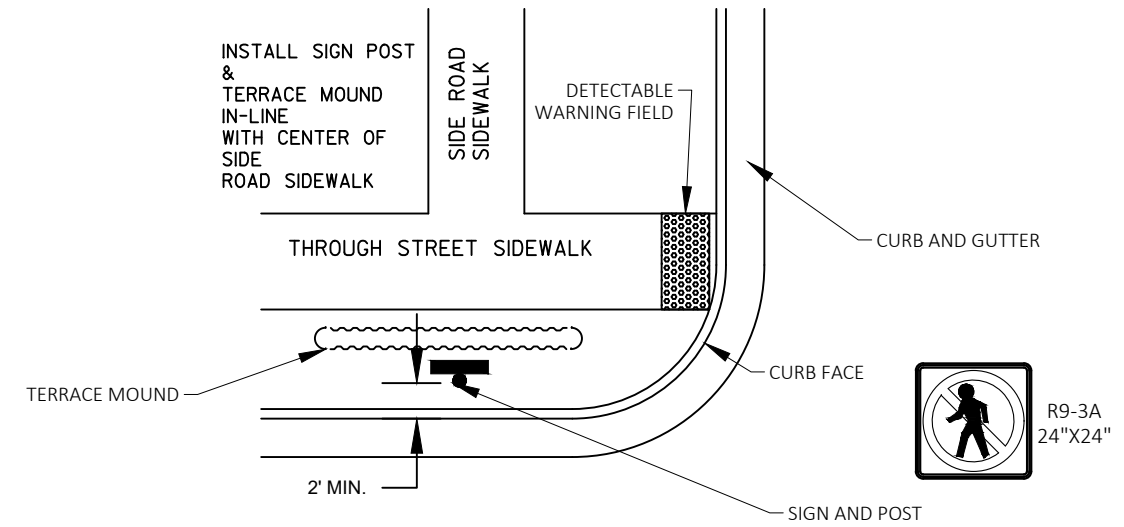


SECTION B-B

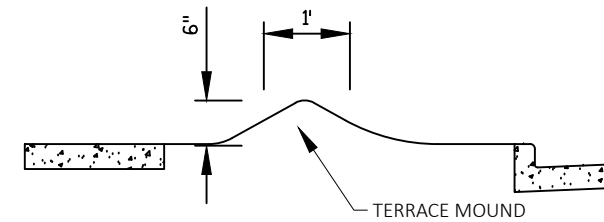


SECTION C-C

GRADING DETAILS FOR GUARDRAIL INSTALLATION

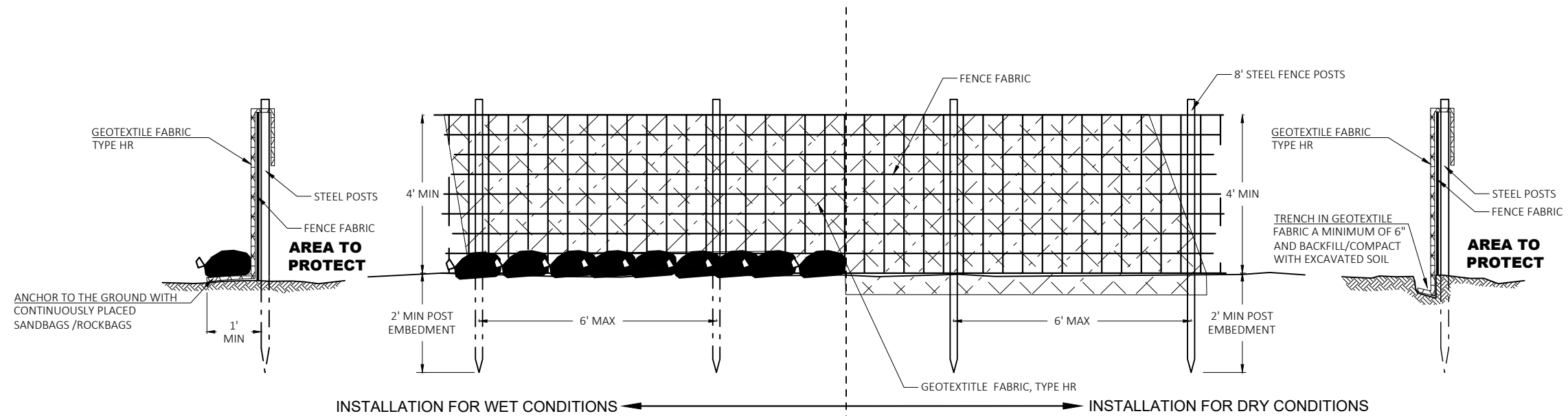


MOUND AND SIGN LOCATION DETAIL



TERRACE MOUND DETAIL

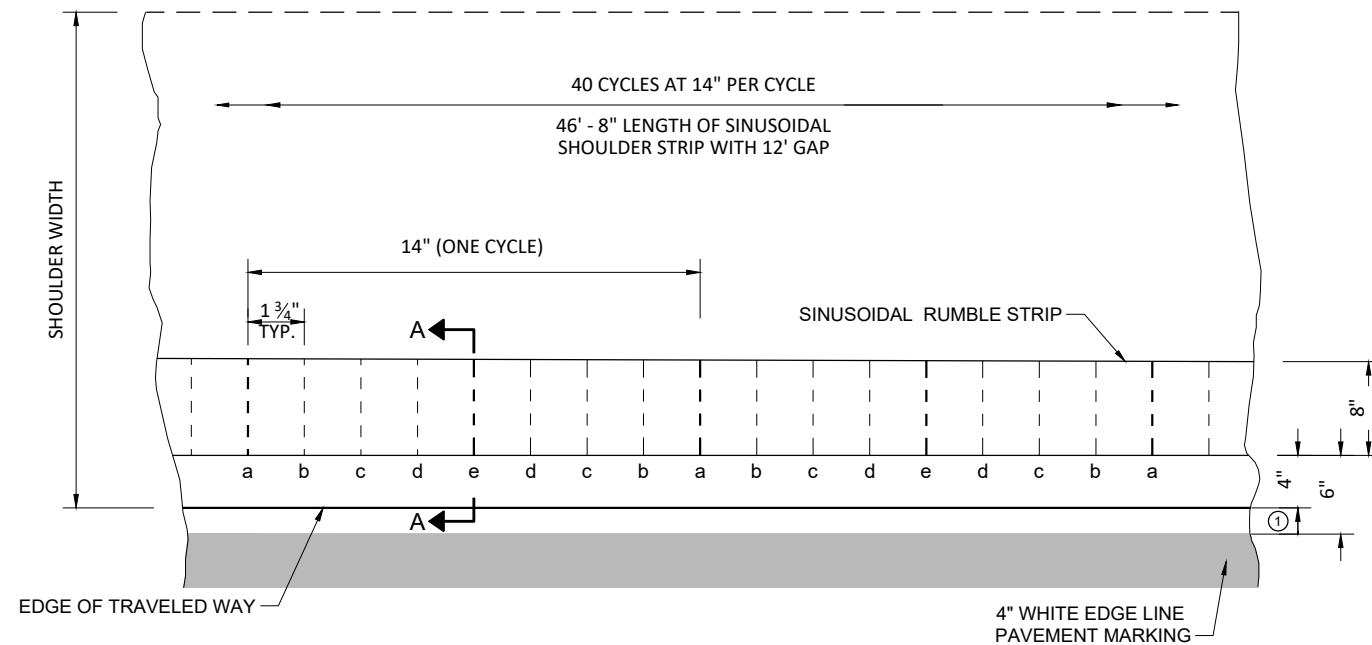
USH 18 & CENTURY OAKS DRIVE



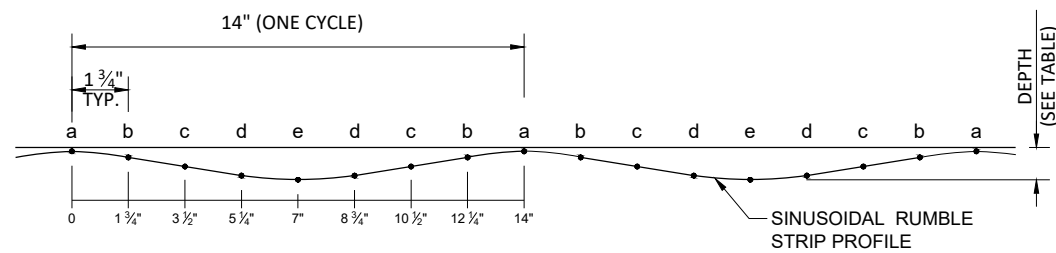
### SILT FENCE HEAVY DUTY

#### GENERAL NOTES:

1. ATTACH FENCE FABRIC TO POSTS A MINIMUM OF 3 TIES PER POST (TOP, MIDDLE, BOTTOM)
2. ATTACH GEOTEXTILE FABRIC TO FENCE FABRIC AND/OR POSTS AT A MAXIMUM SPACING OF EVERY 2 FEET ALONG THE TOP AND ADDITIONALLY AS NECESSARY TO PREVENT DISPLACEMENT BY WIND AND WAVE ACTIONS.

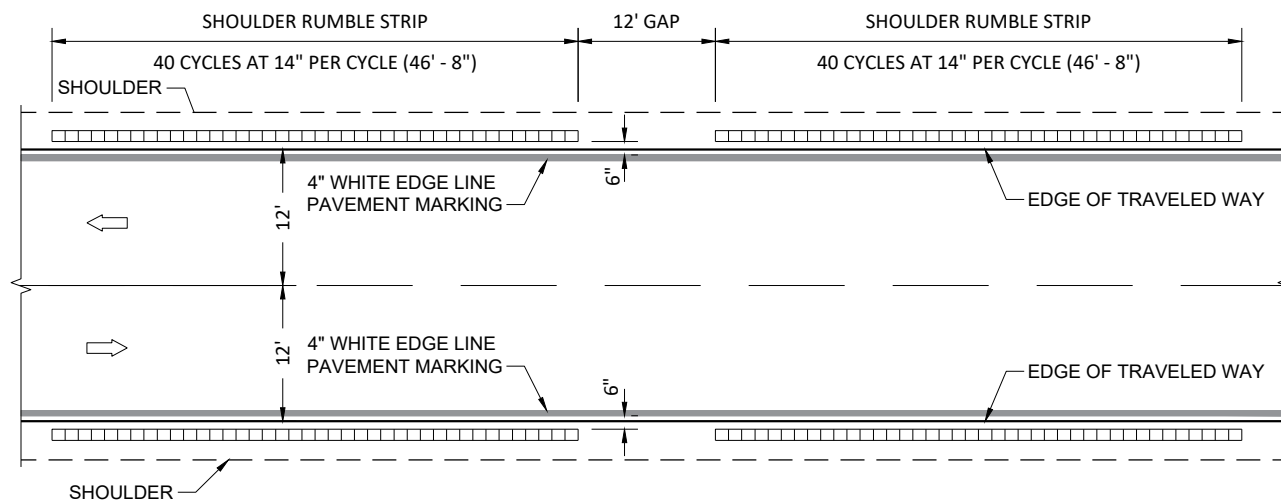


**PLAN VIEW  
SINUSOIDAL SHOULDER RUMBLE STRIPS**



**PROFILE VIEW  
SINUSOIDAL SHOULDER RUMBLE STRIPS**

| LOCATION | DEPTH (INCHES) |
|----------|----------------|
| a        | 1/16"          |
| b        | 5/32"          |
| c        | 9/32"          |
| d        | 7/16"          |
| e        | 1/2"           |



**TYPE 1  
SINUSOIDAL SHOULDER RUMBLE STRIPS,  
2-LANE ASPHALTIC ROADWAY**

### GENERAL NOTES

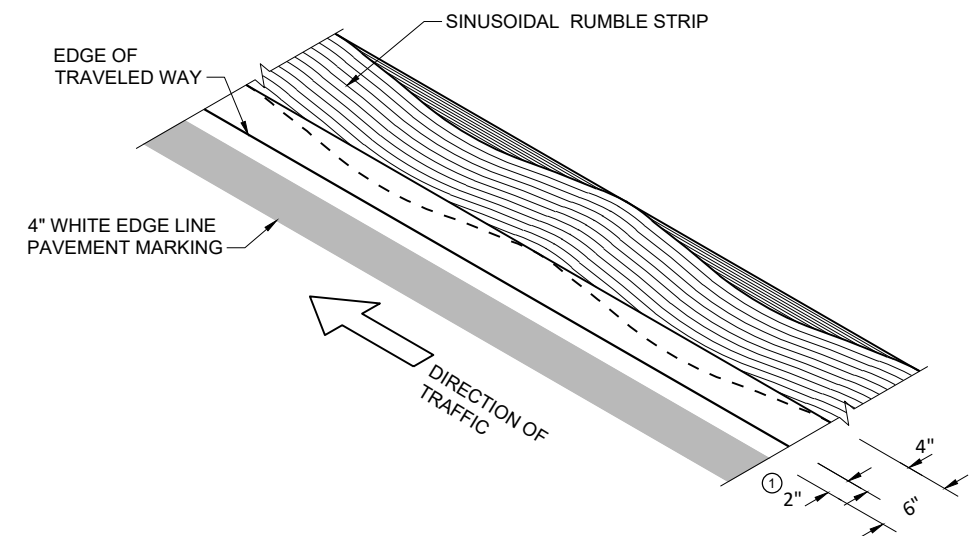
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

GAP SINUSOIDAL RUMBLE STRIPS AT INTERSECTIONS, BRIDGE AND APPROACH SLABS, RAILROADS, DRIVEWAYS, PASSING AND CLIMBING LANES, AND OTHER MISCELLANEOUS CROSSINGS

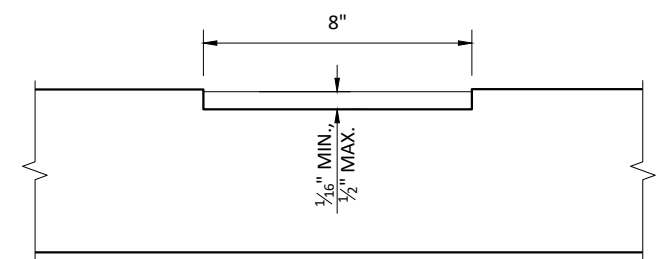
SHOULDER RUMBLE STRIPS MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.

TEMPORARY PAVEMENT MARKINGS ARE TYPICALLY PLACED PRIOR TO RUMBLE STRIP INSTALLATION. PERMANENT MARKINGS ARE INSTALLED AFTER RUMBLE STRIP INSTALLATION.

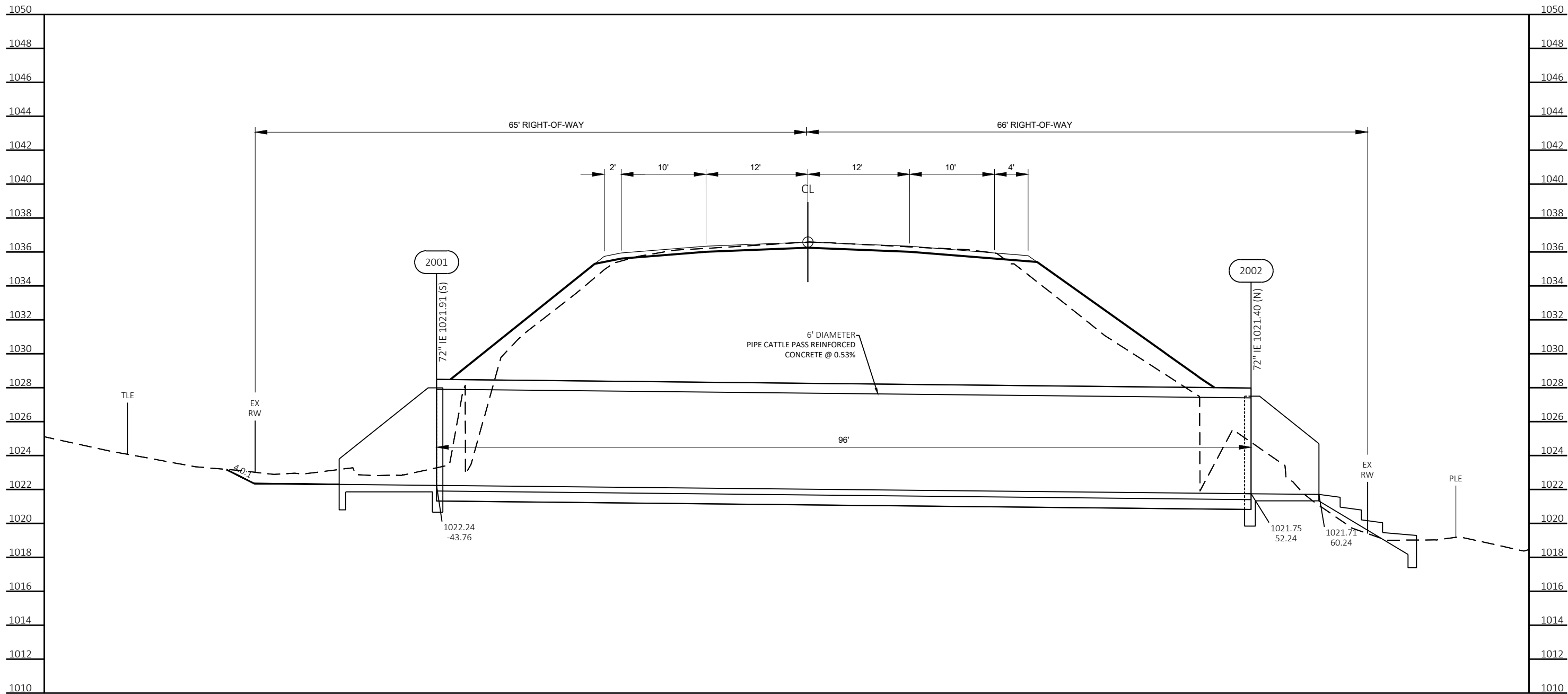
① REFER TO SDD 15C8 - SHEET "a" LONGITUDINAL MARKINGS (MAINLINE).



**ISOMETRIC**



**SECTION A - A**



CATTLE PASS DETAIL

NOTE: SEE STANDARD DETAIL DRAWING - DETAILS FOR PIPE CATTLE PASS, CONCRETE END WALL AND STEPS, FOR ADDITIONAL INFORMATION. SEE ADDITIONAL CONSTRUCTION DETAIL FOR FOR ADDITIONAL CATTLE PASS END WALL AND STAIR SPECIFICATIONS.

\*VERIFY ELEVATIONS TO FIT FIELD CONDITIONS



2

## GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP  
NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE  
PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS  
AND THE APPLICABLE SPECIAL PROVISIONS.

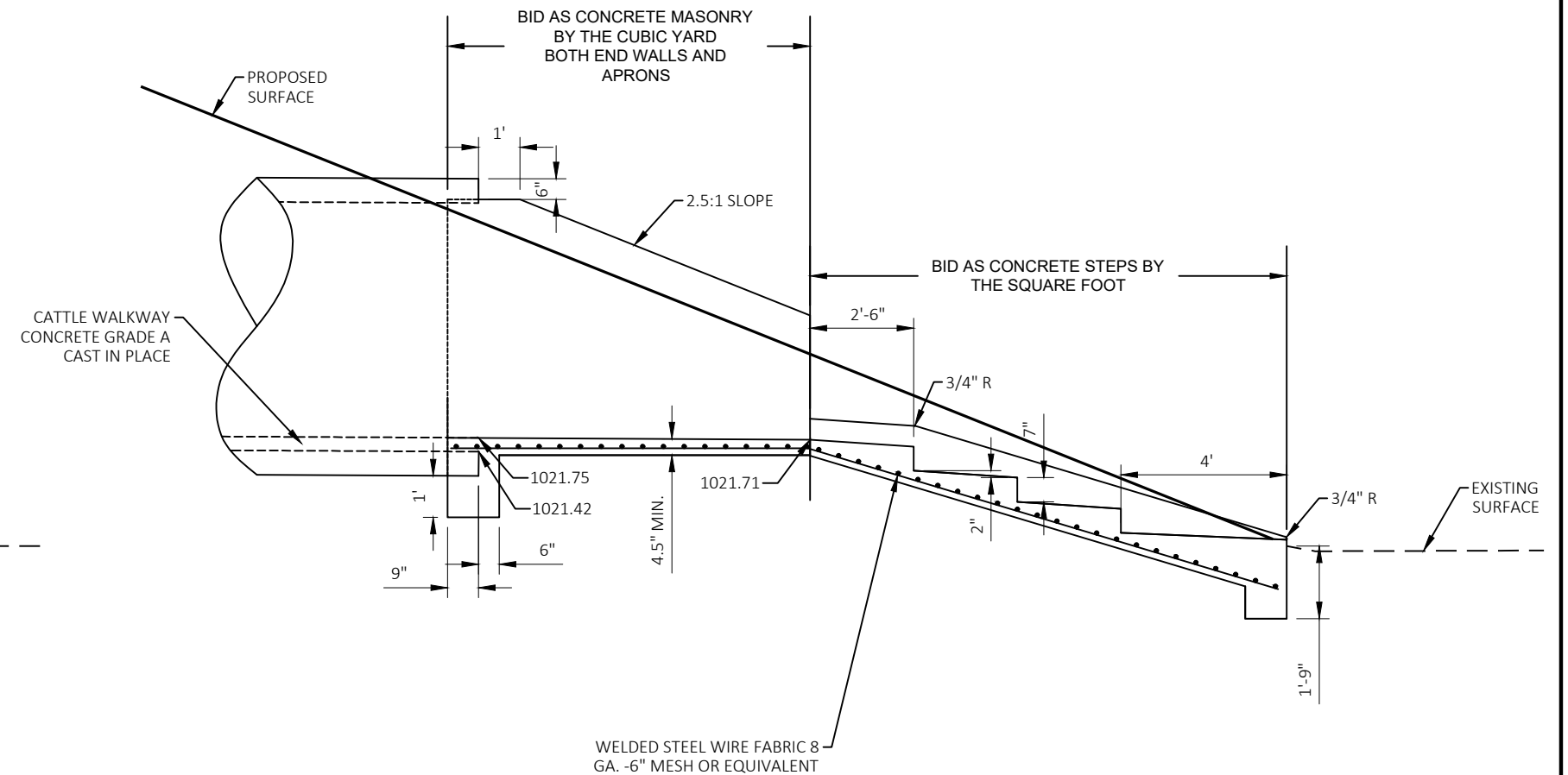
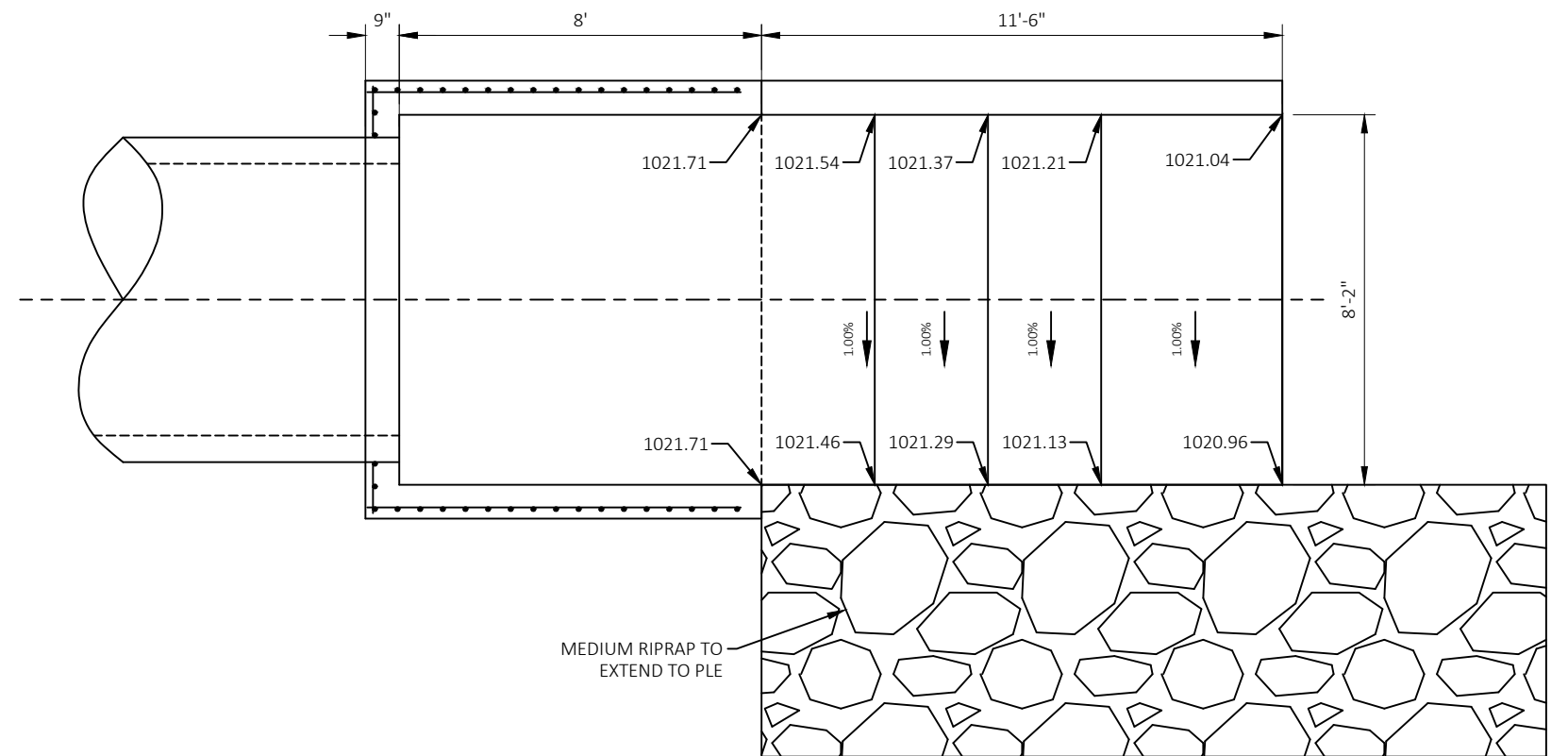
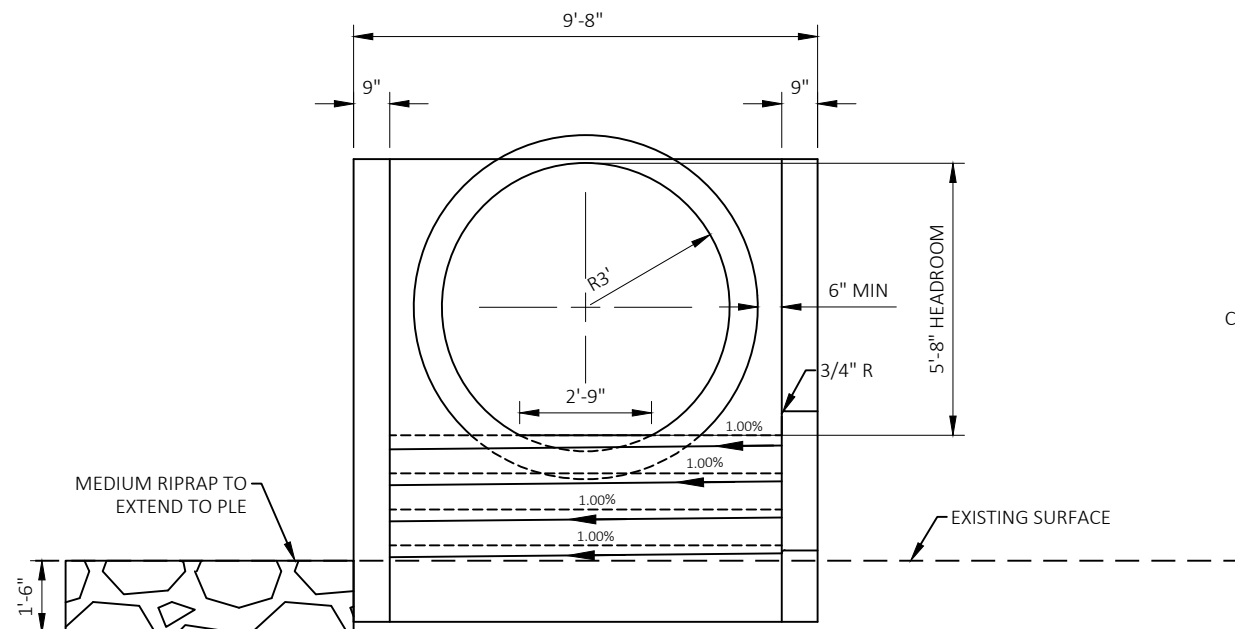
ALL STEEL REINFORCEMENT IN ENDWALLS AND CATTLE PASS STEPS SHALL EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

ALL STEEL REINFORCEMENT OR FABRIC USED AS SHOWN SHALL BE INCIDENTAL TO THE BID ITEM OF WHICH IT IS AN INTEGRAL PART.

EYE-RODS FOR FENCE CONNECTIONS SHALL BE PROVIDED BY THE CONTRACTOR AS AN INCIDENTAL TO THE BID ITEM OF CONCRETE MASONRY, ENDWALLS AND SHALL BE GALVANIZED.

CONCRETE USED FOR THE CATTLE WALKWAY WITHIN THE PIPE SHALL BE INCIDENTAL TO THE BID ITEM OF PIPE CATTLE PASS

REFER TO STANDARD DETAIL DRAWING 8F3 DETAILS FOR PIPE  
CATTLE PASS, CONCRETE ENDWALLS AND STEPS FOR FURTHER  
DETAILS ON CONSTRUCTION SPECIFICATIONS.



2 |

| OAK NW1      |          |           |           |           |           |
|--------------|----------|-----------|-----------|-----------|-----------|
| POINT NUMBER | STATION  | OFFSET    | ELEVATION | NORTHING  | EASTING   |
| 001          | 65+90.87 | 39.74' LT | 1002.65   | 161923.13 | 643975.40 |
| 002          | 65+90.91 | 34.62' LT | 1002.52   | 161918.40 | 643977.37 |
| 003          | 66+15.84 | 42.38' LT | 1002.48   | 161934.93 | 643997.57 |
| 004          | 66+15.89 | 37.38' LT | 1002.43   | 161930.32 | 643999.49 |
| 005          | 66+12.94 | 30.03' LT | 1002.56   | 161922.40 | 643999.50 |
| 006          | 66+15.96 | 30.36' LT | 1002.14   | 161923.84 | 644002.18 |
| 007          | 66+20.95 | 31.43' LT | 1002.16   | 161926.69 | 644006.41 |
| 008          | 66+23.89 | 32.50' LT | 1002.68   | 161928.79 | 644008.73 |
| 009          | 66+20.89 | 37.41' LT | 1002.40   | 161932.22 | 644004.11 |
| 010          | 66+20.84 | 42.43' LT | 1002.45   | 161936.85 | 644002.19 |
| 011          | 66+25.75 | 42.81' LT | 1002.40   | 161939.05 | 644006.59 |
| 012          | 66+25.97 | 37.83' LT | 1002.36   | 161934.51 | 644008.66 |
| 013          | 66+32.06 | 36.45' LT | 1002.77   | 161935.52 | 644014.83 |
| 014          | 66+34.52 | 38.18' LT | 1002.31   | 161938.04 | 644016.46 |
| 015          | 66+30.62 | 38.20' LT | 1002.34   | 161936.60 | 644012.84 |
| 016          | 66+30.65 | 43.20' LT | 1002.37   | 161941.25 | 644011.00 |
| 017          | 66+39.94 | 43.15' LT | 1002.31   | 161944.68 | 644019.63 |
| 018          | 66+41.88 | 45.44' LT | 1002.76   | 161947.53 | 644020.56 |
| 019          | 66+10.22 | 27.43' LT | 1002.16   | 161918.97 | 643997.96 |
| 020          | 66+15.58 | 27.38' LT | 1002.21   | 161920.93 | 644002.94 |
| 021          | 66+23.60 | 29.62' LT | 1002.25   | 161926.01 | 644009.54 |
| 022          | 66+31.08 | 33.06' LT | 1002.33   | 161932.00 | 644015.19 |
| 023          | 66+36.65 | 36.67' LT | 1002.39   | 161937.43 | 644019.00 |
| 024          | 66+44.40 | 44.62' LT | 1002.33   | 161947.71 | 644023.21 |
| 025          | 66+52.37 | 60.82' LT | 1002.22   | 161965.72 | 644024.53 |

| OAK NW1      |          |           |           |           |           |
|--------------|----------|-----------|-----------|-----------|-----------|
| POINT NUMBER | STATION  | OFFSET    | ELEVATION | NORTHING  | EASTING   |
| 025 (1)      | 66+48.83 | 51.96' LT | 1002.27   | 161956.18 | 644024.57 |
| 025 (2)      | 66+00.84 | 42.23' LT | 1002.56   | 161929.18 | 643983.72 |
| 025 (3)      | 66+01.48 | 37.24' LT | 1002.48   | 161924.79 | 643986.18 |

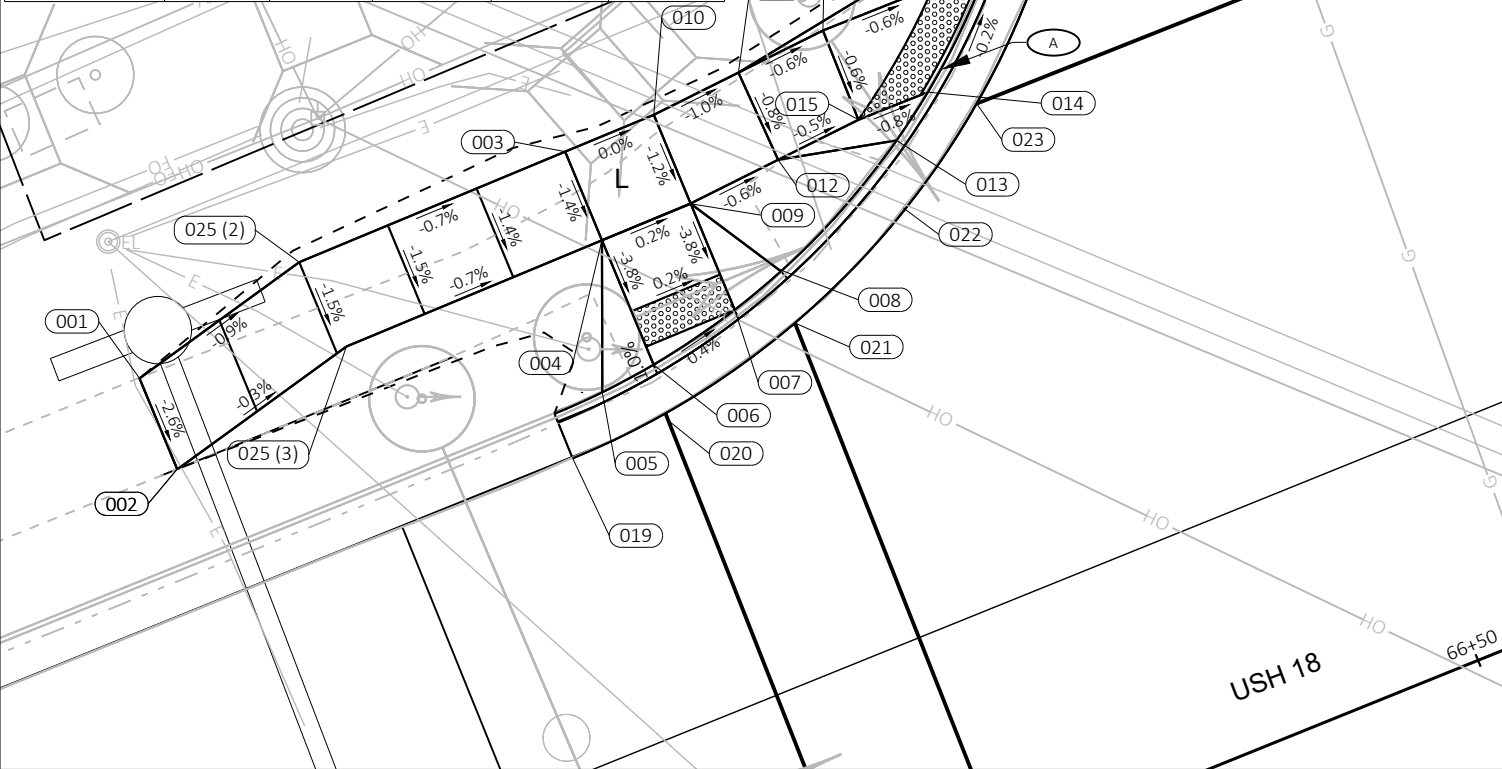
| RADIAL DETECTABLE WARNING FIELD LAYOUT INFORMATION |       |       |
|----------------------------------------------------|-------|-------|
|                                                    | A     | B     |
| BACK OF CURB RADIUS                                | 40.5' | 45.5' |
| LANDING LENGTH 'XR'                                | 9.3'  | 9.2'  |
| RADIAL WARNING FIELD AREA                          | 15.4' | 15.2' |
| RADIAL LONG CHORD DIMENSION                        | 7.4'  | 7.3'  |

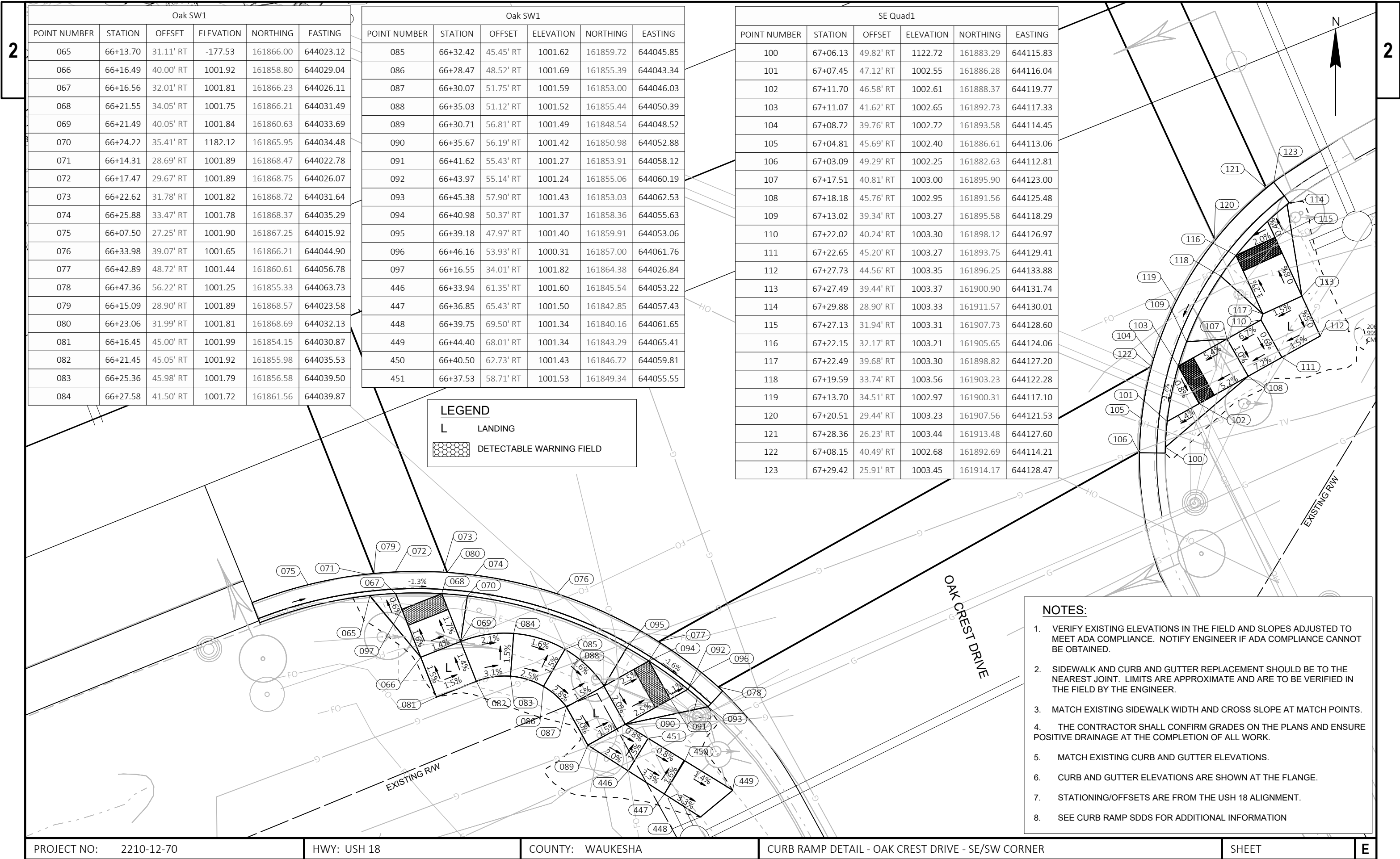
LEGEND

L

LANDING

DETECTABLE WARNING FIELD





| SWOakmont1   |           |           |           |           |           |
|--------------|-----------|-----------|-----------|-----------|-----------|
| POINT NUMBER | STATION   | OFFSET    | ELEVATION | NORTHING  | EASTING   |
| 131          | 273+34.70 | 45.56' RT | 996.13    | 164613.65 | 664050.18 |
| 132          | 273+34.72 | 50.56' RT | 996.07    | 164608.77 | 664051.23 |
| 133          | 273+28.52 | 50.59' RT | 996.22    | 164607.46 | 664045.18 |
| 134          | 273+28.55 | 45.59' RT | 996.25    | 164612.36 | 664044.17 |
| 135          | 273+32.52 | 43.50' RT | -29.27    | 164615.22 | 664047.62 |
| 136          | 273+41.09 | 52.89' RT | 995.99    | 164607.80 | 664057.95 |
| 137          | 273+39.28 | 50.50' RT | 996.00    | 164609.77 | 664055.68 |
| 138          | 273+23.55 | 45.61' RT | 996.30    | 164611.30 | 664039.28 |
| 139          | 273+23.34 | 50.56' RT | 996.35    | 164606.41 | 664040.10 |
| 140          | 273+18.55 | 45.40' RT | 996.35    | 164610.47 | 664034.35 |
| 141          | 273+18.35 | 50.35' RT | 996.40    | 164605.58 | 664035.17 |
| 142          | 273+18.12 | 55.99' RT | 996.44    | 164600.02 | 664036.11 |
| 143          | 273+23.09 | 56.75' RT | 996.44    | 164600.31 | 664041.13 |
| 144          | 273+43.08 | 50.53' RT | 995.97    | 164610.53 | 664059.41 |
| 145          | 273+38.96 | 45.55' RT | 996.12    | 164614.55 | 664054.35 |

| MedOakmont1  |           |           |           |           |           |
|--------------|-----------|-----------|-----------|-----------|-----------|
| POINT NUMBER | STATION   | OFFSET    | ELEVATION | NORTHING  | EASTING   |
| 146          | 273+75.43 | 45.39' RT | 996.64    | 164622.24 | 664090.00 |
| 147          | 273+75.19 | 50.40' RT | 996.50    | 164617.30 | 664090.80 |
| 148          | 273+78.62 | 50.38' RT | 996.59    | 164618.02 | 664094.15 |
| 149          | 273+78.55 | 45.38' RT | 996.66    | 164622.90 | 664093.05 |
| 150          | 273+81.72 | 45.37' RT | 996.71    | 164623.57 | 664096.15 |
| 151          | 273+82.01 | 50.37' RT | 996.55    | 164618.74 | 664097.46 |
| 152          | 273+84.23 | 45.36' RT | 996.78    | 164624.10 | 664098.60 |
| 153          | 273+84.51 | 50.36' RT | 996.62    | 164619.26 | 664099.90 |
| 154          | 273+72.87 | 45.40' RT | 996.68    | 164621.70 | 664087.49 |
| 155          | 273+72.71 | 50.40' RT | 996.56    | 164616.78 | 664088.37 |

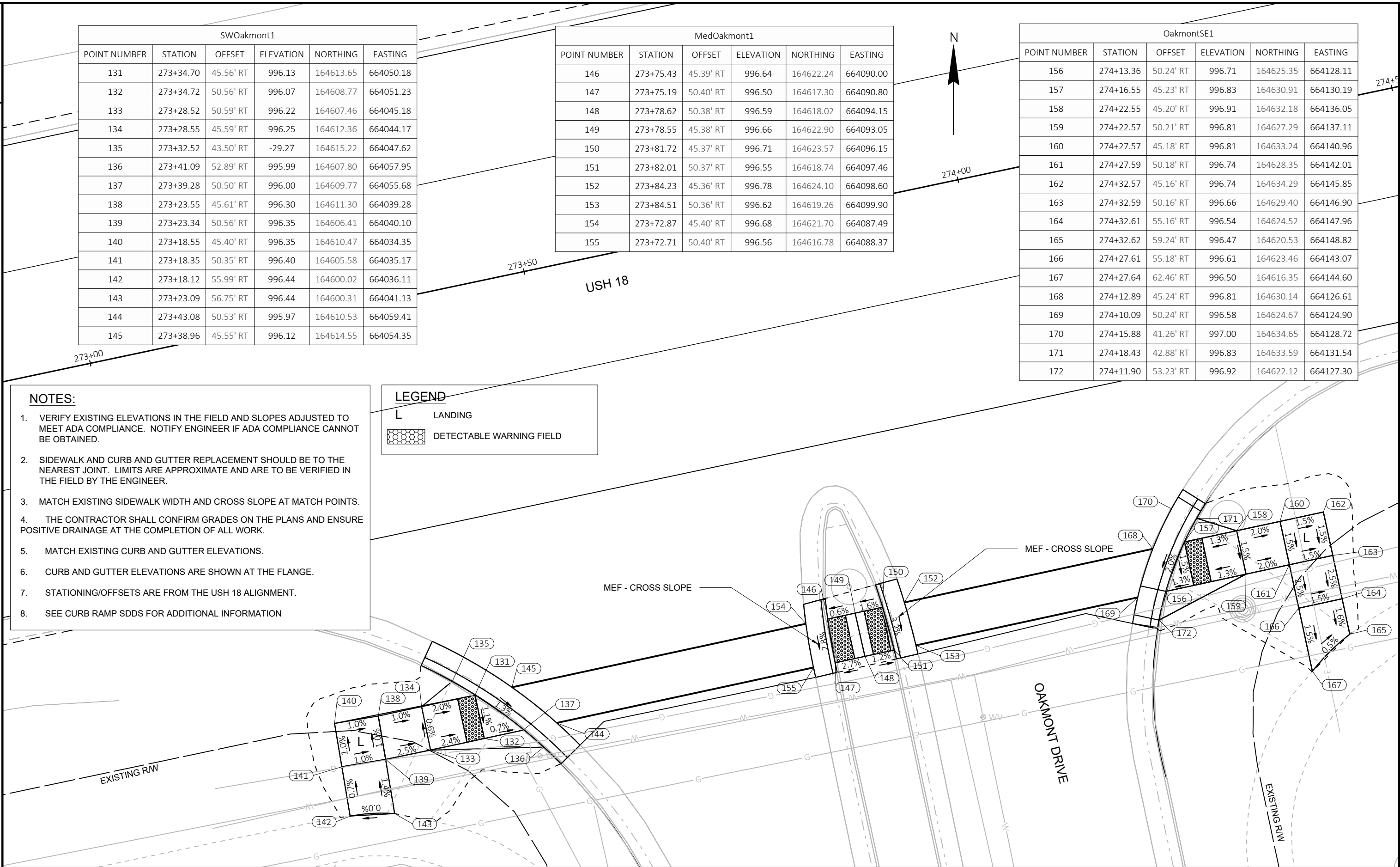
| OakmontSE1   |           |           |           |           |           |
|--------------|-----------|-----------|-----------|-----------|-----------|
| POINT NUMBER | STATION   | OFFSET    | ELEVATION | NORTHING  | EASTING   |
| 156          | 274+13.36 | 50.24' RT | 996.71    | 164625.35 | 664128.11 |
| 157          | 274+16.55 | 45.23' RT | 996.83    | 164630.91 | 664130.19 |
| 158          | 274+22.55 | 45.20' RT | 996.91    | 164632.18 | 664136.05 |
| 159          | 274+22.57 | 50.21' RT | 996.81    | 164627.29 | 664137.11 |
| 160          | 274+27.57 | 45.18' RT | 996.81    | 164633.24 | 664140.96 |
| 161          | 274+27.59 | 50.18' RT | 996.74    | 164628.35 | 664142.01 |
| 162          | 274+32.57 | 45.16' RT | 996.74    | 164634.29 | 664145.85 |
| 163          | 274+32.59 | 50.16' RT | 996.66    | 164629.40 | 664146.90 |
| 164          | 274+32.61 | 55.16' RT | 996.54    | 164624.52 | 664147.96 |
| 165          | 274+32.62 | 59.24' RT | 996.47    | 164620.53 | 664148.82 |
| 166          | 274+27.61 | 55.18' RT | 996.61    | 164623.46 | 664143.07 |
| 167          | 274+27.64 | 62.46' RT | 996.50    | 164616.35 | 664144.60 |
| 168          | 274+12.89 | 45.24' RT | 996.81    | 164630.14 | 664126.61 |
| 169          | 274+10.09 | 50.24' RT | 996.58    | 164624.67 | 664124.90 |
| 170          | 274+15.88 | 41.26' RT | 997.00    | 164634.65 | 664128.72 |
| 171          | 274+18.43 | 42.88' RT | 996.83    | 164633.59 | 664131.54 |
| 172          | 274+11.90 | 53.23' RT | 996.92    | 164622.12 | 664127.30 |

NOTES:

1. VERIFY EXISTING ELEVATIONS IN THE FIELD AND SLOPES ADJUSTED TO MEET ADA COMPLIANCE. NOTIFY ENGINEER IF ADA COMPLIANCE CANNOT BE OBTAINED.
2. SIDEWALK AND CURB AND GUTTER REPLACEMENT SHOULD BE TO THE NEAREST JOINT. LIMITS ARE APPROXIMATE AND ARE TO BE VERIFIED IN THE FIELD BY THE ENGINEER.
3. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINTS.
4. THE CONTRACTOR SHALL CONFIRM GRADES ON THE PLANS AND ENSURE POSITIVE DRAINAGE AT THE COMPLETION OF ALL WORK.
5. MATCH EXISTING CURB AND GUTTER ELEVATIONS.
6. CURB AND GUTTER ELEVATIONS ARE SHOWN AT THE FLANGE.
7. STATIONING/OFFSETS ARE FROM THE USH 18 ALIGNMENT.
8. SEE CURB RAMP SDDS FOR ADDITIONAL INFORMATION

LEGEND

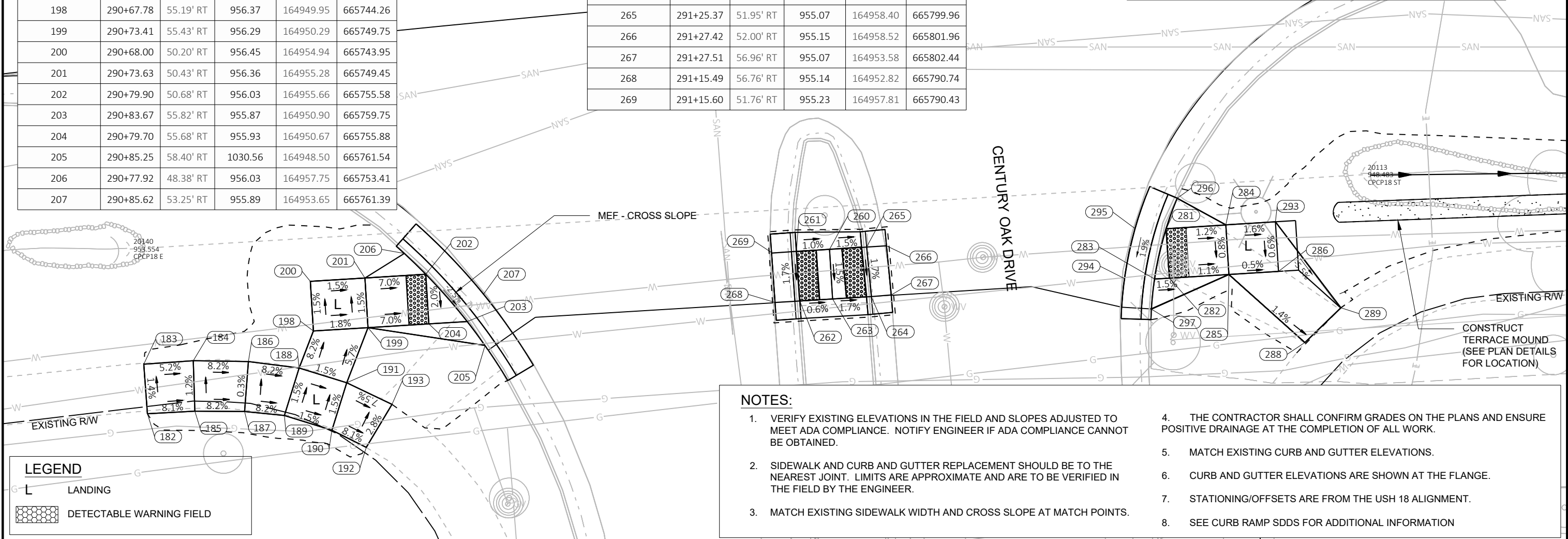
- L LANDING
-  DETECTABLE WARNING FIELD



| CO_SW1       |           |           |           |           |           |
|--------------|-----------|-----------|-----------|-----------|-----------|
| POINT NUMBER | STATION   | OFFSET    | ELEVATION | NORTHING  | EASTING   |
| 180          | 290+44.65 | 56.44' RT | 958.14    | 164946.22 | 665721.97 |
| 181          | 290+44.67 | 61.44' RT | 958.17    | 164941.25 | 665722.57 |
| 182          | 290+49.80 | 61.64' RT | 957.90    | 164941.63 | 665727.55 |
| 183          | 290+50.00 | 56.64' RT | 957.83    | 164946.61 | 665727.18 |
| 184          | 290+55.12 | 56.86' RT | 957.57    | 164946.96 | 665732.17 |
| 185          | 290+54.71 | 61.92' RT | 957.51    | 164941.89 | 665732.33 |
| 186          | 290+60.77 | 57.55' RT | 957.12    | 164946.88 | 665737.71 |
| 187          | 290+59.82 | 62.50' RT | 957.10    | 164941.85 | 665737.33 |
| 188          | 290+65.91 | 58.74' RT | 956.70    | 164946.23 | 665742.82 |
| 189          | 290+63.87 | 63.33' RT | 956.77    | 164941.46 | 665741.34 |
| 190          | 290+68.60 | 65.32' RT | 956.70    | 164939.97 | 665746.12 |
| 191          | 290+70.63 | 60.72' RT | 956.62    | 164944.74 | 665747.61 |
| 192          | 290+71.96 | 67.39' RT | 956.38    | 164938.24 | 665749.58 |
| 193          | 290+75.07 | 63.36' RT | 956.24    | 164942.57 | 665752.17 |
| 194          | 290+78.91 | 66.72' RT | 955.90    | 164939.60 | 665756.22 |
| 195          | 290+75.16 | 70.16' RT | 955.96    | 164935.81 | 665752.96 |
| 196          | 290+77.94 | 73.81' RT | 955.73    | 164932.45 | 665756.00 |
| 197          | 290+82.39 | 71.28' RT | 955.56    | 164935.40 | 665760.04 |
| 198          | 290+67.78 | 55.19' RT | 956.37    | 164949.95 | 665744.26 |
| 199          | 290+73.41 | 55.43' RT | 956.29    | 164950.29 | 665749.75 |
| 200          | 290+68.00 | 50.20' RT | 956.45    | 164954.94 | 665743.95 |
| 201          | 290+73.63 | 50.43' RT | 956.36    | 164955.28 | 665749.45 |
| 202          | 290+79.90 | 50.68' RT | 956.03    | 164955.66 | 665755.58 |
| 203          | 290+83.67 | 55.82' RT | 955.87    | 164950.90 | 665759.75 |
| 204          | 290+79.70 | 55.68' RT | 955.93    | 164950.67 | 665755.88 |
| 205          | 290+85.25 | 58.40' RT | 1030.56   | 164948.50 | 665761.54 |
| 206          | 290+77.92 | 48.38' RT | 956.03    | 164957.75 | 665753.41 |
| 207          | 290+85.62 | 53.25' RT | 955.89    | 164953.65 | 665761.39 |

| CO_Med1      |           |           |           |           |           |
|--------------|-----------|-----------|-----------|-----------|-----------|
| POINT NUMBER | STATION   | OFFSET    | ELEVATION | NORTHING  | EASTING   |
| 260          | 291+21.54 | 51.89' RT | 955.13    | 164958.16 | 665796.22 |
| 261          | 291+18.12 | 51.82' RT | 955.16    | 164957.96 | 665792.89 |
| 262          | 291+18.05 | 56.82' RT | 955.48    | 164952.97 | 665793.23 |
| 263          | 291+21.43 | 56.89' RT | 955.05    | 164953.17 | 665796.53 |
| 264          | 291+25.44 | 56.96' RT | 954.99    | 164953.41 | 665800.42 |
| 265          | 291+25.37 | 51.95' RT | 955.07    | 164958.40 | 665799.96 |
| 266          | 291+27.42 | 52.00' RT | 955.15    | 164958.52 | 665801.96 |
| 267          | 291+27.51 | 56.96' RT | 955.07    | 164953.58 | 665802.44 |
| 268          | 291+15.49 | 56.76' RT | 955.14    | 164952.82 | 665790.74 |
| 269          | 291+15.60 | 51.76' RT | 955.23    | 164957.81 | 665790.43 |

| CO_SE1       |           |           |           |           |           |
|--------------|-----------|-----------|-----------|-----------|-----------|
| POINT NUMBER | STATION   | OFFSET    | ELEVATION | NORTHING  | EASTING   |
| 281          | 291+56.30 | 52.35' RT | 954.38    | 164960.23 | 665830.13 |
| 282          | 291+56.27 | 57.33' RT | 954.48    | 164955.26 | 665830.43 |
| 283          | 291+54.73 | 57.30' RT | 954.46    | 164955.19 | 665828.94 |
| 284          | 291+62.44 | 52.35' RT | 0.00      | 164960.62 | 665836.12 |
| 285          | 291+62.43 | 57.35' RT | 954.41    | 164955.63 | 665836.43 |
| 286          | 291+67.56 | 57.36' RT | 954.10    | 164955.94 | 665841.42 |
| 287          | 291+67.55 | 62.60' RT | 954.32    | 164950.71 | 665841.74 |
| 288          | 291+69.86 | 64.64' RT | 954.27    | 164948.81 | 665844.10 |
| 289          | 291+73.77 | 61.39' RT | 953.77    | 164952.28 | 665847.70 |
| 290          | 291+72.65 | 60.43' RT | 953.88    | 164953.17 | 665846.56 |
| 291          | 291+72.68 | 57.36' RT | 953.70    | 164956.25 | 665846.41 |
| 292          | 291+72.68 | 52.36' RT | 952.86    | 164961.24 | 665846.10 |
| 293          | 291+67.56 | 52.36' RT | 954.37    | 164960.93 | 665841.11 |
| 294          | 291+51.64 | 57.06' RT | 954.53    | 164955.22 | 665825.91 |
| 295          | 291+53.08 | 52.11' RT | 954.36    | 164960.26 | 665826.97 |
| 296          | 291+57.62 | 49.36' RT | 954.55    | 164963.30 | 665831.22 |
| 297          | 291+54.21 | 60.32' RT | 954.99    | 164952.15 | 665828.63 |



NOTES:

1. VERIFY EXISTING ELEVATIONS IN THE FIELD AND SLOPES ADJUSTED TO MEET ADA COMPLIANCE. NOTIFY ENGINEER IF ADA COMPLIANCE CANNOT BE OBTAINED.
2. SIDEWALK AND CURB AND GUTTER REPLACEMENT SHOULD BE TO THE NEAREST JOINT. LIMITS ARE APPROXIMATE AND ARE TO BE VERIFIED IN THE FIELD BY THE ENGINEER.
3. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINTS.
4. THE CONTRACTOR SHALL CONFIRM GRADES ON THE PLANS AND ENSURE POSITIVE DRAINAGE AT THE COMPLETION OF ALL WORK.
5. MATCH EXISTING CURB AND GUTTER ELEVATIONS.
6. CURB AND GUTTER ELEVATIONS ARE SHOWN AT THE FLANGE.
7. STATIONING/OFFSETS ARE FROM THE USH 18 ALIGNMENT.
8. SEE CURB RAMP SDDS FOR ADDITIONAL INFORMATION





NOTES:

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6. CURB AND GUTTER ELEVATIONS ARE SHOWN AT THE FLANGE.

7. STATIONING/OFFSETS ARE FROM THE USH 18 ALIGNMENT.

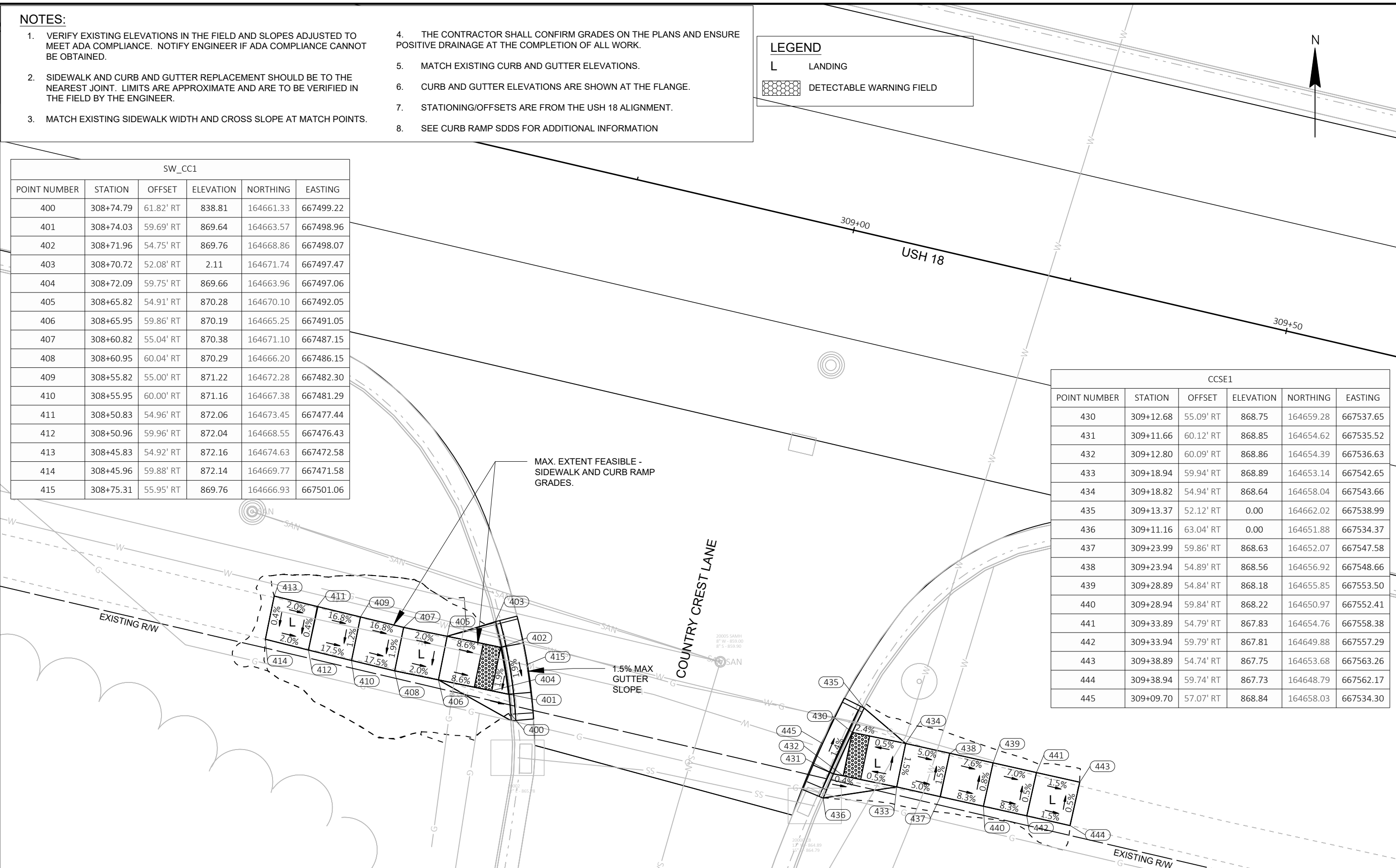
8. SEE CURB RAMP SDDS FOR ADDITIONAL INFORMATION

LEGEND

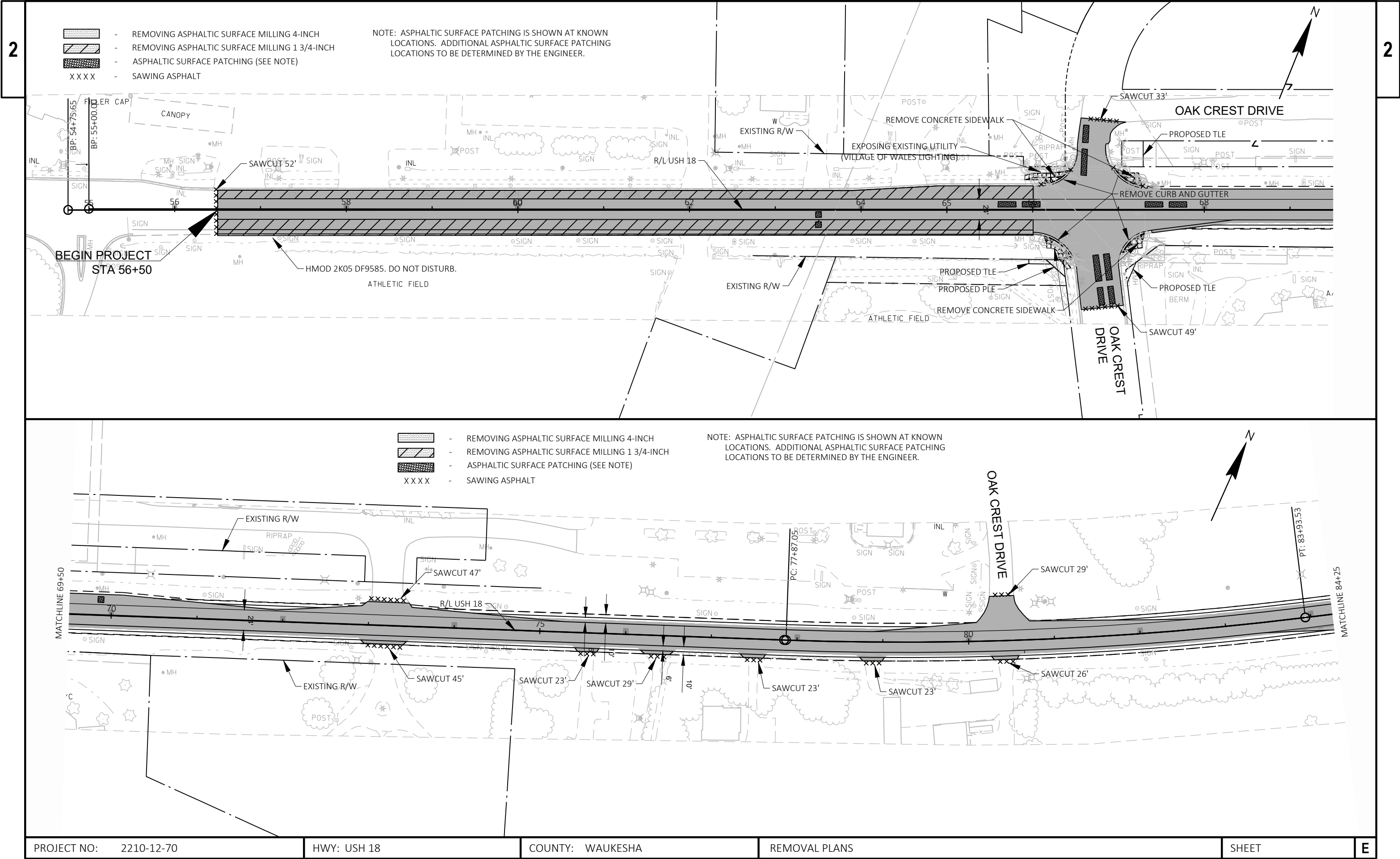
- L LANDING
-  DETECTABLE WARNING FIELD

| SW_CC1       |           |           |           |           |           |
|--------------|-----------|-----------|-----------|-----------|-----------|
| POINT NUMBER | STATION   | OFFSET    | ELEVATION | NORTHING  | EASTING   |
| 400          | 308+74.79 | 61.82' RT | 838.81    | 164661.33 | 667499.22 |
| 401          | 308+74.03 | 59.69' RT | 869.64    | 164663.57 | 667498.96 |
| 402          | 308+71.96 | 54.75' RT | 869.76    | 164668.86 | 667498.07 |
| 403          | 308+70.72 | 52.08' RT | 2.11      | 164671.74 | 667497.47 |
| 404          | 308+72.09 | 59.75' RT | 869.66    | 164663.96 | 667497.06 |
| 405          | 308+65.82 | 54.91' RT | 870.28    | 164670.10 | 667492.05 |
| 406          | 308+65.95 | 59.86' RT | 870.19    | 164665.25 | 667491.05 |
| 407          | 308+60.82 | 55.04' RT | 870.38    | 164671.10 | 667487.15 |
| 408          | 308+60.95 | 60.04' RT | 870.29    | 164666.20 | 667486.15 |
| 409          | 308+55.82 | 55.00' RT | 871.22    | 164672.28 | 667482.30 |
| 410          | 308+55.95 | 60.00' RT | 871.16    | 164667.38 | 667481.29 |
| 411          | 308+50.83 | 54.96' RT | 872.06    | 164673.45 | 667477.44 |
| 412          | 308+50.96 | 59.96' RT | 872.04    | 164668.55 | 667476.43 |
| 413          | 308+45.83 | 54.92' RT | 872.16    | 164674.63 | 667472.58 |
| 414          | 308+45.96 | 59.88' RT | 872.14    | 164669.77 | 667471.58 |
| 415          | 308+75.31 | 55.95' RT | 869.76    | 164666.93 | 667501.06 |

| CCSE1        |           |           |           |           |           |
|--------------|-----------|-----------|-----------|-----------|-----------|
| POINT NUMBER | STATION   | OFFSET    | ELEVATION | NORTHING  | EASTING   |
| 430          | 309+12.68 | 55.09' RT | 868.75    | 164659.28 | 667537.65 |
| 431          | 309+11.66 | 60.12' RT | 868.85    | 164654.62 | 667535.52 |
| 432          | 309+12.80 | 60.09' RT | 868.86    | 164654.39 | 667536.63 |
| 433          | 309+18.94 | 59.94' RT | 868.89    | 164653.14 | 667542.65 |
| 434          | 309+18.82 | 54.94' RT | 868.64    | 164658.04 | 667543.66 |
| 435          | 309+13.37 | 52.12' RT | 0.00      | 164662.02 | 667538.99 |
| 436          | 309+11.16 | 63.04' RT | 0.00      | 164651.88 | 667534.37 |
| 437          | 309+23.99 | 59.86' RT | 868.63    | 164652.07 | 667547.58 |
| 438          | 309+23.94 | 54.89' RT | 868.56    | 164656.92 | 667548.66 |
| 439          | 309+28.89 | 54.84' RT | 868.18    | 164655.85 | 667553.50 |
| 440          | 309+28.94 | 59.84' RT | 868.22    | 164650.97 | 667552.41 |
| 441          | 309+33.89 | 54.79' RT | 867.83    | 164654.76 | 667558.38 |
| 442          | 309+33.94 | 59.79' RT | 867.81    | 164649.88 | 667557.29 |
| 443          | 309+38.89 | 54.74' RT | 867.75    | 164653.68 | 667563.26 |
| 444          | 309+38.94 | 59.74' RT | 867.73    | 164648.79 | 667562.17 |
| 445          | 309+09.70 | 57.07' RT | 868.84    | 164658.03 | 667534.30 |

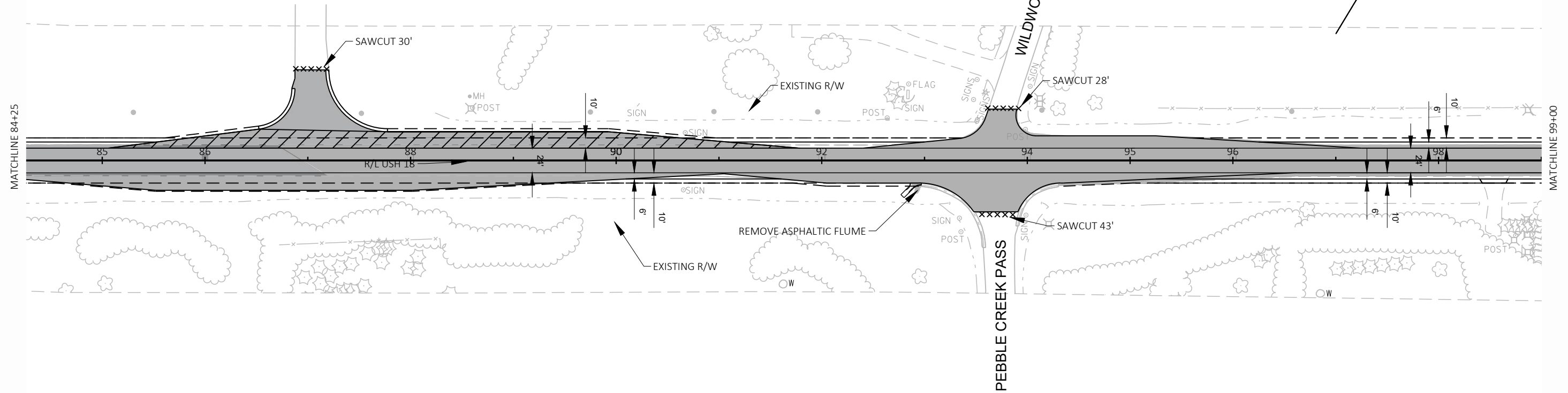






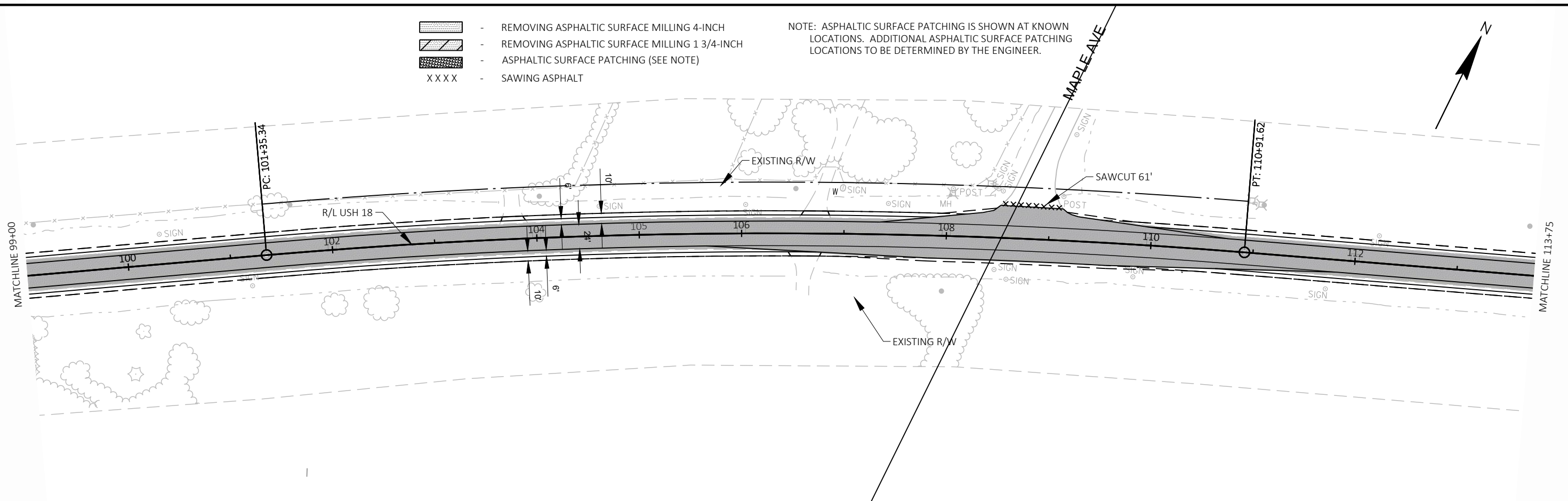
- REMOVING ASPHALTIC SURFACE MILLING 4-INCH
- REMOVING ASPHALTIC SURFACE MILLING 1 3/4-INCH
- ASPHALTIC SURFACE PATCHING (SEE NOTE)
- X X X X SAWING ASPHALT

NOTE: ASPHALTIC SURFACE PATCHING IS SHOWN AT KNOWN LOCATIONS. ADDITIONAL ASPHALTIC SURFACE PATCHING LOCATIONS TO BE DETERMINED BY THE ENGINEER.



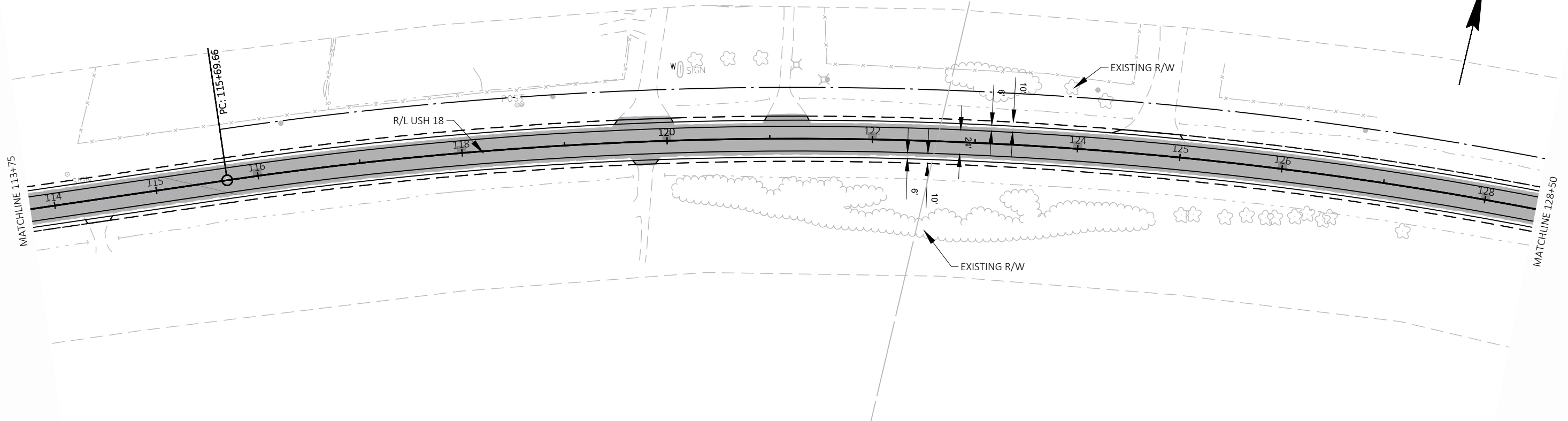
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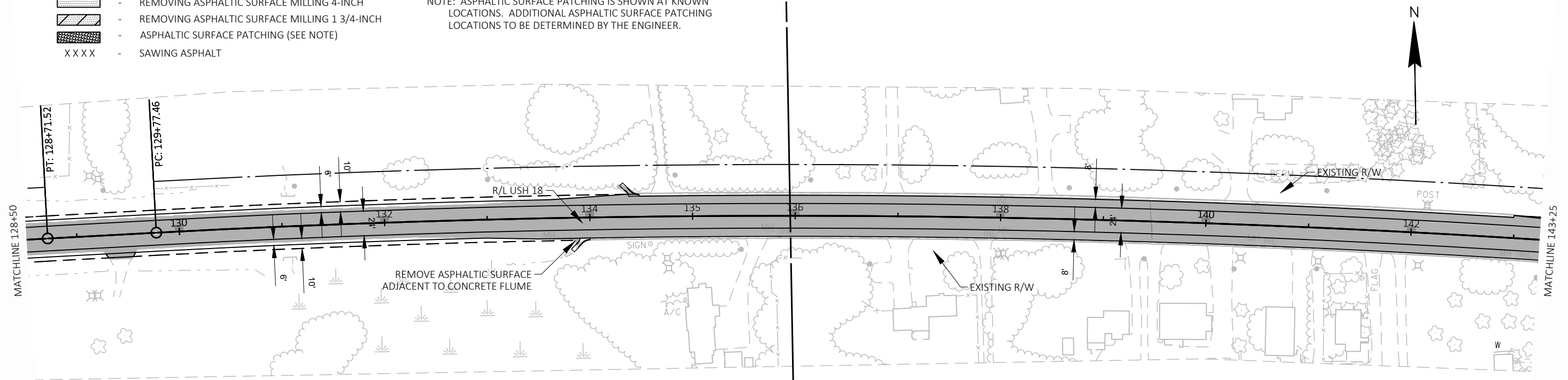
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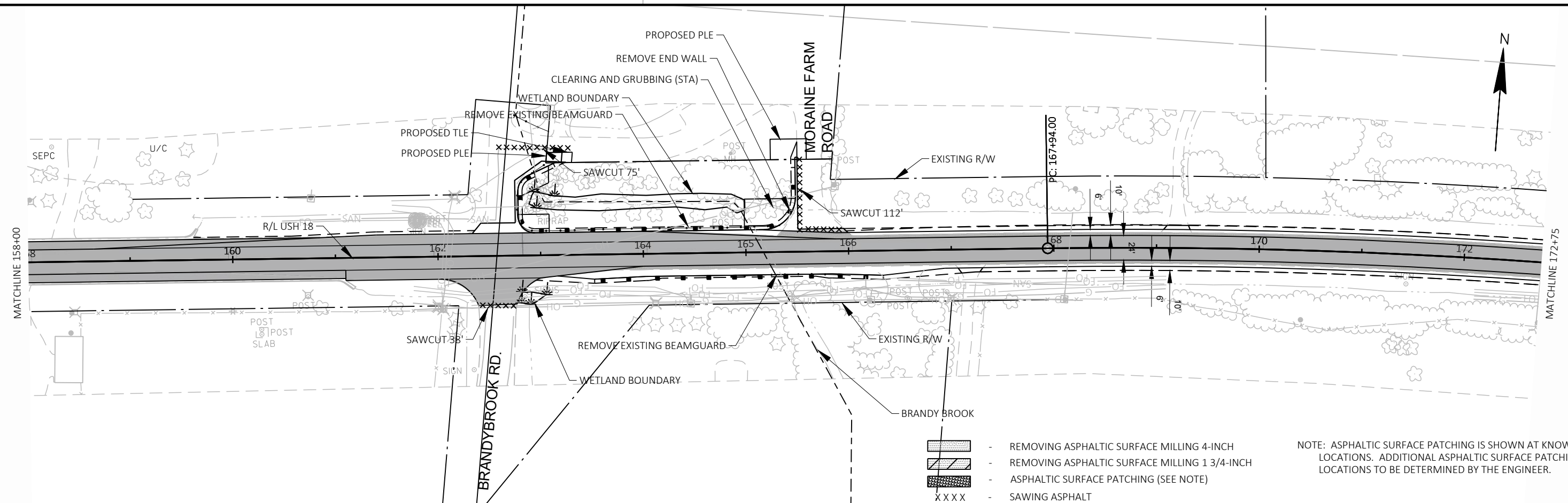
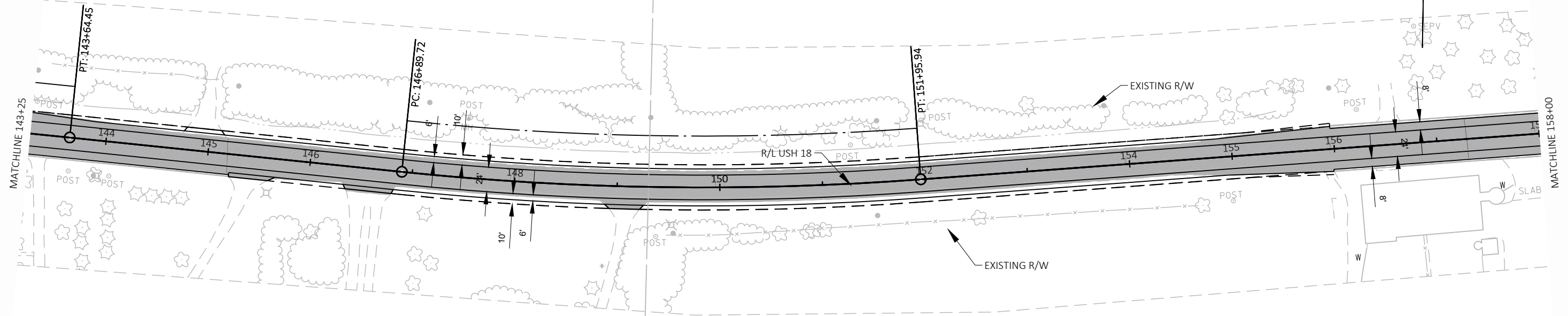
NOTE: ASPHALTIC SURFACE PATCHING IS SHOWN AT KNOWN LOCATIONS. ADDITIONAL ASPHALTIC SURFACE PATCHING LOCATIONS TO BE DETERMINED BY THE ENGINEER.





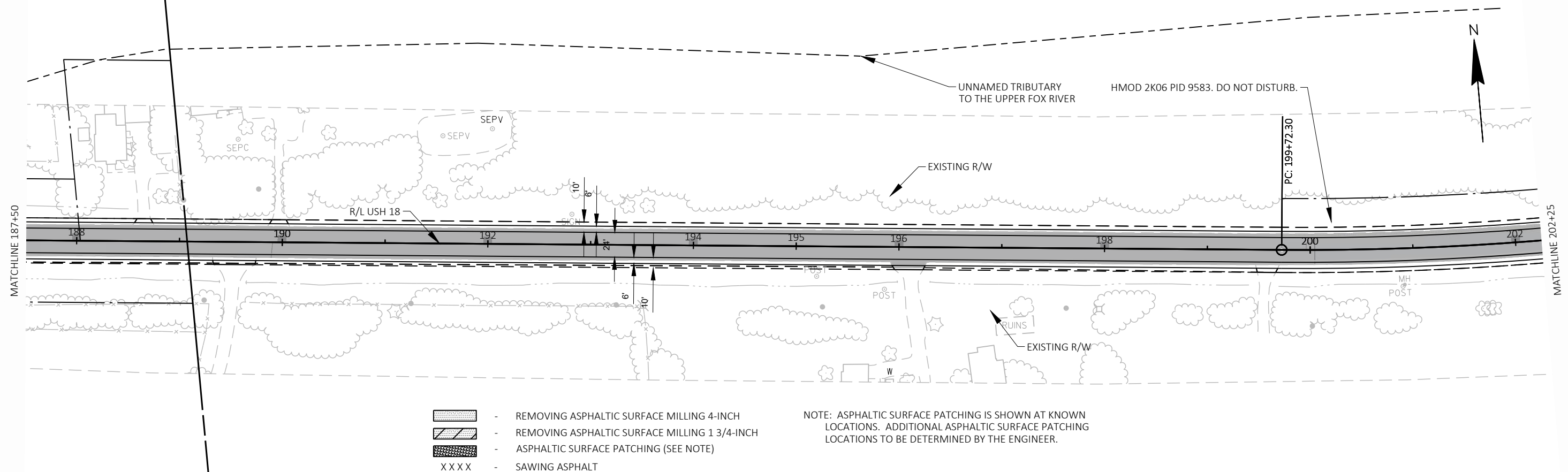
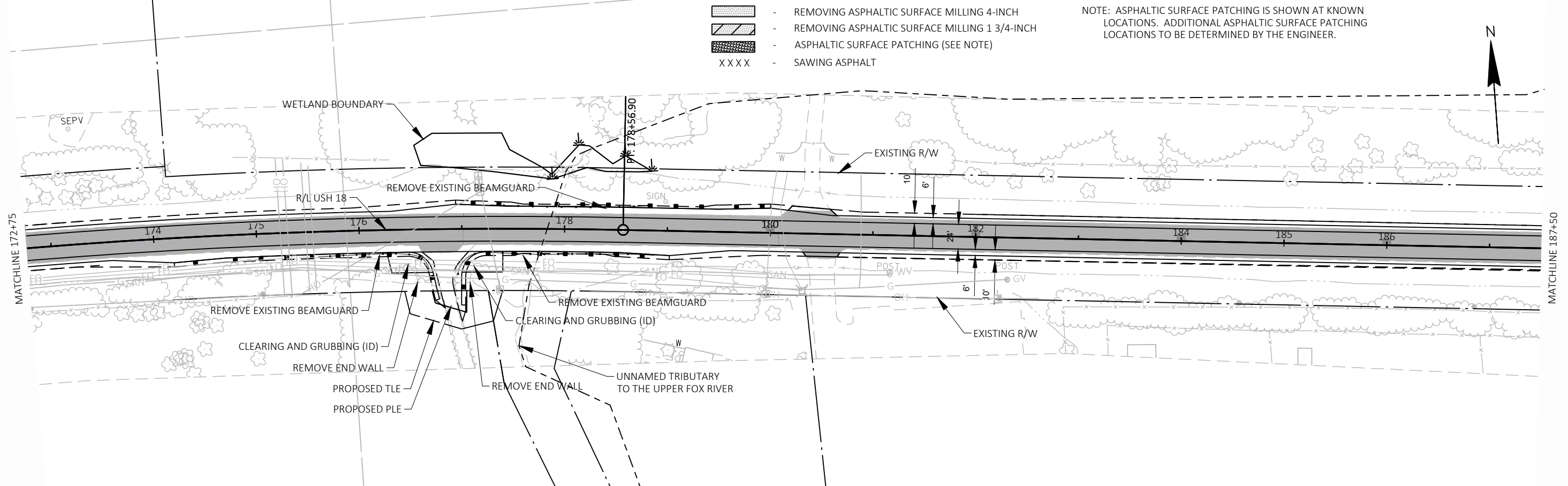
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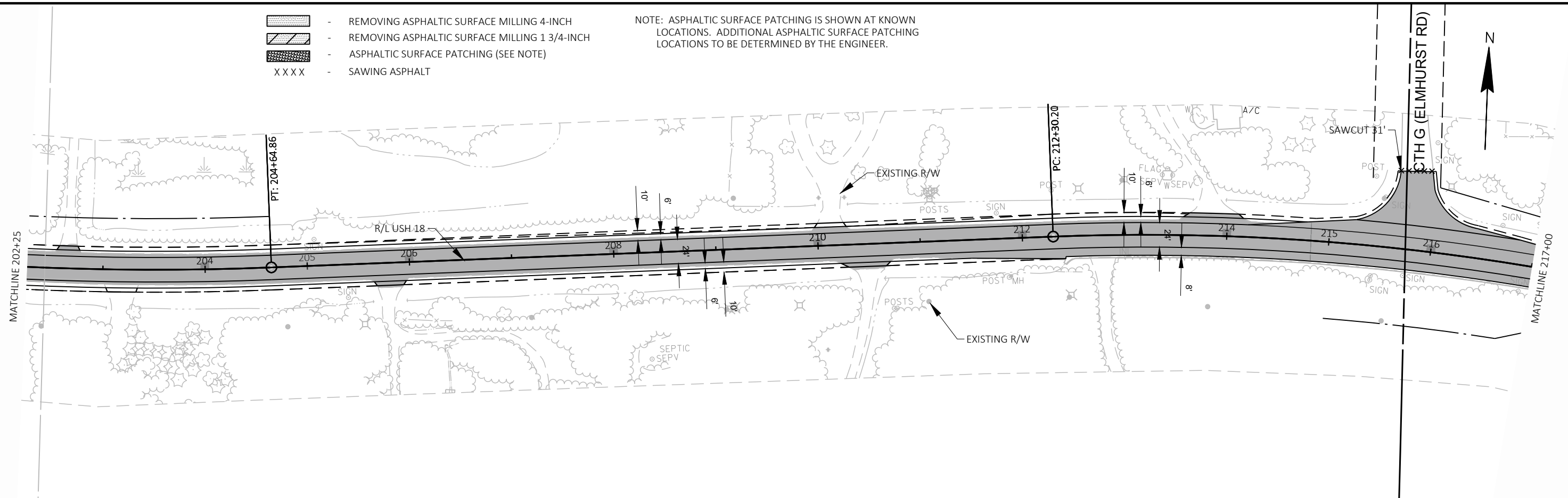
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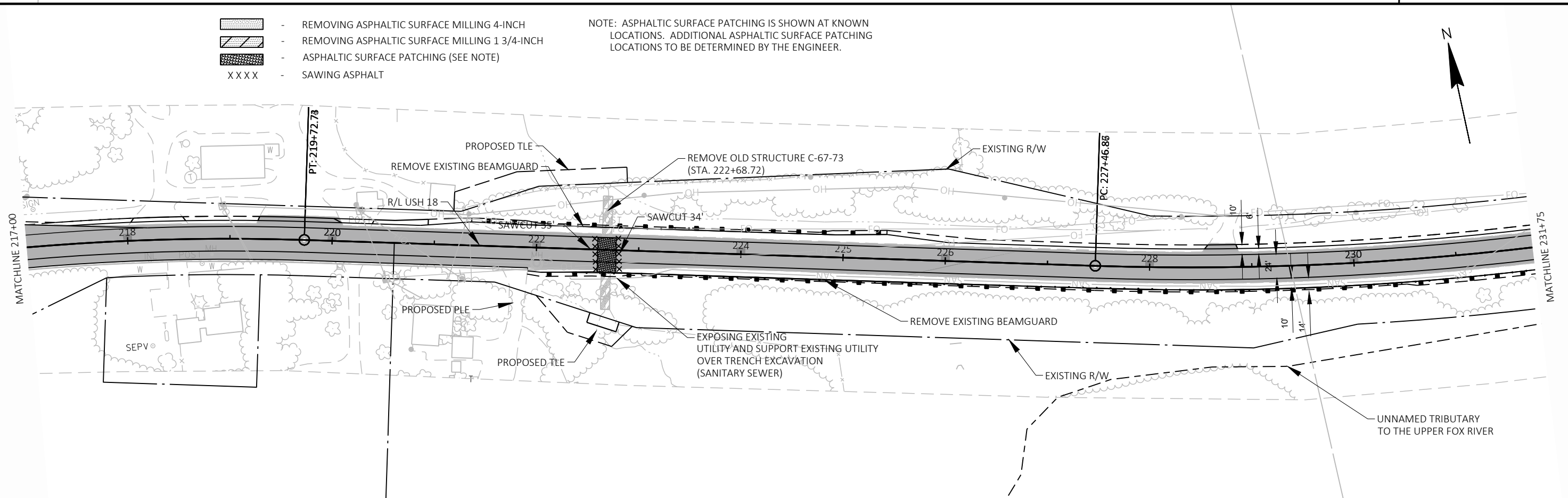
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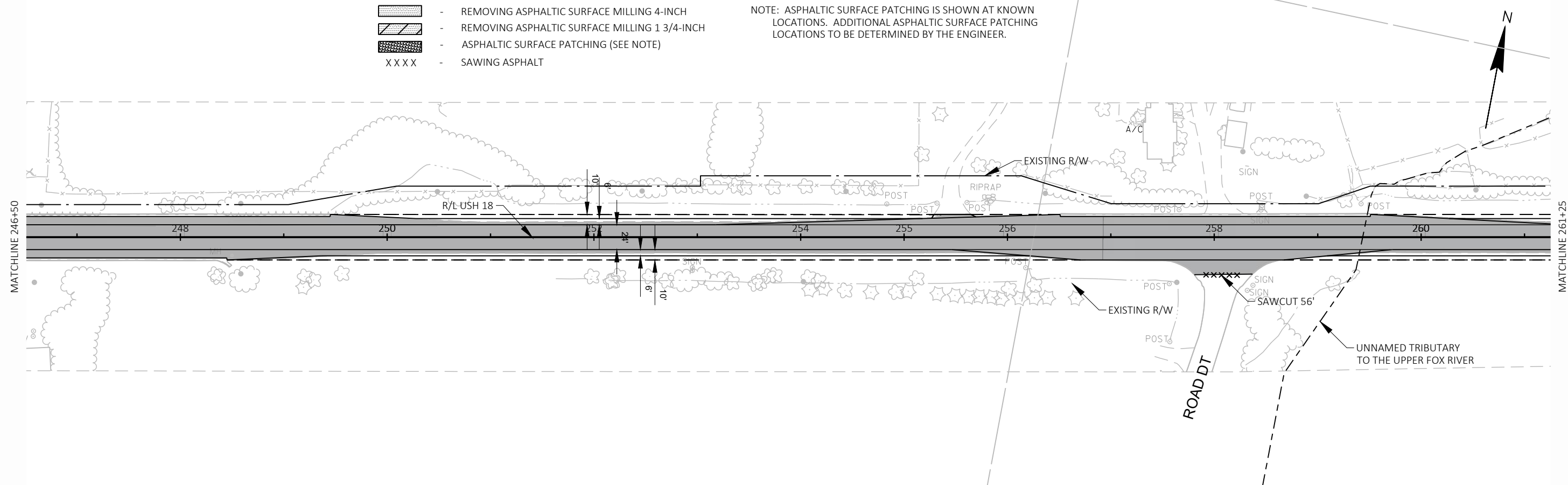
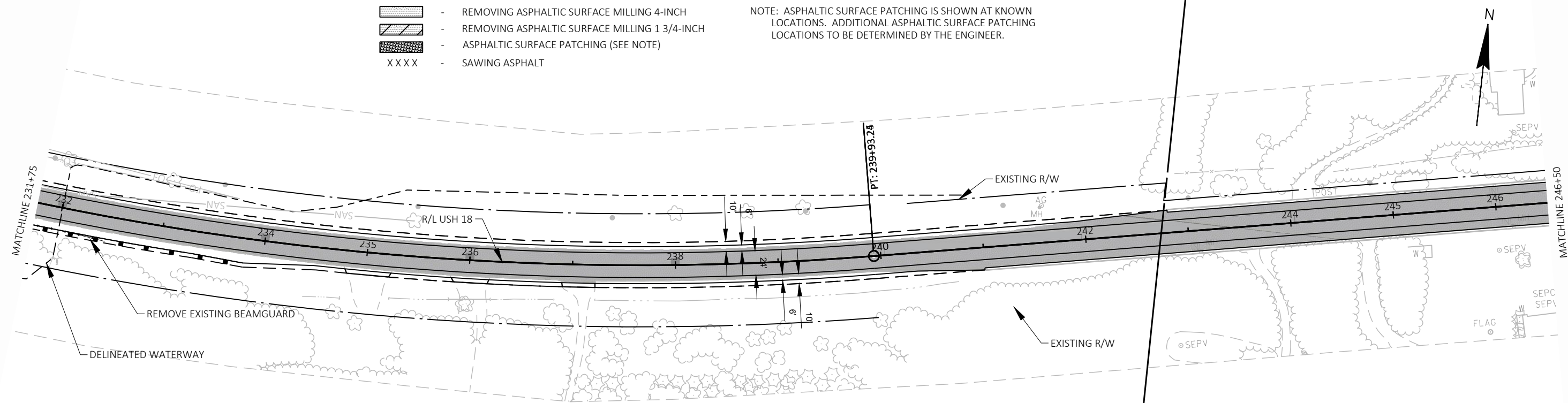


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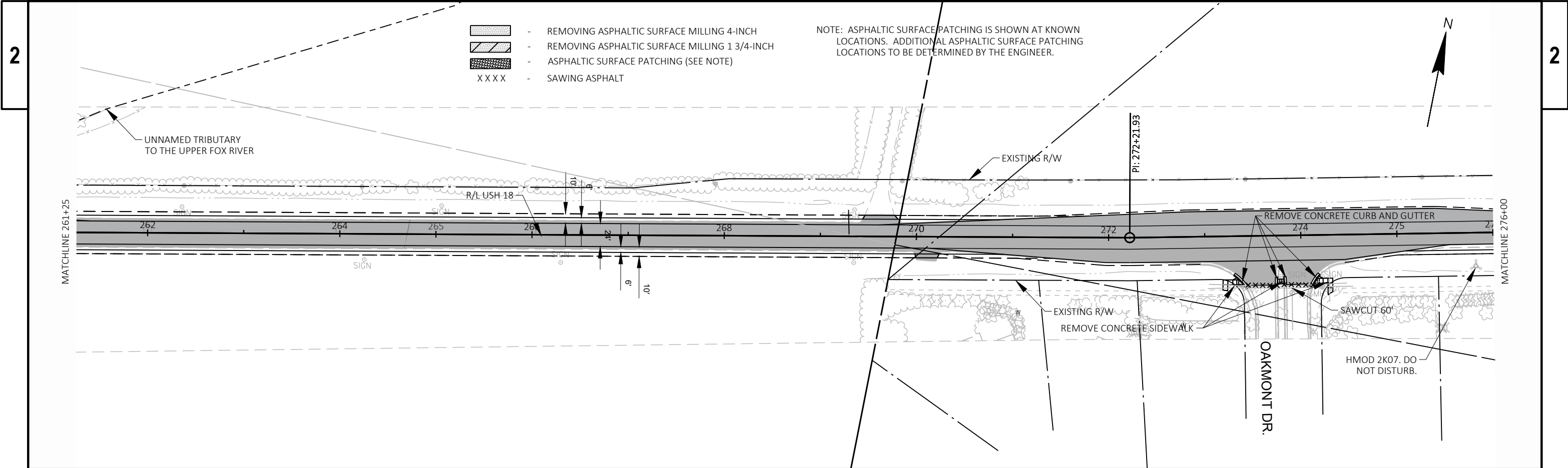
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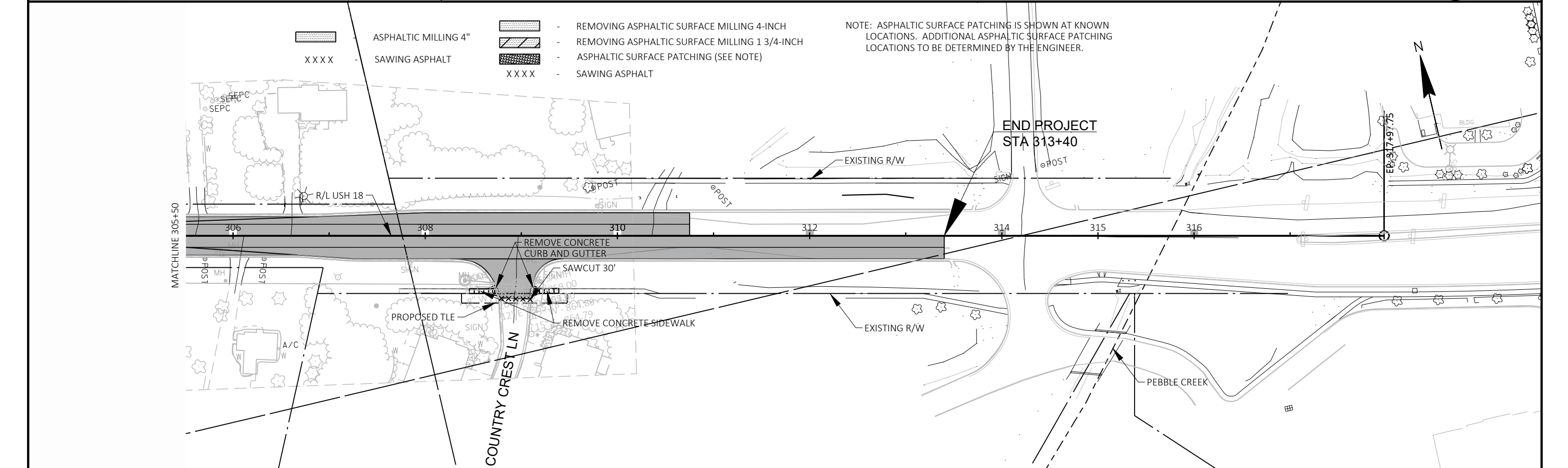
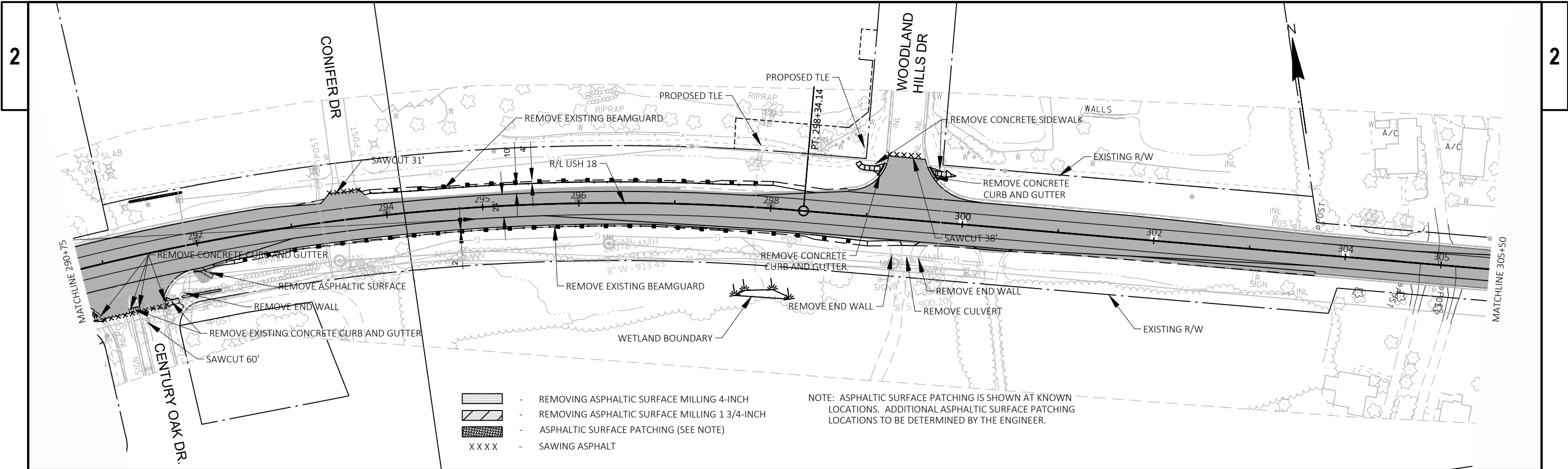












PLAN DETAIL LEGEND

- AP01

HMA PAVEMENT 1 $\frac{3}{4}$ " 4 MT 58-28 S AS UPPER  
HMA PAVEMENT 2 $\frac{1}{4}$ " 3 MT 58-28 S AS LOWER
- AP02

HMA PAVEMENT 1 $\frac{3}{4}$ " 4 MT 58-28 S AS UPPER
- AP03

GUARDRAIL MOW STRIP ASPHALT
- AP04

ASPHALTIC FLUMES
- AP05

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- AG01

BASE AGGREGATE DENSE 3/4-INCH
- CG01

CONCRETE CURB AND GUTTER 30-INCH, TYPE D
- CG02

CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH, TYPE D
- CS01

CONCRETE SIDEWALK 5-INCH
- BG01

MGS GUARDRAIL 3
- BG04

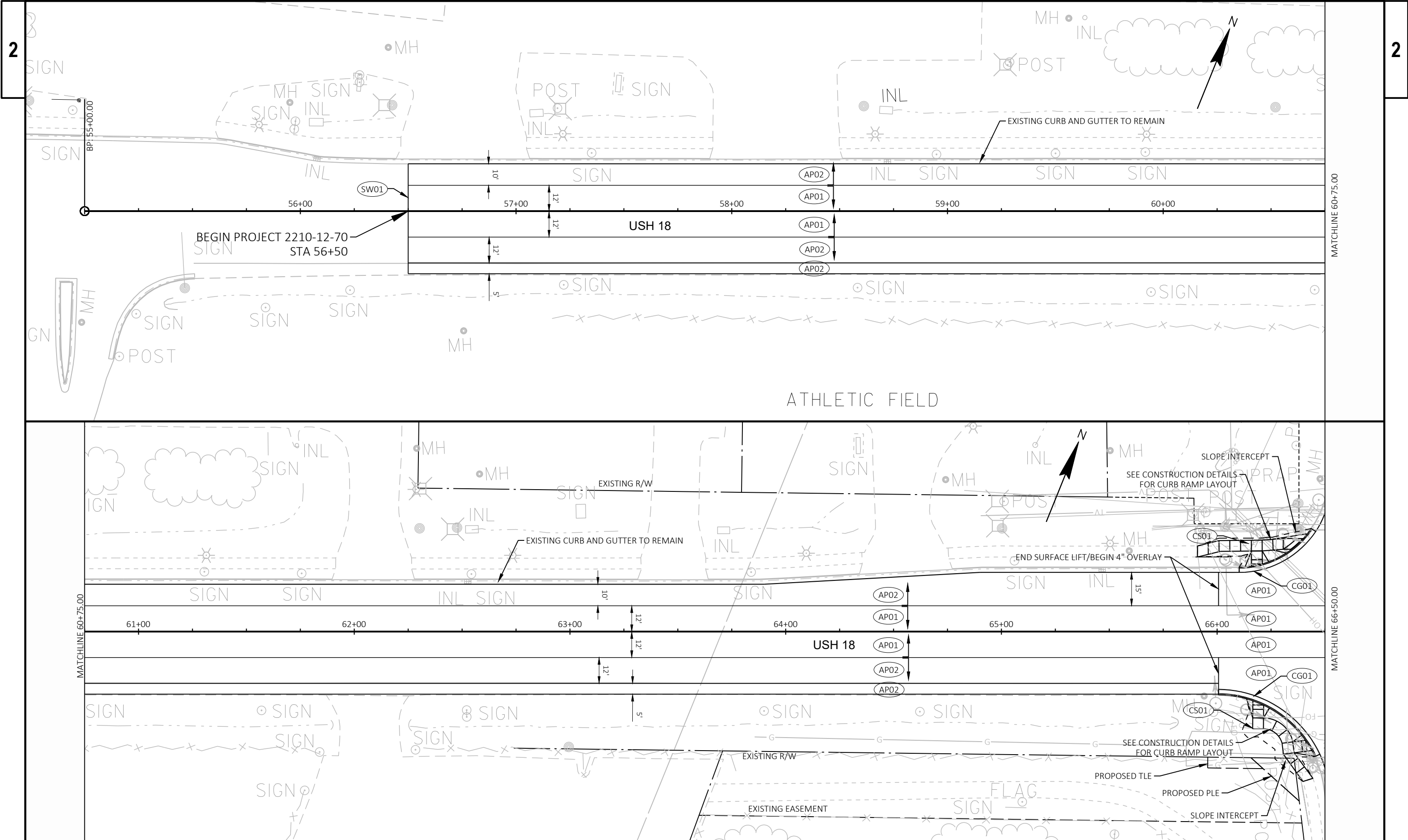
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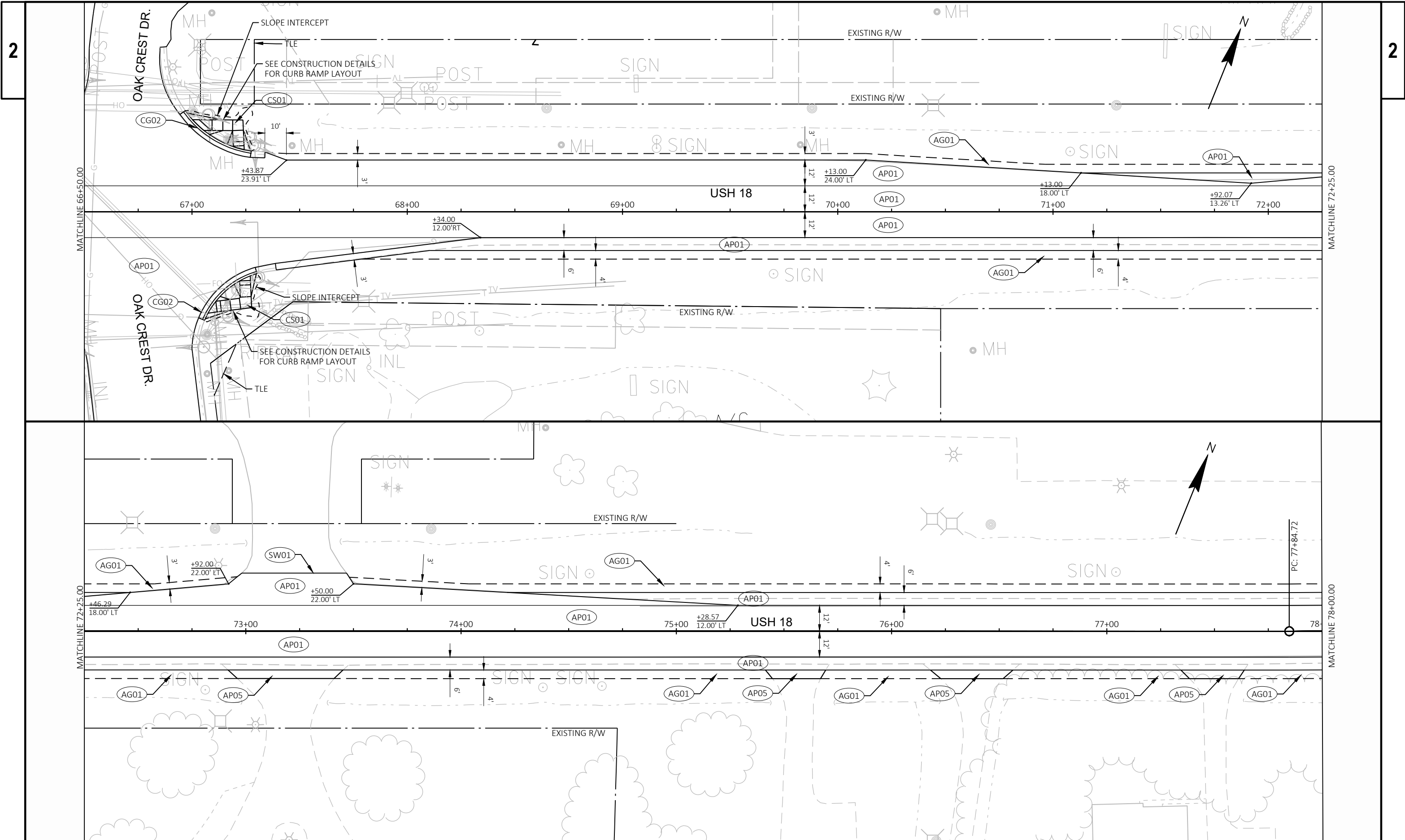
MGS GUARDRAIL SHORT RADIUS
- BG06

MGS GUARDRAIL TERMINAL EAT
- BG07

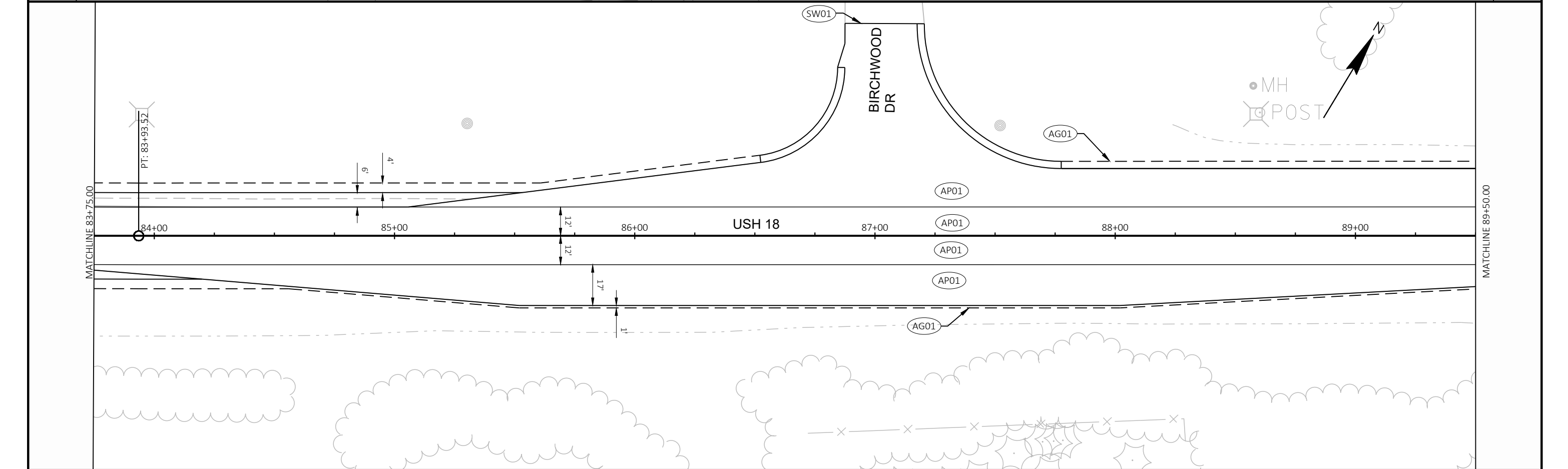
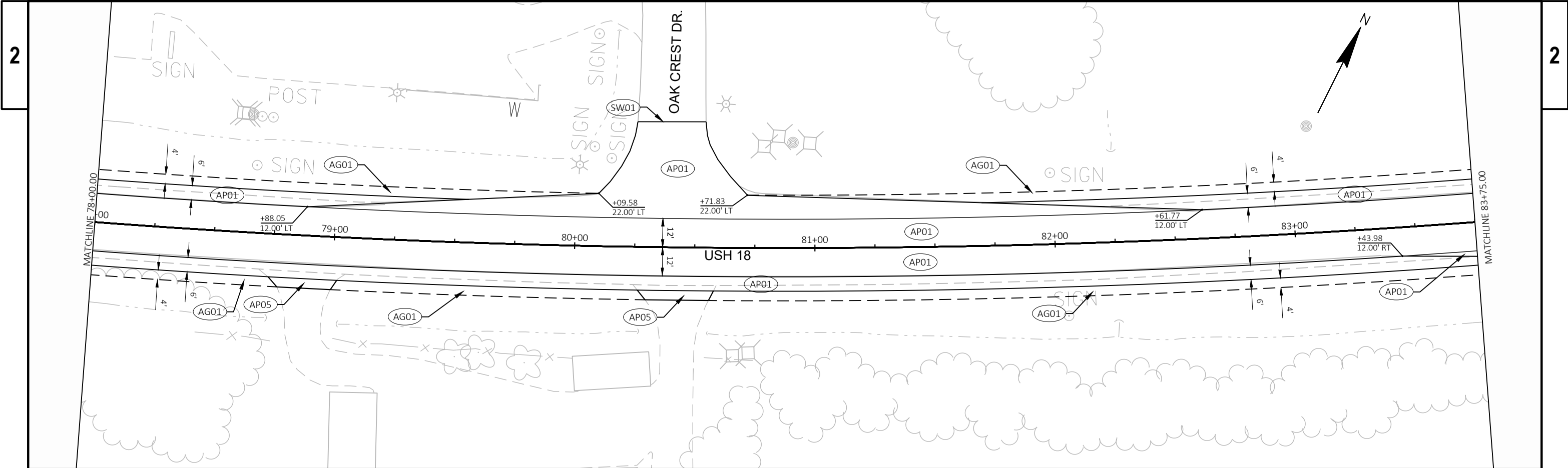
MGS GUARDRAIL SHORT RADIUS TERMINAL
- SW01

SAWCUT



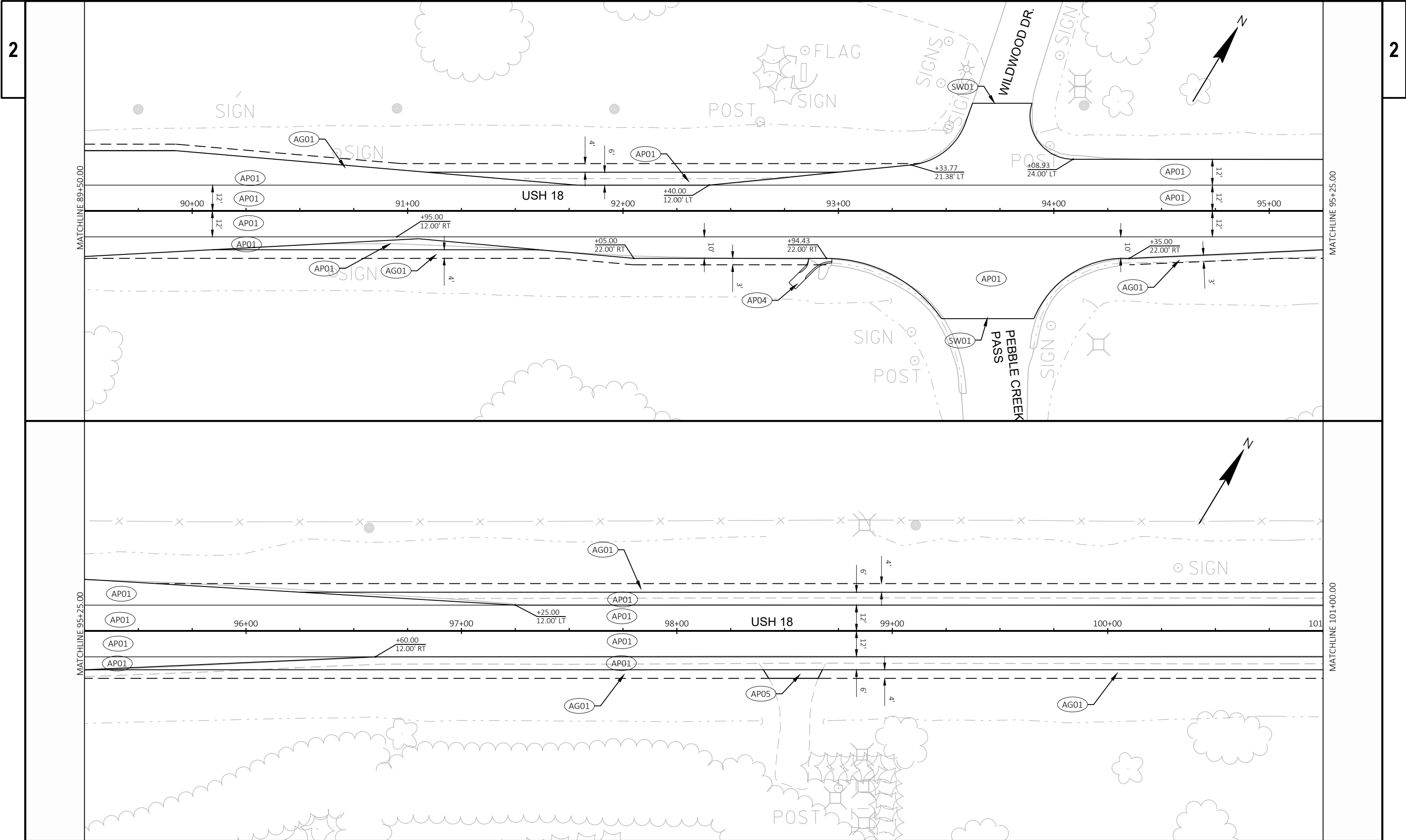


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| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | PLAN DETAILS | SHEET | E |
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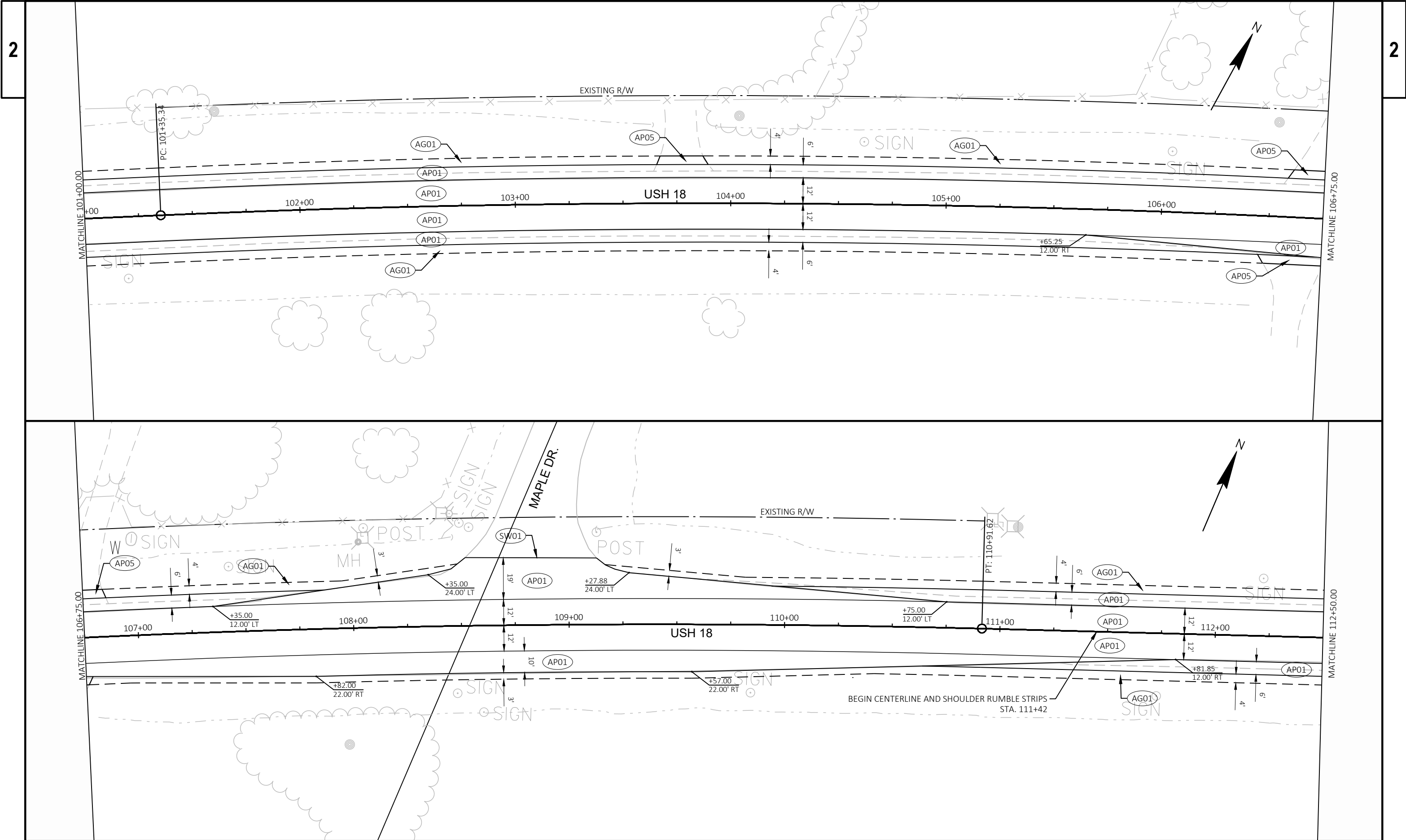


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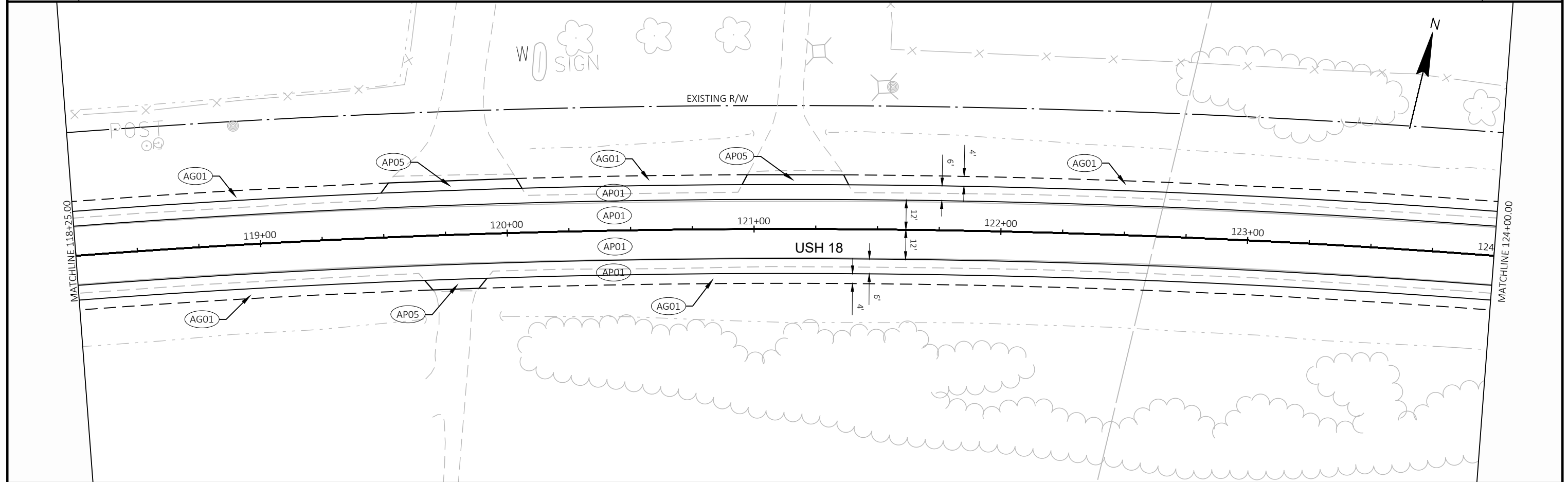
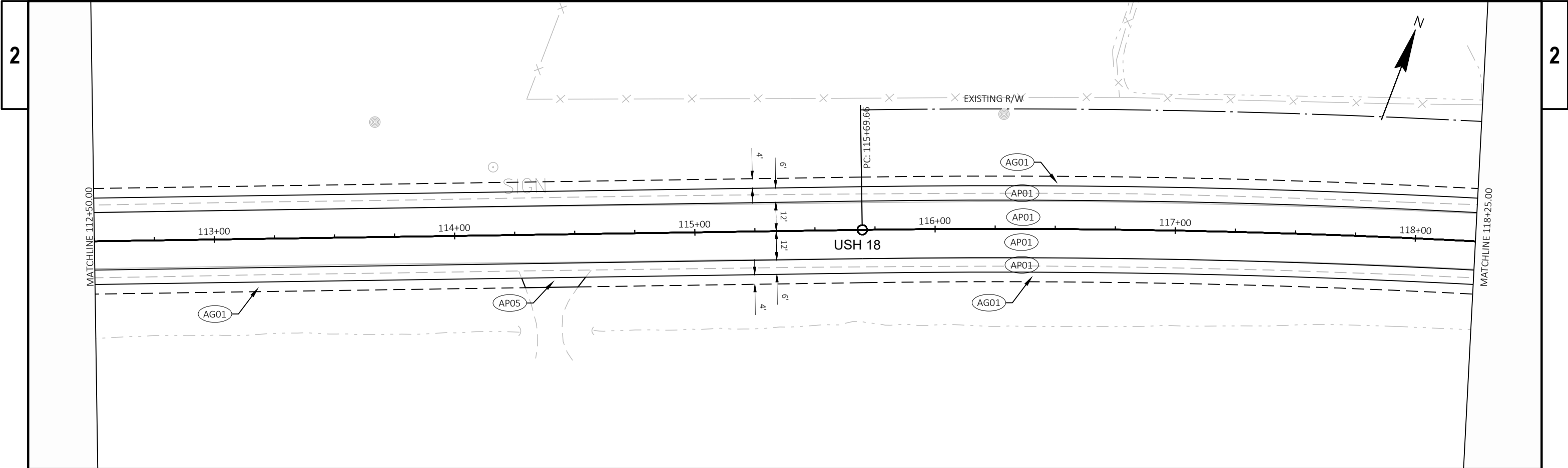




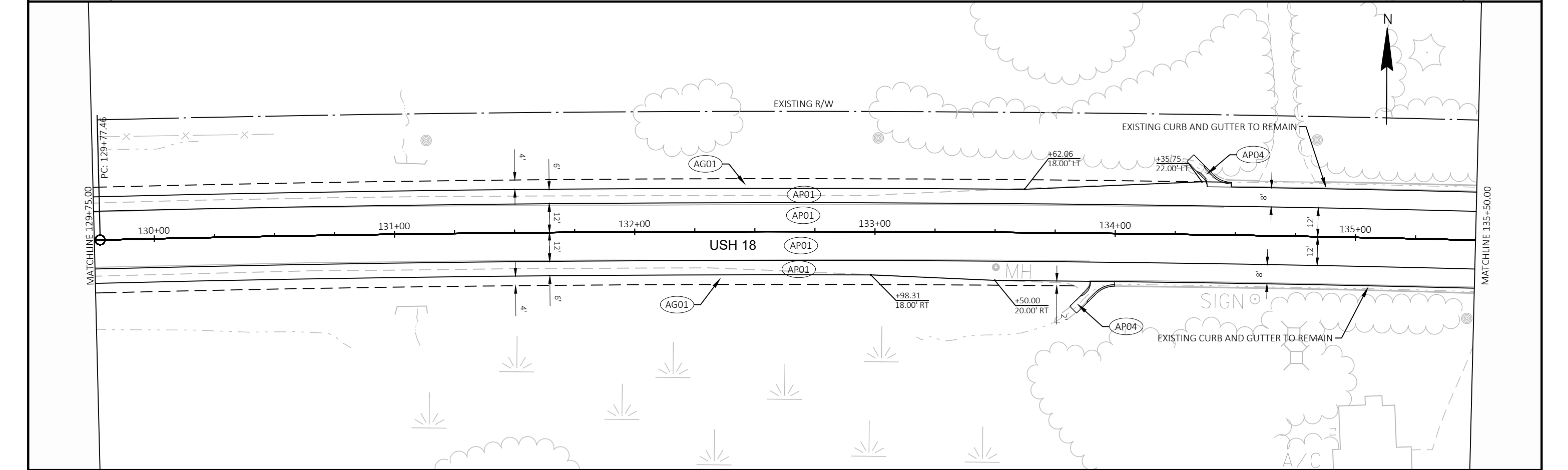
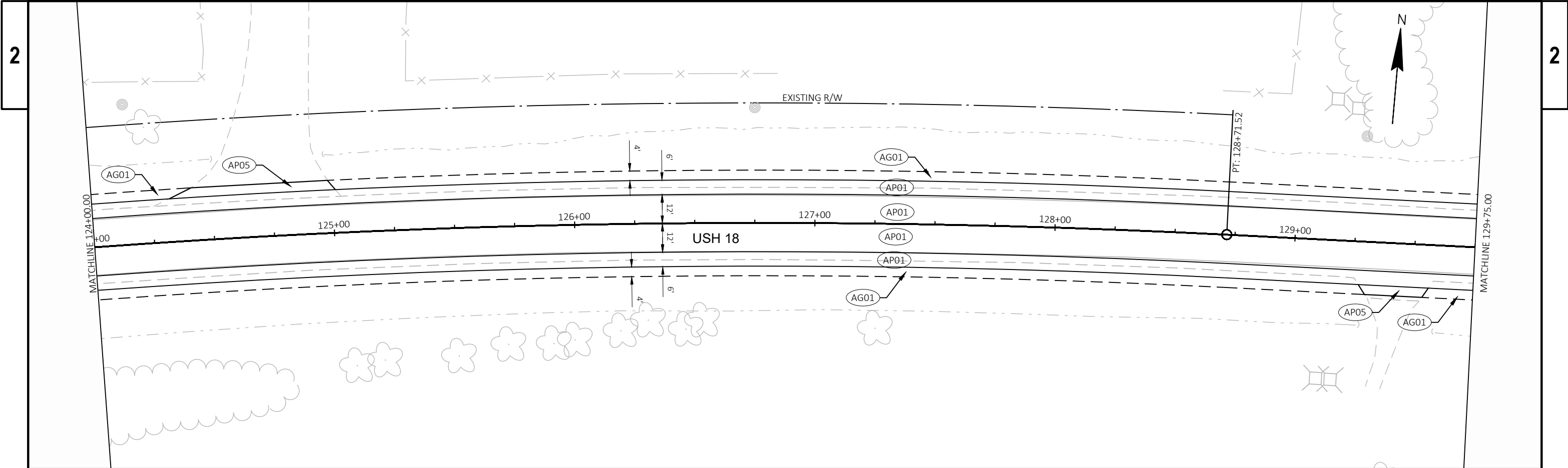
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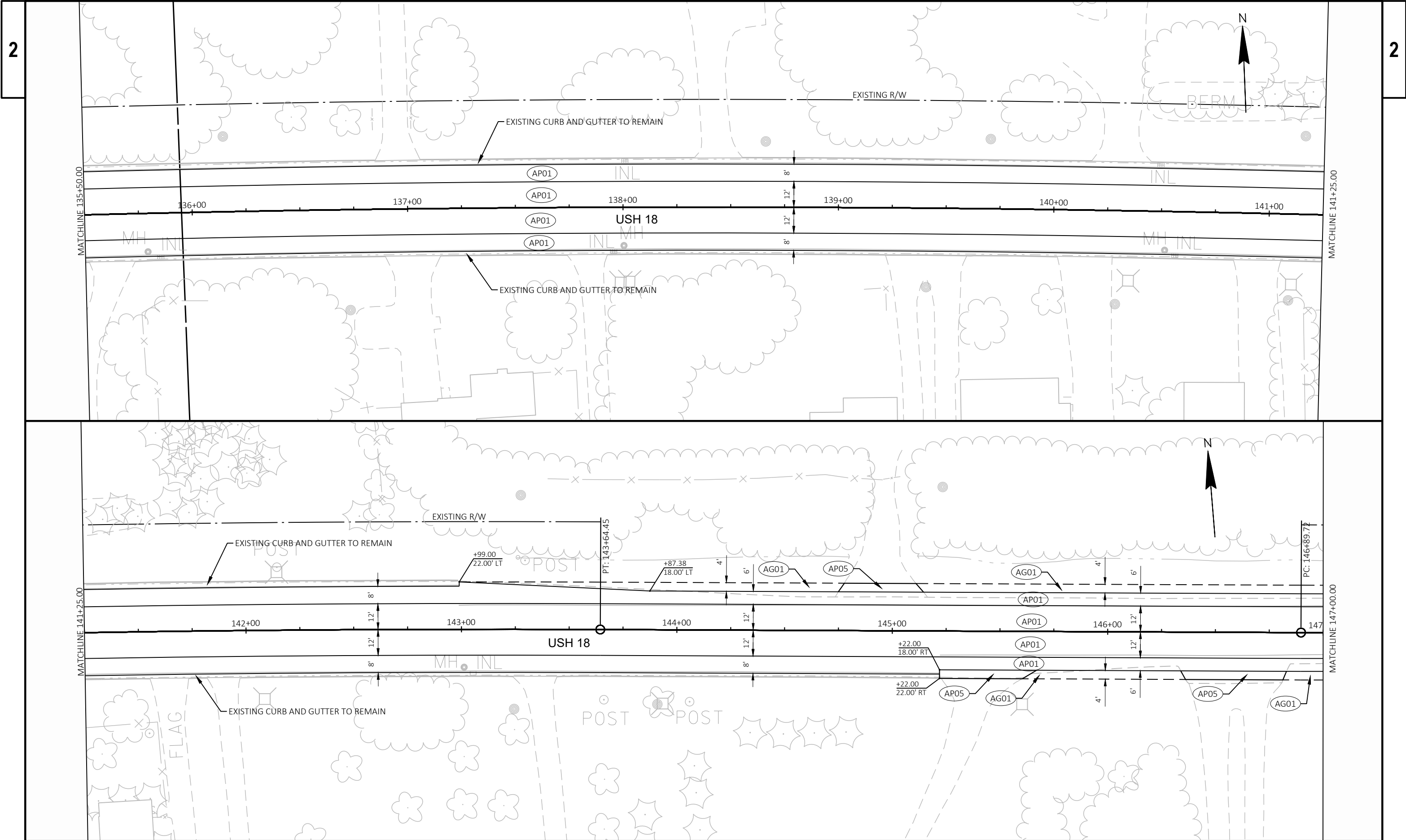
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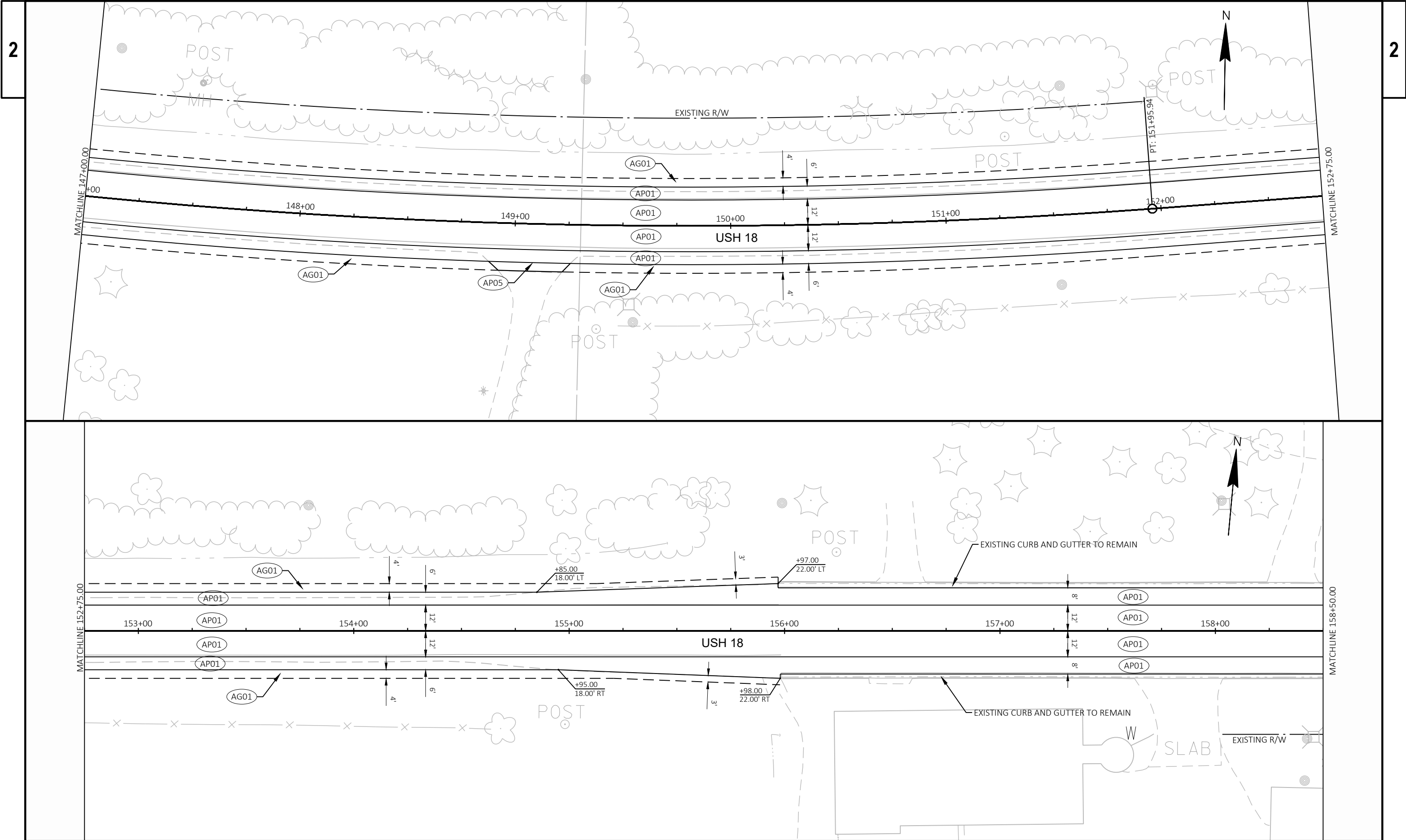
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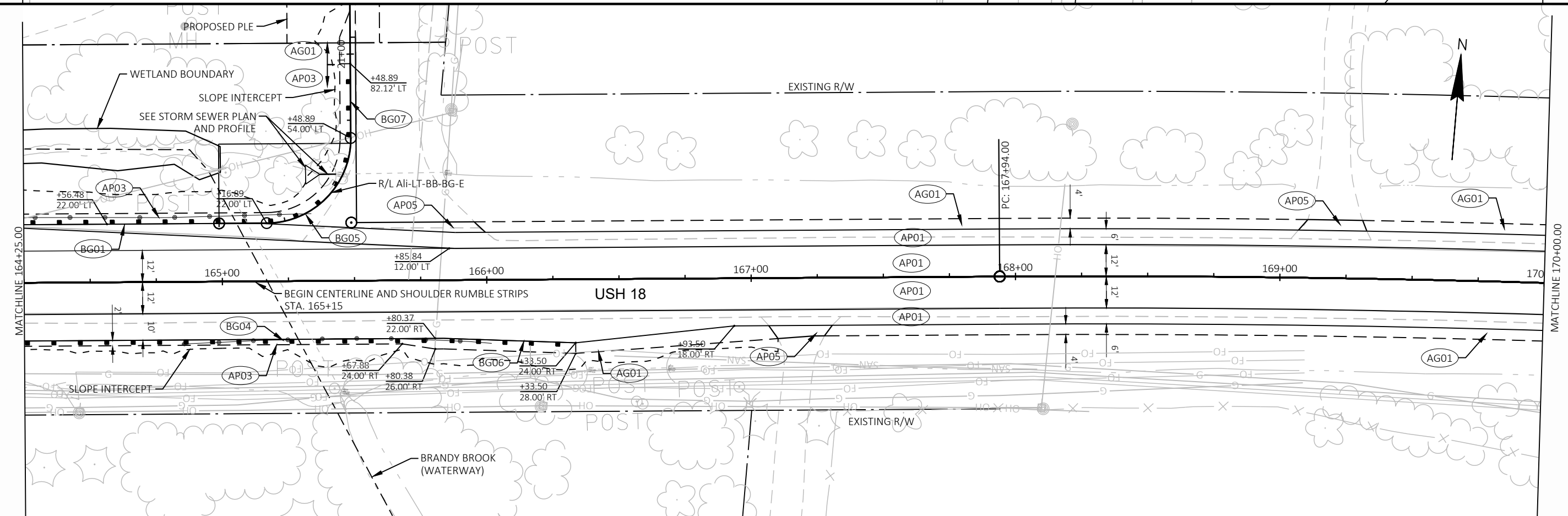
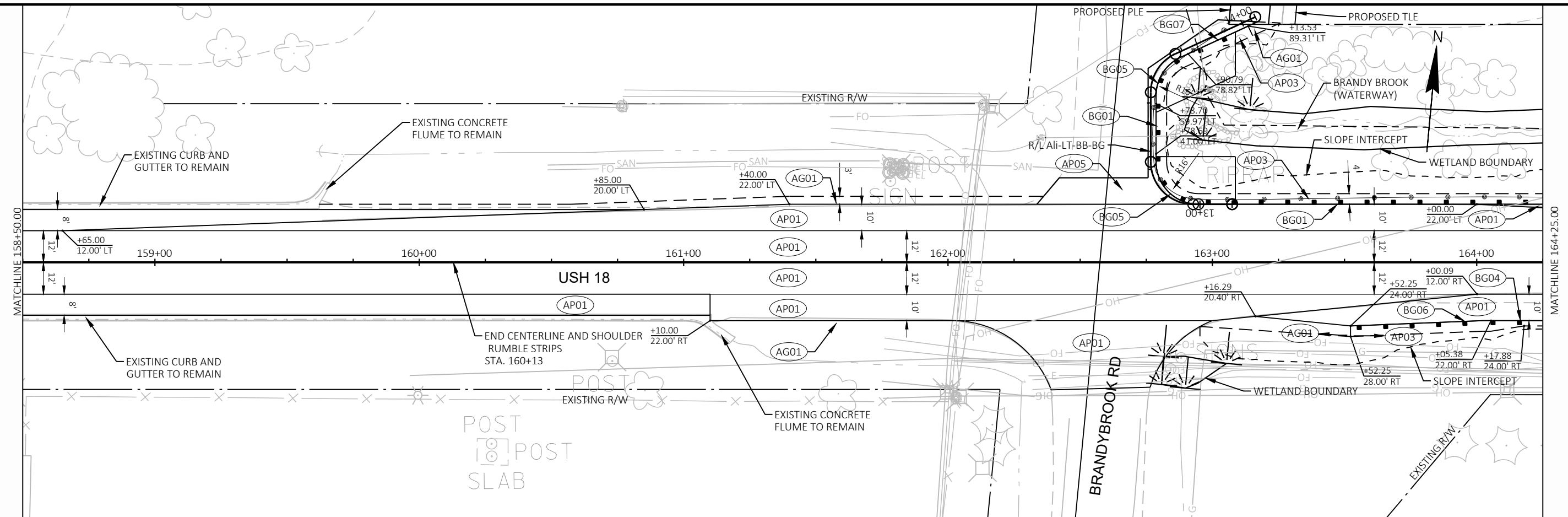
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PROJECT NO: 2210-12-70

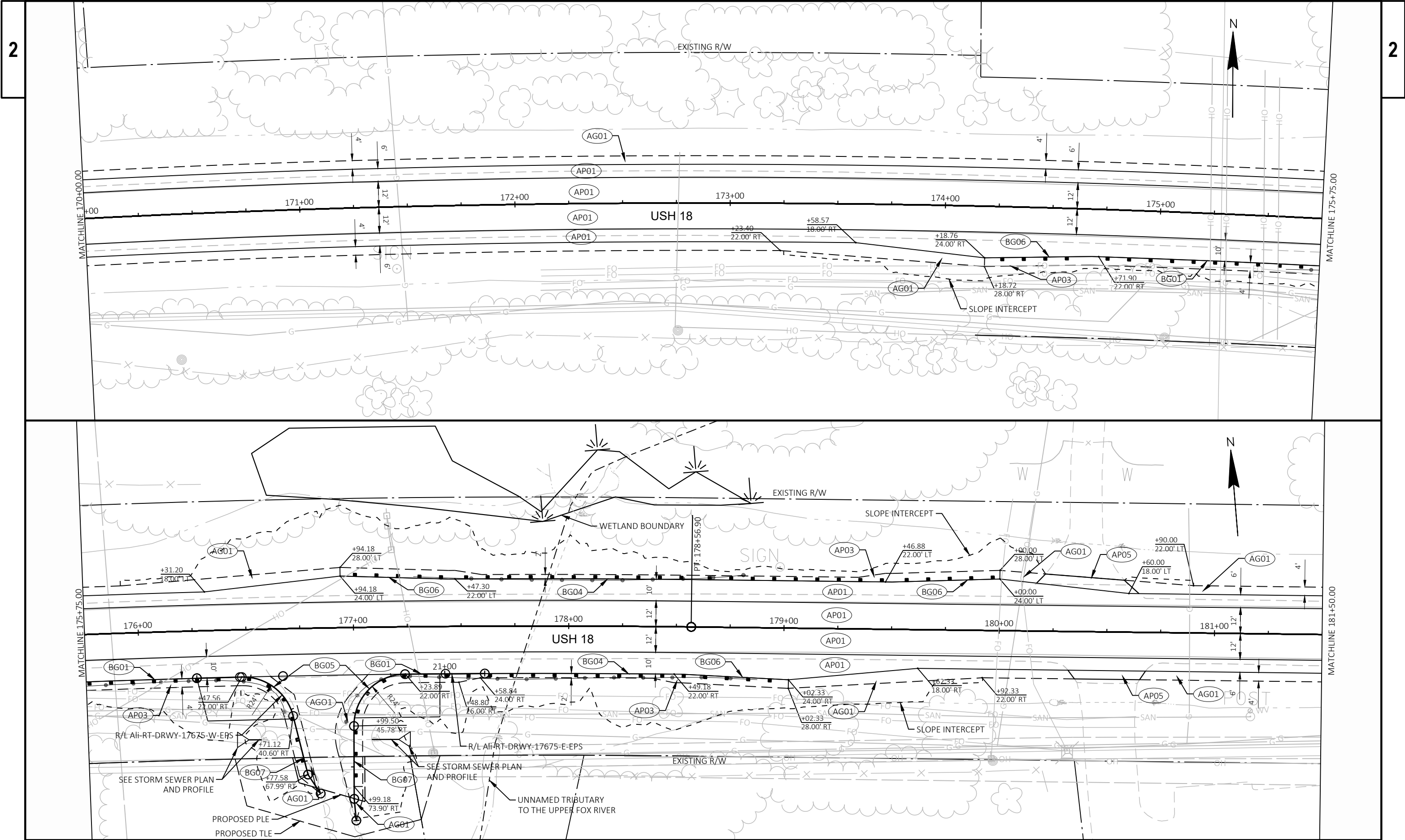
HWY: USH 18

COUNTY: WAUKESHA

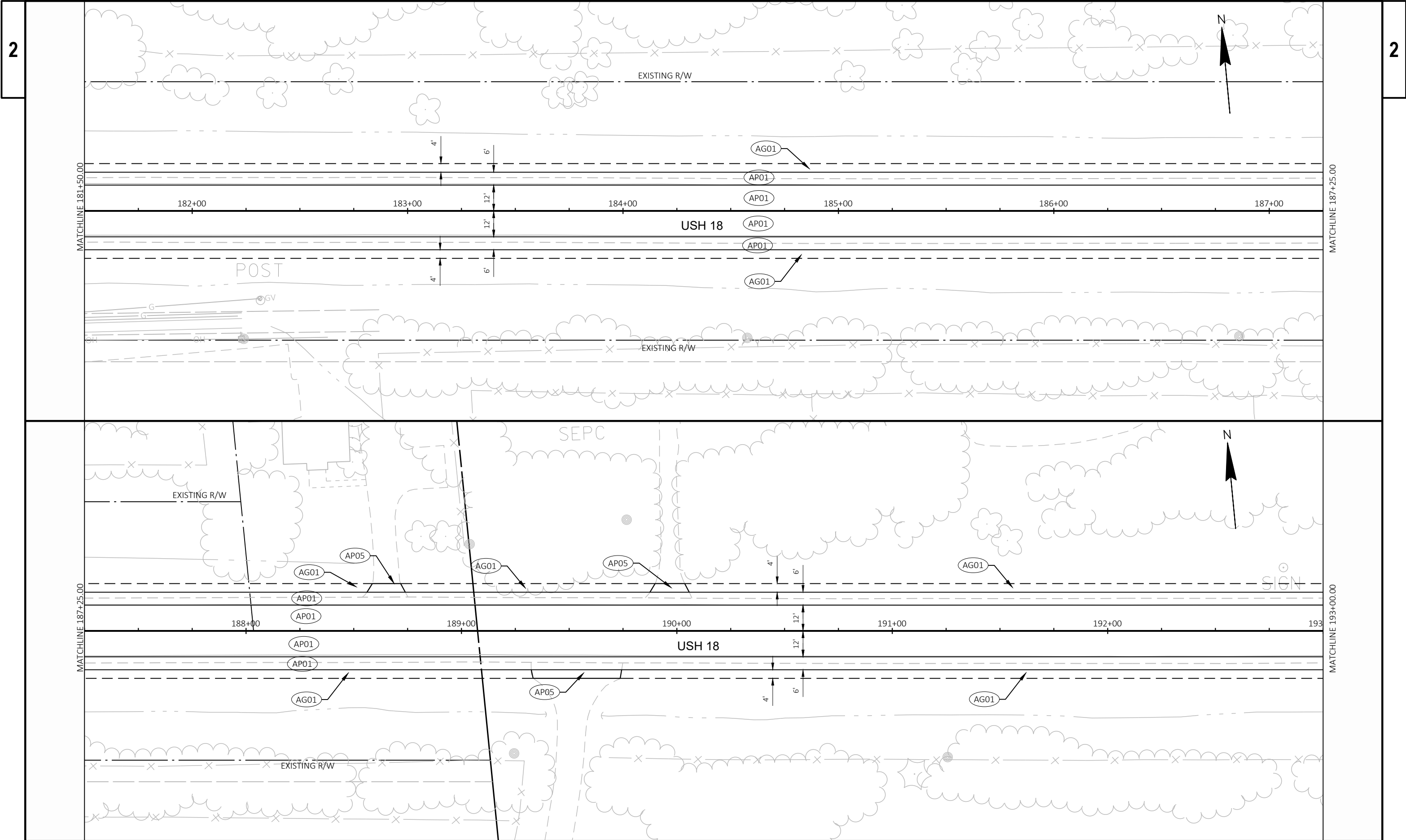
PLAN DETAILS

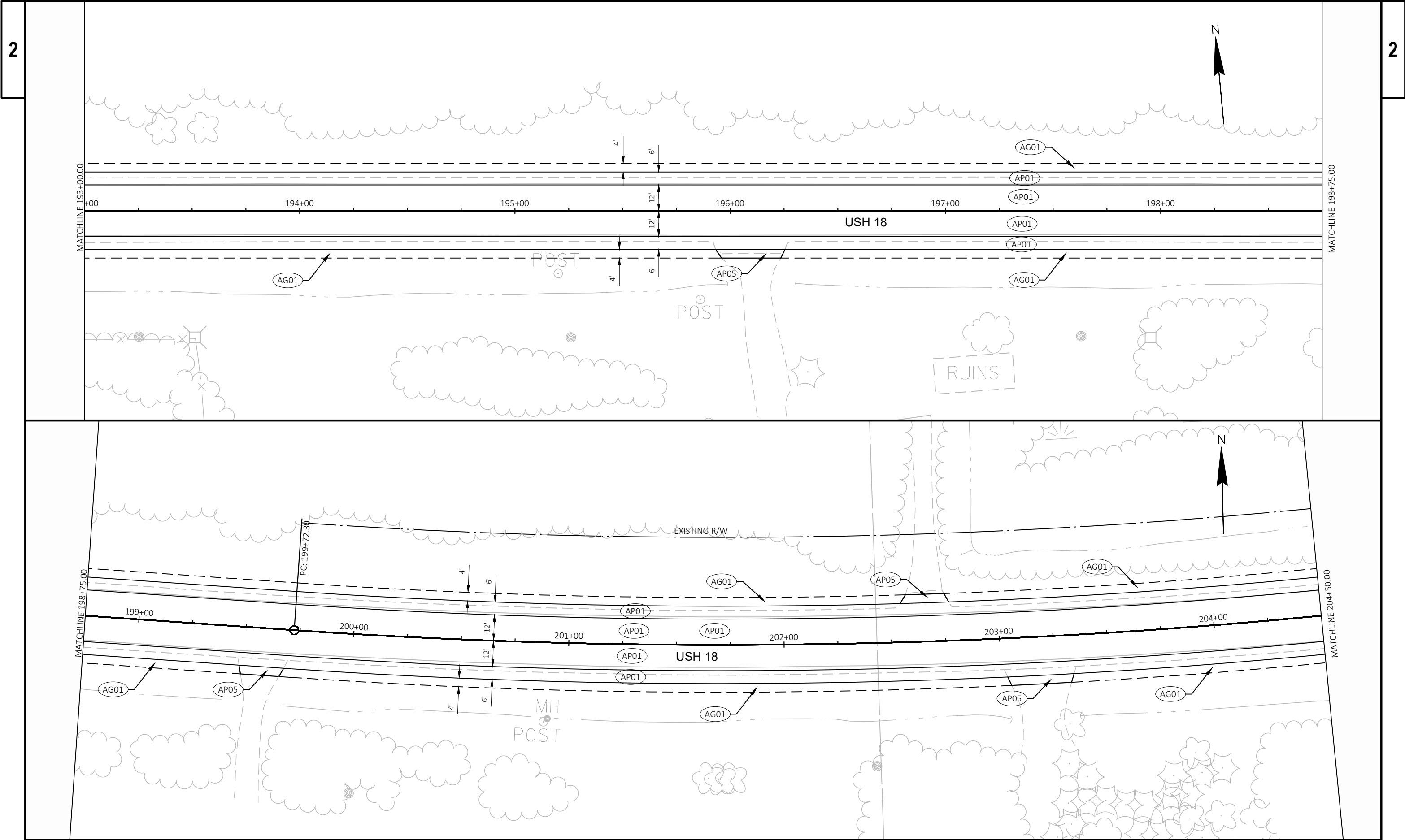
SHEET

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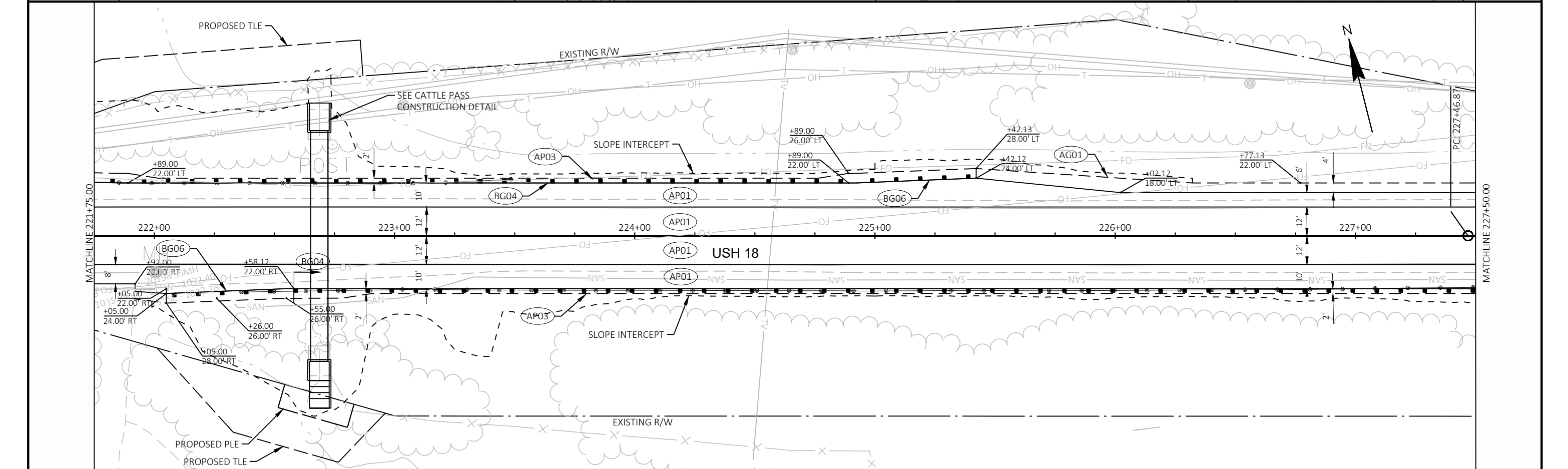
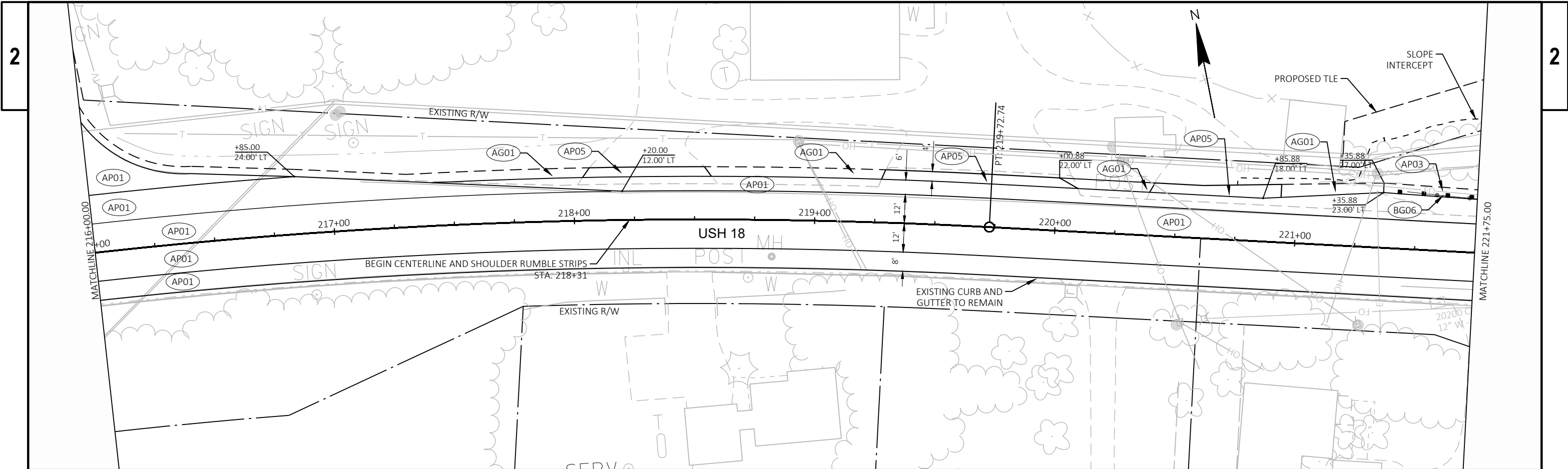


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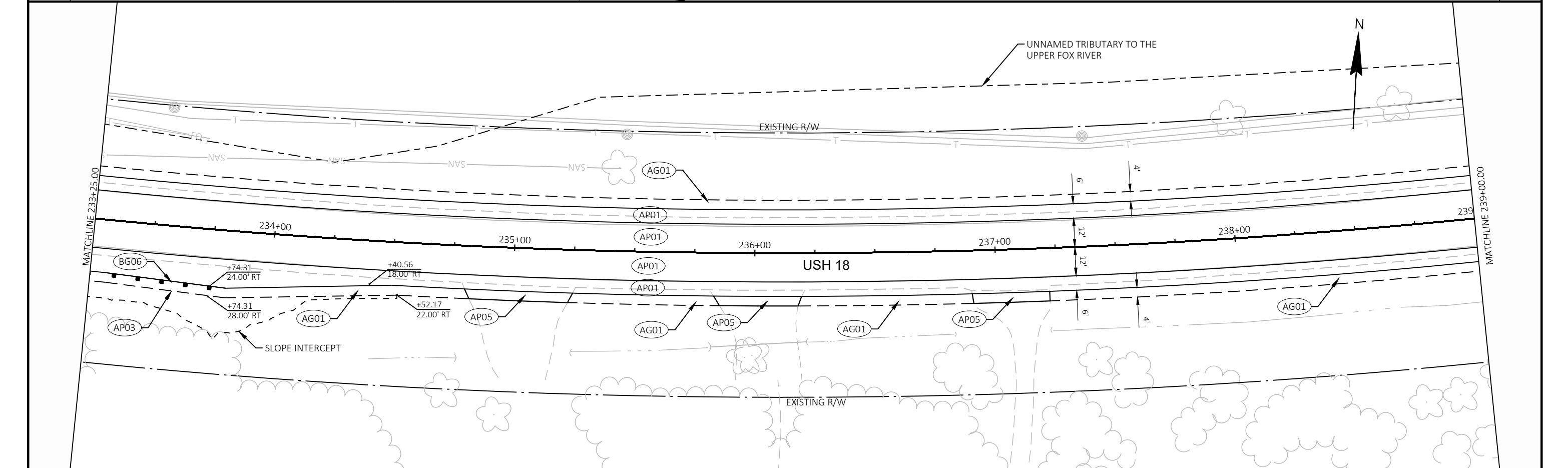
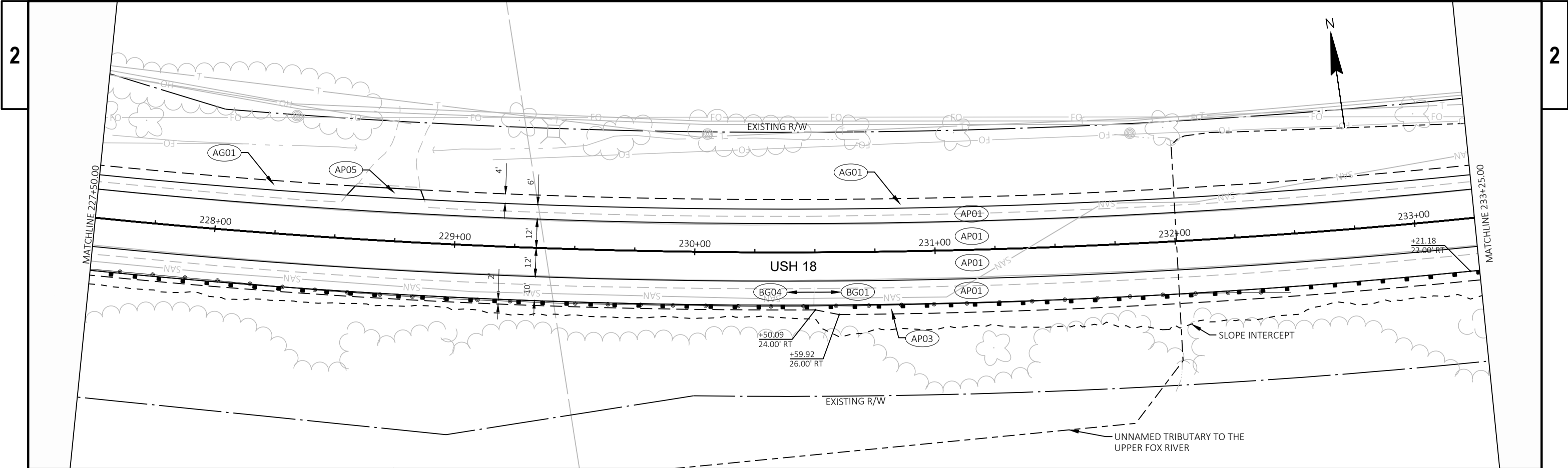


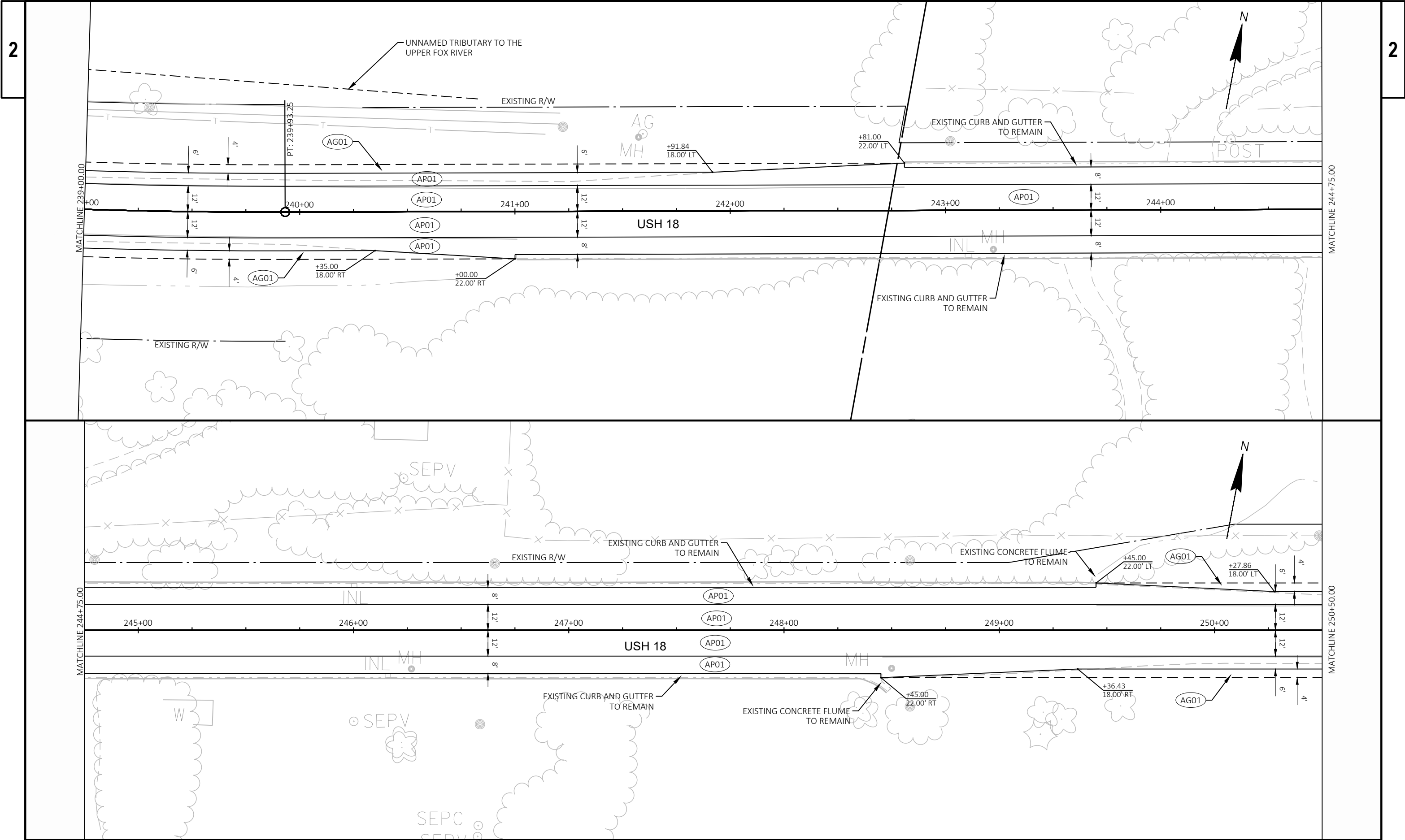


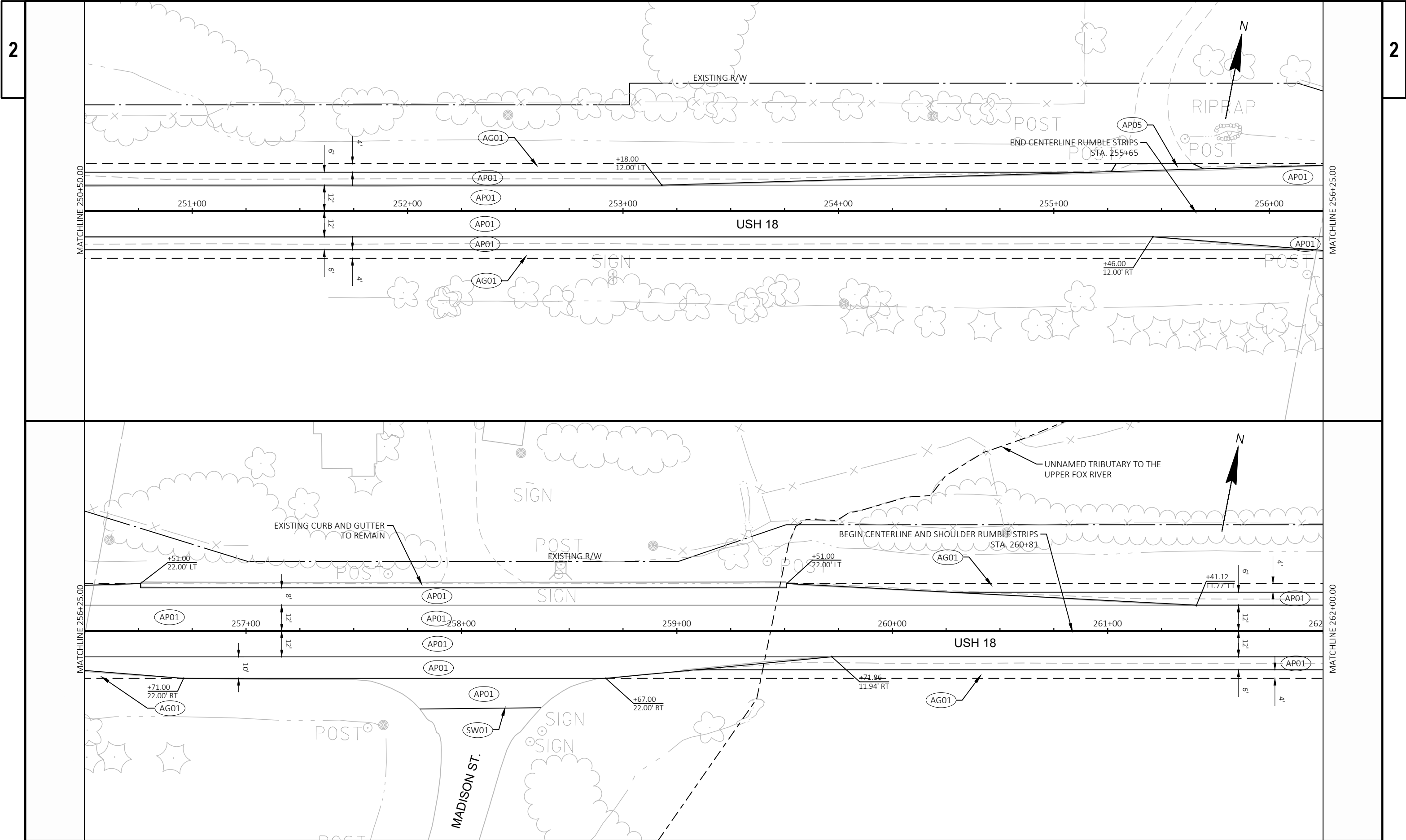


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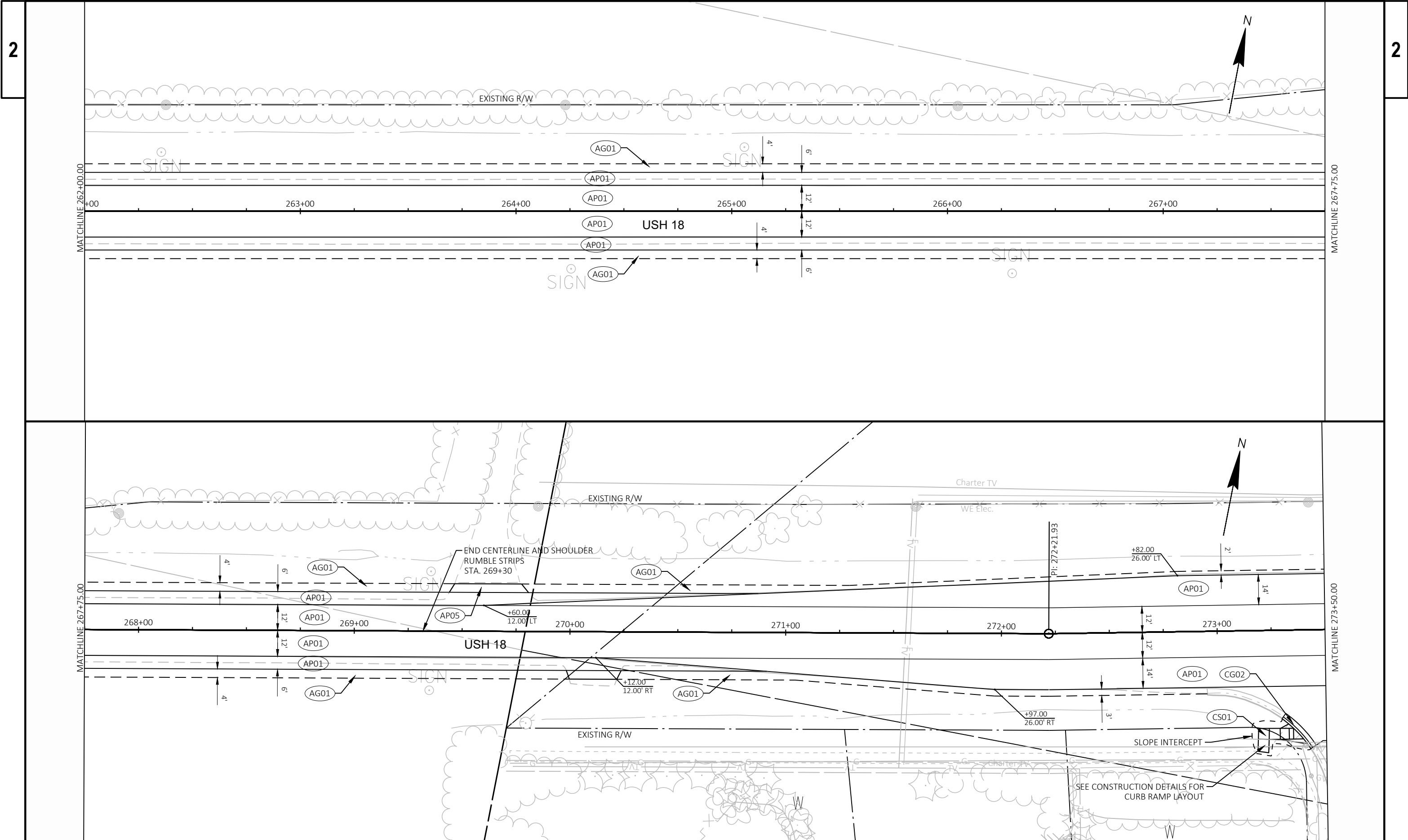


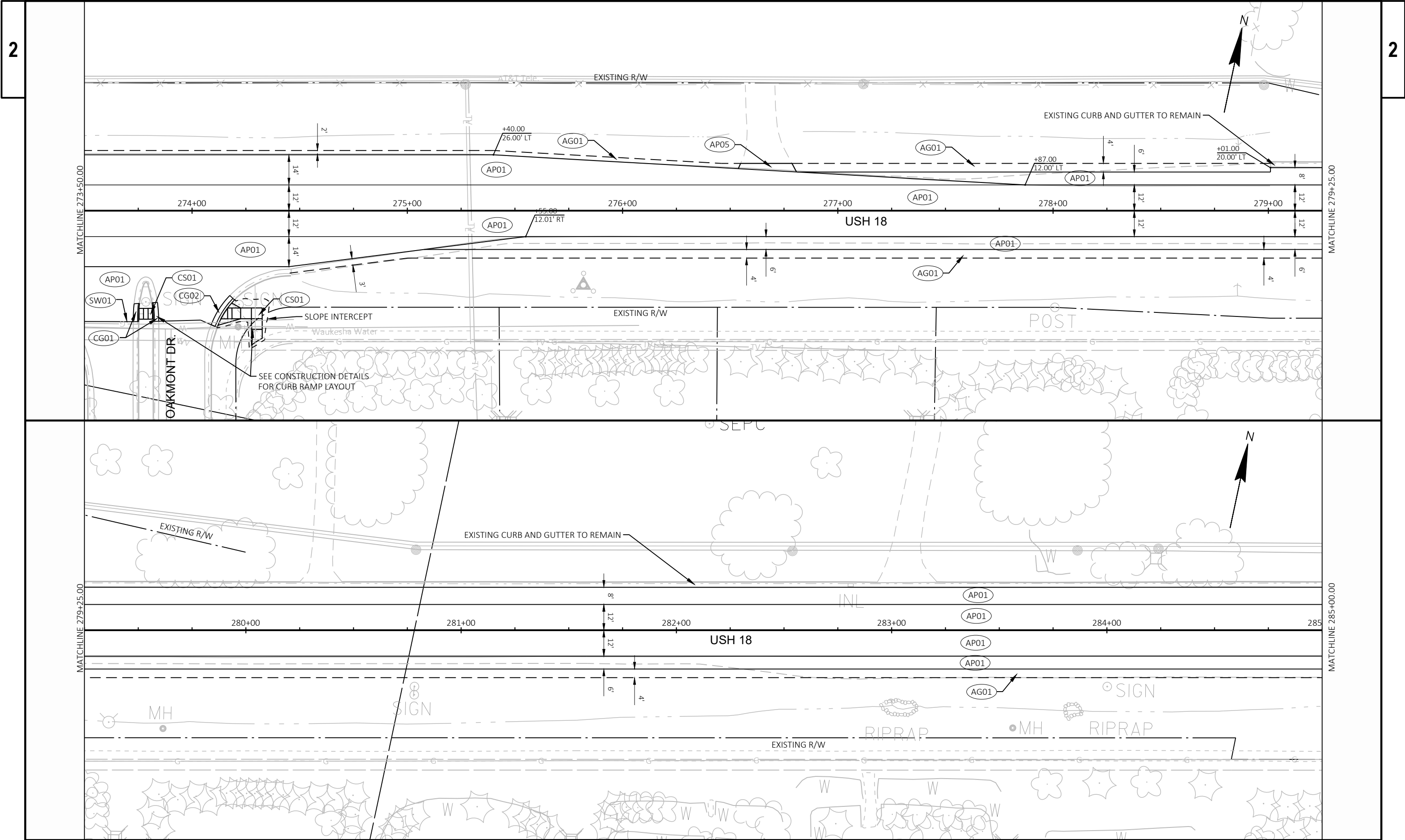




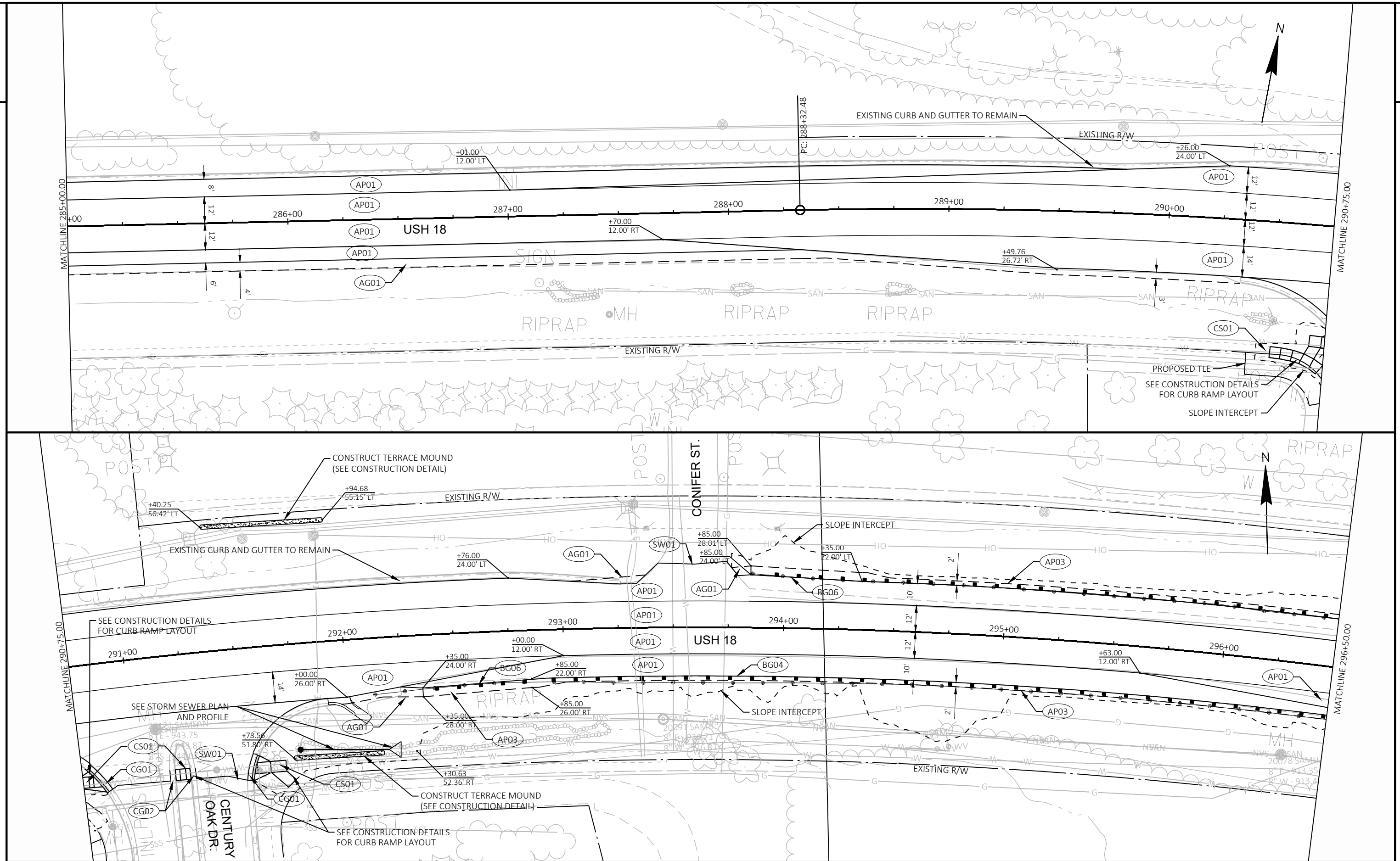


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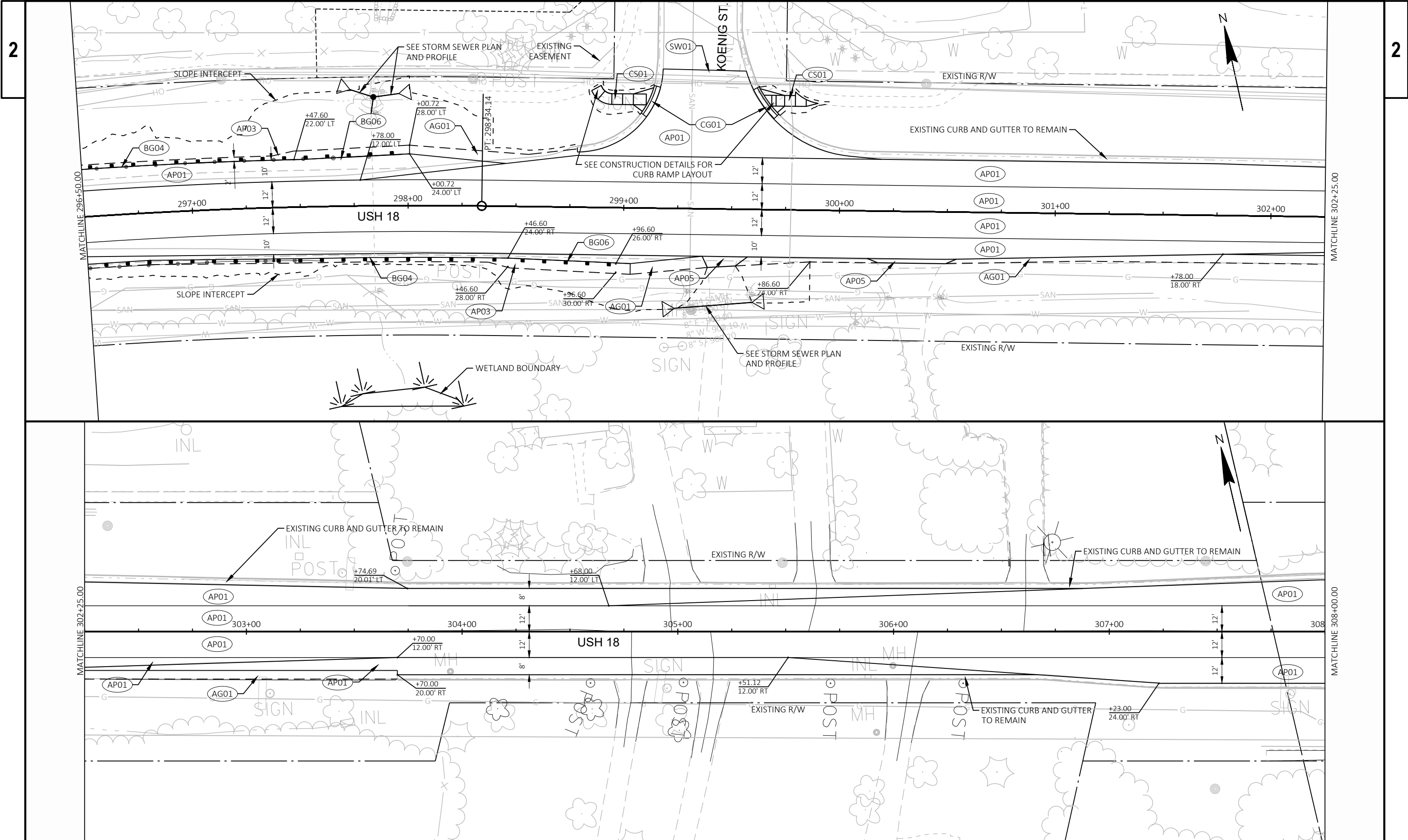


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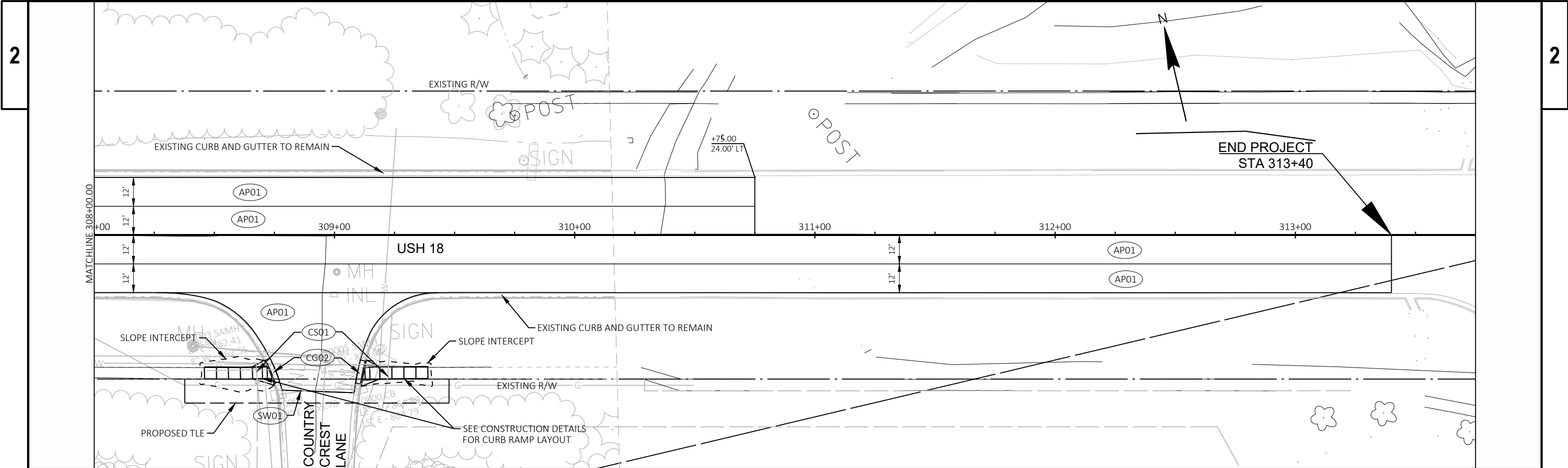


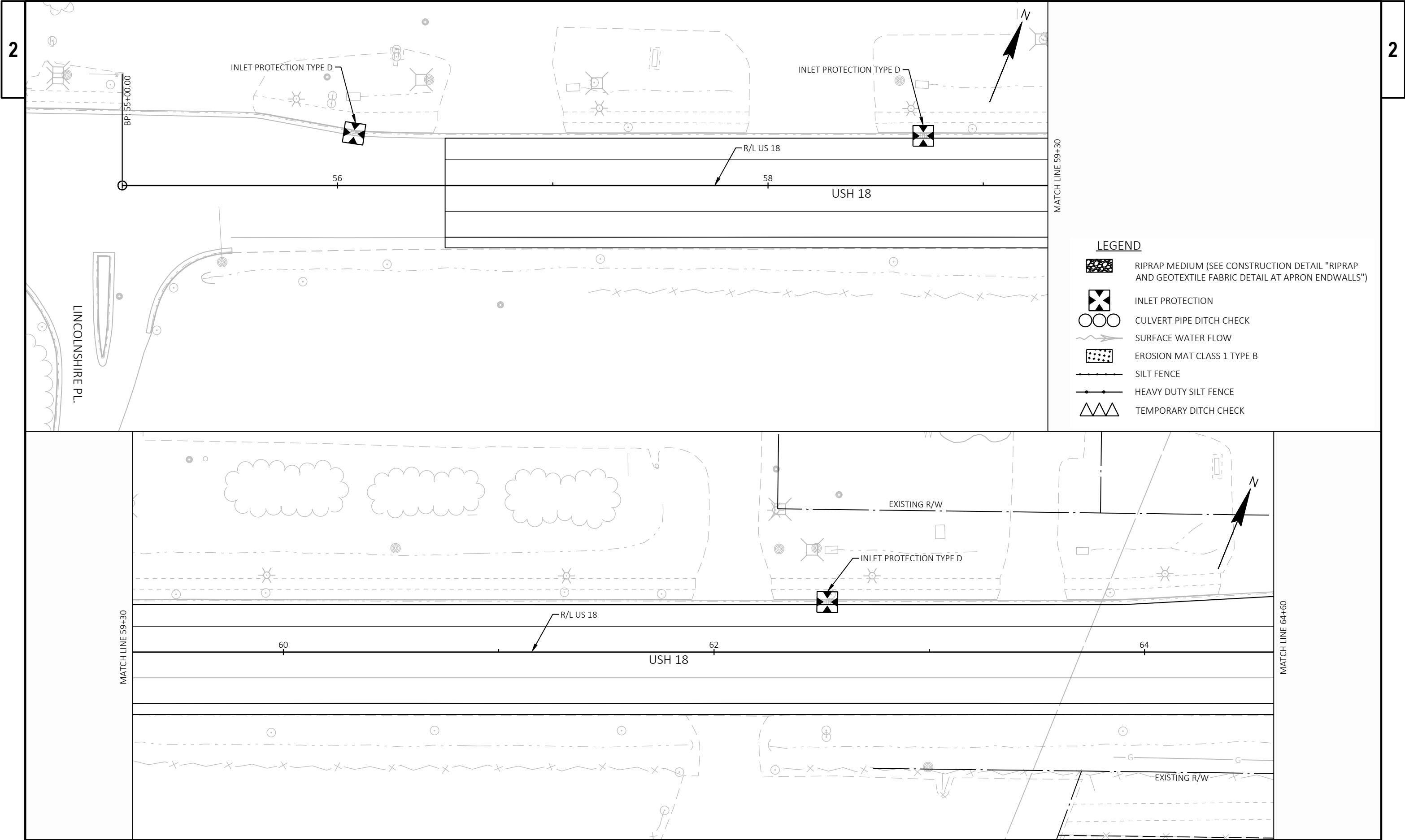
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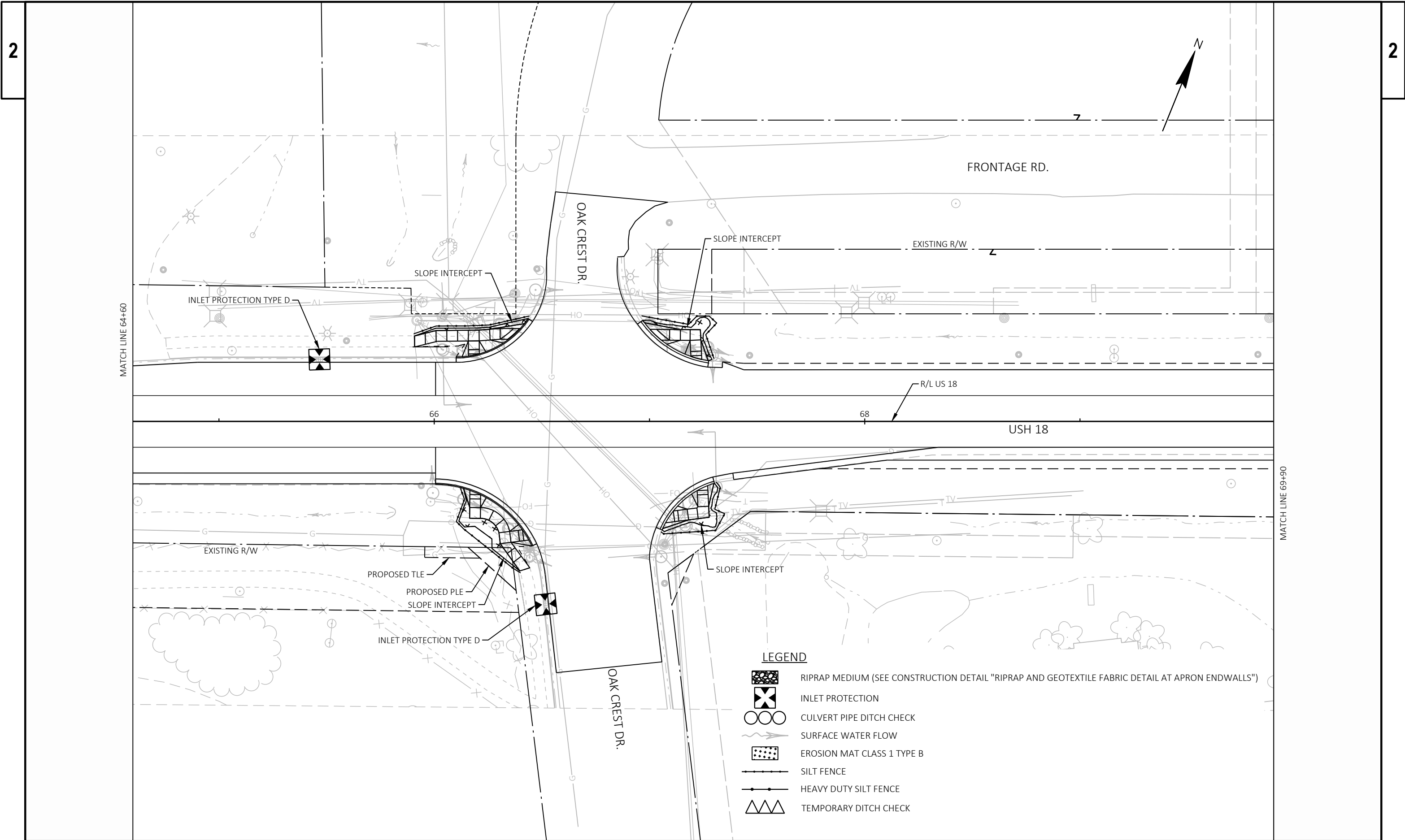


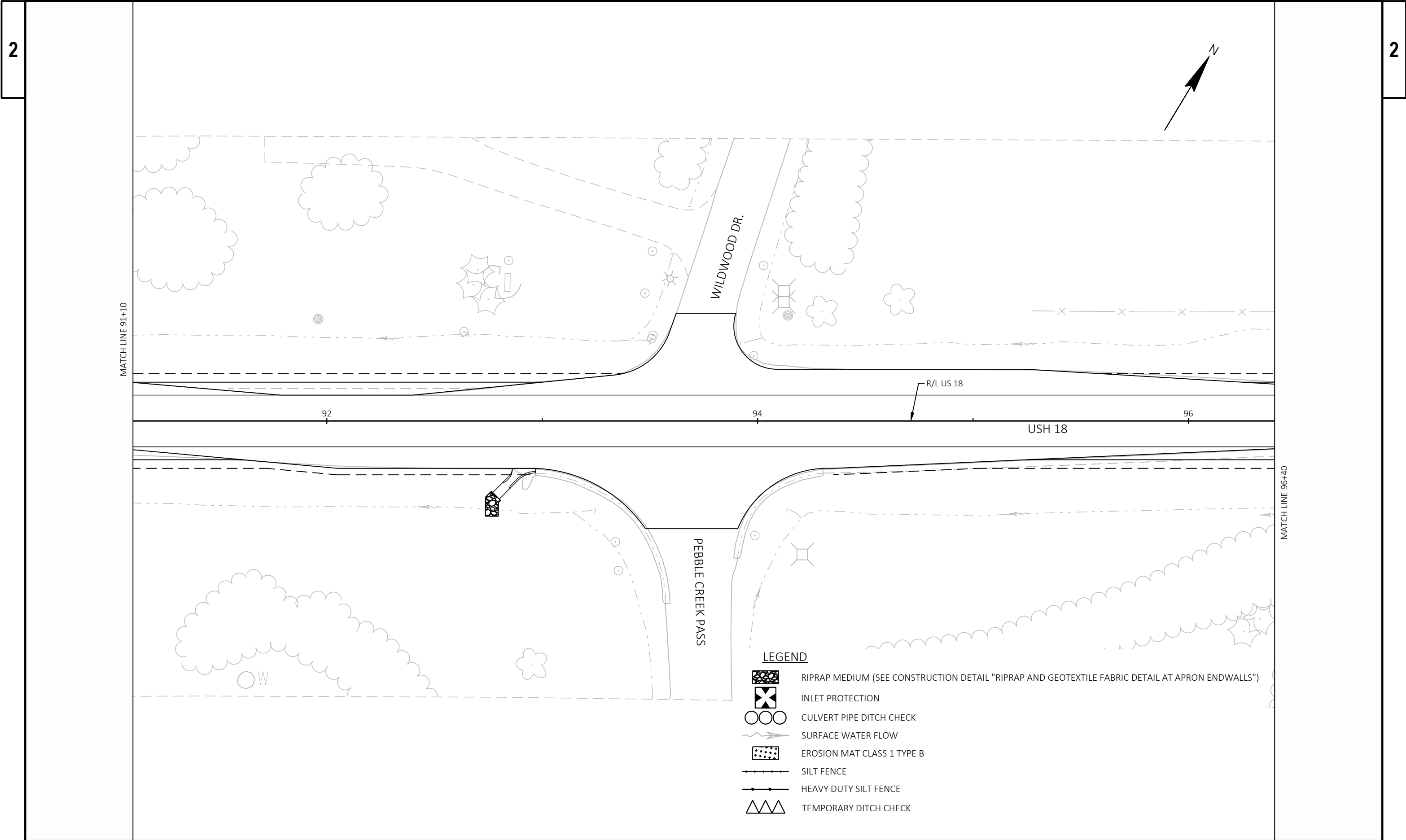


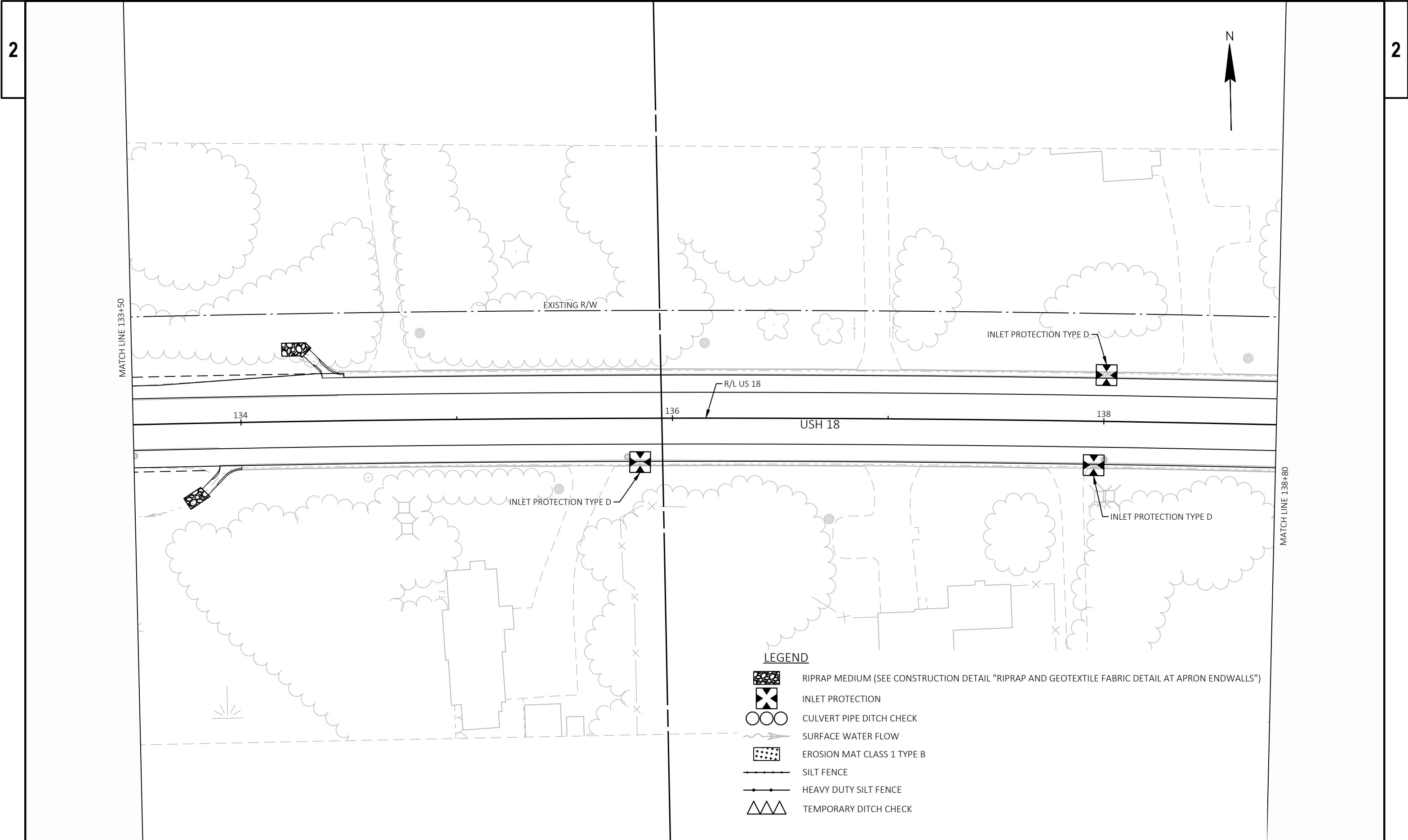


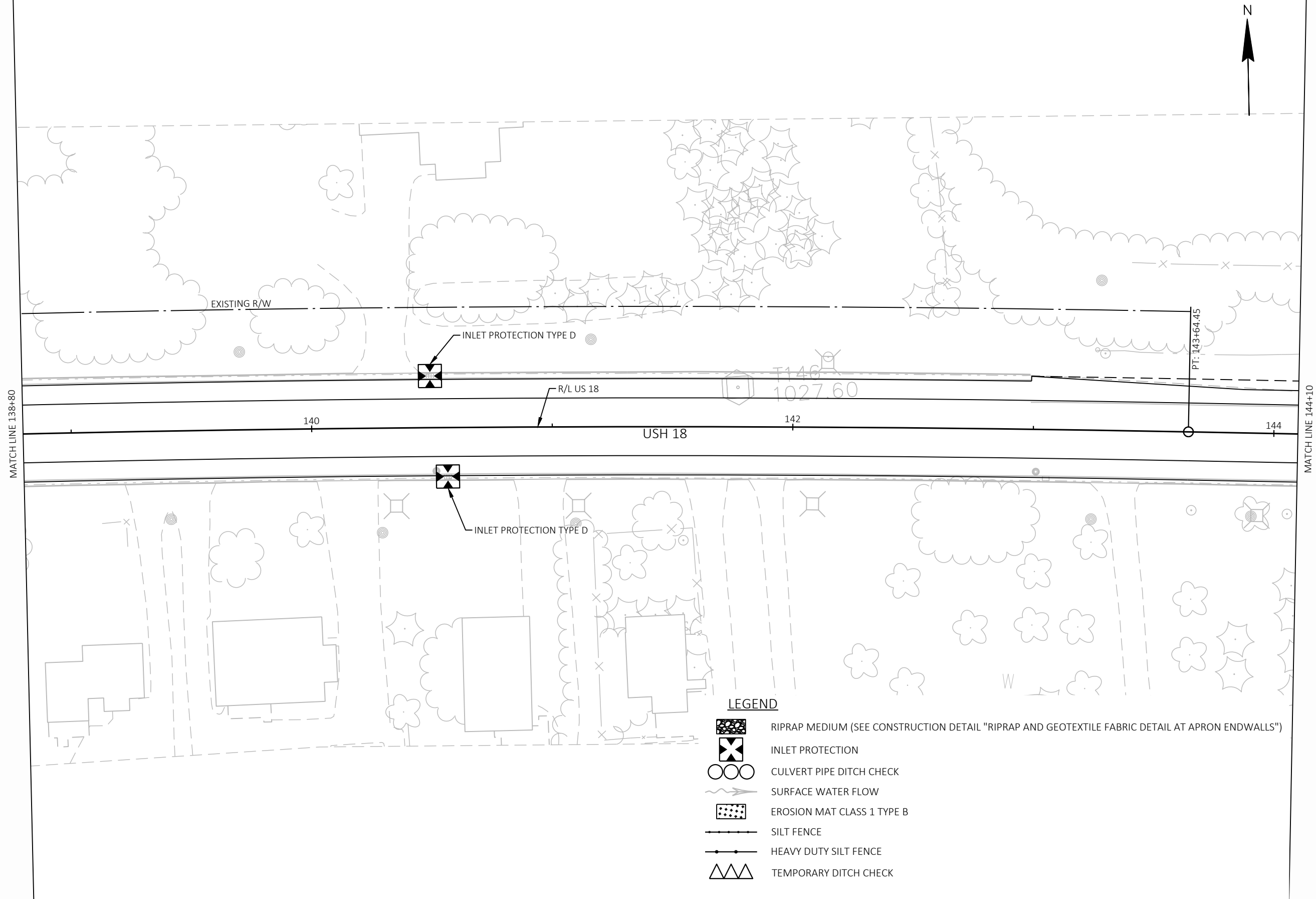




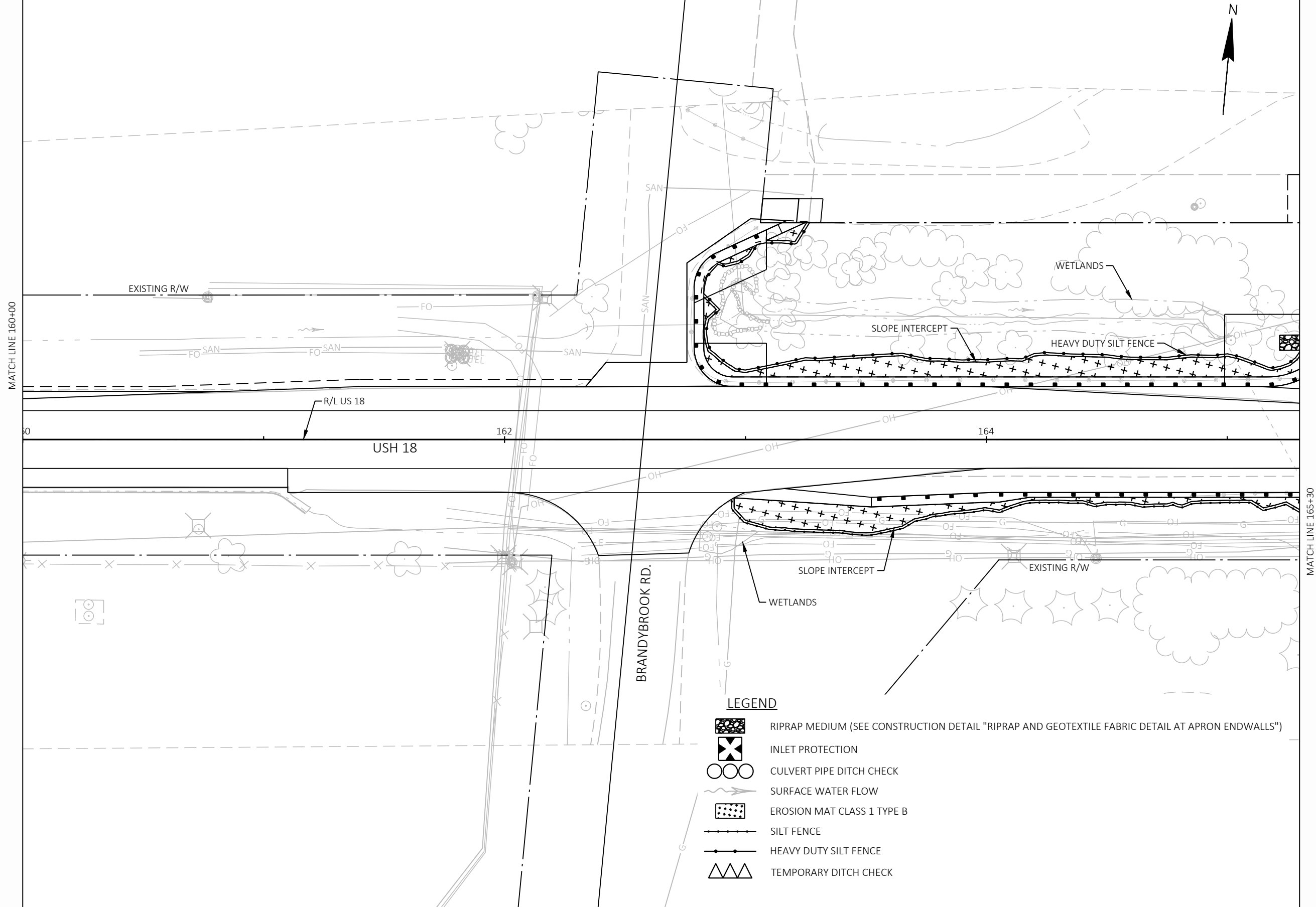




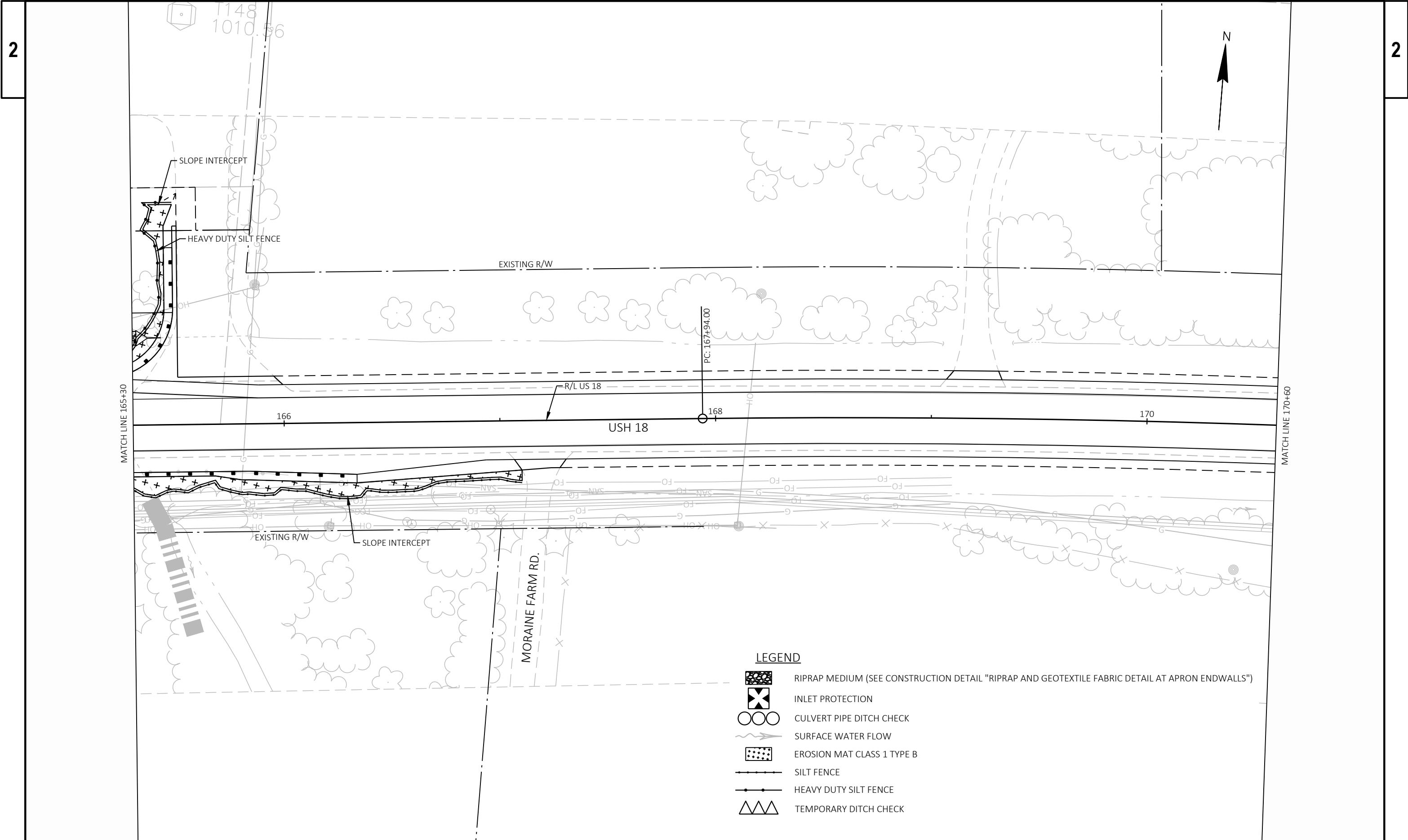


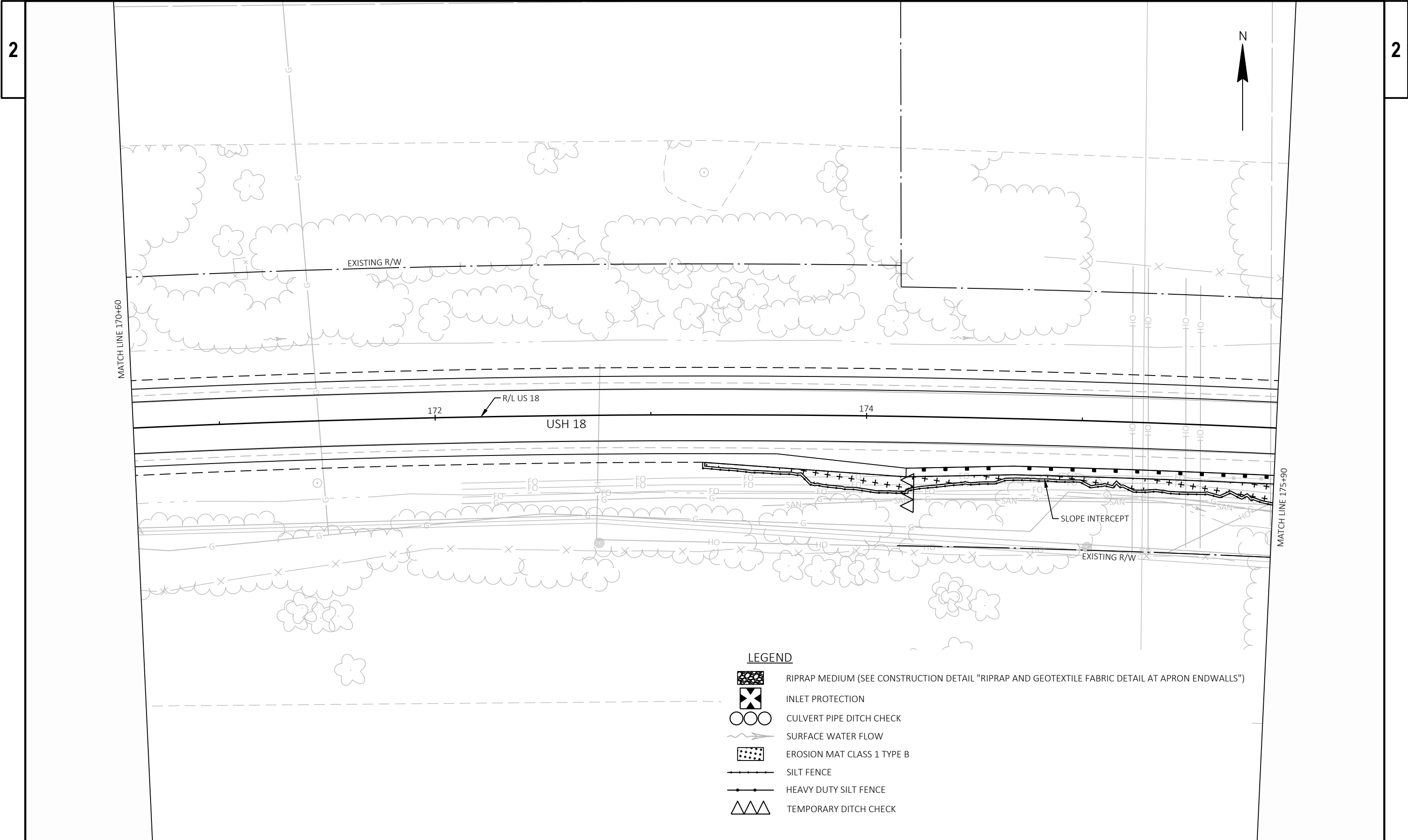




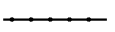
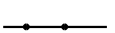


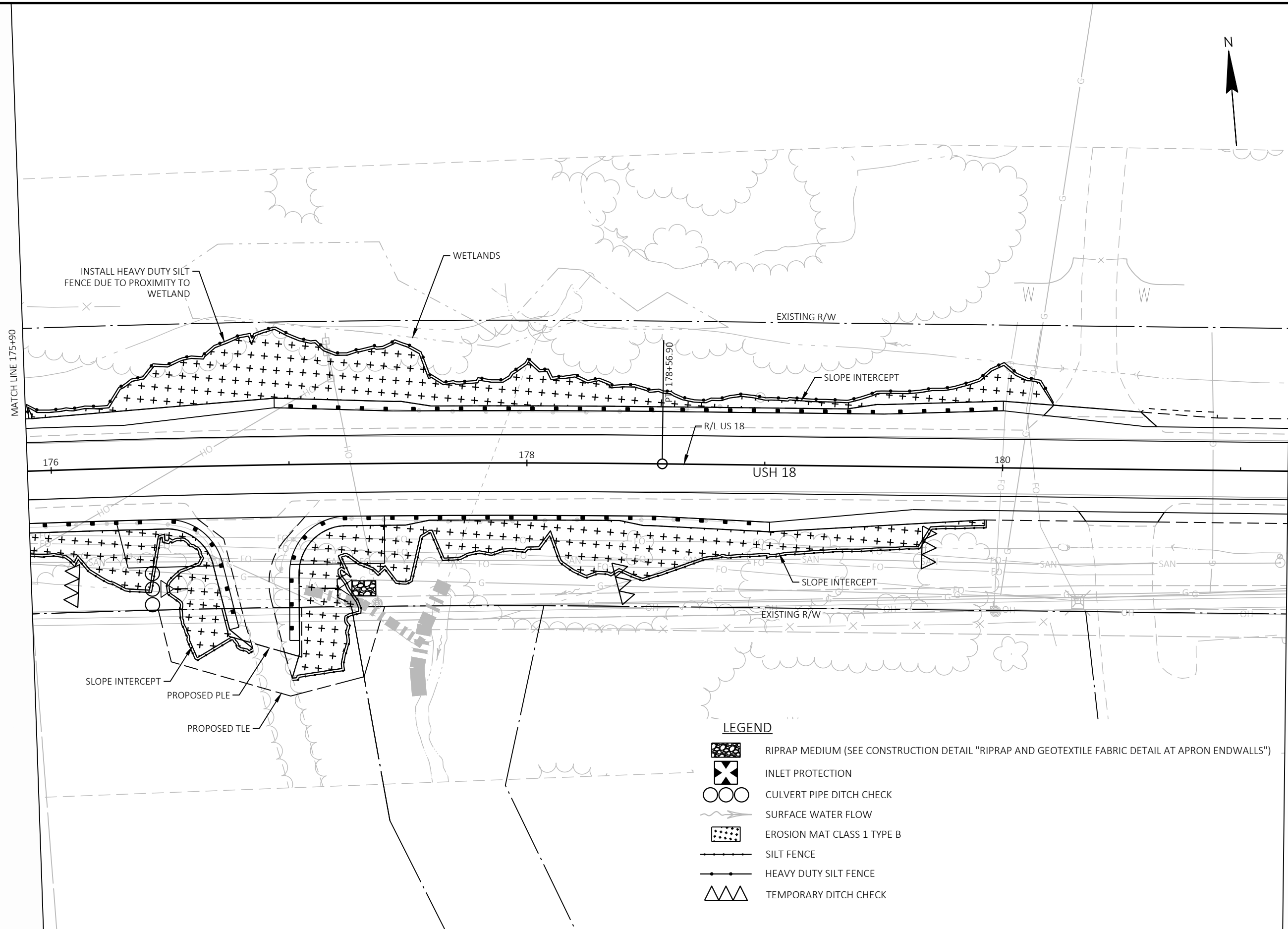


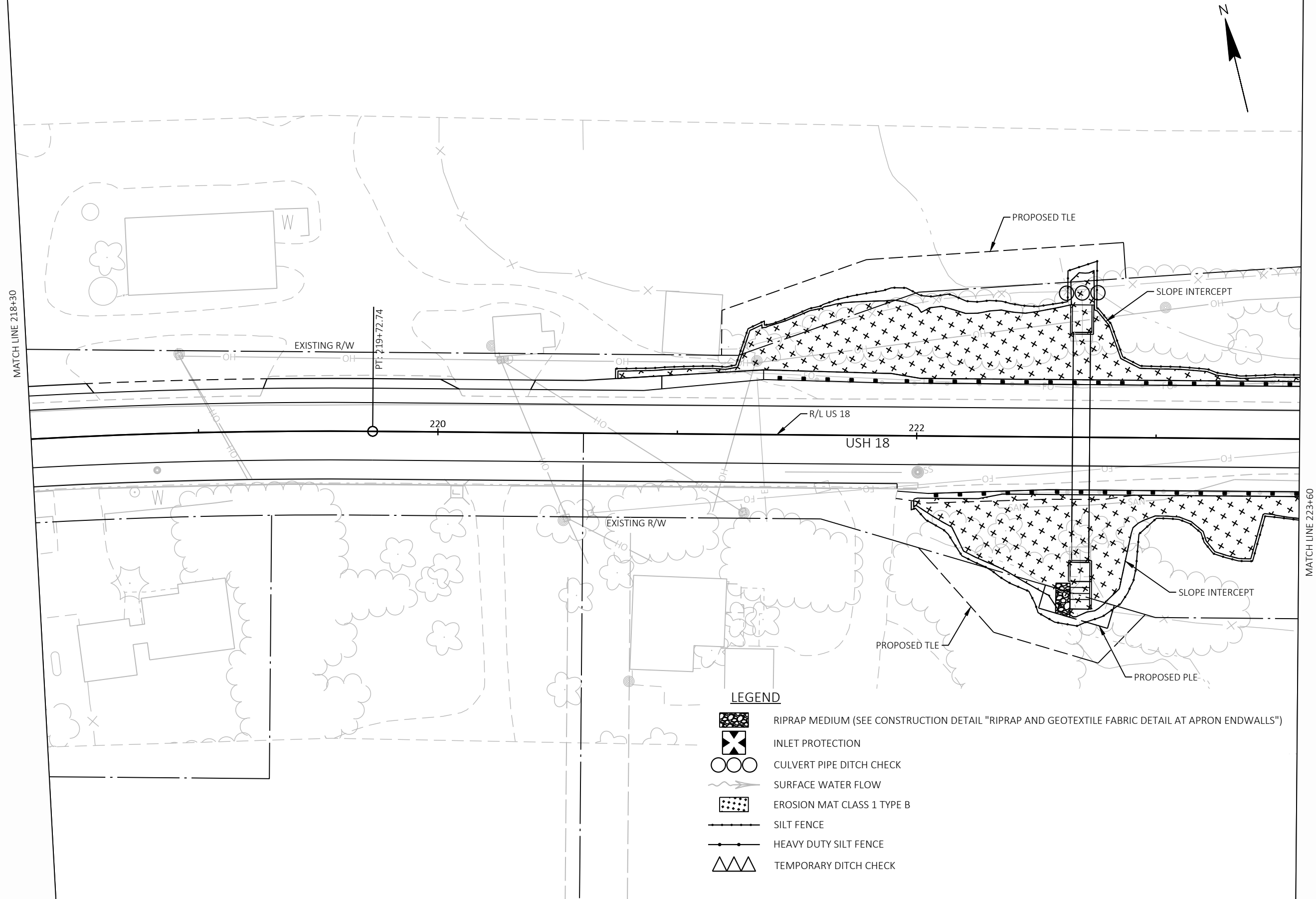




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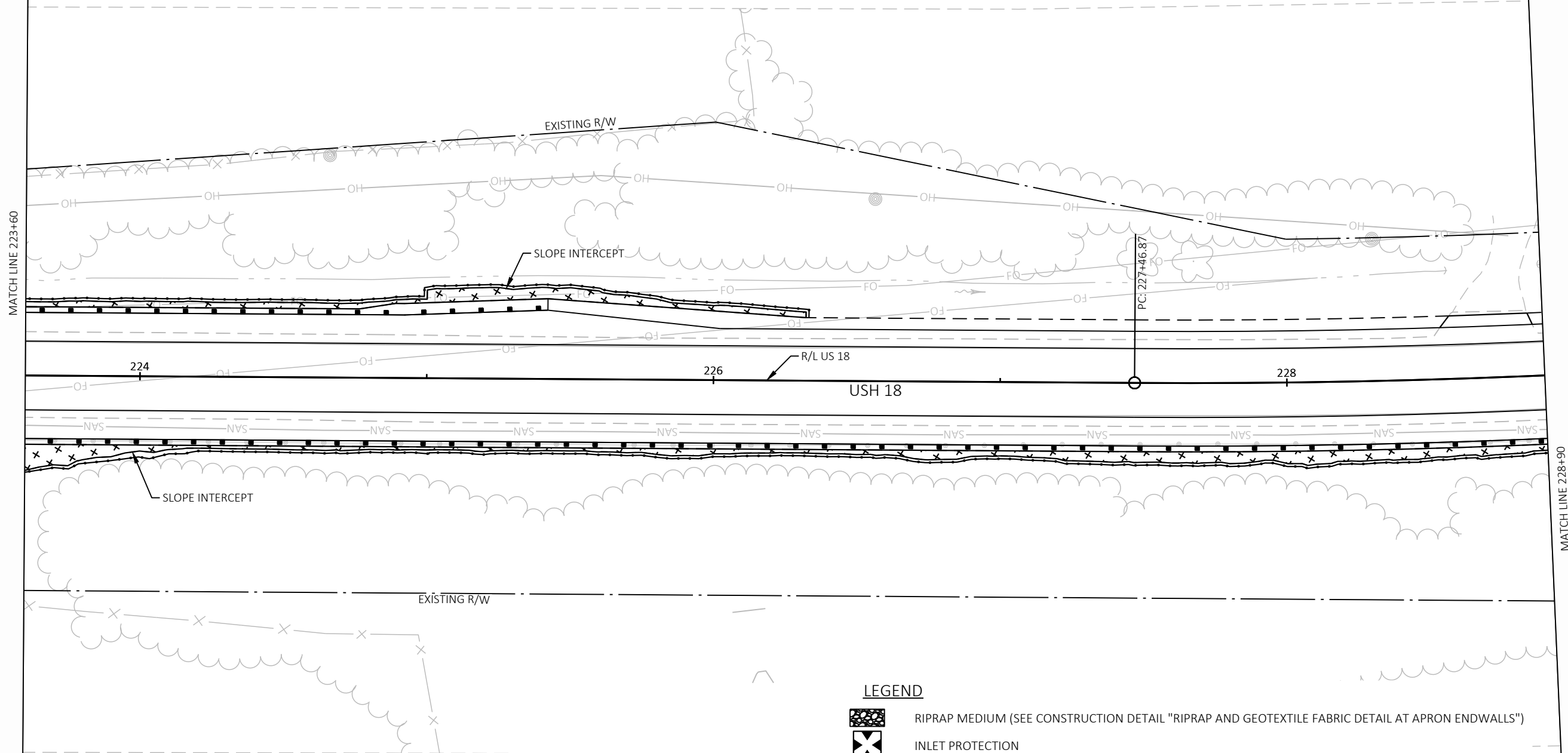
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-  INLET PROTECTION
-  CULVERT PIPE DITCH CHECK
-  SURFACE WATER FLOW
-  EROSION MAT CLASS 1 TYPE B
-  SILT FENCE
-  HEAVY DUTY SILT FENCE
-  TEMPORARY DITCH CHECK





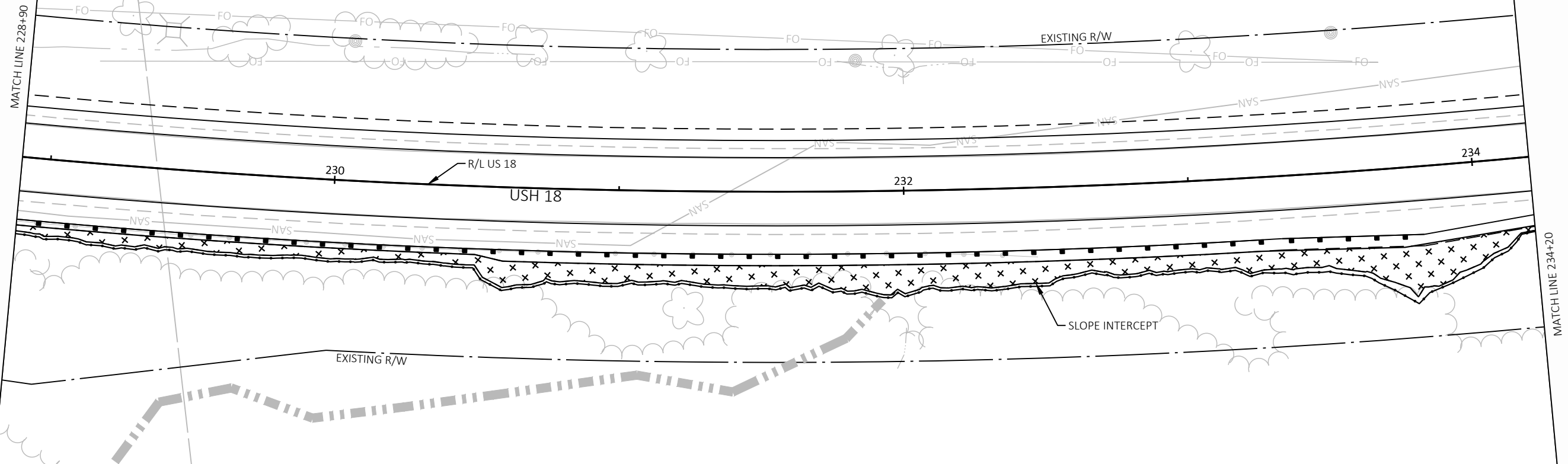
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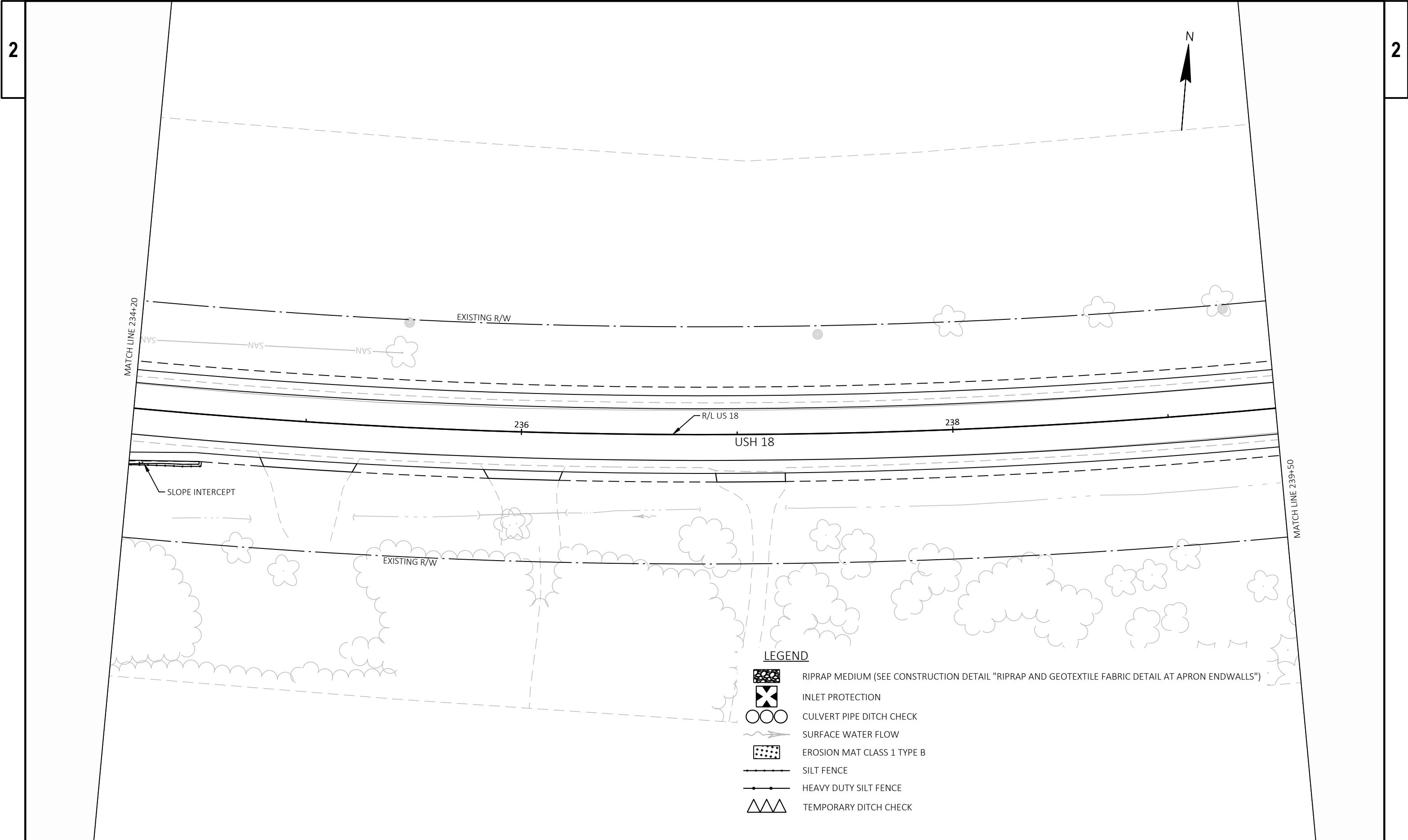
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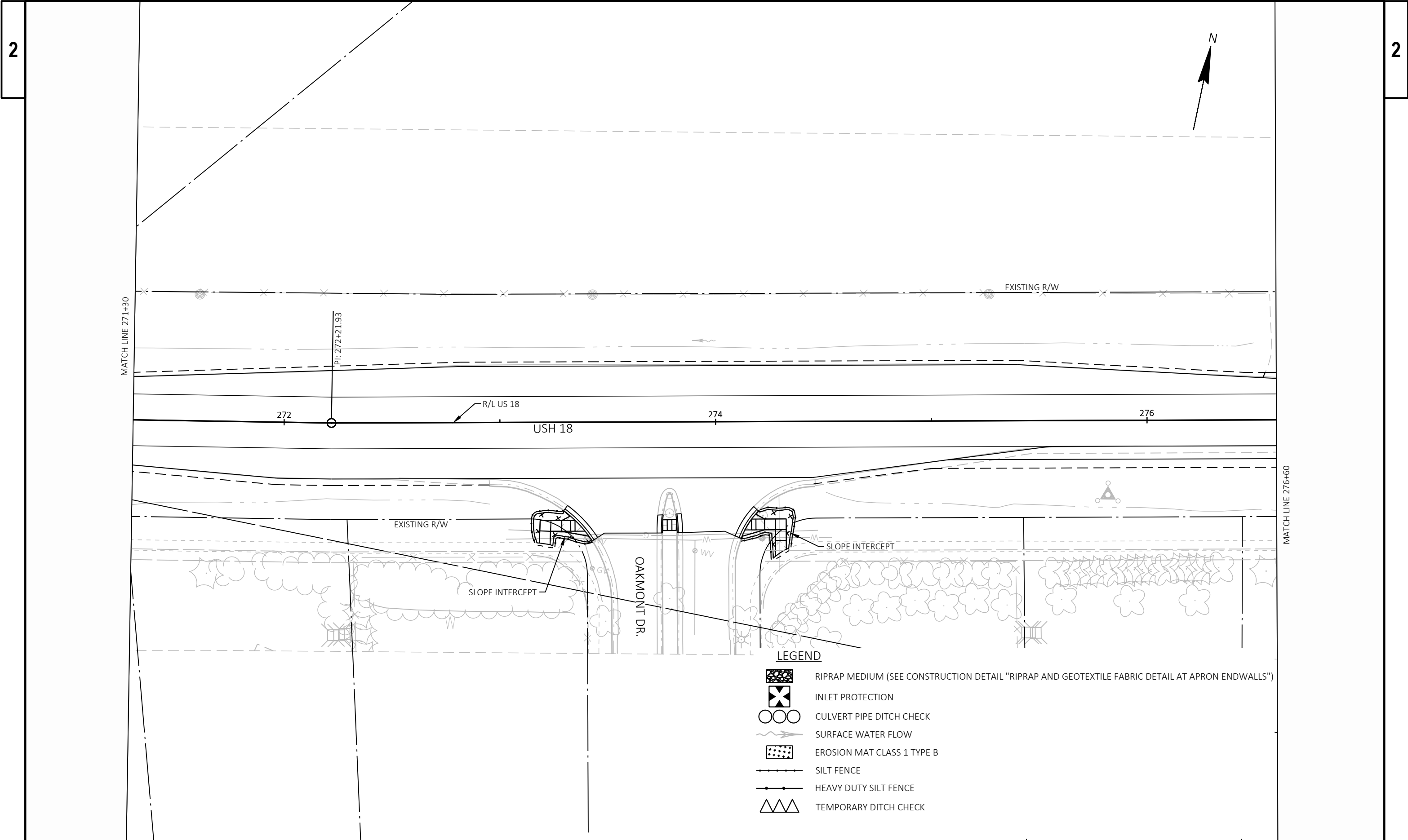
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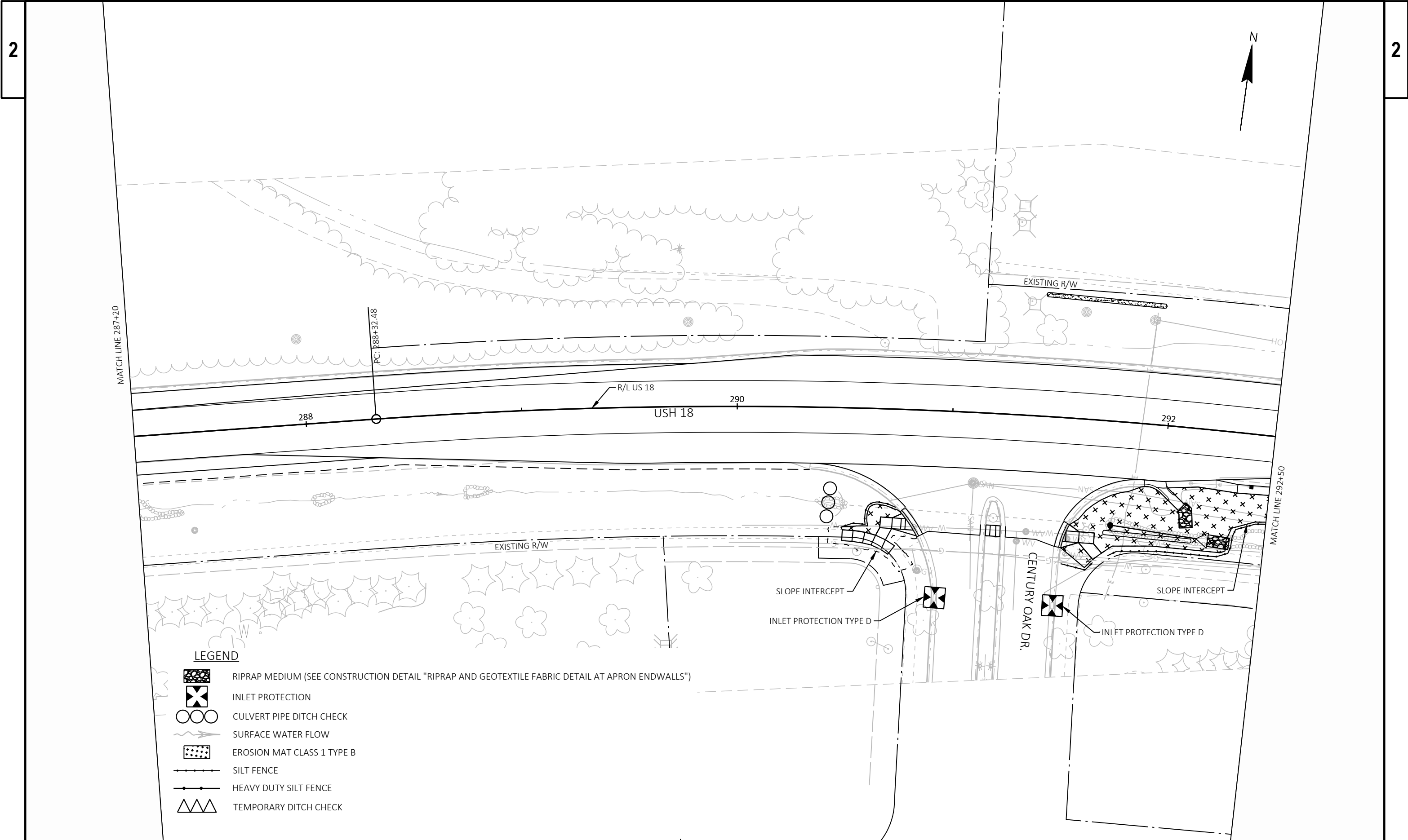
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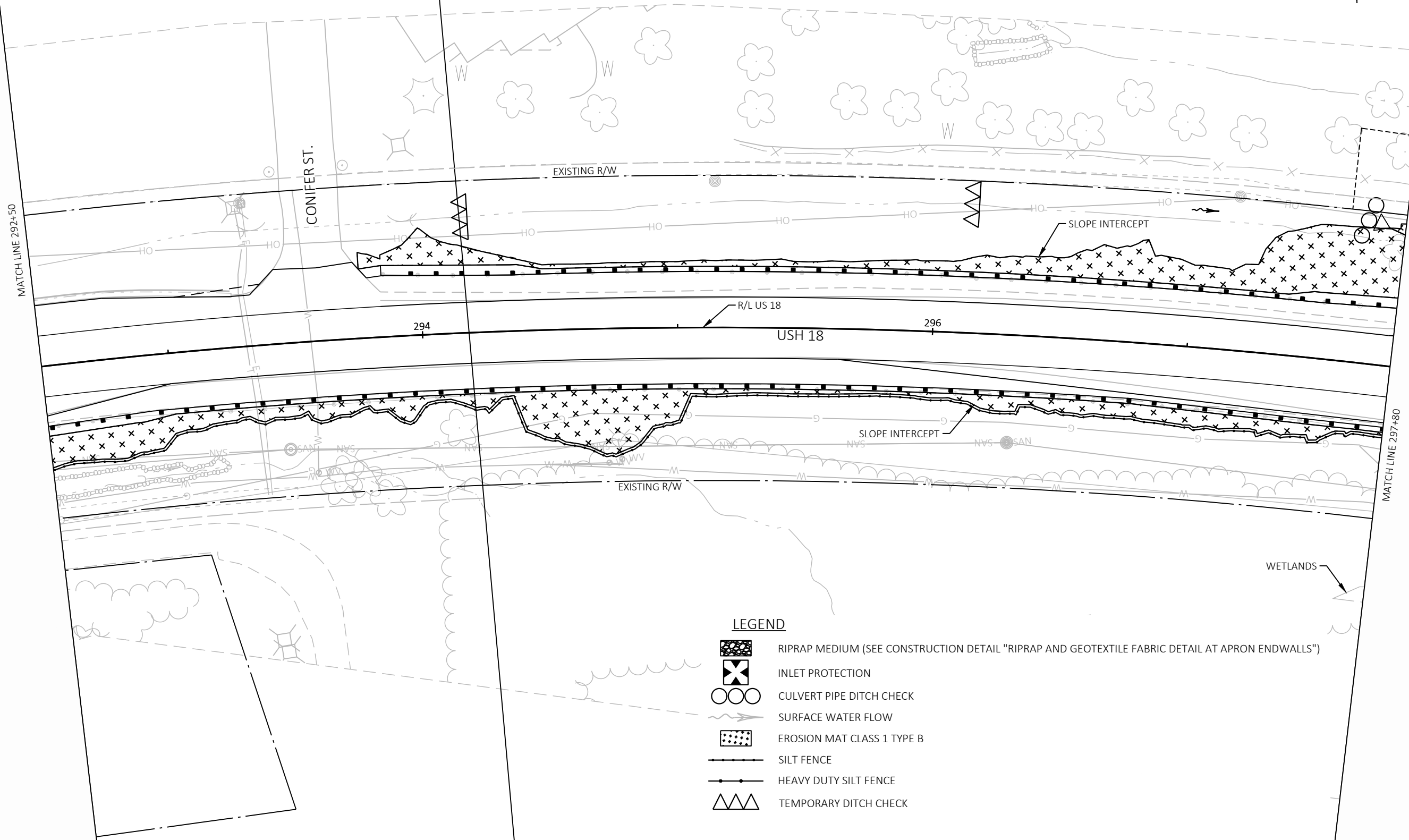






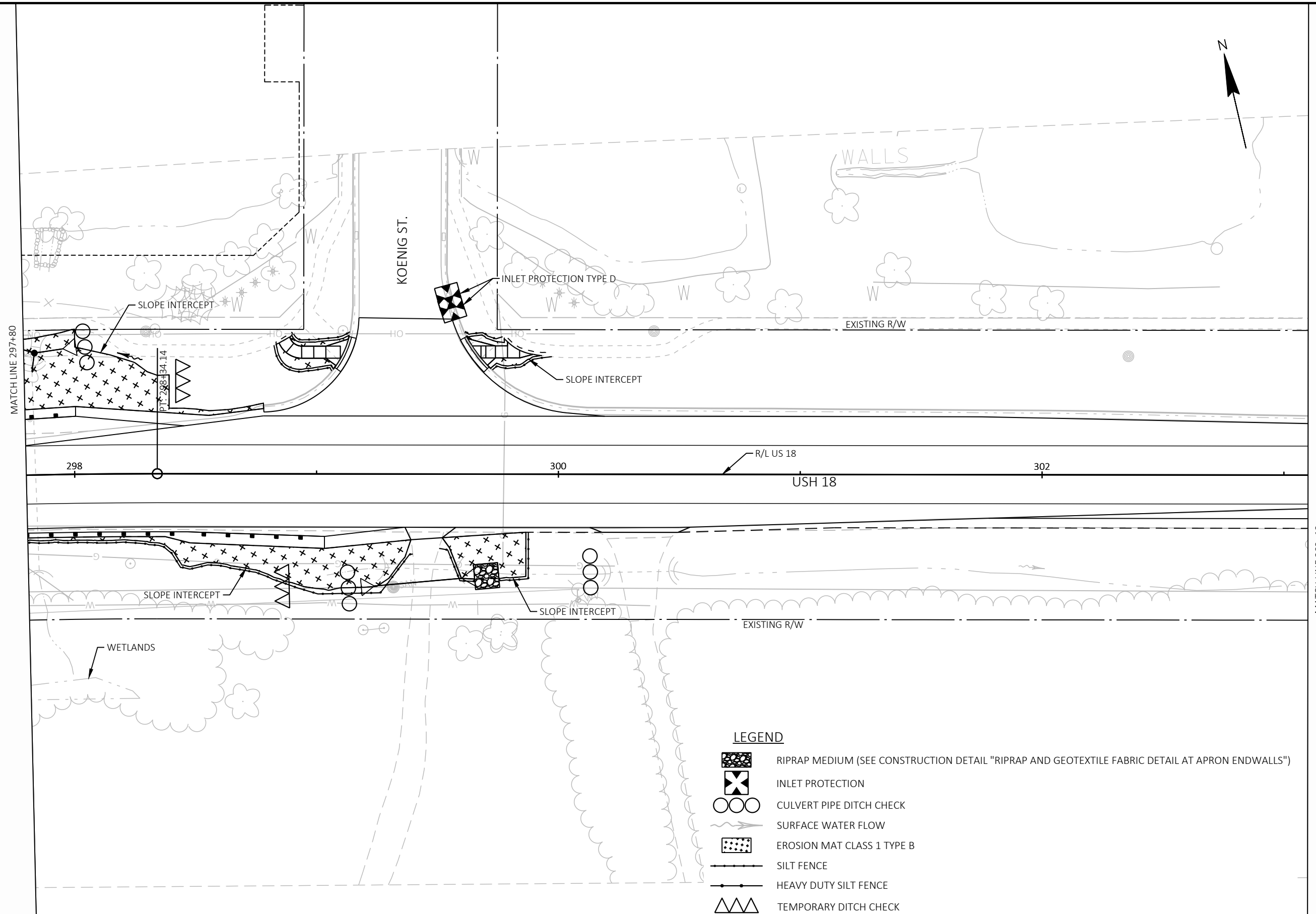






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PROJECT NO: 2210-12-70

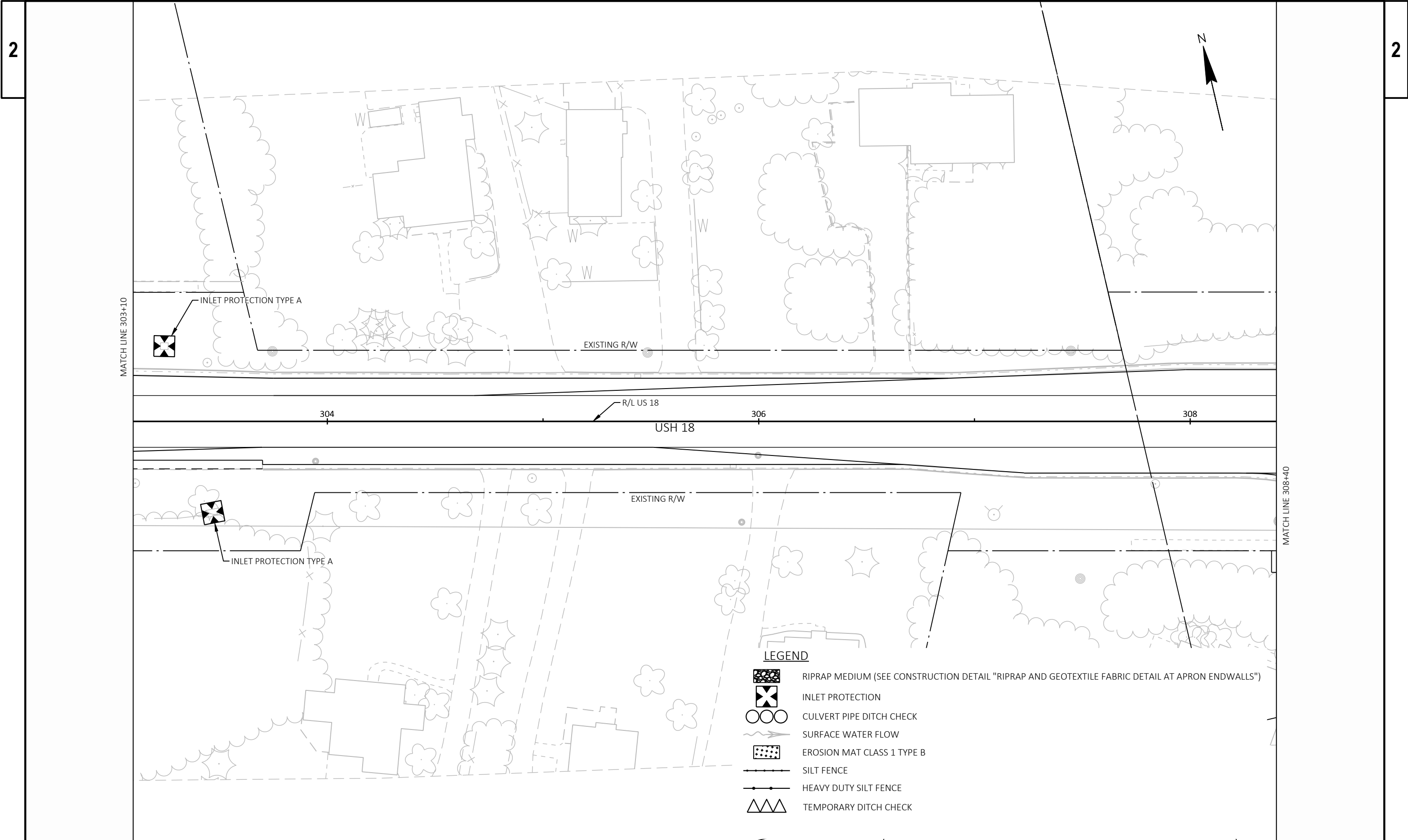
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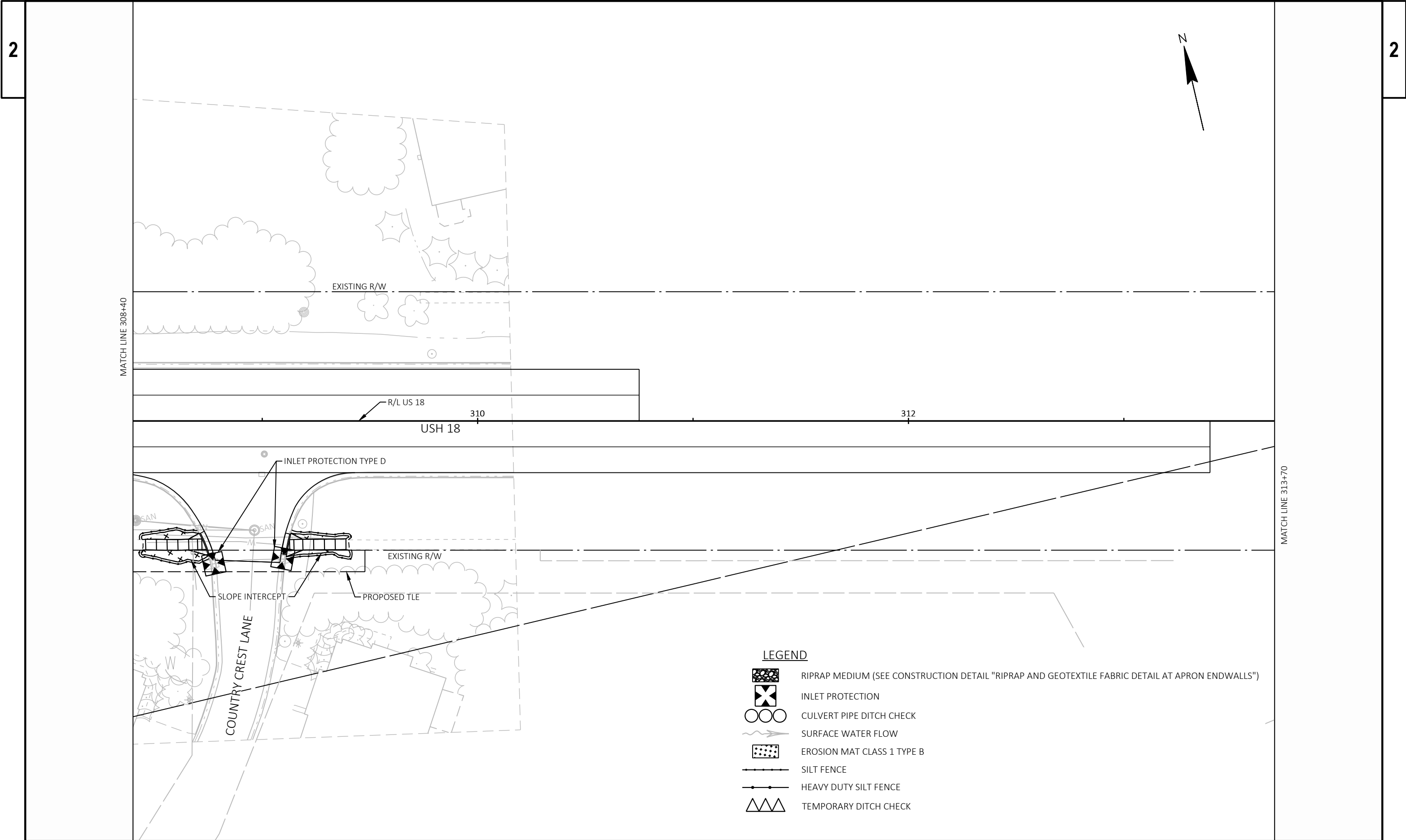
COUNTY: WAUKESHA

EROSION CONTROL

SHEET

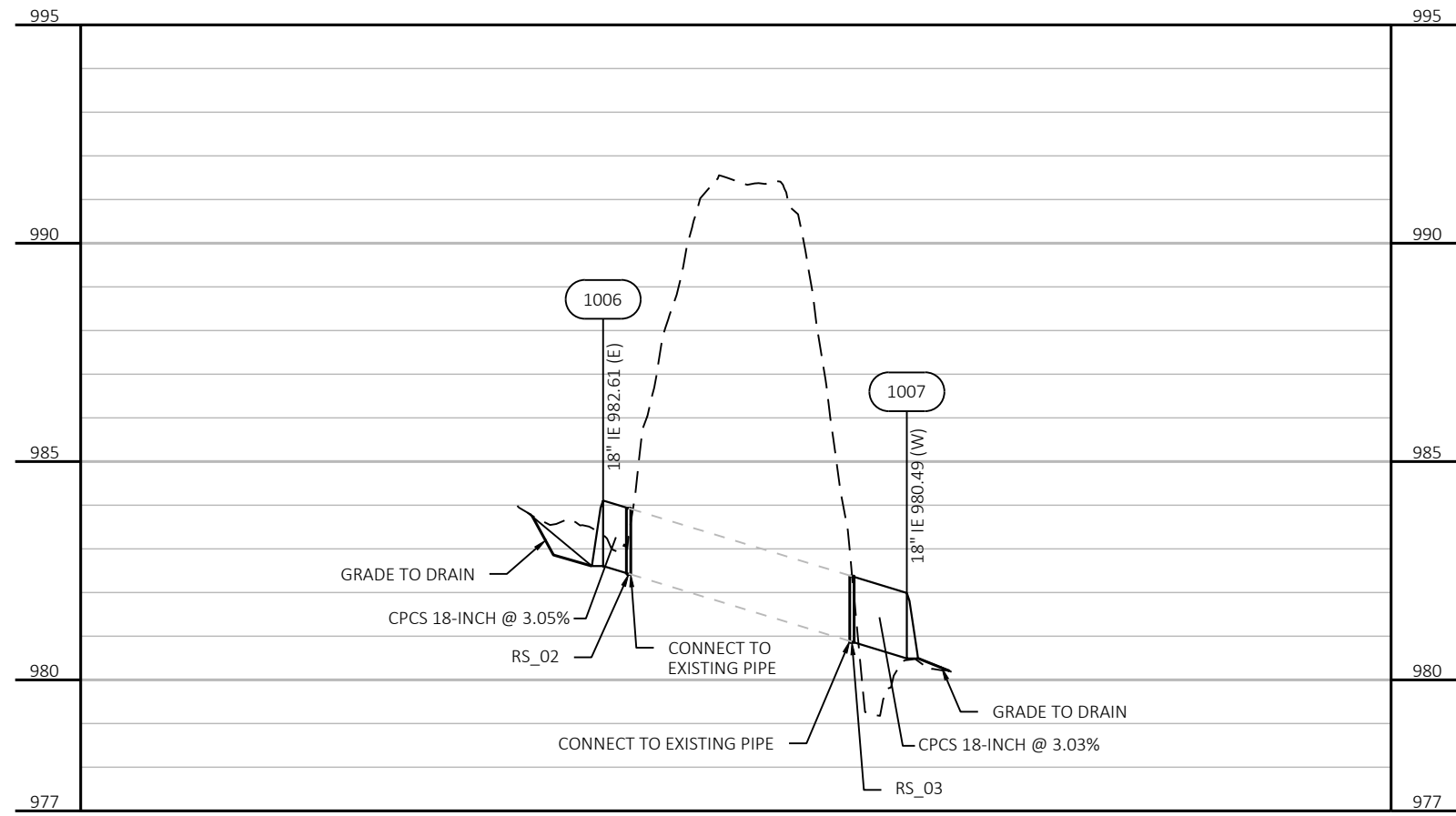
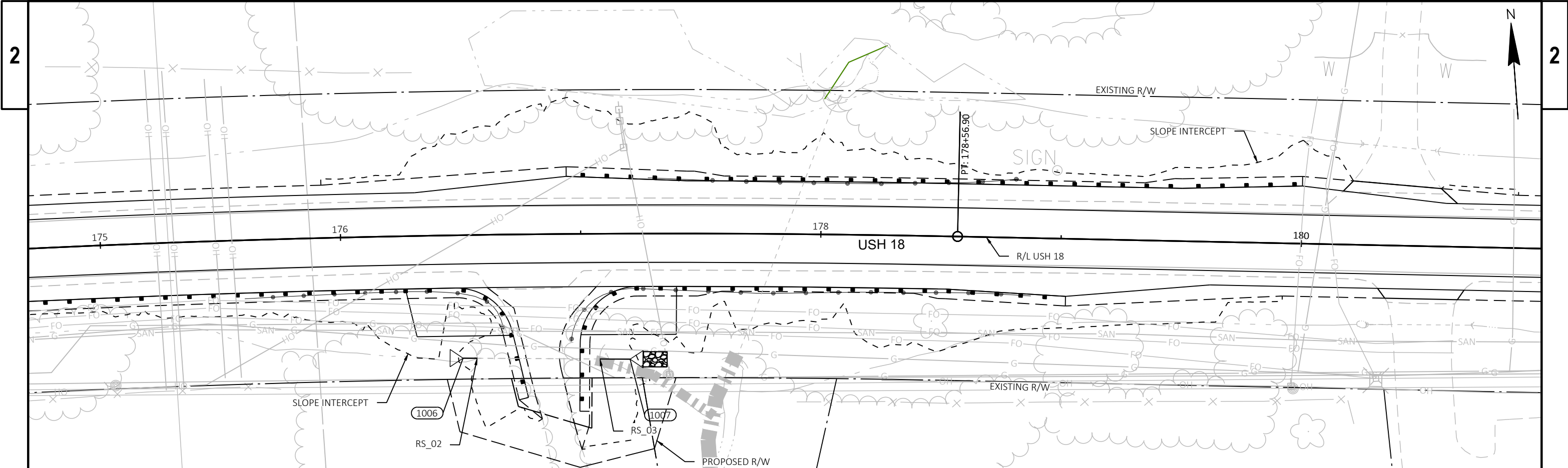
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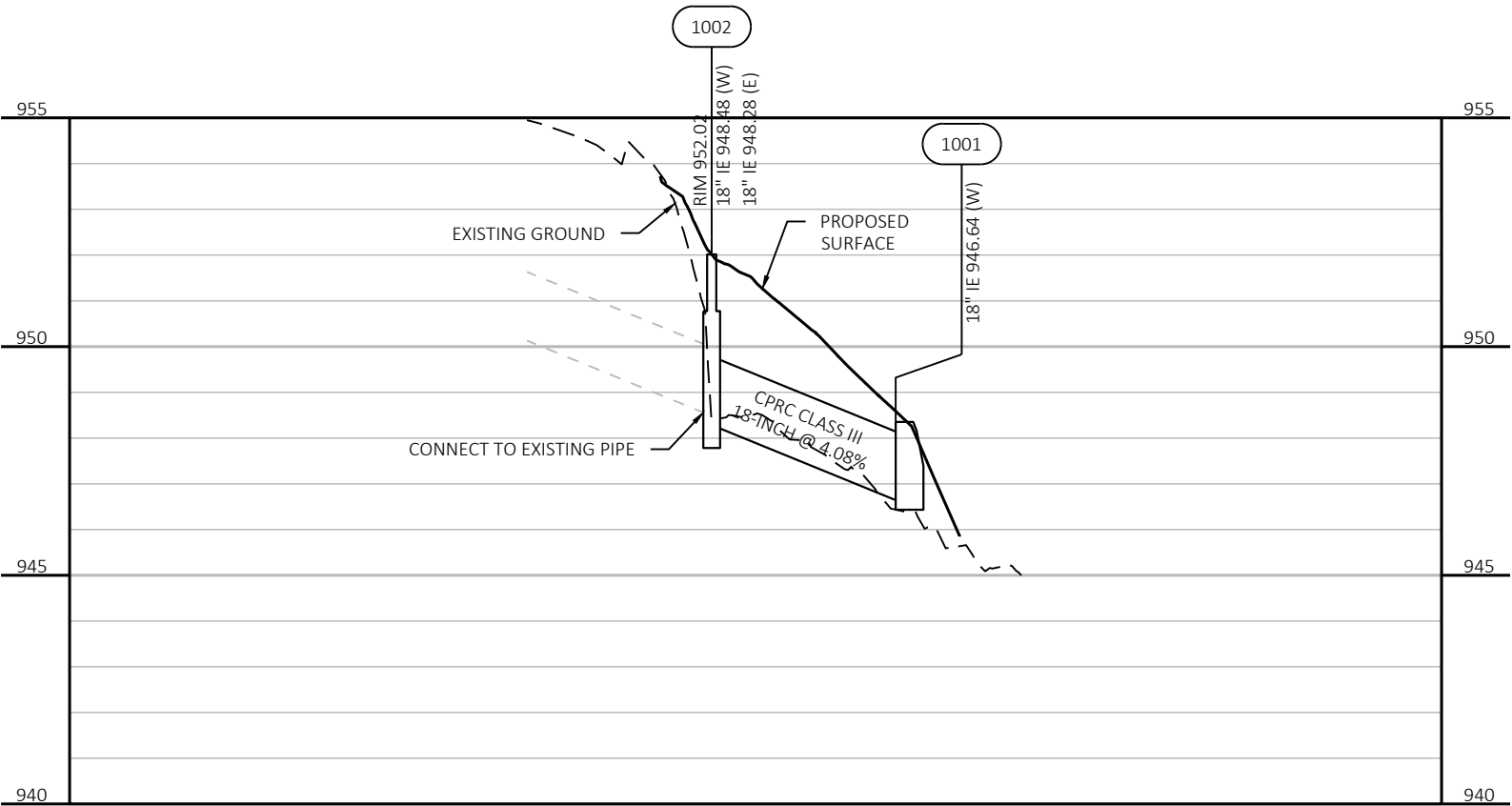
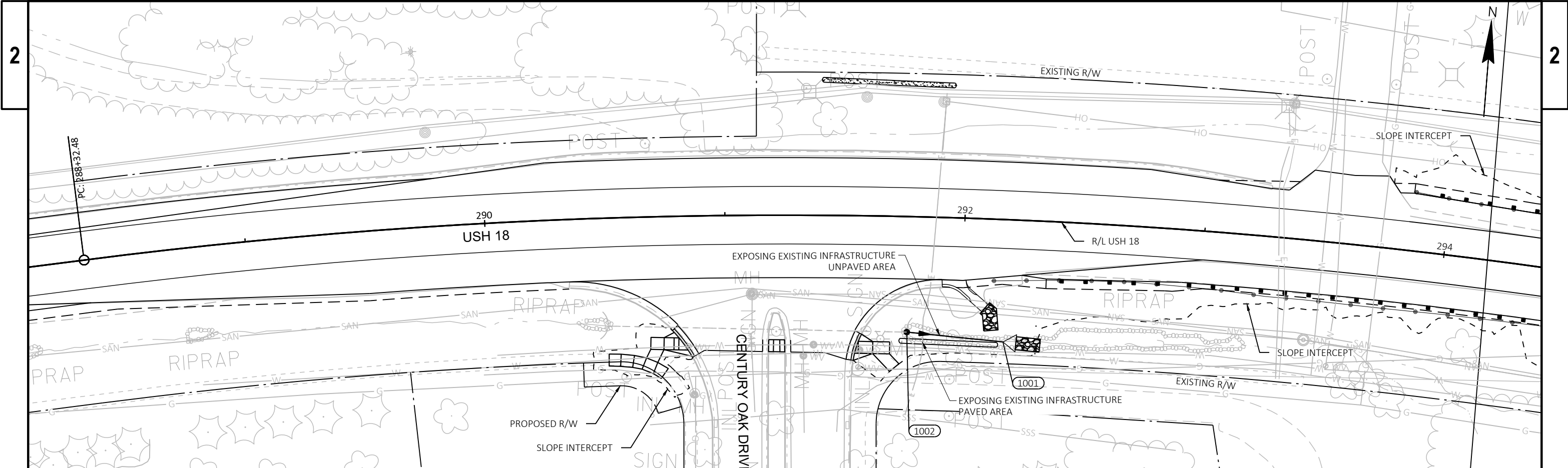


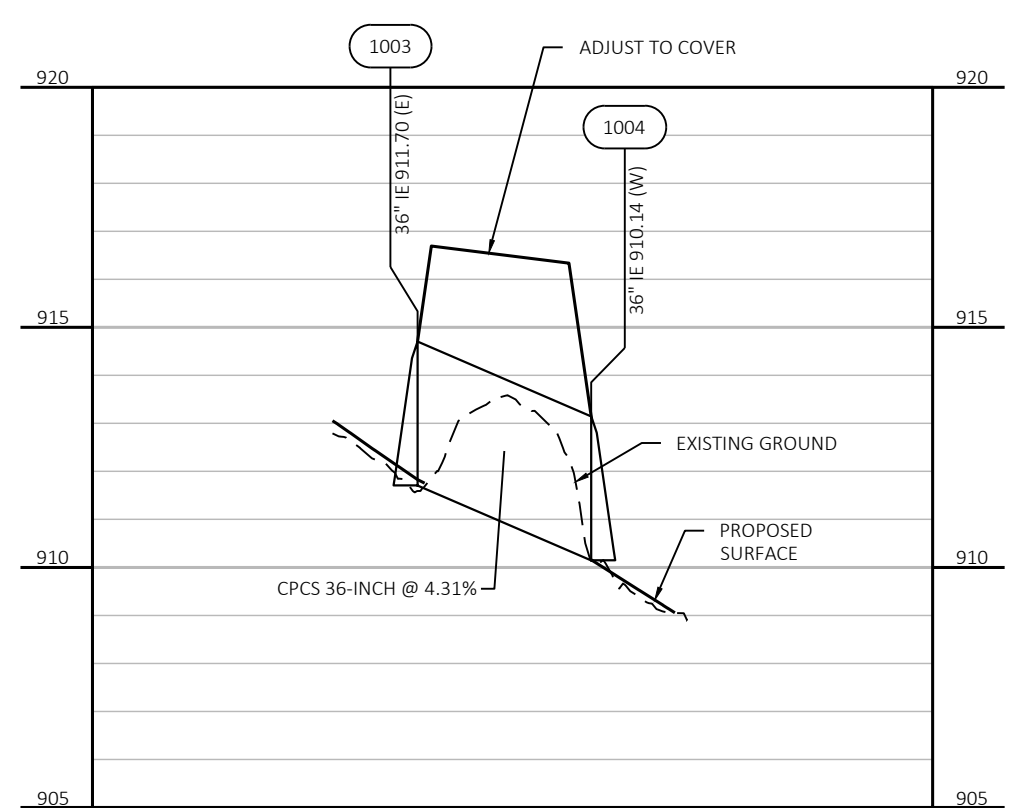
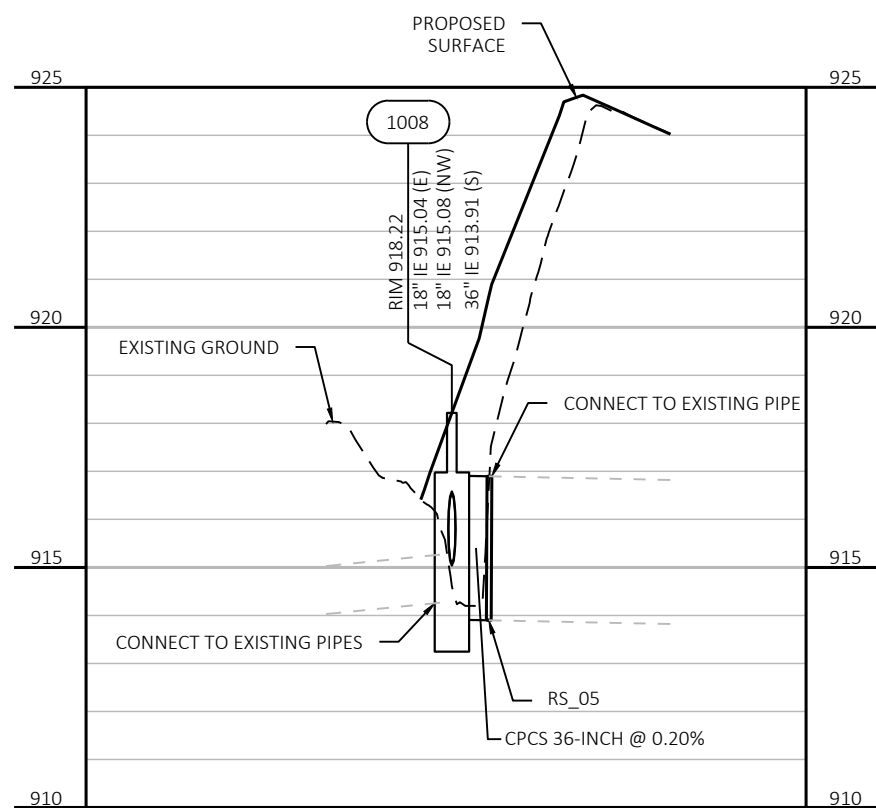
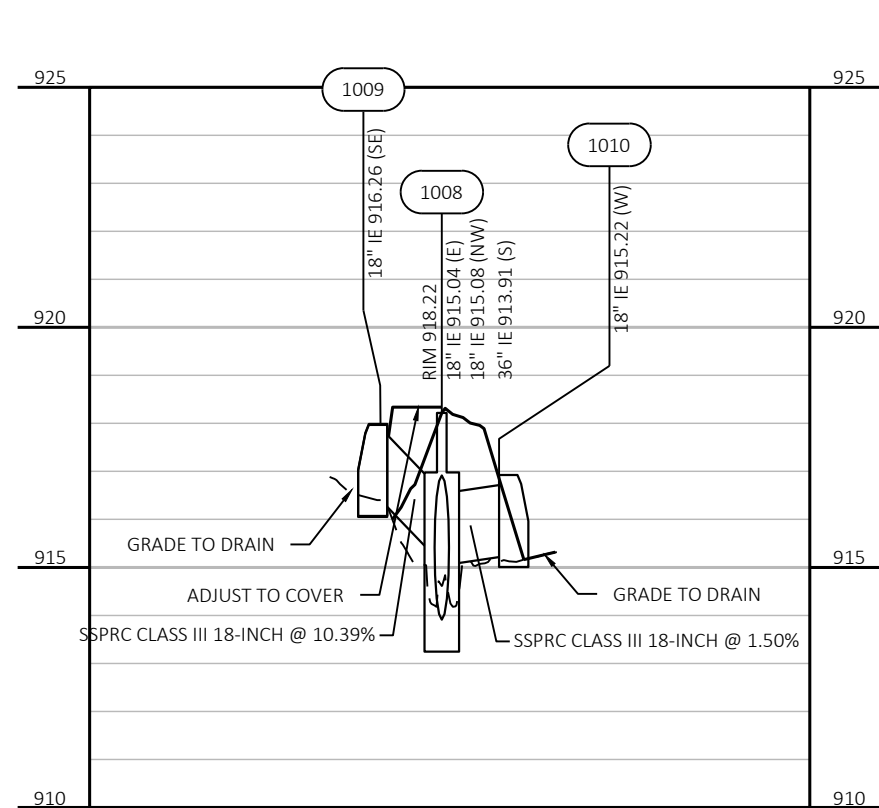
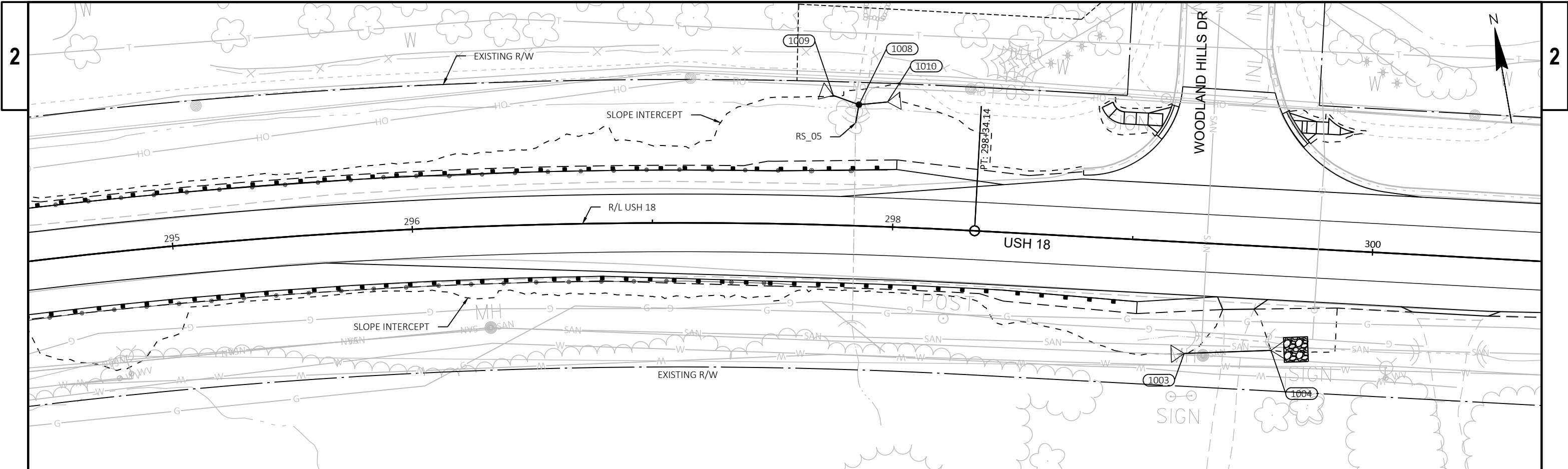


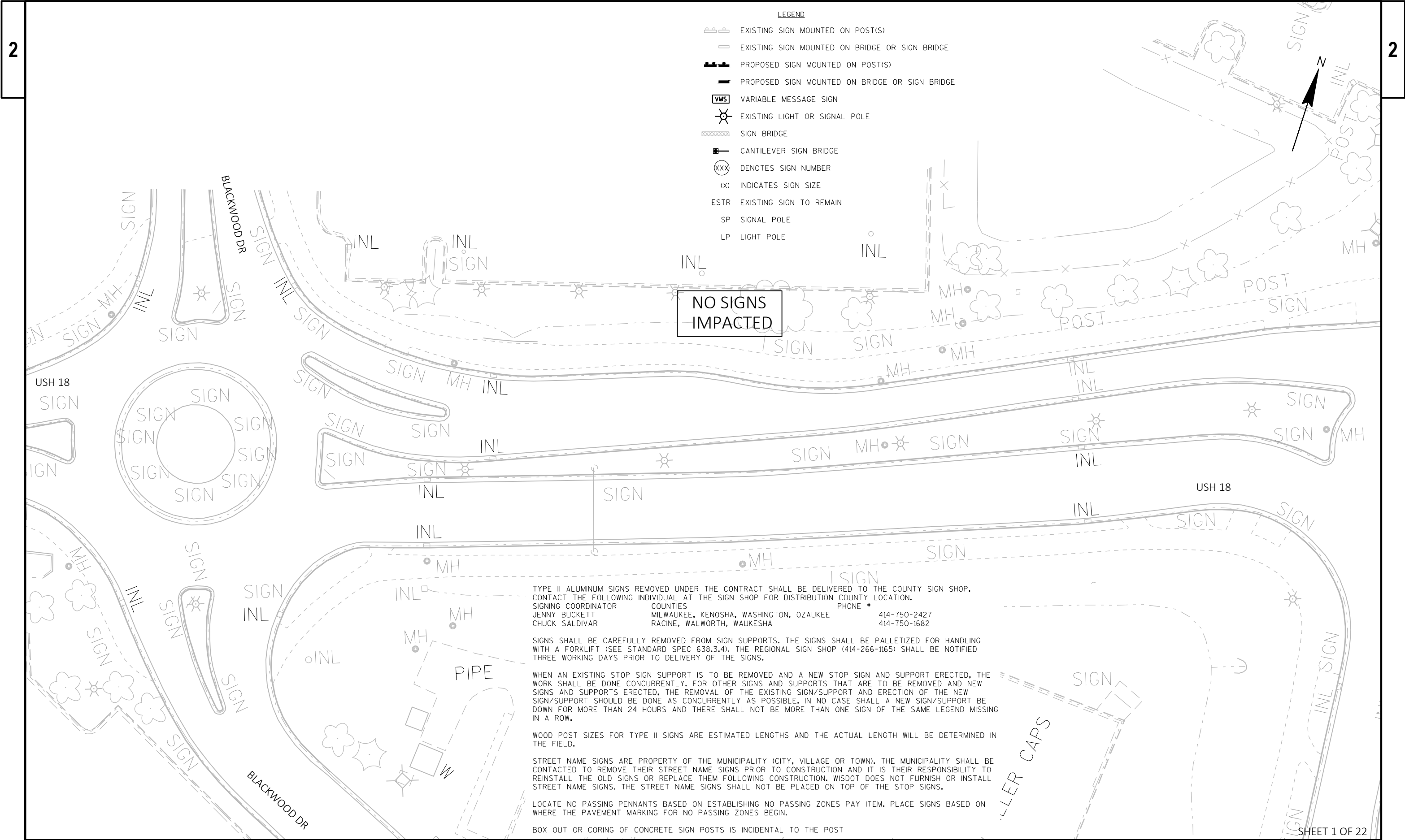


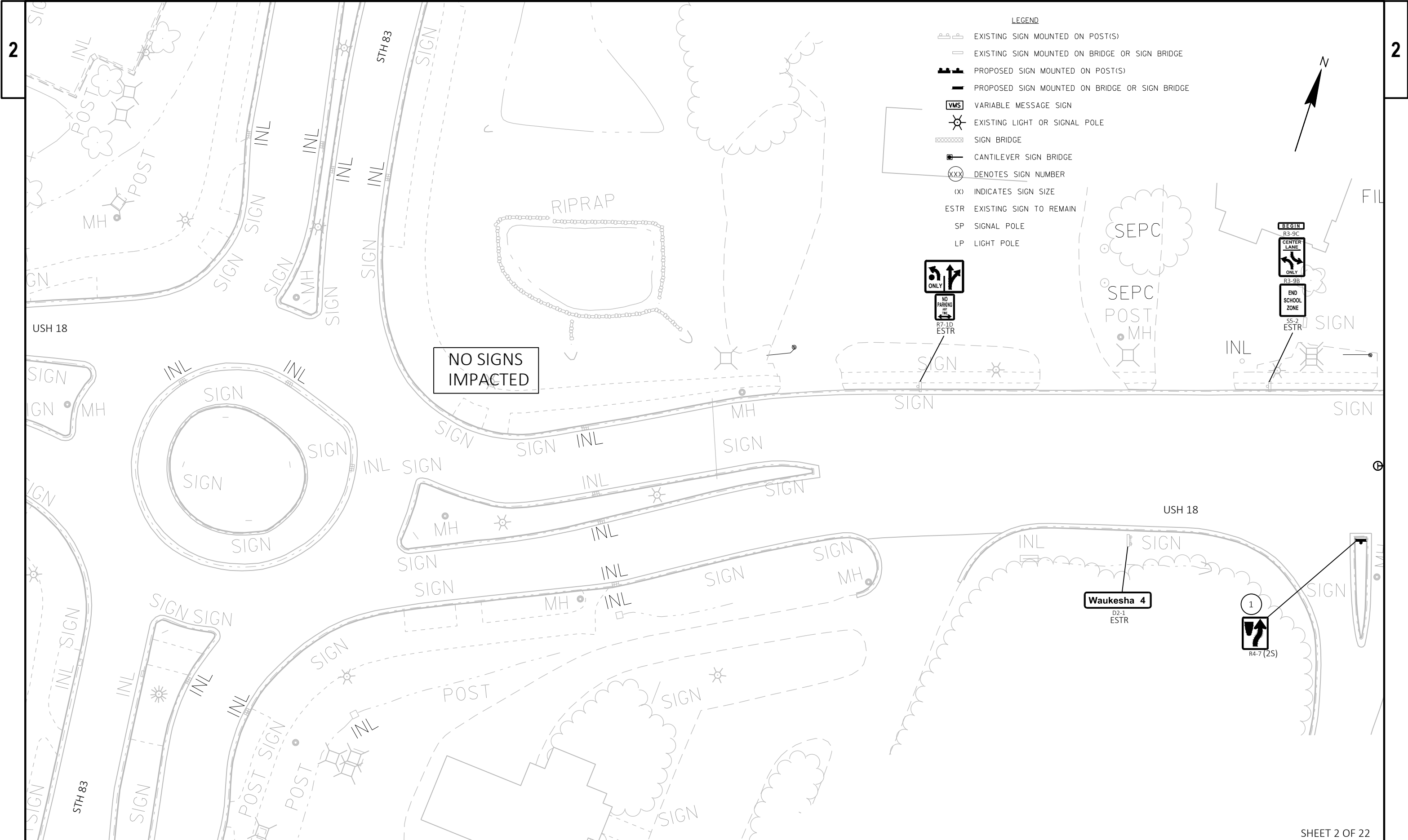
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| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | PLAN AND PROFILE: STORM SEWER | SHEET | E |
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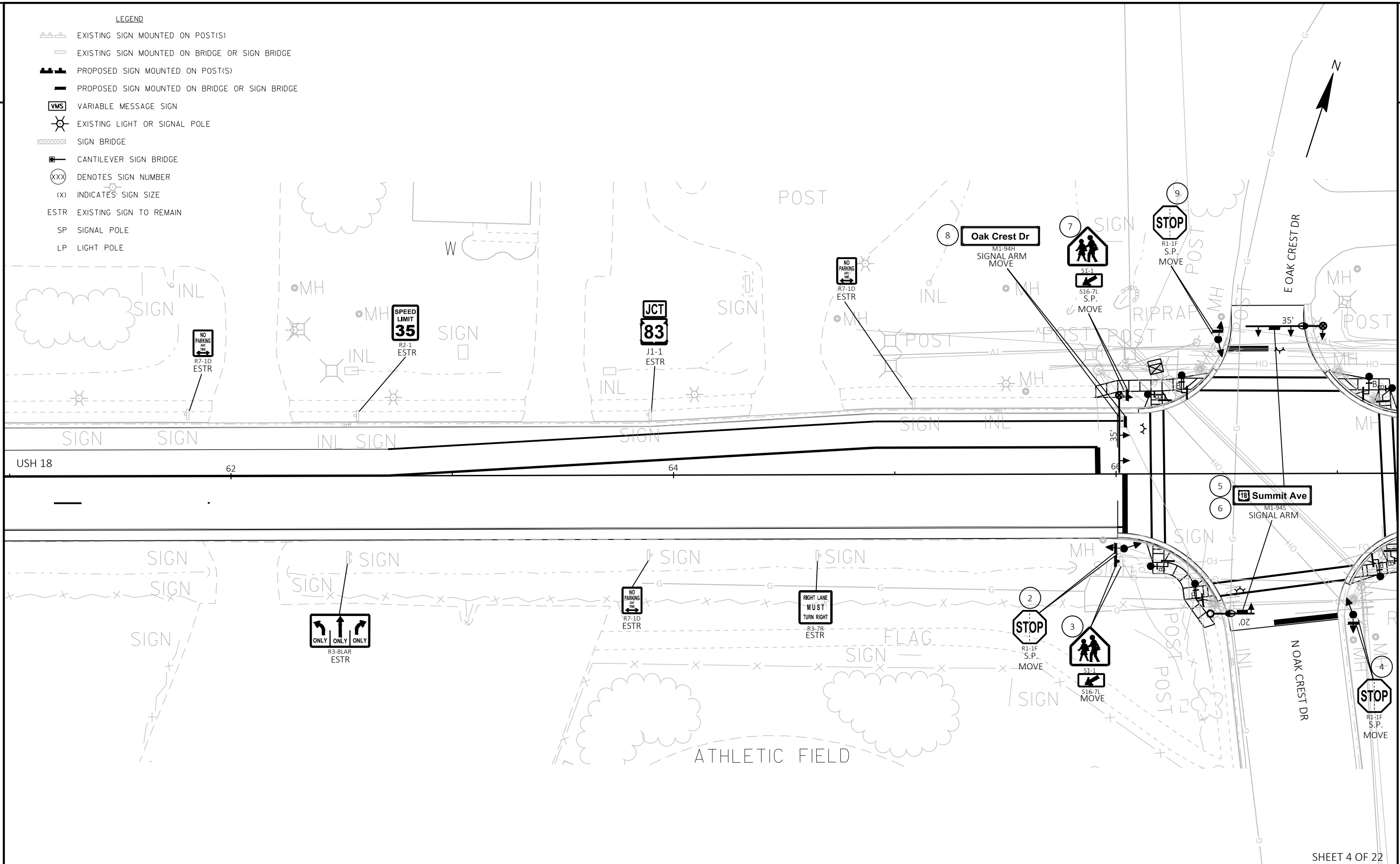
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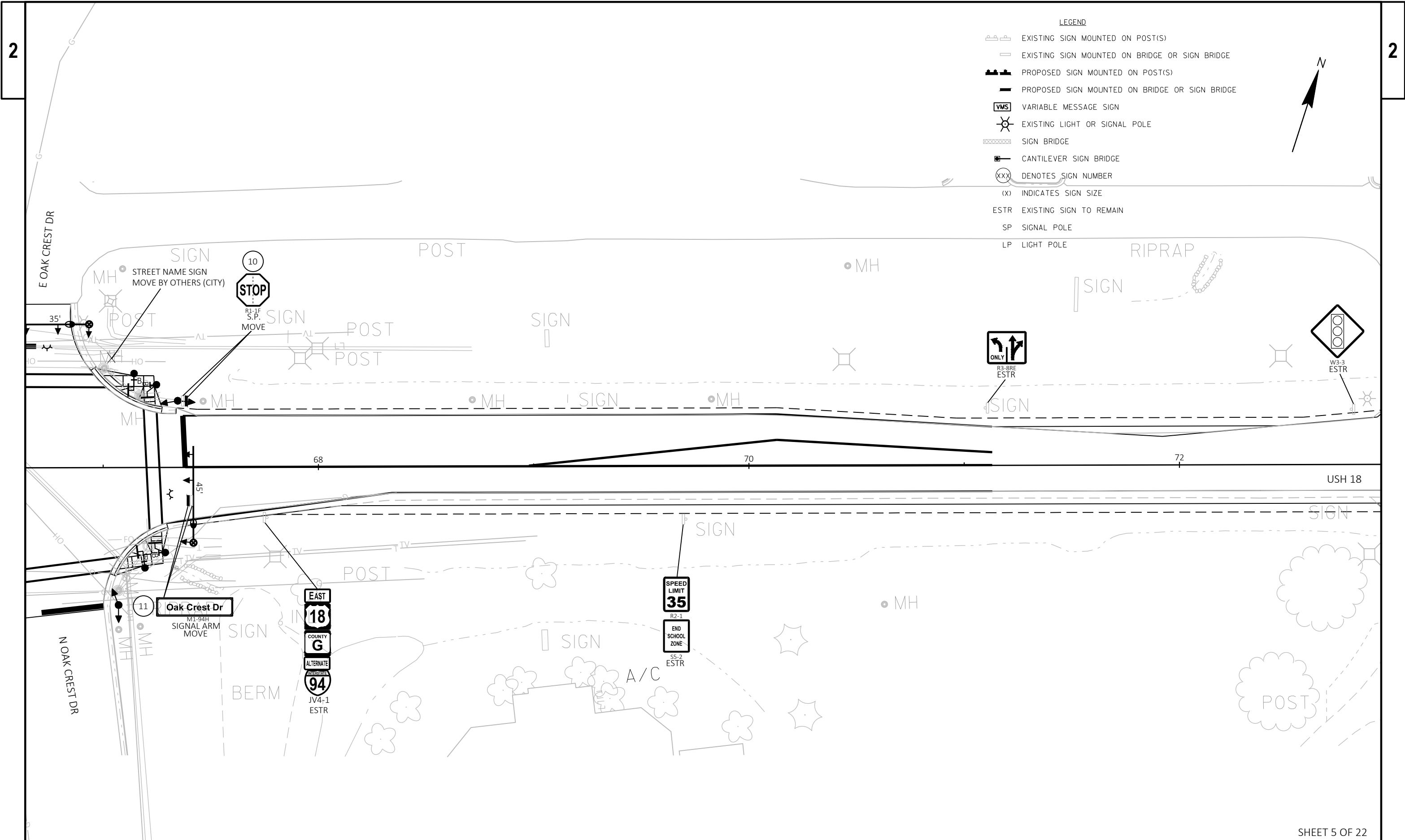


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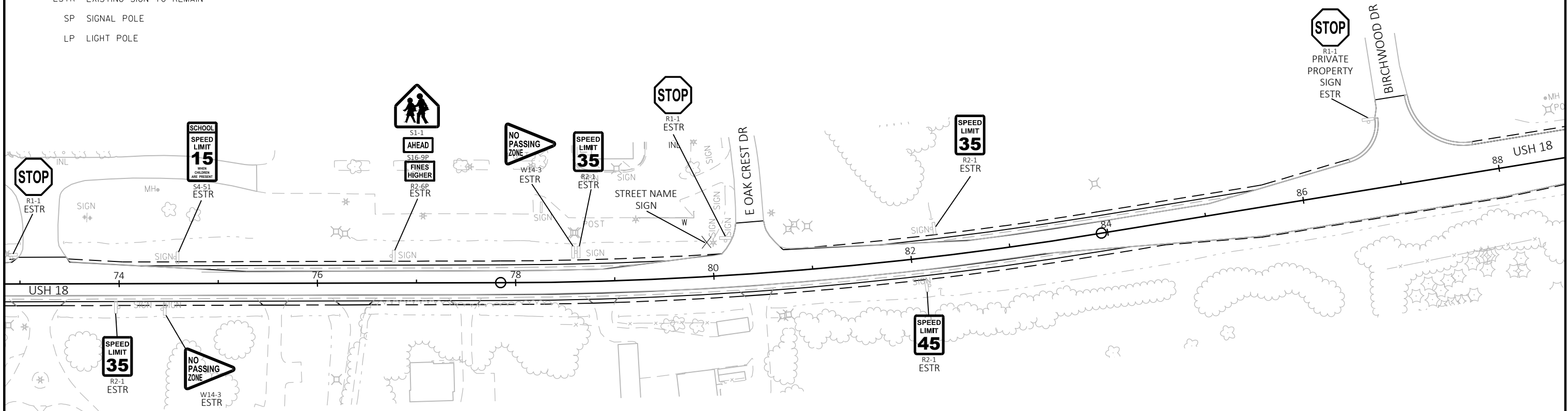






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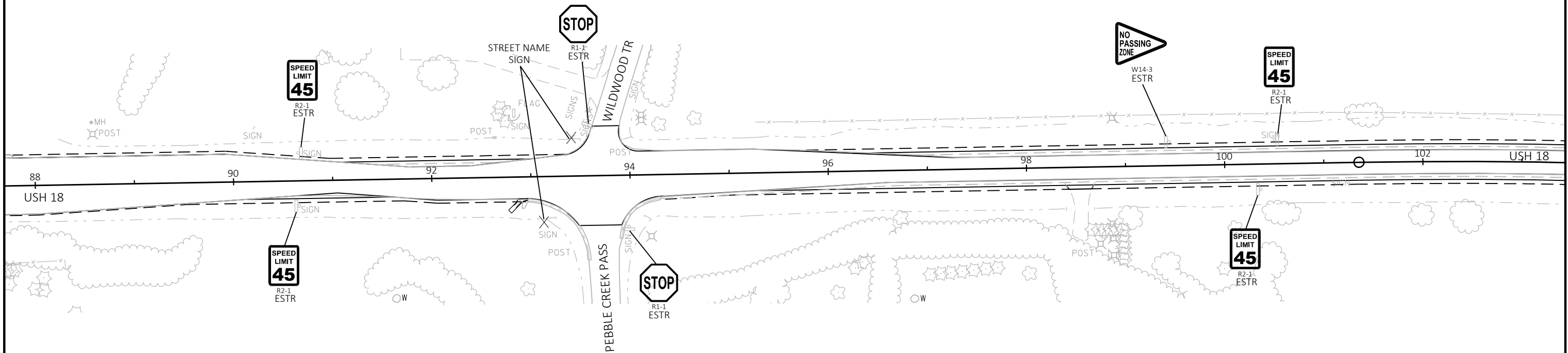
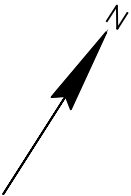
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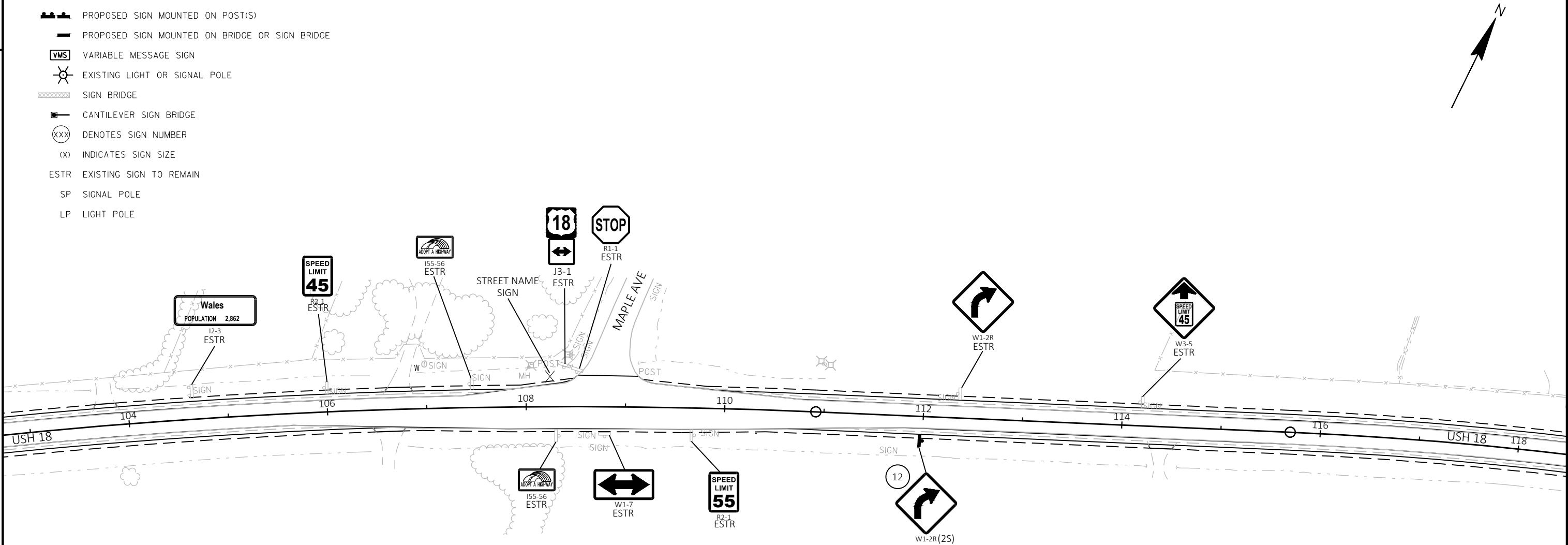
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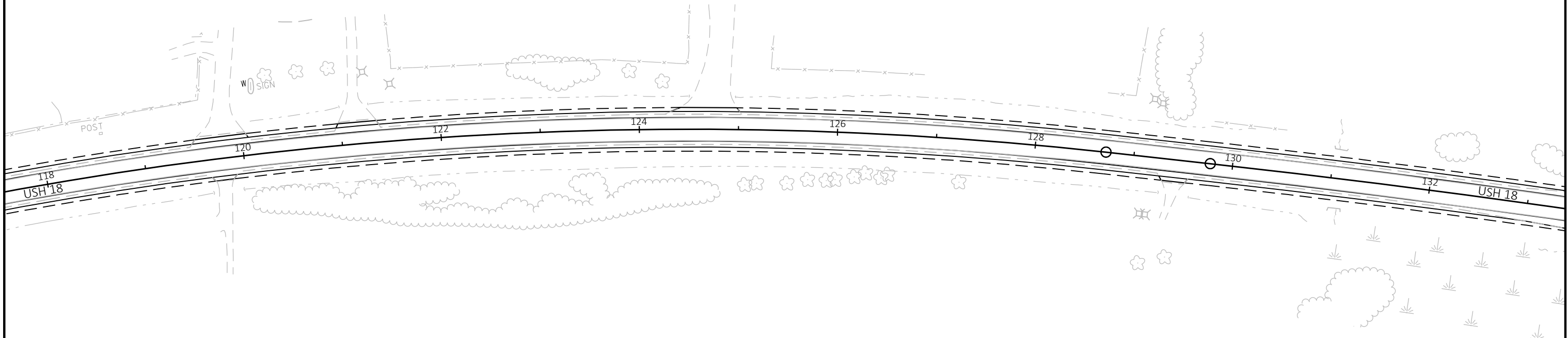
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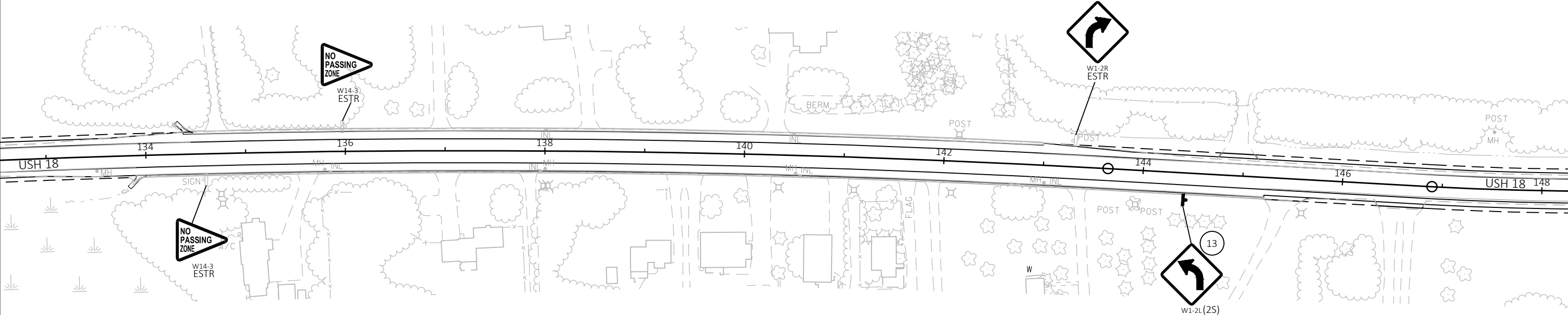


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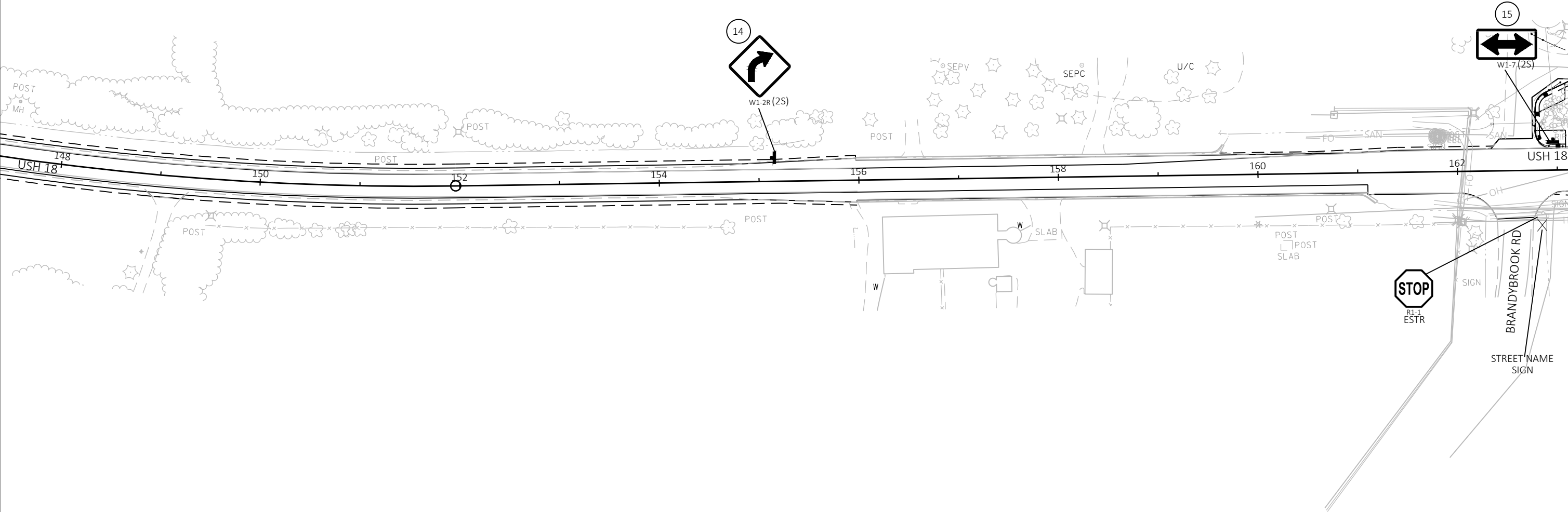
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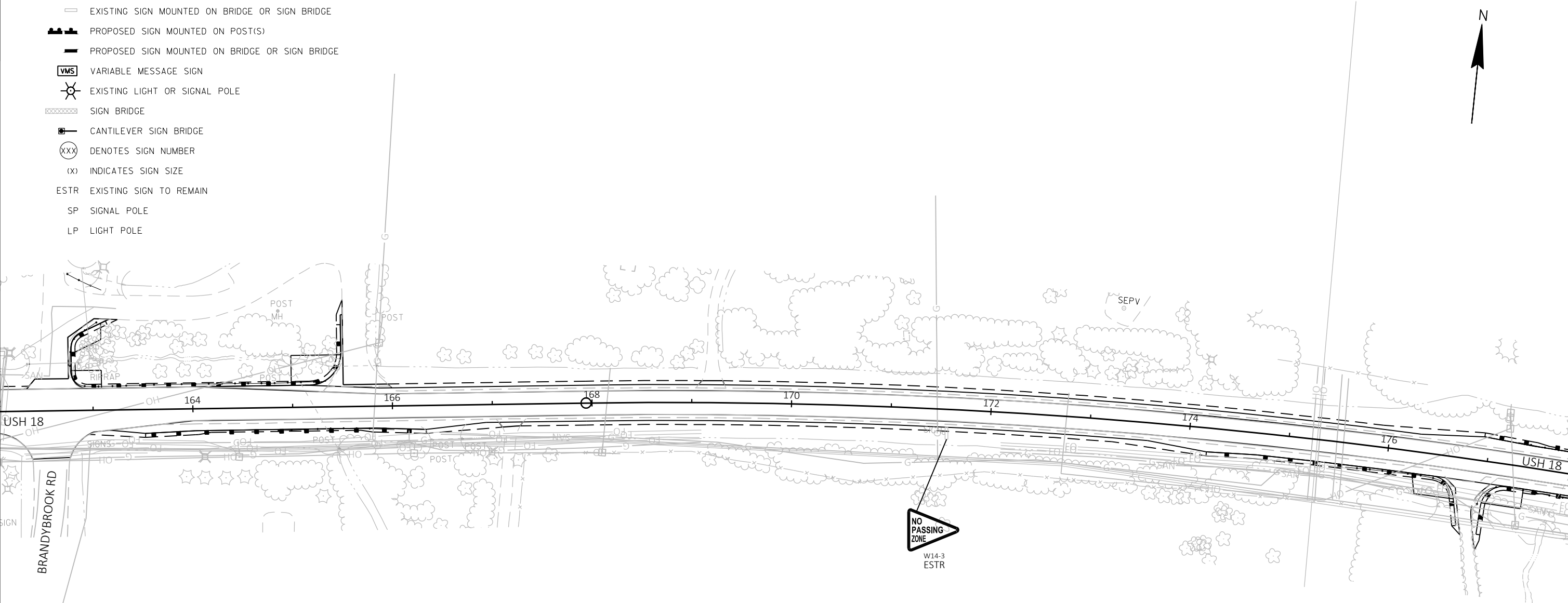
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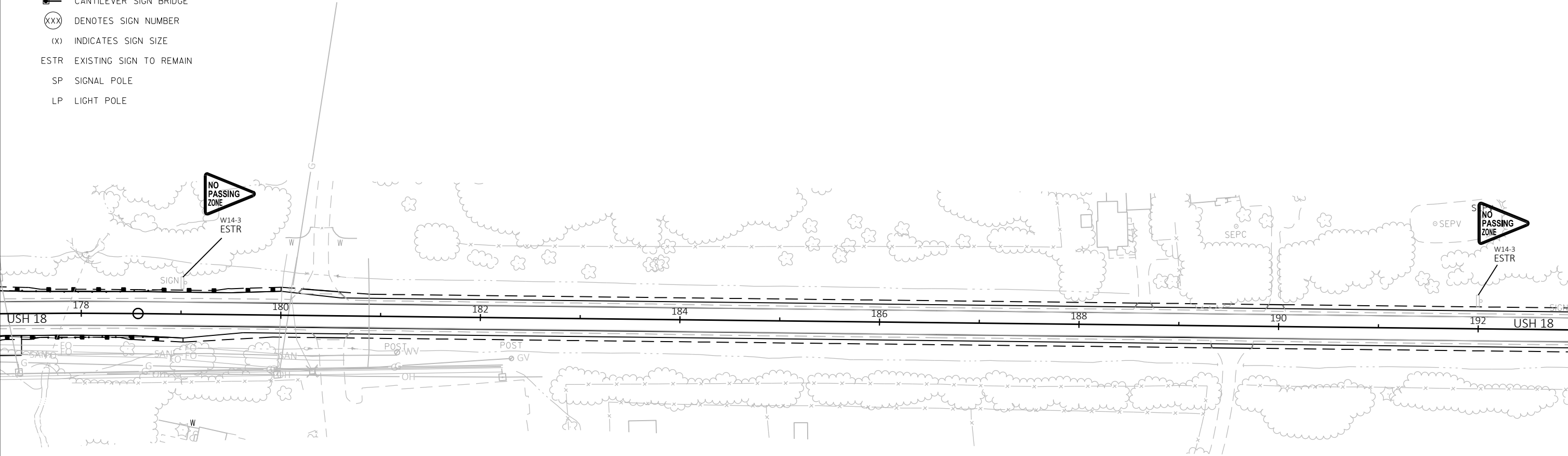
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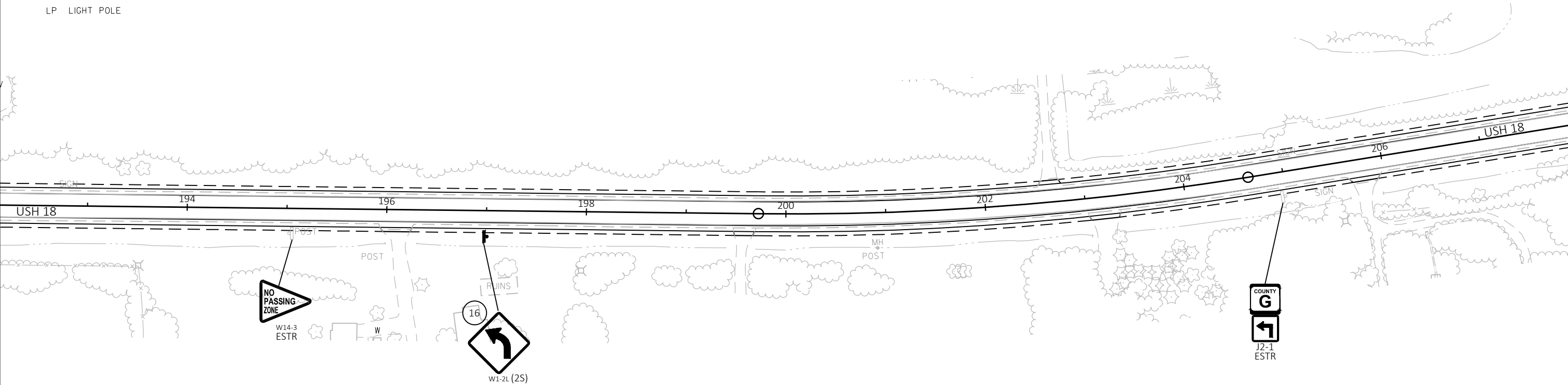
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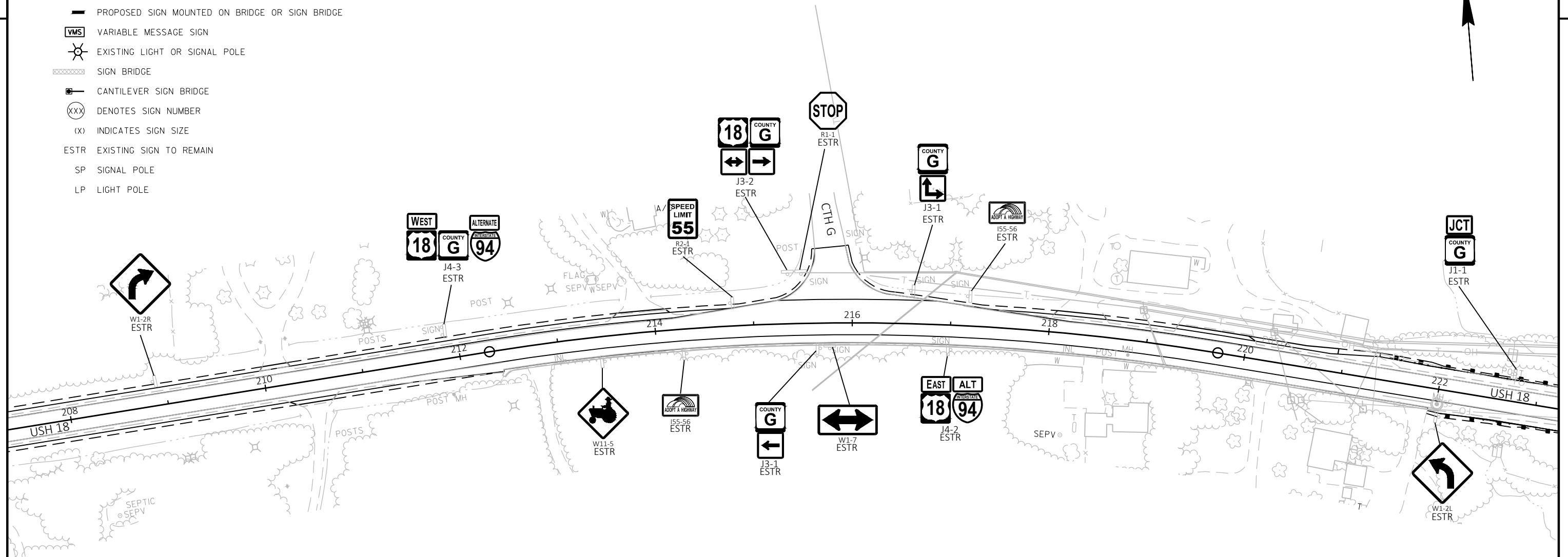
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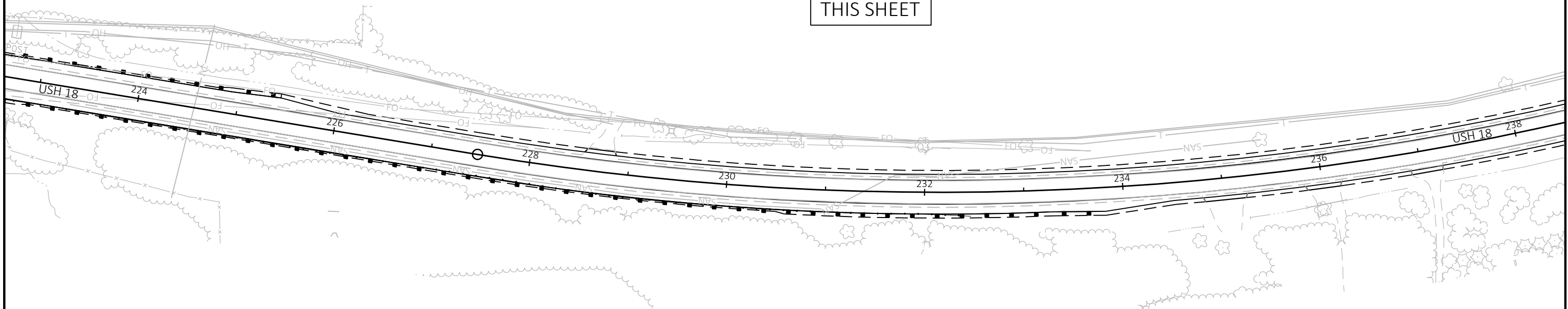


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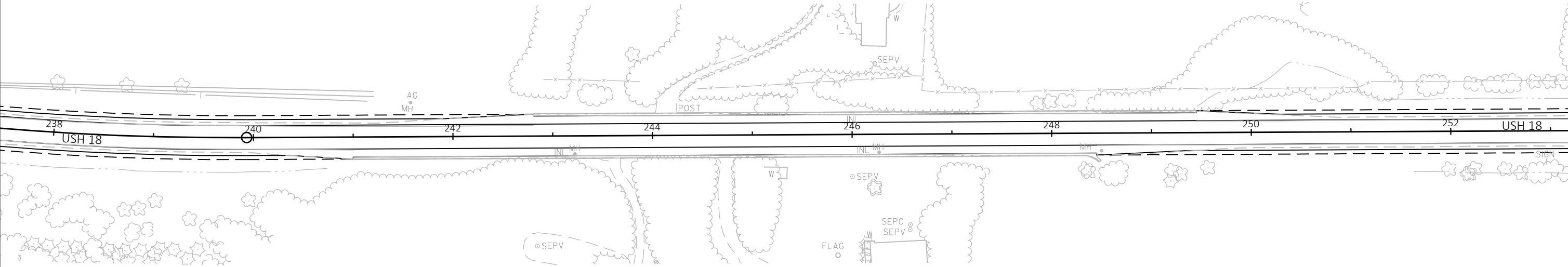
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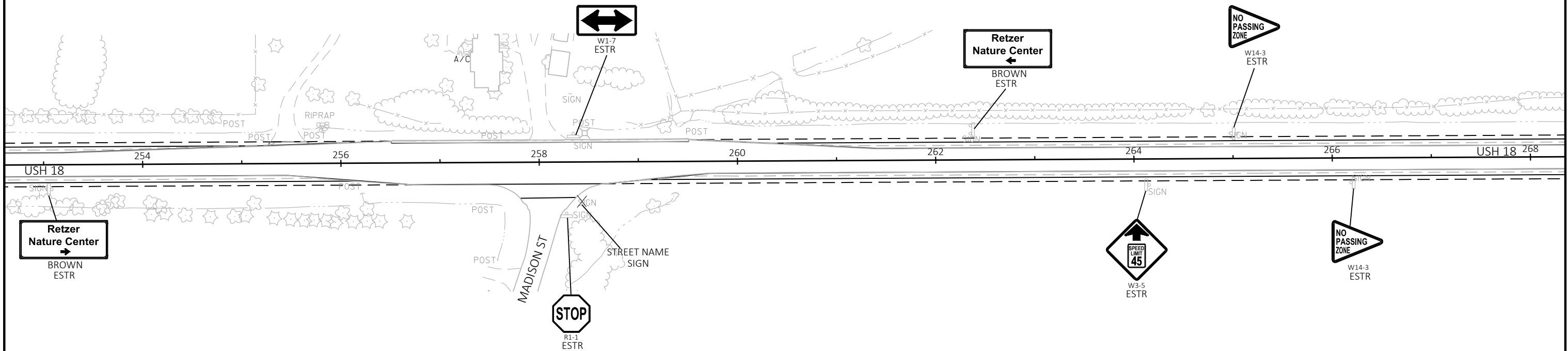
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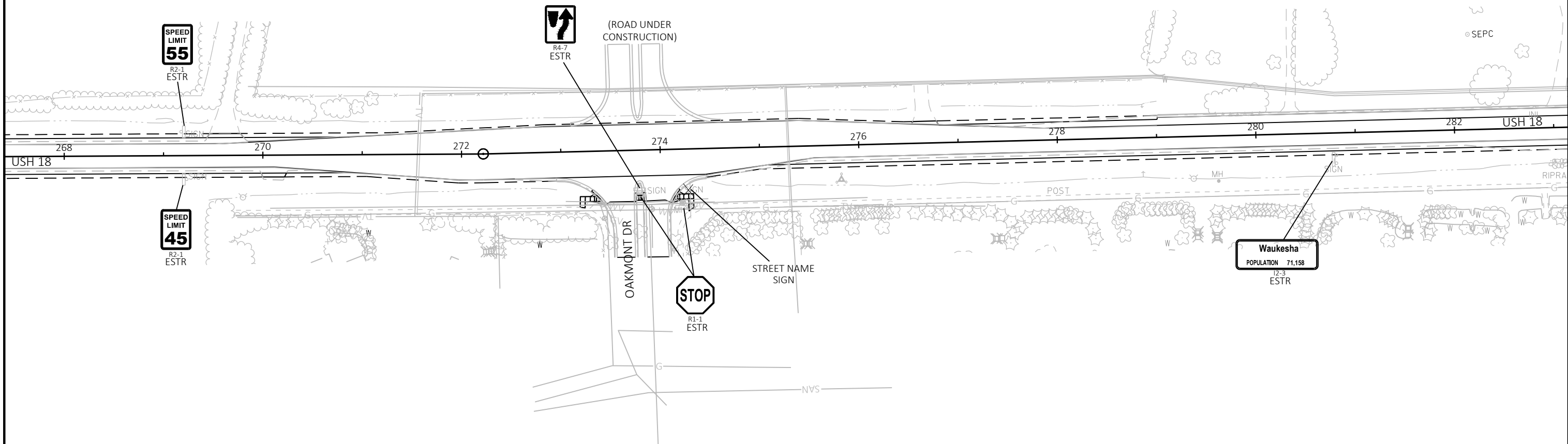
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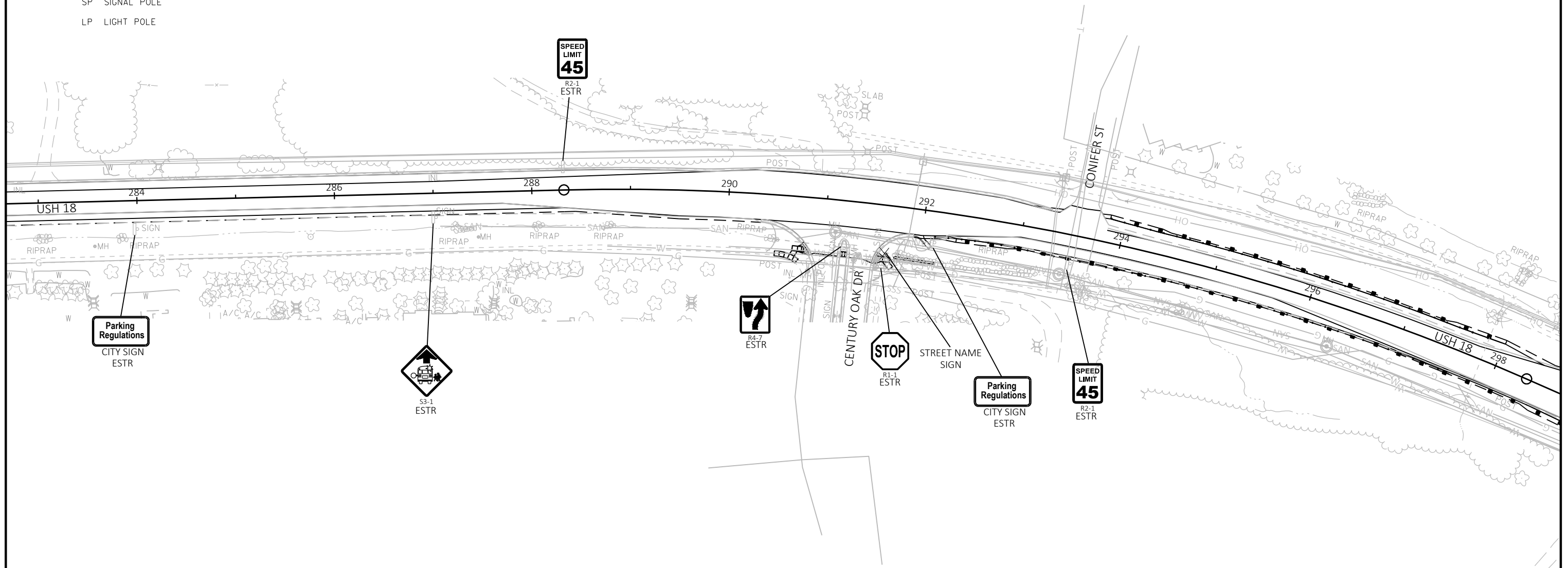
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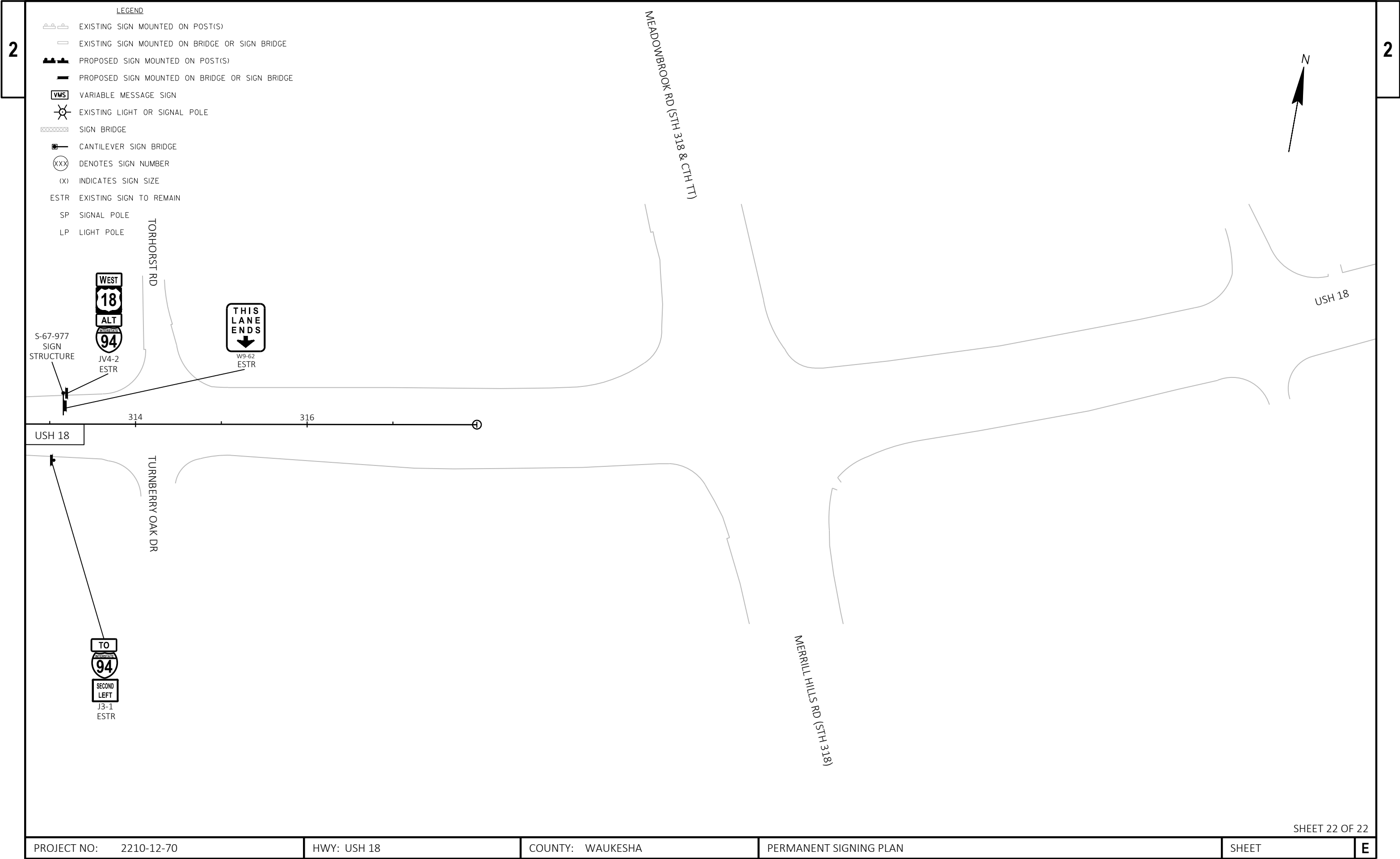
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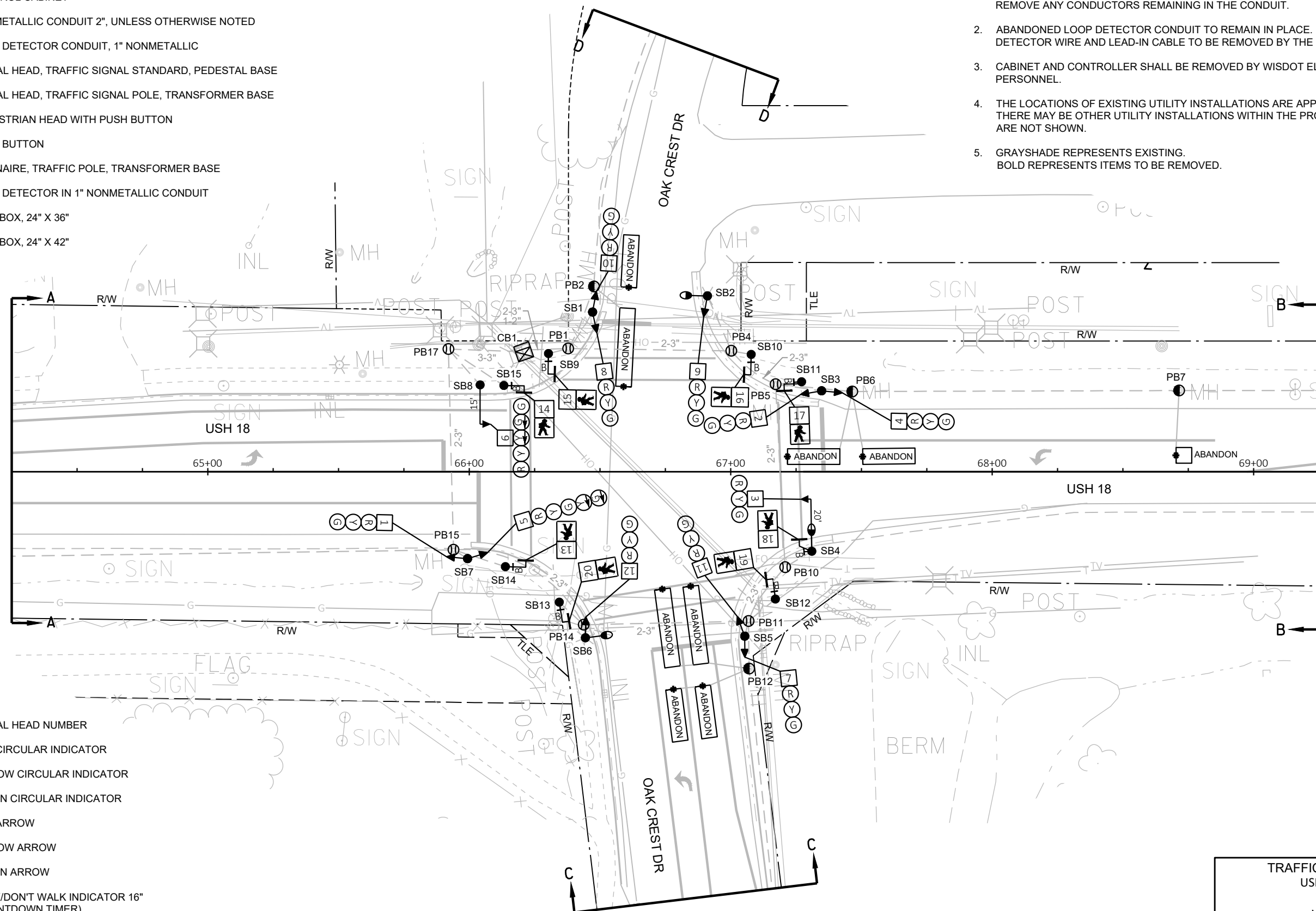
## LEGEND

- ☒ CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- ◀● SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- ◀●(XX') SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- ⊥● PEDESTRIAN HEAD WITH PUSH BUTTON
- ⊥● PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- \* □ \* LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- ⊖ PULL BOX, 24" X 42"

## CONSTRUCTION NOTES:

- EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
- ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
- CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
- THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
- GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.

- XX SIGNAL HEAD NUMBER
- Ⓡ RED CIRCULAR INDICATOR
- Ⓢ YELLOW CIRCULAR INDICATOR
- Ⓤ GREEN CIRCULAR INDICATOR
- Ⓡ RED ARROW
- Ⓢ YELLOW ARROW
- Ⓤ GREEN ARROW
- Ⓢ WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)



TRAFFIC CONTROL SIGNAL  
USH 18 & OAK CREST DR  
VILLAGE OF WALES  
WAUKESHA COUNTY

SIGNAL NO. S67-0923

REGION CONTACT: J. GATES  
DESIGNED BY: C. VANDE LEEST  
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 2210-12-70

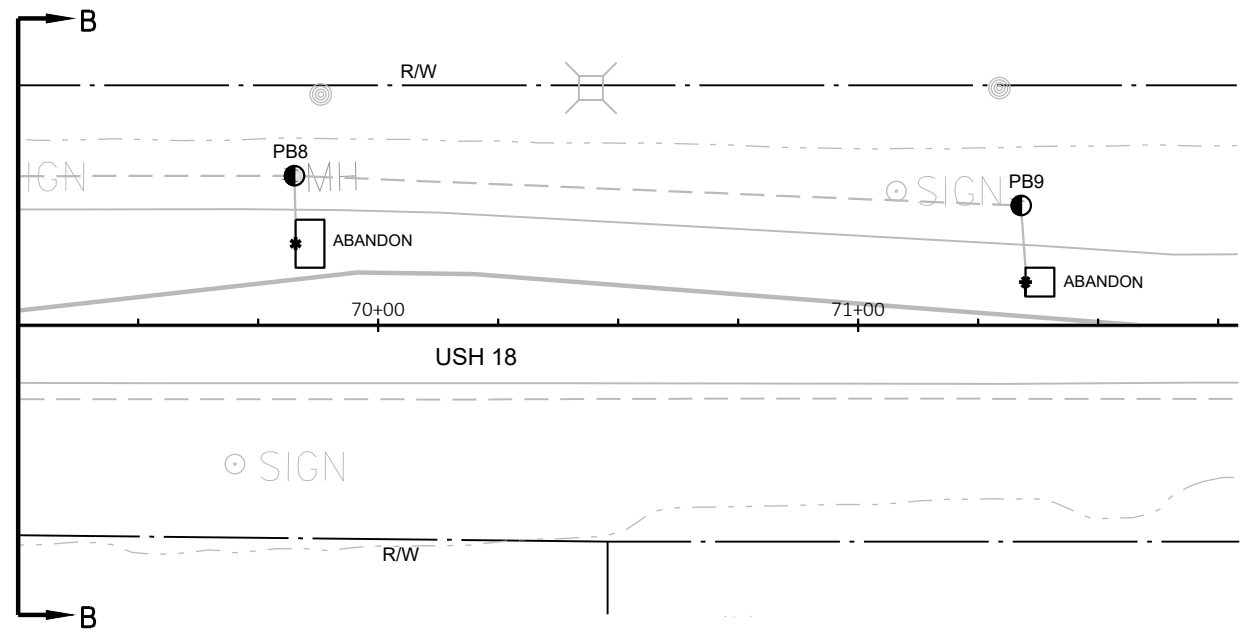
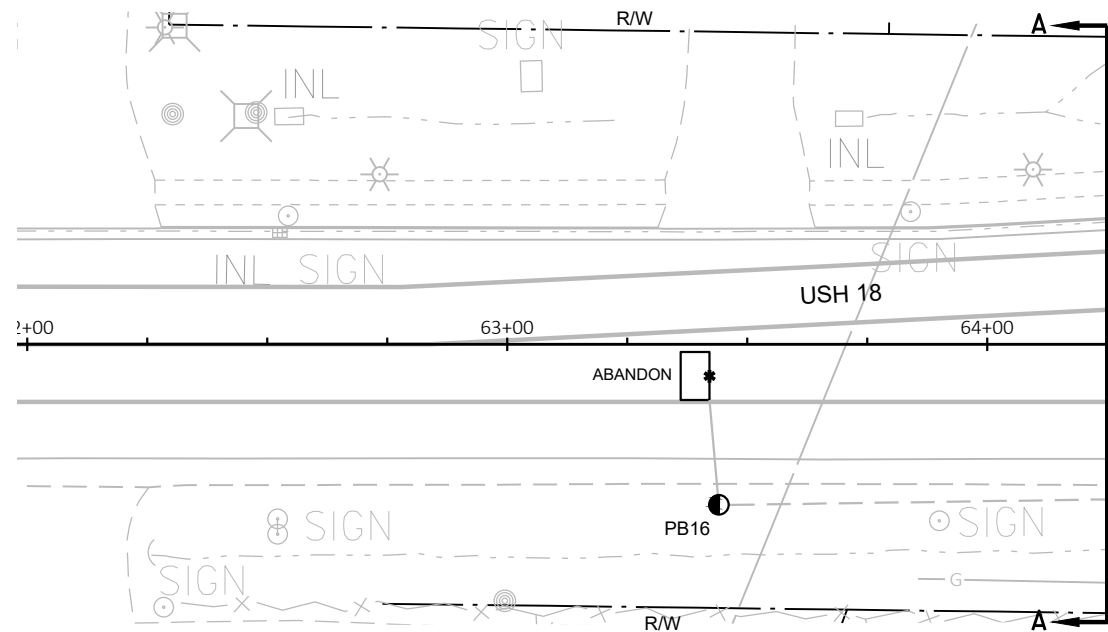
HWY: USH 18

COUNTY: WAUKESHA

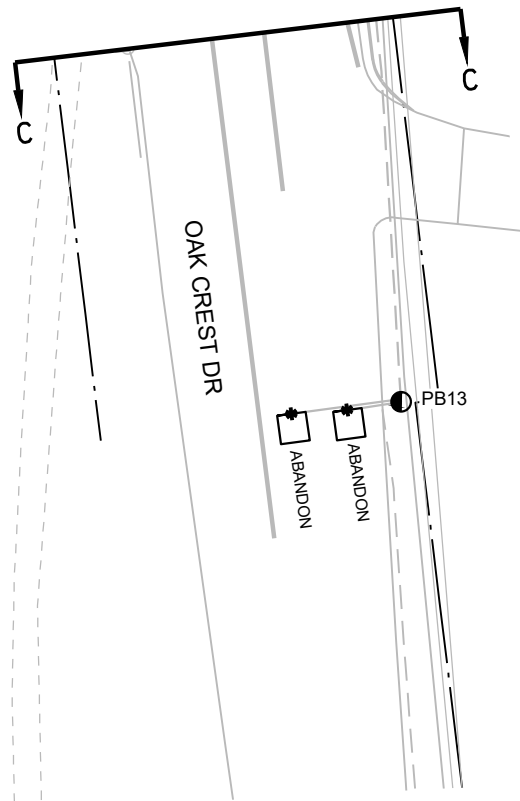
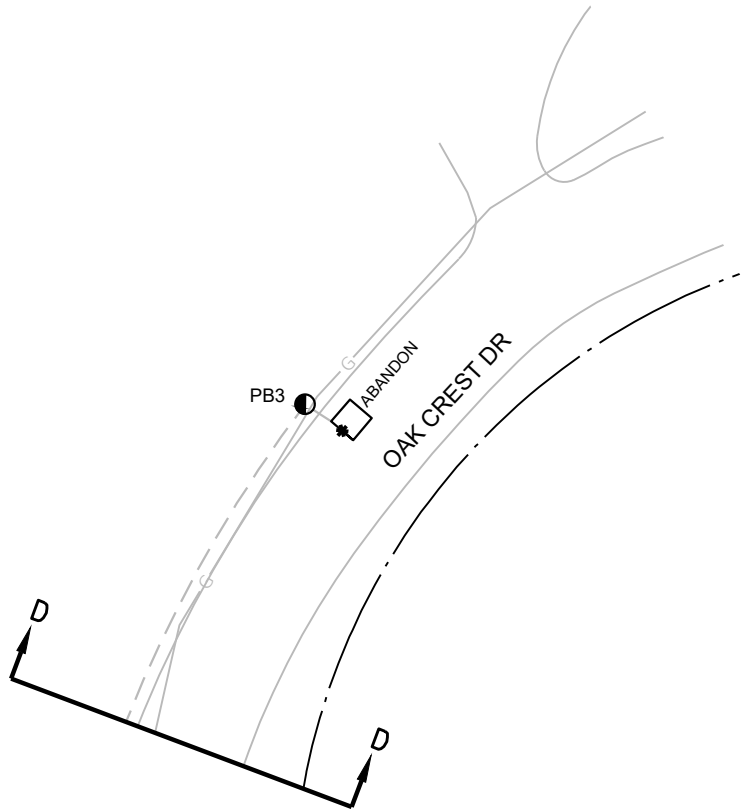
TRAFFIC SIGNAL REMOVAL PLAN

SHEET

E



|                                                                                        |             |
|----------------------------------------------------------------------------------------|-------------|
| TRAFFIC CONTROL SIGNAL<br>USH 18 & OAK CREST DR<br>VILLAGE OF WALES<br>WAUKESHA COUNTY |             |
| SIGNAL NO. <b>S67-0923</b>                                                             |             |
| REGION CONTACT: J. GATES<br>DESIGNED BY: C. VANDE LEEST<br>REVISED BY:                 | PAGE 2 OF 3 |

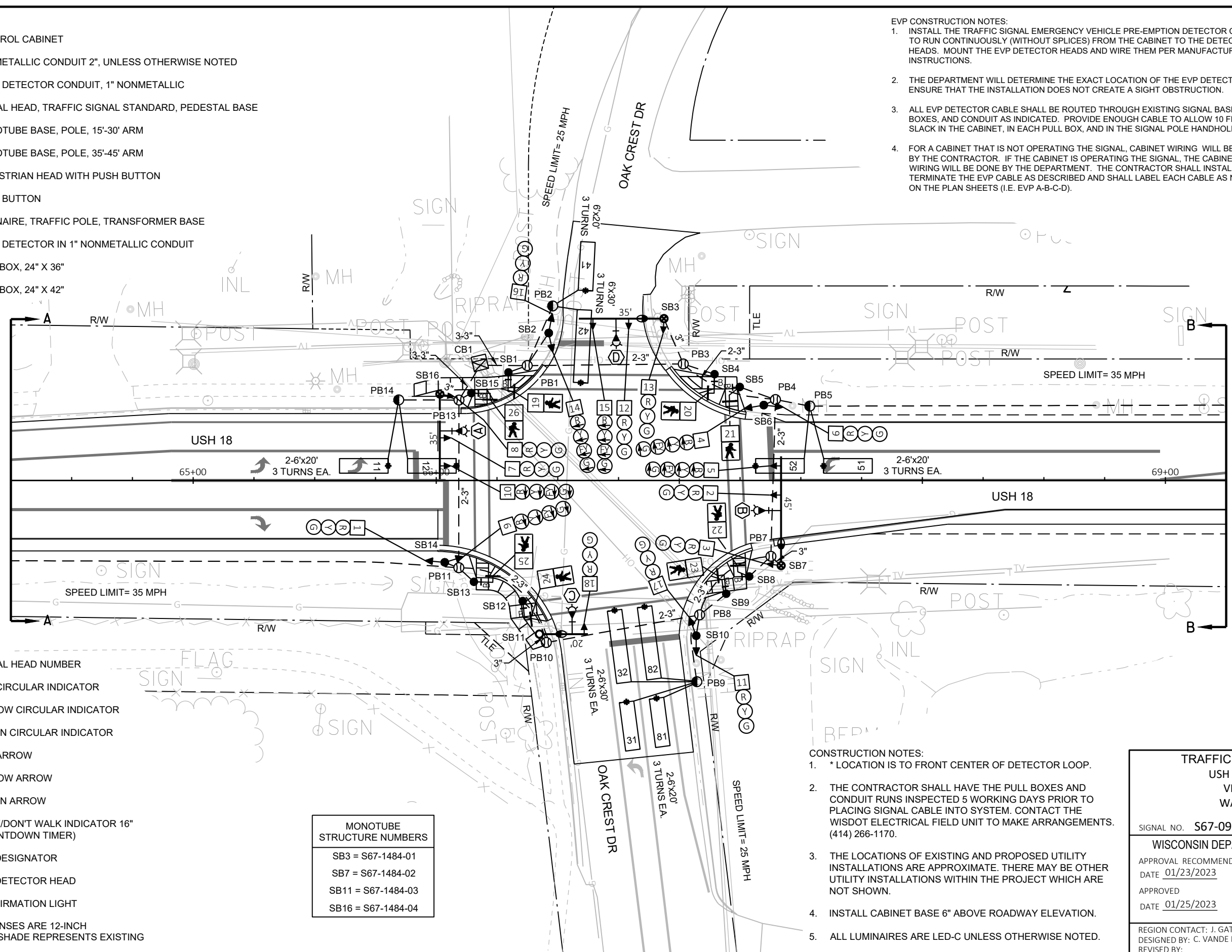


|                                                                                        |             |
|----------------------------------------------------------------------------------------|-------------|
| TRAFFIC CONTROL SIGNAL<br>USH 18 & OAK CREST DR<br>VILLAGE OF WALES<br>WAUKESHA COUNTY |             |
| SIGNAL NO. S67-0923                                                                    |             |
| REGION CONTACT: J. GATES<br>DESIGNED BY: C. VANDE LEEST<br>REVISED BY:                 | PAGE 3 OF 3 |

LEGEND

- ☒ CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- ◀● SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) ○ MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) ⊗ MONOTUBE BASE, POLE, 35'-45' ARM
- ⏏ PEDESTRIAN HEAD WITH PUSH BUTTON
- ⏏ PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- \* □ LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- ⊖ PULL BOX, 24" X 42"

- EVP CONSTRUCTION NOTES:
1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
  2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
  3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
  4. FOR A CABINET THAT IS NOT OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE CONTRACTOR. IF THE CABINET IS OPERATING THE SIGNAL, THE CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).



- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (A) RED ARROW
- (YA) YELLOW ARROW
- (GA) GREEN ARROW
- ⏏ WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- (X) EVP DESIGNATOR
- ⏏ EVP DETECTOR HEAD
- ☆ CONFIRMATION LIGHT

NOTE: ALL LENSES ARE 12-INCH  
GRAYSHADE REPRESENTS EXISTING

| MONOTUBE<br>STRUCTURE NUMBERS |             |
|-------------------------------|-------------|
| SB3 =                         | S67-1484-01 |
| SB7 =                         | S67-1484-02 |
| SB11 =                        | S67-1484-03 |
| SB16 =                        | S67-1484-04 |

- CONSTRUCTION NOTES:
1. \* LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
  2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
  3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
  4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
  5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.

TRAFFIC CONTROL SIGNAL  
USH 18 & OAK CREST DR  
VILLAGE OF WALES  
WAUKESHA COUNTY

SIGNAL NO. S67-0923  
CABINET TYPE: TS2-S  
CONTROLLER TYPE: ECONOLITE

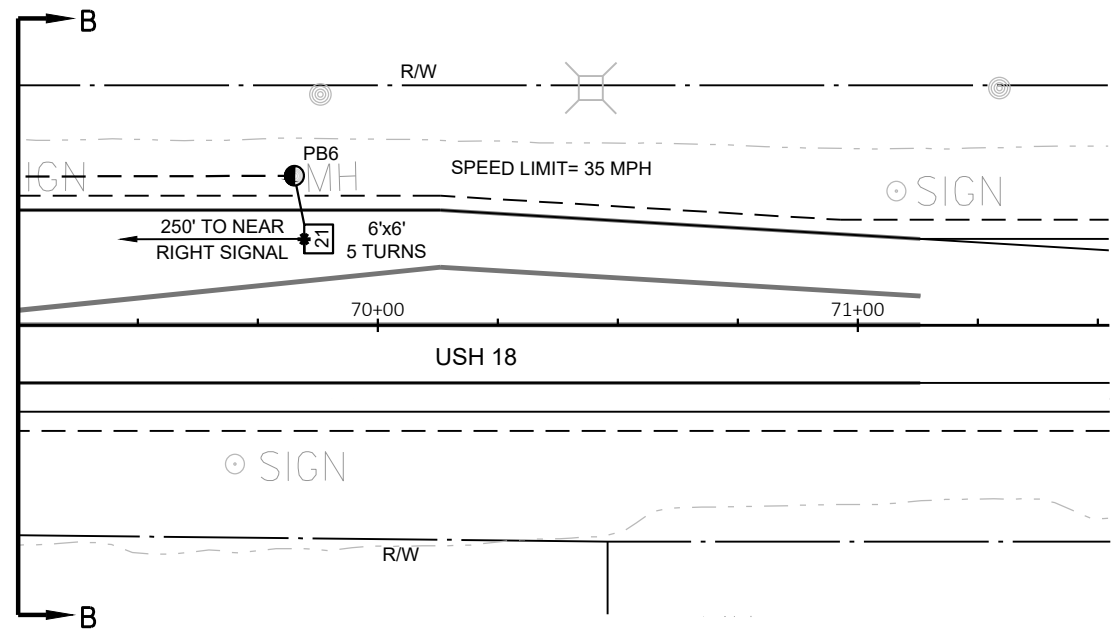
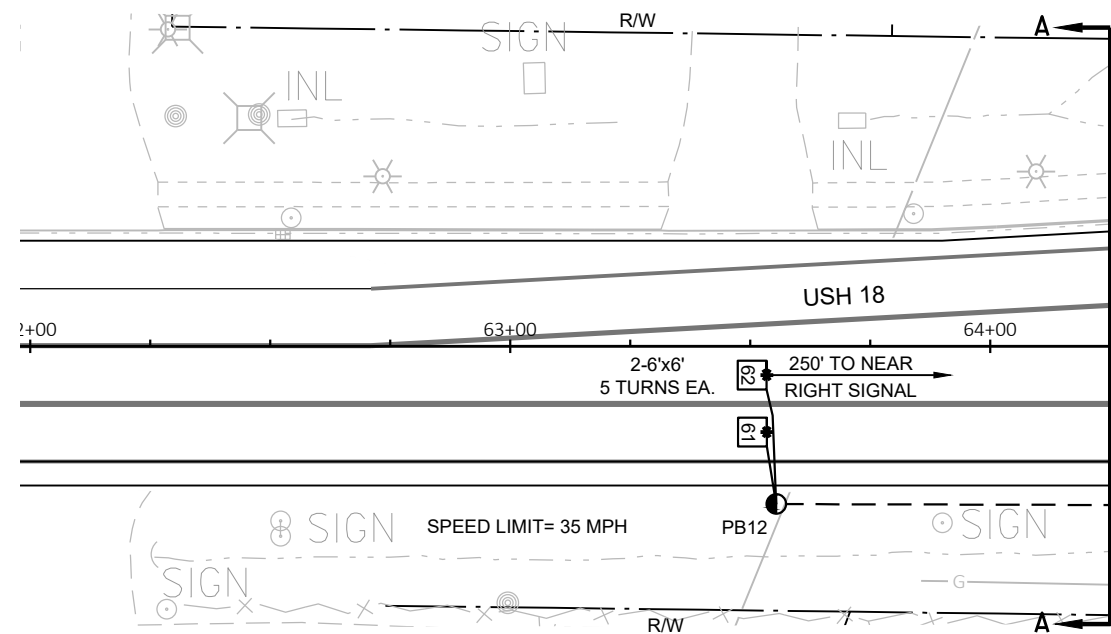
WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED  
DATE 01/23/2023  
APPROVED  
DATE 01/25/2023

REGION CONTACT: J. GATES  
DESIGNED BY: C. VANDE LEEST  
REVISED BY:

REGION TRAFFIC ENGINEER  
STATE TRAFFIC ENGINEER

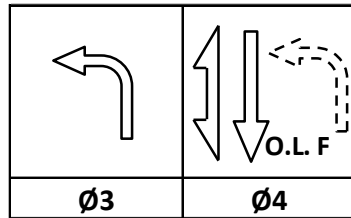
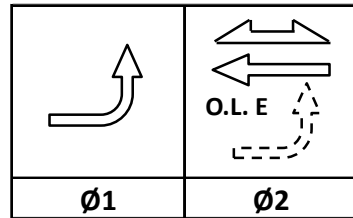
PAGE 1 OF 3



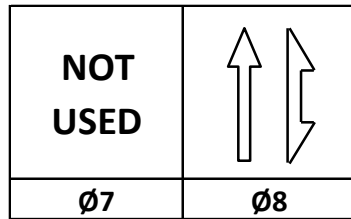
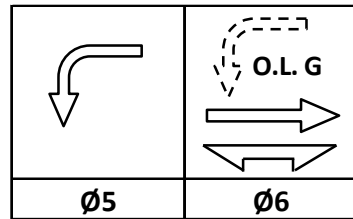
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|----------------------------------------------------------------------------------------|-------------|
| TRAFFIC CONTROL SIGNAL<br>USH 18 & OAK CREST DR<br>VILLAGE OF WALES<br>WAUKESHA COUNTY |             |
| SIGNAL NO. S67-0923                                                                    |             |
| REGION CONTACT: J. GATES<br>DESIGNED BY: C. VANDE LEEST<br>REVISED BY:                 | PAGE 2 OF 3 |

|     | HEAD NUMBERS | FLASH |
|-----|--------------|-------|
| Ø1  | 4,5          | R     |
| Ø2  | 6,7,8        | R     |
| Ø3  | 14,15        | R     |
| Ø4  | 16,17,18     | R     |
| Ø5  | 9,10         | R     |
| Ø6  | 1,2,3        | R     |
| Ø7  |              |       |
| Ø8  | 11,12,13     |       |
| Ø2P | 19,20        |       |
| Ø4P | 25,26        |       |
| Ø6P | 23,24        |       |
| Ø8P | 21,22        |       |
| OLE | 4,5          | -     |
| OLF | 14,15        | -     |
| OLG | 9,10         | -     |
| OLH |              |       |

RING 1



RING 2



BARRIER

N

## CONTROLLER LOGIC

| PHASE NUMBER | PHASE LOCKING | DUAL ENTRY W / Ø | PHASE RECALL | PHASE ACTIVE |
|--------------|---------------|------------------|--------------|--------------|
| 1            |               | 6                |              | X            |
| 2            | X             | 6                | MIN          | X            |
| 3            |               | 8                |              | X            |
| 4            |               | 8                |              | X            |
| 5            |               | 2                |              | X            |
| 6            | X             | 2                | MIN          | X            |
| 7            |               |                  |              |              |
| 8            |               | 4                |              | X            |

| TYPE OF INTERCONNECT/COMMUNICATION |   |
|------------------------------------|---|
| NONE                               |   |
| CLOSED LOOP                        |   |
| TWISTED PAIR                       |   |
| FIBER OPTIC*                       |   |
| FIBER OPTIC (ETHERNET)             |   |
| RADIO                              |   |
| CELL MODEM                         | X |

| TYPE OF COORDINATION |     |
|----------------------|-----|
| NONE                 | X   |
| TBC                  |     |
| TRAFFIC RESPONSIVE   |     |
| ADAPTIVE             |     |
| *LOCATION OF MASTER  |     |
| CONTROLLER NO:       | S-  |
| SIGNAL SYSTEM NO:    | SS- |

| TYPE OF LIGHTING                 |   |
|----------------------------------|---|
| BY OTHER AGENCY                  |   |
| IN TRAFFIC CABINET               | X |
| IN SEPARATE DOT LIGHTING CABINET |   |

| TYPE OF PRE-EMPT    |   |
|---------------------|---|
| NONE                |   |
| RAILROAD            |   |
| EMERGENCY VEHICLE   | X |
| GTT                 |   |
| TOMAR               | X |
| HARDWIRE            |   |
| OTHER               |   |
| CONFIRMATION LIGHTS | X |
| LIFT BRIDGE         |   |
| QUEUE DETECTION     |   |

## EMERGENCY VEHICLE PREEMPTION SEQUENCE

| EMERGENCY VEHICLE PREEMPTOR | A   | B   | C   | D   |
|-----------------------------|-----|-----|-----|-----|
| MOVEMENT                    |     |     |     |     |
| PHASE                       | 2+5 | 6+1 | 4+8 | 8+4 |

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.

AFTER PREEMPTION SEQUENCE 4+8 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 4+8.

## DETECTOR LOGIC

|                        |    |    |    |    |    |    |    |    |
|------------------------|----|----|----|----|----|----|----|----|
| DETECTOR INPUT         | 3  | 1  | 7  | 5  | 11 | 9  | 15 | 13 |
| PLAN LOOP DETECTOR*(S) | 11 | 31 | 41 | 51 | 61 | 81 | 21 |    |
| CALLED PHASE           | 1  | 3  | 4  | 5  | 6  | 8  | 2  |    |
| CALL OPTION            | X  | X  | X  | X  | X  | X  | X  |    |
| DELAY TIME             |    |    | X  |    |    | X  |    |    |
| EXTENTION OPTION       | X  | X  | X  | X  | X  | X  | X  |    |
| EXTEND TIME            |    |    |    |    |    |    |    |    |
| USE ADDED INITIAL      |    |    |    |    | X  |    | X  |    |
| CROSS SWITCH PHASE     | 2  | 4  |    | 6  |    |    |    |    |

|                        |    |    |    |    |    |    |    |    |
|------------------------|----|----|----|----|----|----|----|----|
| DETECTOR INPUT         | 4  | 2  | 8  | 6  | 12 | 10 | 16 | 14 |
| PLAN LOOP DETECTOR*(S) | 12 | 32 | 42 | 52 | 62 | 82 |    |    |
| CALLED PHASE           | 1  | 3  | 4  | 5  | 6  | 8  |    |    |
| CALL OPTION            | X  | X  | X  | X  | X  | X  |    |    |
| DELAY TIME             | X  | X  | X  | X  |    | X  |    |    |
| EXTENTION OPTION       | X  | X  | X  | X  | X  | X  |    |    |
| EXTEND TIME            |    |    |    |    |    |    |    |    |
| USE ADDED INITIAL      |    |    |    |    | X  |    |    |    |
| CROSS SWITCH PHASE     | 2  | 4  |    | 6  |    |    |    |    |

|    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|
| 19 | 17 | 23 | 21 | 27 | 25 | 31 | 29 |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |
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|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |

|    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|
| 20 | 18 | 24 | 22 | 28 | 26 | 32 | 30 |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |

|                        |  |
|------------------------|--|
| DETECTOR INPUT         |  |
| PLAN LOOP DETECTOR*(S) |  |
| CALLED PHASE           |  |
| CALL OPTION            |  |
| DELAY TIME             |  |
| EXTENTION OPTION       |  |
| EXTEND TIME            |  |
| USE ADDED INITIAL      |  |
| CROSS SWITCH PHASE     |  |

|                        |  |
|------------------------|--|
| DETECTOR INPUT         |  |
| PLAN LOOP DETECTOR*(S) |  |
| CALLED PHASE           |  |
| CALL OPTION            |  |
| DELAY TIME             |  |
| EXTENTION OPTION       |  |
| EXTEND TIME            |  |
| USE ADDED INITIAL      |  |
| CROSS SWITCH PHASE     |  |



|               |                       |
|---------------|-----------------------|
| PROJECT ID:   | 2210-12-70            |
| INTERSECTION: | USH 18 & OAK CREST DR |

|                          |             |            |              |
|--------------------------|-------------|------------|--------------|
| Signal Wire Color Coding | BLK - black | RED - red  | GRN - green  |
|                          | WHT - white | BLU - blue | ORG - orange |

| CB1 TO | AWG14 # OF CONDUCTORS | HEAD NO.       | SIGNAL INDICATION WIRE COLOR |                |                |         |          |         |                   |        |      | PED NEUTRAL | PED INPUT |
|--------|-----------------------|----------------|------------------------------|----------------|----------------|---------|----------|---------|-------------------|--------|------|-------------|-----------|
|        |                       |                | RED                          | YELLOW         | GREEN          | <RED>   | <YELLOW> | <GREEN> | <FLASHING YELLOW> | D/WALK | WALK |             |           |
| SB1    | 7                     | 19<br>B        |                              |                |                |         |          |         |                   | BLK    | BLU  | WHT/BLK     |           |
| SB2    | 12                    | 14<br>16       | RED/BLK                      | ORG/BLK        | GRN/BLK        | RED     | ORG      | GRN     | BLK/WHT           |        |      |             |           |
| SB3    | 12                    | 12<br>13<br>15 | RED<br>RED                   | ORG<br>ORG     | GRN<br>GRN     |         |          |         |                   |        |      |             |           |
|        |                       |                |                              |                |                | RED/BLK | ORG/BLK  | GRN/BLK | BLK/WHT           |        |      |             |           |
| SB4    | 7                     | 20<br>B        |                              |                |                |         |          |         |                   | BLK    | BLU  | WHT/BLK     |           |
| SB5    | 7                     | 21<br>B        |                              |                |                |         |          |         |                   | BLK    | BLU  | WHT/BLK     |           |
| SB6    | 12                    | 4<br>6         | RED/BLK                      | ORG/BLK        | GRN/BLK        | RED     | ORG      | GRN     | BLK/WHT           |        |      |             |           |
| SB7    | 12                    | 2<br>3<br>5    | RED<br>RED                   | ORG<br>ORG     | GRN<br>GRN     |         |          |         |                   |        |      |             |           |
|        |                       |                |                              |                |                | RED/BLK | ORG/BLK  | GRN/BLK | BLK/WHT           |        |      |             |           |
| SB8    | 7                     | 22<br>B        |                              |                |                |         |          |         |                   | BLK    | BLU  | WHT/BLK     |           |
| SB9    | 7                     | 23<br>B        |                              |                |                |         |          |         |                   | BLK    | BLU  | WHT/BLK     |           |
| SB10   | 12                    | 11<br>17       | RED<br>RED/BLK               | ORG<br>ORG/BLK | GRN<br>GRN/BLK |         |          |         |                   |        |      |             |           |
| SB11   | 12                    | 18             | RED                          | ORG            | GRN            |         |          |         |                   |        |      |             |           |
| SB12   | 7                     | 24<br>B        |                              |                |                |         |          |         |                   | BLK    | BLU  | WHT/BLK     |           |
| SB13   | 7                     | 25<br>B        |                              |                |                |         |          |         |                   | BLK    | BLU  | WHT/BLK     |           |
| SB14   | 12                    | 1<br>9         | RED                          | ORG            | GRN            |         |          |         |                   |        |      |             |           |
|        |                       |                |                              |                |                | RED/BLK | ORG/BLK  | GRN/BLK | BLK/WHT           |        |      |             |           |
| SB15   | 7                     | 26<br>B        |                              |                |                |         |          |         |                   | BLK    | BLU  | WHT/BLK     |           |
| SB16   | 12                    | 7<br>8         | RED<br>RED                   | ORG<br>ORG     | GRN<br>GRN     |         |          |         |                   |        |      |             |           |
|        |                       | 10             |                              |                |                | RED/BLK | ORG/BLK  | GRN/BLK | BLK/WHT           |        |      |             |           |

\*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications

\*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.

\*At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded conductor.

\*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

| Equipment<br>Grounding Conductor<br>10 AWG Green XLP |      |
|------------------------------------------------------|------|
| From                                                 | To   |
|                                                      |      |
| CB1                                                  | SB1  |
| SB1                                                  | SB2  |
| SB2                                                  | SB3  |
| SB3                                                  | SB4  |
| SB4                                                  | SB5  |
| SB5                                                  | SB6  |
| SB6                                                  | SB7  |
| SB7                                                  | SB8  |
| SB8                                                  | SB9  |
| SB9                                                  | SB10 |
| SB10                                                 | SB11 |
| SB11                                                 | SB12 |
| SB12                                                 | SB13 |
| SB13                                                 | SB14 |
| SB14                                                 | SB15 |
| SB15                                                 | SB16 |
| SB16                                                 | CB1  |
|                                                      |      |

| Pull Box<br>Bonding Jumper<br>10 AWG Green XLP |      |
|------------------------------------------------|------|
| From                                           | To   |
|                                                |      |
| PB1                                            | CB1  |
| PB3                                            | SB3  |
| PB4                                            | SB6  |
| PB7                                            | SB7  |
| PB8                                            | SB10 |
| PB10                                           | SB11 |
| PB11                                           | SB14 |
| PB13                                           | SB16 |
|                                                |      |

| Lighting<br>UF 2-10 AWG<br>Grounded |      |
|-------------------------------------|------|
| From                                | To   |
|                                     |      |
| CB1                                 | SB3  |
| SB3                                 | SB7  |
|                                     |      |
| CB1                                 | SB11 |
|                                     |      |

| Emergency<br>Vehicle<br>Preemption |               |
|------------------------------------|---------------|
| From                               | To            |
|                                    |               |
| CB1                                | SB16 (HEAD A) |
| CB1                                | SB7 (HEAD B)  |
| CB1                                | SB11 (HEAD C) |
| CB1                                | SB3 (HEAD D)  |
|                                    |               |



PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)
- 8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
- 9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)
- 10

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)
- 11

MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
- 12

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- 13

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)
- 14

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- 15

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)
- 16

MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- 18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- 19

MARKING ARROW EPOXY (TYPE 2) (WHITE)
- 20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)
- 21

MARKING ARROW EPOXY (TYPE 3) (WHITE)
- 22

MARKING ARROW EPOXY (TYPE 5) (WHITE)
- 23

MARKING WORD EPOXY (WHITE)
- 24

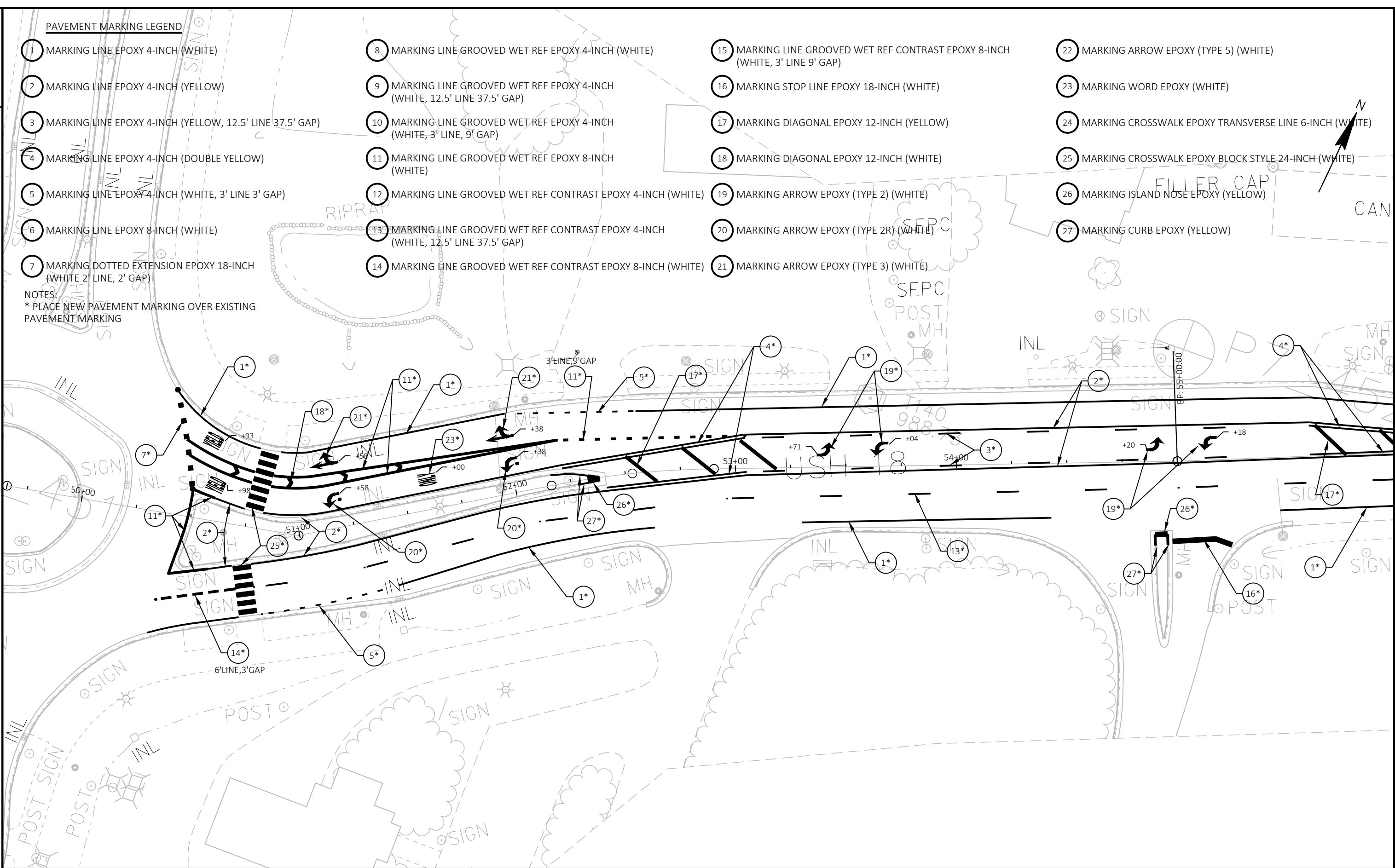
MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- 25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
- 26

MARKING ISLAND NOSE EPOXY (YELLOW)
- 27

MARKING CURB EPOXY (YELLOW)

NOTES:  
\* PLACE NEW PAVEMENT MARKING OVER EXISTING PAVEMENT MARKING



|                        |             |                  |                  |       |   |
|------------------------|-------------|------------------|------------------|-------|---|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | PAVEMENT MARKING | SHEET | E |
|------------------------|-------------|------------------|------------------|-------|---|

PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

10

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)

11

MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)

12

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

13

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

14

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)

15

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)

16

MARKING STOP LINE EPOXY 18-INCH (WHITE)

17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)

19

MARKING ARROW EPOXY (TYPE 2) (WHITE)

20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)

21

MARKING ARROW EPOXY (TYPE 3) (WHITE)

22

MARKING ARROW EPOXY (TYPE 5) (WHITE)

23

MARKING WORD EPOXY (WHITE)

24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

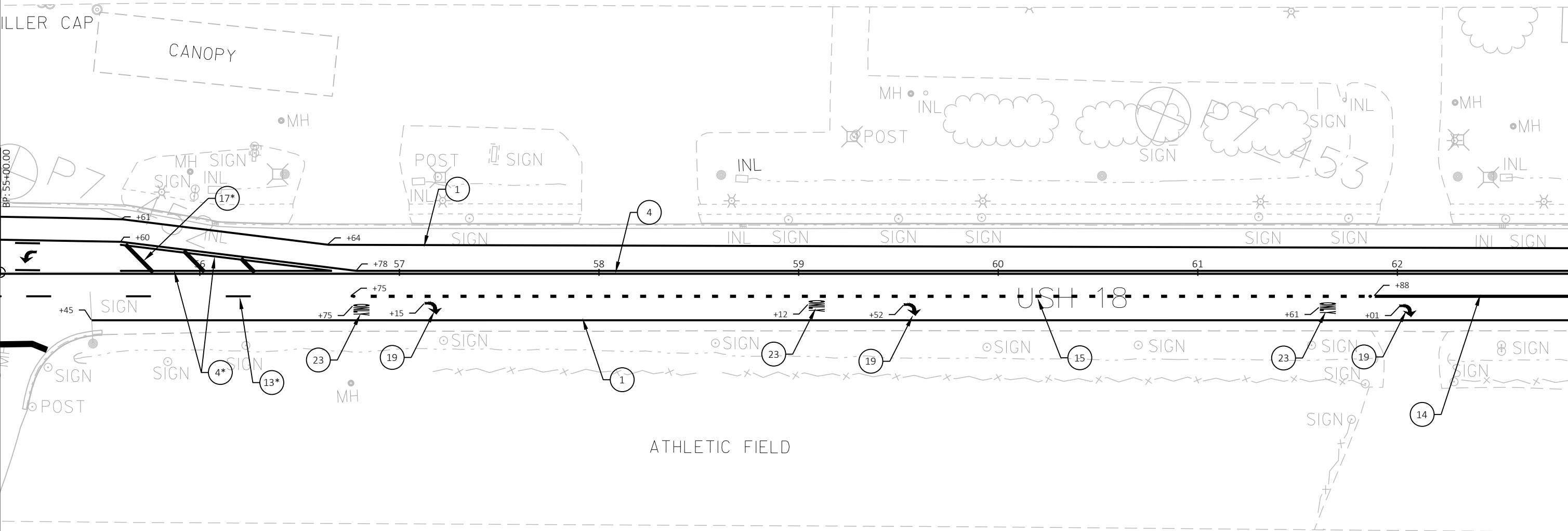
25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

26

MARKING ISLAND NOSE EPOXY (YELLOW)

27

MARKING CURB EPOXY (YELLOW)

PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)
- 8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
- 9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)
- 10

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)
- 11

MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
- 12

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- 13

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)
- 14

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- 15

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)
- 16

MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- 18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- 19

MARKING ARROW EPOXY (TYPE 2) (WHITE)
- 20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)
- 21

MARKING ARROW EPOXY (TYPE 3) (WHITE)
- 22

MARKING ARROW EPOXY (TYPE 5) (WHITE)
- 23

MARKING WORD EPOXY (WHITE)
- 24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- 25

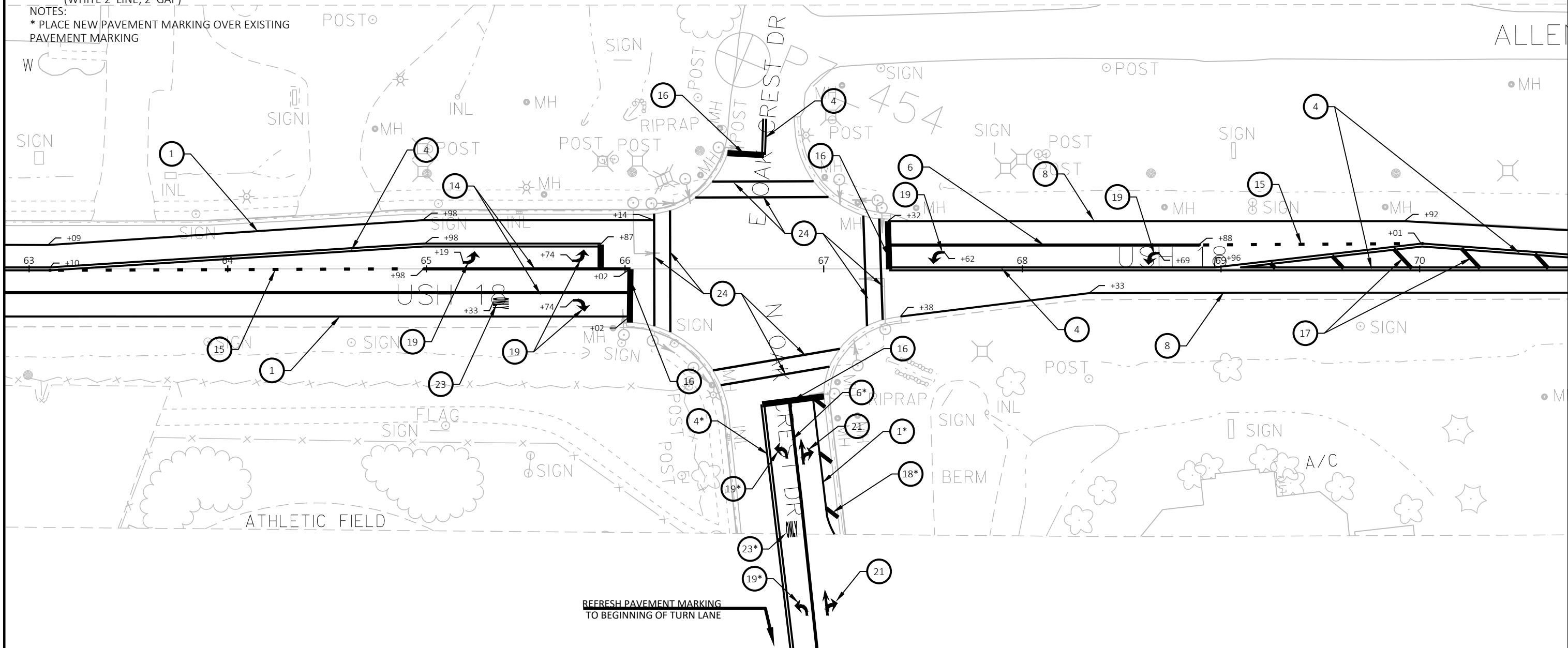
MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
- 26

MARKING ISLAND NOSE EPOXY (YELLOW)
- 27

MARKING CURB EPOXY (YELLOW)



NOTES:  
\* PLACE NEW PAVEMENT MARKING OVER EXISTING PAVEMENT MARKING



PAVEMENT MARKING LEGEND

- 1 MARKING LINE EPOXY 4-INCH (WHITE)

2 MARKING LINE EPOXY 4-INCH (YELLOW)

3 MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)

4 MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)

5 MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)

6 MARKING LINE EPOXY 8-INCH (WHITE)

7 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)
- 8 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

9 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

10 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)

11 MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)

12 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

13 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

14 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- 15 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)

16 MARKING STOP LINE EPOXY 18-INCH (WHITE)

17 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

18 MARKING DIAGONAL EPOXY 12-INCH (WHITE)

19 MARKING ARROW EPOXY (TYPE 2) (WHITE)

20 MARKING ARROW EPOXY (TYPE 2R) (WHITE)

21 MARKING ARROW EPOXY (TYPE 3) (WHITE)
- 22 MARKING ARROW EPOXY (TYPE 5) (WHITE)

23 MARKING WORD EPOXY (WHITE)

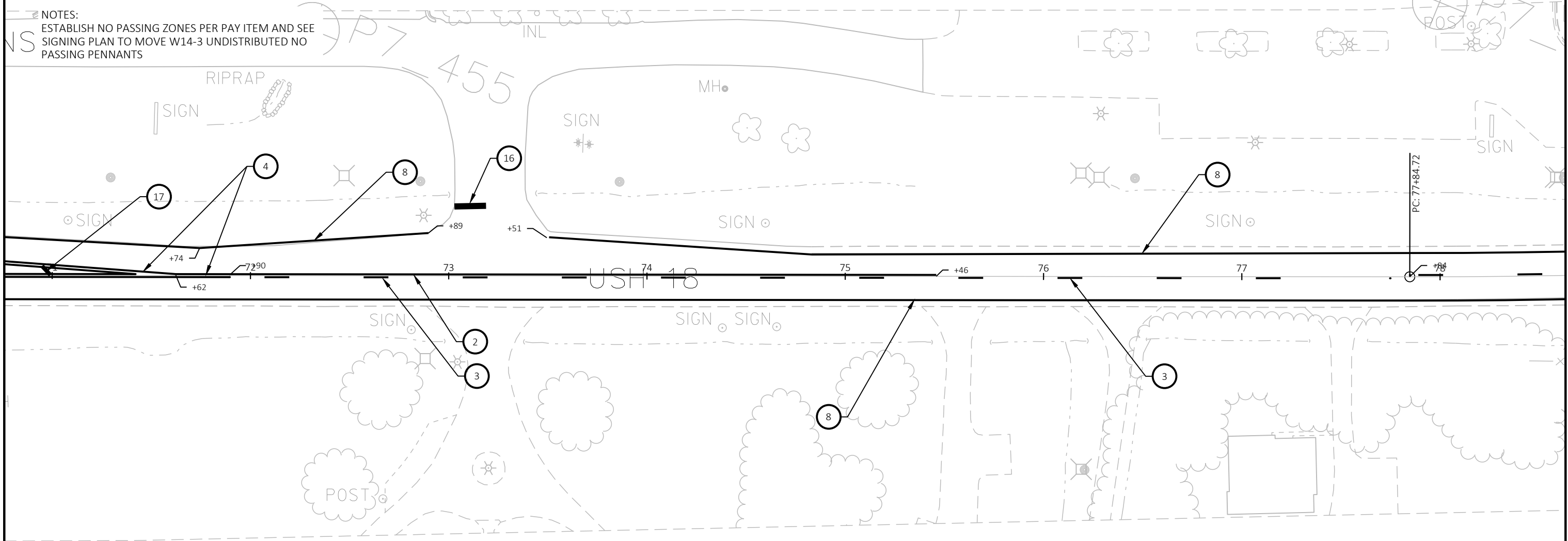
24 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

25 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

26 MARKING ISLAND NOSE EPOXY (YELLOW)

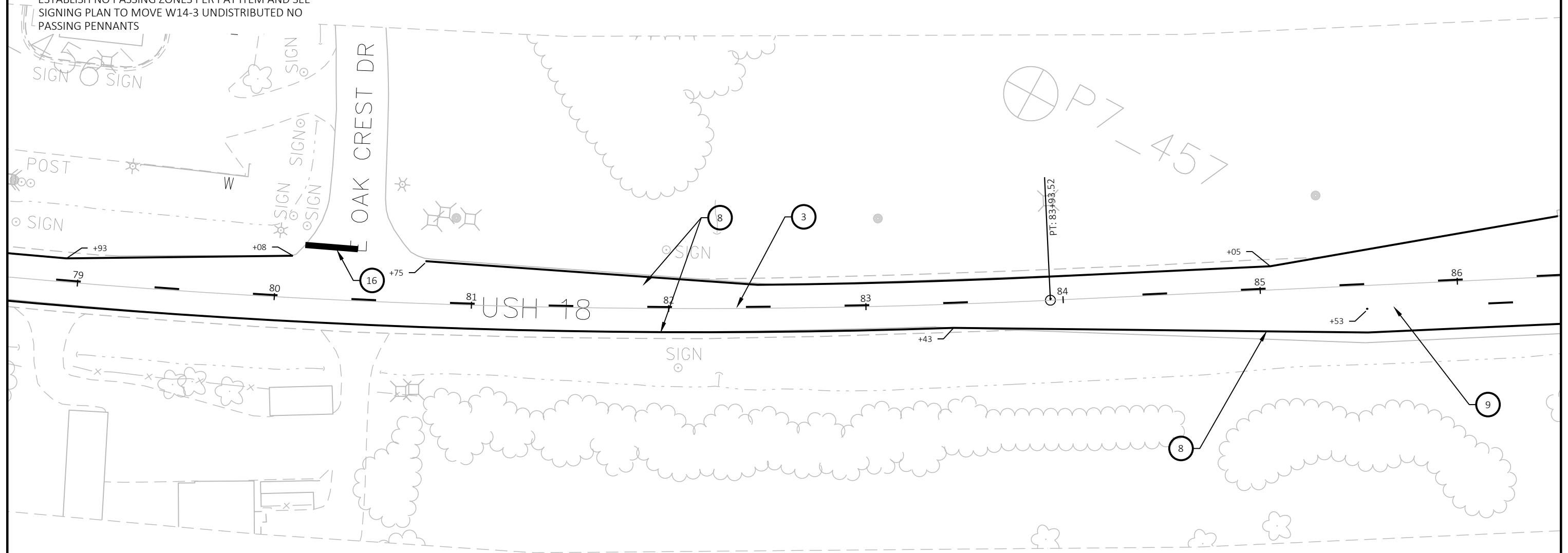
27 MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



|                                                                  |                                                                                     |                                                                               |                                                           |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------|
| 1 MARKING LINE EPOXY 4-INCH (WHITE)                              | 8 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)                                 | 15 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP) | 22 MARKING ARROW EPOXY (TYPE 5) (WHITE)                   |
| 2 MARKING LINE EPOXY 4-INCH (YELLOW)                             | 9 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)           | 16 MARKING STOP LINE EPOXY 18-INCH (WHITE)                                    | 23 MARKING WORD EPOXY (WHITE)                             |
| 3 MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)       | 10 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)               | 17 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)                                    | 24 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE) |
| 4 MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)                      | 11 MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)                                | 18 MARKING DIAGONAL EPOXY 12-INCH (WHITE)                                     | 25 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)    |
| 5 MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)              | 12 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)                       | 19 MARKING ARROW EPOXY (TYPE 2) (WHITE)                                       | 26 MARKING ISLAND NOSE EPOXY (YELLOW)                     |
| 6 MARKING LINE EPOXY 8-INCH (WHITE)                              | 13 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP) | 20 MARKING ARROW EPOXY (TYPE 2R) (WHITE)                                      | 27 MARKING CURB EPOXY (YELLOW)                            |
| 7 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP) | 14 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)                       | 21 MARKING ARROW EPOXY (TYPE 3) (WHITE)                                       |                                                           |

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

10

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)

11

MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)

12

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

13

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

14

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)

15

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)

16

MARKING STOP LINE EPOXY 18-INCH (WHITE)

17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)

19

MARKING ARROW EPOXY (TYPE 2) (WHITE)

20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)

21

MARKING ARROW EPOXY (TYPE 3) (WHITE)

22

MARKING ARROW EPOXY (TYPE 5) (WHITE)

23

MARKING WORD EPOXY (WHITE)

24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

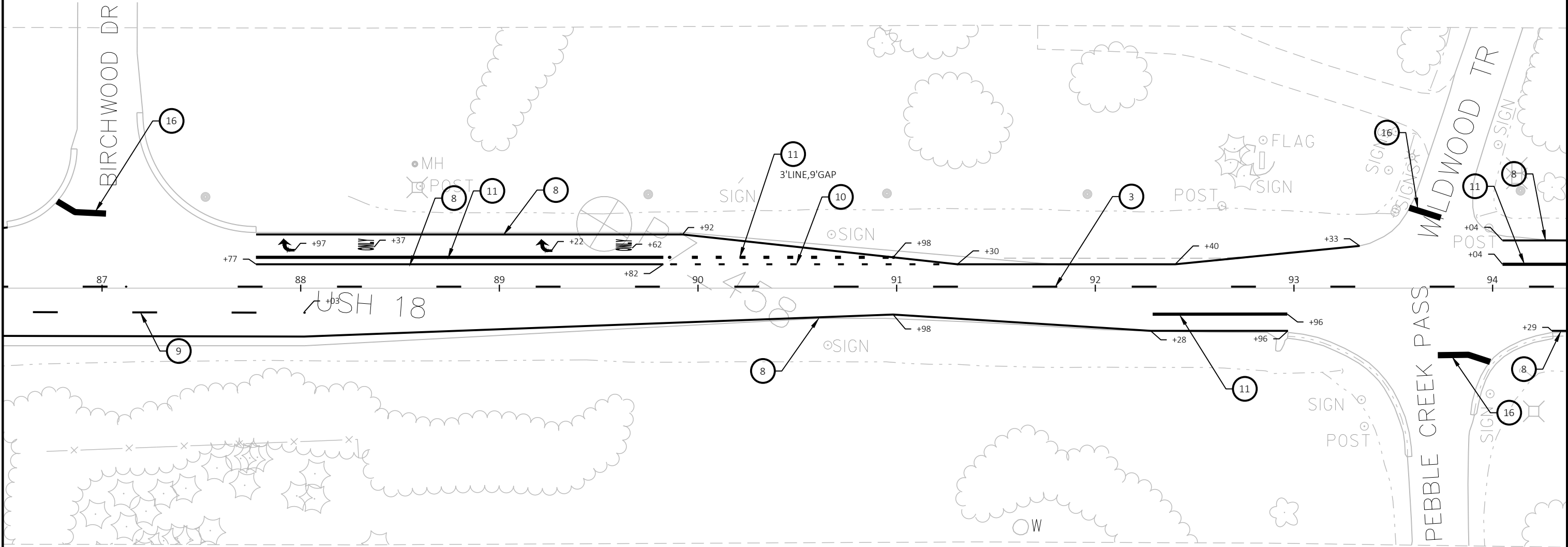
26

MARKING ISLAND NOSE EPOXY (YELLOW)

27

MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS





PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

10

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)

11

MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)

12

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

13

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)

15

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)

16

MARKING STOP LINE EPOXY 18-INCH (WHITE)

17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)

19

MARKING ARROW EPOXY (TYPE 2) (WHITE)

20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)

21

MARKING ARROW EPOXY (TYPE 3) (WHITE)

22

MARKING ARROW EPOXY (TYPE 5) (WHITE)

23

MARKING WORD EPOXY (WHITE)

24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

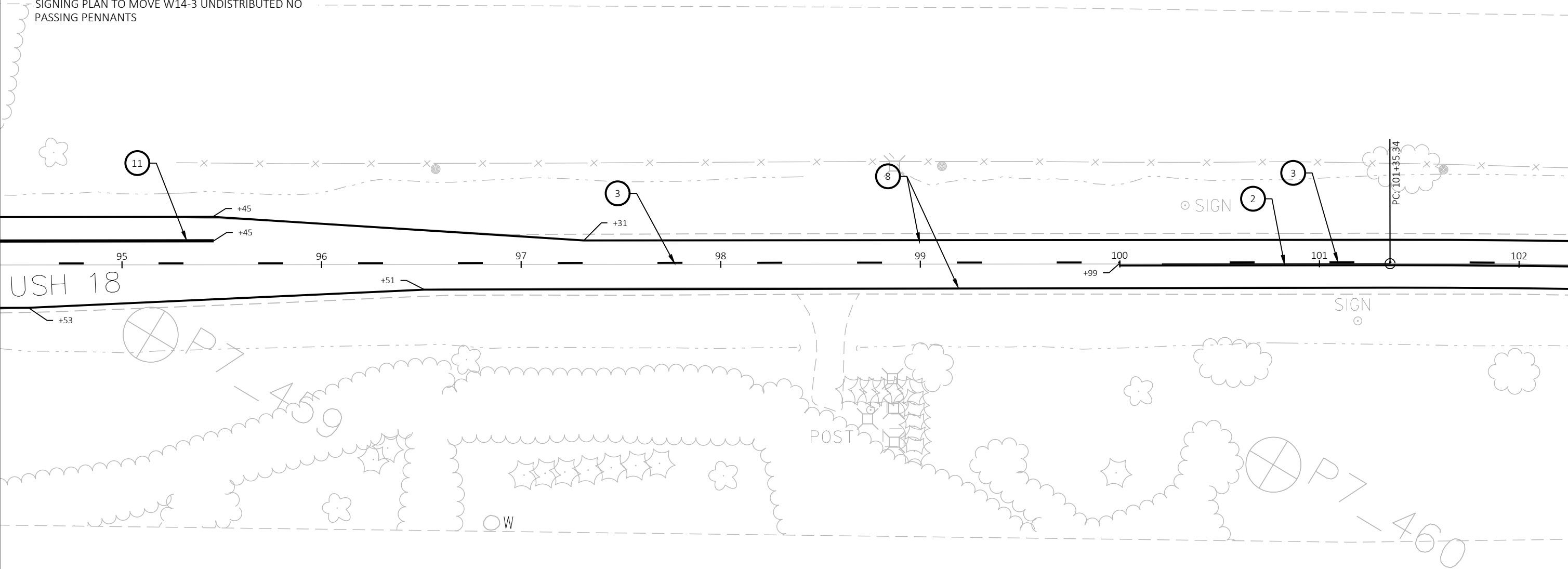
26

MARKING ISLAND NOSE EPOXY (YELLOW)

27

MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

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MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)

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MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)

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MARKING STOP LINE EPOXY 18-INCH (WHITE)

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MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)

19

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20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)

21

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22

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23

MARKING WORD EPOXY (WHITE)

24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

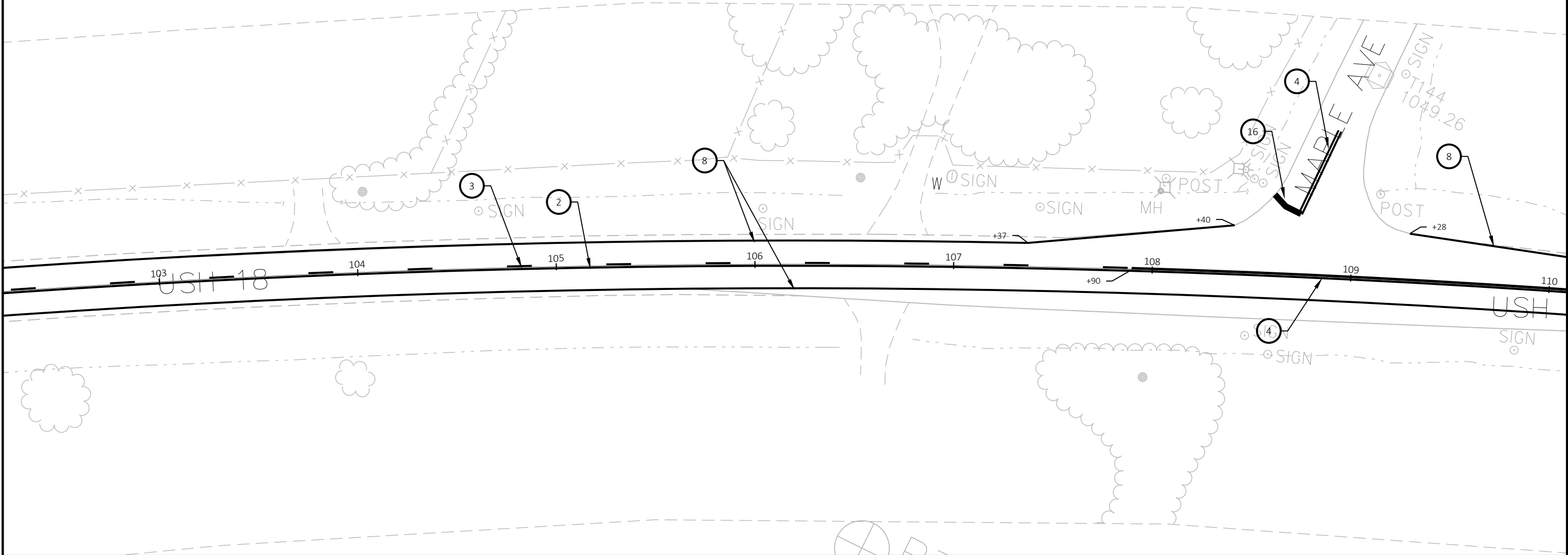
26

MARKING ISLAND NOSE EPOXY (YELLOW)

27

MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS





|                                                                  |                                                                                     |                                                                               |                                                           |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------|
| 1 MARKING LINE EPOXY 4-INCH (WHITE)                              | 8 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)                                 | 15 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP) | 22 MARKING ARROW EPOXY (TYPE 5) (WHITE)                   |
| 2 MARKING LINE EPOXY 4-INCH (YELLOW)                             | 9 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)           | 16 MARKING STOP LINE EPOXY 18-INCH (WHITE)                                    | 23 MARKING WORD EPOXY (WHITE)                             |
| 3 MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)       | 10 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)               | 17 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)                                    | 24 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE) |
| 4 MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)                      | 11 MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)                                | 18 MARKING DIAGONAL EPOXY 12-INCH (WHITE)                                     | 25 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)    |
| 5 MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)              | 12 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)                       | 19 MARKING ARROW EPOXY (TYPE 2) (WHITE)                                       | 26 MARKING ISLAND NOSE EPOXY (YELLOW)                     |
| 6 MARKING LINE EPOXY 8-INCH (WHITE)                              | 13 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP) | 20 MARKING ARROW EPOXY (TYPE 2R) (WHITE)                                      | 27 MARKING CURB EPOXY (YELLOW)                            |
| 7 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP) | 14 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)                       | 21 MARKING ARROW EPOXY (TYPE 3) (WHITE)                                       |                                                           |

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PAVEMENT MARKING LEGEND

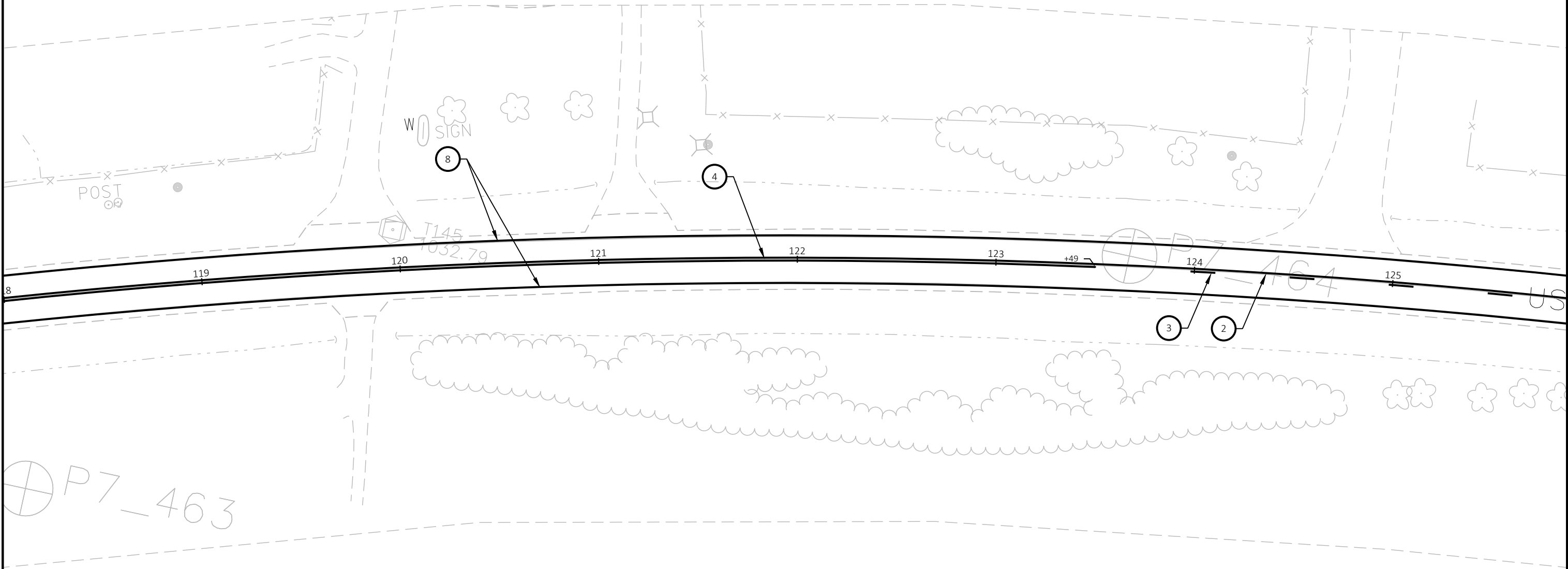
- 1 MARKING LINE EPOXY 4-INCH (WHITE)
- 2 MARKING LINE EPOXY 4-INCH (YELLOW)
- 3 MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
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- 5 MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6 MARKING LINE EPOXY 8-INCH (WHITE)
- 7 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

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- 22 MARKING ARROW EPOXY (TYPE 5) (WHITE)
- 23 MARKING WORD EPOXY (WHITE)
- 24 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- 25 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
- 26 MARKING ISLAND NOSE EPOXY (YELLOW)
- 27 MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

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MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

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MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)

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MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)

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MARKING STOP LINE EPOXY 18-INCH (WHITE)

17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)

19

MARKING ARROW EPOXY (TYPE 2) (WHITE)

20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)

21

MARKING ARROW EPOXY (TYPE 3) (WHITE)

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MARKING ARROW EPOXY (TYPE 5) (WHITE)

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MARKING WORD EPOXY (WHITE)

24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

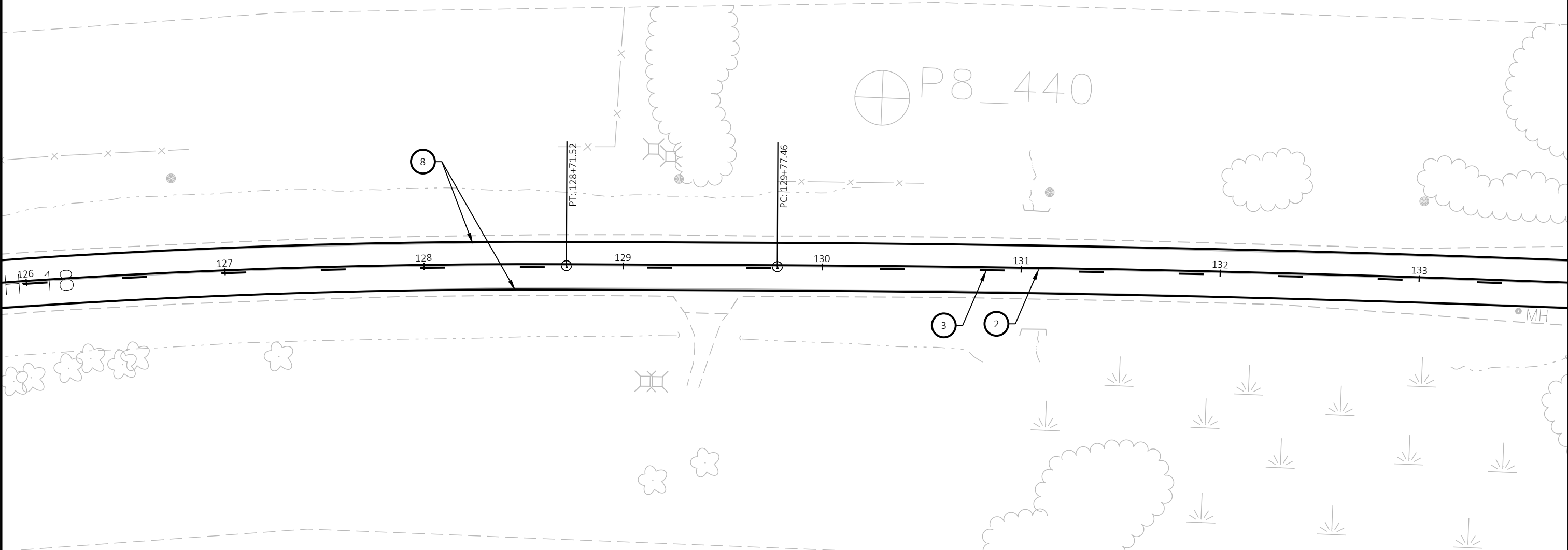
26

MARKING ISLAND NOSE EPOXY (YELLOW)

27

MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)
- 8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
- 9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)
- 10

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)
- 11

MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
- 12

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- 13

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)
- 14

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- 15

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)
- 16

MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- 18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- 19

MARKING ARROW EPOXY (TYPE 2) (WHITE)
- 20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)
- 21

MARKING ARROW EPOXY (TYPE 3) (WHITE)
- 22

MARKING ARROW EPOXY (TYPE 5) (WHITE)
- 23

MARKING WORD EPOXY (WHITE)
- 24

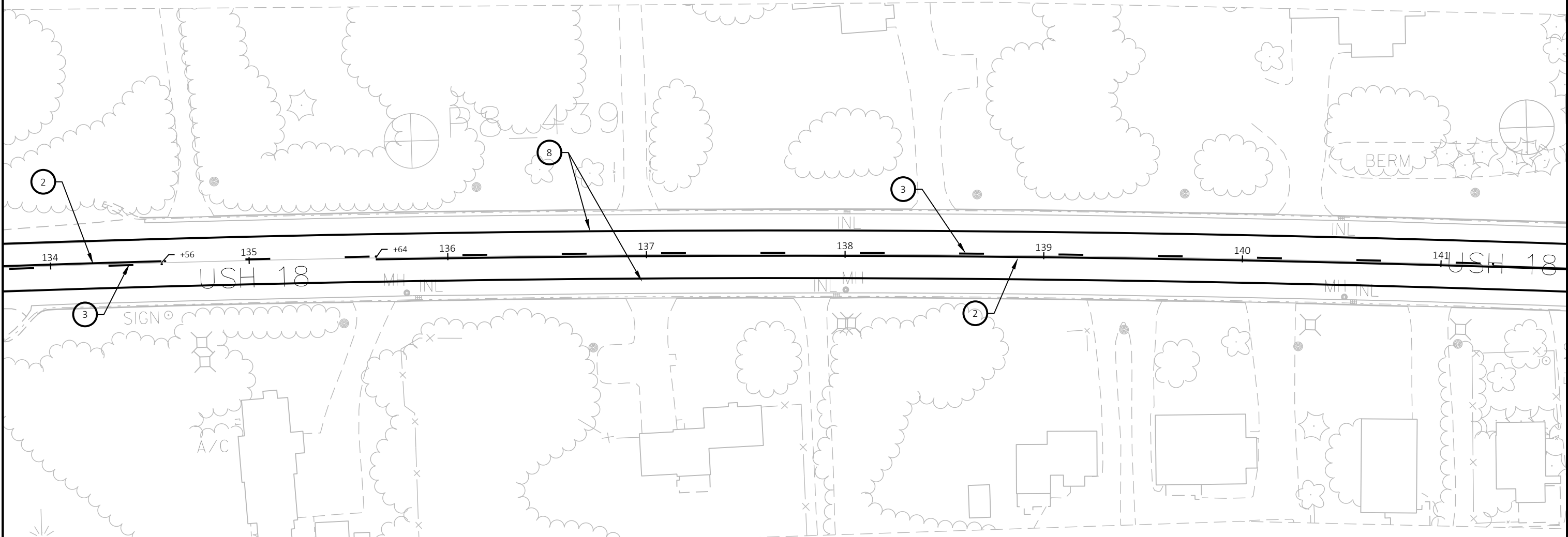
MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- 25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
- 26

MARKING ISLAND NOSE EPOXY (YELLOW)
- 27

MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



|                        |             |                  |                  |         |
|------------------------|-------------|------------------|------------------|---------|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | PAVEMENT MARKING | SHEET E |
|------------------------|-------------|------------------|------------------|---------|

|                                                                  |                                                                                     |                                                                               |                                                           |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------|
| 1 MARKING LINE EPOXY 4-INCH (WHITE)                              | 8 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)                                 | 15 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP) | 22 MARKING ARROW EPOXY (TYPE 5) (WHITE)                   |
| 2 MARKING LINE EPOXY 4-INCH (YELLOW)                             | 9 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)           | 16 MARKING STOP LINE EPOXY 18-INCH (WHITE)                                    | 23 MARKING WORD EPOXY (WHITE)                             |
| 3 MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)       | 10 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)               | 17 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)                                    | 24 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE) |
| 4 MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)                      | 11 MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)                                | 18 MARKING DIAGONAL EPOXY 12-INCH (WHITE)                                     | 25 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)    |
| 5 MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)              | 12 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)                       | 19 MARKING ARROW EPOXY (TYPE 2) (WHITE)                                       | 26 MARKING ISLAND NOSE EPOXY (YELLOW)                     |
| 6 MARKING LINE EPOXY 8-INCH (WHITE)                              | 13 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP) | 20 MARKING ARROW EPOXY (TYPE 2R) (WHITE)                                      | 27 MARKING CURB EPOXY (YELLOW)                            |
| 7 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP) | 14 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)                       | 21 MARKING ARROW EPOXY (TYPE 3) (WHITE)                                       |                                                           |

A hand-drawn map of a road section, likely a military or surveying sketch. The road is a horizontal line with several points marked by small circles and numbered 1 through 8. The road is flanked by dashed lines representing boundaries or terrain features. Various symbols and labels are present:

- Top Left:** A cluster of star-like symbols, possibly representing trees or vegetation. A label "38" is visible.
- Top Center:** A label "P8\_437" with a crosshair symbol next to it.
- Top Right:** A label "POST" and "MH" (possibly a marker or monument).
- Bottom Left:** A label "FLAG" and "W" (possibly a well or water feature).
- Bottom Center:** A label "POST" and "INL" (possibly an internal line or feature).
- Bottom Right:** A label "USH" (possibly a unit or feature).
- Labels along the road:** "142", "143", "144", "145", "146", "147", "148", "149".
- Other labels:** "T146", "1027 60", "PT: 143+64.45", "PC: 146+89.72", "+15".
- Numbered points:** Points 1, 2, 3, 4, 5, 6, 7, and 8 are marked with circles and arrows pointing to specific locations on the road.

PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE. 2' GAP)

8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

10

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)

11

MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)

12

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

13

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

14

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)

15

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)

16

MARKING STOP LINE EPOXY 18-INCH (WHITE)

17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)

19

MARKING ARROW EPOXY (TYPE 2) (WHITE)

20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)

21

MARKING ARROW EPOXY (TYPE 3) (WHITE)

22

MARKING ARROW EPOXY (TYPE 5) (WHITE)

23

MARKING WORD EPOXY (WHITE)

24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

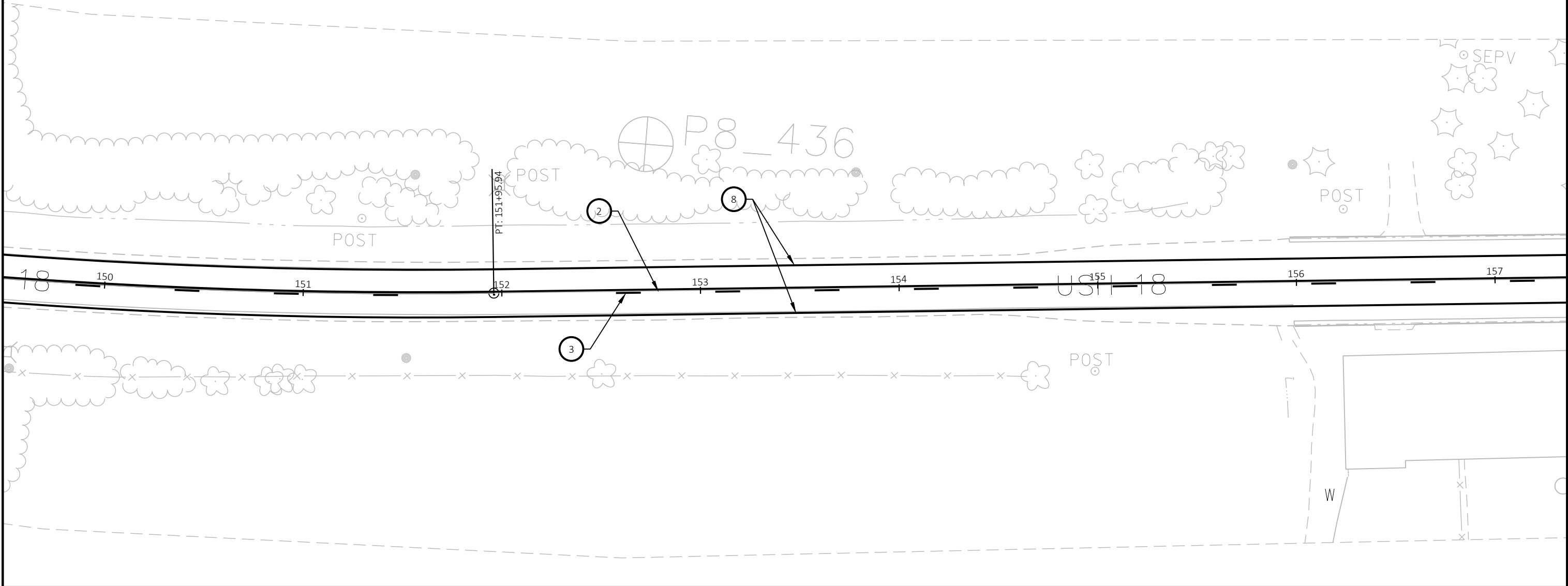
26

MARKING ISLAND NOSE EPOXY (YELLOW)

27

MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



|                        |             |                  |                  |       |   |
|------------------------|-------------|------------------|------------------|-------|---|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | PAVEMENT MARKING | SHEET | E |
|------------------------|-------------|------------------|------------------|-------|---|



PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

10

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)

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MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)

16

MARKING STOP LINE EPOXY 18-INCH (WHITE)

17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)

19

MARKING ARROW EPOXY (TYPE 2) (WHITE)

20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)

21

MARKING ARROW EPOXY (TYPE 3) (WHITE)

22

MARKING ARROW EPOXY (TYPE 5) (WHITE)

23

MARKING WORD EPOXY (WHITE)

24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

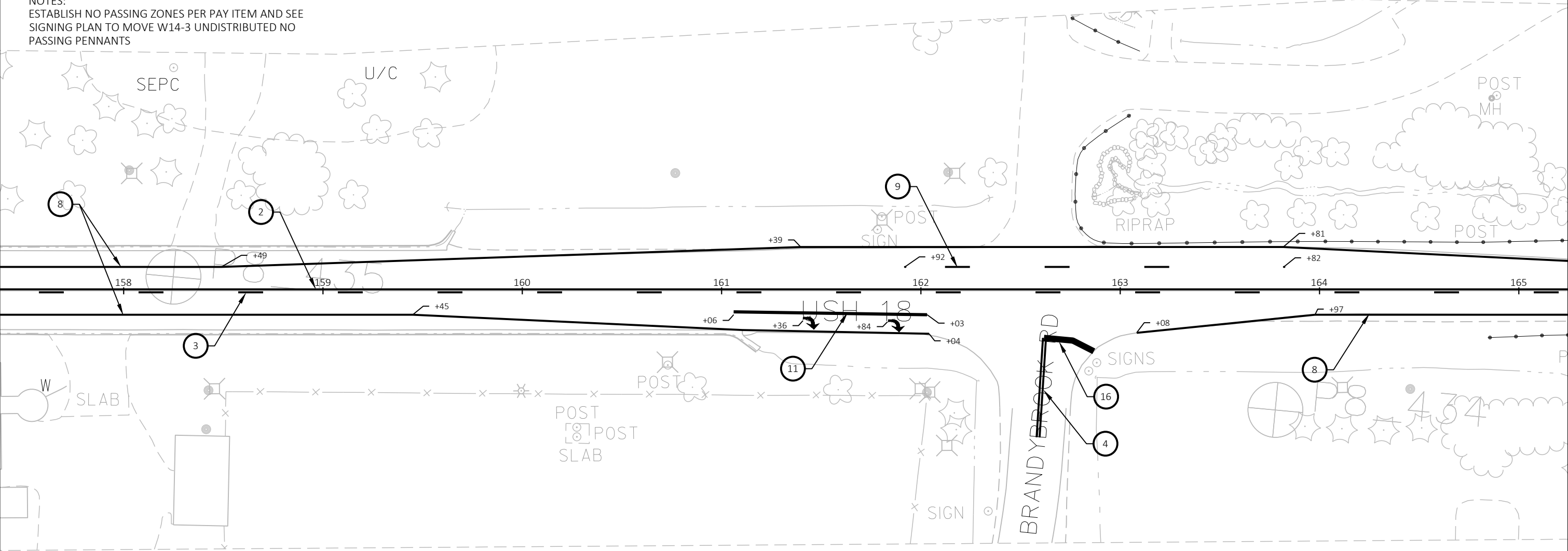
26

MARKING ISLAND NOSE EPOXY (YELLOW)

27

MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

10

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)

11

MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)

12

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

13

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)

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MARKING STOP LINE EPOXY 18-INCH (WHITE)

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MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

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MARKING DIAGONAL EPOXY 12-INCH (WHITE)

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MARKING ARROW EPOXY (TYPE 2R) (WHITE)

21

MARKING ARROW EPOXY (TYPE 3) (WHITE)

22

MARKING ARROW EPOXY (TYPE 5) (WHITE)

23

MARKING WORD EPOXY (WHITE)

24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

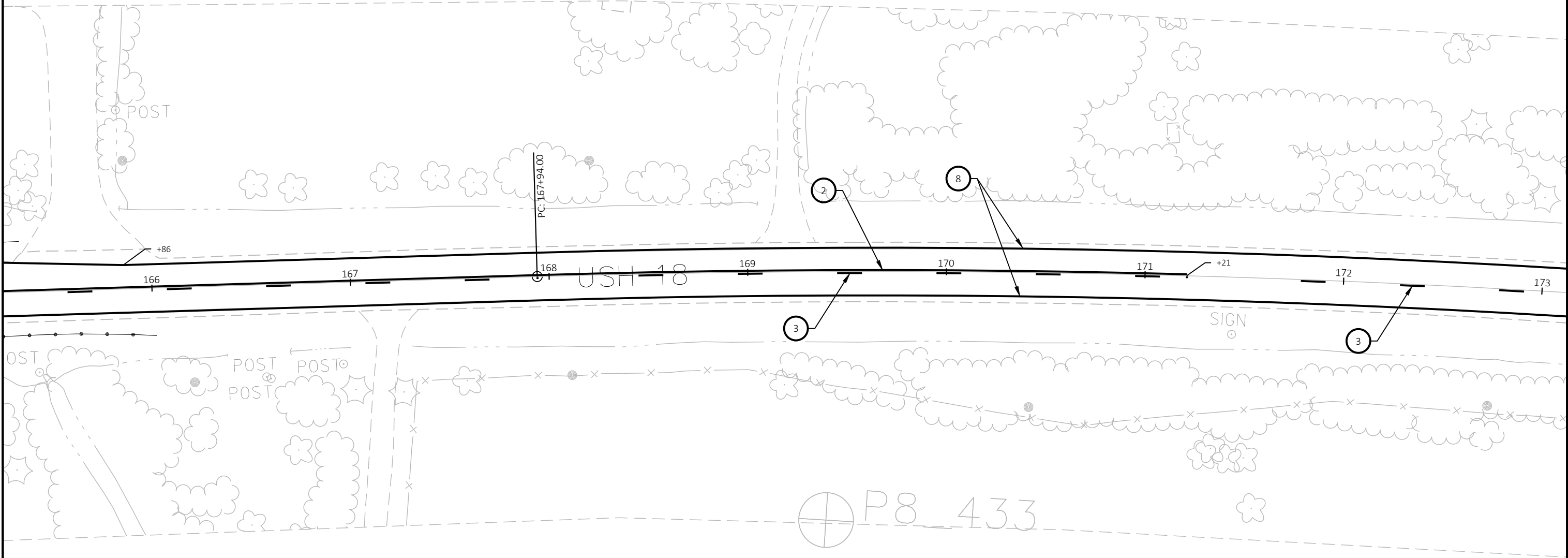
26

MARKING ISLAND NOSE EPOXY (YELLOW)

27

MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS





PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
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MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)
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MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
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MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
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MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
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- 16

MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- 18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- 19

MARKING ARROW EPOXY (TYPE 2) (WHITE)
- 20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)
- 21

MARKING ARROW EPOXY (TYPE 3) (WHITE)
- 22

MARKING ARROW EPOXY (TYPE 5) (WHITE)
- 23

MARKING WORD EPOXY (WHITE)
- 24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- 25

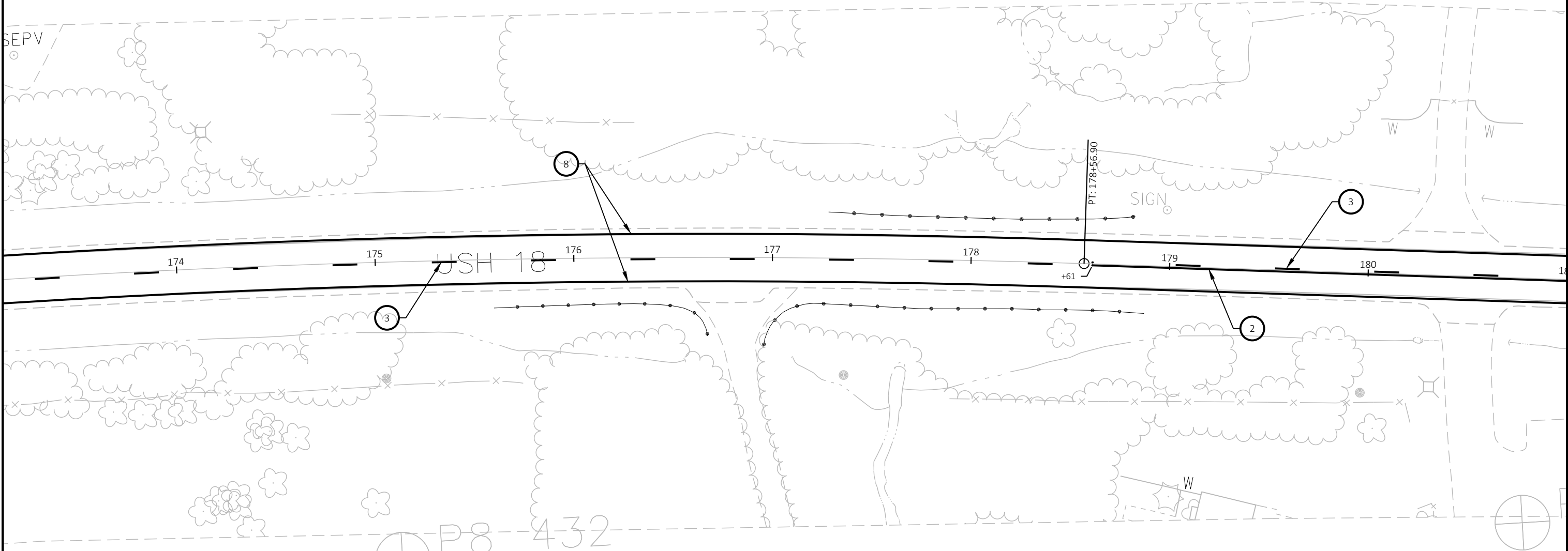
MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
- 26

MARKING ISLAND NOSE EPOXY (YELLOW)
- 27

MARKING CURB EPOXY (YELLOW)



NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

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MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)

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MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)

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MARKING STOP LINE EPOXY 18-INCH (WHITE)

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MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

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MARKING DIAGONAL EPOXY 12-INCH (WHITE)

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23

MARKING WORD EPOXY (WHITE)

24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

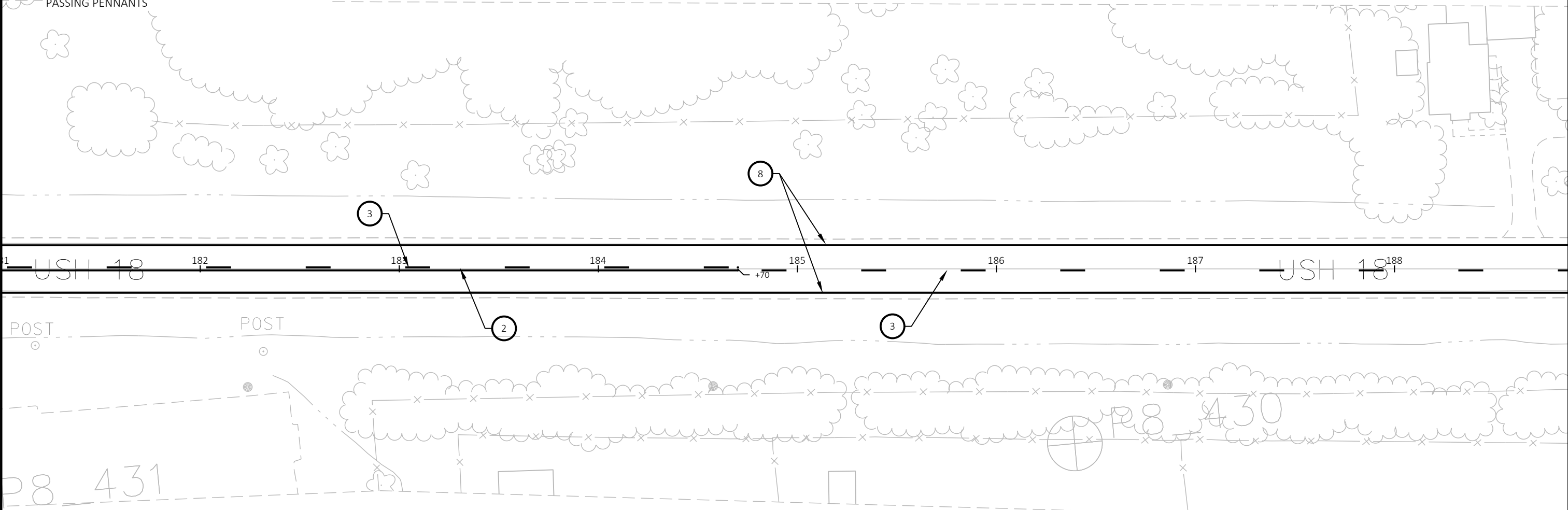
26

MARKING ISLAND NOSE EPOXY (YELLOW)

27

MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



PAVEMENT MARKING LEGEND

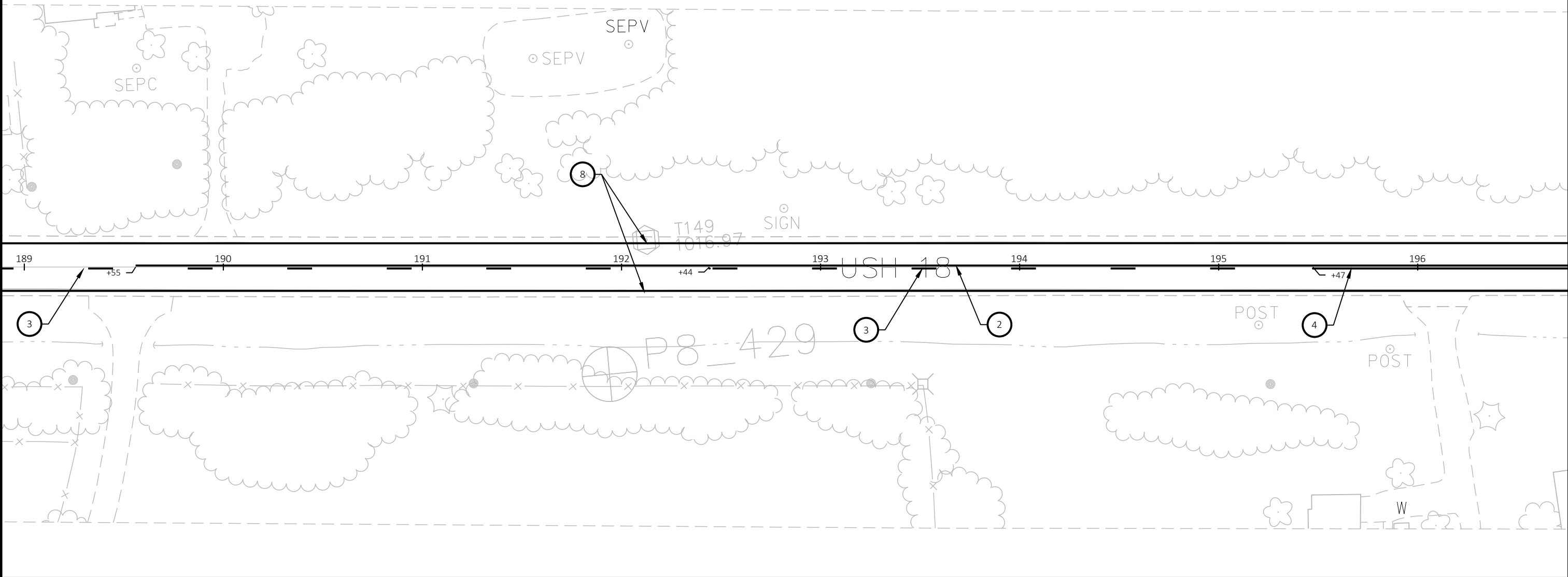
- 1 MARKING LINE EPOXY 4-INCH (WHITE)
- 2 MARKING LINE EPOXY 4-INCH (YELLOW)
- 3 MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4 MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5 MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6 MARKING LINE EPOXY 8-INCH (WHITE)
- 7 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

- 8 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
- 9 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)
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- 16 MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 17 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- 18 MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- 19 MARKING ARROW EPOXY (TYPE 2) (WHITE)
- 20 MARKING ARROW EPOXY (TYPE 2R) (WHITE)
- 21 MARKING ARROW EPOXY (TYPE 3) (WHITE)

- 22 MARKING ARROW EPOXY (TYPE 5) (WHITE)
- 23 MARKING WORD EPOXY (WHITE)
- 24 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- 25 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
- 26 MARKING ISLAND NOSE EPOXY (YELLOW)
- 27 MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



PROJECT NO: 2210-12-70

HWY: USH 18

COUNTY: WAUKESHA

PAVEMENT MARKING

SHEET

E

PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
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MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
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MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

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MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

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MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)

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MARKING STOP LINE EPOXY 18-INCH (WHITE)

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MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)

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MARKING ARROW EPOXY (TYPE 2) (WHITE)

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MARKING ARROW EPOXY (TYPE 3) (WHITE)

22

MARKING ARROW EPOXY (TYPE 5) (WHITE)

23

MARKING WORD EPOXY (WHITE)

24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

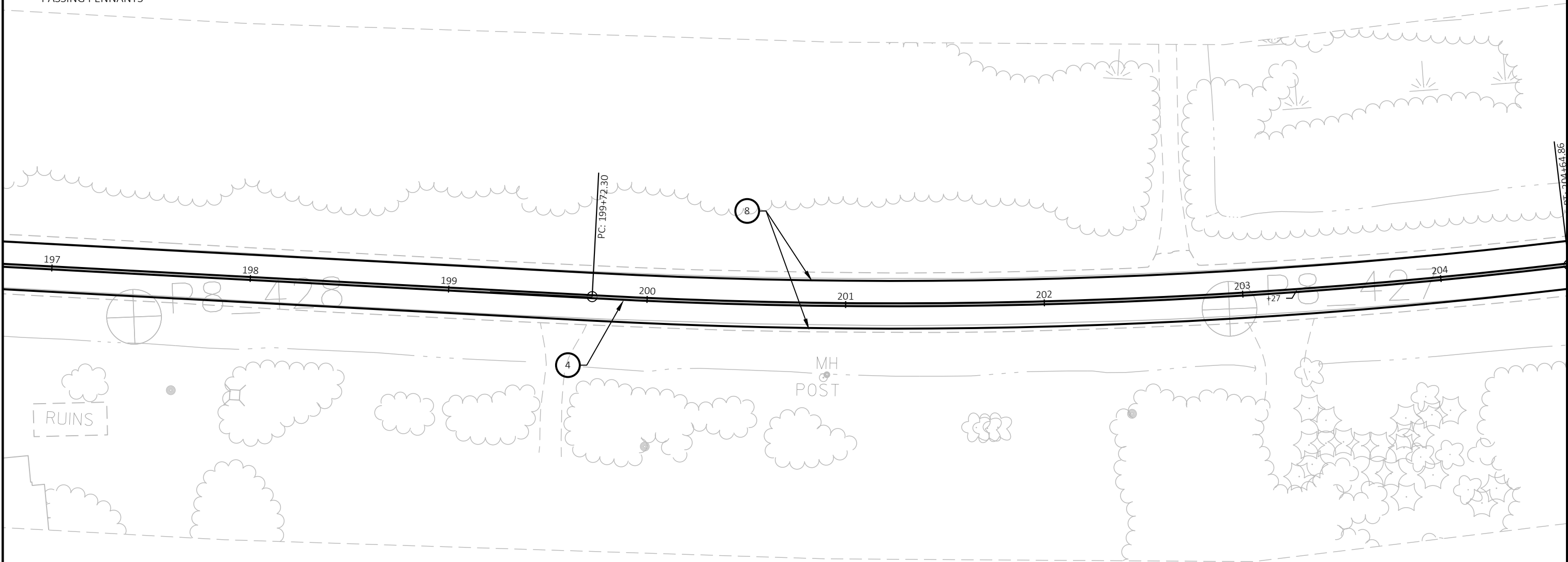
26

MARKING ISLAND NOSE EPOXY (YELLOW)

27

MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
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MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
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MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
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MARKING LINE EPOXY 8-INCH (WHITE)
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MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)
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MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
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MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)
- 14

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- 15

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)
- 16

MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- 18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- 19

MARKING ARROW EPOXY (TYPE 2) (WHITE)
- 20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)
- 21

MARKING ARROW EPOXY (TYPE 3) (WHITE)
- 22

MARKING ARROW EPOXY (TYPE 5) (WHITE)
- 23

MARKING WORD EPOXY (WHITE)
- 24

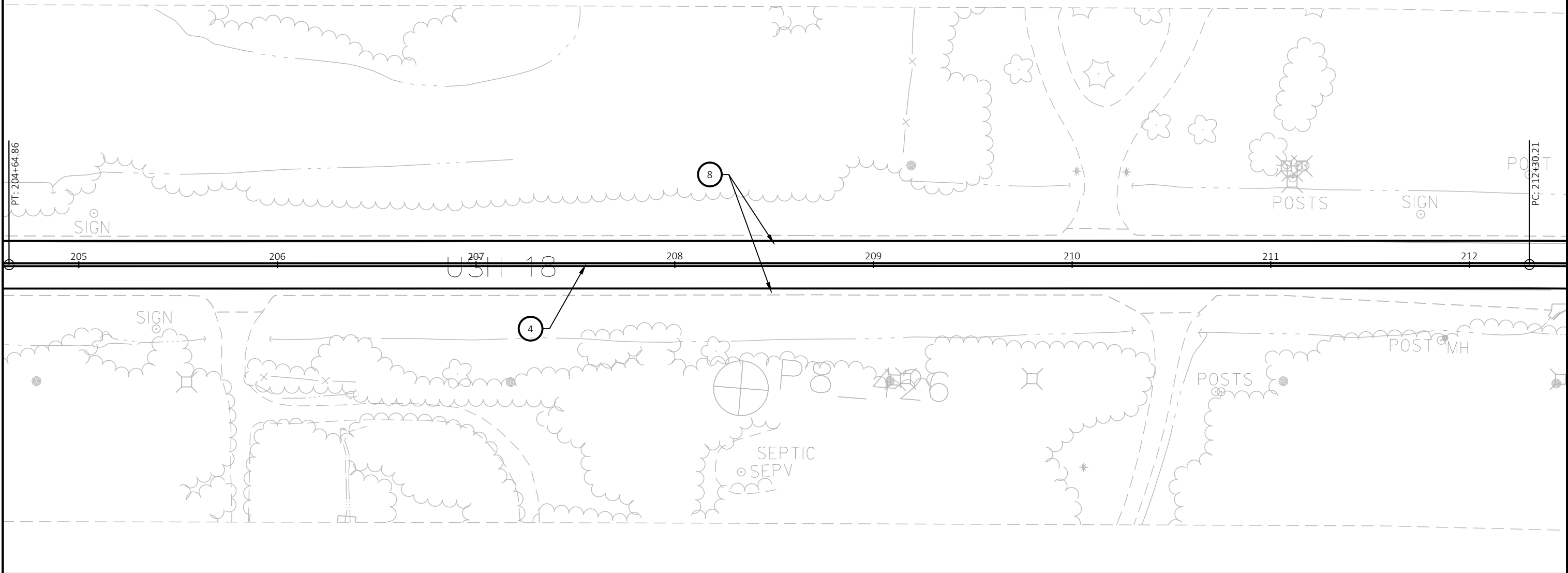
MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- 25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
- 26

MARKING ISLAND NOSE EPOXY (YELLOW)
- 27

MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



|                        |             |                  |                  |       |   |
|------------------------|-------------|------------------|------------------|-------|---|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | PAVEMENT MARKING | SHEET | E |
|------------------------|-------------|------------------|------------------|-------|---|

PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
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MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

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MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

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MARKING WORD EPOXY (WHITE)

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MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

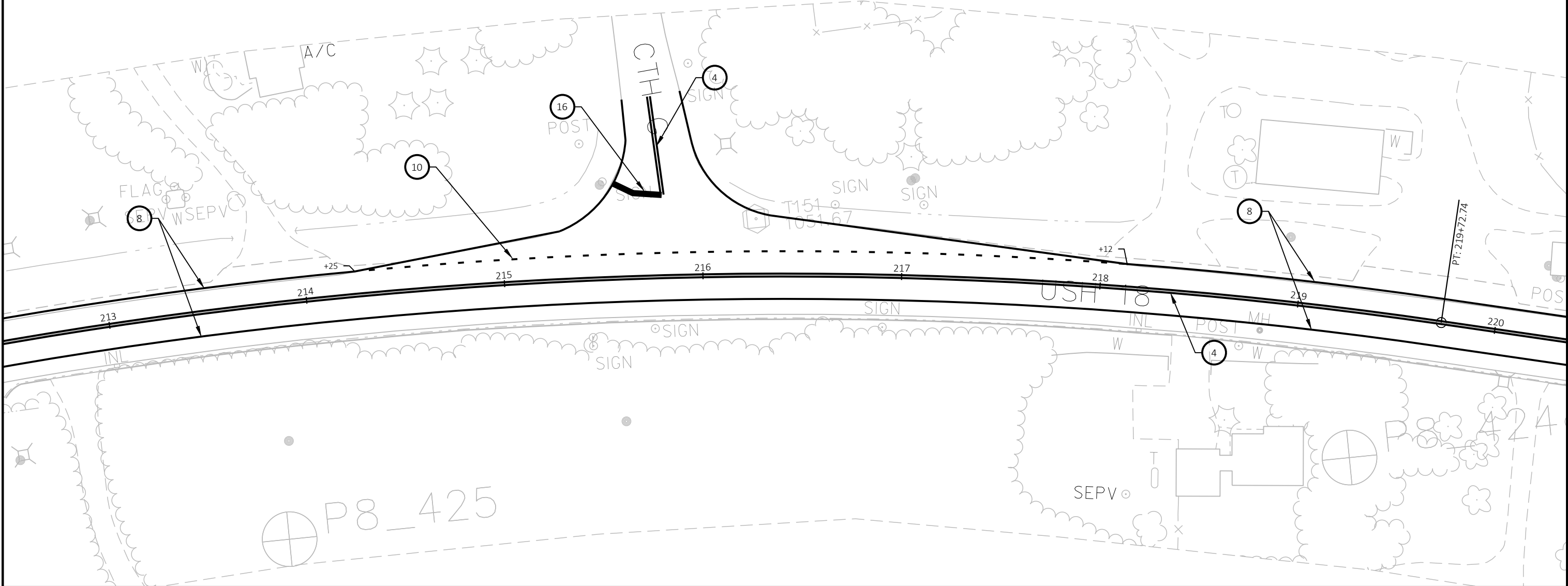
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MARKING ISLAND NOSE EPOXY (YELLOW)

27

MARKING CURB EPOXY (YELLOW)

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PASSING PENNANTS





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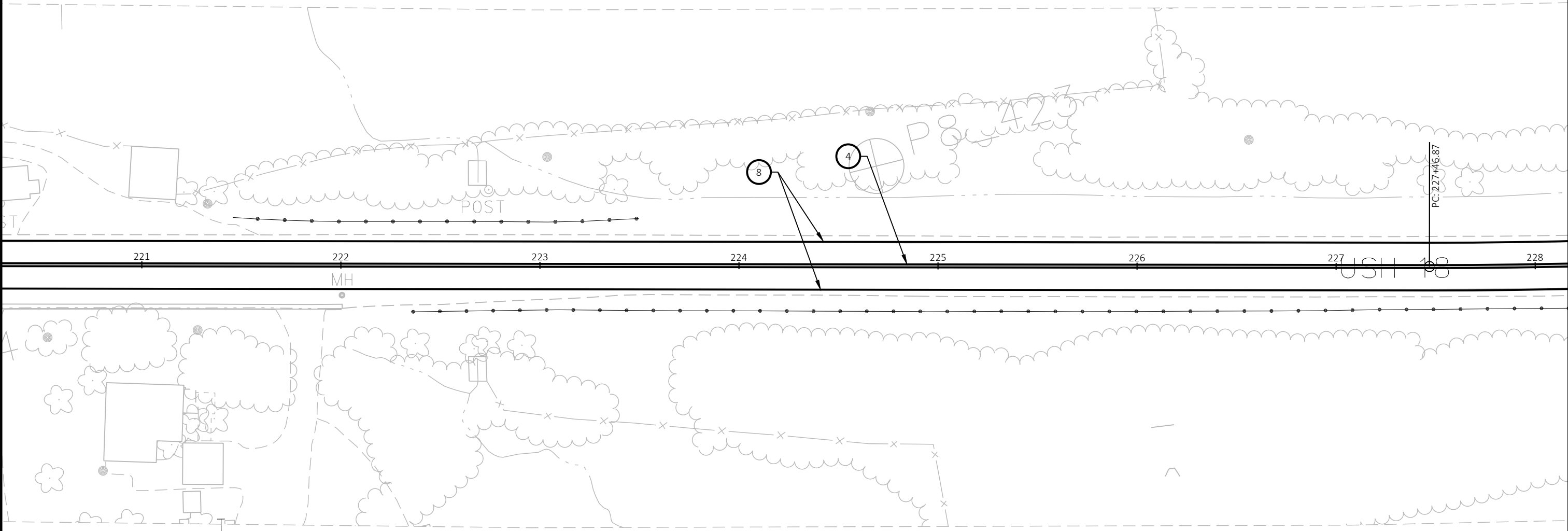
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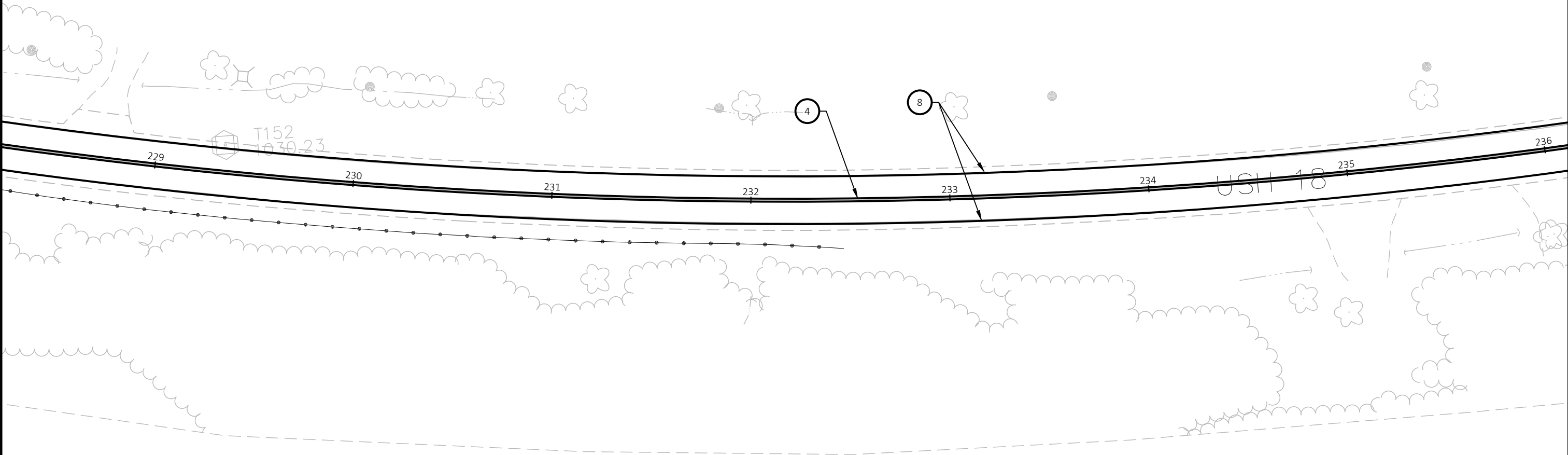
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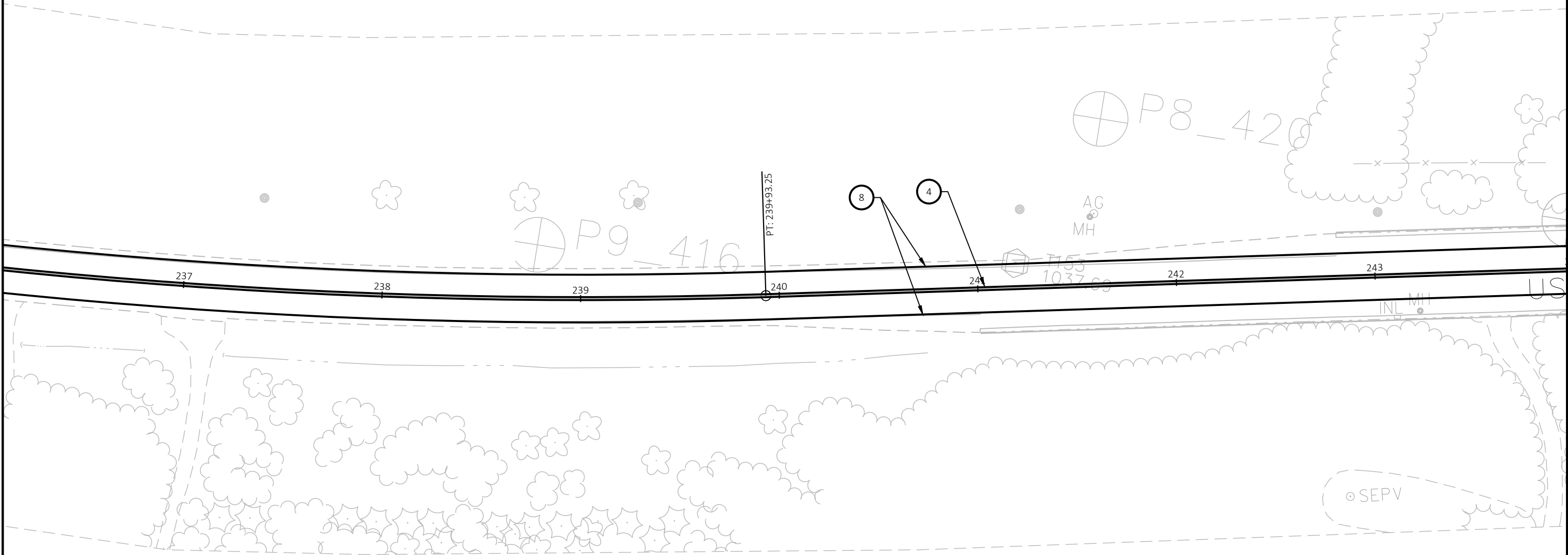
26

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NOTES:  
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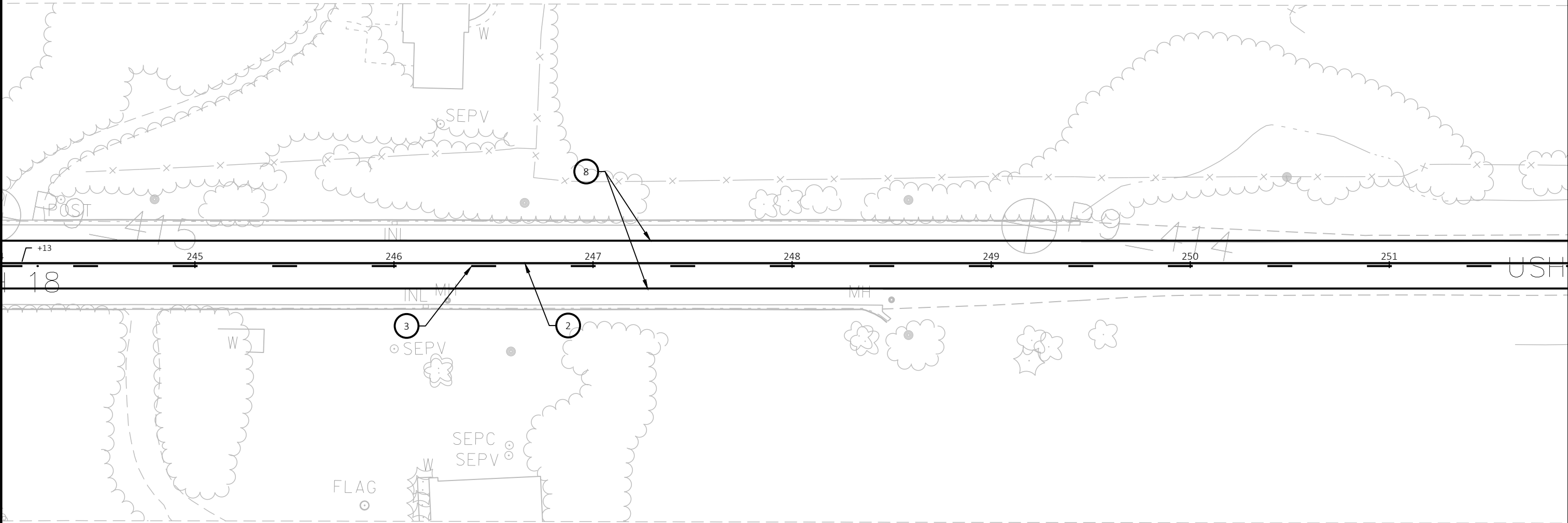
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MARKING ISLAND NOSE EPOXY (YELLOW)

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MARKING CURB EPOXY (YELLOW)

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PAVEMENT MARKING LEGEND

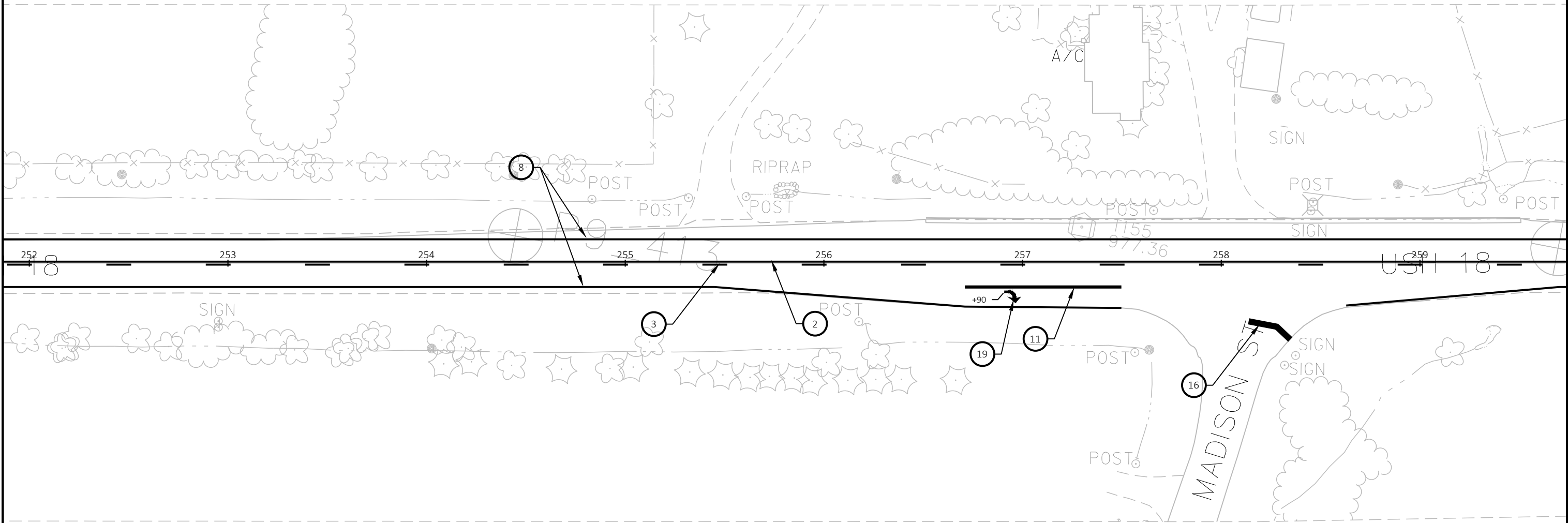
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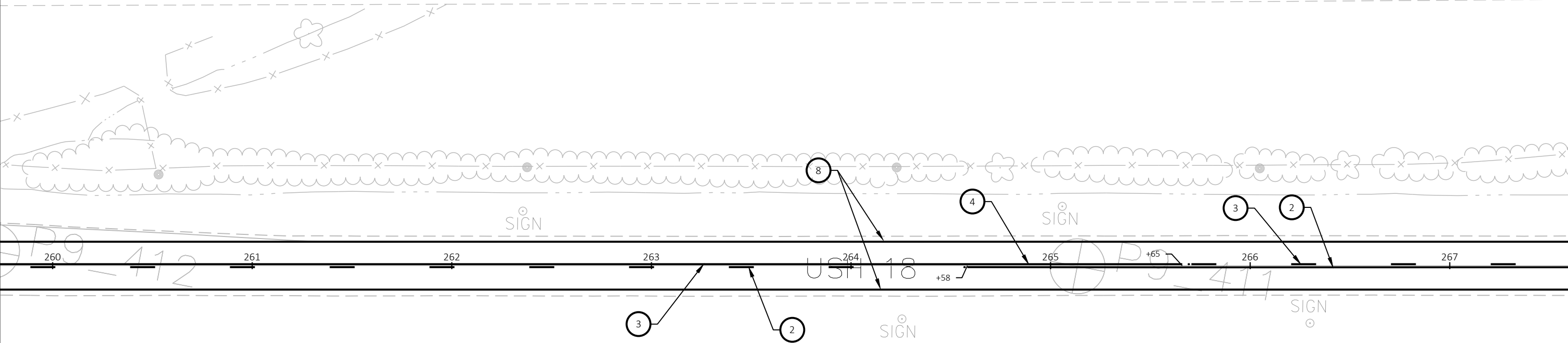
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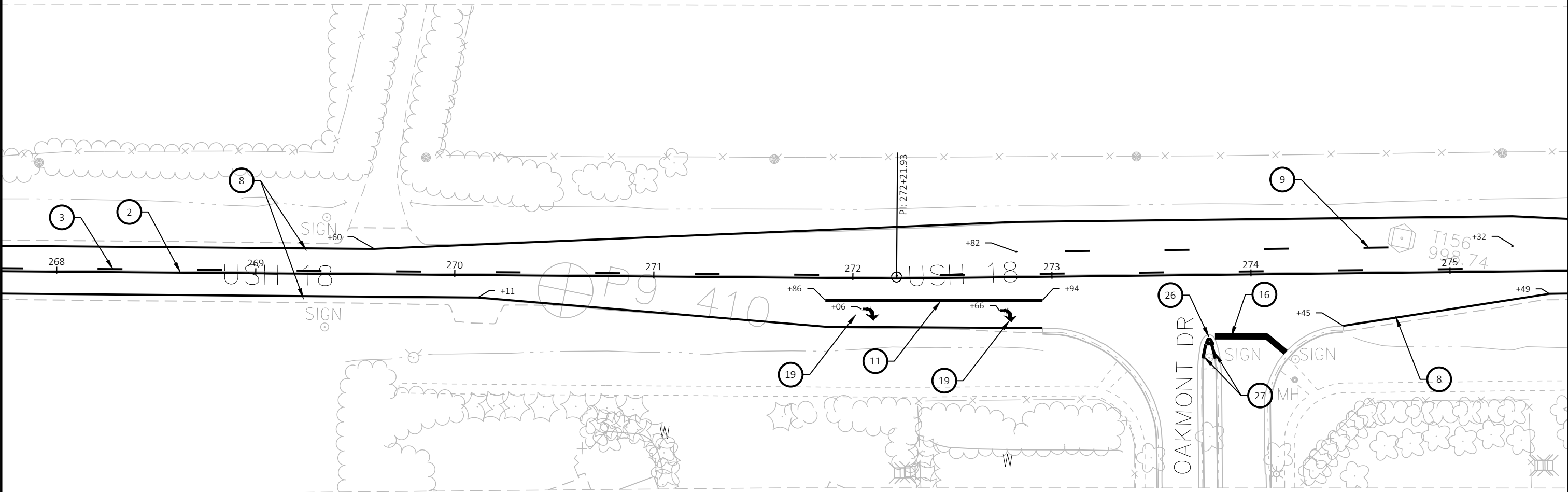
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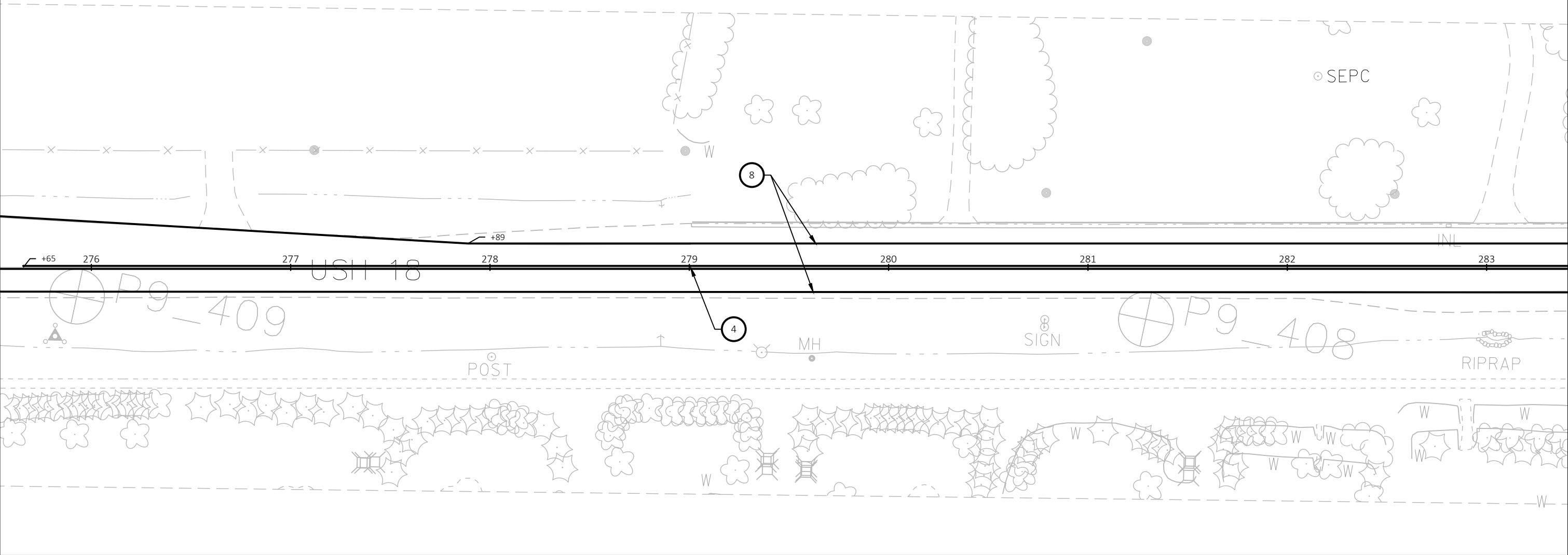
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N

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MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

10

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)

11

MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)

12

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

13

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

14

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)

15

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)

16

MARKING STOP LINE EPOXY 18-INCH (WHITE)

17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)

19

MARKING ARROW EPOXY (TYPE 2) (WHITE)

20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)

21

MARKING ARROW EPOXY (TYPE 3) (WHITE)

22

MARKING ARROW EPOXY (TYPE 5) (WHITE)

23

MARKING WORD EPOXY (WHITE)

24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

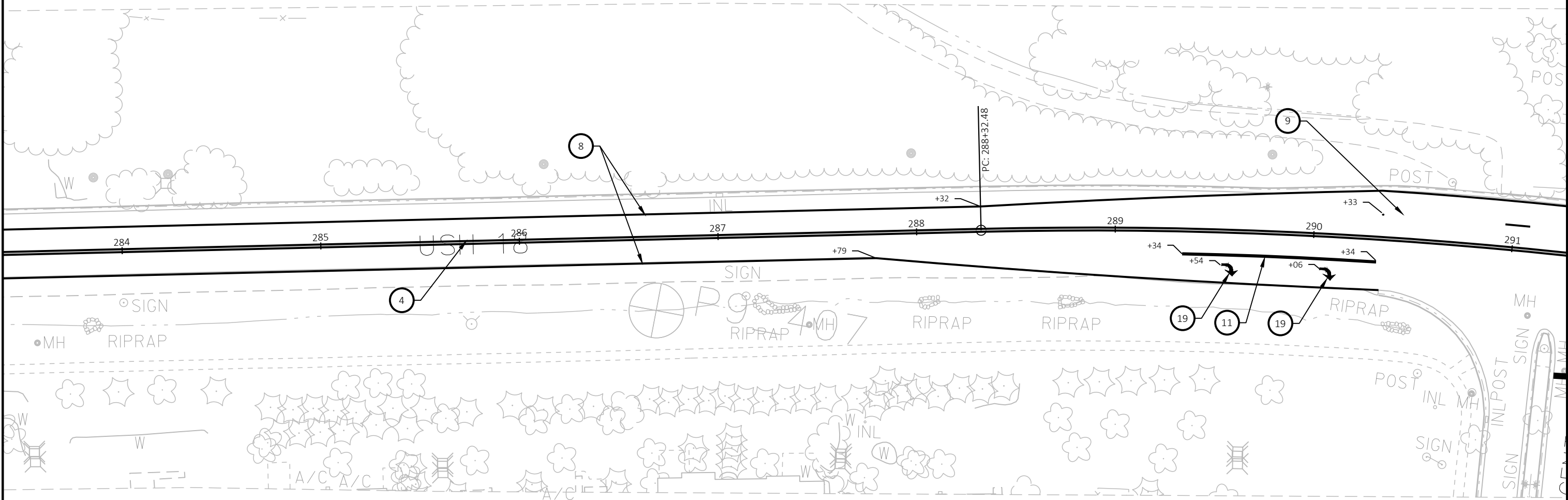
26

MARKING ISLAND NOSE EPOXY (YELLOW)

27

MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS



PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)
- 8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
- 9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)
- 10

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)
- 11

MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
- 12

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- 13

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)
- 14

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- 15

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)
- 16

MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- 18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- 19

MARKING ARROW EPOXY (TYPE 2) (WHITE)
- 20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)
- 21

MARKING ARROW EPOXY (TYPE 3) (WHITE)
- 22

MARKING ARROW EPOXY (TYPE 5) (WHITE)
- 23

MARKING WORD EPOXY (WHITE)
- 24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- 25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
- 26

MARKING ISLAND NOSE EPOXY (YELLOW)
- 27

MARKING CURB EPOXY (YELLOW)

NOTES:  
ESTABLISH NO PASSING ZONES PER PAY ITEM AND SEE  
SIGNING PLAN TO MOVE W14-3 UNDISTRIBUTED NO  
PASSING PENNANTS





|                                                                  |                                                                                     |                                                                               |                                                           |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------|
| 1 MARKING LINE EPOXY 4-INCH (WHITE)                              | 8 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)                                 | 15 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP) | 22 MARKING ARROW EPOXY (TYPE 5) (WHITE)                   |
| 2 MARKING LINE EPOXY 4-INCH (YELLOW)                             | 9 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)           | 16 MARKING STOP LINE EPOXY 18-INCH (WHITE)                                    | 23 MARKING WORD EPOXY (WHITE)                             |
| 3 MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)       | 10 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)               | 17 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)                                    | 24 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE) |
| 4 MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)                      | 11 MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)                                | 18 MARKING DIAGONAL EPOXY 12-INCH (WHITE)                                     | 25 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)    |
| 5 MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)              | 12 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)                       | 19 MARKING ARROW EPOXY (TYPE 2) (WHITE)                                       | 26 MARKING ISLAND NOSE EPOXY (YELLOW)                     |
| 6 MARKING LINE EPOXY 8-INCH (WHITE)                              | 13 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP) | 20 MARKING ARROW EPOXY (TYPE 2R) (WHITE)                                      | 27 MARKING CURB EPOXY (YELLOW)                            |
| 7 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP) | 14 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)                       | 21 MARKING ARROW EPOXY (TYPE 3) (WHITE)                                       |                                                           |

[illegible]

PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)

8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

10

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)

11

MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)

12

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

13

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)

14

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)

15

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)

16

MARKING STOP LINE EPOXY 18-INCH (WHITE)

17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)

19

MARKING ARROW EPOXY (TYPE 2) (WHITE)

20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)

21

MARKING ARROW EPOXY (TYPE 3) (WHITE)

22

MARKING ARROW EPOXY (TYPE 5) (WHITE)

23

MARKING WORD EPOXY (WHITE)

24

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

25

MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)

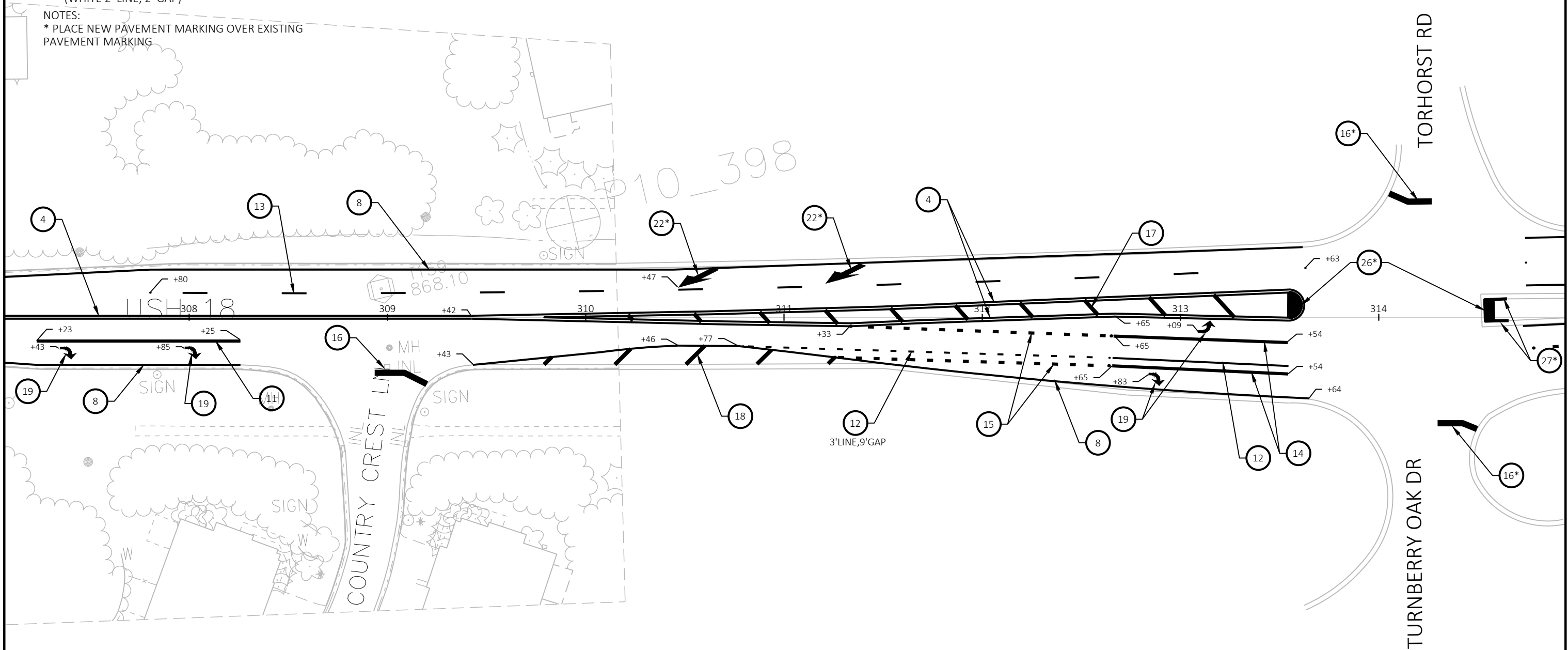
26

MARKING ISLAND NOSE EPOXY (YELLOW)

27

MARKING CURB EPOXY (YELLOW)

NOTES:  
\* PLACE NEW PAVEMENT MARKING OVER EXISTING PAVEMENT MARKING



PAVEMENT MARKING LEGEND

- 1

MARKING LINE EPOXY 4-INCH (WHITE)
- 2

MARKING LINE EPOXY 4-INCH (YELLOW)
- 3

MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' LINE 37.5' GAP)
- 4

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 5

MARKING LINE EPOXY 4-INCH (WHITE, 3' LINE 3' GAP)
- 6

MARKING LINE EPOXY 8-INCH (WHITE)
- 7

MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE 2' LINE, 2' GAP)
- 8

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
- 9

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)
- 10

MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE, 3' LINE, 9' GAP)
- 11

MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
- 12

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- 13

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE 37.5' GAP)
- 14

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- 15

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE 9' GAP)
- 16

MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 17

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- 18

MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- 19

MARKING ARROW EPOXY (TYPE 2) (WHITE)
- 20

MARKING ARROW EPOXY (TYPE 2R) (WHITE)
- 21

MARKING ARROW EPOXY (TYPE 3) (WHITE)
- 22

MARKING ARROW EPOXY (TYPE 5) (WHITE)
- 23

MARKING WORD EPOXY (WHITE)
- 24

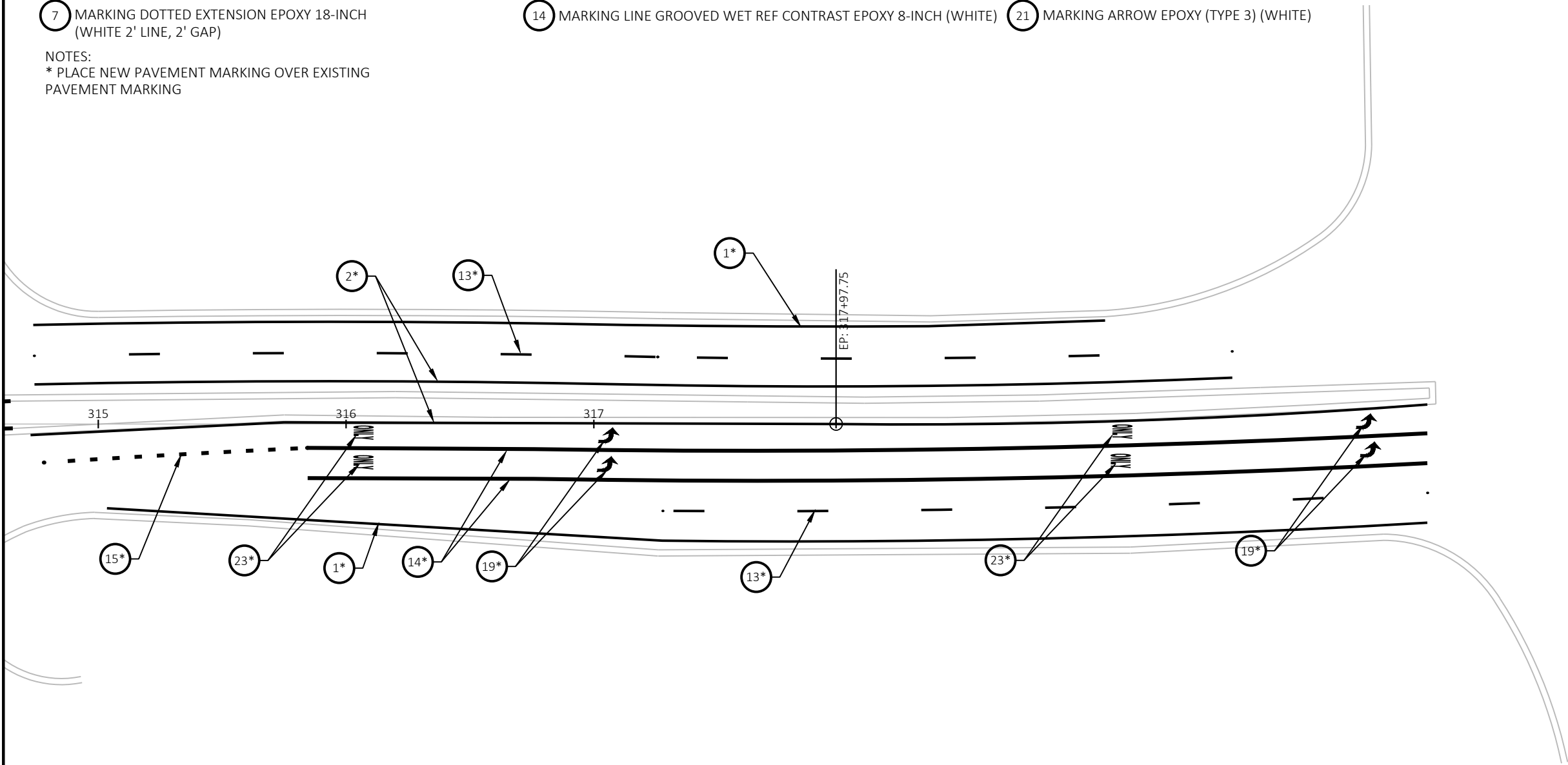
MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- 25

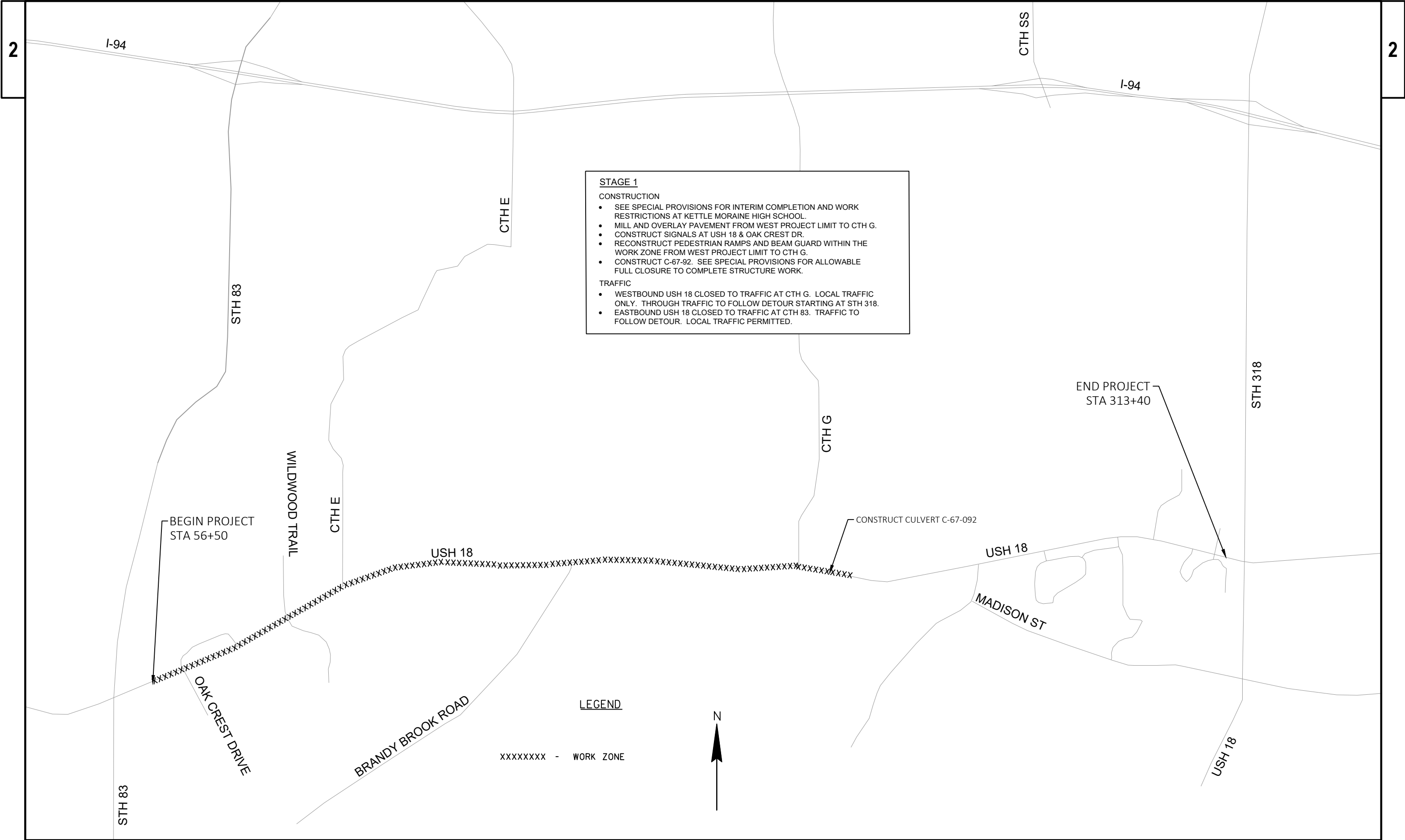
MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
- 26

MARKING ISLAND NOSE EPOXY (YELLOW)
- 27

MARKING CURB EPOXY (YELLOW)

NOTES:  
\* PLACE NEW PAVEMENT MARKING OVER EXISTING PAVEMENT MARKING





**STAGE 1**

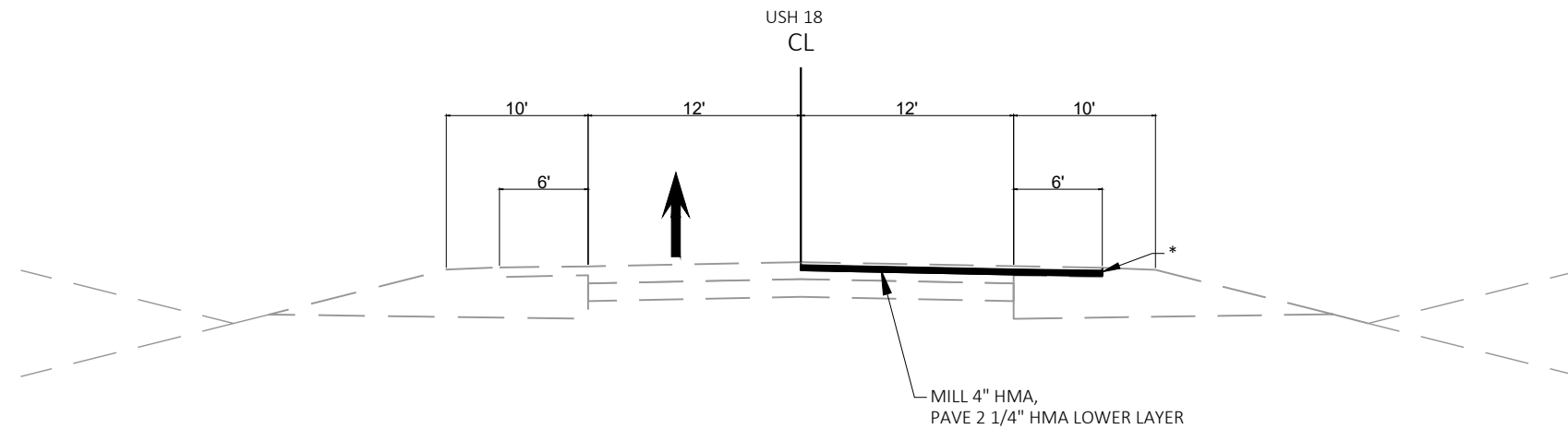
**CONSTRUCTION**

- SEE SPECIAL PROVISIONS FOR INTERIM COMPLETION AND WORK RESTRICTIONS AT KETTLE MORaine HIGH SCHOOL.
- MILL AND OVERLAY PAVEMENT FROM WEST PROJECT LIMIT TO CTH G.
- CONSTRUCT SIGNALS AT USH 18 & OAK CREST DR.
- RECONSTRUCT PEDESTRIAN RAMPS AND BEAM GUARD WITHIN THE WORK ZONE FROM WEST PROJECT LIMIT TO CTH G.
- CONSTRUCT C-67-92. SEE SPECIAL PROVISIONS FOR ALLOWABLE FULL CLOSURE TO COMPLETE STRUCTURE WORK.

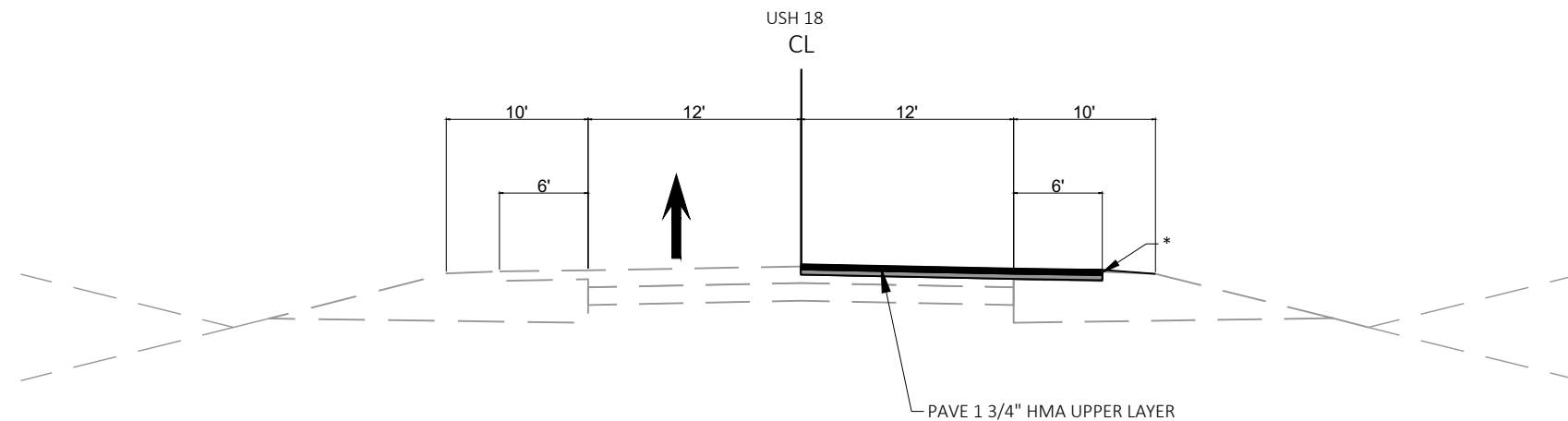
**TRAFFIC**

- WESTBOUND USH 18 CLOSED TO TRAFFIC AT CTH G. LOCAL TRAFFIC ONLY. THROUGH TRAFFIC TO FOLLOW DETOUR STARTING AT STH 318.
- EASTBOUND USH 18 CLOSED TO TRAFFIC AT CTH 83. TRAFFIC TO FOLLOW DETOUR. LOCAL TRAFFIC PERMITTED.

|                        |             |                  |                                    |       |   |
|------------------------|-------------|------------------|------------------------------------|-------|---|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | TRAFFIC CONTROL - OVERVIEW STAGE 1 | SHEET | E |
|------------------------|-------------|------------------|------------------------------------|-------|---|

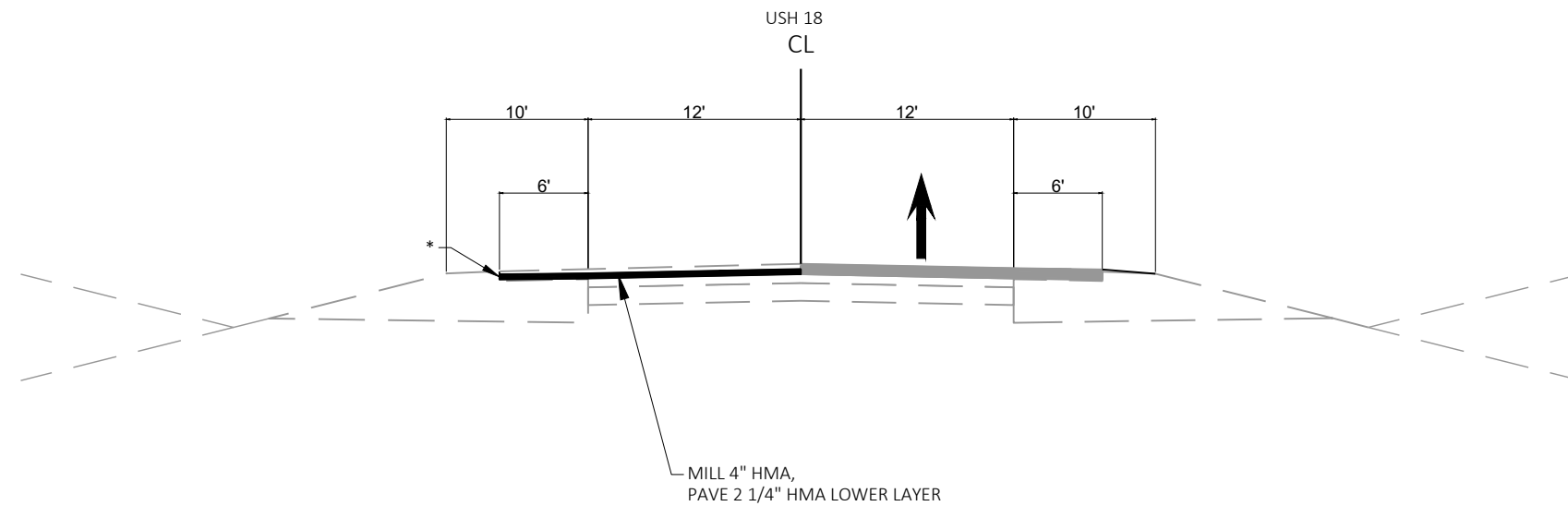


TRAFFIC CONTROL FOR FLAGGING OPERATIONS  
ASPHALT MILLING AND PAVING DETAIL  
STAGE 1 - USH 18 (WESTBOUND)

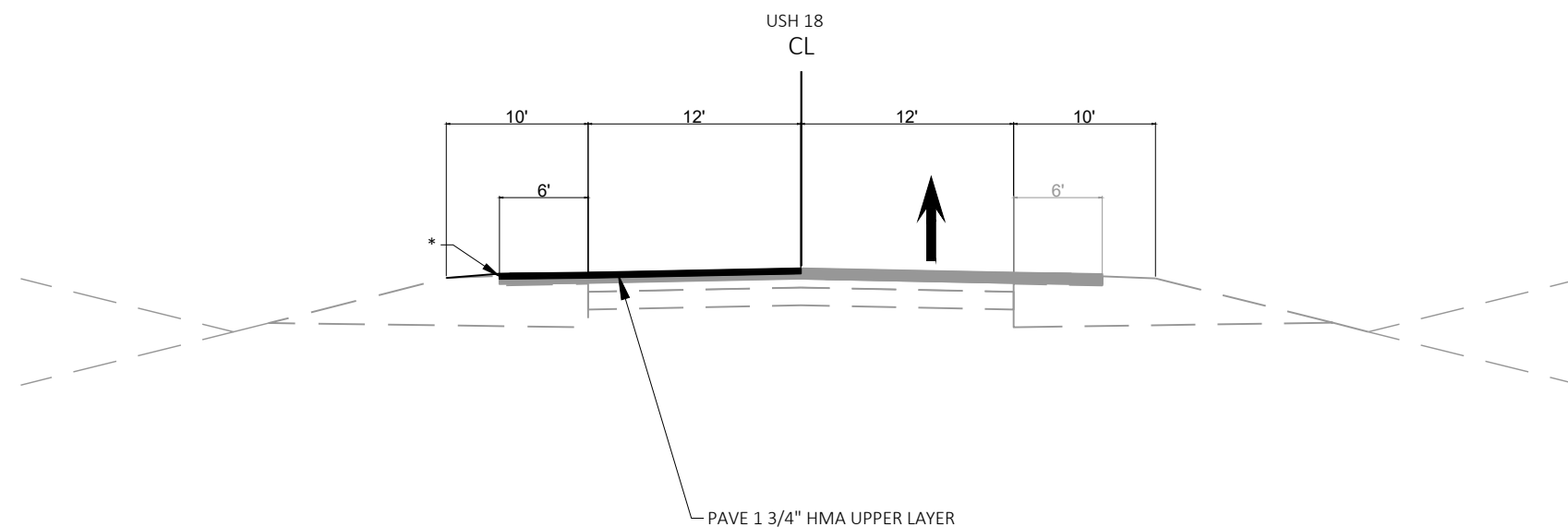


TRAFFIC CONTROL FOR FLAGGING OPERATIONS  
ASPHALT MILLING AND PAVING DETAIL  
STAGE 1 - USH 18 (WESTBOUND)

**NOTES:**  
\*GRADE AND SHAPE AGGREGATE SHOULDER  
BEFORE REOPENING LANE TO TRAFFIC.  
INCIDENTAL TO ITEM SHAPING SHOULDERS



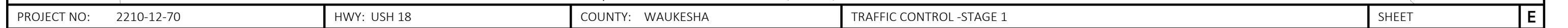
TRAFFIC CONTROL FOR FLAGGING OPERATIONS  
ASPHALT MILLING AND PAVING DETAIL  
STAGE 1 - USH 18 (EASTBOUND)

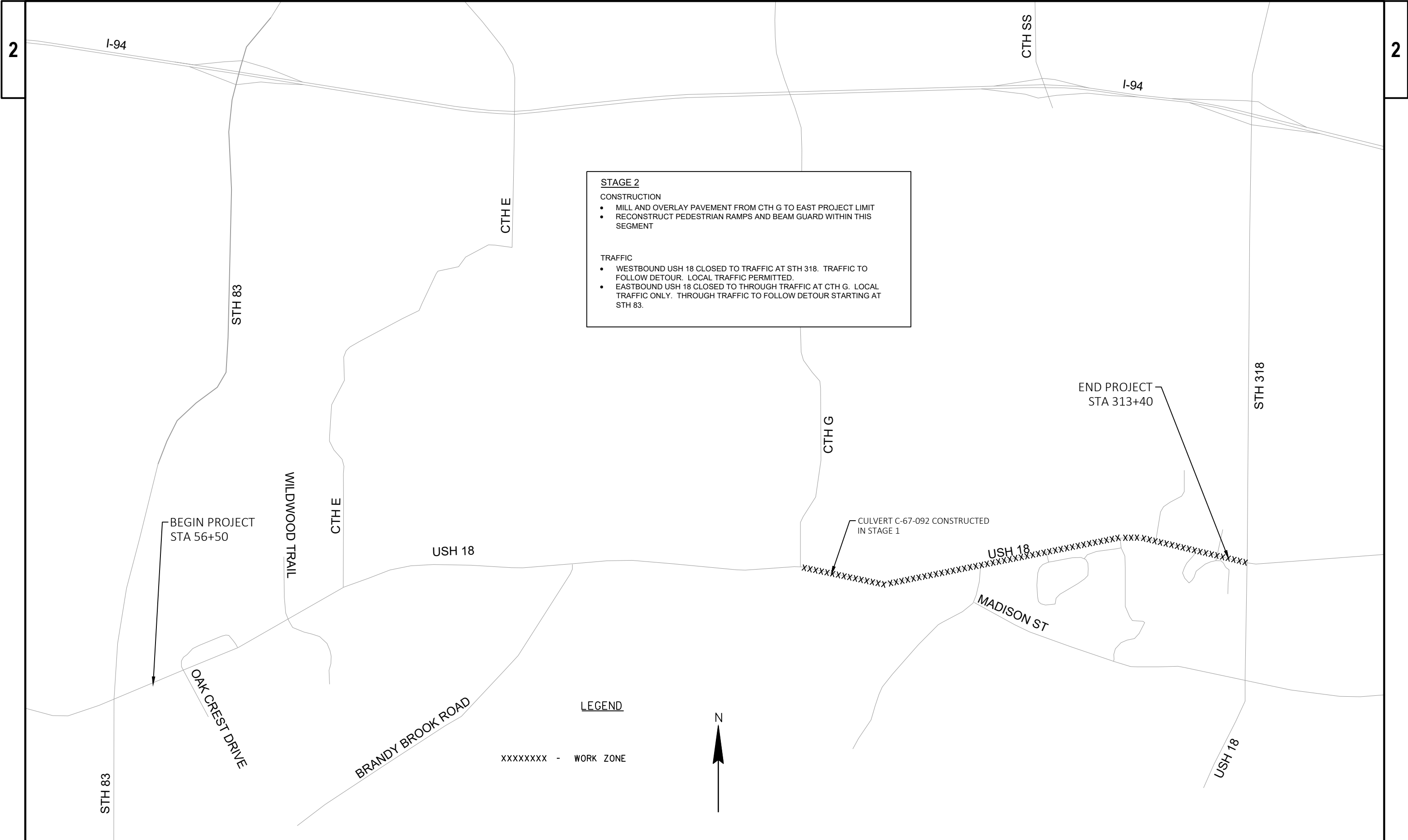


TRAFFIC CONTROL FOR FLAGGING OPERATIONS  
ASPHALT MILLING AND PAVING DETAIL  
STAGE 1 - USH 18 (EASTBOUND)

**NOTES:**  
\*GRADE AND SHAPE AGGREGATE SHOULDER  
BEFORE REOPENING LANE TO TRAFFIC.  
INCIDENTAL TO ITEM SHAPING SHOULDERS







**STAGE 2**

**CONSTRUCTION**

- MILL AND OVERLAY PAVEMENT FROM CTH G TO EAST PROJECT LIMIT
- RECONSTRUCT PEDESTRIAN RAMPS AND BEAM GUARD WITHIN THIS SEGMENT

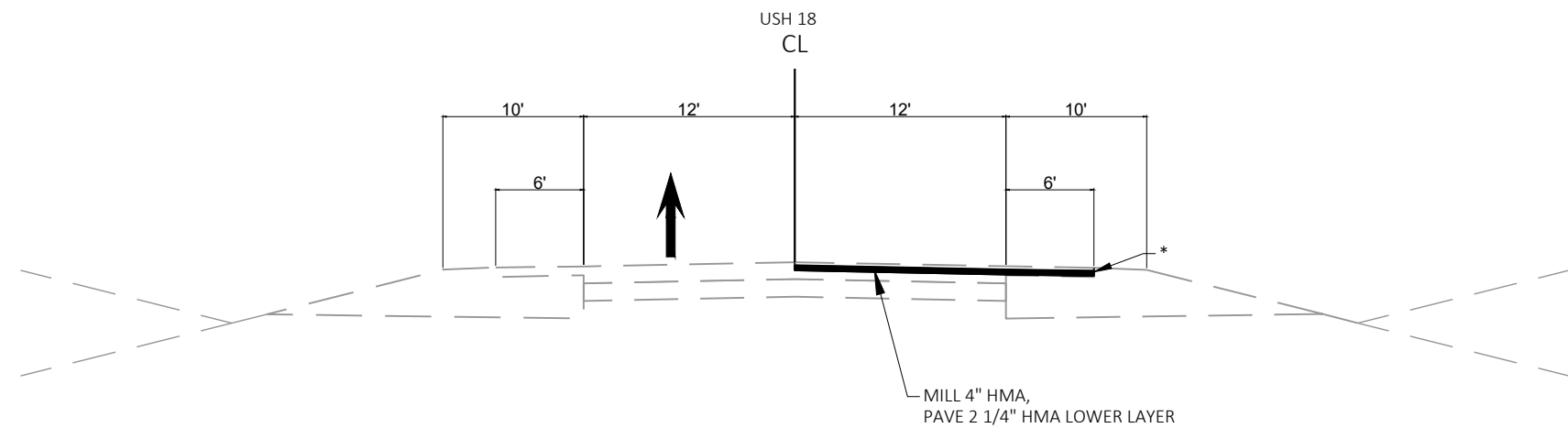
**TRAFFIC**

- WESTBOUND USH 18 CLOSED TO TRAFFIC AT STH 318. TRAFFIC TO FOLLOW DETOUR. LOCAL TRAFFIC PERMITTED.
- EASTBOUND USH 18 CLOSED TO THROUGH TRAFFIC AT CTH G. LOCAL TRAFFIC ONLY. THROUGH TRAFFIC TO FOLLOW DETOUR STARTING AT STH 83.

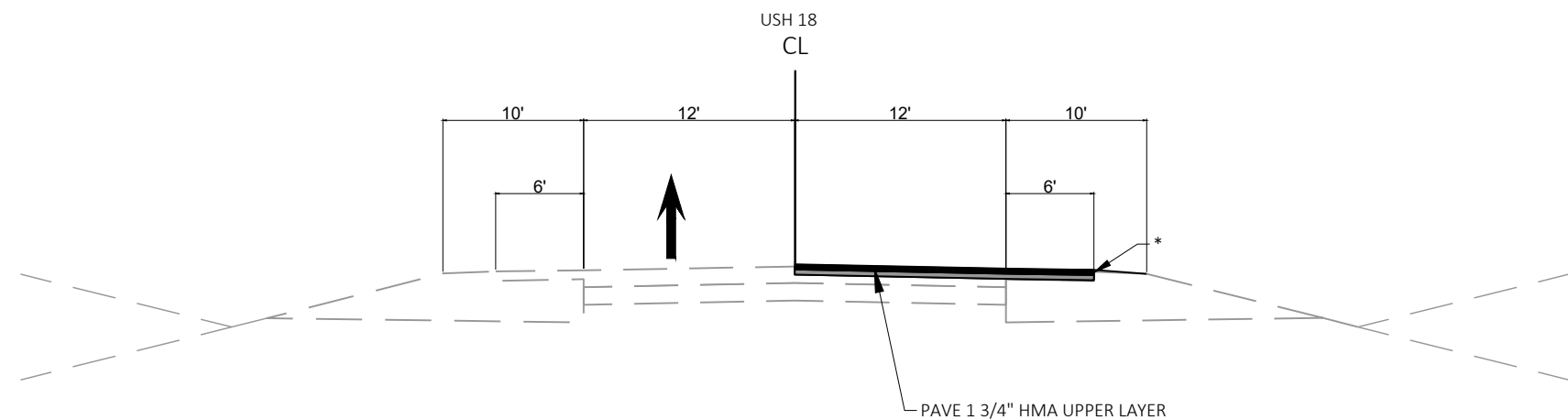
**LEGEND**

xxxxxxx - WORK ZONE



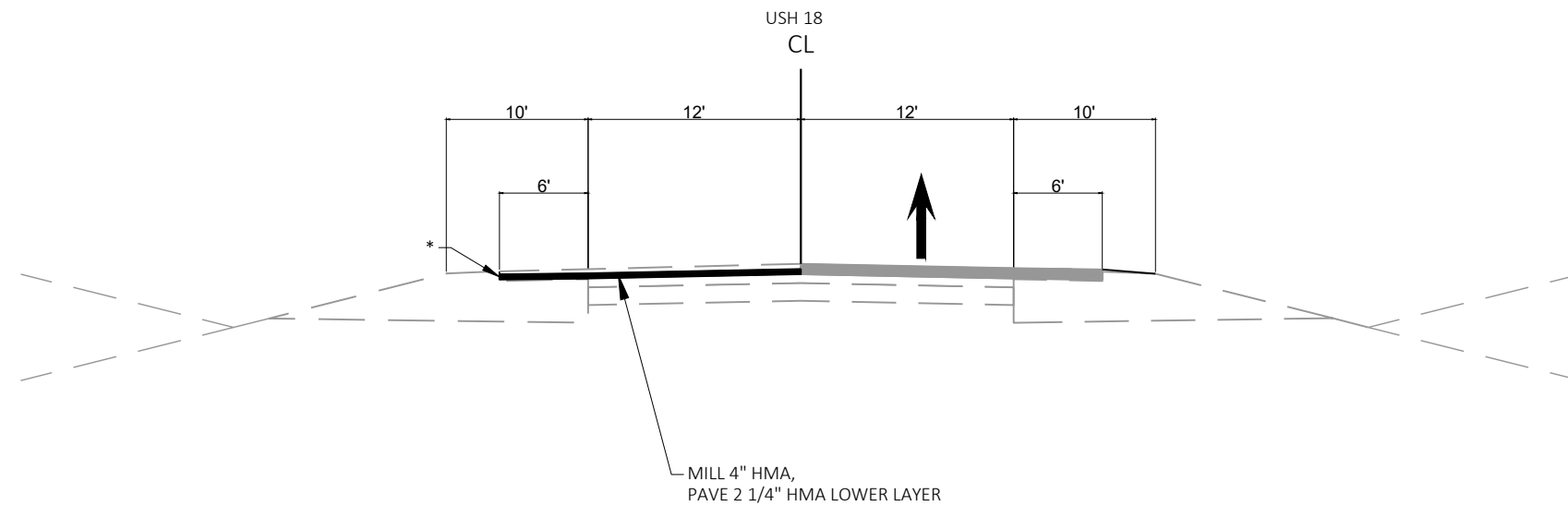


TRAFFIC CONTROL FOR FLAGGING OPERATIONS  
ASPHALT MILLING AND PAVING DETAIL  
STAGE 2 - USH 18 (WESTBOUND)

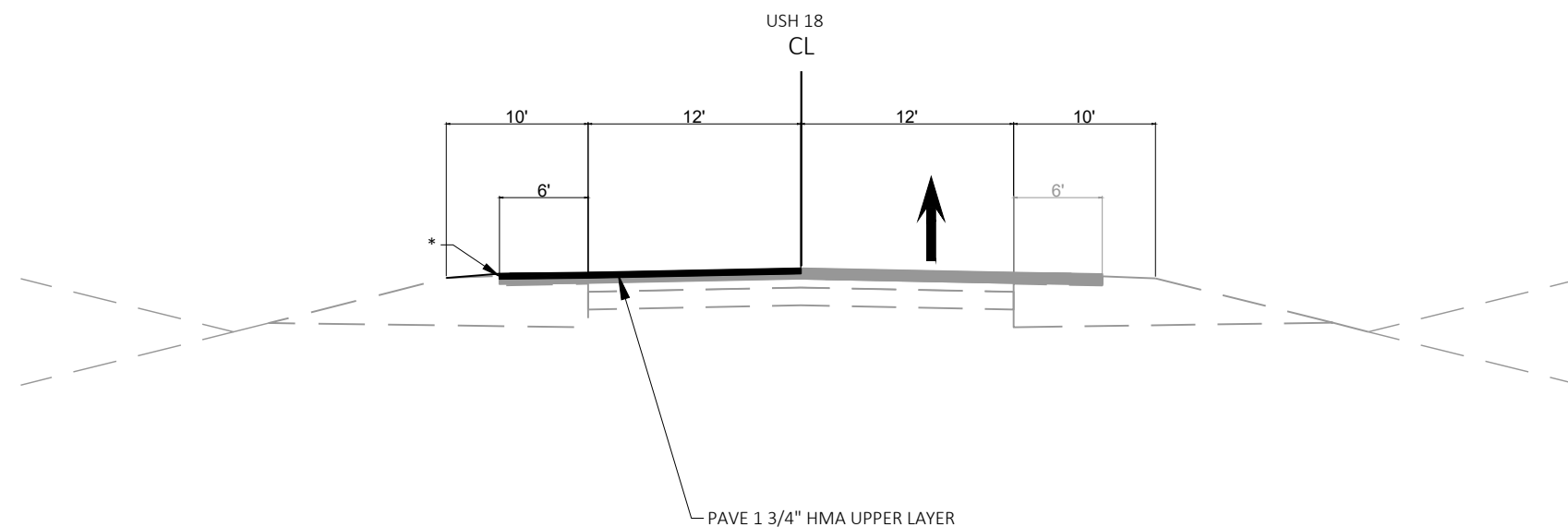


TRAFFIC CONTROL FOR FLAGGING OPERATIONS  
ASPHALT MILLING AND PAVING DETAIL  
STAGE 2 - USH 18 (WESTBOUND)

**NOTES:**  
\*GRADE AND SHAPE AGGREGATE SHOULDER  
BEFORE REOPENING LANE TO TRAFFIC.  
INCIDENTAL TO ITEM SHAPING SHOULDERS

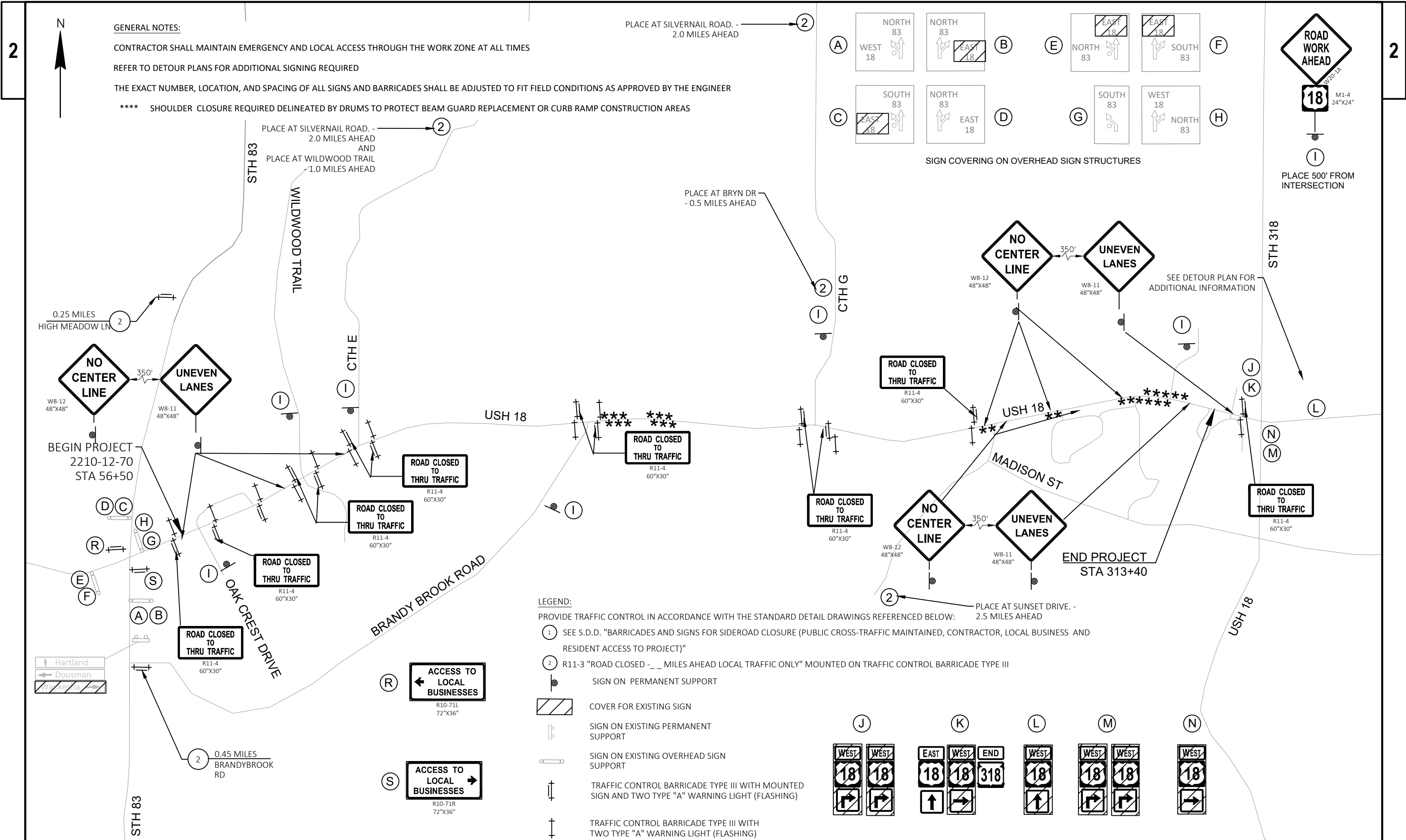


TRAFFIC CONTROL FOR FLAGGING OPERATIONS  
ASPHALT MILLING AND PAVING DETAIL  
STAGE 2 - USH 18 (EASTBOUND)



TRAFFIC CONTROL FOR FLAGGING OPERATIONS  
ASPHALT MILLING AND PAVING DETAIL  
STAGE 2 - USH 18 (EASTBOUND)

**NOTES:**  
\*GRADE AND SHAPE AGGREGATE SHOULDER  
BEFORE REOPENING LANE TO TRAFFIC.  
INCIDENTAL TO ITEM SHAPING SHOULDERS



GENERAL NOTES:

CONTRACTOR SHALL MAINTAIN EMERGENCY AND LOCAL ACCESS THROUGH THE WORK ZONE AT ALL TIMES

REFER TO DETOUR PLANS FOR ADDITIONAL SIGNING REQUIRED

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER

\*\*\*\* SHOULDER CLOSURE REQUIRED DELINEATED BY DRUMS TO PROTECT BEAM GUARD REPLACEMENT OR CURB RAMP CONSTRUCTION AREAS

PLACE AT SILVERNAIL ROAD. - 2.0 MILES AHEAD

PLACE AT SILVERNAIL ROAD. - 2.0 MILES AHEAD AND  
PLACE AT WILDWOOD TRAIL - 1.0 MILES AHEAD

PLACE AT BRYN DR - 0.5 MILES AHEAD

SIGN COVERING ON OVERHEAD SIGN STRUCTURES

PLACE 500' FROM INTERSECTION

LEGEND:

PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE STANDARD DETAIL DRAWINGS REFERENCED BELOW:

① SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURE (PUBLIC CROSS-TRAFFIC MAINTAINED, CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)"

② R11-3 "ROAD CLOSED - \_\_ MILES AHEAD LOCAL TRAFFIC ONLY" MOUNTED ON TRAFFIC CONTROL BARRICADE TYPE III

● SIGN ON PERMANENT SUPPORT

▨ COVER FOR EXISTING SIGN

⌋ SIGN ON EXISTING PERMANENT SUPPORT

⌋ SIGN ON EXISTING OVERHEAD SIGN SUPPORT

⌋ TRAFFIC CONTROL BARRICADE TYPE III WITH MOUNTED SIGN AND TWO TYPE "A" WARNING LIGHT (FLASHING)

⌋ TRAFFIC CONTROL BARRICADE TYPE III WITH TWO TYPE "A" WARNING LIGHT (FLASHING)

PROJECT NO: 2210-12-70

HWY: USH 18

COUNTY: WAUKESHA

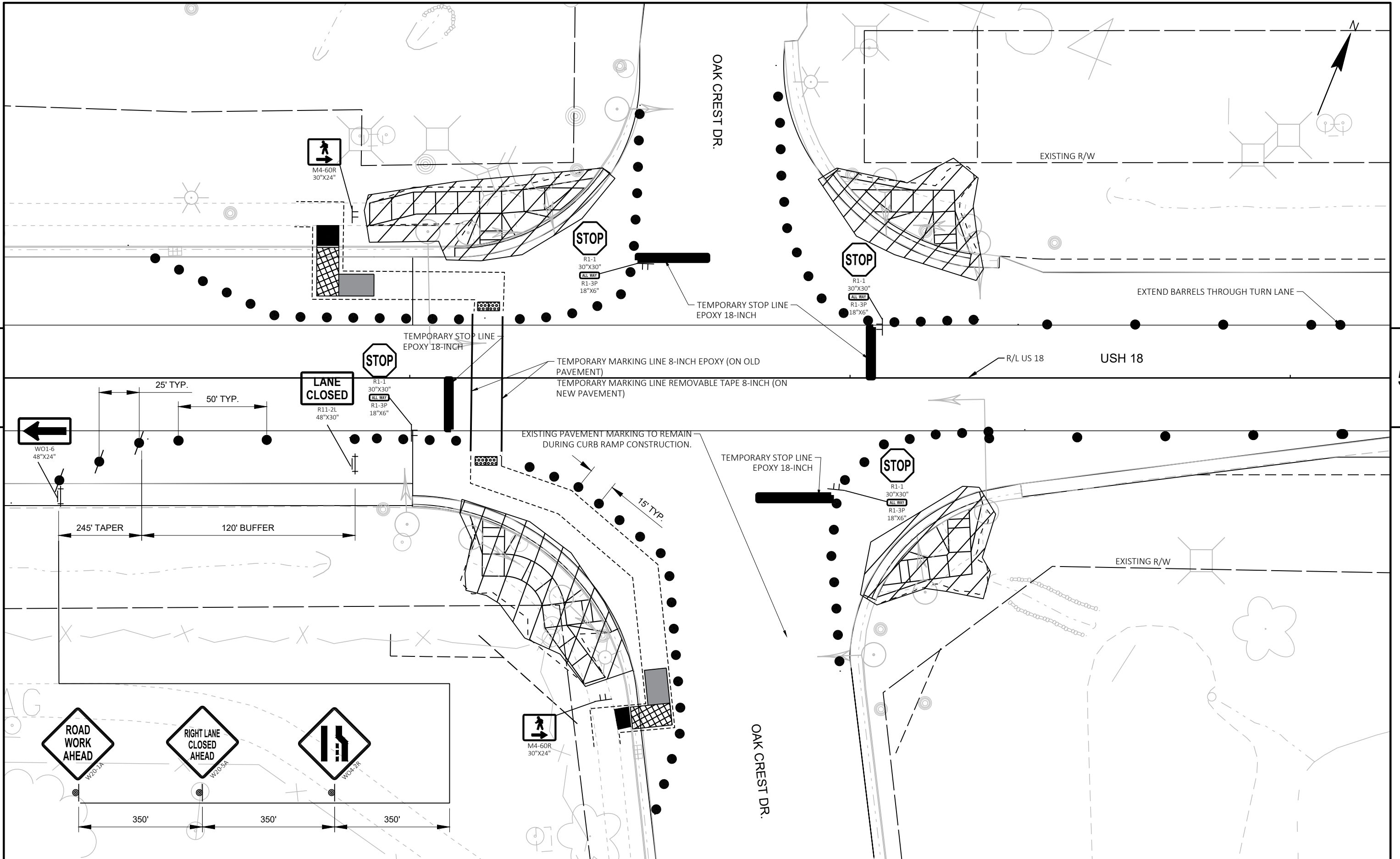
TRAFFIC CONTROL -STAGE 2

SHEET

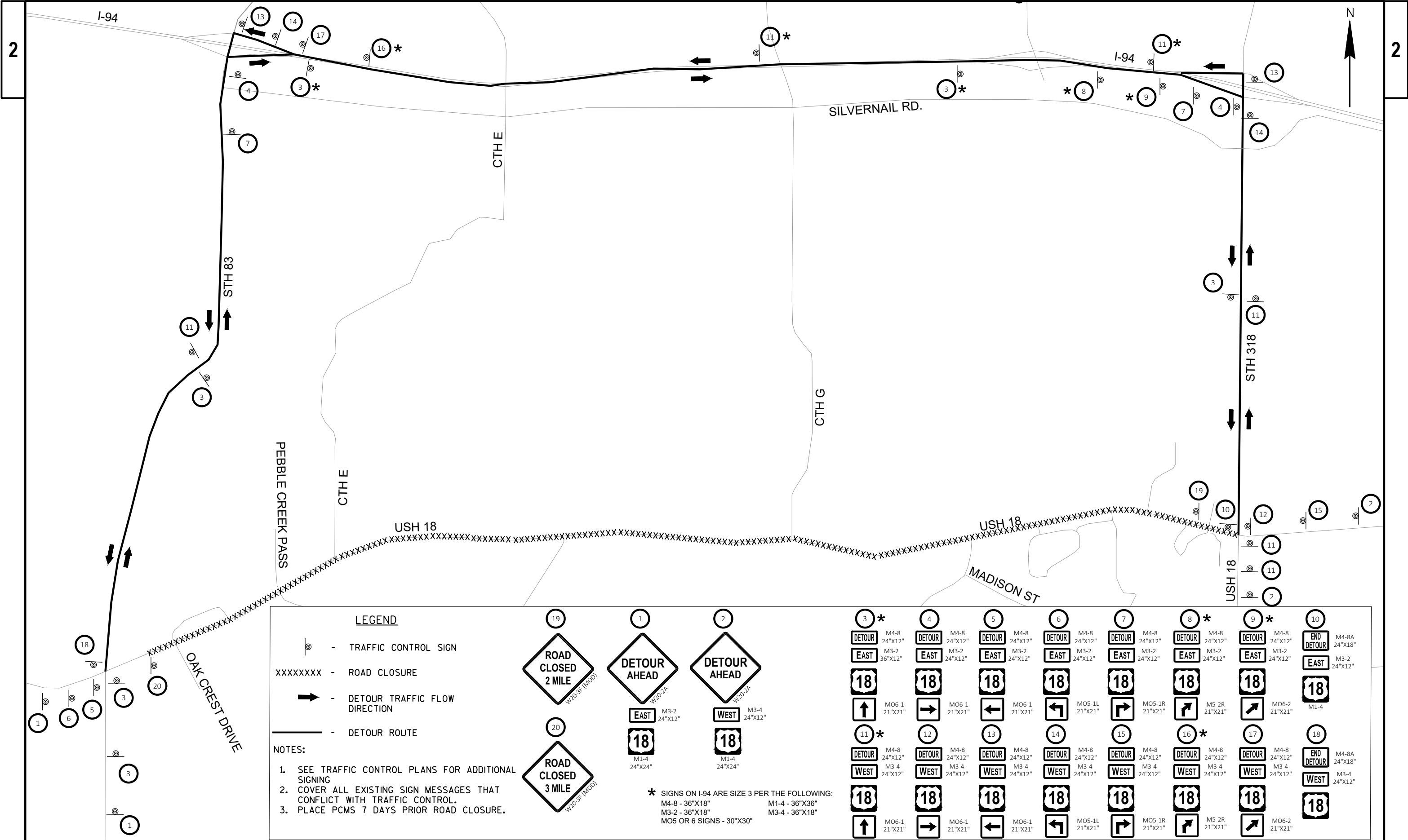
E

| LEGEND                                                                              |                                                           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------|
|  | PROPERTY LINE                                             |
|  | TEMPORARY PEDESTRIAN BARRICADE                            |
|  | TEMPORARY CURB RAMP (SEE SDD)                             |
|  | TEMPORARY CURB RAMP WITH PLYWOOD LANDING (SEE SDD)        |
|  | TEMPORARY ASPHALT WALK IN TERRACE                         |
|  | TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" LIGHTS |
|  | TYPE II BARRICADE WITH ATTACHED SIGN AND TYPE "A" LIGHT   |
|  | PORTABLE DETECTABLE WARNING FIELD                         |

- NOTES:
1. PROVIDE PEDESTRIAN SIGNAGE AND TEMPORARY DEVICES IN ACCORDANCE WITH SDD, "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" UNTIL ACCOMMODATIONS CAN BE PROVIDED VIA PERMANENT SIDEWALK PLACEMENT.
  2. TEMPORARY PEDESTRIAN ACCOMMODATIONS SHALL BE IN PLACE PRIOR TO NEW CURB RAMP AND SIGNAL WORK BEGINNING.
  3. CONSTRUCT CURB RAMPS DURING STAGE 1A OR STAGE 1B LANE CLOSURES
  4. COORDINATE CURB RAMP WORK WITH SIGNAL CONSTRUCTION
  5. ADDITIONAL LANE CLOSURES BEYOND WHAT IS SHOWN ON THE PLANS MUST BE APPROVED BY THE ENGINEER.
  6. SIDEWALK STAGING PLAN IS SUGGESTED SEQUENCE TO PERFORM WORK OPERATIONS WHILE MAINTAINING PEDESTRIAN ACCESS. SUBMIT, IN WRITING, ANY MODIFICATIONS TO THE ENGINEER A MINIMUM OF 5 DAYS PRIOR TO BEGINNING WORK.



|                        |             |                  |                           |         |
|------------------------|-------------|------------------|---------------------------|---------|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | TRAFFIC CONTROL - STAGE 1 | SHEET E |
|------------------------|-------------|------------------|---------------------------|---------|



**LEGEND**

- TRAFFIC CONTROL SIGN
- xxxxxxx - ROAD CLOSURE
- DETOUR TRAFFIC FLOW DIRECTION
- DETOUR ROUTE

**NOTES:**

- SEE TRAFFIC CONTROL PLANS FOR ADDITIONAL SIGNING
- COVER ALL EXISTING SIGN MESSAGES THAT CONFLICT WITH TRAFFIC CONTROL.
- PLACE PCMS 7 DAYS PRIOR ROAD CLOSURE.

W20-3F (MOD)

W20-3F (MOD)

EAST M3-2 24"x12"

WEST M3-4 24"x12"

M1-4 24"x24"

M1-4 24"x24"

M4-8 24"x12"  
M3-2 36"x12"

M06-1 21"x21"

M4-8 24"x12"

M06-1 21"x21"

M4-8 24"x12"

M06-1 21"x21"

M4-8 24"x12"

M05-1L 21"x21"

M4-8 24"x12"

M05-1R 21"x21"

M4-8 24"x12"

M5-2R 21"x21"

M4-8 24"x12"

M06-2 21"x21"

M4-8A 24"x18"

M1-4 24"x12"

M4-8 24"x12"  
M3-2 24"x12"

M06-1 21"x21"

M4-8 24"x12"

M06-1 21"x21"

M4-8 24"x12"

M06-1 21"x21"

M4-8 24"x12"

M05-1L 21"x21"

M4-8 24"x12"

M05-1R 21"x21"

M4-8 24"x12"

M5-2R 21"x21"

M4-8 24"x12"

M06-2 21"x21"

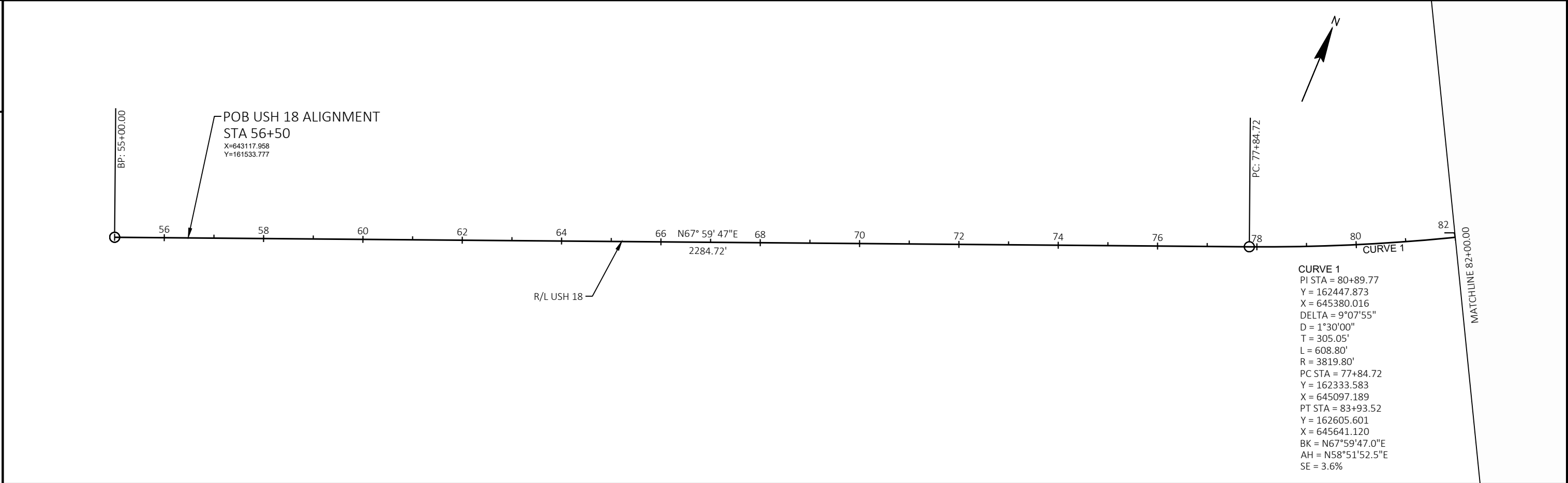
M4-8A 24"x18"

M3-4 24"x12"

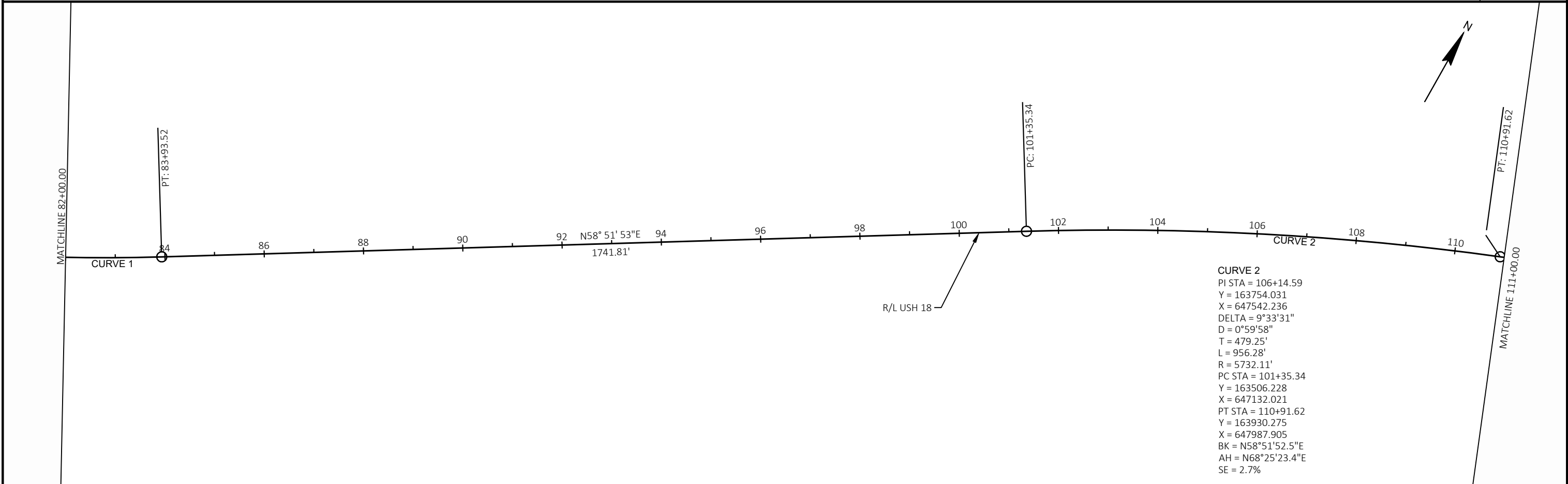
\* SIGNS ON I-94 ARE SIZE 3 PER THE FOLLOWING:  
M4-8 - 36"x18"      M1-4 - 36"x36"  
M3-2 - 36"x18"      M3-4 - 36"x18"  
M05 OR 6 SIGNS - 30"x30"



2



2



|             |            |
|-------------|------------|
| PROJECT NO: | 2210-12-70 |
|-------------|------------|

HWY: USH 18

COUNTY: WAUKESHA

ALIGNMENT DETAILS

SHEET

**E**

FILE NAME : N:\PDS\C3D\22101200\SHEETSPLAN\027201-AD.DWG  
LAYOUT NAME - 027201

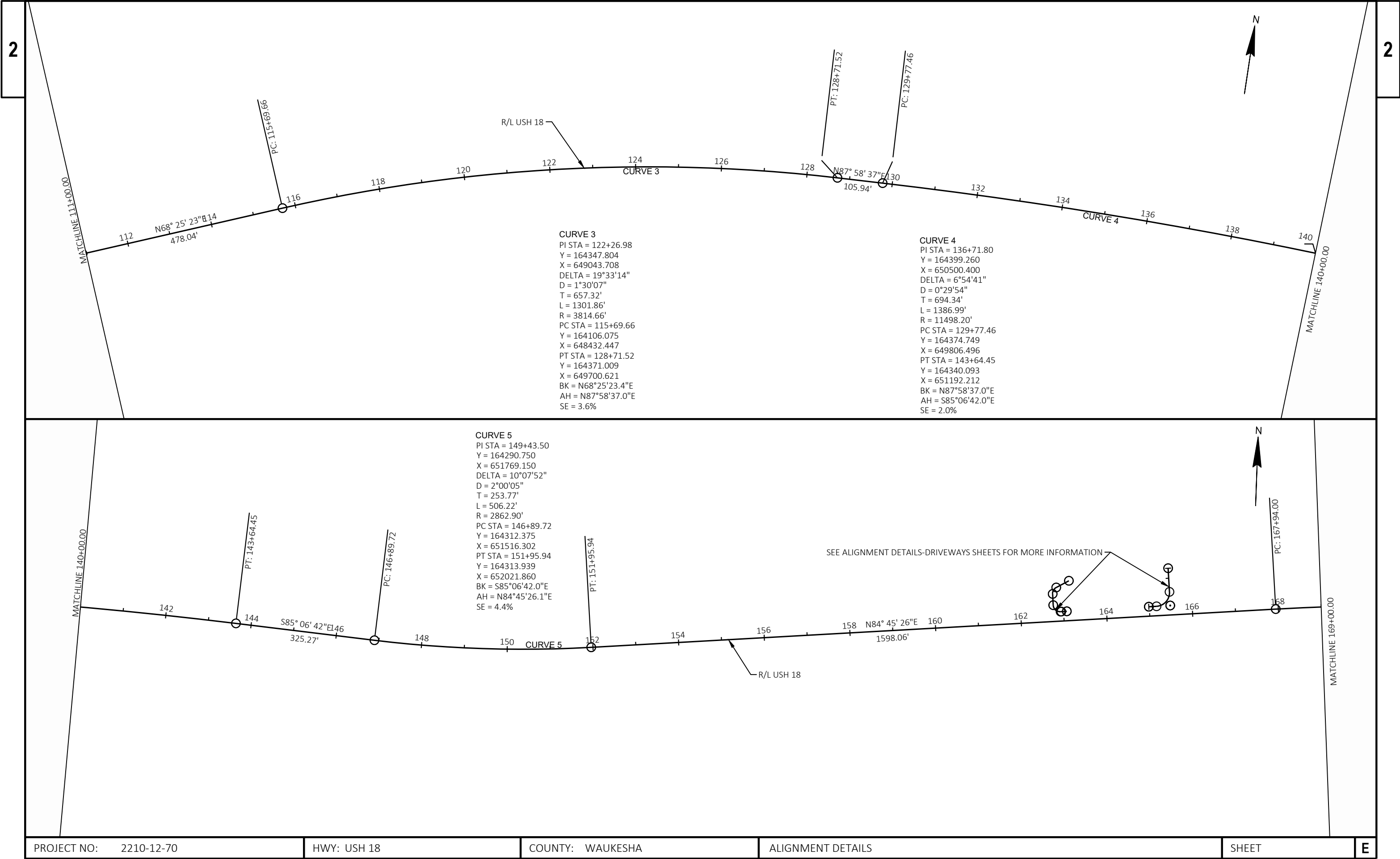
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PLOT BY : MOUNT, JOSHUA

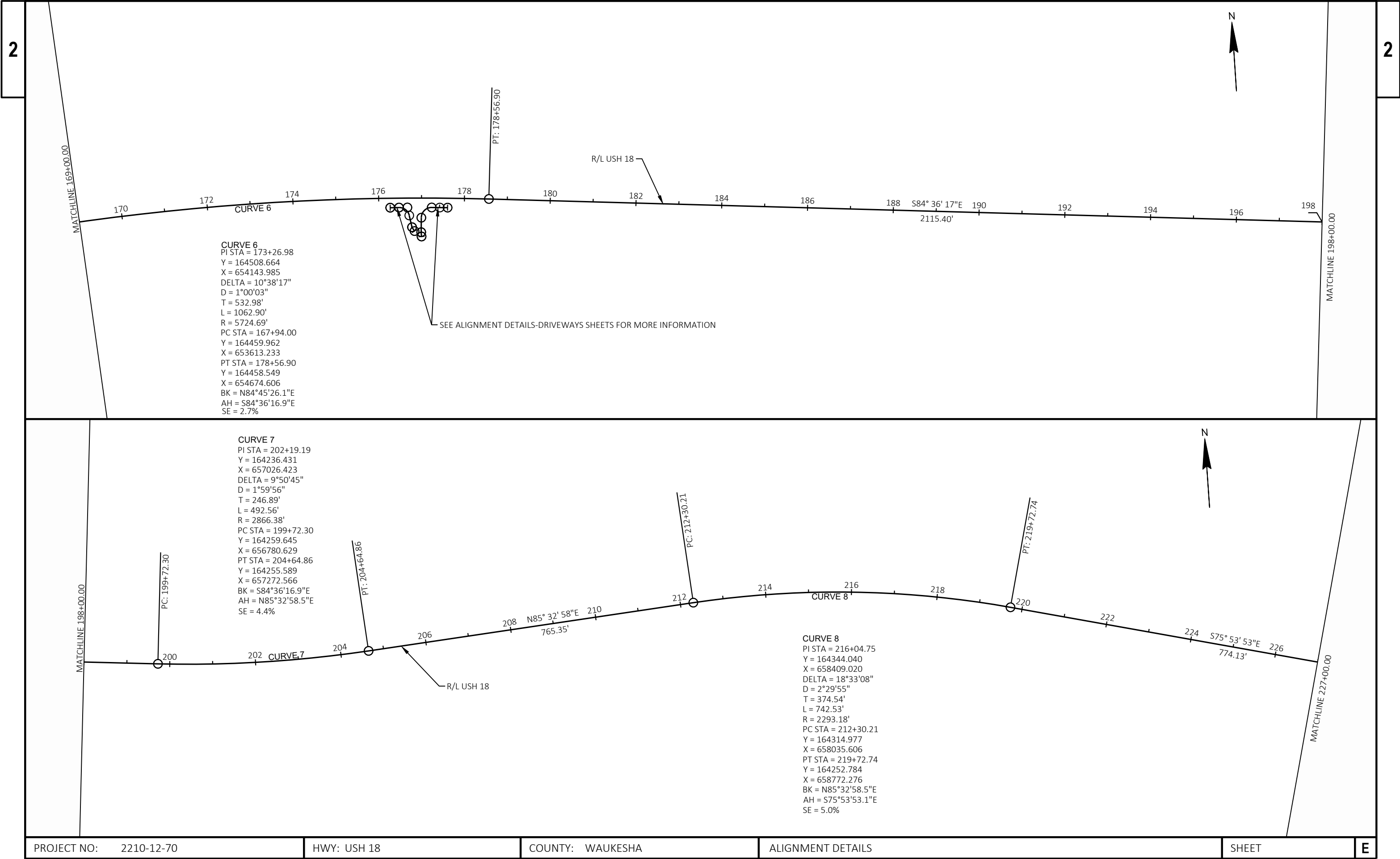
PLOT NAME :

PLOT SCALE : 1 IN:200 FT

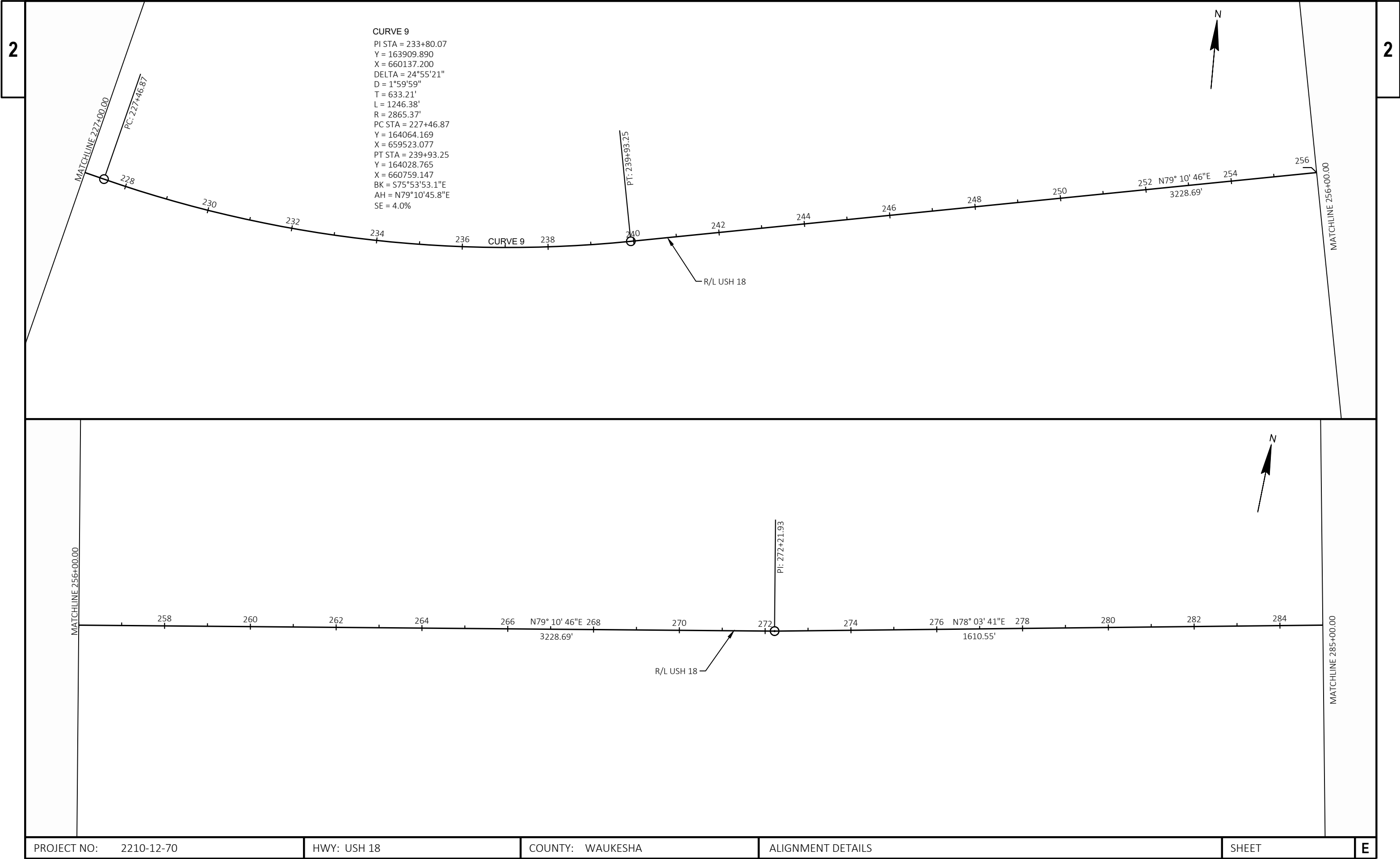
WISDOT/CADDS SHEET 44



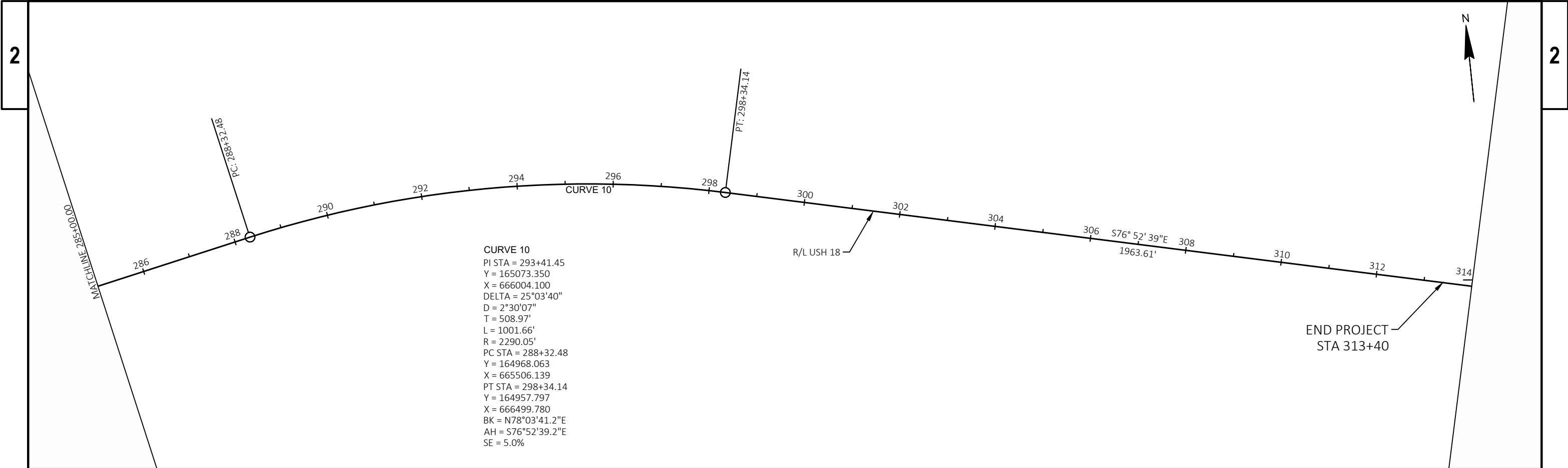


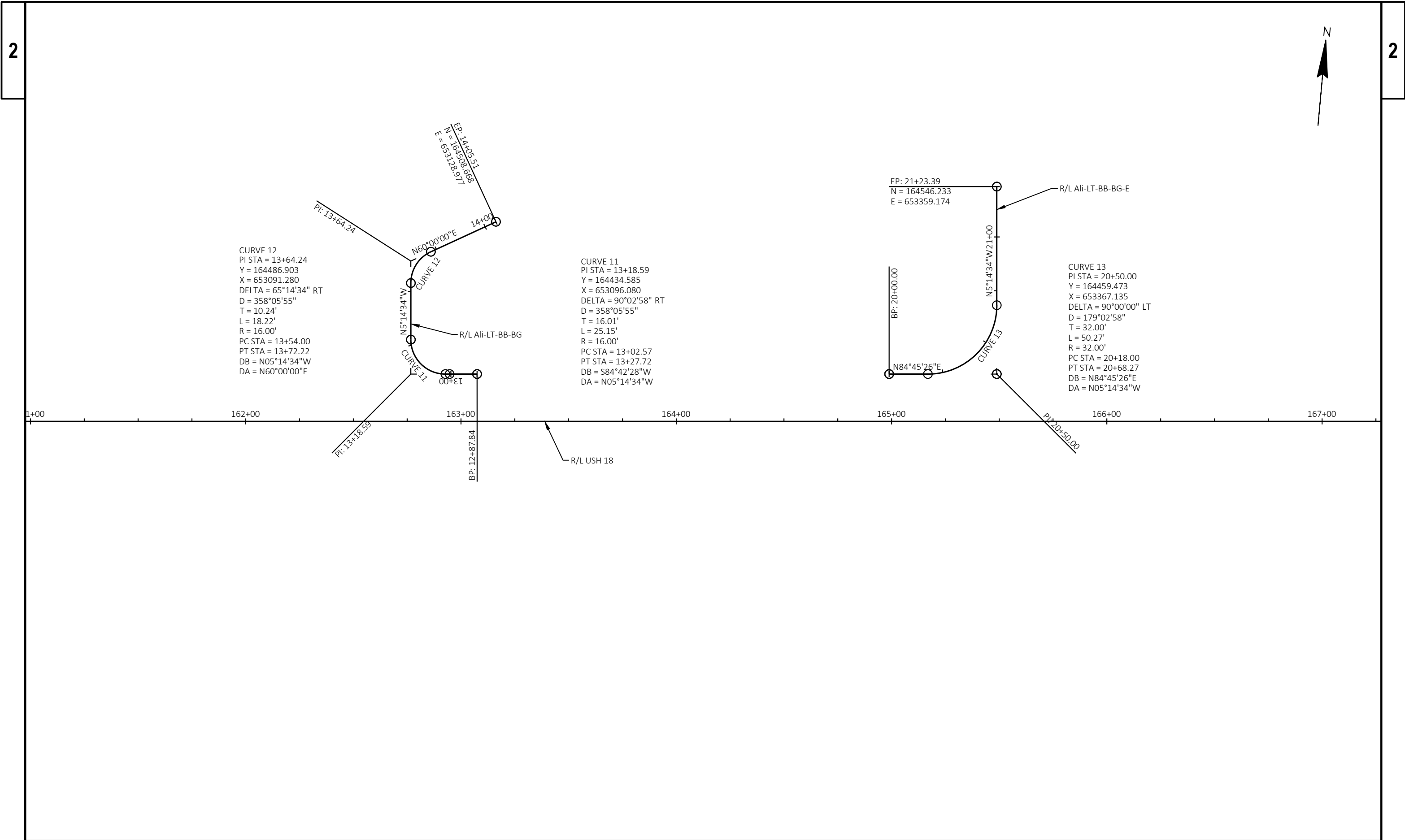


|                        |             |                  |                   |       |   |
|------------------------|-------------|------------------|-------------------|-------|---|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | ALIGNMENT DETAILS | SHEET | E |
|------------------------|-------------|------------------|-------------------|-------|---|

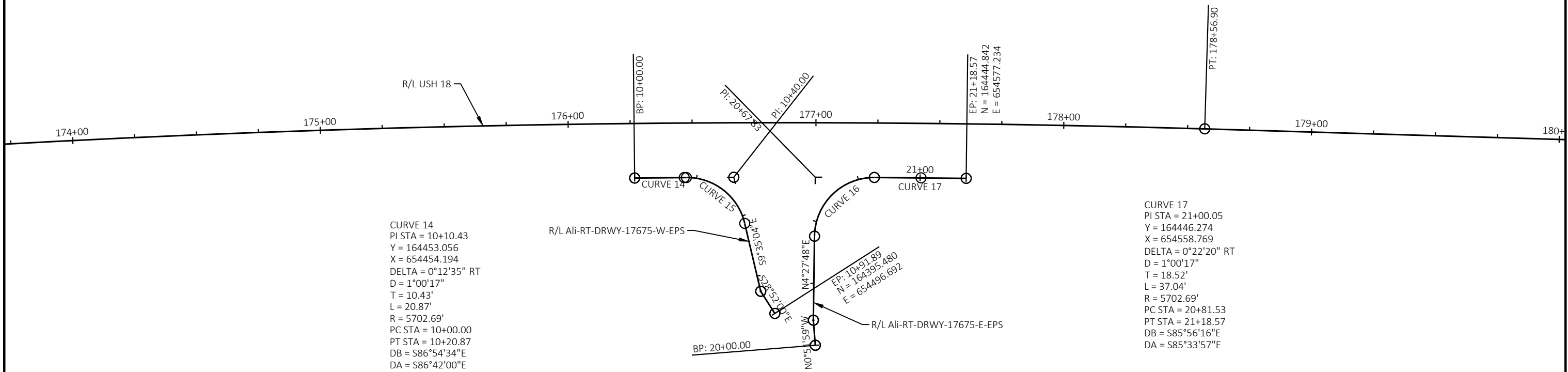


|                        |             |                  |                   |       |   |
|------------------------|-------------|------------------|-------------------|-------|---|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | ALIGNMENT DETAILS | SHEET | E |
|------------------------|-------------|------------------|-------------------|-------|---|





|                        |             |                  |                               |       |   |
|------------------------|-------------|------------------|-------------------------------|-------|---|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | ALIGNMENT DETAILS - DRIVEWAYS | SHEET | E |
|------------------------|-------------|------------------|-------------------------------|-------|---|

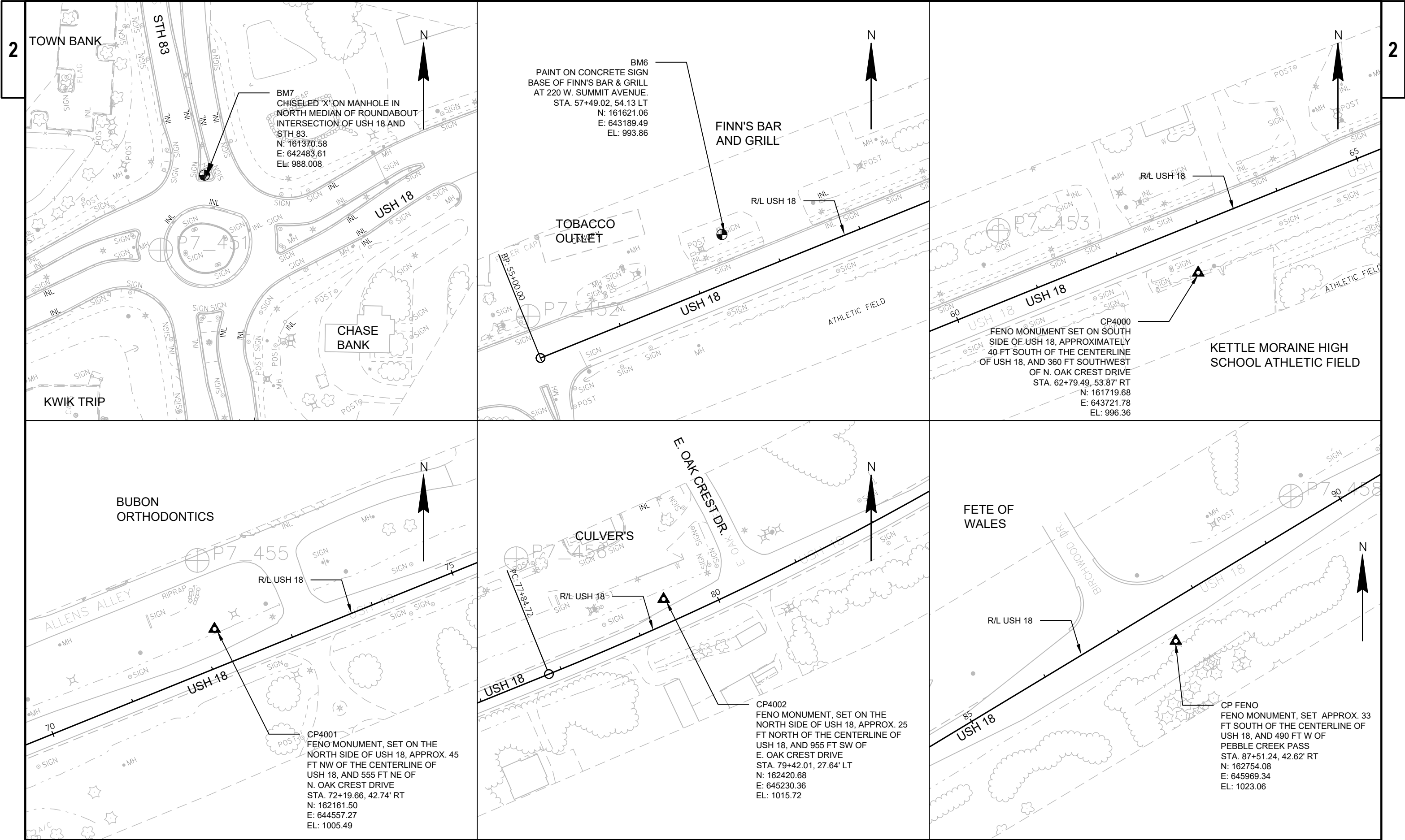


CURVE 14  
PI STA = 10+10.43  
Y = 164453.056  
X = 654454.194  
DELTA = 0°12'35" RT  
D = 1°00'17"  
T = 10.43'  
L = 20.87'  
R = 5702.69'  
PC STA = 10+00.00  
PT STA = 10+20.87  
DB = S86°54'34"E  
DA = S86°42'00"E

CURVE 15  
PI STA = 10+40.00  
Y = 164451.354  
X = 654483.710  
DELTA = 77°06'55" RT  
D = 238°43'57"  
T = 19.13'  
L = 32.30'  
R = 24.00'  
PC STA = 10+20.87  
PT STA = 10+53.17  
DB = S86°42'00"E  
DA = S09°35'04"E

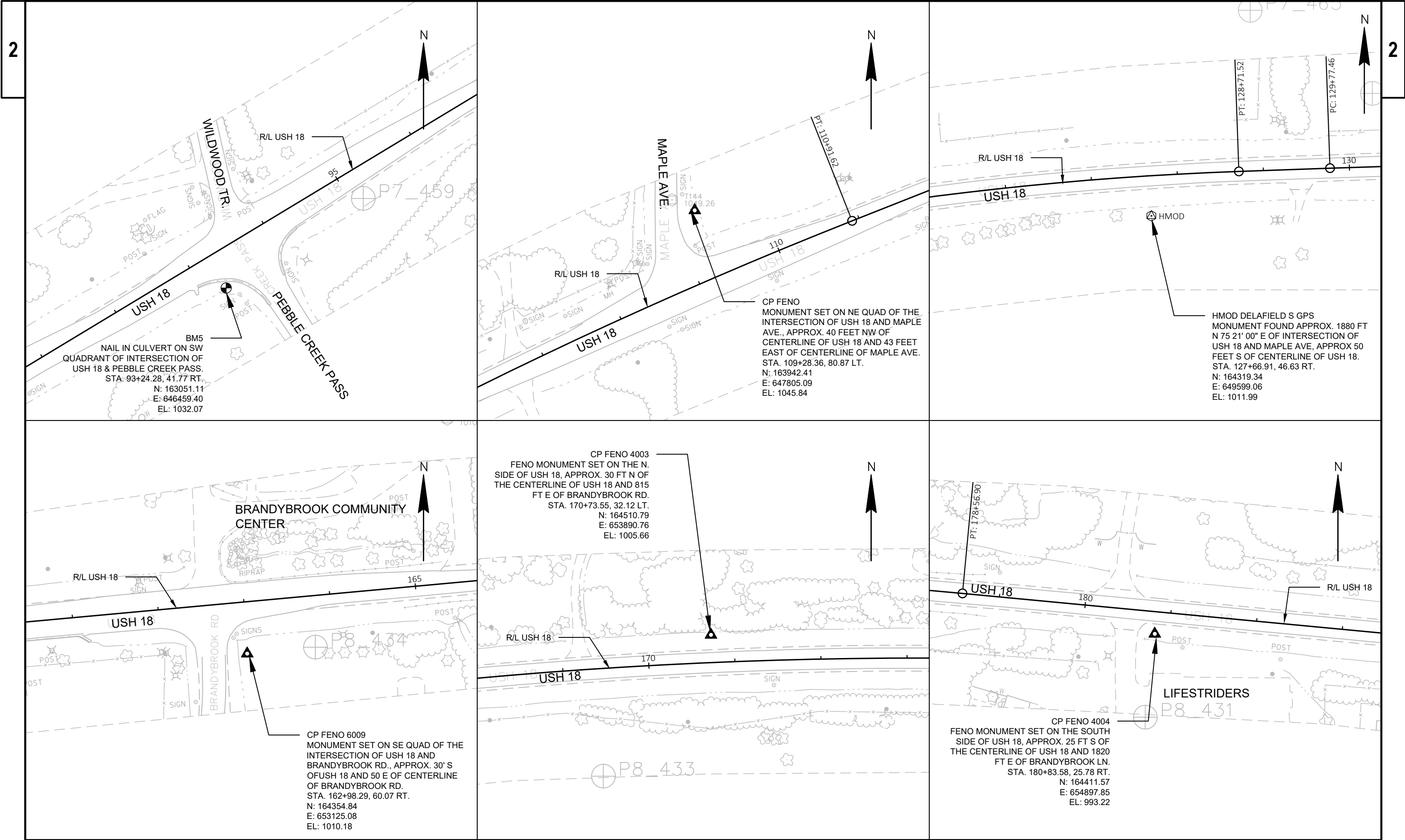
CURVE 16  
PI STA = 20+67.83  
Y = 164449.274  
X = 654516.523  
DELTA = 89°35'55" RT  
D = 238°43'57"  
T = 23.83'  
L = 37.53'  
R = 24.00'  
PC STA = 20+44.00  
PT STA = 20+81.53  
DB = N04°27'48"E  
DA = S85°56'16"E

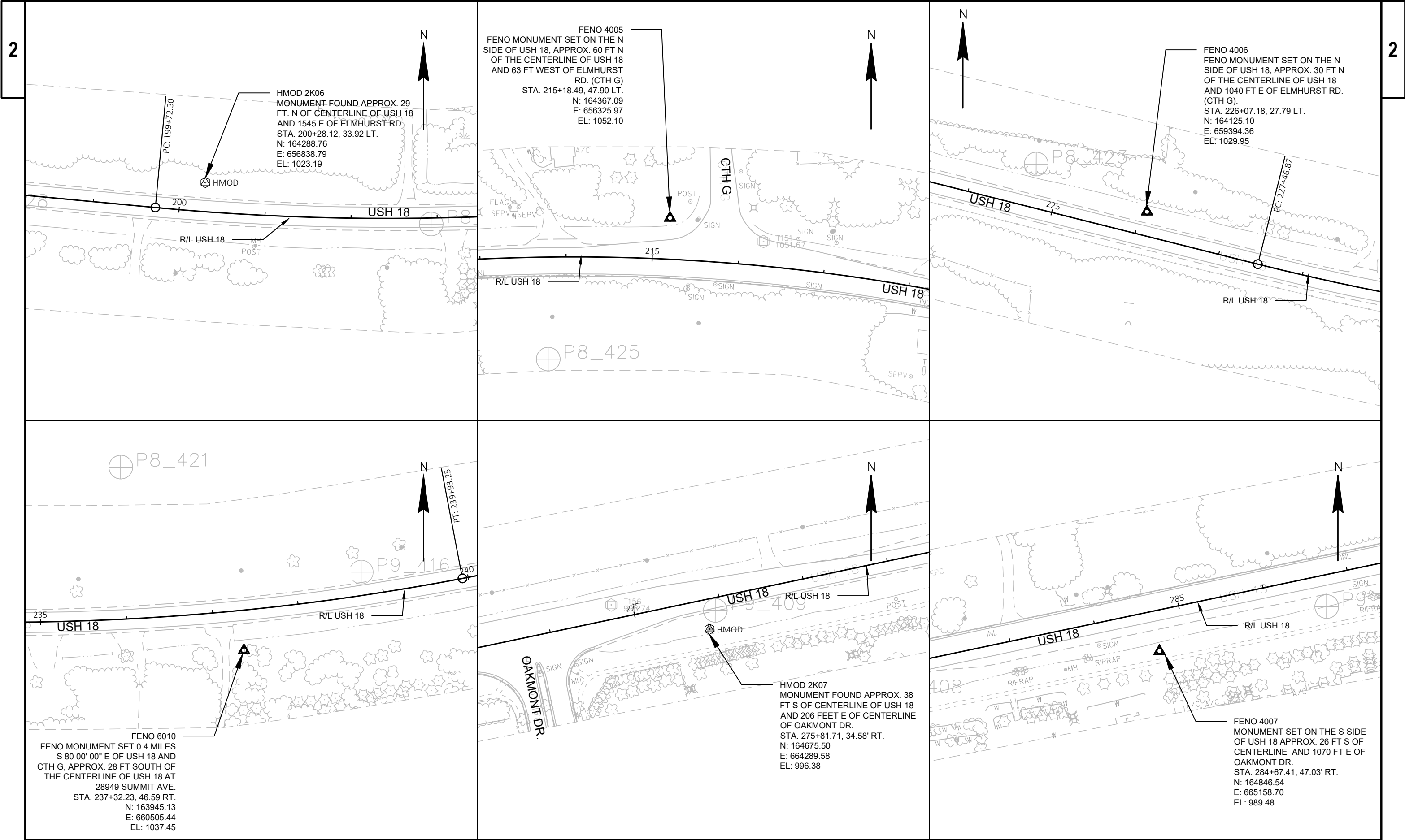
CURVE 17  
PI STA = 21+00.05  
Y = 164446.274  
X = 654558.769  
DELTA = 0°22'20" RT  
D = 1°00'17"  
T = 18.52'  
L = 37.04'  
R = 5702.69'  
PC STA = 20+81.53  
PT STA = 21+18.57  
DB = S85°56'16"E  
DA = S85°33'57"E



|                        |             |                  |                                 |       |   |
|------------------------|-------------|------------------|---------------------------------|-------|---|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | ALIGNMENT LAYOUT SURVEY CONTROL | SHEET | E |
|------------------------|-------------|------------------|---------------------------------|-------|---|







|                        |             |                  |                                 |         |
|------------------------|-------------|------------------|---------------------------------|---------|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | ALIGNMENT LAYOUT SURVEY CONTROL | SHEET E |
|------------------------|-------------|------------------|---------------------------------|---------|







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| DIVISION            | EROM/TO<br>STATION  | LOCATION                                  | 205.0100<br>COMMON EXCAVATION<br>(1) |                       | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL<br>(4) | AVAILABLE<br>MATERIAL<br>(5) | UNEXPANDED<br>FILL | EXPANDED EILL<br>(13) | MASS ORDINATE +/-<br>(14) | WASTE | 208.0100<br>BORROW | COMMENT             |
|---------------------|---------------------|-------------------------------------------|--------------------------------------|-----------------------|-----------------------------------------------|------------------------------|--------------------|-----------------------|---------------------------|-------|--------------------|---------------------|
|                     |                     |                                           | CUT<br>(2)                           | EBS EXCAVATION<br>(3) |                                               |                              |                    | EACTOR<br>1.25        |                           |       |                    |                     |
| DIVISION 1          |                     |                                           |                                      |                       |                                               |                              |                    |                       |                           |       |                    |                     |
|                     | 163+00.00/165+00.00 | US 18                                     | 112                                  | 0                     | 0                                             | 112                          | 36                 | 45                    | 67                        | 67    | 0                  | MGS GRADING         |
|                     | 165+00.73/167+23.50 | US 18                                     | 98                                   | 0                     | 0                                             | 98                           | 7                  | 9                     | 89                        | 89    | 0                  | MGS GRADING         |
|                     | 13+00.56/14+00.00   | DRIVEWAY AT US 18 STA 162+50              | 0                                    | 0                     | 0                                             | 0                            | 0                  | 0                     | 13                        | 13    | 0                  | MGS GRADING         |
|                     | 20+18.00/21+16.39   | DRIVEWAY AT US 18 STA 165+50              | 7                                    | 0                     | 0                                             | 7                            | 13                 | 16                    | -9                        | 0     | 9                  | MGS GRADING         |
| DIVISION 1 SUBTOTAL |                     |                                           | 217                                  | 0                     | 0                                             | 217                          | 56                 | 70                    | 160                       | 169   | 9                  |                     |
| DIVISION 2          |                     |                                           |                                      |                       |                                               |                              |                    |                       |                           |       |                    |                     |
|                     | 173+25.45/180+00.00 | US 18                                     | 243                                  | 0                     | 0                                             | 243                          | 187                | 234                   | 9                         | 9     | 0                  | MGS GRADING         |
|                     | 180+00.66/180+90.00 | US 18                                     | 27                                   | 0                     | 0                                             | 27                           | 7                  | 9                     | 18                        | 18    | 0                  | MGS GRADING         |
|                     | 10+20.87/10+91.88   | DRIVEWAY AT US 18 STA 176+75<br>WEST SIDE | 3                                    | 0                     | 0                                             | 3                            | 25                 | 31                    | -28                       | 0     | 28                 | MGS GRADING         |
|                     | 20+02.09/20+81.53   | DRIVEWAY AT US 18 STA 176+75<br>EAST SIDE | 0                                    | 0                     | 0                                             | 0                            | 93                 | 116                   | -116                      | 0     | 116                | MGS GRADING         |
| DIVISION 2 SUBTOTAL |                     |                                           | 273                                  | 0                     | 0                                             | 273                          | 312                | 390                   | -117                      | 28    | 145                |                     |
| DIVISION 3          |                     |                                           |                                      |                       |                                               |                              |                    |                       |                           |       |                    |                     |
|                     | 220+75.88/225+00.00 | US 18                                     | 205                                  | 0                     | 0                                             | 205                          | 217                | 271                   | -66                       | 0     | 66                 | MGS AND CATTLE PASS |
|                     | 225+00.00/234+50.00 | US 18                                     | 253                                  | 0                     | 0                                             | 253                          | 87                 | 109                   | 144                       | 144   | 0                  | MGS GRADING         |
| DIVISION 3 SUBTOTAL |                     |                                           | 458                                  | 0                     | 0                                             | 458                          | 304                | 380                   | 78                        | 144   | 66                 |                     |
| DIVISION 4          |                     |                                           |                                      |                       |                                               |                              |                    |                       |                           |       |                    |                     |
|                     | 291+75.00/299+85.00 | US 18                                     | 297                                  | 0                     | 0                                             | 297                          | 390                | 488                   | -191                      | 0     | 191                | MGS GRADING         |
| DIVISION 4 SUBTOTAL |                     |                                           | 297                                  | 0                     | 0                                             | 297                          | 390                | 488                   | -191                      | 0     | 191                |                     |
| GRAND TOTAL         |                     |                                           | 1,245                                | 0                     | 0                                             | 1,245                        | 1,062              | 1,328                 | -70                       | 341   | 411                | MGS GRADING         |
| TOTAL COMMON EXC    |                     |                                           | 1,245                                |                       |                                               |                              |                    |                       |                           |       |                    |                     |

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(6) MARSH EXCAVATION - TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL. ITEM NUMBER 205.0500

(7) ROCK EXCAVATION ITEM NUMBER 205.0200

(8) REDUCED MARSH IN FILL - EXCAVATED MARSH MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. MARSH IN FILL REDUCTION FACTOR = 1.00

(9) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 1.00

(10) EXPANDED MARSH BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL. MARSH BACKFILL FACTOR = 1.00. ITEM NUMBER 208.1100

(11) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL. EBS BACKFILL FACTOR = 1.00. ITEM NUMBER 208.1100

(12) EXPANDED ROCK FACTOR = 1.00

(13) EXPANDED FILL FACTOR = 1.25

DEPENDING ON SELECTIONS:

EXPANDED EILL = (UNEXPANDED EILL - EXPANDED ROCK - REDUCED MARSH - REDUCED EBS) \* EILL EACTOR

OR

EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED EBS) \* FILL FACTOR

OR

EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH) \* FILL FACTOR

OR

EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK) \* FILL FACTOR

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

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| BASE AGGREGATE ITEMS |                                   |         |       |         |                                            |                                              |                             |                                                            |
|----------------------|-----------------------------------|---------|-------|---------|--------------------------------------------|----------------------------------------------|-----------------------------|------------------------------------------------------------|
| CATEGORY             | ROADWAY                           | STATION | TO    | STATION | 305.0110                                   | 305.0120                                     | 305.0500                    | CATEGORY 0030                                              |
|                      |                                   |         |       |         | BASE<br>AGGREGATE<br>DENSE 3/4-INCH<br>TON | BASE<br>AGGREGATE<br>DENSE 1 1/4-INCH<br>TON | SHAPING<br>SHOULDERS<br>STA | 305.0504.S<br>HAULING EXCESS<br>SHOULDER<br>MATERIAL<br>CY |
| 0010                 | PROJECT ID 2210-12-70<br>MAINLINE |         |       |         |                                            |                                              |                             |                                                            |
|                      | USH 18                            | 56+50   |       | 87+00   | 159                                        | --                                           | 31                          | 98                                                         |
|                      |                                   | 87+00   |       | 133+00  | 240                                        | --                                           | 46                          | 261                                                        |
|                      |                                   | 133+00  |       | 163+00  | 156                                        | --                                           | 30                          | 77                                                         |
|                      |                                   | 163+00  |       | 216+00  | 276                                        | --                                           | 53                          | 323                                                        |
|                      |                                   | 216+00  |       | 258+00  | 219                                        | --                                           | 42                          | 202                                                        |
|                      |                                   | 258+00  |       | 291+00  | 172                                        | --                                           | 33                          | 140                                                        |
|                      |                                   | 291+00  |       | 313+40  | 117                                        | --                                           | 22                          | 7                                                          |
|                      | CURB RAMPS                        |         |       |         |                                            |                                              |                             |                                                            |
|                      | OAK CREST DRIVE (WEST)            | 67+00   | LT/RT |         | --                                         | 21                                           | --                          | --                                                         |
|                      | OAKMONT DRIVE                     | 274+00  | RT    |         | --                                         | 8                                            | --                          | --                                                         |
|                      | CENTURY OAK                       | 291+00  | RT    |         | --                                         | 11                                           | --                          | --                                                         |
|                      | WOODLAND HILLS                    | 299+50  | LT    |         | --                                         | 7                                            | --                          | --                                                         |
|                      | COUNTRY CREST LANE                | 309+50  | RT    |         | --                                         | 7                                            | --                          | --                                                         |
| CONTRACT TOTAL:      |                                   |         |       |         | 1,340                                      | 54                                           | 257                         | 1,109                                                      |

| ASPHALTIC PAVEMENT ITEMS |                                          |         |       |         |                                                                     |                     |                                        |                                        |                                                            |                     |                                        |                                        |                                                                      |                                 |
|--------------------------|------------------------------------------|---------|-------|---------|---------------------------------------------------------------------|---------------------|----------------------------------------|----------------------------------------|------------------------------------------------------------|---------------------|----------------------------------------|----------------------------------------|----------------------------------------------------------------------|---------------------------------|
| CATEGORY                 | ROADWAY                                  | STATION | TO    | STATION | CATEGORY 0010                                                       |                     |                                        |                                        | CATEGORY 0030                                              |                     |                                        |                                        | 465.0120<br>ASPHALTIC<br>SURFACE<br>DRIVEWAYS AND<br>FIELD ENTRANCES | 465.0315<br>ASPHALTIC<br>FLUMES |
|                          |                                          |         |       |         | 211.0101                                                            | 455.0605            | 460.6223                               | 460.6224                               | 211.0400                                                   | 455.0605            | 460.6223                               | 460.6224                               |                                                                      |                                 |
|                          |                                          |         |       |         | PREPARE<br>FOUNDATION EOR<br>ASPHALTIC PAVING<br>2210-12-70<br>EACH | TACK<br>COAT<br>GAL | HMA<br>PAVEMENT<br>3 MT 58-28 S<br>TON | HMA<br>PAVEMENT<br>4 MT 58-28 S<br>TON | PREPARE<br>FOUNDATION EOR<br>ASPHALTIC<br>SHOULDERS<br>STA | TACK<br>COAT<br>GAL | HMA<br>PAVEMENT<br>3 MT 58-28 S<br>TON | HMA<br>PAVEMENT<br>4 MT 58-28 S<br>TON |                                                                      |                                 |
| 0010                     | <u>PROJECT ID 2210-12-70</u><br>MAINLINE |         |       |         | 1                                                                   |                     |                                        |                                        |                                                            |                     |                                        |                                        |                                                                      |                                 |
|                          | USH 18                                   | 56+50   |       | 87+00   | --                                                                  | 1,980               | 2,120                                  | 1,490                                  | 31                                                         | 120                 | 120                                    | 90                                     | --                                                                   | --                              |
|                          |                                          | 87+00   |       | 133+00  | --                                                                  | 2,500               | 2,600                                  | 1,820                                  | 46                                                         | 330                 | 320                                    | 250                                    | --                                                                   | 20                              |
|                          |                                          | 133+00  |       | 163+00  | --                                                                  | 1,700               | 1,820                                  | 1,270                                  | 30                                                         | 100                 | 100                                    | 80                                     | --                                                                   | 40                              |
|                          |                                          | 163+00  |       | 216+00  | --                                                                  | 2,800               | 2,920                                  | 2,050                                  | 53                                                         | 400                 | 390                                    | 300                                    | --                                                                   | --                              |
|                          |                                          | 216+00  |       | 258+00  | --                                                                  | 2,330               | 2,500                                  | 1,750                                  | 42                                                         | 270                 | 260                                    | 200                                    | --                                                                   | --                              |
|                          |                                          | 258+00  |       | 291+00  | --                                                                  | 1,870               | 2,000                                  | 1,400                                  | 33                                                         | 170                 | 170                                    | 130                                    | --                                                                   | --                              |
|                          |                                          | 291+00  |       | 313+40  | --                                                                  | 1,470               | 1,580                                  | 1,110                                  | 22                                                         | 10                  | 10                                     | 10                                     | --                                                                   | 21                              |
|                          | SIDEROADS/DRIVEWAYS                      |         |       |         |                                                                     |                     |                                        |                                        |                                                            |                     |                                        |                                        |                                                                      |                                 |
|                          | OAK CREST DRIVE (WEST)                   | 67+00   | LT/RT |         | --                                                                  | 90                  | 170                                    | 90                                     | --                                                         | 0                   | 0                                      | 0                                      | --                                                                   | --                              |
|                          | OAK CREST DRIVE (EAST)                   | 80+50   | LT    |         | --                                                                  | 20                  | 40                                     | 20                                     | --                                                         | 0                   | 0                                      | 0                                      | --                                                                   | --                              |
|                          | DRIVEWAY                                 | 87+00   | LT    |         | --                                                                  | 50                  | --                                     | --                                     | --                                                         | 0                   | 0                                      | 0                                      | 130                                                                  | --                              |
|                          | WILDWOOD TR                              | 93+50   | LT/RT |         | --                                                                  | 70                  | 130                                    | 70                                     | --                                                         | 0                   | 0                                      | 0                                      | --                                                                   | --                              |
|                          | BRANDYBROOK RD                           | 162+50  | RT/LT |         | --                                                                  | 80                  | 140                                    | 80                                     | --                                                         | 0                   | 0                                      | 0                                      | --                                                                   | --                              |
|                          | BRANDYBROOK RD (DWY)                     | 165+50  | LT    |         | --                                                                  | 10                  | 0                                      | 0                                      | --                                                         | 0                   | 0                                      | 0                                      | 30                                                                   | --                              |
|                          | CTH G                                    | 215+50  | LT    |         | --                                                                  | 50                  | 80                                     | 50                                     | --                                                         | 0                   | 0                                      | 0                                      | --                                                                   | --                              |
|                          | CTH DT                                   | 258+00  | RT    |         | --                                                                  | 20                  | 40                                     | 20                                     | --                                                         | 0                   | 0                                      | 0                                      | --                                                                   | --                              |
|                          | OAKMONT DRIVE                            | 274+00  | RT    |         | --                                                                  | 40                  | 70                                     | 40                                     | --                                                         | 0                   | 0                                      | 0                                      | --                                                                   | --                              |
|                          | CENTURY OAK                              | 291+00  | RT    |         | --                                                                  | 50                  | 80                                     | 50                                     | --                                                         | 0                   | 0                                      | 0                                      | --                                                                   | --                              |
|                          | WOODLAND HILLS                           | 299+50  | LT    |         | --                                                                  | 40                  | 80                                     | 40                                     | --                                                         | 0                   | 0                                      | 0                                      | --                                                                   | --                              |
|                          | COUNTRY CREST LANE                       | 309+50  | RT    |         | --                                                                  | 40                  | 60                                     | 40                                     | --                                                         | 0                   | 0                                      | 0                                      | --                                                                   | --                              |

|             |            |      |        |         |          |                          |       |   |
|-------------|------------|------|--------|---------|----------|--------------------------|-------|---|
| PROJECT NO: | 2210-12-70 | HWY: | USH 18 | COUNTY: | WAUKESHA | MISCELLANEOUS QUANTITIES | SHEET | E |
|-------------|------------|------|--------|---------|----------|--------------------------|-------|---|

QMP ITEMS

| CATEGORY        | LOCATION              | 460.0105.S                                | 460.0110.S                            | 460.2005                                     | 460.2007                                                     | 460.2010                                   | 740.0440                     |
|-----------------|-----------------------|-------------------------------------------|---------------------------------------|----------------------------------------------|--------------------------------------------------------------|--------------------------------------------|------------------------------|
|                 |                       | HMA PWL TEST<br>STRIP VOLUMETRICS<br>EACH | HMA PWL<br>TEST STRIP DENSITY<br>EACH | INCENTIVE DENSITY PWL<br>HMA PAVEMENT<br>DOL | INCENTIVE DENSITY HMA<br>PAVEMENT LONGITUDINAL JOINTS<br>DOL | INCENTIVE AIR VOIDS<br>HMA PAVEMENT<br>DOL | INCENTIVE IRI<br>RIDE<br>DOL |
| 0010            | PROJECT ID 2210-12-70 | 2                                         | 3                                     | 21,144                                       | 12,845                                                       | 14,450                                     | 19,460                       |
| CONTRACT TOTAL: |                       | 2                                         | 3                                     | 21,144                                       | 12,845                                                       | 14,450                                     | 19,460                       |

PWL MIXTURE USE TABLE

| Roadway   | Location                                    | Station         | Mixture Use | Underlying Surface                           | Bid Item     | Tons  | Thickness | Quality Management Program to be used for:       |                                                                        |
|-----------|---------------------------------------------|-----------------|-------------|----------------------------------------------|--------------|-------|-----------|--------------------------------------------------|------------------------------------------------------------------------|
|           |                                             |                 |             |                                              |              |       |           | Mixture Acceptance                               | Density Acceptance                                                     |
| USH 18 EB | 12 foot Driving Lane                        | 56+50 to 313+40 | Upper Layer | 4 MT 58-28 S                                 | 4 MT 58-28 S | 4,356 | 1 3/4"    | PWL Incentive Air Voids<br>HMA Pavement 460.2010 | Incentive Density PWL HMA<br>Pavement 460.2005                         |
| USH 18 EB | 12 foot Driving Lane                        | 56+50 to 313+40 | Lower Layer | Milled Existing<br>HMA Surface               | 4 MT 58-28 S | 6,216 | 2 1/4"    | PWL Incentive Air Voids<br>HMA Pavement 460.2010 | Incentive Density PWL HMA<br>Pavement 460.2005                         |
| USH 18 WB | 12 foot Driving Lane                        | 56+50 to 313+40 | Upper Layer | 4 MT 58-28 S                                 | 4 MT 58-28 S | 4,356 | 1 3/4"    | PWL Incentive Air Voids<br>HMA Pavement 460.2010 | Incentive Density PWL HMA<br>Pavement 460.2005                         |
| USH 18 WB | 12 foot Driving Lane                        | 56+50 to 313+40 | Lower Layer | Milled Existing<br>HMA Surface               | 4 MT 58-28 S | 6,216 | 2 1/4"    | PWL Incentive Air Voids<br>HMA Pavement 460.2010 | Incentive Density PWL HMA<br>Pavement 460.2005                         |
| USH 18 EB | 6 foot shoulder and Turn Lane and Sideroads | 56+50 to 313+40 | Upper Layer | 4 MT 58-28 S                                 | 4 MT 58-28 S | 1,869 | 1 3/4"    | PWL Incentive Air Voids<br>HMA Pavement 460.2010 | Acceptance testing by the<br>department; not eligible for<br>incentive |
| USH 18 EB | 6 foot shoulder and Turn Lane and Sideroads | 56+50 to 313+40 | Lower Layer | 3' Milled Existing<br>HMA Surface, 3'<br>BAD | 4 MT 58-28 S | 2,684 | 1 3/4"    | PWL Incentive Air Voids<br>HMA Pavement 460.2010 | Acceptance testing by the<br>department; not eligible for<br>incentive |
| USH 18 WB | 6 foot shoulder and Turn Lane and Sideroads | 56+50 to 313+40 | Upper Layer | 4 MT 58-28 S                                 | 4 MT 58-28 S | 1,869 | 1 3/4"    | PWL Incentive Air Voids<br>HMA Pavement 460.2010 | Acceptance testing by the<br>department; not eligible for<br>incentive |
| USH 18 WB | 6 foot shoulder and Turn Lane and Sideroads | 56+50 to 313+40 | Lower Layer | 3' Milled Existing<br>HMA Surface, 3'<br>BAD | 4 MT 58-28 S | 2,684 | 1 3/4"    | PWL Incentive Air Voids<br>HMA Pavement 460.2010 | Acceptance testing by the<br>department; not eligible for<br>incentive |

3

ASPHALTIC SURFACE PATCHING ITEMS

| CATEGORY        | ROADWAY                           | STATION | TO | STATION | 465.0110<br>ASPHALTIC<br>SURFACE<br>PATCHING<br>TON |
|-----------------|-----------------------------------|---------|----|---------|-----------------------------------------------------|
| 0010            | PROJECT ID 2210-12-70<br>MAINLINE |         |    |         |                                                     |
|                 | USH 18                            | 56+50   |    | 87+00   | 142                                                 |
|                 |                                   | 87+00   |    | 133+00  | 214                                                 |
|                 |                                   | 133+00  |    | 163+00  | 139                                                 |
|                 |                                   | 163+00  |    | 216+00  | 246                                                 |
|                 |                                   | 216+00  |    | 258+00  | 195                                                 |
|                 |                                   | 258+00  |    | 291+00  | 153                                                 |
|                 |                                   | 291+00  |    | 313+40  | 104                                                 |
| CONTRACT TOTAL: |                                   |         |    |         | 1,194                                               |

RUMBLE STRIPS

| CATEGORY        | ROADWAY                           | STATION |    | STATION | 465.0475<br>ASPHALTIC<br>CENTERLINE RUMBLE<br>STRIPS<br>2-LANE RURAL<br>LF | SPV.0090.02<br>ASPHALTIC<br>SHOULDER RUMBLE<br>STRIPS<br>STRIPS SINUSOIDAL<br>2-LANE RURAL<br>LF |
|-----------------|-----------------------------------|---------|----|---------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 0010            | PROJECT ID 2210-12-70<br>MAINLINE |         |    |         |                                                                            |                                                                                                  |
|                 | USH 18                            | 111+42  | TO | 160+13  | 4871                                                                       | 9742                                                                                             |
|                 |                                   | 165+15  | TO | 213+29  | 4814                                                                       | 9628                                                                                             |
|                 |                                   | 218+31  | TO | 255+65  | 3734                                                                       | 7468                                                                                             |
|                 |                                   | 260+81  | TO | 269+30  | 849                                                                        | 1698                                                                                             |
| CONTRACT TOTAL: |                                   |         |    |         | 14,268                                                                     | 28,536                                                                                           |

3

CONCRETE CURB & GUTTER AND CURB RAMP ITEMS

| CATEGORY        | ROADWAY                             | LOCATION | 601.0557<br>CONCRETE<br>CURB & GUTTER<br>6-INCH SLOPED<br>36-INCH TYPE D<br>LF | 602.041<br>CONCRETE<br>SIDEWALK<br>5-INCH<br>SE | 602.0505<br>CURB RAMP<br>DETECTABLE WARNING<br>FIELD<br>YELLOW<br>SE | 602.0605<br>CURB RAMP<br>DETECTABLE WARNING<br>FIELD RADIAL<br>YELLOW<br>SE | SPV.0060.07<br>CURB RAMP<br>GRADING, SHAPING<br>AND<br>EINISHING<br>EACH |
|-----------------|-------------------------------------|----------|--------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------|
| 0010            | PROJECT ID 2210-12-70<br>CURB RAMPS |          |                                                                                |                                                 |                                                                      |                                                                             |                                                                          |
|                 | OAK CREST DRIVE                     | NW QUAD  | 40                                                                             | 231                                             | --                                                                   | 16                                                                          | 1                                                                        |
|                 | OAK CREST DRIVE                     | NE QUAD  | 39                                                                             | 202                                             | --                                                                   | 15                                                                          | 1                                                                        |
|                 | OAK CREST DRIVE                     | SW QUAD  | 59                                                                             | 241                                             | 20                                                                   | --                                                                          | 1                                                                        |
|                 | OAK CREST DRIVE                     | SE QUAD  | 35                                                                             | 186                                             | 20                                                                   | --                                                                          | 1                                                                        |
|                 | OAKMONT DRIVE                       | SW QUAD  | 20                                                                             | 148                                             | 10                                                                   | --                                                                          | 1                                                                        |
|                 | OAKMONT DRIVE                       | MED      | 17                                                                             | 32                                              | 20                                                                   | --                                                                          | 1                                                                        |
|                 | OAKMONT DRIVE                       | SE QUAD  | 16                                                                             | 165                                             | 10                                                                   | --                                                                          | 1                                                                        |
|                 | CENTURY OAK                         | SW QUAD  | 15                                                                             | 239                                             | 10                                                                   | --                                                                          | 1                                                                        |
|                 | CENTURY OAK                         | MED      | 10                                                                             | 34                                              | 20                                                                   | --                                                                          | 1                                                                        |
|                 | CENTURY OAK                         | SE QUAD  | 13                                                                             | 139                                             | 10                                                                   | --                                                                          | 1                                                                        |
|                 | WOODLAND HILLS                      | NW QUAD  | 15                                                                             | 155                                             | 10                                                                   | --                                                                          | 1                                                                        |
|                 | WOODLAND HILLS                      | NE QUAD  | 16                                                                             | 123                                             | 10                                                                   | --                                                                          | 1                                                                        |
|                 | COUNTRY CREST LANE                  | SW QUAD  | 11                                                                             | 151                                             | 10                                                                   | --                                                                          | 1                                                                        |
|                 | COUNTRY CREST LANE                  | SE QUAD  | 10                                                                             | 148                                             | 10                                                                   | --                                                                          | 1                                                                        |
| CONTRACT TOTAL: |                                     |          | 315                                                                            | 2,194                                           | 160                                                                  | 31                                                                          | 14                                                                       |

PROJECT NO: 2210-12-70

HWY: USH 18

COUNTY: WAUKESHA

MISCELLANEOUS QUANTITIES

SHEET

E



STORM SEWER STRUCTURES

|          |           |            |            | 504.0900                        | 602.1500       | 520.1018                                          | 520.1036                                      | 611.0530                 | 611.2003                     | 611.2006                     | 633.5200                  |           |           |          |       |
|----------|-----------|------------|------------|---------------------------------|----------------|---------------------------------------------------|-----------------------------------------------|--------------------------|------------------------------|------------------------------|---------------------------|-----------|-----------|----------|-------|
|          |           |            |            | CATEGORY 0020                   |                |                                                   |                                               |                          |                              |                              |                           |           |           |          |       |
|          |           |            |            | CONCRETE<br>MASONRY<br>ENDWALLS | CONCRETE STEPS | APRON ENDWALLS<br>FOR CULVERT PIPE<br>18-INCH**** | APRON ENDWALLS<br>FOR CULVERT PIPE<br>36-INCH | MANHOLE COVERS<br>TYPE J | MANHOLES<br>3-FT<br>DIAMETER | MANHOLES<br>6-FT<br>DIAMETER | MARKERS<br>CULVERT<br>END | RIM       | INVERT**  | DEPTH*** |       |
| CATEGORY | STRUCTURE | STATION    | OFFSET*    | CY                              | SF             | EACH                                              | EACH                                          | EACH                     | EACH                         | EACH                         | EACH                      | ELEVATION | ELEVATION | FT       | NOTES |
| 0010     | 1001      | 292+21.74' | 51.209' RT | --                              | --             | 1                                                 | --                                            | --                       | --                           | --                           | 1                         | --        | 948.35    | --       |       |
|          | 1002      | 291+76.83' | 48.157' RT | --                              | --             | --                                                | --                                            | 1                        | 1                            | --                           | --                        | 952.02    | 948.28    | 3.73     |       |
|          | 1003      | 299+23.97' | 46.297' RT | --                              | --             | --                                                | 1                                             | --                       | --                           | --                           | 1                         | --        | 914.72    | --       |       |
|          | 1004      | 299+60.01' | 43.111' RT | --                              | --             | --                                                | 1                                             | --                       | --                           | --                           | 1                         | --        | 913.16    | --       |       |
|          | 1005      | 165+37.10' | 40.327' LT | --                              | --             | 1                                                 | --                                            | --                       | --                           | --                           | 1                         | --        | 1008.20   | --       |       |
|          | 1006      | 176+50.27' | 51.253' RT | --                              | --             | 1                                                 | --                                            | --                       | --                           | --                           | 1                         | --        | 984.11    | --       |       |
|          | 1007      | 177+20.44' | 52.294' RT | --                              | --             | 1                                                 | --                                            | --                       | --                           | --                           | 1                         | --        | 982.00    | --       |       |
|          | 1008      | 297+84.33' | 50.417' LT | --                              | --             | --                                                | --                                            | 1                        | --                           | 1                            | --                        | 918.42    | 913.91    | 4.50     |       |
|          | 1009      | 297+70.24' | 55.196' LT | --                              | --             | 1                                                 | --                                            | --                       | --                           | --                           | 1                         | --        | 917.97    | --       |       |
|          | 1010      | 297+99.64' | 52.463' LT | --                              | --             | 1                                                 | --                                            | --                       | --                           | --                           | 1                         | --        | 916.92    | --       |       |
|          | 2001      | 222+68.72' | 45.512' LT | 5                               | --             | --                                                | --                                            | --                       | --                           | --                           | --                        | 1028.49   | --        |          |       |
|          | 2002      | 222+68.72' | 53.988' RT | 5                               | 103            | --                                                | --                                            | --                       | --                           | --                           | --                        | 1027.98   | --        |          |       |
| TOTALS   |           |            |            | 10                              | 103            | 6                                                 | 2                                             | 2                        | 1                            | 1                            | 8                         |           |           |          |       |

REMARKS

\* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURES UNLESS OTHERWISE NOTED

\*\* FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

\*\*\* DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT

\*\*\*\* STATIONS, OFFSETS, AND ELEVATIONS FOR ALL ENDWALL LOCATIONS ARE TO THE END OF PIPE UNLESS OTHERWISE NOTED

| CULVERT PIPE SUMMARY                                                                   |                       |               |            |            |      |    |    |    |    |         |         |        |         |
|----------------------------------------------------------------------------------------|-----------------------|---------------|------------|------------|------|----|----|----|----|---------|---------|--------|---------|
| CATEGORY 0020                                                                          |                       |               |            |            |      |    |    |    |    |         |         |        |         |
| 520.8000522.1500521.3118521.3136522.0118CULVERT PIPE                                   |                       |               |            |            |      |    |    |    |    |         |         |        |         |
| ***CORRUGATED STEELCORRUGATED STEELCULVERT PIPE REINFORCED                             |                       |               |            |            |      |    |    |    |    |         |         |        |         |
| CONCRETE COLLARS PIPE CATTLE PASS CORRUGATED STEEL CORRUGATED STEEL CONCRETE CLASS III |                       |               |            |            |      |    |    |    |    |         |         |        |         |
| EOR PIPE (CATEGORY 0020) 18-INCH 36-INCH 18-INCH                                       |                       |               |            |            |      |    |    |    |    |         |         |        |         |
| ** ** *                                                                                |                       |               |            |            |      |    |    |    |    |         |         |        |         |
| INLET DISCH SLOPE                                                                      |                       |               |            |            |      |    |    |    |    |         |         |        |         |
| CATEGORY                                                                               | ROADWAY               | STRUCTURE NO. | STATION    | OEESET     | EACH | LF | LE | LE | LE | INLET   | DISCH   | SLOPE  | REMARKS |
| 0010                                                                                   | PROJECT ID 2210-12-70 |               |            |            |      |    |    |    |    |         |         |        |         |
|                                                                                        | USH 18                | 1002          | 291+76.83' | 48.157' RT | --   | -- | -- | -- | -- | 948.28  | --      | --     | --      |
|                                                                                        |                       | 1001          | 292+21.74' | 51.209' RT | 1    | -- | -- | -- | 40 | --      | 946.64  | 4.08%  | --      |
|                                                                                        | USH 18                | 1003          | 299+23.97' | 46.297' RT | --   | -- | -- | -- | -- | 911.70  | --      | --     | --      |
|                                                                                        |                       | 1004          | 299+60.01' | 43.111' RT | 1    | -- | -- | 36 | -- | --      | 910.15  | 4.31%  | --      |
|                                                                                        | USH 18                | RS_01         | 165+43.22' | 40.386' LT | --   | -- | -- | -- | -- | 1006.81 | --      | --     | --      |
|                                                                                        |                       | 1005          | 165+37.10' | 40.327' LT | --   | -- | 6  | -- | -- | --      | 1006.69 | 1.88%  | --      |
|                                                                                        | USH 18                | 1006          | 176+50.27' | 51.253' RT | --   | -- | -- | -- | -- | 982.61  | --      | --     | --      |
|                                                                                        |                       | RS_02         | 176+56.18' | 51.374' RT | --   | -- | 6  | -- | -- | --      | 982.43  | 3.04%  | --      |
|                                                                                        | USH 18                | RS_03         | 177+07.78' | 52.167' RT | --   | -- | -- | -- | -- | 980.87  | --      | --     | --      |
|                                                                                        |                       | 1007          | 177+20.44' | 52.294' RT | --   | -- | 13 | -- | -- | --      | 980.49  | 3.03%  | --      |
|                                                                                        | USH 18                | 1008          | 297+84.33' | 50.417' LT | --   | -- | -- | -- | -- | 913.91  | --      | --     | --      |
|                                                                                        |                       | RS_05         | 297+83.23' | 42.807' LT | 1    | -- | -- | 8  | -- | --      | 913.90  | 0.19%  | --      |
|                                                                                        | USH 18                | 1009          | 297+70.24' | 55.196' LT | --   | -- | -- | -- | -- | 916.26  | --      | --     | --      |
|                                                                                        |                       | 1008          | 297+84.33' | 50.417' LT | 1    | -- | -- | -- | 11 | --      | 915.08  | 10.39% | --      |
|                                                                                        | USH 18                | 1010          | 297+99.64' | 52.463' LT | --   | -- | -- | -- | -- | 915.22  | --      | --     | --      |
|                                                                                        |                       | 1008          | 297+84.33' | 50.417' LT | 1    | -- | -- | -- | 12 | --      | 915.04  | 1.50%  | --      |
|                                                                                        | USH 18                | 2001          | 222+68.72' | 45.512' LT | --   | -- | -- | -- | -- | 1021.91 | --      | --     | --      |
|                                                                                        |                       | 2002          | 222+68.72' | 53.988' RT | --   | 96 | -- | -- | -- | --      | 1021.40 | 0.53%  | --      |
|                                                                                        | CONTRACT TOTAL:       |               |            |            |      | 5  | 96 | 25 | 44 | 64      |         |        |         |
| NOTE:                                                                                  |                       |               |            |            |      |    |    |    |    |         |         |        |         |
| * TO BE DETERMINED AT TIME OE CONSTRUCTION                                             |                       |               |            |            |      |    |    |    |    |         |         |        |         |
| ** TO BE VERIFIED BY ENGINEER                                                          |                       |               |            |            |      |    |    |    |    |         |         |        |         |
| *** CONNECTION TO EXISTING CMP IS INCIDENTAL TO ITEM 521.3118                          |                       |               |            |            |      |    |    |    |    |         |         |        |         |



| GUARDRAIL ITEMS |                       |         |    |         |          |                  |                 |               |               |               |               |
|-----------------|-----------------------|---------|----|---------|----------|------------------|-----------------|---------------|---------------|---------------|---------------|
| CATEGORY        | ROADWAY               | STATION | TO | STATION | LOCATION | 614.0397         | 614.2300        | 614.2330      | 614.2350      | 614.2610      | 614.2630      |
|                 |                       |         |    |         |          | GUARDRAIL MOW    |                 |               |               | MGS GUARDRAIL | MGS GUARDRAIL |
|                 |                       |         |    |         |          | STRIP EMULSIFIED |                 | MGS           | MGS GUARDRAIL | TERMINAL      | SHORT RADIUS  |
|                 |                       |         |    |         |          | ASPHALT          | MGS GUARDRAIL 3 | GUARDRAIL 3 K | SHORT RADIUS  | EAT           | TERMINAL      |
|                 |                       |         |    |         |          | SY               | LE              | LE            | LE            | EACH          | EACH          |
| 0010            | PROJECT ID 2210-12-70 |         |    |         |          |                  |                 |               |               |               |               |
|                 | USH 18                | 162+79  |    | 165+49  | WB       | 176              | 237.5           | --            | 94            | --            | 2             |
|                 |                       | 163+52  |    | 166+34  | EB       | 89               | --              | 175           | --            | 2             | --            |
|                 |                       | 176+94  |    | 180+00  | WB       | 96               | --              | 200           | --            | 2             | --            |
|                 |                       | 174+18  |    | 179+02  | EB       | 209              | 175             | 125           | 69            | 2             | 2             |
|                 |                       | 221+36  |    | 225+42  | WB       | 117              | --              | 300           | --            | 2             | --            |
|                 |                       | 222+05  |    | 233+81  | EB       | 367              | 275             | 800           | --            | 2             | --            |
|                 |                       | 293+85  |    | 298+00  | WB       | 126              | --              | 312.5         | --            | 2             | --            |
|                 |                       | 292+35  |    | 299+03  | EB       | 182              | --              | 550           | --            | 2             | --            |
| CONTRACT TOTAL: |                       |         |    |         |          | 1,363            | 687.5           | 2,462.5       | 163           | 14            | 4             |

MOBILIZATION

| CATEGORY        | LOCATION                         | 619.1000<br>MOBILIZATION<br>EACH |
|-----------------|----------------------------------|----------------------------------|
| 0010            | PROJECT ID 2210-12-70<br>PROJECT | 1                                |
| CONTRACT TOTAL: |                                  | 1                                |

RESTORATION ITEMS

| CATEGORY | ADWAY                 | STATION | TO | STATION | 625.0500 | 627.0200 | 629.0210   | 630.0500 | 630.0400 | 631.0300 | 631.1000 | SPV.0085.01  |
|----------|-----------------------|---------|----|---------|----------|----------|------------|----------|----------|----------|----------|--------------|
|          |                       |         |    |         | SALVAGED |          |            |          | SEEDING  |          |          | NATIVE       |
|          |                       |         |    |         | TOPSOIL  | MULCHING | FERTILIZER | SEED     | NURSE    | SOD      | SOD      | POLLINATOR   |
|          |                       |         |    |         | SY       | SY       | TYPE B     | WATER    | CROP     | WATER    | LAWN     | SEED MIXTURE |
|          |                       |         |    |         |          |          | CWT        | MGAL     | LB       | MGAL     | SY       | NO. 90A      |
| 0010     | PROJECT ID 2210-12-70 |         |    |         |          |          |            |          |          |          |          | LB           |
|          | MAINLINE              |         |    |         |          |          |            |          |          |          |          |              |
|          | USH 18                | 56+50   |    | 87+00   | 78       | --       | --         | --       | --       | 2        | 78       | --           |
|          |                       | 163+00  |    | 216+00  | 1,792    | 1,792    | 1          | 36       | 16       | --       | --       | 4            |
|          |                       | 216+00  |    | 258+00  | 1,608    | 1,608    | 1          | 36       | 14       | --       | --       | 4            |
|          |                       | 291+00  |    | 313+40  | 1,185    | 1,185    | 1          | 27       | 11       | --       | --       | 3            |
|          |                       |         |    |         | 4,585    | 4,585    | 3          | 99       | 41       | 2        | 78       | 10           |

3

3

| EROSION CONTROL ITEMS |                       |         |    |         |               |            |          |          |             |          |               |             |              |              |            |             |     |
|-----------------------|-----------------------|---------|----|---------|---------------|------------|----------|----------|-------------|----------|---------------|-------------|--------------|--------------|------------|-------------|-----|
|                       |                       |         |    |         | CATEGORY 0020 |            |          |          |             |          |               |             |              |              |            |             |     |
|                       |                       |         |    |         | 606.0200      | 645.0120   | 606.0200 | 628.1504 | 628.1520    | 628.1905 | 628.1910      | 628.2008    | 628.7504     | 628.7555     | 645.0120   | SPV.0090.03 |     |
|                       |                       |         |    |         |               |            |          |          |             |          | MOBILIZATIONS | EROSION MAT |              |              |            |             |     |
|                       |                       |         |    |         | RIPRAP        | GEOTEXTILE | RIPRAP   | SILT     | SILT FENCE  | EROSION  | EROSION       | URBAN       | TEMPORARY    | CULVERT PIPE | GEOTEXTILE | HEAVY DUTY  |     |
|                       |                       |         |    |         | MEDIUM        | TYPE HR    | MEDIUM   | FENCE    | MAINTENANCE | CONTROL  | CONTROL       | TYPE B      | DITCH CHECKS | CHECKS       | TYPE HR    | SILT FENCE  |     |
| CATEGORY              | ROADWAY               | STATION | TO | STATION | CY            | SY         | CY       | LF       | LF          | EACH     | EACH          | SY          | LF           | EACH         | SY         | LF          |     |
| 0010                  | PROJECT ID 2210-12-70 |         |    |         |               |            |          |          |             |          |               |             |              |              |            |             |     |
|                       | USH 18                | 65+90   |    | 67+30   | --            | --         | --       | 251      | 251         | --       | --            | 45          | --           | --           | --         | --          | --  |
|                       |                       | 92+79   |    |         | --            | --         | 3        | 0        | --          | --       | --            | --          | --           | --           | --         | 11          | --  |
|                       |                       | 133+83  |    | 134+31  | --            | --         | 5        | 0        | --          | --       | --            | --          | --           | --           | --         | 23          | --  |
|                       |                       | 162+82  |    | 167+07  | --            | --         | 4        | 436      | 868         | --       | --            | 449         | --           | --           | --         | 11          | 432 |
|                       |                       | 173+24  |    | 180+18  | --            | --         | 4        | 883      | 1,373       | --       | --            | 1,322       | 140          | 1            | 11         | 490         |     |
|                       |                       | 220+74  |    | 234+53  | 5             | 14         | --       | 1998     | 1,998       | --       | --            | 1,556       | --           | 1            | --         | --          | --  |
|                       |                       | 273+14  |    | 274+37  | --            | --         | --       | 109      | 109         | --       | --            | 29          | --           | --           | --         | --          | --  |
|                       |                       | 290+43  |    | 300+13  | --            | --         | 12       | 1080     | 1,080       | --       | --            | 836         | 140          | 5            | 36         | --          | --  |
|                       |                       | 308+42  |    | 309+42  | --            | --         | --       | 133      | 133         | --       | --            | 29          | --           | --           | --         | --          | --  |
|                       | UNDISTRIBUTED         |         |    | 1       | 4             | 7          | 1,222    | 1,453    | 2           | 10       | 1,067         | 70          | --           | 23           | 231        |             |     |
| CONTRACT TOTAL:       |                       |         |    |         | 6             | 18         | 35       | 6,111    | 7,264       | 2        | 10            | 5,333       | 350          | 7            | 115        | 1,153       |     |

| INLET PROTECTION |                              |         |    |         |          |                  |                  |
|------------------|------------------------------|---------|----|---------|----------|------------------|------------------|
|                  |                              |         |    |         |          | 628.7005         | 628.7020         |
|                  |                              |         |    |         |          | INLET PROTECTION | INLET PROTECTION |
|                  |                              |         |    |         |          | TYPE A           | TYPE D           |
| CATEGORY         | ROADWAY                      | STATION | TO | STATION | LOCATION | EACH             | EACH             |
| 0010             | <u>PROJECT ID 2210-12-70</u> |         |    |         |          |                  |                  |
|                  | MAINLINE                     |         |    |         |          |                  |                  |
|                  | USH 18                       | 55+00   |    | 59+30   |          | --               | 2                |
|                  |                              | 59+30   |    | 64+60   |          | --               | 1                |
|                  |                              | 64+60   |    | 69+90   |          | --               | 2                |
|                  |                              | 133+50  |    | 138+80  |          | --               | 3                |
|                  |                              | 138+80  |    | 143+50  |          | --               | 2                |
|                  |                              | 287+20  |    | 292+50  |          | --               | 2                |
|                  |                              | 297+80  |    | 303+10  |          | --               | 2                |
|                  |                              | 303+10  |    | 308+40  |          | 2                | --               |
|                  |                              | 308+40  |    | 313+70  |          | --               | 2                |
|                  | UNDISTRIBUTED                |         |    |         |          | 1                | 4                |
| SUBTOTAL         |                              |         |    |         |          | 3                | 20               |
| CONTRACT TOTAL:  |                              |         |    |         |          | 3                | 20               |

PEDESTRIAN ACCOMMODATIONS

| CATEGORY | ADWAY                        | STATION                     | 644.1410                                      | 644.1810                             | 644.1605                                                  | 644.1601                  |
|----------|------------------------------|-----------------------------|-----------------------------------------------|--------------------------------------|-----------------------------------------------------------|---------------------------|
|          |                              |                             | TEMPORARY<br>PEDESTRIAN<br>SUREACE<br>ASPHALT | TEMPORARY<br>PEDESTRIAN<br>BARRICADE | TEMPORARY<br>PEDESTRIAN<br>DETECTABLE<br>WARNING<br>FIELD | TEMPORARY<br>CURB<br>RAMP |
|          |                              |                             | SF                                            | LE                                   | SE                                                        | DAY                       |
| 0010     | <u>PROJECT ID 2210-12-70</u> |                             |                                               |                                      |                                                           |                           |
|          | MAINLINE                     |                             |                                               |                                      |                                                           |                           |
|          | USH 18                       | OAK CREST PED ACCOMODATIONS | 145                                           | 330                                  | 20                                                        | 20                        |
|          |                              |                             | 145                                           | 330                                  | 20                                                        | 20                        |

TRAFFIC CONTROL

| CATEGORY        | LOCATION                         | 643.5000                |
|-----------------|----------------------------------|-------------------------|
|                 |                                  | TRAFFIC CONTROL<br>EACH |
| 0010            | PROJECT ID 2210-12-70<br>PROJECT | 1                       |
| CONTRACT TOTAL: |                                  | 1                       |

TRAFFIC CONTROL

| STAGE | LOCATION              | STATION | TO | STATION | STAGE<br>DURATION<br>DAYS | 643.0300 |        | 643.0420 |       | 643.0705 |       | 643.0715 |     | 643.0900 |        | 643.0910 |          |      | 643.0920 |          |      | 643.1050 |     |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|-------|-----------------------|---------|----|---------|---------------------------|----------|--------|----------|-------|----------|-------|----------|-----|----------|--------|----------|----------|------|----------|----------|------|----------|-----|-----------------------------|----------------------------------------------|---------------------------------------------------|---------------------------------------------------|-----------------------------|---------------------------------------------|--|----------------------------------------------|--|-------------------------------------|
|       |                       |         |    |         |                           | FACH     | DAY    | FACH     | DAY   | FACH     | DAY   | FACH     | DAY | FACH     | DAY    | # SIGNS  | # CYCLFS | FACH | # SIGNS  | # CYCLES | FACH | FACH     | DAY |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       |                       |         |    |         |                           |          |        |          |       |          |       |          |     |          |        |          |          |      |          |          |      |          |     | TRAFFIC<br>CONTROL<br>DRUMS | TRAFFIC<br>CONTROL<br>BARRICADES<br>TYPE III | TRAFFIC<br>CONTROL<br>WARNING<br>LIGHTS<br>TYPE A | TRAFFIC<br>CONTROL<br>WARNING<br>LIGHTS<br>TYPE C | TRAFFIC<br>CONTROL<br>SIGNS | TRAFFIC CONTROL<br>COVERING SIGNS<br>TYPE I |  | TRAFFIC CONTROL<br>COVERING SIGNS<br>TYPE II |  | TRAFFIC<br>CONTROL<br>SIGNS<br>PCMS |
|       |                       |         |    |         |                           |          |        |          |       |          |       |          |     |          |        |          |          |      |          |          |      |          |     |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
| 1     | PROJECT ID 2210-12-70 |         |    |         |                           |          |        |          |       |          |       |          |     |          |        |          |          |      |          |          |      |          |     |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | USH 18 EB             | 56+50   | -  | 313+40  | 70                        | 65       | 4,536  | 14       | 980   | 28       | 1,960 | 0        |     | 11       | 770    | 2        | 1        | 2    | 0        | 1        | 0    | 0        | 0   |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | USH 18 WB             | 56+50   | -  | 313+40  | 70                        | 62       | 4,354  | 14       | 980   | 28       | 1,960 | 0        |     | 10       | 700    | 2        | 1        | 2    | 1        | 1        | 1    | 0        | 0   |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | SIDE ROADS            |         | -  |         | 70                        |          | 0      | 4        | 280   | 8        | 560   | 0        |     | 16       | 1,120  | 5        | 1        | 5    | 4        | 1        | 4    | 0        | 0   |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | USH 18 - OAK CREST    |         | -  |         | 70                        | 87       | 6,090  | 2        | 140   | 4        | 280   | 3        | 210 | 5        | 350    | 0        | 1        | 0    | 0        | 1        | 0    | 0        | 0   |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | STAGE 1 TOTAL:        |         |    |         |                           | 214      | 14,980 | 34       | 2,380 | 68       | 4,760 | 3        | 210 | 42       | 2,940  |          |          | 9    |          |          | 5    | 0        | 0   |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
| 2     | PROJECT ID 2210-12-70 |         |    |         |                           |          |        |          |       |          |       |          |     |          |        |          |          |      |          |          |      |          |     |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | USH 18 FB             | 56+50   | -  | 313+40  | 50                        | 65       | 3,240  | 14       | 700   | 28       | 1,400 | 0        |     | 9        | 450    | 0        | 1        | 0    | 0        | 1        | 0    | 0        | 0   |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | USH 18 WB             | 56+50   | -  | 313+40  | 50                        | 62       | 3,110  | 12       | 600   | 24       | 1,200 | 0        |     | 10       | 500    | 1        | 1        | 1    | 1        | 1        | 1    | 0        | 0   |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | SIDF ROADS            |         | -  |         | 50                        |          | --     | 4        | 200   | 8        | 400   | 0        |     | 16       | 800    | 4        | 1        | 4    | 4        | 1        | 4    | 0        | 0   |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       |                       |         | -  |         | 50                        |          | --     | 0        | 0     | 0        | 0     | 0        |     |          | 0      | --       | --       | --   | --       | --       | --   | 0        | 0   |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | STAGE 1B TOTAL:       |         |    |         |                           | 127      | 6,350  | 30       | 1,500 | 60       | 3,000 | 0        | 0   | 35       | 1,750  |          |          | 5    |          |          | 5    | 0        | 0   |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
| ALL   | PROJECT ID 2210-12-70 |         |    |         |                           |          |        |          |       |          |       |          |     |          |        |          |          |      |          |          |      |          |     |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | USH 18 WB             |         |    |         | 120                       |          | 0      | --       |       | --       |       | --       |     | 66       | 7,920  | --       | --       | --   | --       | --       | --   | 4        | 28  |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | USH 18 EB             |         |    |         | 120                       |          | 0      | --       |       | --       |       | --       |     | 66       | 7,920  | --       | --       | --   | --       | --       | --   | 4        | 28  |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | DETOUR TOTAL:         |         |    |         |                           | 0        | 0      | 0        | 0     | 0        | 0     | 0        | 0   | 132      | 15,840 |          |          | 0    |          |          | 0    | 8        | 56  |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       |                       |         |    |         |                           |          |        |          |       |          |       |          |     |          |        |          |          |      |          |          |      |          |     |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | PROJECT ID 2210-12-70 |         |    |         |                           | 341      | 21,330 | 64       | 3,880 | 128      | 7,760 | 3        | 210 | 209      | 20,530 |          |          | 14   |          |          | 10   | 8        | 56  |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | UNDISTRIBUTED         |         |    |         |                           |          | 5,335  |          | 970   |          | 1,940 |          | 55  |          | 0      |          |          | 5    |          |          | 5    |          | 15  |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       |                       |         |    |         |                           |          |        |          |       |          |       |          |     |          |        |          |          |      |          |          |      |          |     |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |
|       | CONTRACT TOTAL:       |         |    |         |                           |          | 26,665 |          | 4,850 |          | 9,700 |          | 265 |          | 20,530 |          |          | 19   |          |          | 15   |          | 71  |                             |                                              |                                                   |                                                   |                             |                                             |  |                                              |  |                                     |

| PAVEMENT MARKING |           |          |        |               |       |       |                    |       |               |       |                    |       |           |                                      |                |        |
|------------------|-----------|----------|--------|---------------|-------|-------|--------------------|-------|---------------|-------|--------------------|-------|-----------|--------------------------------------|----------------|--------|
| CATEGORY 0010    |           | 646.1020 |        | 646.1040      |       |       | 646.1545           |       | 646.3040      |       | 646.3545           |       | 646.6120  | 646.6320                             | 646.7120       |        |
|                  |           | LINE     |        | LINE GROOVED  |       |       | LINE GROOVED WET   |       | LINE GROOVED  |       | LINE GROOVED WET   |       | STOP LINE | DOTTED<br>EXTENSION<br>EPOXY 18-INCH | DIAGONAL EPOXY |        |
|                  |           | EPOXY    |        | WET REF EPOXY |       |       | REF CONTRAST EPOXY |       | WET REF EPOXY |       | REF CONTRAST EPOXY |       | EPOXY     |                                      |                |        |
|                  |           | 4-INCH   |        | 4-INCH        |       |       | 4-INCH             |       | 8-INCH        |       | 8-INCH             |       | 18-INCH   |                                      | 12-INCH        |        |
|                  |           | WHITE    | YELLOW | WHITE         | WHITE | WHITE | WHITE              | WHITE | WHITE         | WHITE | WHITE              | WHITE | WHITE     | WHITE                                | WHITE          | YELLOW |
|                  |           |          |        | 12.5-FT LINE  |       |       | 12.5-FT LINE       |       | 3-FT LINE     |       | 3-FT LINE          |       |           |                                      |                |        |
|                  |           |          |        | 37.5-FT GAP   |       |       | 37.5-FT GAP        |       | 9-FT GAP      |       | 9-FT GAP           |       |           |                                      |                |        |
| STATION          | - STATION | LF       | LF     | LF            | LF    | LF    | LF                 | LF    | LF            | LF    | LF                 | LF    | LF        | LF                                   | LF             | LF     |
| BEGIN            | - 109+00  | 2,945    | 7,799  | 8,262         | 115   | --    | 150                | --    | 904           | 49    | 592                | 204   | 267       | 23                                   | 56             | 144    |
| 109+00           | - 216+00  | --       | 15,082 | 21,470        | 50    | 100   | --                 | --    | 100           | --    | --                 | --    | 52        | --                                   | --             | --     |
| 216+00           | - END     | 905      | 14,580 | 17,485        | 195   | --    | 355                | 48    | 620           | 95    | 1,080              | 98    | 176       | --                                   | 45             | 88     |
| SUBTOTAL         |           | 3,850    | 37,461 | 47,217        | 360   | 100   | 505                | 48    | 1,624         | 144   | 1,672              | 302   |           |                                      | 101            | 232    |
| TOTAL            |           | 41,311   |        | 47,677        |       |       | 553                |       | 1,768         |       | 1,974              |       | 495       | 23                                   | 333            |        |

| PAVEMENT MARKING |           |                       |  |                   |  |          |         |          |          |             |        |
|------------------|-----------|-----------------------|--|-------------------|--|----------|---------|----------|----------|-------------|--------|
| CATEGORY 0010    |           | 646.7420              |  | 646.7520          |  | 646.5020 |         | 646.5120 | 646.8120 | 646.8220    |        |
|                  |           | CROSSWALK             |  | CROSSWALK         |  |          |         |          |          |             |        |
|                  |           | EPOXY TRANSVERSE LINE |  | EPOXY BLOCK STYLE |  | ARROW    |         | WORD     | CURB     | ISLAND NOSE |        |
|                  |           | 6-INCH                |  | 24-INCH           |  | EPOXY    |         | EPOXY    | EPOXY    | EPOXY       |        |
|                  |           | WHITE                 |  | WHITE             |  | TYPE 2   | TYPE 2R | TYPE 3   | TYPE 5   | WHITE       | YELLOW |
| STATION          | - STATION | LF                    |  | LF                |  | EA       | EA      | EA       | EA       | EA          | LF     |
| BEGIN            | - 109+00  | 466                   |  | 96                |  | 16       | 2       | 4        | --       | 10          | 32     |
| 109+00           | - 216+00  | --                    |  | --                |  | 2        | --      | --       | --       | --          | --     |
| 216+00           | - END     | --                    |  | --                |  | 15       | --      | --       | 2        | 5           | 10     |
| SUBTOTAL         |           |                       |  |                   |  | 33       | 2       | 4        | 2        |             |        |
| TOTAL            |           | 466                   |  | 96                |  | 41       |         | 15       | 42       | 5           |        |

LOCATING NO-PASSING ZONES

|                 |                                  | 648.0100         |
|-----------------|----------------------------------|------------------|
|                 |                                  | LOCATING         |
|                 |                                  | NO-PASSING ZONES |
| CATEGORY        | LOCATION                         | MI               |
| 0010            | PROJECT ID 2210-12-70<br>PROJECT | 4.87             |
| CONTRACT TOTAL: |                                  | 4.87             |

FIELD OFFICE

|                 |                                  | 642.5401     |
|-----------------|----------------------------------|--------------|
|                 |                                  | FIELD OFFICE |
|                 |                                  | TYPE D       |
| CATEGORY        | LOCATION                         | EACH         |
| 0010            | PROJECT ID 2210-12-70<br>PROJECT | 1            |
| CONTRACT TOTAL: |                                  | 1            |

CONSTRUCTION STAKING

| CATEGORY        | STAGE | LOCATION                         | 650.6000                                        | 650.8000                                                  | 650.8501                                                                  | 650.9911                                                              | 650.9920                                      | 650.5500                                                          | 650.9000                                      |
|-----------------|-------|----------------------------------|-------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------|
|                 |       |                                  | CONSTRUCTION<br>STAKING<br>PIPE CULVERT<br>EACH | CONSTRUCTION<br>STAKING<br>RESURFACING<br>REFERENCE<br>LF | CONSTRUCTION<br>STAKING<br>ELECTRICAL INSTALLATIONS<br>2210-12-70<br>EACH | CONSTRUCTION<br>STAKING<br>SUPPLEMENTAL<br>CONTROL (2210-12-70)<br>LS | CONSTRUCTION<br>STAKING<br>SLOPE STAKES<br>LF | CONSTRUCTION<br>STAKING<br>CURB GUTTER AND<br>CURB & GUTTER<br>LF | CONSTRUCTION<br>STAKING<br>CURB RAMPS<br>EACH |
| 0010            | ALL   | PROJECT ID 2210-12-70<br>PROJECT | 2                                               | 25,700                                                    | 1                                                                         | 1                                                                     | 4,500                                         | 323                                                               | 14                                            |
| CONTRACT TOTAL: |       |                                  | 2                                               | 25,700                                                    | 1                                                                         | 1                                                                     | 4,500                                         | 323                                                               | 14                                            |

UTILITY LINE OPENING

| CATEGORY        | STAGE | LOCATION                   | SPV.0060.05                                               | SPV.0060.06                                                 |
|-----------------|-------|----------------------------|-----------------------------------------------------------|-------------------------------------------------------------|
|                 |       |                            | EXPOSING EXISTING<br>INFRASTRUCTURE<br>PAVED AREA<br>EACH | EXPOSING EXISTING<br>INFRASTRUCTURE<br>UNPAVED AREA<br>EACH |
| 0010            | ALL   | NW QUAD OF OAK CREST       | 1                                                         | 1                                                           |
|                 |       | SE QUAD OF OAK CREST       | --                                                        | 2                                                           |
|                 |       | SW QUAD OF OAK CREST       | --                                                        | 2                                                           |
|                 |       | CATTLE PASS                | --                                                        | 1                                                           |
|                 |       | CENTURY OAK PIPE EXTENSION | --                                                        | 1                                                           |
| CONTRACT TOTAL: |       |                            | 1                                                         | 7                                                           |

SAWCUTTING ITEMS

| CATEGORY        | ROADWAY                           | STATION | TO    | STATION | 690.0150                | 690.0250                 |
|-----------------|-----------------------------------|---------|-------|---------|-------------------------|--------------------------|
|                 |                                   |         |       |         | SAWING<br>ASPHALT<br>LF | SAWING<br>CONCRETE<br>LF |
| 0010            | PROJECT ID 2210-12-70<br>MAINLINE |         |       |         |                         |                          |
|                 | USH 18                            | 56+50   |       | 87+00   | 3,957                   | --                       |
|                 |                                   | 87+00   |       | 133+00  | 5,707                   | --                       |
|                 |                                   | 133+00  |       | 163+00  | 3,781                   | --                       |
|                 |                                   | 163+00  |       | 216+00  | 6,570                   | --                       |
|                 |                                   | 216+00  |       | 258+00  | 5,216                   | --                       |
|                 |                                   | 258+00  |       | 291+00  | 4,082                   | --                       |
|                 |                                   | 291+00  |       | 313+40  | 2,815                   | --                       |
|                 | ASPHALTIC SURFACE PATCHING        |         |       |         |                         |                          |
|                 | CURB RAMPS                        |         |       |         |                         |                          |
|                 | OAK CREST DRIVE (WEST)            | 67+00   | LT/RT |         | --                      | 94                       |
|                 | OAKMONT DRIVE                     | 274+00  | RT    |         | --                      | 28                       |
|                 | CENTURY OAK                       | 291+00  | RT    |         | --                      | 25                       |
|                 | WOODLAND HILLS                    | 299+50  | LT    |         | --                      | 26                       |
|                 | COUNTRY CREST LANE                | 309+50  | RT    |         | --                      | 20                       |
| CONTRACT TOTAL: |                                   |         |       |         | 32,128                  | 193                      |

TYPE II PERMANENT SIGNING

2210-12-70

| SIGN NO.      | SIGN CODE & SIZE | SIGN MESSAGE  | SIGN SIZE<br>W x H<br>[IN.] x [IN.] | 637.2210<br>SIGNS TYPE II<br>REFLECTIVE H [SF] | 637.2230<br>SIGNS TYPE II<br>RELLECTIVE F [SF] | 637.0620<br>SIGN FLAGS<br>PERMANENT TYPE II EACH | 638.2102<br>MOVING SIGNS TYPE II [EA] | 638.2602<br>REMOVING SIGNS TYPE II (EA) | 638.3000<br>REM SMALL SIGN SUP [EA] | 634.0618<br>POSTS WOOD 4" X 6" X 18' [EA] | MOUNT ON SAME POST AS SIGN # | REMARKS / NEW SIGN LOCATION                      |
|---------------|------------------|---------------|-------------------------------------|------------------------------------------------|------------------------------------------------|--------------------------------------------------|---------------------------------------|-----------------------------------------|-------------------------------------|-------------------------------------------|------------------------------|--------------------------------------------------|
| 1             | R4-7(2S)         |               | 24 X 30                             | 5.000                                          |                                                |                                                  |                                       |                                         |                                     | 1                                         |                              |                                                  |
| 2             | R1-1F            |               |                                     |                                                |                                                |                                                  | 1                                     |                                         |                                     |                                           |                              | SIGNAL POLE                                      |
| 3             | S1-1             |               |                                     |                                                |                                                |                                                  | 1                                     |                                         |                                     |                                           |                              | SIGNAL POLE. MOVE S16-7L INCIDENTAL PART OF MOVE |
| 4             | R1-1F            |               |                                     |                                                |                                                |                                                  | 1                                     |                                         |                                     |                                           |                              | SIGNAL POLE                                      |
| 5             | M1-94S           | 18 SUMMIT AVE | X X X                               | X                                              |                                                |                                                  |                                       |                                         |                                     |                                           |                              | SIGNAL ARM                                       |
| 6             | M1-94S           | 18 SUMMIT AVE | X X X                               | X                                              |                                                |                                                  |                                       |                                         |                                     |                                           |                              | SIGNAL ARM                                       |
| 7             | S1-1             |               |                                     |                                                |                                                |                                                  | 1                                     |                                         |                                     |                                           |                              | SIGNAL POLE. MOVE S16-7L INCIDENTAL PART OF MOVE |
| 8             | M1-94H           | OAK CREST DR  |                                     |                                                |                                                |                                                  | 1                                     |                                         |                                     |                                           |                              | SIGNAL ARM                                       |
| 9             | R1-1F            |               |                                     |                                                |                                                |                                                  | 1                                     |                                         |                                     |                                           |                              | SIGNAL POLE                                      |
| 10            | R1-1F            |               |                                     |                                                |                                                |                                                  | 1                                     |                                         |                                     |                                           |                              | SIGNAL POLE                                      |
| 11            | M1-94H           | OAK CREST DR  |                                     |                                                |                                                |                                                  | 1                                     |                                         |                                     |                                           |                              | SIGNAL ARM                                       |
| 12            | W1-2R(2S)        |               | 30 X 30                             |                                                | 6.250                                          |                                                  |                                       |                                         |                                     | 1                                         |                              |                                                  |
| 13            | W1-2R(2S)        |               | 30 X 30                             |                                                | 6.250                                          |                                                  |                                       |                                         |                                     | 1                                         |                              |                                                  |
| 14            | W1-2R(2S)        |               | 30 X 30                             |                                                | 6.250                                          |                                                  |                                       |                                         |                                     | 1                                         |                              |                                                  |
| 15            | W1-7(2S)         |               | 24 X 48                             |                                                | 8.000                                          |                                                  |                                       |                                         |                                     | 1                                         |                              |                                                  |
| 16            | W1-2L(2S)        |               | 30 X 30                             |                                                | 6.250                                          |                                                  |                                       |                                         |                                     | 1                                         |                              |                                                  |
| UNDISTRIBUTED |                  |               |                                     | 20.000                                         | 20.000                                         | 2.000                                            | 5                                     | 5                                       | 5                                   | 5                                         |                              |                                                  |
| TOTALS        |                  |               |                                     | 25.000                                         | 53.000                                         | 2.000                                            | 13                                    | 5                                       | 5                                   | 11                                        |                              |                                                  |
|               |                  |               |                                     |                                                |                                                |                                                  |                                       |                                         |                                     |                                           |                              |                                                  |



USH 18 & OAK CREST DR  
WAUKESHA COUNTY  
CATEGORY 0040  
S67-0923

3

STATE FURNISHED MATERIALS SUMMARY

| EACH | DESCRIPTION                                        |
|------|----------------------------------------------------|
| 1    | TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE |
| 1    | TRAFFIC SIGNAL CABINET                             |
| 1    | CELLULAR MODEM                                     |
| 1    | POLES TYPE 10                                      |
| 1    | POLES TYPE 9 SPECIAL                               |
| 2    | POLES TYPE 10 SPECIAL                              |
| 1    | MONOTUBE ARMS 20-FT                                |
| 2    | MONOTUBE ARMS 35-FT TYPE 9/10 SPEC POLE            |
| 1    | MONOTUBE ARMS 45-FT TYPE 9/10 SPEC POLE            |
| 3    | LUMINAIRE ARMS 15-FT                               |
| 4    | EVP DETECTOR HEADS                                 |
| 4    | EVP CONFIRMATION LIGHTS                            |

REMOVING CONCRETE BASES

| 204.0195<br>REMOVING<br>CONCRETE BASES |      |
|----------------------------------------|------|
| SIGNAL<br>BASE NO.                     | EACH |
| CB1                                    | 1    |
| SB1                                    | 1    |
| SB2                                    | 1    |
| SB3                                    | 1    |
| SB4                                    | 1    |
| SB5                                    | 1    |
| SB6                                    | 1    |
| SB7                                    | 1    |
| SB8                                    | 1    |
| SB9                                    | 1    |
| SB10                                   | 1    |
| SB11                                   | 1    |
| SB12                                   | 1    |
| SB13                                   | 1    |
| SB14                                   | 1    |
| SB15                                   | 1    |
| TOTAL                                  | 16   |

TRAFFIC SIGNAL REMOVALS

| 204.9060.S.40<br>REMOVING<br>TRAFFIC SIGNALS                    |      |      |
|-----------------------------------------------------------------|------|------|
| 204.9060.S.41<br>REMOVING LOOP DETECTOR<br>WIRE & LEAD-IN CABLE |      |      |
| LOCATION                                                        | EACH | EACH |
| USH 18 & OAK CREST DR                                           | 1    | 1    |
| TOTAL                                                           | 1    | 1    |

REMOVING PULL BOXES

| 653.0905<br>REMOVING<br>PULL BOXES |      |
|------------------------------------|------|
| PULL BOX<br>NO.                    | EACH |
| PB1                                | 1    |
| PB2                                | 1    |
| PB3                                | 1    |
| PB4                                | 1    |
| PB5                                | 1    |
| PB6                                | 1    |
| PB7                                | 1    |
| PB8                                | 1    |
| PB9                                | 1    |
| PB10                               | 1    |
| PB11                               | 1    |
| PB12                               | 1    |
| PB13                               | 1    |
| PB14                               | 1    |
| PB15                               | 1    |
| PB16                               | 1    |
| PB17                               | 1    |
| TOTAL                              | 17   |

3

USH 18 & OAK CREST DR  
WAUKESHA COUNTY  
CATEGORY 0040  
S67-0923

| LAMP, BALLAST, LED, SWITCH DISPOSAL                     |      |
|---------------------------------------------------------|------|
| 659.5000.S                                              |      |
| LAMP, BALLAST, LED,<br>SWITCH DISPOSAL<br>BY CONTRACTOR |      |
| FIXTURE TYPE                                            | EACH |
| PEDESTRIAN SIGNAL - 16 INCH                             | 8    |
| TRAFFIC SIGNAL, THREE SECTION                           | 10   |
| TRAFFIC SIGNAL, FIVE SECTION                            | 2    |
| HIGH PRESSURE SODIUM LAMP                               | 3    |
| MERCURY SWITCHES                                        | 1    |
| BALLASTS                                                | 3    |
| TOTAL                                                   | 27   |

| LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY) |                                          |                                             |                                            |                                         |                             |                  |
|------------------------------------------------------------|------------------------------------------|---------------------------------------------|--------------------------------------------|-----------------------------------------|-----------------------------|------------------|
| SIGNAL<br>BASE NO.                                         | PEDESTRIAN<br>SIGNAL,<br>16 INCH<br>EACH | TRAFFIC<br>SIGNAL,<br>THREE SECTION<br>EACH | TRAFFIC<br>SIGNAL,<br>FIVE SECTION<br>EACH | HIGH<br>PRESSURE<br>SODIUM LAMP<br>EACH | MERCURY<br>SWITCHES<br>EACH | BALLASTS<br>EACH |
| CB1                                                        | --                                       | --                                          | --                                         | --                                      | 1                           | --               |
| SB1                                                        | --                                       | 2                                           | --                                         | --                                      | --                          | --               |
| SB2                                                        | --                                       | 1                                           | --                                         | 1                                       | --                          | 1                |
| SB3                                                        | --                                       | 2                                           | --                                         | --                                      | --                          | --               |
| SB4                                                        | 1                                        | 1                                           | --                                         | 1                                       | --                          | 1                |
| SB5                                                        | --                                       | 2                                           | --                                         | --                                      | --                          | --               |
| SB6                                                        | --                                       | 1                                           | --                                         | 1                                       | --                          | 1                |
| SB7                                                        | --                                       | 1                                           | 1                                          | --                                      | --                          | --               |
| SB8                                                        | --                                       | --                                          | 1                                          | --                                      | --                          | --               |
| SB9                                                        | 1                                        | --                                          | --                                         | --                                      | --                          | --               |
| SB10                                                       | 1                                        | --                                          | --                                         | --                                      | --                          | --               |
| SB11                                                       | 1                                        | --                                          | --                                         | --                                      | --                          | --               |
| SB12                                                       | 1                                        | --                                          | --                                         | --                                      | --                          | --               |
| SB13                                                       | 1                                        | --                                          | --                                         | --                                      | --                          | --               |
| SB14                                                       | 1                                        | --                                          | --                                         | --                                      | --                          | --               |
| SB15                                                       | 1                                        | --                                          | --                                         | --                                      | --                          | --               |
| TOTAL                                                      | 8                                        | 10                                          | 2                                          | 3                                       | 1                           | 3                |

| CONDUIT |      |               |               |          |
|---------|------|---------------|---------------|----------|
|         |      | 652.0225      | 652.0235      | 652.0615 |
|         |      | CONDUIT RIGID | CONDUIT RIGID | CONDUIT  |
|         |      | NONMETALLIC   | NONMETALLIC   | SPECIAL  |
|         |      | SCHEDULE 40   | SCHEDULE 40   | 3-INCH   |
|         |      | 2-INCH        | 3-INCH        |          |
| FROM    | TO   | L.F.          | L.F.          | L.F.     |
| CB1     | PB1  | --            | 60            | --       |
| PB1     | SB1  | 9             | --            | --       |
| PB1     | SB2  | 17            | --            | --       |
| PB1     | PB2  | 27            | --            | --       |
| PB1     | PB3  | --            | --            | 130      |
| PB3     | SB3  | --            | 21            | --       |
| PB3     | SB4  | 14            | --            | --       |
| PB3     | PB4  | --            | 84            | --       |
| PB4     | SB5  | 16            | --            | --       |
| PB4     | SB6  | 6             | --            | --       |
| PB4     | PB5  | 15            | --            | --       |
| PB5     | PB6  | 229           | --            | --       |
| PB4     | PB7  | --            | --            | 130      |
| PB7     | SB7  | --            | 6             | --       |
| PB7     | SB8  | 13            | --            | --       |
| PB7     | PB8  | --            | 82            | --       |
| PB8     | SB9  | 14            | --            | --       |
| PB8     | SB10 | 9             | --            | --       |
| PB8     | PB9  | 30            | --            | --       |
| PB8     | PB10 | --            | --            | 130      |
| PB10    | SB11 | --            | 5             | --       |
| PB10    | SB12 | 21            | --            | --       |
| PB10    | PB11 | --            | 106           | --       |
| PB11    | SB13 | 9             | --            | --       |
| PB11    | SB14 | 7             | --            | --       |
| PB11    | PB12 | 254           | --            | --       |
| PB11    | PB13 | --            | --            | 140      |
| PB13    | SB15 | 6             | --            | --       |
| PB13    | SB16 | --            | 10            | --       |
| PB13    | PB14 | 25            | --            | --       |
| PB13    | CB1  | --            | 51            | --       |
| TOTAL   |      | 721           | 425           | 530      |



3

USH 18 & OAK CREST DR  
WAUKESHA COUNTY  
CATEGORY 0040  
S67-0923

TRAFFIC DETECTOR LOOPS

| LOOP NO. | HOME RUN PB | LOCATION** ^     | SIZE (FT)x(FT) | NO. OF TURNS | SDD INSTALLATION REFERENCE                                                                     | 652.0800                   | 655.0700                         | 655.0800                |
|----------|-------------|------------------|----------------|--------------|------------------------------------------------------------------------------------------------|----------------------------|----------------------------------|-------------------------|
|          |             |                  |                |              |                                                                                                | CONDUIT LOOP DETECTOR L.F. | LOOP DETECTOR LEAD IN CABLE L.F. | LOOP DETECTOR WIRE L.F. |
| 11       | PB14        | 65+80.2, 6.0'LT  | 6'x20'         | 3            | 9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPlice) BOX OFF ROADWAY (OPTION 2) | 102                        | 56                               | 306                     |
| 12       | PB14        | 66+08.2, 6.0'LT  | 6'x20'         | 3            | 9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPlice) BOX OFF ROADWAY (OPTION 2) | 102                        | 56                               | 306                     |
| 21       | PB6         | 69+84.6, 18.0'LT | 6'x6'          | 5            | 9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPlice) BOX OFF ROADWAY (OPTION 2) | 46                         | 385                              | 230                     |
| 31       | PB9         | 66+78.3, 91.2'RT | 6'x20'         | 3            | 9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPlice) BOX OFF ROADWAY (OPTION 2) | 108                        | 249                              | 324                     |
| 32       | PB9         | 66+73.4, 53.5'RT | 6'x30'         | 3            | 9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPlice) BOX OFF ROADWAY (OPTION 2) | 126                        | 249                              | 378                     |
| 41       | PB2         | 66+61.4, 78.2'LT | 6'x20'         | 3            | 9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPlice) BOX OFF ROADWAY (OPTION 2) | 78                         | 61                               | 234                     |
| 42       | PB2         | 66+59.4, 40.2'LT | 6'x30'         | 3            | 9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPlice) BOX OFF ROADWAY (OPTION 2) | 94                         | 61                               | 282                     |
| 51       | PB5         | 67+59.4, 6.0'LT  | 6'x20'         | 3            | 9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPlice) BOX OFF ROADWAY (OPTION 2) | 96                         | 156                              | 288                     |
| 52       | PB5         | 67+31.4, 6.0'LT  | 6'x20'         | 3            | 9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPlice) BOX OFF ROADWAY (OPTION 2) | 98                         | 156                              | 294                     |
| 61       | PB12        | 63+53.4, 17.9'RT | 6'x6'          | 5            | 9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPlice) BOX OFF ROADWAY (OPTION 2) | 50                         | 355                              | 250                     |
| 62       | PB12        | 63+53.4, 6.0'RT  | 6'x6'          | 5            | 9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPlice) BOX OFF ROADWAY (OPTION 2) | 74                         | 355                              | 370                     |
| 81       | PB9         | 66+90.7, 89.7'RT | 6'x20'         | 3            | 9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPlice) BOX OFF ROADWAY (OPTION 2) | 84                         | 249                              | 252                     |
| 82       | PB9         | 66+85.7, 52.0'RT | 6'x30'         | 3            | 9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPlice) BOX OFF ROADWAY (OPTION 2) | 102                        | 249                              | 306                     |
| TOTAL    |             |                  |                |              |                                                                                                | 1160                       | 2637                             | 3820                    |

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.  
\*\* LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

PULL BOXES

| PULL BOX NO. | LOCATION ^       | 653.0135                         | 653.0140                         |
|--------------|------------------|----------------------------------|----------------------------------|
|              |                  | PULL BOXES STEEL 24x36-INCH EACH | PULL BOXES STEEL 24x42-INCH EACH |
| PB1          | 66+37.4, 47.3'LT | --                               | 1                                |
| PB2          | 66+47.8, 71.8'LT | 1                                | --                               |
| PB3          | 67+01.6, 47.9'LT | --                               | 1                                |
| PB4          | 67+39.6, 33.3'LT | --                               | 1                                |
| PB5          | 67+53.6, 30.6'LT | 1                                | --                               |
| PB6          | 69+82.5, 31.2'LT | 1                                | --                               |
| PB7          | 67+37.7, 31.3'RT | --                               | 1                                |
| PB8          | 67+08.4, 55.3'RT | --                               | 1                                |
| PB9          | 67+07.2, 82.8'RT | 1                                | --                               |
| PB10         | 66+45.3, 66.7'RT | --                               | 1                                |
| PB11         | 66+09.3, 35.9'RT | --                               | 1                                |
| PB12         | 63+55.4, 32.9'RT | 1                                | --                               |
| PB13         | 66+09.4, 33.1'LT | --                               | 1                                |
| PB14         | 65+84.6, 33.1'LT | 1                                | --                               |
| TOTAL        |                  | 6                                | 8                                |

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

3

USH 18 & OAK CREST DR  
WAUKESHA COUNTY  
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|                    |                  | CONCRETE BASES          |                          |                                  |                                         |
|--------------------|------------------|-------------------------|--------------------------|----------------------------------|-----------------------------------------|
| SIGNAL<br>BASE NO. | LOCATION ^       | 654.0101                | 654.0110                 | 654.0120                         | 654.0217                                |
|                    |                  | CONCRETE                | CONCRETE                 | CONCRETE                         | CONCRETE CONTROL                        |
|                    |                  | BASES<br>TYPE 1<br>EACH | BASES<br>TYPE 10<br>EACH | BASES<br>TYPE 10-SPECIAL<br>EACH | CABINET BASES<br>TYPE 9 SPECIAL<br>EACH |
| CB1                | 66+18.2, 47.4'LT | --                      | --                       | --                               | 1                                       |
| SB1                | 66+29.7, 44.5'LT | 1                       | --                       | --                               | --                                      |
| SB2                | 66+46.2, 60.7'LT | 1                       | --                       | --                               | --                                      |
| SB3                | 66+93.7, 66.6'LT | --                      | --                       | 1                                | --                                      |
| SB4                | 67+14.5, 43.7'LT | 1                       | --                       | --                               | --                                      |
| SB5                | 67+24.8, 38.5'LT | 1                       | --                       | --                               | --                                      |
| SB6                | 67+34.7, 31.0'LT | 1                       | --                       | --                               | --                                      |
| SB7                | 67+41.9, 35.0'LT | --                      | --                       | 1                                | --                                      |
| SB8                | 67+38.8, 39.6'RT | 1                       | --                       | --                               | --                                      |
| SB9                | 67+19.3, 46.6'RT | 1                       | --                       | --                               | --                                      |
| SB10               | 67+07.0, 63.9'RT | 1                       | --                       | --                               | --                                      |
| SB11               | 66+42.4, 63.2'RT | --                      | 1                        | --                               | --                                      |
| SB12               | 66+35.5, 49.7'RT | 1                       | --                       | --                               | --                                      |
| SB13               | 66+15.5, 41.7'RT | 1                       | --                       | --                               | --                                      |
| SB14               | 66+03.4, 33.7'RT | 1                       | --                       | --                               | --                                      |
| SB15               | 66+14.4, 35.9'LT | 1                       | --                       | --                               | --                                      |
| SB16               | 66+01.5, 35.5'LT | --                      | --                       | 1                                | --                                      |
| TOTAL              |                  | 12                      | 1                        | 3                                | 1                                       |

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

|       |      | TRAFFIC SIGNAL CABLE AND WIRE      |                                     |                                 |
|-------|------|------------------------------------|-------------------------------------|---------------------------------|
| FROM  | TO   | 655.0240                           | 655.0260                            | 655.0320                        |
|       |      | CABLE                              | CABLE                               | CABLE TYPE                      |
|       |      | TRAFFIC SIGNAL<br>7-14 AWG<br>L.F. | TRAFFIC SIGNAL<br>12-14 AWG<br>L.F. | UF 2-10 AWG<br>GROUNDED<br>L.F. |
| CB1   | SB1  | 56                                 | --                                  | --                              |
| CB1   | SB2  | --                                 | 64                                  | --                              |
| CB1   | SB3  | --                                 | 149                                 | --                              |
| CB1   | SB4  | 142                                | --                                  | --                              |
| CB1   | SB5  | 202                                | --                                  | --                              |
| CB1   | SB6  | --                                 | 192                                 | --                              |
| CB1   | SB7  | --                                 | 273                                 | --                              |
| CB1   | SB8  | 280                                | --                                  | --                              |
| CB1   | SB9  | 294                                | --                                  | --                              |
| CB1   | SB10 | --                                 | 289                                 | --                              |
| CB1   | SB11 | --                                 | 204                                 | --                              |
| CB1   | SB12 | 220                                | --                                  | --                              |
| CB1   | SB13 | 139                                | --                                  | --                              |
| CB1   | SB14 | --                                 | 137                                 | --                              |
| CB1   | SB15 | 50                                 | --                                  | --                              |
| CB1   | SB16 | --                                 | 54                                  | --                              |
| CB1   | SB3  | --                                 | --                                  | 149                             |
| SB3   | SB7  | --                                 | --                                  | 190                             |
| CB1   | SB11 | --                                 | --                                  | 204                             |
| TOTAL |      | 1383 *                             | 1362                                | 543                             |

\* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

USH 18 & OAK CREST DR  
WAUKESHA COUNTY  
CATEGORY 0040  
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| TRAFFIC SIGNAL CABLE AND WIRE |      |      |
|-------------------------------|------|------|
| 655.0515                      |      |      |
| ELECTRICAL WIRE               |      |      |
| TRAFFIC SIGNALS               |      |      |
| 10 AWG                        |      |      |
| FROM                          | TO   | L.F. |
| CB1                           | SB1  | 56   |
| SB1                           | SB2  | 50   |
| SB2                           | SB3  | 143  |
| SB3                           | SB4  | 59   |
| SB4                           | SB5  | 112  |
| SB5                           | SB6  | 46   |
| SB6                           | SB7  | 117  |
| SB7                           | SB8  | 43   |
| SB8                           | SB9  | 108  |
| SB9                           | SB10 | 47   |
| SB10                          | SB11 | 119  |
| SB11                          | SB12 | 50   |
| SB12                          | SB13 | 123  |
| SB13                          | SB14 | 40   |
| SB14                          | SB15 | 123  |
| SB15                          | SB16 | 40   |
| SB16                          | CB1  | 54   |
| PB1                           | CB1  | 43   |
| PB3                           | SB3  | 41   |
| PB4                           | SB6  | 26   |
| PB7                           | SB7  | 26   |
| PB8                           | SB10 | 29   |
| PB10                          | SB11 | 25   |
| PB11                          | SB14 | 27   |
| PB13                          | SB16 | 30   |
| TOTAL                         |      | 1577 |

| TRAFFIC SIGNAL CABLE AND WIRE |         |      |       |
|-------------------------------|---------|------|-------|
| 655.0230                      |         |      |       |
| CABLE                         |         |      |       |
| TRAFFIC SIGNAL                |         |      |       |
| 5-14 AWG                      |         |      |       |
| FROM                          | TO      | L.F. | L.F.  |
| SB1                           | HEAD 19 | 15   | --    |
| SB2                           | HEAD 14 | --   | 22    |
| SB2                           | HEAD 16 | 21   | --    |
| SB3                           | HEAD 12 | 60   | --    |
| SB3                           | HEAD 13 | 21   | --    |
| SB3                           | HEAD 15 | --   | 61    |
| SB4                           | HEAD 20 | 15   | --    |
| SB5                           | HEAD 21 | 15   | --    |
| SB6                           | HEAD 4  | --   | 22    |
| SB6                           | HEAD 6  | 21   | --    |
| SB7                           | HEAD 2  | 70   | --    |
| SB7                           | HEAD 3  | 21   | --    |
| SB7                           | HEAD 5  | --   | 71    |
| SB8                           | HEAD 22 | 15   | --    |
| SB9                           | HEAD 23 | 15   | --    |
| SB10                          | HEAD 11 | 19   | --    |
| SB10                          | HEAD 17 | 19   | --    |
| SB11                          | HEAD 18 | 45   | --    |
| SB12                          | HEAD 24 | 15   | --    |
| SB13                          | HEAD 25 | 15   | --    |
| SB14                          | HEAD 1  | 21   | --    |
| SB14                          | HEAD 9  | --   | 22    |
| SB15                          | HEAD 26 | 15   | --    |
| SB16                          | HEAD 7  | 60   | --    |
| SB16                          | HEAD 8  | 21   | --    |
| SB16                          | HEAD 10 | --   | 61    |
| TOTAL                         |         | 519  | 259 * |

\* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

| TRAFFIC SIGNAL CABLE AND WIRE |        |      |
|-------------------------------|--------|------|
| 655.0610                      |        |      |
| ELECTRICAL WIRE               |        |      |
| LIGHTING                      |        |      |
| 12 AWG                        |        |      |
| FROM                          | TO     | L.F. |
| SB3                           | LUMIN. | 144  |
| SB7                           | LUMIN. | 144  |
| SB11                          | LUMIN. | 144  |
| TOTAL                         |        | 432  |

| TRAFFIC SIGNAL EVP DETECTOR CABLE |               |      |
|-----------------------------------|---------------|------|
| 655.0900                          |               |      |
| TRAFFIC SIGNAL                    |               |      |
| EVP DETECTOR                      |               |      |
| CABLE                             |               |      |
| FROM                              | TO            | L.F. |
| CB1                               | SB16 (HEAD A) | 119  |
| CB1                               | SB7 (HEAD B)  | 348  |
| CB1                               | SB11 (HEAD C) | 254  |
| CB1                               | SB3 (HEAD D)  | 214  |
| TOTAL                             |               | 935  |

| ELECTRICAL SERVICE METER BREAKER PEDESTAL |      |
|-------------------------------------------|------|
| 656.0201.01                               |      |
| ELECTRICAL SERVICE                        |      |
| METER BREAKER                             |      |
| PEDESTAL                                  |      |
| LOCATION ^                                | EACH |
| USH 18 & OAK CREST DR                     | 1    |
| TOTAL                                     | 1    |

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

3

USH 18 & OAK CREST DR  
WAUKESHA COUNTY  
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S67-0923

3

| POLES (STATE FURNISHED) |                                            |                                                   |                                                    |                                                  |                                                  |                                                  |                                                         |                                            |
|-------------------------|--------------------------------------------|---------------------------------------------------|----------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|--------------------------------------------|
|                         | SPV.0060.40<br>INSTALL<br>POLES<br>TYPE 10 | SPV.0060.41<br>INSTALL<br>POLES<br>TYPE 9 SPECIAL | SPV.0060.42<br>INSTALL<br>POLES<br>TYPE 10 SPECIAL | SPV.0060.43<br>INSTALL<br>MONOTUBE<br>ARMS 20-FT | SPV.0060.44<br>INSTALL<br>MONOTUBE<br>ARMS 35-FT | SPV.0060.45<br>INSTALL<br>MONOTUBE<br>ARMS 45-FT | SPV.0060.46<br>INSTALL<br>LUMINAIRE ARMS<br>STEEL 15-FT | 659.1125<br>LUMINAIRES<br>UTILITY<br>LED C |
| SIGNAL<br>BASE NO.      | EACH                                       | EACH                                              | EACH                                               | EACH                                             | TYPE 9/10 SPEC POLE<br>EACH                      | TYPE 9/10 SPEC POLE<br>EACH                      | EACH                                                    | EACH                                       |
| SB3                     | --                                         | --                                                | 1                                                  | --                                               | 1                                                | --                                               | 1                                                       | 1                                          |
| SB7                     | --                                         | --                                                | 1                                                  | --                                               | --                                               | 1                                                | 1                                                       | 1                                          |
| SB11                    | 1                                          | --                                                | --                                                 | 1                                                | --                                               | --                                               | 1                                                       | 1                                          |
| SB16                    | --                                         | 1                                                 | --                                                 | --                                               | 1                                                | --                                               | --                                                      | --                                         |
| TOTAL                   | 1                                          | 1                                                 | 2                                                  | 1                                                | 2                                                | 1                                                | 3                                                       | 3                                          |

| POLES (CONTRACTOR FURNISHED) |                             |               |                             |               |                 |
|------------------------------|-----------------------------|---------------|-----------------------------|---------------|-----------------|
|                              | 657.0100                    | 657.0420      | 657.0425                    | 657.0430      | 658.0500        |
|                              | TRAFFIC SIGNAL<br>STANDARDS |               | TRAFFIC SIGNAL<br>STANDARDS |               | PEDESTRIAN      |
|                              | PEDESTAL                    | ALUMINUM      | ALUMINUM                    | ALUMINUM      | PUSH            |
| SIGNAL<br>BASE NO.           | BASES<br>EACH               | 13-FT<br>EACH | 15-FT<br>EACH               | 10-FT<br>EACH | BUTTONS<br>EACH |
| SB1                          | 1                           | --            | --                          | 1             | 1               |
| SB2                          | 1                           | --            | 1                           | --            | --              |
| SB4                          | 1                           | --            | --                          | 1             | 1               |
| SB5                          | 1                           | --            | --                          | 1             | 1               |
| SB6                          | 1                           | --            | 1                           | --            | --              |
| SB8                          | 1                           | --            | --                          | 1             | 1               |
| SB9                          | 1                           | --            | --                          | 1             | 1               |
| SB10                         | 1                           | 1             | --                          | --            | --              |
| SB12                         | 1                           | --            | --                          | 1             | 1               |
| SB13                         | 1                           | --            | --                          | 1             | 1               |
| SB14                         | 1                           | --            | 1                           | --            | --              |
| SB15                         | 1                           | --            | --                          | 1             | 1               |
| TOTAL                        | 12                          | 1             | 3                           | 8             | 8               |

| FACES              |                    |                    |                    |                 |
|--------------------|--------------------|--------------------|--------------------|-----------------|
|                    |                    | 658.0173           | 658.0174           | 658.0416        |
|                    |                    | TRAFFIC            | TRAFFIC            | PEDESTRIAN      |
|                    |                    | SIGNAL FACE        | SIGNAL FACE        | SIGNAL FACE     |
| SIGNAL<br>HEAD NO. | SIGNAL<br>BASE NO. | 3S 12-INCH<br>EACH | 4S 12-INCH<br>EACH | 16-INCH<br>EACH |
| 1                  | SB14               | 1                  | --                 | --              |
| 2                  | SB7                | 1                  | --                 | --              |
| 3                  | SB7                | 1                  | --                 | --              |
| 4                  | SB6                | --                 | 1                  | --              |
| 5                  | SB7                | --                 | 1                  | --              |
| 6                  | SB6                | 1                  | --                 | --              |
| 7                  | SB16               | 1                  | --                 | --              |
| 8                  | SB16               | 1                  | --                 | --              |
| 9                  | SB14               | --                 | 1                  | --              |
| 10                 | SB16               | --                 | 1                  | --              |
| 11                 | SB10               | 1                  | --                 | --              |
| 12                 | SB3                | 1                  | --                 | --              |
| 13                 | SB3                | 1                  | --                 | --              |
| 14                 | SB2                | --                 | 1                  | --              |
| 15                 | SB3                | --                 | 1                  | --              |
| 16                 | SB2                | 1                  | --                 | --              |
| 17                 | SB10               | 1                  | --                 | --              |
| 18                 | SB11               | 1                  | --                 | --              |
| 19                 | SB1                | --                 | --                 | 1               |
| 20                 | SB4                | --                 | --                 | 1               |
| 21                 | SB5                | --                 | --                 | 1               |
| 22                 | SB8                | --                 | --                 | 1               |
| 23                 | SB9                | --                 | --                 | 1               |
| 24                 | SB12               | --                 | --                 | 1               |
| 25                 | SB13               | --                 | --                 | 1               |
| 26                 | SB15               | --                 | --                 | 1               |
| TOTAL              |                    | 12                 | 6                  | 8               |

3

USH 18 & OAK CREST DR  
WAUKESHA COUNTY  
CATEGORY 0040  
S67-0923

3

| SIGNAL MOUNTING HARDWARE |                                        |
|--------------------------|----------------------------------------|
|                          | 658.5070.01                            |
|                          | SIGNAL<br>MOUNTING<br>HARDWARE<br>EACH |
| LOCATION                 |                                        |
| USH 18 & OAK CREST DR    | 1                                      |
| TOTAL                    | 1                                      |

| TRANSPORT AND INSTALL<br>STATE FURNISHED TRAFFIC SIGNAL CABINET |                                                               |
|-----------------------------------------------------------------|---------------------------------------------------------------|
|                                                                 | SPV.0060.47                                                   |
|                                                                 | TRNSPT & INSTALL STATE FURN<br>TRAFFIC SIGNAL CABINET<br>EACH |
| LOCATION                                                        |                                                               |
| USH 18 & OAK CREST DR (CB1)                                     | 1                                                             |
| TOTAL                                                           | 1                                                             |

| TRANSPORT TRAFFIC SIGNAL<br>AND INTERSECTION LIGHTING MATERIALS |                                                             |
|-----------------------------------------------------------------|-------------------------------------------------------------|
|                                                                 | SPV.0060.48                                                 |
|                                                                 | TRNSPT TRAFFIC SIGNAL &<br>INTER LIGHTING MATERIALS<br>EACH |
| LOCATION                                                        |                                                             |
| USH 18 & OAK CREST DR                                           | 1                                                           |
| TOTAL                                                           | 1                                                           |

| EVP DETECTOR HEAD INSTALLATION |                                                                   |
|--------------------------------|-------------------------------------------------------------------|
|                                | SPV.0060.49                                                       |
|                                | TRNSPT & INSTALL STATE FURN<br>EVP HEADS & CONFIRM LIGHTS<br>EACH |
| LOCATION                       |                                                                   |
| USH 18 & OAK CREST DR          | 1                                                                 |
| TOTAL                          | 1                                                                 |



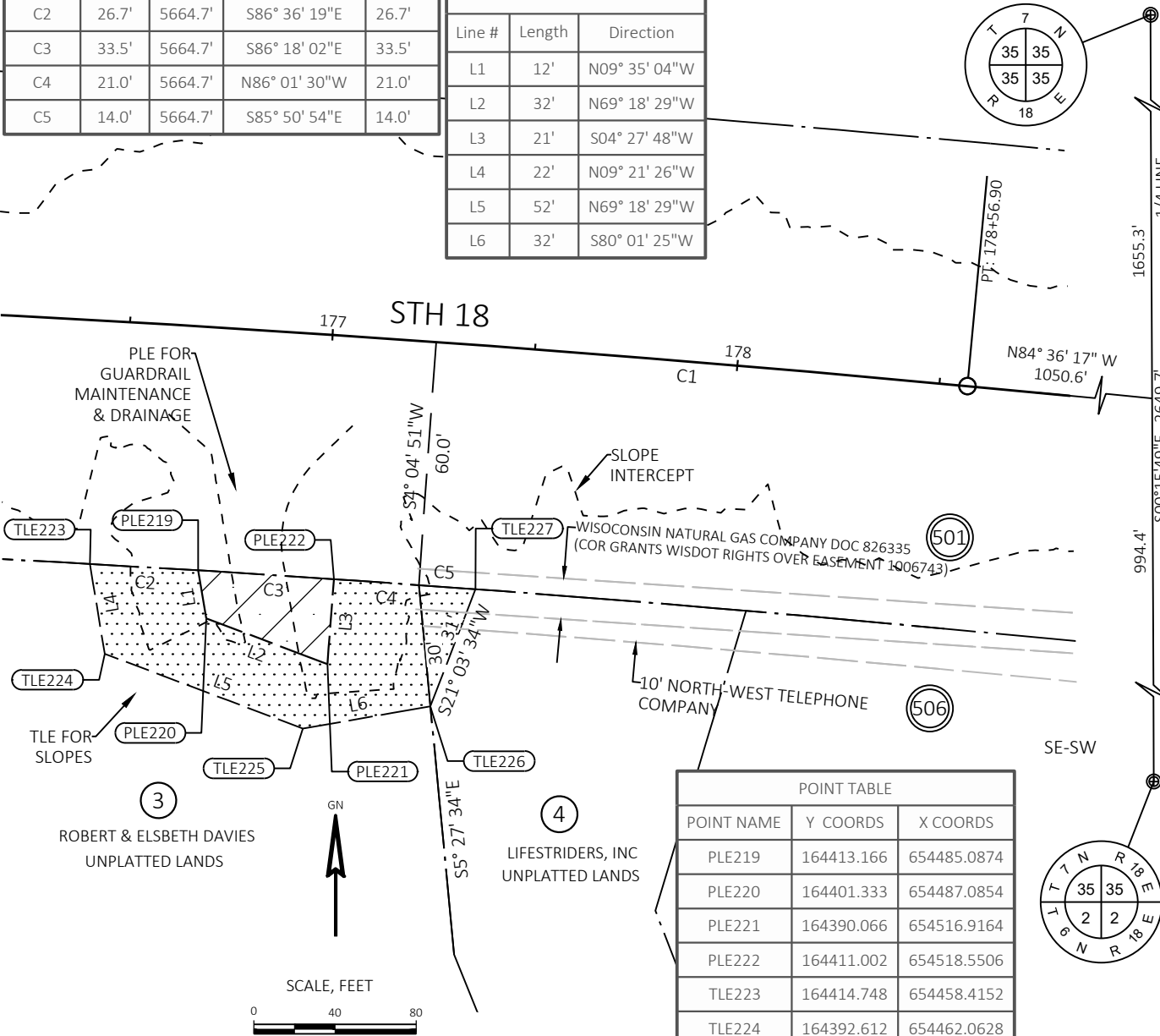


R/W PROJECT NUMBER: 2210-12-20 SHEET NUMBER: 4.03

R/W ACQUISITION EXHIBIT  
SUMMIT AVE, TOWN DELAFIELD  
STH 83 TO CTH 318  
USH 18 WAUKESHA COUNTY  
PART OF THE SE 1/4 OF THE SW 1/4 OF SECTION 35, IN T7N, R18E, TOWN OF  
DELAFIELD, WAUKESHA COUNTY, WISCONSIN

| Curve Table |        |         |               |        |
|-------------|--------|---------|---------------|--------|
| Curve #     | Length | Radius  | CHORD BEARING | CHORD  |
| C1          | 131.3' | 5724.7' | N85° 15' 43"W | 131.3' |
| C2          | 26.7'  | 5664.7' | S86° 36' 19"E | 26.7'  |
| C3          | 33.5'  | 5664.7' | S86° 18' 02"E | 33.5'  |
| C4          | 21.0'  | 5664.7' | N86° 01' 30"W | 21.0'  |
| C5          | 14.0'  | 5664.7' | S85° 50' 54"E | 14.0'  |

| Line Table |        |               |
|------------|--------|---------------|
| Line #     | Length | Direction     |
| L1         | 12'    | N09° 35' 04"W |
| L2         | 32'    | N69° 18' 29"W |
| L3         | 21'    | S04° 27' 48"W |
| L4         | 22'    | N09° 21' 26"W |
| L5         | 52'    | N69° 18' 29"W |
| L6         | 32'    | S80° 01' 25"W |



#### SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

| PARCEL NUMBER | OWNER                    | INTEREST REQUIRED | TLE S.F. | PLE S.F. |
|---------------|--------------------------|-------------------|----------|----------|
| 3(2)          | ROBERT & ELSEBETH DAVIES | PLE, TLE          | 1982     | 518      |
| 4             | LIFSTRIDERS, INC         | TLE               | 207      | --       |
| --            | --                       | --                | --       | --       |

#### UTILITY INTERESTS REQUIRED

| UTILITY NUMBER | OWNER           | INTEREST REQUIRED |  |  |
|----------------|-----------------|-------------------|--|--|
| 501            | WE ENERGIES GAS | ROR               |  |  |
| 506            | CENTURYLINK     | ROR               |  |  |

#### NOTES:

THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS. COORDINATES AND BEARINGS ON THIS EXHIBIT ARE REFERENCED TO WISCONSIN COUNTY COORDINATE SYSTEM, WAUKESHA COUNTY ZONE, NAD 83 (2011) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS EXHIBIT

REVISED 1/25/2022

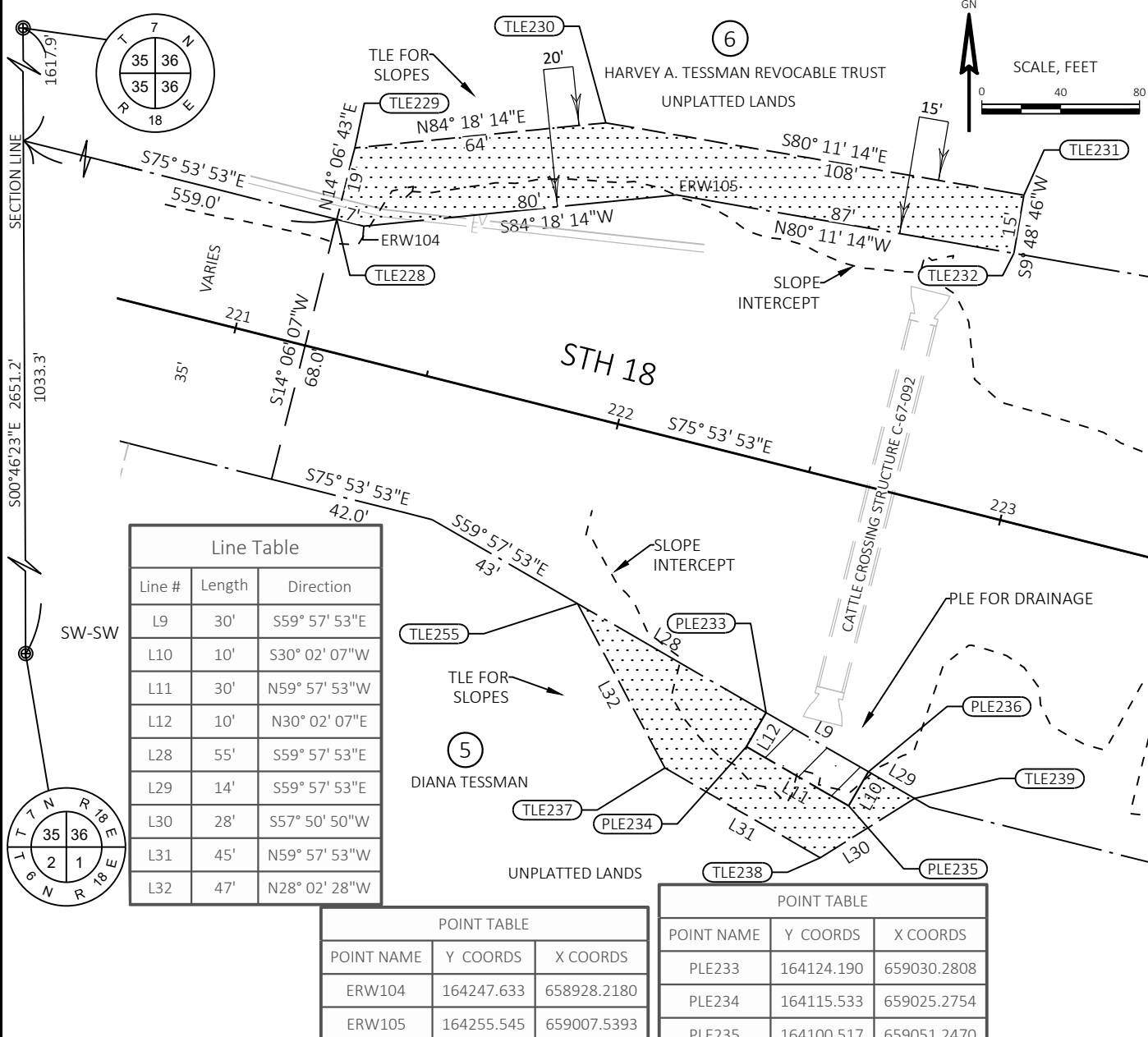
REVISED 3/08/2022

R/W PROJECT NUMBER: 2210-12-20 SHEET NUMBER: 4.04

R/W ACQUISITION EXHIBIT  
SUMMIT AVE, TOWN DELAFIELD  
STH 83 TO CTH 318  
USH 18 WAUKESHA COUNTY  
PART OF THE SW 1/4 OF THE SW 1/4 OF SECTION 36, IN T7N, R18E, TOWN OF  
DELAFIELD, WAUKESHA COUNTY, WISCONSIN

#### NOTES:

THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS. COORDINATES AND BEARINGS ON THIS EXHIBIT ARE REFERENCED TO WISCONSIN COUNTY COORDINATE SYSTEM, WAUKESHA COUNTY ZONE, NAD 83 (2011) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS EXHIBIT



| Line Table |        |               |
|------------|--------|---------------|
| Line #     | Length | Direction     |
| L9         | 30'    | S59° 57' 53"E |
| L10        | 10'    | S30° 02' 07"W |
| L11        | 30'    | N59° 57' 53"W |
| L12        | 10'    | N30° 02' 07"E |
| L28        | 55'    | S59° 57' 53"E |
| L29        | 14'    | S59° 57' 53"E |
| L30        | 28'    | S57° 50' 50"W |
| L31        | 45'    | N59° 57' 53"W |
| L32        | 47'    | N28° 02' 28"W |

| POINT TABLE |            |             |
|-------------|------------|-------------|
| POINT NAME  | Y COORDS   | X COORDS    |
| ERW104      | 164247.633 | 658928.2180 |
| ERW105      | 164255.545 | 659007.5393 |

#### SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

| PARCEL NUMBER | OWNER                             | INTEREST REQUIRED | TLE S.F. | PLE S.F. |
|---------------|-----------------------------------|-------------------|----------|----------|
| 5(3)          | DIANA TESSMAN                     | PLE, TLE          | 1504     | 300      |
| 6             | HARVEY A. TESSMAN REVOCABLE TRUST | TLE               | 2962     | --       |
| --            | --                                | --                | --       | --       |

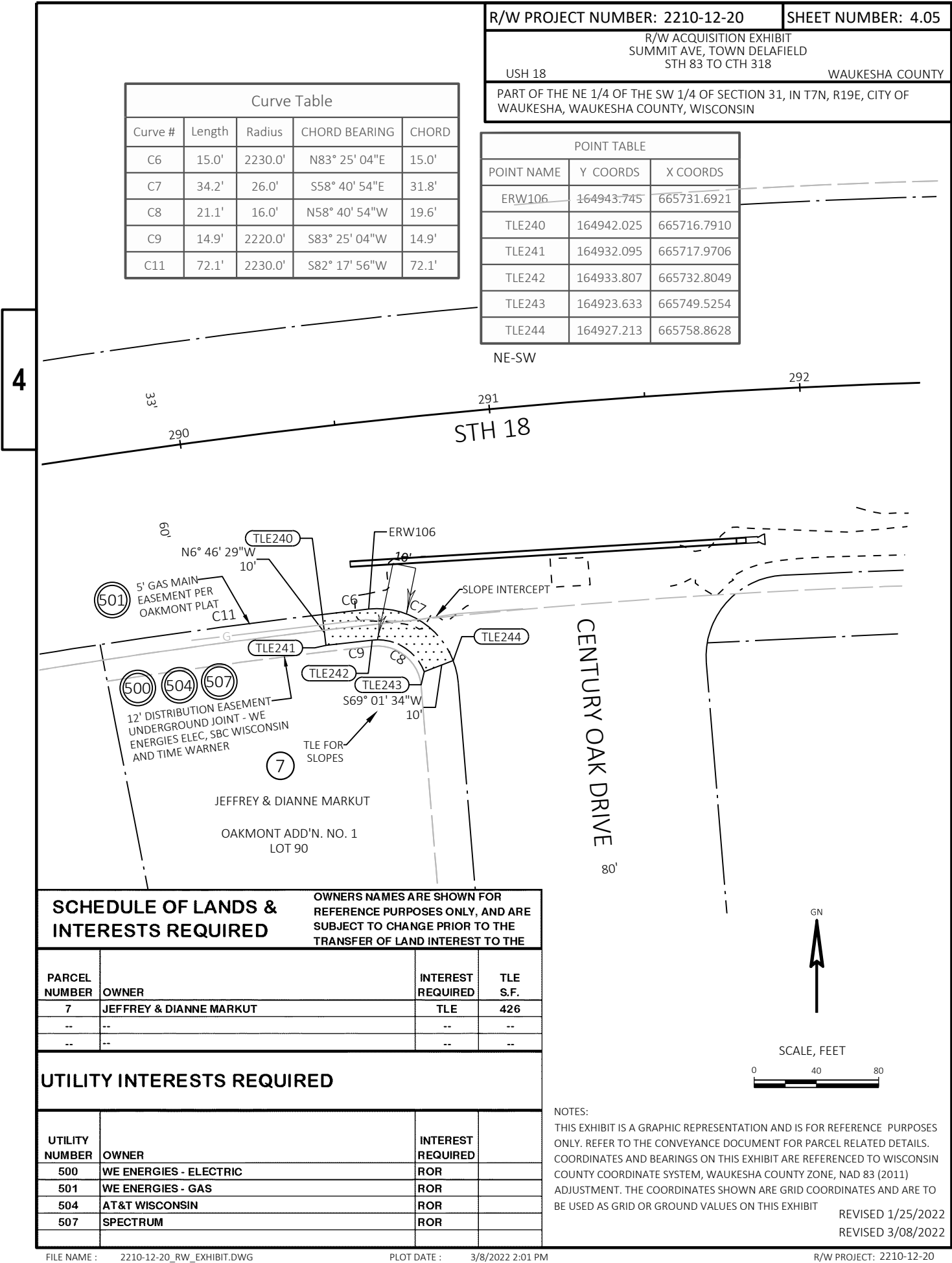
#### UTILITY INTERESTS REQUIRED

| UTILITY NUMBER | OWNER | INTEREST REQUIRED |  |  |
|----------------|-------|-------------------|--|--|
|                |       |                   |  |  |
|                |       |                   |  |  |

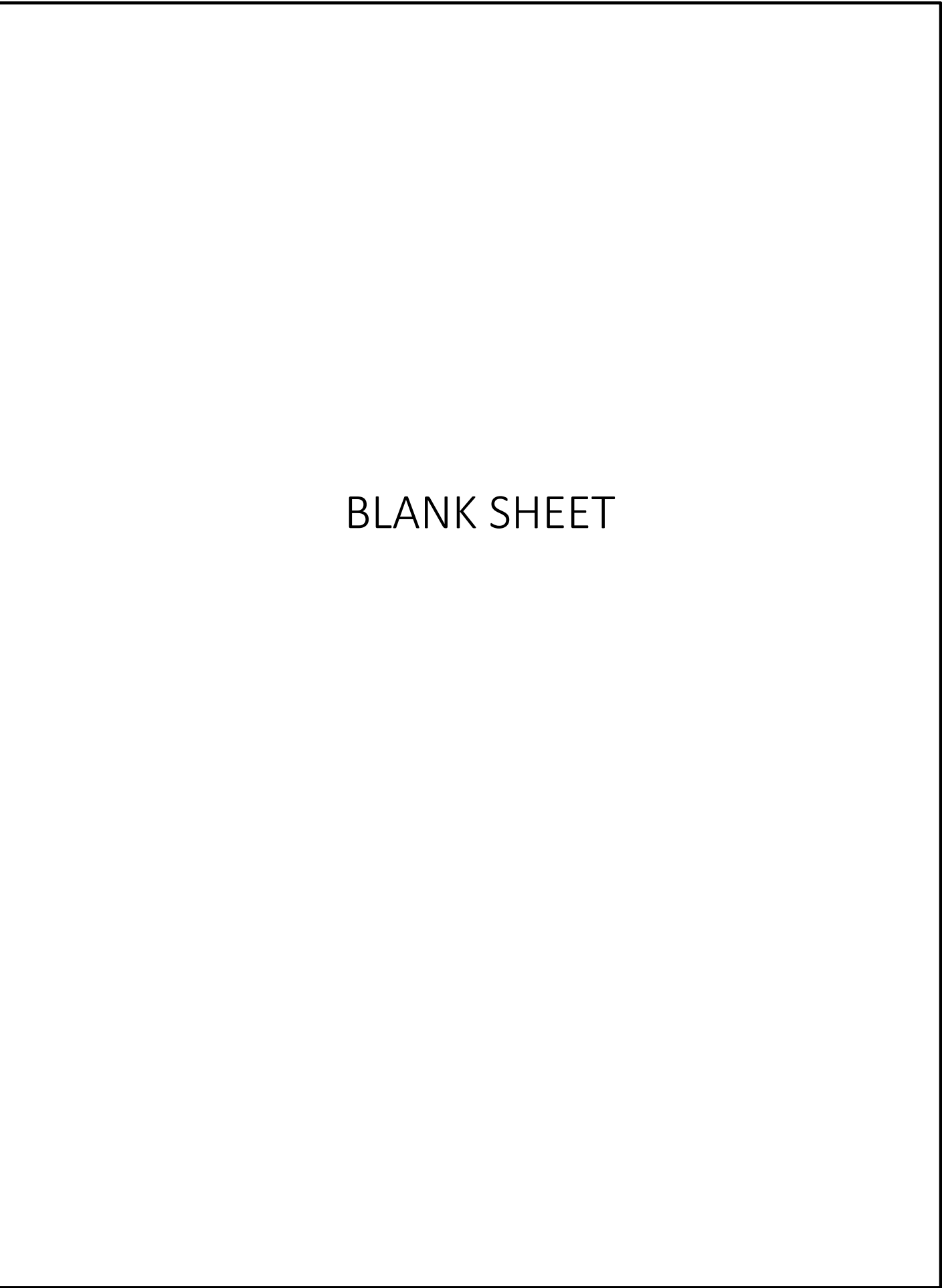
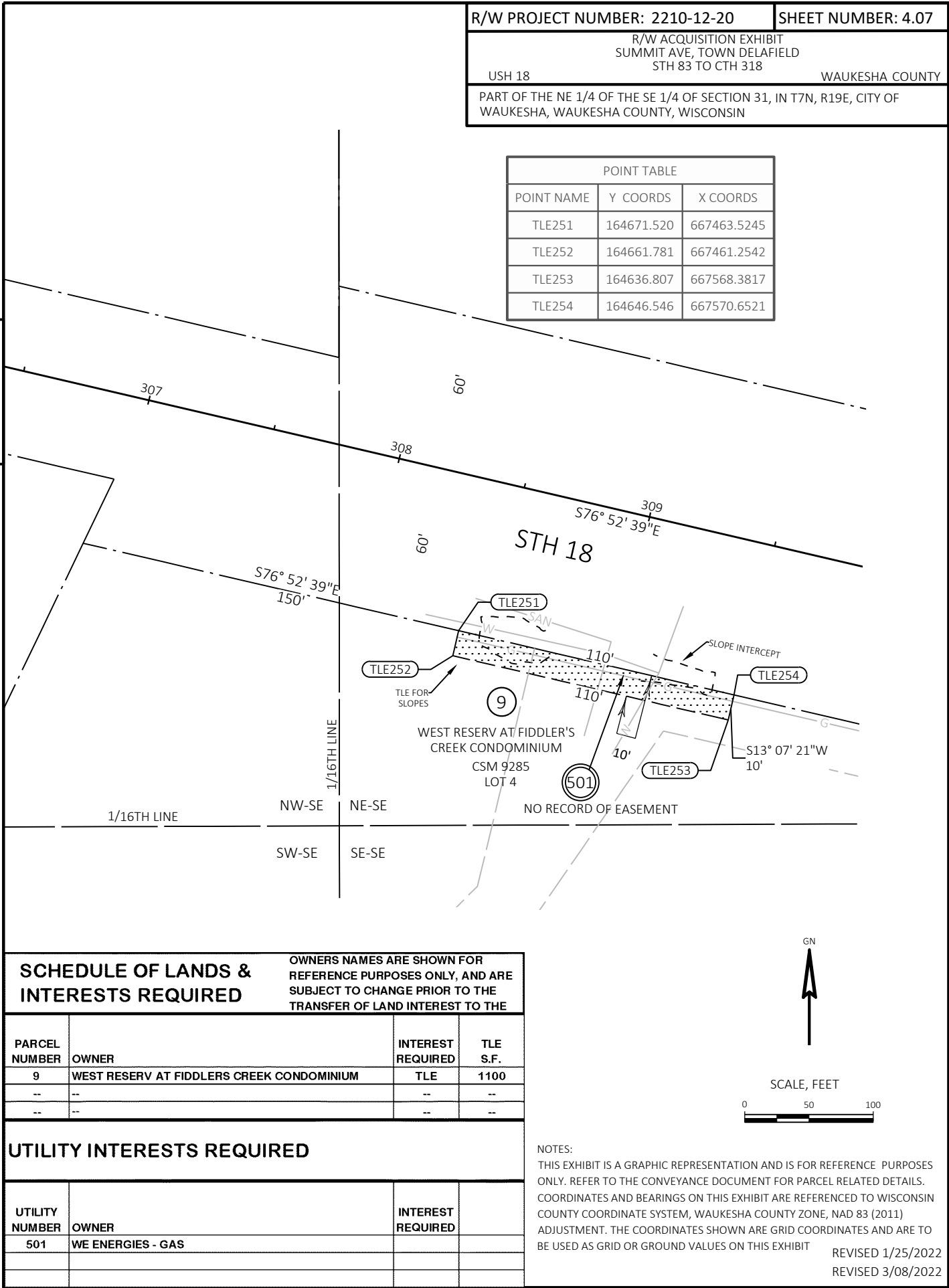
| POINT TABLE |            |             |
|-------------|------------|-------------|
| POINT NAME  | Y COORDS   | X COORDS    |
| PLE233      | 164124.190 | 659030.2808 |
| PLE234      | 164115.533 | 659025.2754 |
| PLE235      | 164100.517 | 659051.2470 |
| PLE236      | 164109.174 | 659056.2523 |
| TLE228      | 164249.346 | 658921.4071 |
| TLE229      | 164267.509 | 658925.9733 |
| TLE230      | 164273.861 | 658989.6573 |
| TLE231      | 164255.521 | 659095.6933 |
| TLE232      | 164240.741 | 659093.1368 |
| TLE237      | 164110.136 | 659004.6419 |
| TLE238      | 164087.367 | 659044.0228 |
| TLE239      | 164102.409 | 659067.9530 |
| TLE255      | 164151.864 | 658982.4165 |

REVISED 1/25/2022

REVISED 3/08/2022







DIVISION 1 - ALI-USH 18

| STATION   | REAL STATION | DISTANCE | AREA (SF) |                                        |       |           |          |        | INCREMENTAL VOL (CY) (UNADJUSTED) |                                        |      |           |          |     | CUMULATIVE VOL (CY) |               |                            |               |                          |                          |                        |              |
|-----------|--------------|----------|-----------|----------------------------------------|-------|-----------|----------|--------|-----------------------------------|----------------------------------------|------|-----------|----------|-----|---------------------|---------------|----------------------------|---------------|--------------------------|--------------------------|------------------------|--------------|
|           |              |          | CUT       | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL  | MARSH EXC | ROCK EXC | EBS    | CUT                               | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL | MARSH EXC | ROCK EXC | EBS | CUT                 | EXPANDED FILL | EXPANDED MARSH<br>BACKFILL | EXPANDED ROCK | EXPANDED EBS<br>BACKFILL | REDUCED MARSH<br>IN FILL | REDUCED EBS<br>IN FILL | MASS ORDNATE |
|           |              |          |           |                                        |       |           |          |        |                                   |                                        |      |           |          |     |                     |               |                            |               |                          |                          |                        |              |
|           |              |          |           |                                        |       |           |          |        |                                   |                                        |      |           |          |     |                     |               |                            |               |                          |                          |                        |              |
| NOTE 1    | NOTE 2       | NOTE 3   | NOTE 1    | 1.25                                   | 1.00  | 1.00      | 1.00     | NOTE 6 | NOTE 7                            | NOTE 8                                 |      |           |          |     |                     |               |                            |               |                          |                          |                        |              |
| 163+00.00 | 16300.00     | 0.00     | 14.50     | 0.00                                   | 2.33  | 0.00      | 0.00     | 0      | 0                                 | 0                                      | 0    | 0         | 0        | 0   | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 0                      |              |
| 163+50.00 | 16350.00     | 50.00    | 11.86     | 0.00                                   | 13.47 | 0.00      | 0.00     | 24     | 0                                 | 15                                     | 0    | 0         | 0        | 24  | 19                  | 0             | 0                          | 0             | 0                        | 0                        | 5                      |              |
| 164+00.00 | 16400.00     | 50.00    | 16.95     | 0.00                                   | 2.13  | 0.00      | 0.00     | 27     | 0                                 | 14                                     | 0    | 0         | 0        | 51  | 36                  | 0             | 0                          | 0             | 0                        | 0                        | 15                     |              |
| 164+50.00 | 16450.00     | 50.00    | 15.65     | 0.00                                   | 1.44  | 0.00      | 0.00     | 30     | 0                                 | 3                                      | 0    | 0         | 0        | 81  | 40                  | 0             | 0                          | 0             | 0                        | 0                        | 41                     |              |
| 165+00.00 | 16500.00     | 50.00    | 18.23     | 0.00                                   | 2.73  | 0.00      | 0.00     | 31     | 0                                 | 4                                      | 0    | 0         | 0        | 112 | 45                  | 0             | 0                          | 0             | 0                        | 0                        | 67                     |              |

DIVISION 1 - ALI-USH 18

| STATION   | REAL STATION | DISTANCE | AREA (SF) |                                        |      |           |          |        | INCREMENTAL VOL (CY) (UNADJUSTED) |                                        |      |           |          |     | CUMULATIVE VOL (CY) |               |                            |               |                          |                          |                        |              |
|-----------|--------------|----------|-----------|----------------------------------------|------|-----------|----------|--------|-----------------------------------|----------------------------------------|------|-----------|----------|-----|---------------------|---------------|----------------------------|---------------|--------------------------|--------------------------|------------------------|--------------|
|           |              |          | CUT       | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL | MARSH EXC | ROCK EXC | EBS    | CUT                               | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL | MARSH EXC | ROCK EXC | EBS | CUT                 | EXPANDED FILL | EXPANDED MARSH<br>BACKFILL | EXPANDED ROCK | EXPANDED EBS<br>BACKFILL | REDUCED MARSH<br>IN FILL | REDUCED EBS<br>IN FILL | MASS ORDNATE |
|           |              |          |           |                                        |      |           |          |        |                                   |                                        |      |           |          |     |                     |               |                            |               |                          |                          |                        |              |
|           |              |          |           |                                        |      |           |          |        |                                   |                                        |      |           |          |     |                     |               |                            |               |                          |                          |                        |              |
| NOTE 1    | NOTE 2       | NOTE 3   | NOTE 1    | 1.25                                   | 1.00 | 1.00      | 1.00     | NOTE 6 | NOTE 7                            | NOTE 8                                 |      |           |          |     |                     |               |                            |               |                          |                          |                        |              |
| 165+00.73 | 16500.73     | 0.00     | 18.13     | 0.00                                   | 2.63 | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 0    | 0         | 0        | 0   | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 0                      |              |
| 165+50.00 | 16550.00     | 49.27    | 14.70     | 0.00                                   | 1.53 | 0.00      | 0.00     | 0.00   | 30                                | 0                                      | 4    | 0         | 0        | 0   | 30                  | 5             | 0                          | 0             | 0                        | 0                        | 25                     |              |
| 166+00.00 | 16600.00     | 50.00    | 7.01      | 0.00                                   | 0.84 | 0.00      | 0.00     | 0.00   | 20                                | 0                                      | 2    | 0         | 0        | 0   | 50                  | 8             | 0                          | 0             | 0                        | 0                        | 43                     |              |
| 166+50.00 | 16650.00     | 50.00    | 13.20     | 0.00                                   | 0.00 | 0.00      | 0.00     | 0.00   | 19                                | 0                                      | 1    | 0         | 0        | 0   | 69                  | 9             | 0                          | 0             | 0                        | 0                        | 60                     |              |
| 167+00.00 | 16700.00     | 50.00    | 8.19      | 0.00                                   | 0.00 | 0.00      | 0.00     | 0.00   | 20                                | 0                                      | 0    | 0         | 0        | 0   | 89                  | 9             | 0                          | 0             | 0                        | 0                        | 80                     |              |
| 167+23.50 | 16723.50     | 23.50    | 11.81     | 0.00                                   | 0.00 | 0.00      | 0.00     | 0.00   | 9                                 | 0                                      | 0    | 0         | 0        | 0   | 98                  | 9             | 0                          | 0             | 0                        | 0                        | 89                     |              |

DIVISION 1 - ALI-LT-BB-BG

| STATION  | REAL STATION | DISTANCE | AREA (SF) |                                        |        |           |          |        | INCREMENTAL VOL (CY) (UNADJUSTED) |                                        |      |           |          |     | CUMULATIVE VOL (CY) |               |                            |               |                          |                          |                        |              |  |
|----------|--------------|----------|-----------|----------------------------------------|--------|-----------|----------|--------|-----------------------------------|----------------------------------------|------|-----------|----------|-----|---------------------|---------------|----------------------------|---------------|--------------------------|--------------------------|------------------------|--------------|--|
|          |              |          | CUT       | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL   | MARSH EXC | ROCK EXC | EBS    | CUT                               | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL | MARSH EXC | ROCK EXC | EBS | CUT                 | EXPANDED FILL | EXPANDED MARSH<br>BACKFILL | EXPANDED ROCK | EXPANDED EBS<br>BACKFILL | REDUCED MARSH<br>IN FILL | REDUCED EBS<br>IN FILL | MASS ORDNATE |  |
|          |              |          |           |                                        |        |           |          |        |                                   |                                        |      |           |          |     |                     |               |                            |               |                          |                          |                        |              |  |
|          |              |          |           |                                        |        |           |          |        |                                   |                                        |      |           |          |     |                     |               |                            |               |                          |                          |                        |              |  |
| NOTE 1   | NOTE 2       | NOTE 3   | NOTE 1    | NOTE 4                                 | NOTE 5 | NOTE 6    | NOTE 7   | NOTE 8 |                                   |                                        |      |           |          |     |                     |               |                            |               |                          |                          |                        |              |  |
| 13+00.56 | 1300.56      | 0.00     | 1.89      | 0.00                                   | 0.00   | 0.00      | 0.00     | 0      | 0                                 | 0                                      | 0    | 0         | 0        | 0   | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 0                      |              |  |
| 13+15.14 | 1315.14      | 14.58    | 6.05      | 0.00                                   | 0.00   | 0.00      | 0.00     | 2      | 0                                 | 0                                      | 0    | 0         | 0        | 0   | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 2                      |              |  |
| 13+27.72 | 1327.72      | 12.58    | 3.96      | 0.00                                   | 0.00   | 0.00      | 0.00     | 2      | 0                                 | 0                                      | 0    | 0         | 0        | 0   | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 4                      |              |  |
| 13+54.00 | 1354.00      | 26.28    | 2.64      | 0.00                                   | 0.00   | 0.00      | 0.00     | 3      | 0                                 | 0                                      | 0    | 0         | 0        | 0   | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 7                      |              |  |
| 13+72.22 | 1372.22      | 18.22    | 2.04      | 0.00                                   | 0.00   | 0.00      | 0.00     | 2      | 0                                 | 0                                      | 0    | 0         | 0        | 0   | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 9                      |              |  |
| 14+00.00 | 1400.00      | 27.78    | 6.10      | 0.00                                   | 0.00   | 0.00      | 0.00     | 4      | 0                                 | 0                                      | 0    | 0         | 0        | 0   | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 13                     |              |  |

DIVISION 1 - ALI-LT-BB-BG-E

| STATION  | REAL STATION | DISTANCE | AREA (SF) |                                        |       |           |          |      | INCREMENTAL VOL (CY) (UNADJUSTED) |                                        |        |           |          |     | CUMULATIVE VOL (CY) |               |                            |               |                          |                          |                        |              |
|----------|--------------|----------|-----------|----------------------------------------|-------|-----------|----------|------|-----------------------------------|----------------------------------------|--------|-----------|----------|-----|---------------------|---------------|----------------------------|---------------|--------------------------|--------------------------|------------------------|--------------|
|          |              |          | CUT       | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | EILL  | MARSH EXC | ROCK EXC | EBS  | CUT                               | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | EILL   | MARSH EXC | ROCK EXC | EBS | CUT                 | EXPANDED FILL | EXPANDED MARSH<br>BACKFILL | EXPANDED ROCK | EXPANDED EBS<br>BACKFILL | REDUCED MARSH<br>IN FILL | REDUCED EBS<br>IN FILL | MASS ORDNATE |
|          |              |          |           |                                        |       |           |          |      |                                   |                                        |        |           |          |     |                     |               |                            |               |                          |                          |                        |              |
|          |              |          |           |                                        |       |           |          |      | NOTE 1                            | NOTE 2                                 | NOTE 3 |           |          |     | NOTE 1              | 1.25          | 1.00                       | 1.00          | 1.00                     | 1.00                     | 1.00                   | NOTE 8       |
| 20+18.00 | 2018.00      | 0.00     | 0.21      | 0.00                                   | 0.25  | 0.00      | 0.00     | 0.00 | 0                                 | 0                                      | 0      | 0         | 0        | 0   | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 0                      |              |
| 20+43.13 | 2043.13      | 25.13    | 3.31      | 0.00                                   | 8.87  | 0.00      | 0.00     | 0.00 | 2                                 | 0                                      | 4      | 0         | 0        | 0   | 2                   | 5             | 0                          | 0             | 0                        | 0                        | -3                     |              |
| 20+55.67 | 2055.67      | 12.54    | 1.05      | 0.00                                   | 11.78 | 0.00      | 0.00     | 0.00 | 1                                 | 0                                      | 5      | 0         | 0        | 0   | 3                   | 11            | 0                          | 0             | 0                        | 0                        | -8                     |              |
| 20+75.00 | 2075.00      | 19.33    | 1.46      | 0.00                                   | 0.00  | 0.00      | 0.00     | 0.00 | 1                                 | 0                                      | 4      | 0         | 0        | 0   | 4                   | 16            | 0                          | 0             | 0                        | 0                        | -12                    |              |
| 21+00.00 | 2100.00      | 25.00    | 2.35      | 0.00                                   | 0.00  | 0.00      | 0.00     | 0.00 | 2                                 | 0                                      | 0      | 0         | 0        | 0   | 6                   | 16            | 0                          | 0             | 0                        | 0                        | -10                    |              |
| 21+16.39 | 2116.39      | 16.39    | 1.25      | 0.00                                   | 0.00  | 0.00      | 0.00     | 0.00 | 1                                 | 0                                      | 0      | 0         | 0        | 0   | 7                   | 16            | 0                          | 0             | 0                        | 0                        | -9                     |              |

| STATION   | REAL STATION | DISTANCE | AREA (SF) |                                        |        |           |          |        | INCREMENTAL VOL (CY) (UNADJUSTED) |                                        |        |           |          |        | CUMULATIVE VOL (CY) |               |                            |               |                          |                          |                        |              |
|-----------|--------------|----------|-----------|----------------------------------------|--------|-----------|----------|--------|-----------------------------------|----------------------------------------|--------|-----------|----------|--------|---------------------|---------------|----------------------------|---------------|--------------------------|--------------------------|------------------------|--------------|
|           |              |          | CUT       | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL   | MARSH EXC | ROCK EXC | EBS    | CUT                               | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL   | MARSH EXC | ROCK EXC | EBS    | CUT                 | EXPANDED FILL | EXPANDED MARSH<br>BACKFILL | EXPANDED ROCK | EXPANDED EBS<br>BACKFILL | REDUCED MARSH<br>IN FILL | REDUCED EBS<br>IN FILL | MASS ORDNATE |
|           |              |          |           |                                        |        |           |          |        |                                   |                                        |        |           |          |        |                     |               |                            |               |                          |                          |                        |              |
|           |              |          |           |                                        |        |           |          |        |                                   |                                        |        |           |          |        |                     |               |                            |               |                          |                          |                        |              |
| NOTE 1    | NOTE 2       | NOTE 3   | NOTE 1    | NOTE 2                                 | NOTE 3 | NOTE 1    | NOTE 2   | NOTE 3 | NOTE 1                            | NOTE 2                                 | NOTE 3 | NOTE 1    | NOTE 2   | NOTE 3 | NOTE 1              | NOTE 2        | NOTE 3                     | NOTE 1        | NOTE 2                   | NOTE 3                   |                        |              |
| 173+25.45 | 17325.45     | 0.00     | 5.97      | 0.00                                   | 0.00   | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 0      | 0         | 0        | 0      | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 0                      |              |
| 173+50.00 | 17350.00     | 24.55    | 6.17      | 0.00                                   | 0.00   | 0.00      | 0.00     | 0.00   | 6                                 | 0                                      | 0      | 0         | 0        | 0      | 6                   | 0             | 0                          | 0             | 0                        | 0                        | 6                      |              |
| 174+00.00 | 17400.00     | 50.00    | 5.56      | 0.00                                   | 2.80   | 0.00      | 0.00     | 0.00   | 11                                | 0                                      | 3      | 0         | 0        | 0      | 17                  | 4             | 0                          | 0             | 0                        | 0                        | 13                     |              |
| 174+18.77 | 17418.77     | 18.77    | 5.64      | 0.00                                   | 2.48   | 0.00      | 0.00     | 0.00   | 4                                 | 0                                      | 2      | 0         | 0        | 0      | 21                  | 6             | 0                          | 0             | 0                        | 0                        | 15                     |              |
| 174+50.00 | 17450.00     | 31.23    | 7.27      | 0.00                                   | 0.31   | 0.00      | 0.00     | 0.00   | 7                                 | 0                                      | 2      | 0         | 0        | 0      | 28                  | 9             | 0                          | 0             | 0                        | 0                        | 19                     |              |
| 174+68.76 | 17468.76     | 18.76    | 6.64      | 0.00                                   | 0.00   | 0.00      | 0.00     | 0.00   | 5                                 | 0                                      | 0      | 0         | 0        | 0      | 33                  | 9             | 0                          | 0             | 0                        | 0                        | 24                     |              |
| 175+00.00 | 17500.00     | 31.24    | 7.26      | 0.00                                   | 0.00   | 0.00      | 0.00     | 0.00   | 8                                 | 0                                      | 0      | 0         | 0        | 0      | 41                  | 9             | 0                          | 0             | 0                        | 0                        | 32                     |              |
| 175+50.00 | 17550.00     | 50.00    | 7.23      | 0.00                                   | 0.75   | 0.00      | 0.00     | 0.00   | 13                                | 0                                      | 1      | 0         | 0        | 0      | 54                  | 10            | 0                          | 0             | 0                        | 0                        | 44                     |              |
| 176+00.00 | 17600.00     | 50.00    | 10.44     | 0.00                                   | 3.08   | 0.00      | 0.00     | 0.00   | 16                                | 0                                      | 4      | 0         | 0        | 0      | 70                  | 15            | 0                          | 0             | 0                        | 0                        | 55                     |              |
| 176+50.00 | 17650.00     | 50.00    | 10.45     | 0.00                                   | 6.98   | 0.00      | 0.00     | 0.00   | 19                                | 0                                      | 9      | 0         | 0        | 0      | 89                  | 26            | 0                          | 0             | 0                        | 0                        | 63                     |              |
| 177+00.00 | 17700.00     | 50.00    | 11.10     | 0.00                                   | 24.55  | 0.00      | 0.00     | 0.00   | 20                                | 0                                      | 29     | 0         | 0        | 0      | 109                 | 63            | 0                          | 0             | 0                        | 0                        | 47                     |              |
| 177+19.18 | 17719.18     | 19.18    | 10.95     | 0.00                                   | 12.14  | 0.00      | 0.00     | 0.00   | 8                                 | 0                                      | 13     | 0         | 0        | 0      | 117                 | 79            | 0                          | 0             | 0                        | 0                        | 38                     |              |
| 177+50.00 | 17750.00     | 30.82    | 10.93     | 0.00                                   | 24.86  | 0.00      | 0.00     | 0.00   | 12                                | 0                                      | 21     | 0         | 0        | 0      | 129                 | 105           | 0                          | 0             | 0                        | 0                        | 24                     |              |
| 178+00.00 | 17800.00     | 50.00    | 10.42     | 0.00                                   | 12.08  | 0.00      | 0.00     | 0.00   | 20                                | 0                                      | 34     | 0         | 0        | 0      | 149                 | 148           | 0                          | 0             | 0                        | 0                        | 2                      |              |
| 178+50.00 | 17850.00     | 50.00    | 12.37     | 0.00                                   | 17.19  | 0.00      | 0.00     | 0.00   | 21                                | 0                                      | 27     | 0         | 0        | 0      | 170                 | 181           | 0                          | 0             | 0                        | 0                        | -11                    |              |
| 178+77.33 | 17877.33     | 27.33    | 14.19     | 0.00                                   | 6.13   | 0.00      | 0.00     | 0.00   | 13                                | 0                                      | 12     | 0         | 0        | 0      | 183                 | 196           | 0                          | 0             | 0                        | 0                        | -13                    |              |
| 179+00.00 | 17900.00     | 22.67    | 13.48     | 0.00                                   | 8.46   | 0.00      | 0.00     | 0.00   | 12                                | 0                                      | 6      | 0         | 0        | 0      | 195                 | 204           | 0                          | 0             | 0                        | 0                        | -9                     |              |
| 179+50.00 | 17950.00     | 50.00    | 13.33     | 0.00                                   | 6.45   | 0.00      | 0.00     | 0.00   | 25                                | 0                                      | 14     | 0         | 0        | 0      | 220                 | 221           | 0                          | 0             | 0                        | 0                        | -1                     |              |
| 179+75.00 | 17975.00     | 25.00    | 14.48     | 0.00                                   | 3.73   | 0.00      | 0.00     | 0.00   | 13                                | 0                                      | 5      | 0         | 0        | 0      | 233                 | 228           | 0                          | 0             | 0                        | 0                        | 6                      |              |
| 180+00.00 | 18000.00     | 25.00    | 6.85      | 0.00                                   | 7.74   | 0.00      | 0.00     | 0.00   | 10                                | 0                                      | 5      | 0         | 0        | 0      | 243                 | 234           | 0                          | 0             | 0                        | 0                        | 9                      |              |

| STATION   | REAL STATION | DISTANCE | AREA (SF) |                                     |      |           |          |      |     | INCREMENTAL VOL (CY) (UNADJUSTED)   |      |           |          |     |     | CUMULATIVE VOL (CY) |                         |               |                       |                       |                     |              |  |
|-----------|--------------|----------|-----------|-------------------------------------|------|-----------|----------|------|-----|-------------------------------------|------|-----------|----------|-----|-----|---------------------|-------------------------|---------------|-----------------------|-----------------------|---------------------|--------------|--|
|           |              |          | CUT       | SALVAGED/UNUSABLE PAVEMENT MATERIAL | FILL | MARSH EXC | ROCK EXC | EBS  | CUT | SALVAGED/UNUSABLE PAVEMENT MATERIAL | FILL | MARSH EXC | ROCK EXC | EBS | CUT | EXPANDED FILL       | EXPANDED MARSH BACKFILL | EXPANDED ROCK | EXPANDED EBS BACKFILL | REDUCED MARSH IN FILL | REDUCED EBS IN FILL | MASS ORDNATE |  |
|           |              |          |           |                                     |      |           |          |      |     |                                     |      |           |          |     |     |                     |                         |               |                       |                       |                     |              |  |
|           |              |          |           |                                     |      |           |          |      |     |                                     |      |           |          |     |     |                     |                         |               |                       |                       |                     |              |  |
| 180+00.66 | 18000.66     | 0.00     | 7.14      | 0.00                                | 7.35 | 0.00      | 0.00     | 0.00 | 0   | 0                                   | 0    | 0         | 0        | 0   | 0   | 0                   | 0                       | 0             | 0                     | 0                     | 0                   |              |  |
| 180+50.00 | 18050.00     | 49.34    | 7.83      | 0.00                                | 0.00 | 0.00      | 0.00     | 0.00 | 14  | 0                                   | 7    | 0         | 0        | 0   | 14  | 9                   | 0                       | 0             | 0                     | 0                     | 0                   |              |  |
| 180+90.00 | 18090.00     | 40.00    | 9.37      | 0.00                                | 0.00 | 0.00      | 0.00     | 0.00 | 13  | 0                                   | 0    | 0         | 0        | 0   | 27  | 9                   | 0                       | 0             | 0                     | 0                     | 18                  |              |  |

DIVISION 2 - ALI-RT-DRWY-17675-W-EPS

| STATION  | REAL STATION | DISTANCE | AREA (SF) |                                        |       |           |          |        | INCREMENTAL VOL (CY) (UNADJUSTED) |                                        |        |           |          |     | CUMULATIVE VOL (CY) |               |                            |               |                          |                          |                        |               |  |
|----------|--------------|----------|-----------|----------------------------------------|-------|-----------|----------|--------|-----------------------------------|----------------------------------------|--------|-----------|----------|-----|---------------------|---------------|----------------------------|---------------|--------------------------|--------------------------|------------------------|---------------|--|
|          |              |          | CUT       | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL  | MARSH EXC | ROCK EXC | EBS    | CUT                               | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL   | MARSH EXC | ROCK EXC | EBS | CUT                 | EXPANDED FILL | EXPANDED MARSH<br>BACKFILL | EXPANDED ROCK | EXPANDED EBS<br>BACKFILL | REDUCED MARSH<br>IN FILL | REDUCED EBS<br>IN FILL | MASS ORDINATE |  |
|          |              |          |           |                                        |       |           |          |        |                                   |                                        |        |           |          |     |                     |               |                            |               |                          |                          |                        |               |  |
|          |              |          |           |                                        |       |           |          |        |                                   |                                        |        |           |          |     |                     |               |                            |               |                          |                          |                        |               |  |
| NOTE 1   | NOTE 2       | NOTE 3   |           |                                        |       | NOTE 1    |          | NOTE 4 |                                   | NOTE 5                                 | NOTE 6 | NOTE 7    | NOTE 8   |     |                     |               |                            |               |                          |                          |                        |               |  |
| 10+20.87 | 1020.87      | 0.00     | 0.36      | 0.00                                   | 1.41  | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 0      | 0         | 0        | 0   | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 0                      |               |  |
| 10+37.02 | 1037.02      | 16.15    | 1.75      | 0.00                                   | 0.43  | 0.00      | 0.00     | 0.00   | 1                                 | 0                                      | 1      | 0         | 0        | 0   | 1                   | 1             | 0                          | 0             | 0                        | 0                        | 0                      |               |  |
| 10+50.00 | 1050.00      | 12.98    | 1.60      | 0.00                                   | 0.76  | 0.00      | 0.00     | 0.00   | 1                                 | 0                                      | 0      | 0         | 0        | 0   | 2                   | 1             | 0                          | 0             | 0                        | 0                        | 1                      |               |  |
| 10+53.17 | 1053.17      | 3.17     | 1.18      | 0.00                                   | 4.28  | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 0      | 0         | 0        | 0   | 2                   | 1             | 0                          | 0             | 0                        | 0                        | 1                      |               |  |
| 10+75.00 | 1075.00      | 21.83    | 1.64      | 0.00                                   | 28.00 | 0.00      | 0.00     | 0.00   | 1                                 | 0                                      | 13     | 0         | 0        | 0   | 3                   | 18            | 0                          | 0             | 0                        | 0                        | -15                    |               |  |
| 10+81.30 | 1081.30      | 6.30     | 1.12      | 0.00                                   | 24.87 | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 6      | 0         | 0        | 0   | 3                   | 25            | 0                          | 0             | 0                        | 0                        | -22                    |               |  |
| 10+91.88 | 1091.88      | 10.58    | 0.51      | 0.00                                   | 0.00  | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 5      | 0         | 0        | 0   | 3                   | 31            | 0                          | 0             | 0                        | 0                        | -28                    |               |  |

DIVISION 2 - ALI-RT-DRWY-17675-E-EPS

| STATION  | REAL STATION | DISTANCE | AREA (SF) |                                        |       |           |          |        | INCREMENTAL VOL (CY) (UNADJUSTED) |                                        |        |           |          |     | CUMULATIVE VOL (CY) |               |                            |               |                          |                          |                        |               |
|----------|--------------|----------|-----------|----------------------------------------|-------|-----------|----------|--------|-----------------------------------|----------------------------------------|--------|-----------|----------|-----|---------------------|---------------|----------------------------|---------------|--------------------------|--------------------------|------------------------|---------------|
|          |              |          | CUT       | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL  | MARSH EXC | ROCK EXC | EBS    | CUT                               | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL   | MARSH EXC | ROCK EXC | EBS | CUT                 | EXPANDED FILL | EXPANDED MARSH<br>BACKFILL | EXPANDED ROCK | EXPANDED EBS<br>BACKFILL | REDUCED MARSH<br>IN FILL | REDUCED EBS<br>IN FILL | MASS ORDINATE |
|          |              |          |           |                                        |       |           |          |        |                                   |                                        |        |           |          |     |                     |               |                            |               |                          |                          |                        |               |
|          |              |          |           |                                        |       |           |          |        |                                   |                                        |        |           |          |     |                     |               |                            |               |                          |                          |                        |               |
| NOTE 1   | NOTE 2       | NOTE 3   |           |                                        |       | NOTE 1    |          | NOTE 4 |                                   | NOTE 5                                 | NOTE 6 | NOTE 7    | NOTE 8   |     |                     |               |                            |               |                          |                          |                        |               |
| 20+02.09 | 2002.09      | 0.00     | 0.19      | 0.00                                   | 6.50  | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 0      | 0         | 0        | 0   | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 0                      |               |
| 20+10.00 | 2010.00      | 7.91     | 0.30      | 0.00                                   | 24.72 | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 5      | 0         | 0        | 0   | 0                   | 6             | 0                          | 0             | 0                        | 0                        | -6                     |               |
| 20+25.00 | 2025.00      | 15.00    | 0.45      | 0.00                                   | 52.63 | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 21     | 0         | 0        | 0   | 0                   | 33            | 0                          | 0             | 0                        | 0                        | -33                    |               |
| 20+50.00 | 2050.00      | 25.00    | 0.60      | 0.00                                   | 41.44 | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 44     | 0         | 0        | 0   | 0                   | 88            | 0                          | 0             | 0                        | 0                        | -88                    |               |
| 20+62.76 | 2062.76      | 12.76    | 0.62      | 0.00                                   | 19.81 | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 14     | 0         | 0        | 0   | 0                   | 105           | 0                          | 0             | 0                        | 0                        | -105                   |               |
| 20+75.00 | 2075.00      | 12.24    | 0.11      | 0.00                                   | 8.88  | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 7      | 0         | 0        | 0   | 0                   | 114           | 0                          | 0             | 0                        | 0                        | -114                   |               |
| 20+81.53 | 2081.53      | 6.53     | 0.08      | 0.00                                   | 7.22  | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 2      | 0         | 0        | 0   | 0                   | 116           | 0                          | 0             | 0                        | 0                        | -116                   |               |

DIVISION 3 - ALI-USH 18

| STATION   | REAL STATION | DISTANCE | AREA (SF) |                                        |        |           |          |        | INCREMENTAL VOL (CY) (UNADJUSTED) |                                        |      |           |          |     | CUMULATIVE VOL (CY) |               |                            |               |                          |                          |                        |               |  |
|-----------|--------------|----------|-----------|----------------------------------------|--------|-----------|----------|--------|-----------------------------------|----------------------------------------|------|-----------|----------|-----|---------------------|---------------|----------------------------|---------------|--------------------------|--------------------------|------------------------|---------------|--|
|           |              |          | CUT       | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL   | MARSH EXC | ROCK EXC | EBS    | CUT                               | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL | MARSH EXC | ROCK EXC | EBS | CUT                 | EXPANDED FILL | EXPANDED MARSH<br>BACKFILL | EXPANDED ROCK | EXPANDED EBS<br>BACKFILL | REDUCED MARSH<br>IN FILL | REDUCED EBS<br>IN FILL | MASS ORDINATE |  |
|           |              |          |           |                                        |        |           |          |        |                                   |                                        |      |           |          |     |                     |               |                            |               |                          |                          |                        |               |  |
|           |              |          |           |                                        |        |           |          |        |                                   |                                        |      |           |          |     |                     |               |                            |               |                          |                          |                        |               |  |
| NOTE 1    | NOTE 2       | NOTE 3   | NOTE 1    | 1.25                                   | NOTE 4 | 1.00      | NOTE 5   | NOTE 6 | NOTE 7                            | NOTE 8                                 |      |           |          |     |                     |               |                            |               |                          |                          |                        |               |  |
| 220+75.88 | 22075.88     | 0.00     | 5.75      | 0.00                                   | 1.32   | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 0    | 0         | 0        | 0   | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 0                      |               |  |
| 221+00.00 | 22100.00     | 24.12    | 5.27      | 0.00                                   | 1.59   | 0.00      | 0.00     | 0.00   | 5                                 | 0                                      | 1    | 0         | 0        | 0   | 5                   | 1             | 0                          | 0             | 0                        | 0                        | 4                      |               |  |
| 221+35.88 | 22135.88     | 35.88    | 9.19      | 0.00                                   | 10.12  | 0.00      | 0.00     | 0.00   | 10                                | 0                                      | 8    | 0         | 0        | 0   | 15                  | 11            | 0                          | 0             | 0                        | 0                        | 4                      |               |  |
| 221+50.00 | 22150.00     | 14.12    | 9.90      | 0.00                                   | 17.08  | 0.00      | 0.00     | 0.00   | 5                                 | 0                                      | 7    | 0         | 0        | 0   | 20                  | 20            | 0                          | 0             | 0                        | 0                        | 0                      |               |  |
| 221+85.00 | 22185.00     | 35.00    | 7.39      | 0.00                                   | 43.86  | 0.00      | 0.00     | 0.00   | 11                                | 0                                      | 39   | 0         | 0        | 0   | 31                  | 69            | 0                          | 0             | 0                        | 0                        | -38                    |               |  |
| 222+00.00 | 22200.00     | 15.00    | 11.73     | 0.00                                   | 16.37  | 0.00      | 0.00     | 0.00   | 5                                 | 0                                      | 17   | 0         | 0        | 0   | 36                  | 90            | 0                          | 0             | 0                        | 0                        | -54                    |               |  |
| 222+30.00 | 22230.00     | 30.00    | 14.29     | 0.00                                   | 51.21  | 0.00      | 0.00     | 0.00   | 14                                | 0                                      | 38   | 0         | 0        | 0   | 50                  | 138           | 0                          | 0             | 0                        | 0                        | -88                    |               |  |
| 222+50.00 | 22250.00     | 20.00    | 13.45     | 0.00                                   | 60.66  | 0.00      | 0.00     | 0.00   | 10                                | 0                                      | 41   | 0         | 0        | 0   | 60                  | 189           | 0                          | 0             | 0                        | 0                        | -129                   |               |  |
| 223+00.00 | 22300.00     | 50.00    | 14.76     | 0.00                                   | 2.26   | 0.00      | 0.00     | 0.00   | 26                                | 0                                      | 58   | 0         | 0        | 0   | 86                  | 261           | 0                          | 0             | 0                        | 0                        | -175                   |               |  |
| 223+50.00 | 22350.00     | 50.00    | 14.78     | 0.00                                   | 2.75   | 0.00      | 0.00     | 0.00   | 27                                | 0                                      | 5    | 0         | 0        | 0   | 113                 | 268           | 0                          | 0             | 0                        | 0                        | -155                   |               |  |
| 224+00.00 | 22400.00     | 50.00    | 15.64     | 0.00                                   | 0.22   | 0.00      | 0.00     | 0.00   | 28                                | 0                                      | 3    | 0         | 0        | 0   | 141                 | 271           | 0                          | 0             | 0                        | 0                        | -130                   |               |  |
| 224+50.00 | 22450.00     | 50.00    | 18.85     | 0.00                                   | 0.00   | 0.00      | 0.00     | 0.00   | 32                                | 0                                      | 0    | 0         | 0        | 0   | 173                 | 271           | 0                          | 0             | 0                        | 0                        | -98                    |               |  |
| 225+00.00 | 22500.00     | 50.00    | 15.88     | 0.00                                   | 0.00   | 0.00      | 0.00     | 0.00   | 32                                | 0                                      | 0    | 0         | 0        | 0   | 205                 | 271           | 0                          | 0             | 0                        | 0                        | -66                    |               |  |

DIVISION 3 - ALI-USH 18

| STATION   | REAL STATION | DISTANCE | AREA (SE) |                                        |        |           |          |        | INCREMENTAL VOL (CY) (UNADJUSTED) |                                        |      |           |          |     | CUMULATIVE VOL (CY) |               |                            |               |                          |                          |                        |               |
|-----------|--------------|----------|-----------|----------------------------------------|--------|-----------|----------|--------|-----------------------------------|----------------------------------------|------|-----------|----------|-----|---------------------|---------------|----------------------------|---------------|--------------------------|--------------------------|------------------------|---------------|
|           |              |          | CUT       | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL   | MARSH EXC | ROCK EXC | EBS    | CUT                               | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL | MARSH EXC | ROCK EXC | EBS | CUT                 | EXPANDED EILL | EXPANDED MARSH<br>BACKEILL | EXPANDED ROCK | EXPANDED EBS<br>BACKEILL | REDUCED MARSH<br>IN EILL | REDUCED EBS<br>IN EILL | MASS ORDINATE |
|           |              |          |           |                                        |        |           |          |        |                                   |                                        |      |           |          |     |                     |               |                            |               |                          |                          |                        |               |
|           |              |          |           |                                        |        |           |          |        |                                   |                                        |      |           |          |     |                     |               |                            |               |                          |                          |                        |               |
| NOTE 1    | NOTE 2       | NOTE 3   | NOTE 1    | 1.25                                   | NOTE 4 | 1.00      | NOTE 5   | NOTE 6 | NOTE 7                            | NOTE 8                                 |      |           |          |     |                     |               |                            |               |                          |                          |                        |               |
| 225+00.00 | 22500.00     | 0.00     | 15.31     | 0.00                                   | 0.98   | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 0    | 0         | 0        | 0   | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 0                      |               |
| 225+50.00 | 22550.00     | 50.00    | 16.18     | 0.00                                   | 1.08   | 0.00      | 0.00     | 0.00   | 29                                | 0                                      | 2    | 0         | 0        | 0   | 29                  | 3             | 0                          | 0             | 0                        | 0                        | 27                     |               |
| 226+00.00 | 22600.00     | 50.00    | 15.73     | 0.00                                   | 0.22   | 0.00      | 0.00     | 0.00   | 30                                | 0                                      | 1    | 0         | 0        | 0   | 59                  | 4             | 0                          | 0             | 0                        | 0                        | 55                     |               |
| 226+50.00 | 22650.00     | 50.00    | 5.14      | 0.00                                   | 0.70   | 0.00      | 0.00     | 0.00   | 19                                | 0                                      | 1    | 0         | 0        | 0   | 78                  | 5             | 0                          | 0             | 0                        | 0                        | 73                     |               |
| 227+00.00 | 22700.00     | 50.00    | 5.01      | 0.00                                   | 0.97   | 0.00      | 0.00     | 0.00   | 9                                 | 0                                      | 2    | 0         | 0        | 0   | 87                  | 8             | 0                          | 0             | 0                        | 0                        | 80                     |               |
| 227+50.00 | 22750.00     | 50.00    | 4.20      | 0.00                                   | 2.75   | 0.00      | 0.00     | 0.00   | 9                                 | 0                                      | 3    | 0         | 0        | 0   | 96                  | 11            | 0                          | 0             | 0                        | 0                        | 85                     |               |
| 228+00.00 | 22800.00     | 50.00    | 6.51      | 0.00                                   | 2.85   | 0.00      | 0.00     | 0.00   | 10                                | 0                                      | 5    | 0         | 0        | 0   | 106                 | 18            | 0                          | 0             | 0                        | 0                        | 89                     |               |
| 228+50.00 | 22850.00     | 50.00    | 7.71      | 0.00                                   | 1.64   | 0.00      | 0.00     | 0.00   | 13                                | 0                                      | 4    | 0         | 0        | 0   | 119                 | 23            | 0                          | 0             | 0                        | 0                        | 97                     |               |
| 229+00.00 | 22900.00     | 50.00    | 7.39      | 0.00                                   | 0.86   | 0.00      | 0.00     | 0.00   | 14                                | 0                                      | 2    | 0         | 0        | 0   | 133                 | 25            | 0                          | 0             | 0                        | 0                        | 108                    |               |
| 229+50.00 | 22950.00     | 50.00    | 7.03      | 0.00                                   | 1.75   | 0.00      | 0.00     | 0.00   | 13                                | 0                                      | 2    | 0         | 0        | 0   | 146                 | 28            | 0                          | 0             | 0                        | 0                        | 119                    |               |
| 230+00.00 | 23000.00     | 50.00    | 6.49      | 0.00                                   | 1.80   | 0.00      | 0.00     | 0.00   | 13                                | 0                                      | 3    | 0         | 0        | 0   | 159                 | 31            | 0                          | 0             | 0                        | 0                        | 128                    |               |
| 230+50.00 | 23050.00     | 50.00    | 6.75      | 0.00                                   | 1.87   | 0.00      | 0.00     | 0.00   | 12                                | 0                                      | 3    | 0         | 0        | 0   | 171                 | 35            | 0                          | 0             | 0                        | 0                        | 136                    |               |
| 231+00.00 | 23100.00     | 50.00    | 6.44      | 0.00                                   | 4.34   | 0.00      | 0.00     | 0.00   | 12                                | 0                                      | 6    | 0         | 0        | 0   | 183                 | 43            | 0                          | 0             | 0                        | 0                        | 141                    |               |
| 231+50.00 | 23150.00     | 50.00    | 6.67      | 0.00                                   | 5.20   | 0.00      | 0.00     | 0.00   | 12                                | 0                                      | 9    | 0         | 0        | 0   | 195                 | 54            | 0                          | 0             | 0                        | 0                        | 141                    |               |
| 232+00.00 | 23200.00     | 50.00    | 6.75      | 0.00                                   | 5.16   | 0.00      | 0.00     | 0.00   | 12                                | 0                                      | 10   | 0         | 0        | 0   | 207                 | 66            | 0                          | 0             | 0                        | 0                        | 141                    |               |
| 232+50.00 | 23250.00     | 50.00    | 6.29      | 0.00                                   | 3.83   | 0.00      | 0.00     | 0.00   | 12                                | 0                                      | 8    | 0         | 0        | 0   | 219                 | 76            | 0                          | 0             | 0                        | 0                        | 143                    |               |
| 233+00.00 | 23300.00     | 50.00    | 6.28      | 0.00                                   | 3.19   | 0.00      | 0.00     | 0.00   | 12                                | 0                                      | 6    | 0         | 0        | 0   | 231                 | 84            | 0                          | 0             | 0                        | 0                        | 147                    |               |
| 233+50.00 | 23350.00     | 50.00    | 7.12      | 0.00                                   | 4.37   | 0.00      | 0.00     | 0.00   | 12                                | 0                                      | 7    | 0         | 0        | 0   | 243                 | 93            | 0                          | 0             | 0                        | 0                        | 151                    |               |
| 233+81.36 | 23381.36     | 31.36    | 6.69      | 0.00                                   | 11.08  | 0.00      | 0.00     | 0.00   | 8                                 | 0                                      | 9    | 0         | 0        | 0   | 251                 | 104           | 0                          | 0             | 0                        | 0                        | 147                    |               |
| 234+00.00 | 23400.00     | 18.64    | 0.00      | 0.00                                   | 0.00   | 0.00      | 0.00     | 0.00   | 2                                 | 0                                      | 4    | 0         | 0        | 0   | 253                 | 109           | 0                          | 0             | 0                        | 0                        | 144                    |               |
| 234+50.00 | 23450.00     | 50.00    | 0.00      | 0.00                                   | 0.00   | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 0    | 0         | 0        | 0   | 253                 | 109           | 0                          | 0             | 0                        | 0                        | 144                    |               |

PROJECT NO: 2210-12-70

HWY: USH 18

COUNTY: WAUKESHA

EARTHWORK DATA

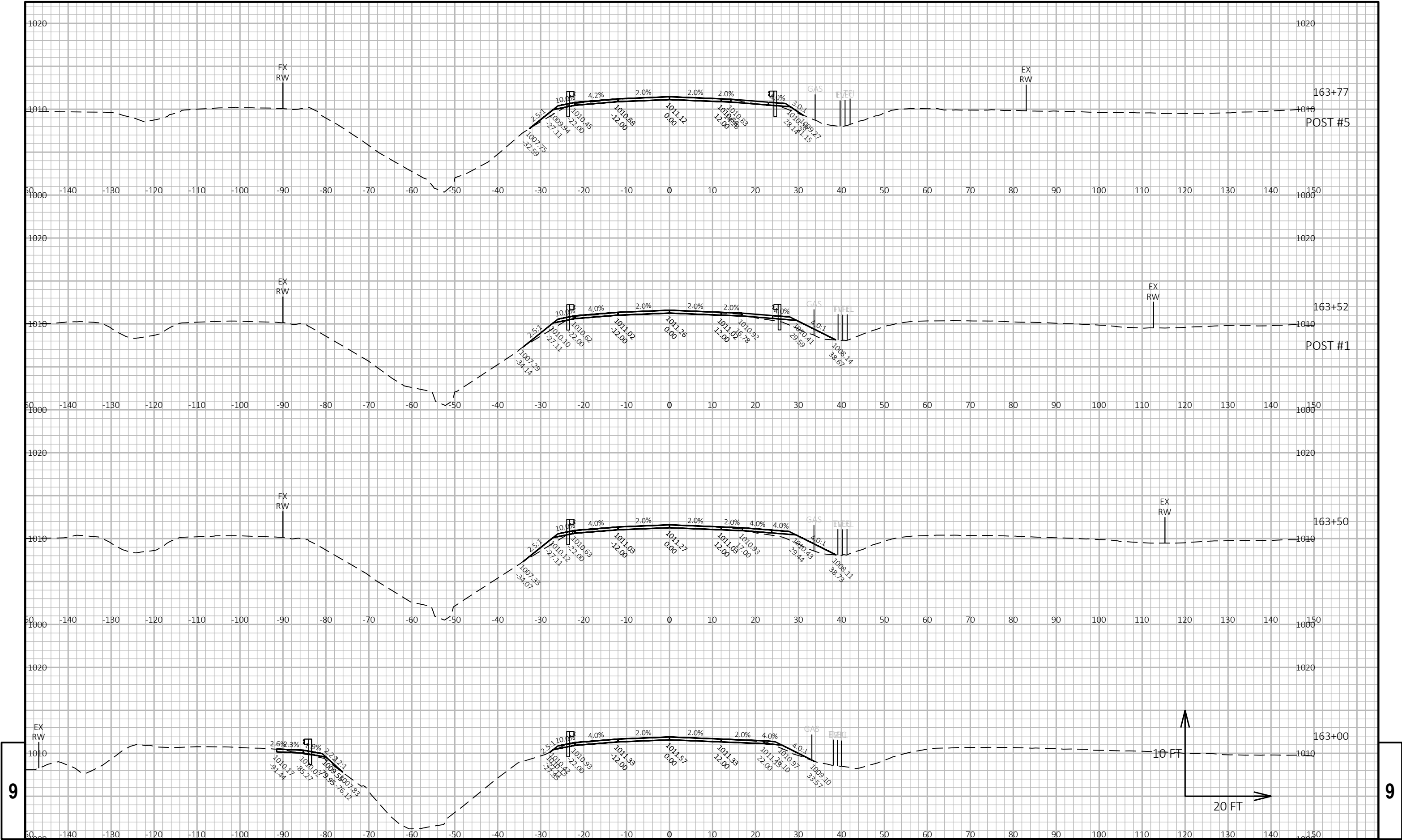
SHEET

E

DIVISION 4 - ALI-USH 18

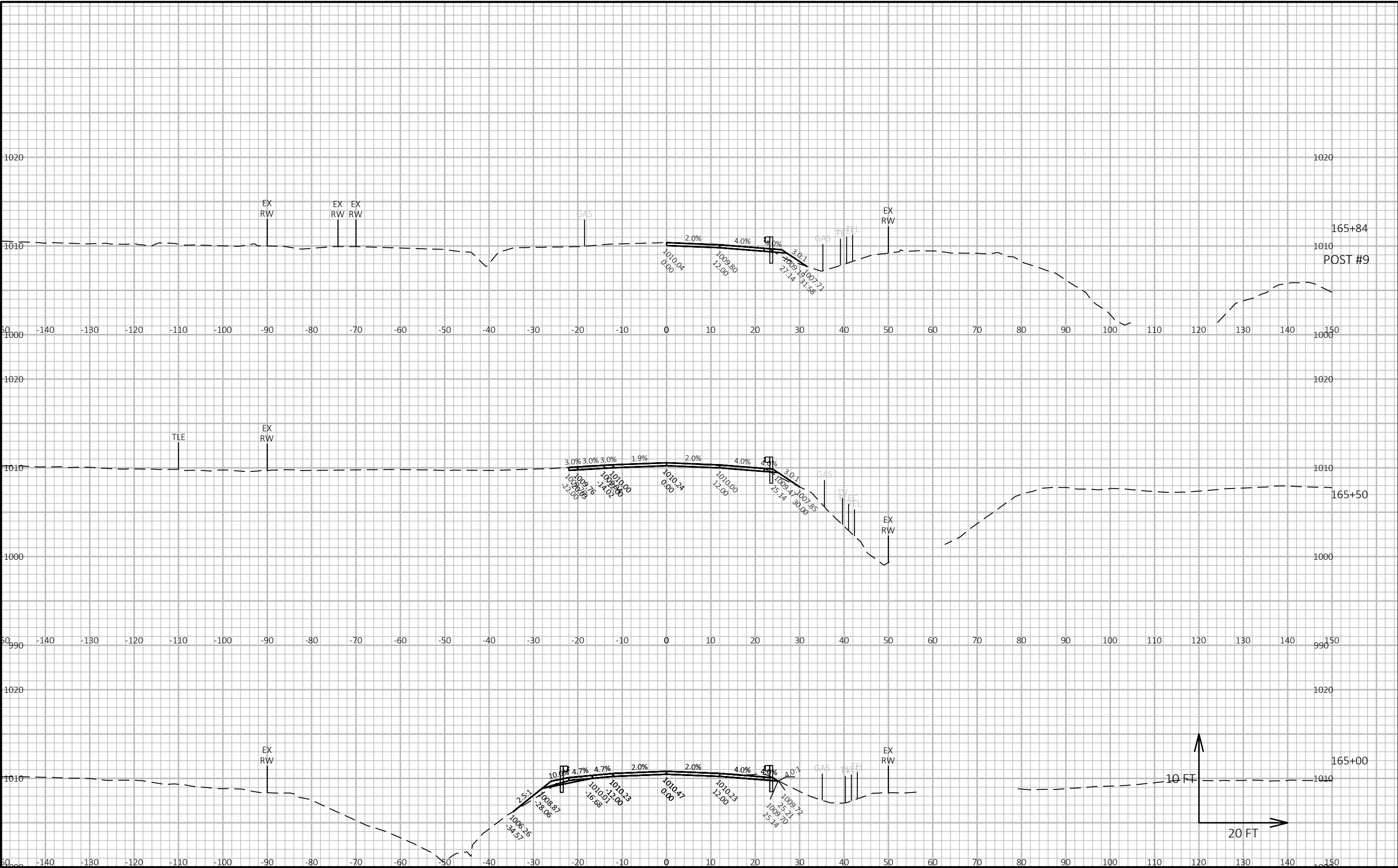
| STATION   | REAL STATION | DISTANCE | AREA (SF) |                                        |        |           |          |        | INCREMENTAL VOL (CY) (UNADJUSTED) |                                        |        |           |          |        | CUMULATIVE VOL (CY) |               |                            |               |                          |                          |                        |              |
|-----------|--------------|----------|-----------|----------------------------------------|--------|-----------|----------|--------|-----------------------------------|----------------------------------------|--------|-----------|----------|--------|---------------------|---------------|----------------------------|---------------|--------------------------|--------------------------|------------------------|--------------|
|           |              |          | CUT       | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL   | MARSH EXC | ROCK EXC | EBS    | CUT                               | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL   | MARSH EXC | ROCK EXC | EBS    | CUT                 | EXPANDED FILL | EXPANDED MARSH<br>BACKFILL | EXPANDED ROCK | EXPANDED EBS<br>BACKFILL | REDUCED MARSH<br>IN FILL | REDUCED EBS<br>IN FILL | MASS ORDNATE |
|           |              |          |           |                                        |        |           |          |        |                                   |                                        |        |           |          |        |                     |               |                            |               |                          |                          |                        |              |
|           |              |          |           |                                        |        |           |          |        |                                   |                                        |        |           |          |        |                     |               |                            |               |                          |                          |                        |              |
| NOTE 1    | NOTE 2       | NOTE 3   | NOTE 1    | NOTE 2                                 | NOTE 3 | NOTE 1    | NOTE 2   | NOTE 3 | NOTE 1                            | NOTE 2                                 | NOTE 3 | NOTE 1    | NOTE 2   | NOTE 3 | NOTE 1              | NOTE 2        | NOTE 3                     | NOTE 1        | NOTE 2                   | NOTE 3                   | NOTE 4                 |              |
| 291+75.00 | 29175.00     | 0.00     | 0.00      | 0.00                                   | 15.98  | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 0      | 0         | 0        | 0      | 0                   | 0             | 0                          | 0             | 0                        | 0                        | 0                      | 0            |
| 291+95.00 | 29195.00     | 20.00    | 0.00      | 0.00                                   | 30.84  | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 17     | 0         | 0        | 0      | 0                   | 21            | 0                          | 0             | 0                        | 0                        | 0                      | -21          |
| 292+00.00 | 29200.00     | 5.00     | 0.00      | 0.00                                   | 30.75  | 0.00      | 0.00     | 0.00   | 0                                 | 0                                      | 6      | 0         | 0        | 0      | 0                   | 29            | 0                          | 0             | 0                        | 0                        | 0                      | -29          |
| 292+17.49 | 29217.49     | 17.49    | 5.00      | 0.00                                   | 25.12  | 0.00      | 0.00     | 0.00   | 2                                 | 0                                      | 18     | 0         | 0        | 0      | 2                   | 51            | 0                          | 0             | 0                        | 0                        | 0                      | -49          |
| 292+35.00 | 29235.00     | 17.51    | 7.01      | 0.00                                   | 12.19  | 0.00      | 0.00     | 0.00   | 4                                 | 0                                      | 12     | 0         | 0        | 0      | 6                   | 66            | 0                          | 0             | 0                        | 0                        | 0                      | -60          |
| 292+50.00 | 29250.00     | 15.00    | 6.72      | 0.00                                   | 11.50  | 0.00      | 0.00     | 0.00   | 4                                 | 0                                      | 7      | 0         | 0        | 0      | 10                  | 75            | 0                          | 0             | 0                        | 0                        | 0                      | -65          |
| 292+60.00 | 29260.00     | 10.00    | 5.84      | 0.00                                   | 10.29  | 0.00      | 0.00     | 0.00   | 2                                 | 0                                      | 4      | 0         | 0        | 0      | 12                  | 80            | 0                          | 0             | 0                        | 0                        | 0                      | -68          |
| 292+85.00 | 29285.00     | 25.00    | 3.98      | 0.00                                   | 8.25   | 0.00      | 0.00     | 0.00   | 5                                 | 0                                      | 9      | 0         | 0        | 0      | 17                  | 91            | 0                          | 0             | 0                        | 0                        | 0                      | -74          |
| 293+00.00 | 29300.00     | 15.00    | 4.24      | 0.00                                   | 4.27   | 0.00      | 0.00     | 0.00   | 2                                 | 0                                      | 3      | 0         | 0        | 0      | 19                  | 95            | 0                          | 0             | 0                        | 0                        | 0                      | -76          |
| 293+50.00 | 29350.00     | 50.00    | 4.55      | 0.00                                   | 1.79   | 0.00      | 0.00     | 0.00   | 8                                 | 0                                      | 6      | 0         | 0        | 0      | 27                  | 103           | 0                          | 0             | 0                        | 0                        | 0                      | -76          |
| 293+85.00 | 29385.00     | 35.00    | 11.75     | 0.00                                   | 2.21   | 0.00      | 0.00     | 0.00   | 11                                | 0                                      | 3      | 0         | 0        | 0      | 38                  | 106           | 0                          | 0             | 0                        | 0                        | 0                      | -68          |
| 294+00.00 | 29400.00     | 15.00    | 12.54     | 0.00                                   | 10.63  | 0.00      | 0.00     | 0.00   | 7                                 | 0                                      | 4      | 0         | 0        | 0      | 45                  | 111           | 0                          | 0             | 0                        | 0                        | 0                      | -66          |
| 294+10.00 | 29410.00     | 10.00    | 12.44     | 0.00                                   | 6.33   | 0.00      | 0.00     | 0.00   | 5                                 | 0                                      | 3      | 0         | 0        | 0      | 50                  | 115           | 0                          | 0             | 0                        | 0                        | 0                      | -65          |
| 294+35.00 | 29435.00     | 25.00    | 13.36     | 0.00                                   | 1.12   | 0.00      | 0.00     | 0.00   | 12                                | 0                                      | 3      | 0         | 0        | 0      | 62                  | 119           | 0                          | 0             | 0                        | 0                        | 0                      | -57          |
| 294+50.00 | 29450.00     | 15.00    | 13.55     | 0.00                                   | 7.80   | 0.00      | 0.00     | 0.00   | 7                                 | 0                                      | 2      | 0         | 0        | 0      | 69                  | 121           | 0                          | 0             | 0                        | 0                        | 0                      | -52          |
| 295+00.00 | 29500.00     | 50.00    | 11.31     | 0.00                                   | 2.31   | 0.00      | 0.00     | 0.00   | 23                                | 0                                      | 9      | 0         | 0        | 0      | 92                  | 133           | 0                          | 0             | 0                        | 0                        | 0                      | -41          |
| 295+50.00 | 29550.00     | 50.00    | 13.16     | 0.00                                   | 0.77   | 0.00      | 0.00     | 0.00   | 23                                | 0                                      | 3      | 0         | 0        | 0      | 115                 | 136           | 0                          | 0             | 0                        | 0                        | 0                      | -21          |
| 296+00.00 | 29600.00     | 50.00    | 12.52     | 0.00                                   | 1.96   | 0.00      | 0.00     | 0.00   | 24                                | 0                                      | 3      | 0         | 0        | 0      | 139                 | 140           | 0                          | 0             | 0                        | 0                        | 0                      | -1           |
| 296+50.00 | 29650.00     | 50.00    | 12.20     | 0.00                                   | 5.03   | 0.00      | 0.00     | 0.00   | 23                                | 0                                      | 6      | 0         | 0        | 0      | 162                 | 148           | 0                          | 0             | 0                        | 0                        | 0                      | 15           |
| 297+00.00 | 29700.00     | 50.00    | 14.14     | 0.00                                   | 5.48   | 0.00      | 0.00     | 0.00   | 24                                | 0                                      | 10     | 0         | 0        | 0      | 186                 | 160           | 0                          | 0             | 0                        | 0                        | 0                      | 26           |
| 297+50.00 | 29750.00     | 50.00    | 14.44     | 0.00                                   | 40.67  | 0.00      | 0.00     | 0.00   | 26                                | 0                                      | 43     | 0         | 0        | 0      | 212                 | 214           | 0                          | 0             | 0                        | 0                        | 0                      | -2           |
| 297+75.72 | 29775.72     | 25.72    | 13.80     | 0.00                                   | 71.20  | 0.00      | 0.00     | 0.00   | 13                                | 0                                      | 53     | 0         | 0        | 0      | 225                 | 280           | 0                          | 0             | 0                        | 0                        | 0                      | -55          |
| 298+00.00 | 29800.00     | 24.28    | 14.06     | 0.00                                   | 54.31  | 0.00      | 0.00     | 0.00   | 13                                | 0                                      | 56     | 0         | 0        | 0      | 238                 | 350           | 0                          | 0             | 0                        | 0                        | 0                      | -112         |
| 298+47.07 | 29847.07     | 47.07    | 13.17     | 0.00                                   | 4.87   | 0.00      | 0.00     | 0.00   | 24                                | 0                                      | 52     | 0         | 0        | 0      | 262                 | 415           | 0                          | 0             | 0                        | 0                        | 0                      | -153         |
| 298+50.00 | 29850.00     | 2.93     | 13.06     | 0.00                                   | 5.12   | 0.00      | 0.00     | 0.00   | 1                                 | 0                                      | 1      | 0         | 0        | 0      | 263                 | 416           | 0                          | 0             | 0                        | 0                        | 0                      | -153         |
| 298+78.30 | 29878.30     | 28.30    | 6.10      | 0.00                                   | 9.88   | 0.00      | 0.00     | 0.00   | 10                                | 0                                      | 8      | 0         | 0        | 0      | 273                 | 426           | 0                          | 0             | 0                        | 0                        | 0                      | -153         |
| 299+00.00 | 29900.00     | 21.70    | 5.58      | 0.00                                   | 25.96  | 0.00      | 0.00     | 0.00   | 5                                 | 0                                      | 14     | 0         | 0        | 0      | 278                 | 444           | 0                          | 0             | 0                        | 0                        | 0                      | -166         |
| 299+03.00 | 29903.00     | 3.00     | 5.41      | 0.00                                   | 28.21  | 0.00      | 0.00     | 0.00   | 1                                 | 0                                      | 3      | 0         | 0        | 0      | 279                 | 448           | 0                          | 0             | 0                        | 0                        | 0                      | -169         |
| 299+50.00 | 29950.00     | 47.00    | 5.80      | 0.00                                   | 0.33   | 0.00      | 0.00     | 0.00   | 10                                | 0                                      | 25     | 0         | 0        | 0      | 289                 | 479           | 0                          | 0             | 0                        | 0                        | 0                      | -190         |
| 299+85.00 | 29985.00     | 35.00    | 6.26      | 0.00                                   | 10.59  | 0.00      | 0.00     | 0.00   | 8                                 | 0                                      | 7      | 0         | 0        | 0      | 297                 | 488           | 0                          | 0             | 0                        | 0                        | 0                      | -191         |

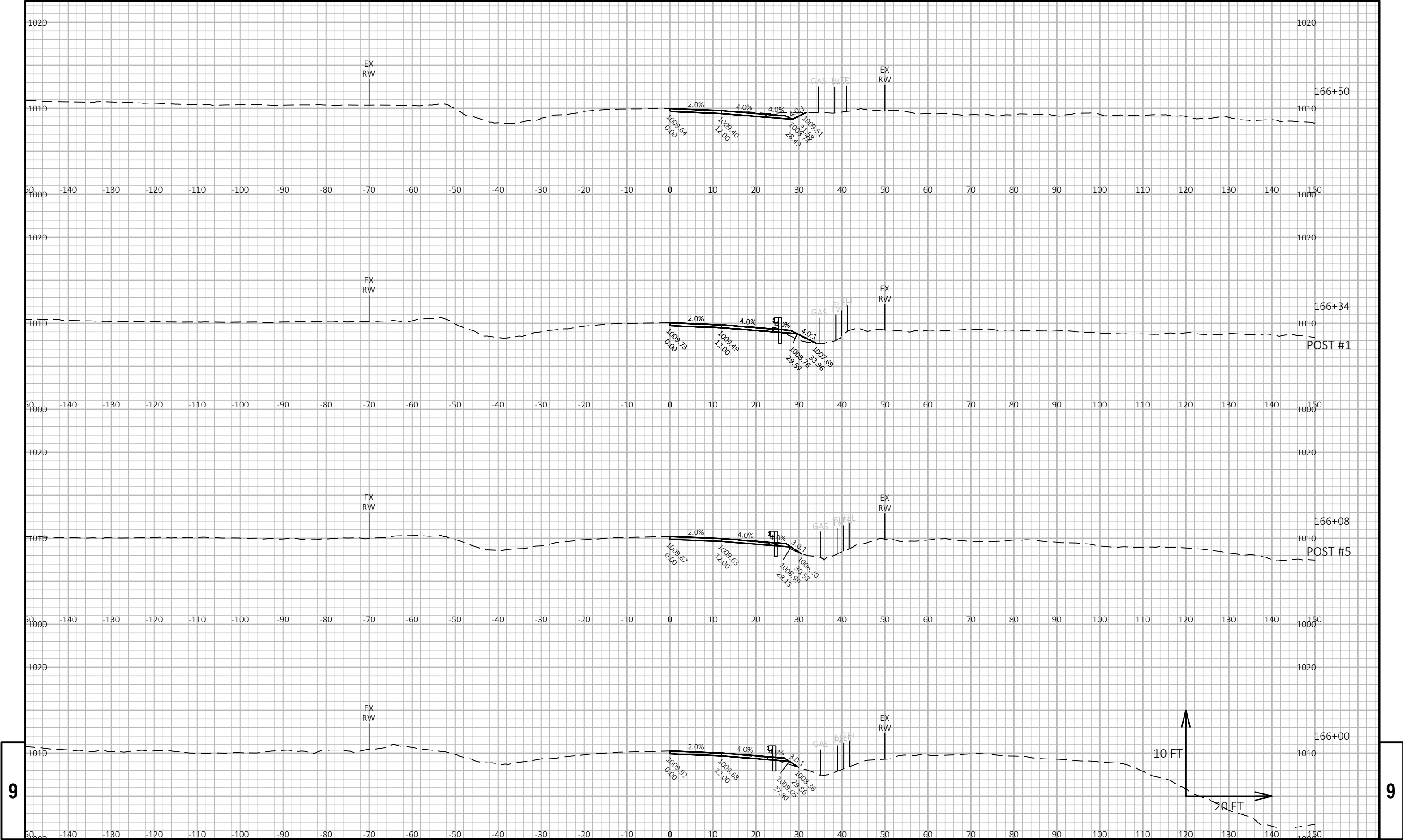


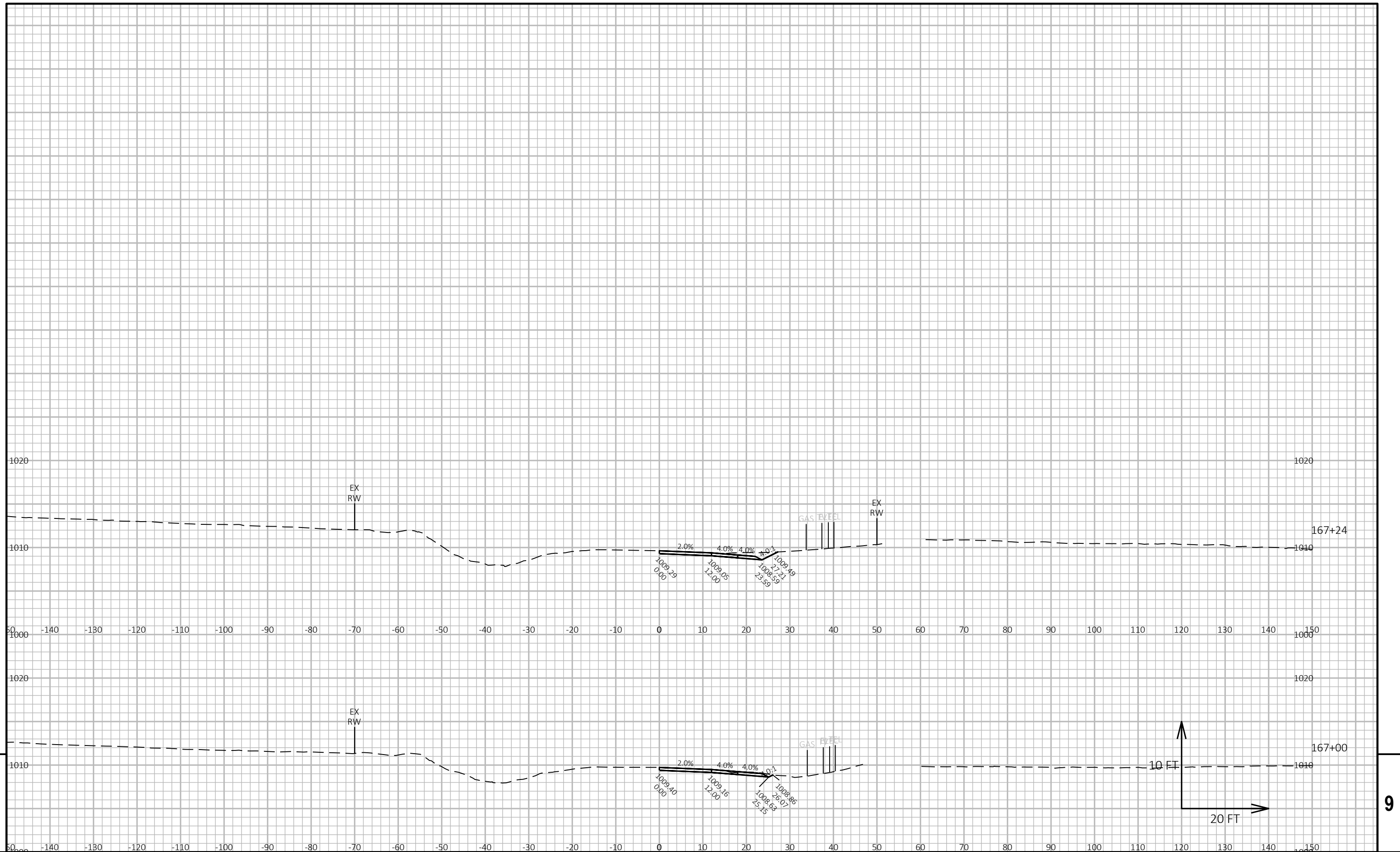












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| PROJECT NO: | 2210-12-70 |
|-------------|------------|

HWY: USH 18

COUNTY: WAUKESHA

CROSS SECTIONS: USH 18

SHEET

E

FILE NAME : N:\PDS\C3D\22101200\SHEETSPLAN\090201\_XS.DWG  
LAYOUT NAME - 090201-05

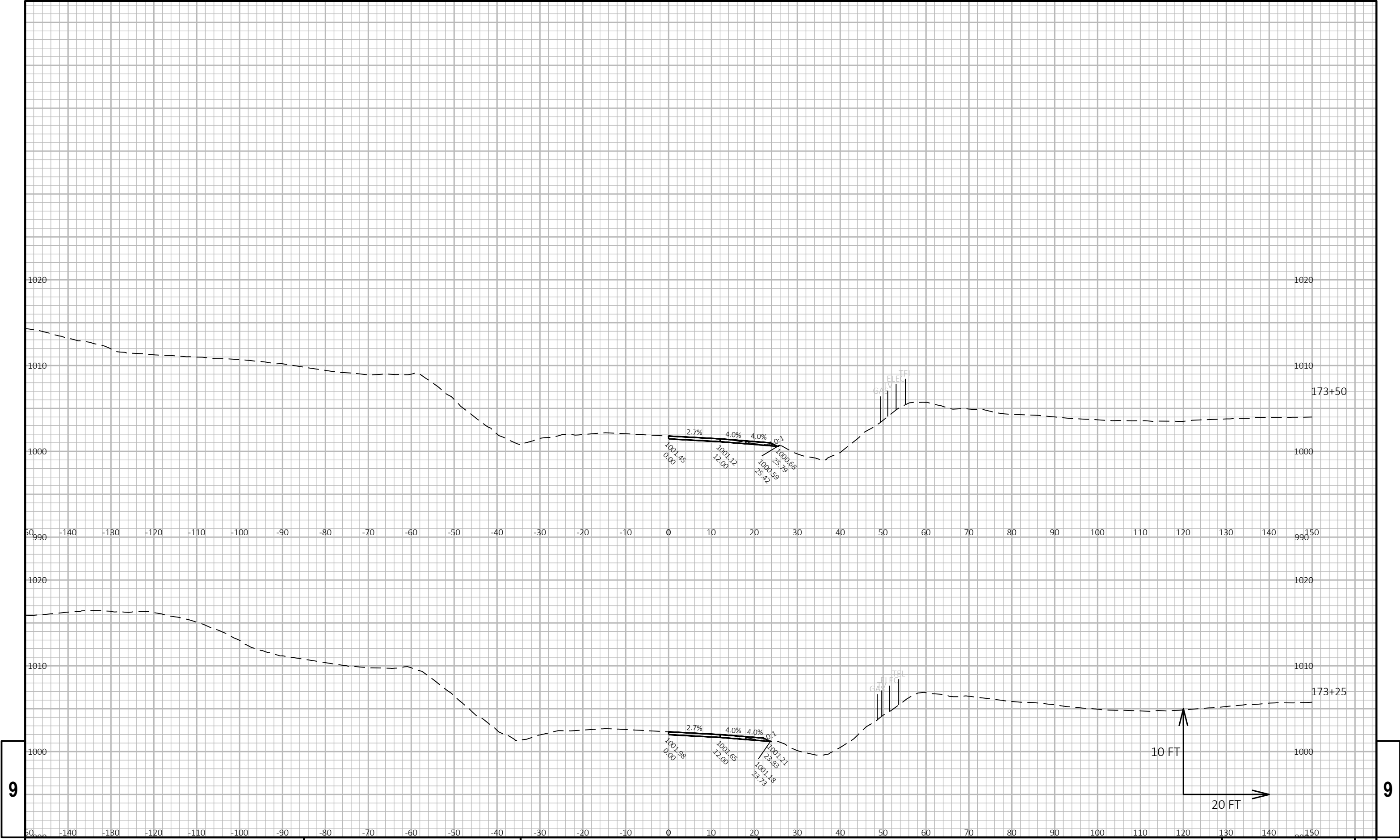
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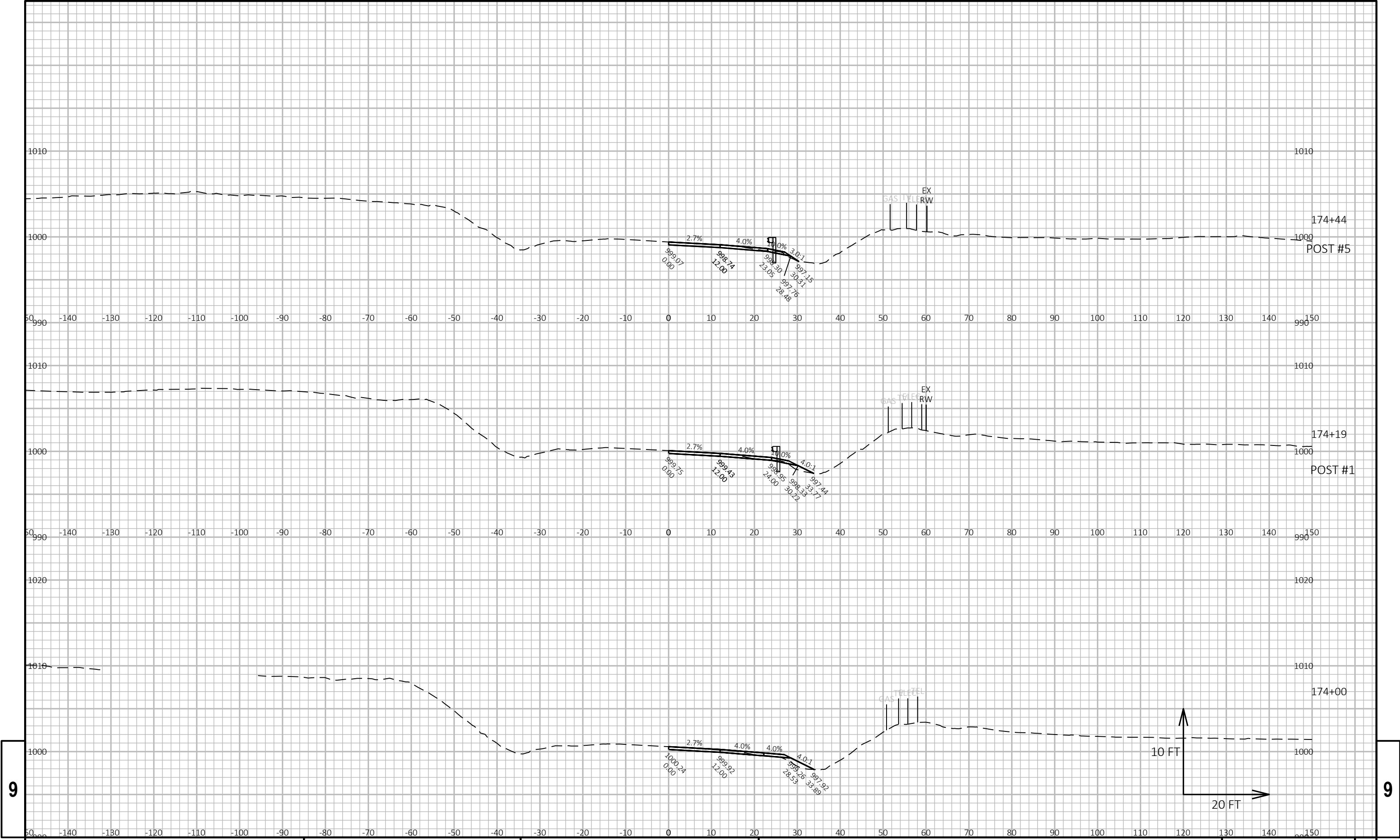
PLOT BY : MOUNT, JOSHUA

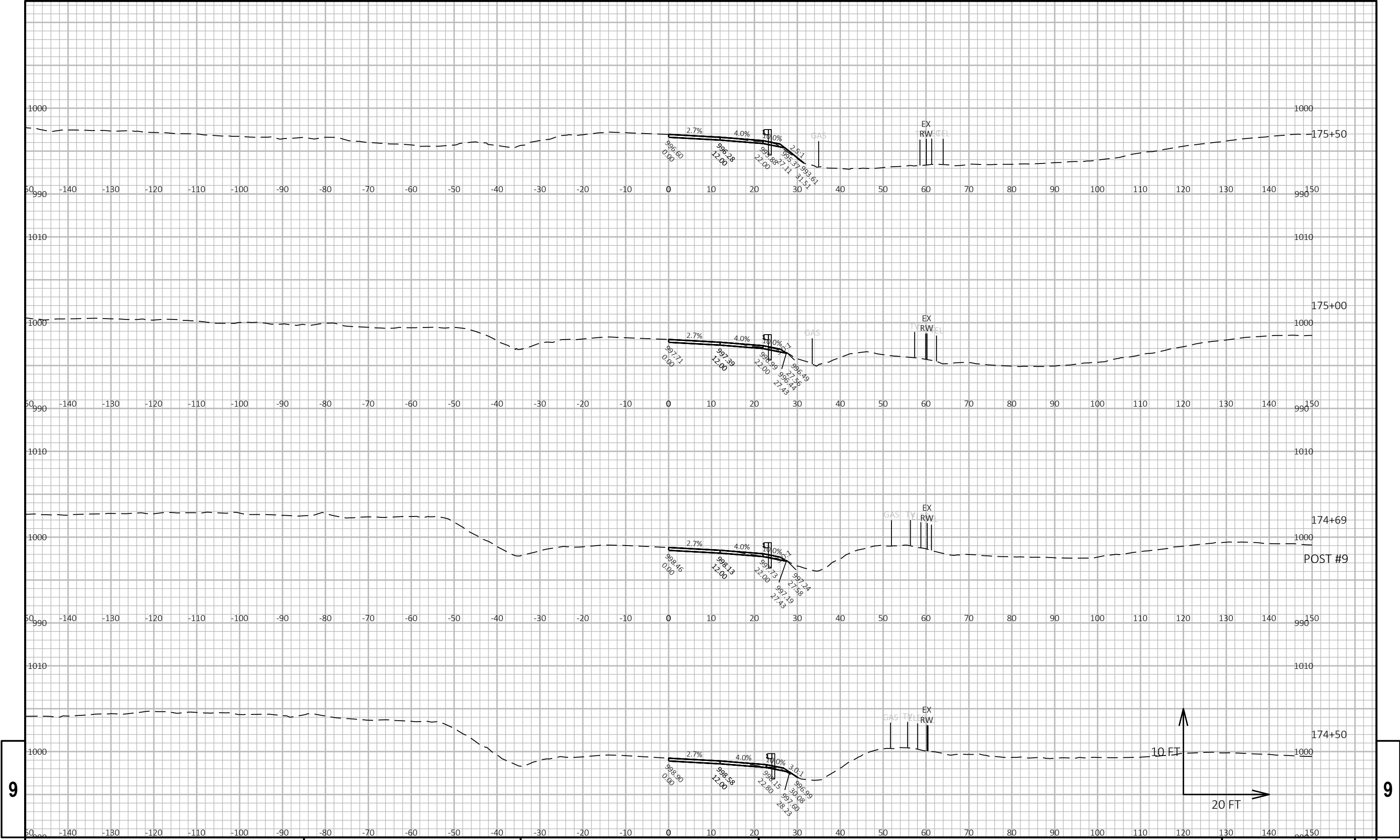
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

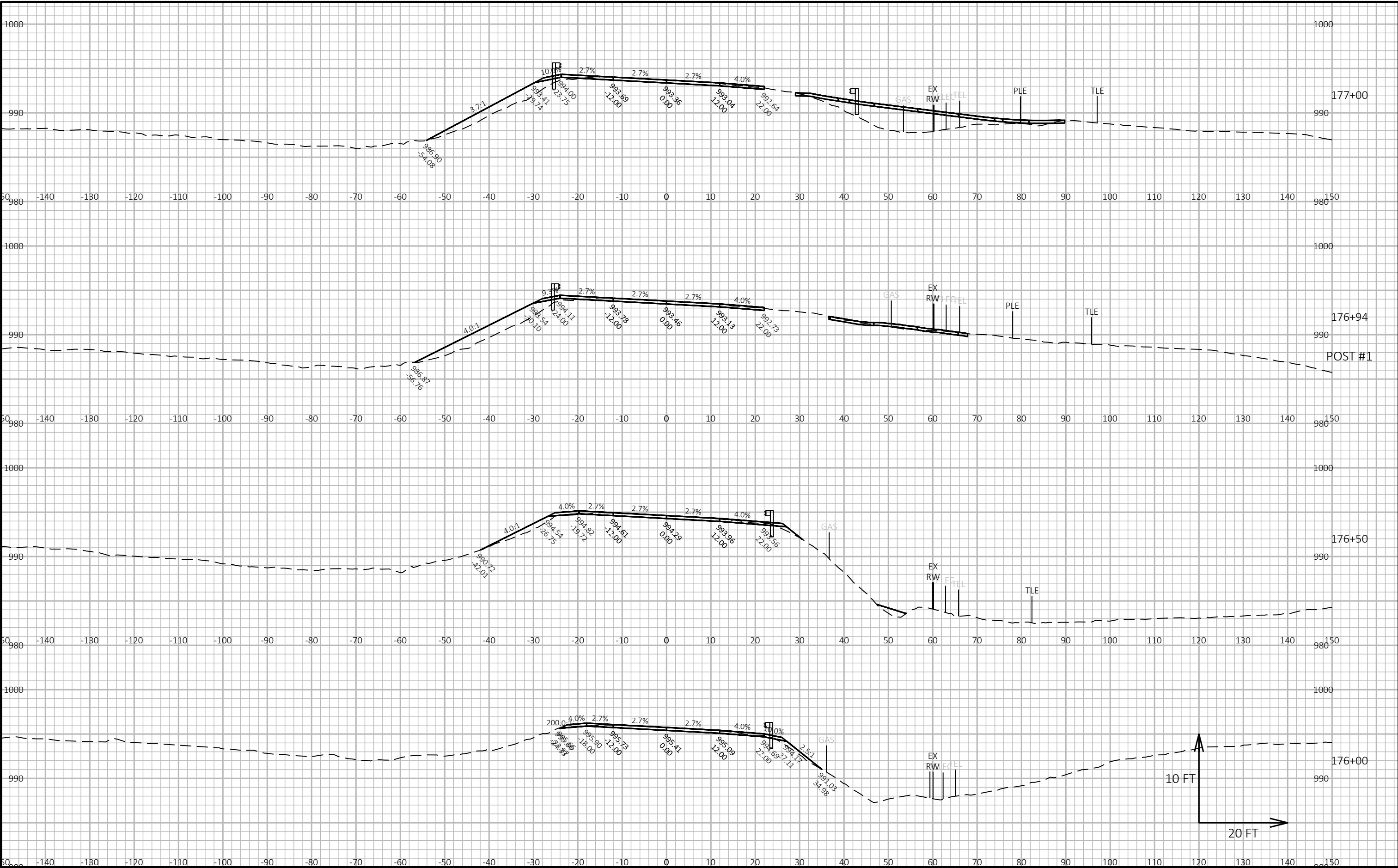
WISDOT/CADDS SHEET 49

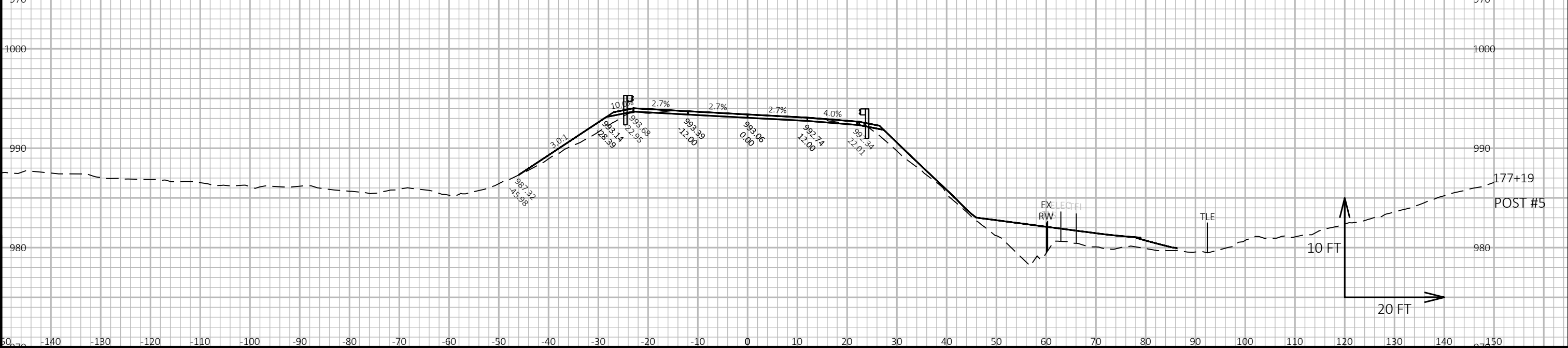
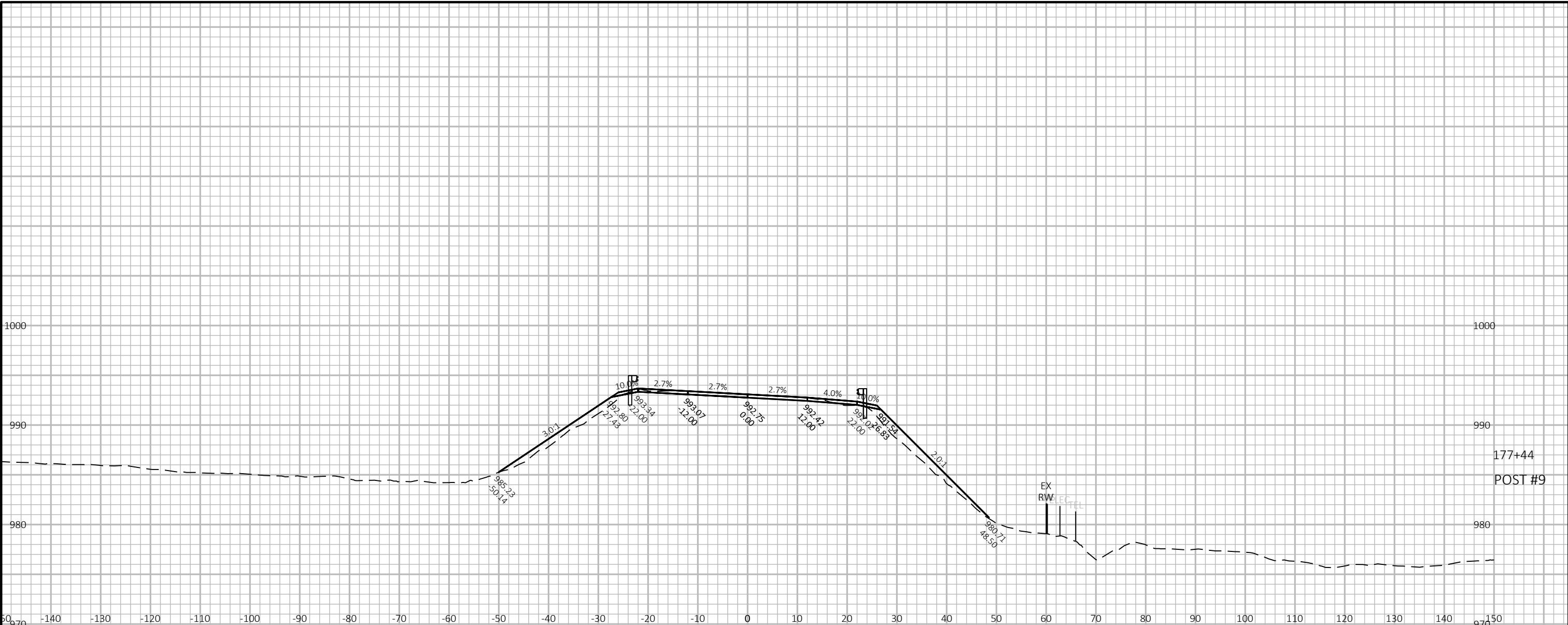




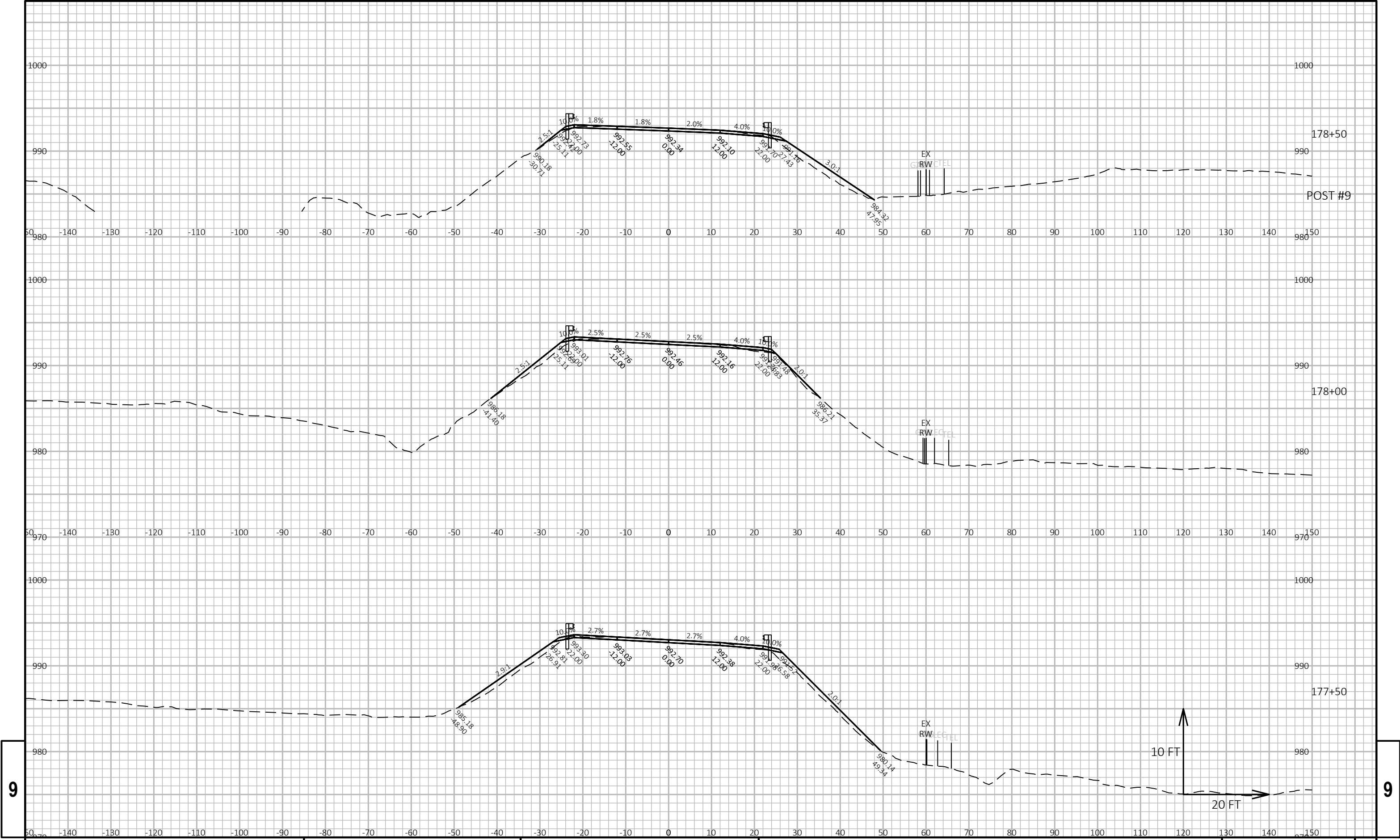


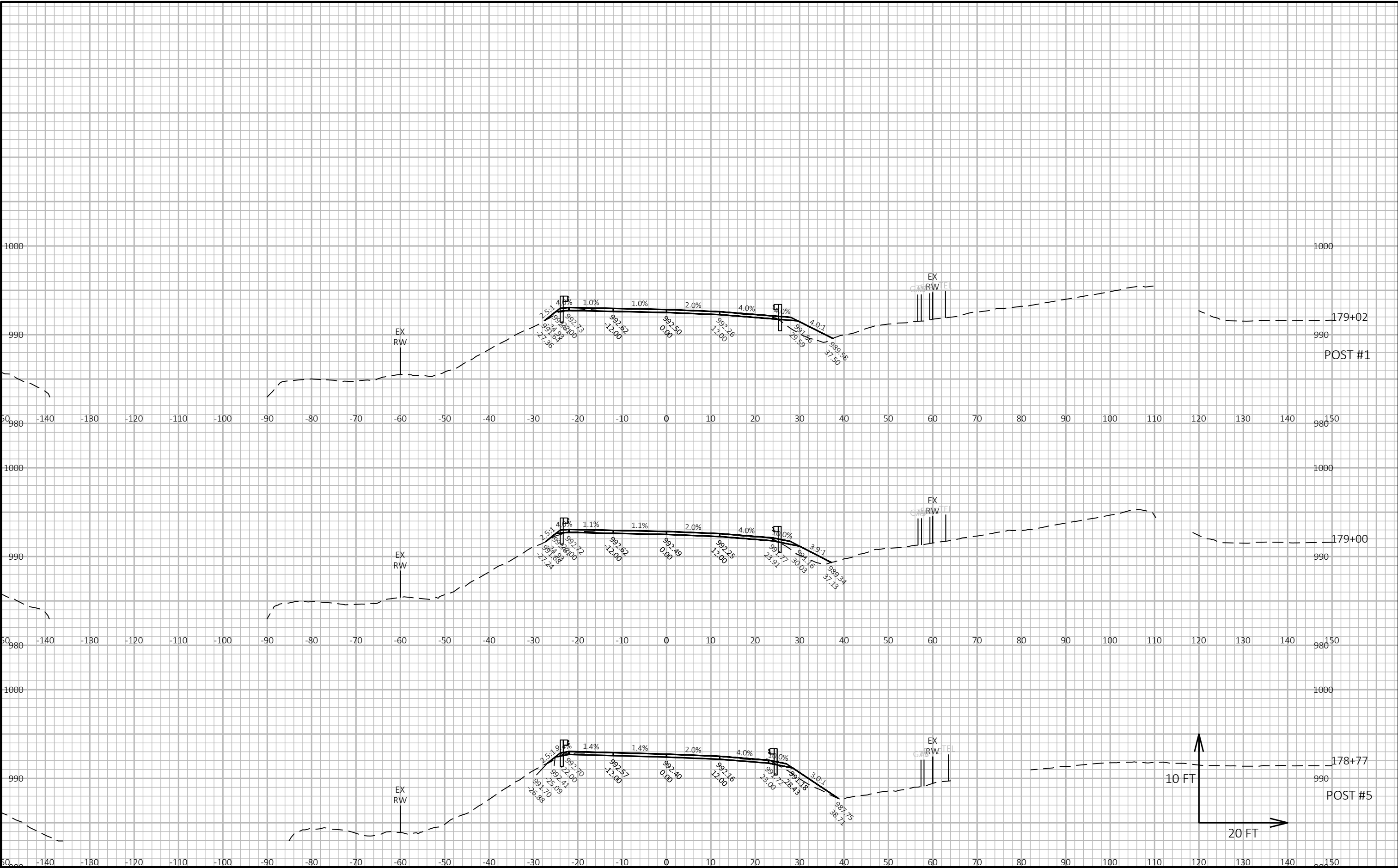


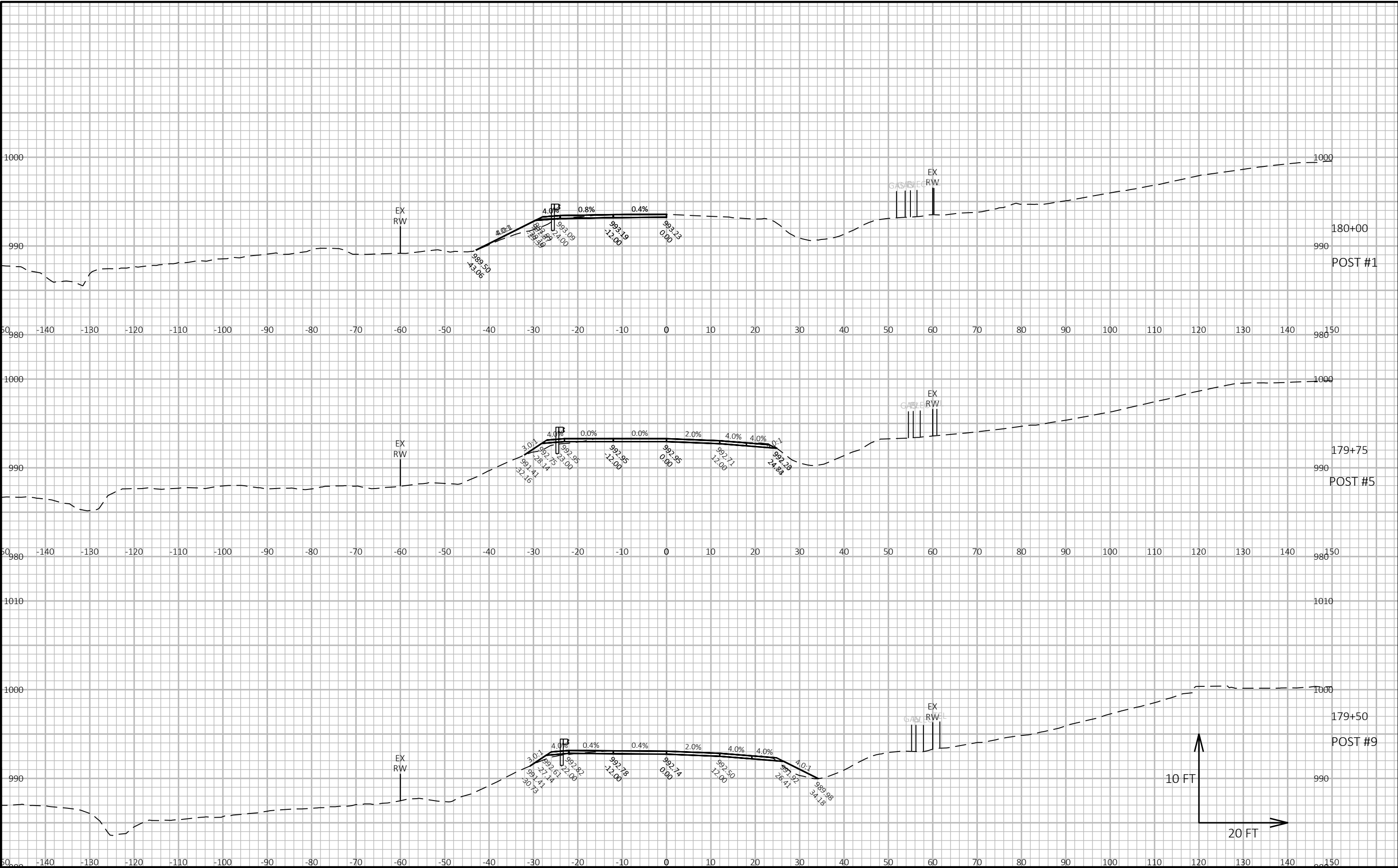




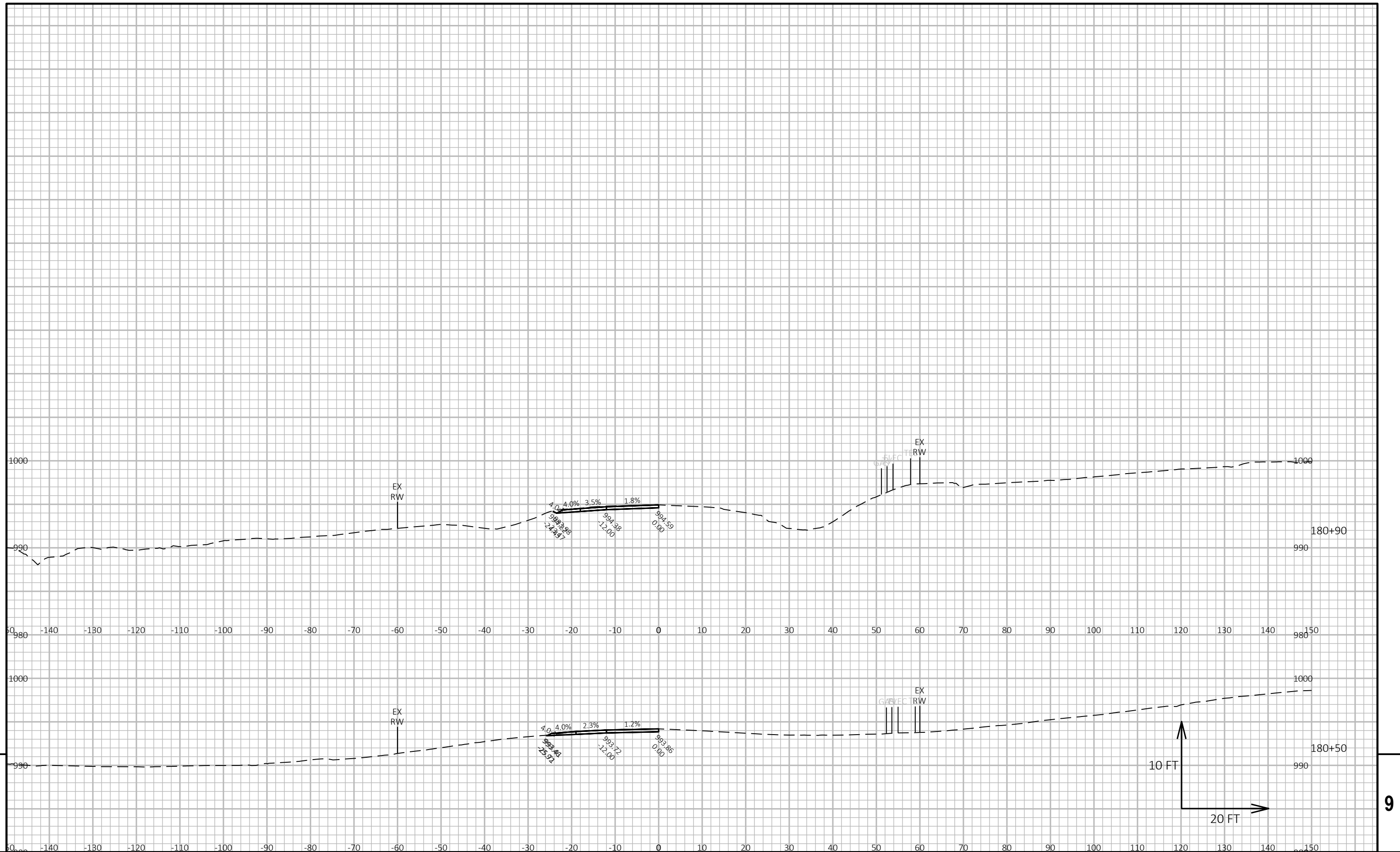
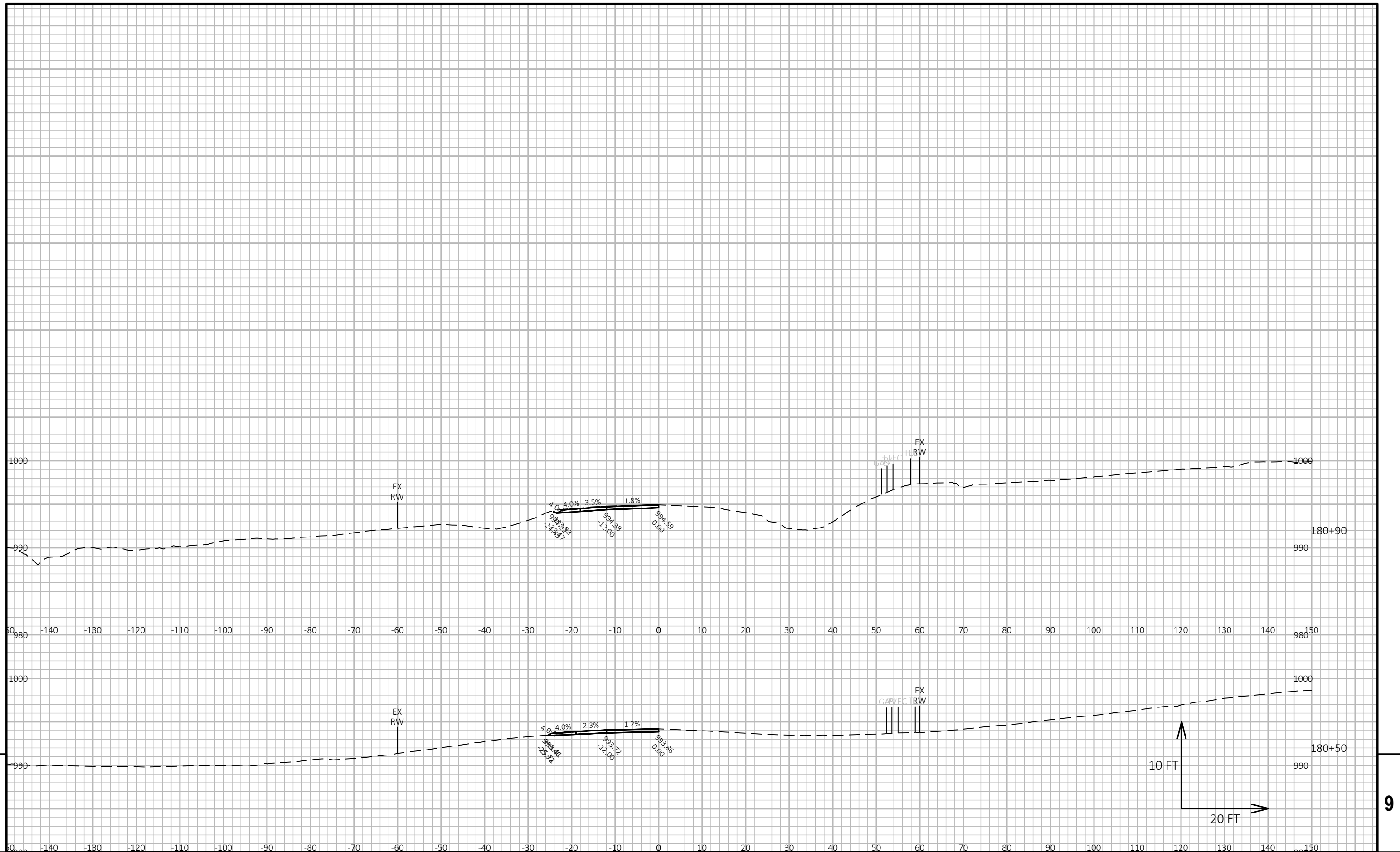






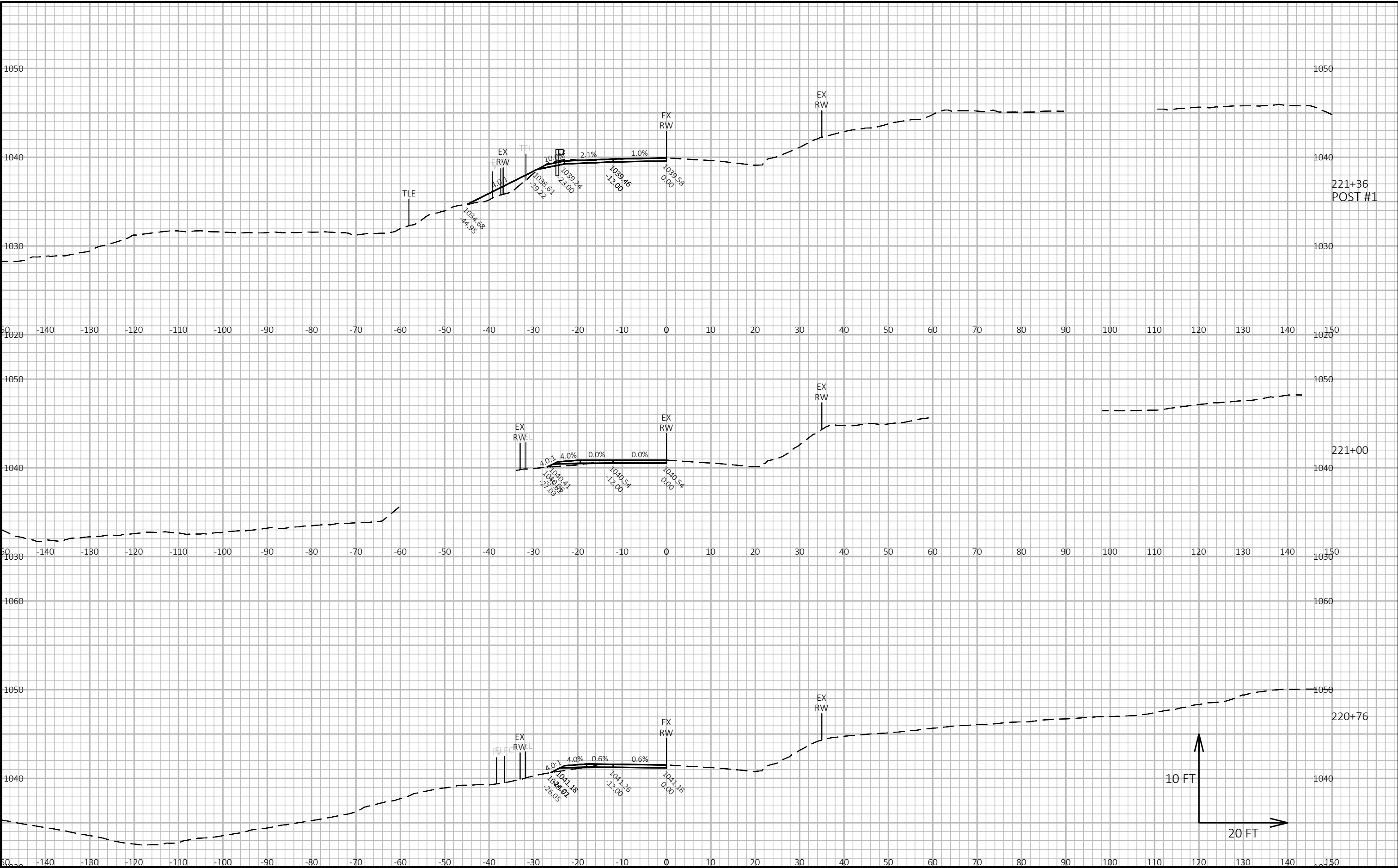


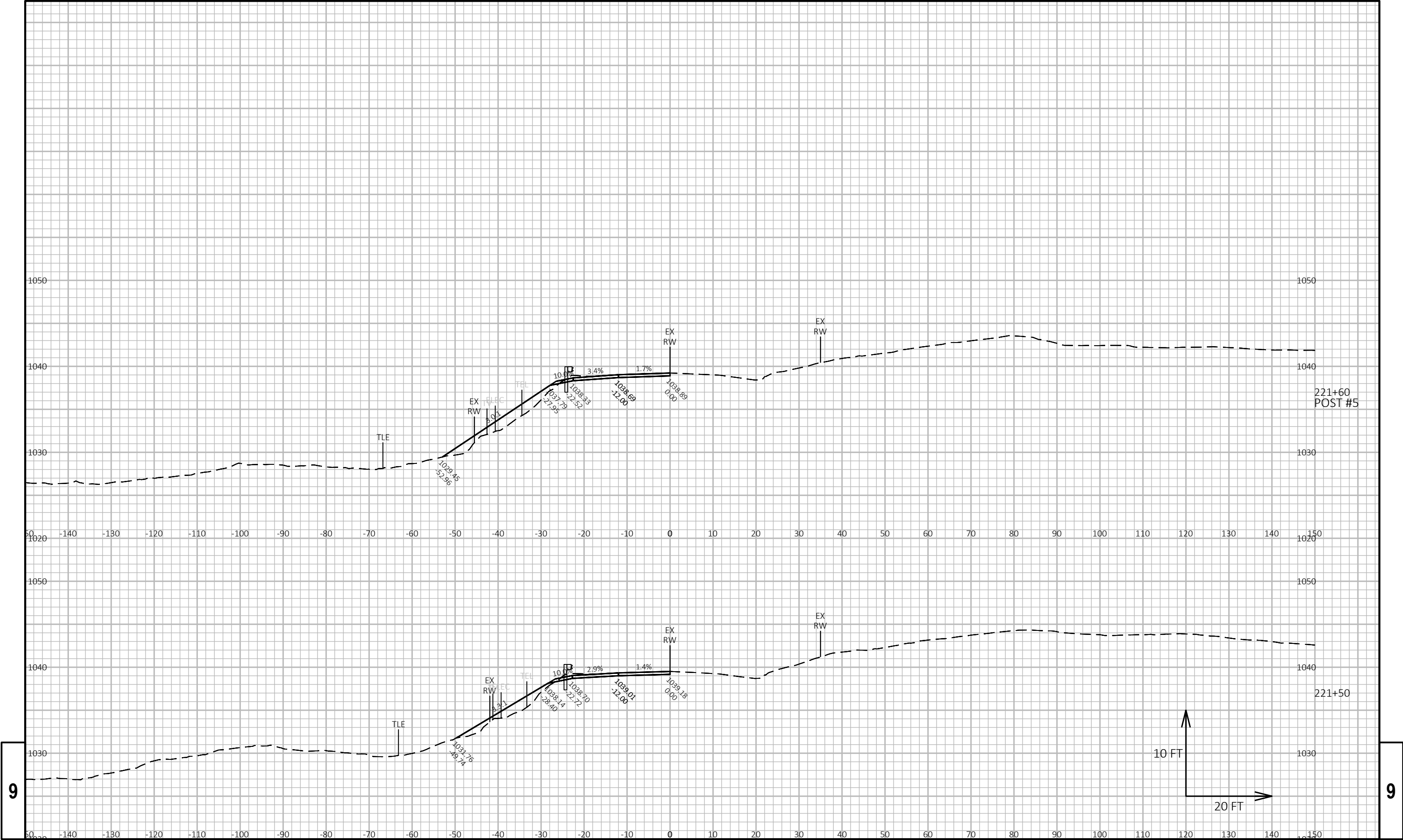
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| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | CROSS SECTIONS: USH 18 | SHEET |
|------------------------|-------------|------------------|------------------------|-------|



|                        |             |                  |                        |       |          |
|------------------------|-------------|------------------|------------------------|-------|----------|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | CROSS SECTIONS: USH 18 | SHEET | <b>E</b> |
|------------------------|-------------|------------------|------------------------|-------|----------|

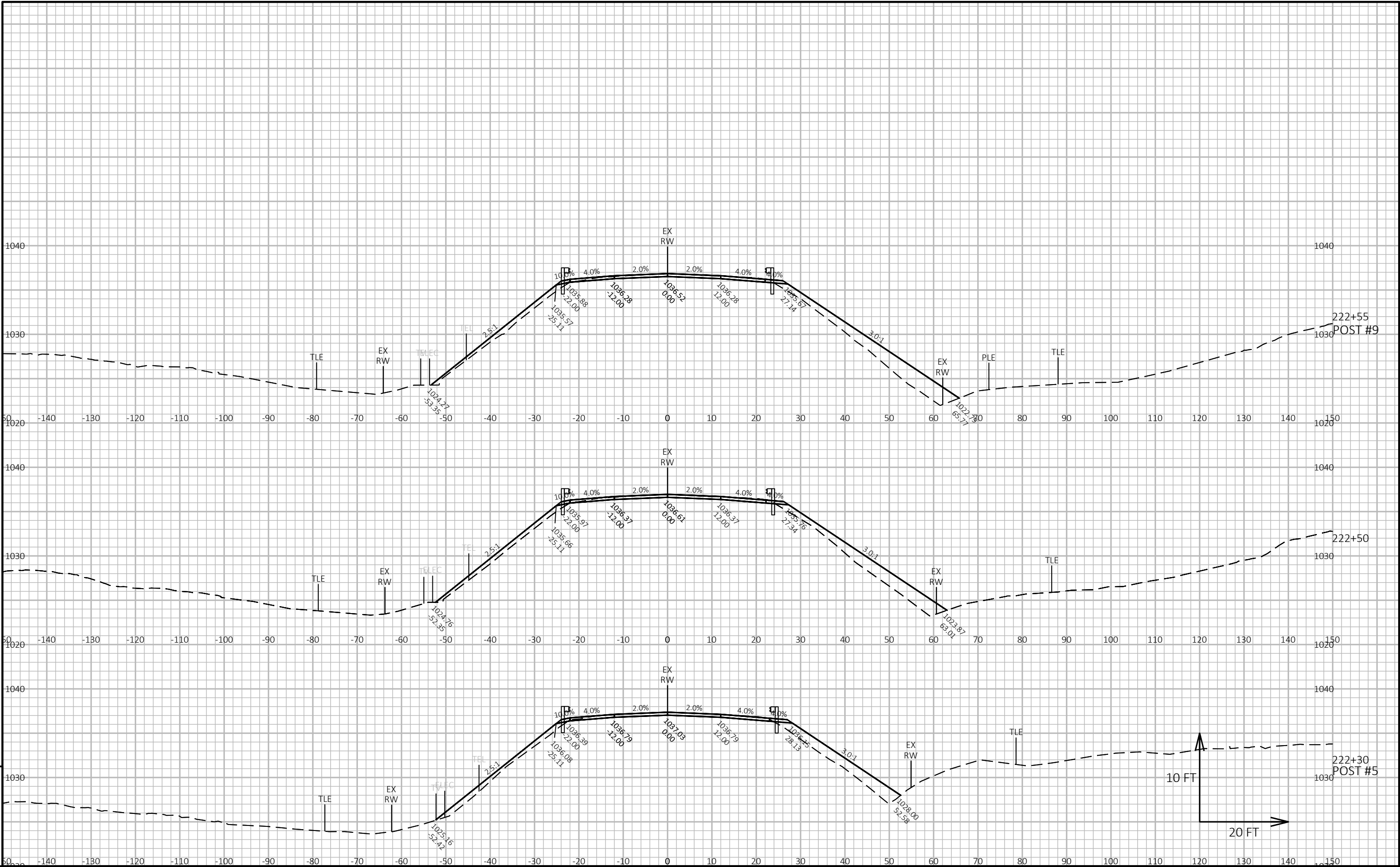
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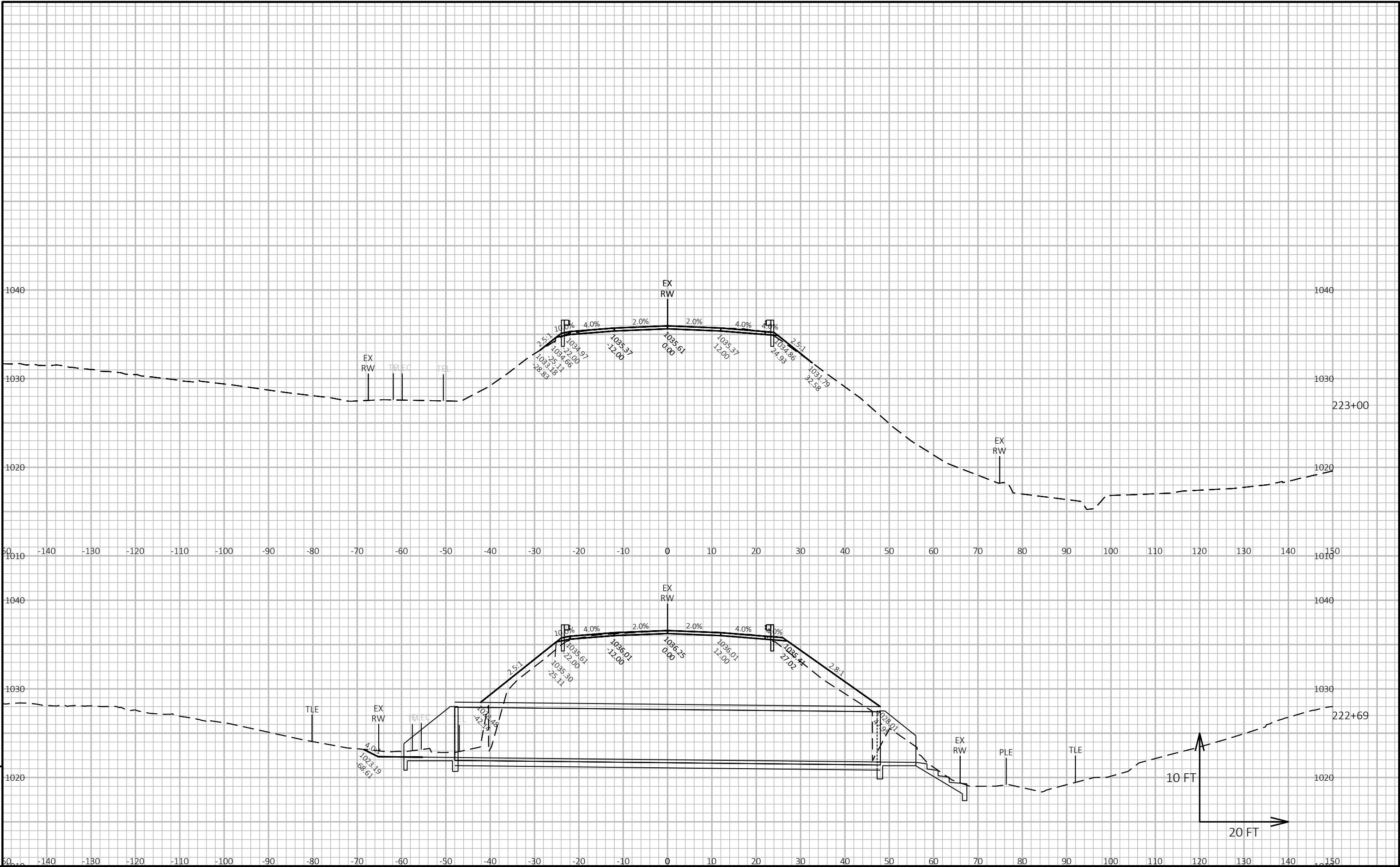




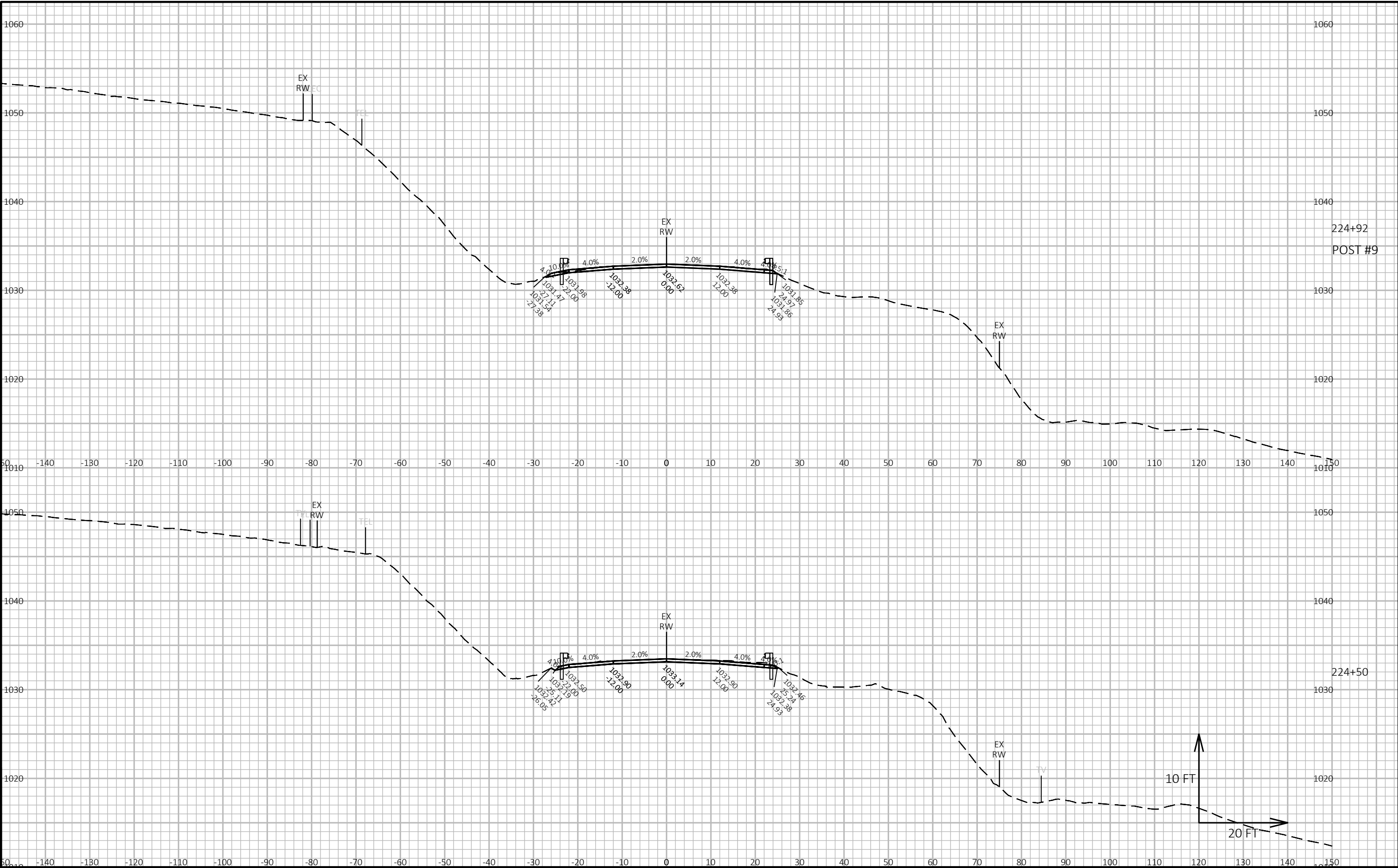


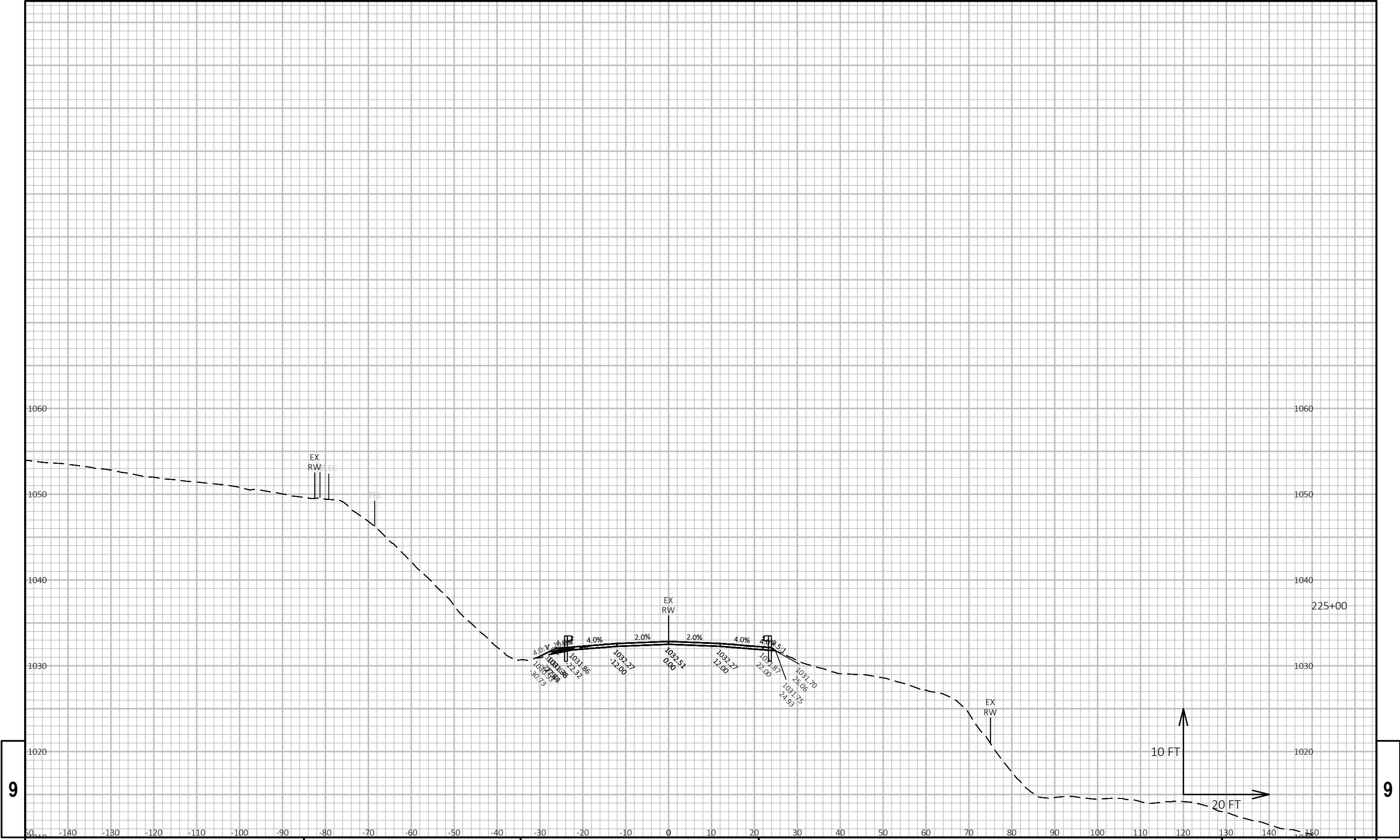




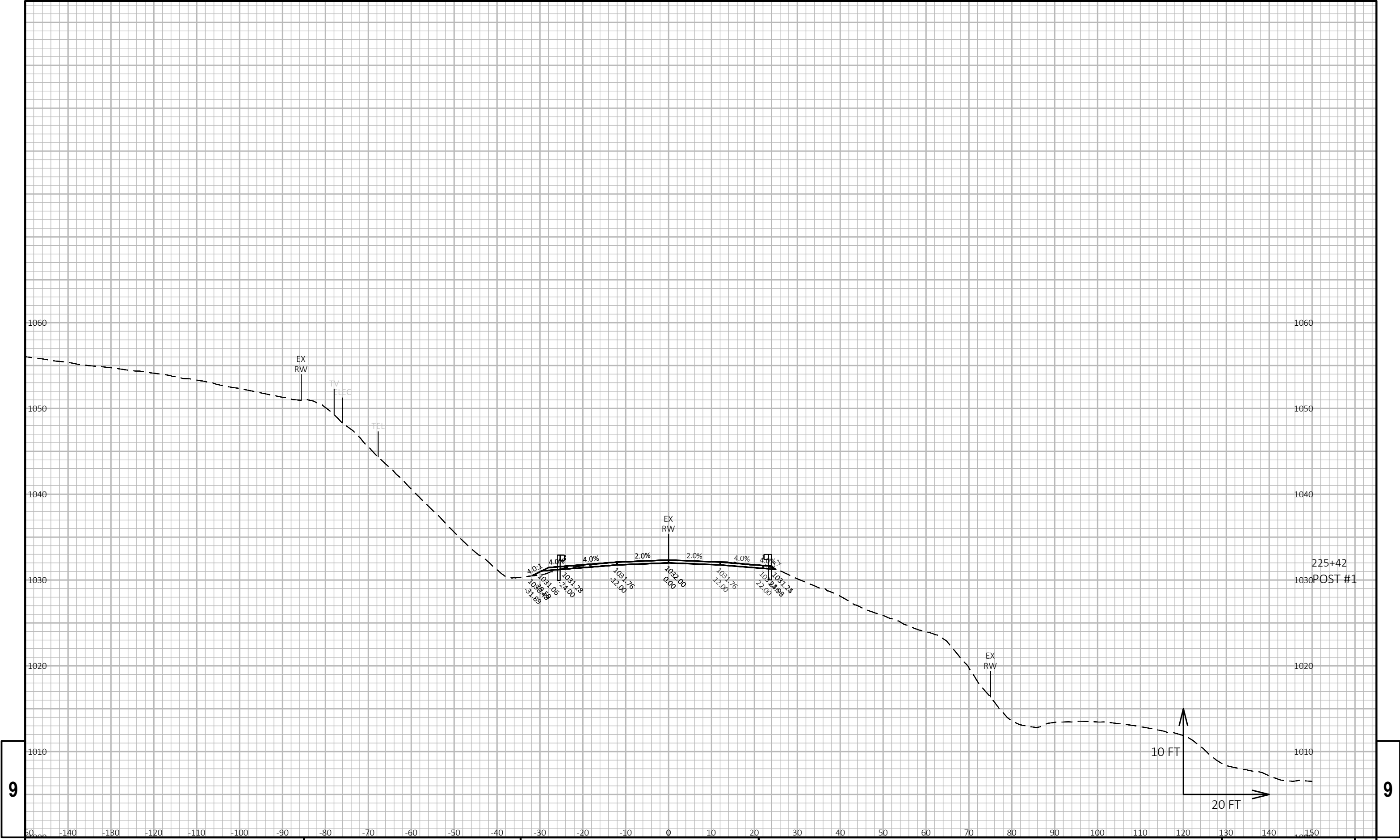












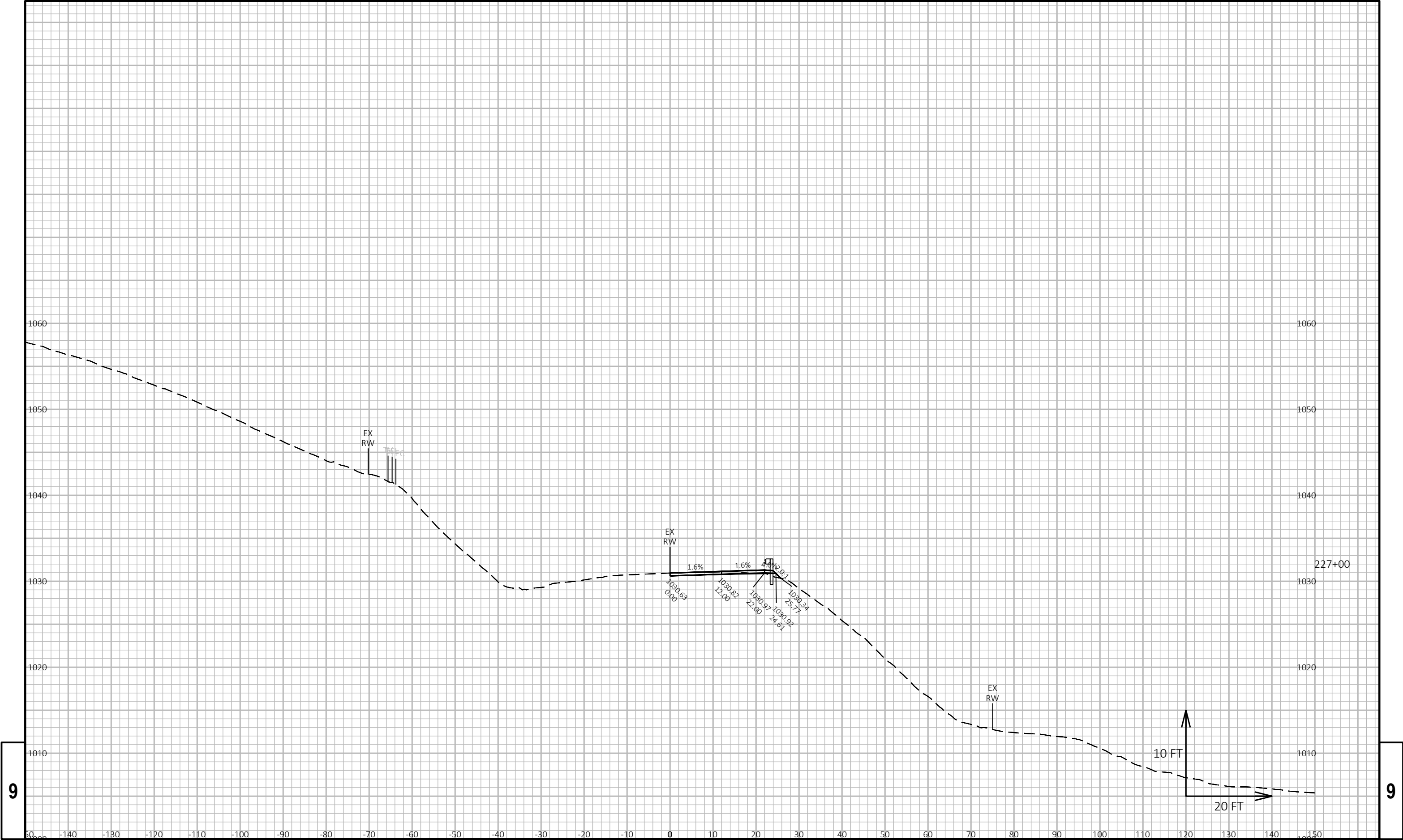






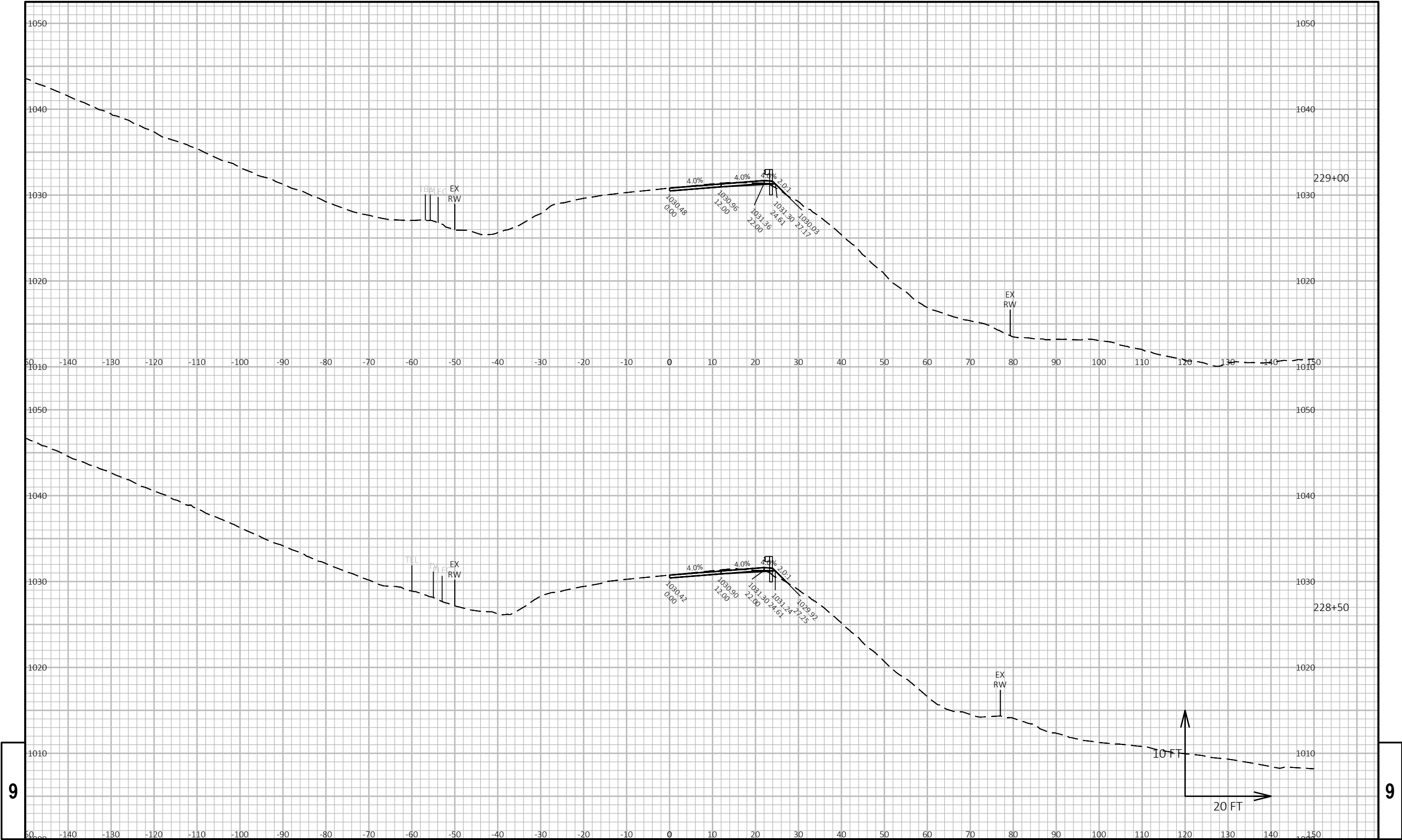






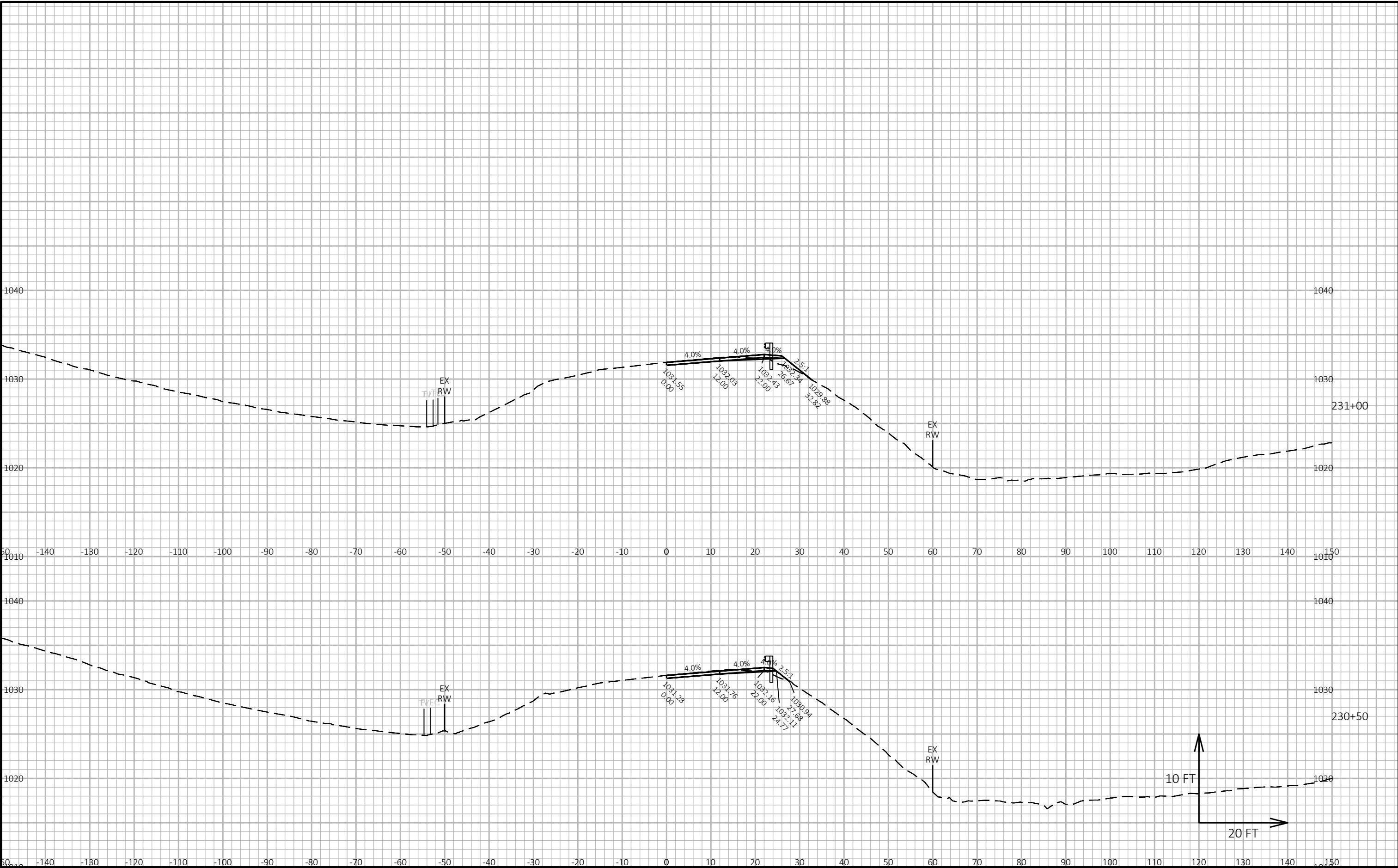


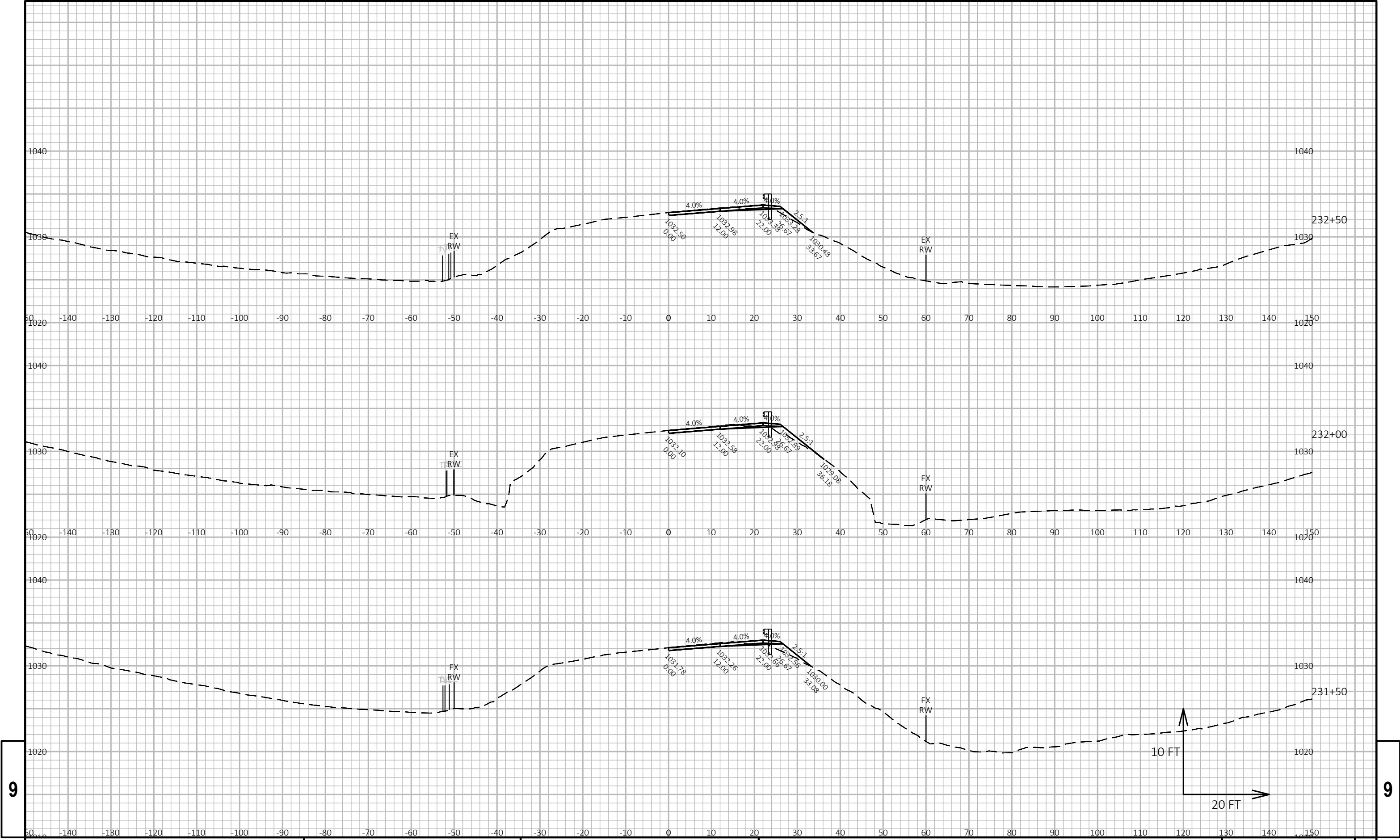






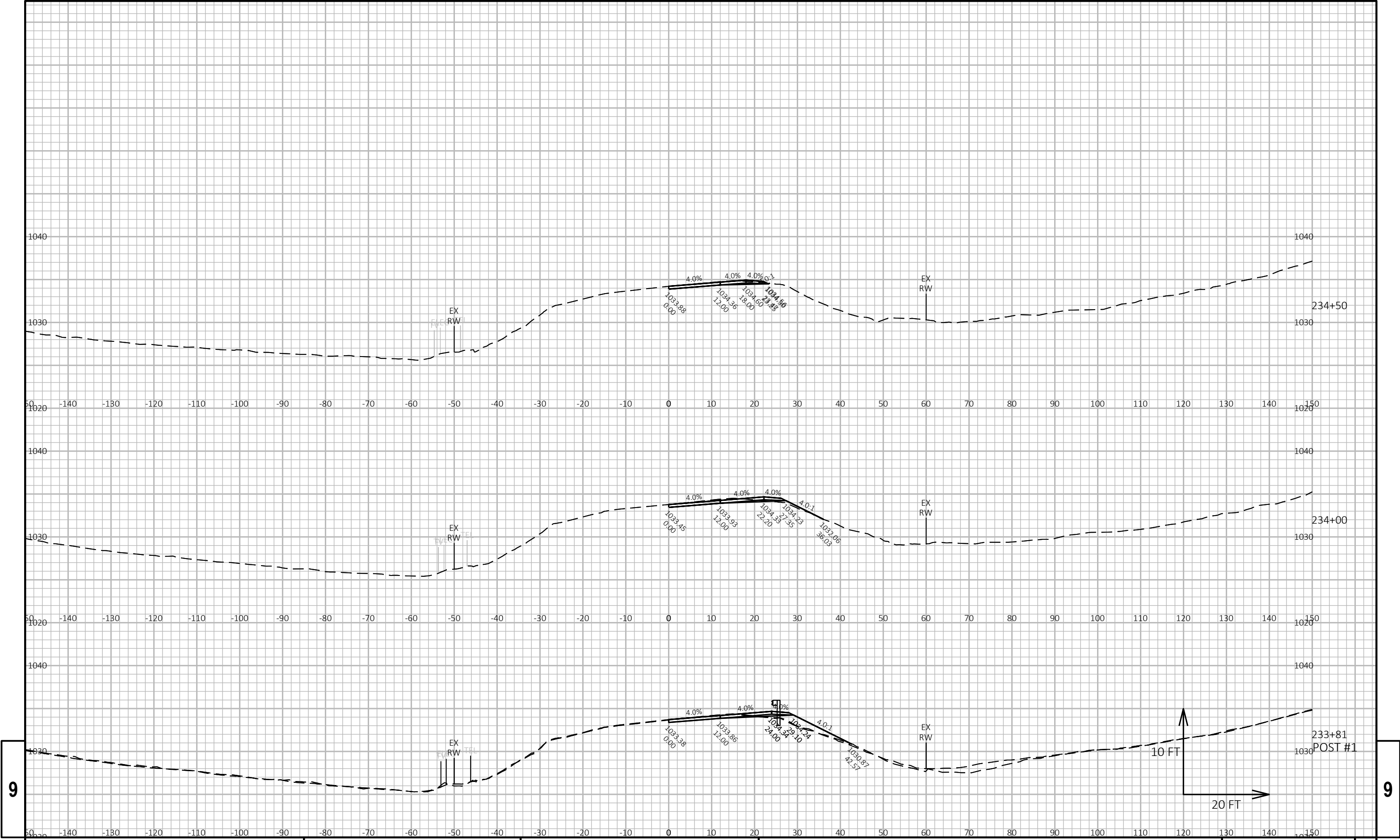






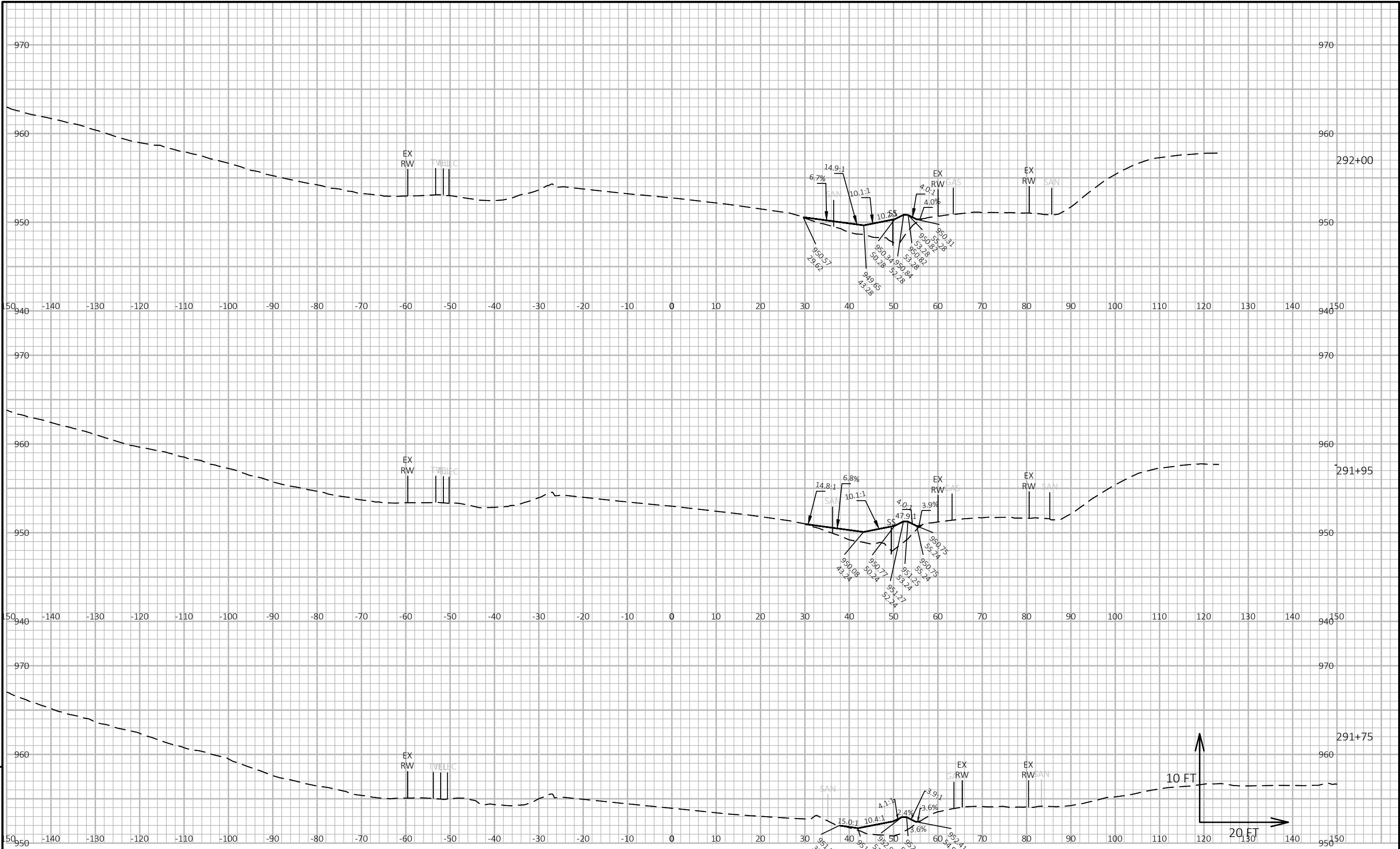






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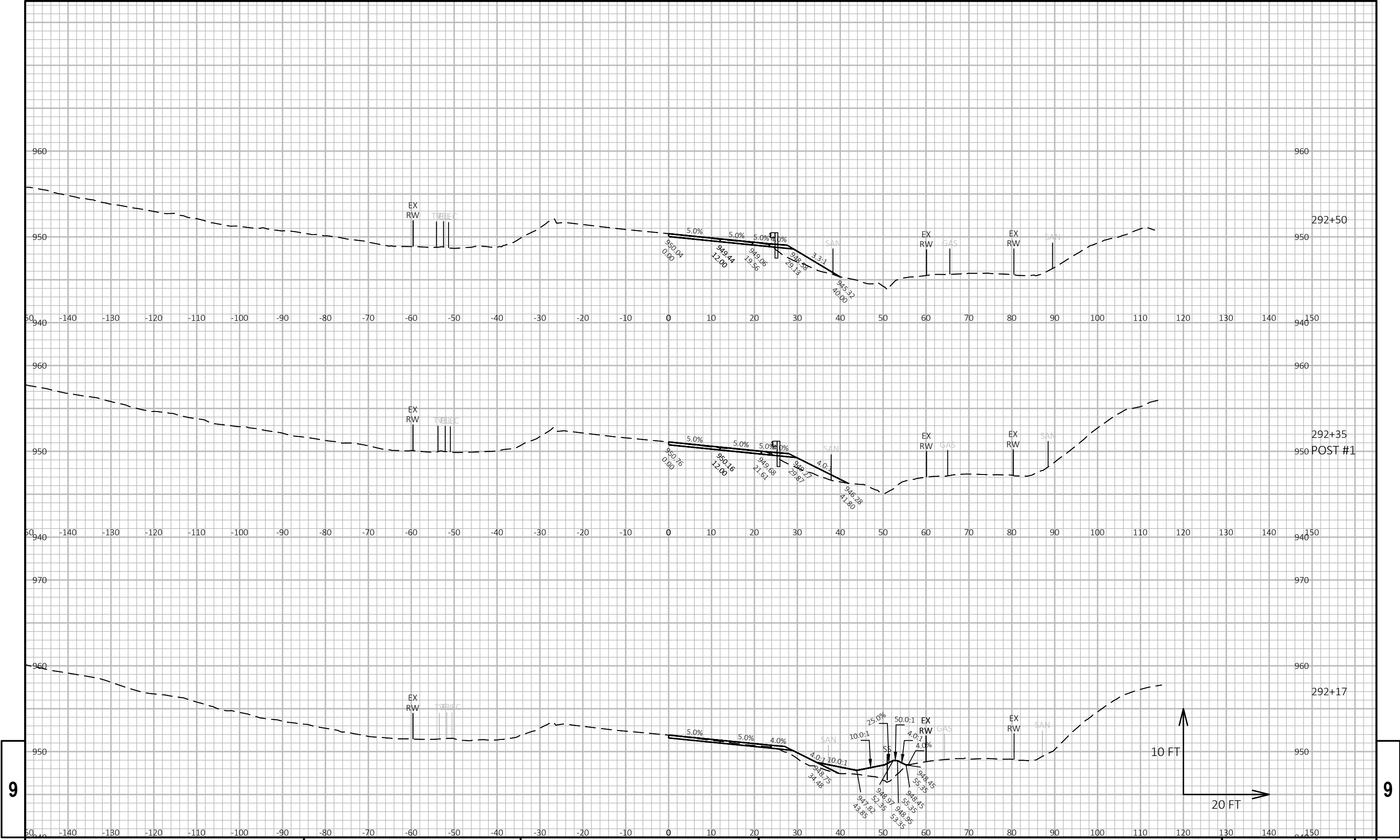
9



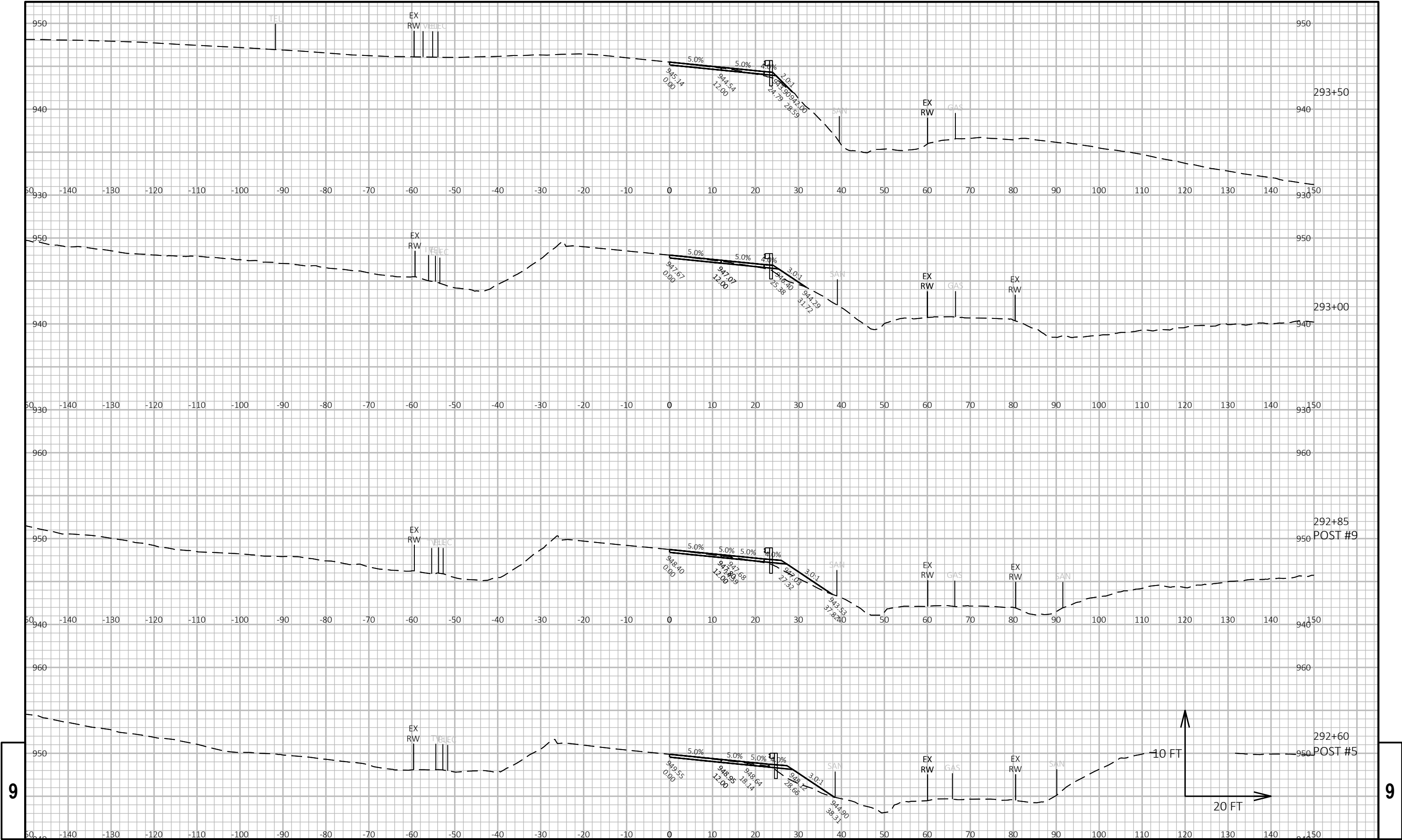
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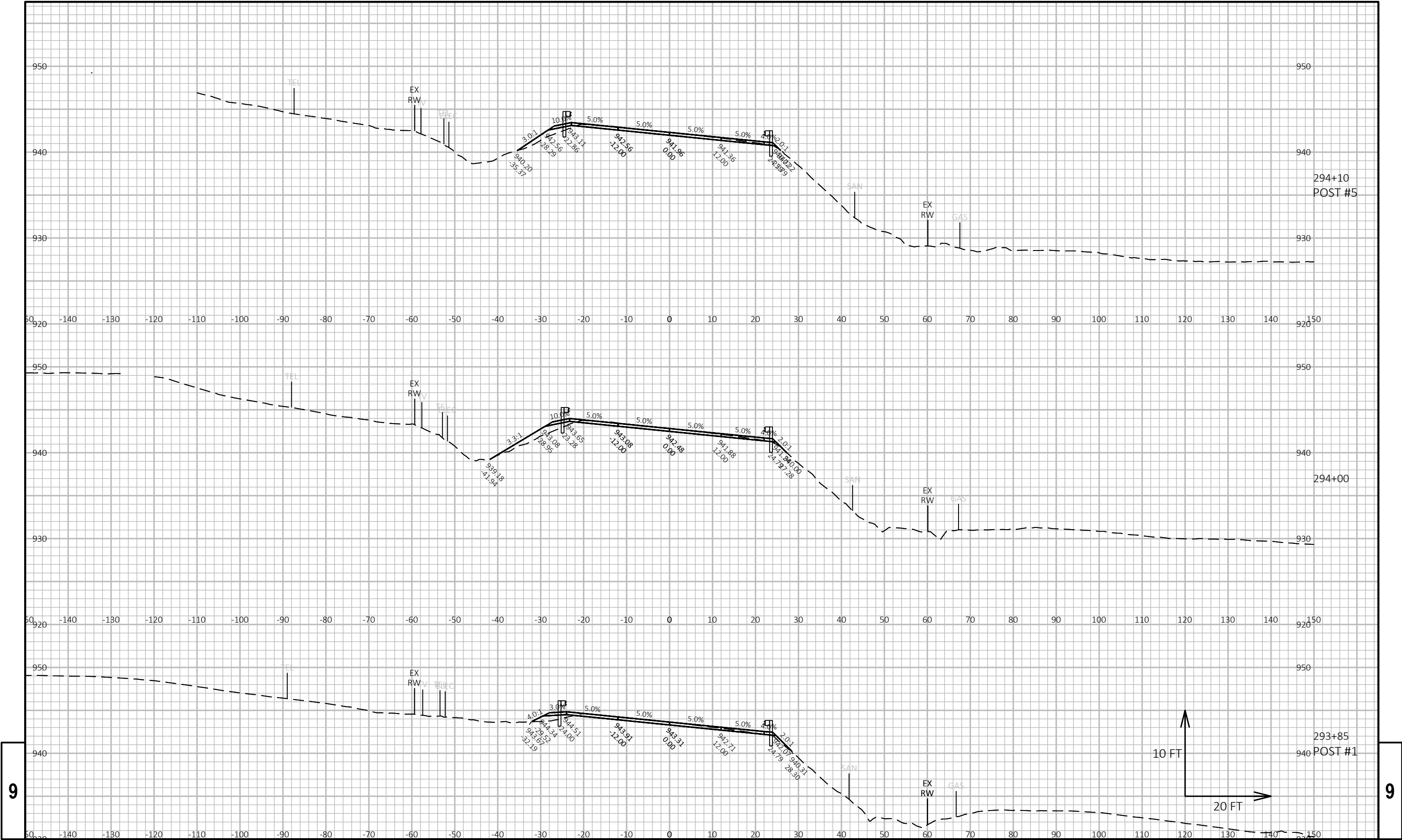
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|------------------------|-------------|------------------|------------------------|---------|
| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | CROSS SECTIONS: USH 18 | SHEET E |
|------------------------|-------------|------------------|------------------------|---------|



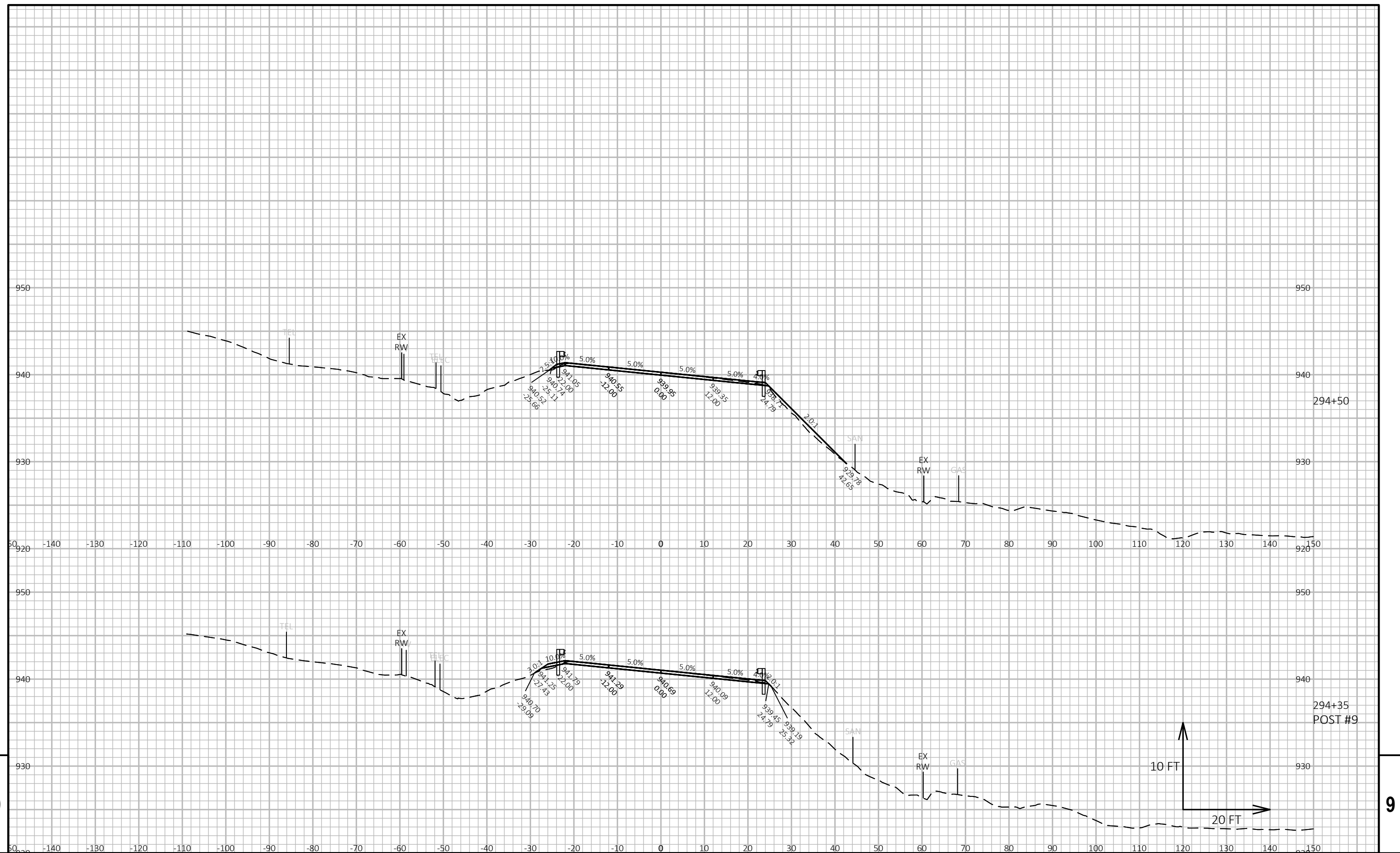
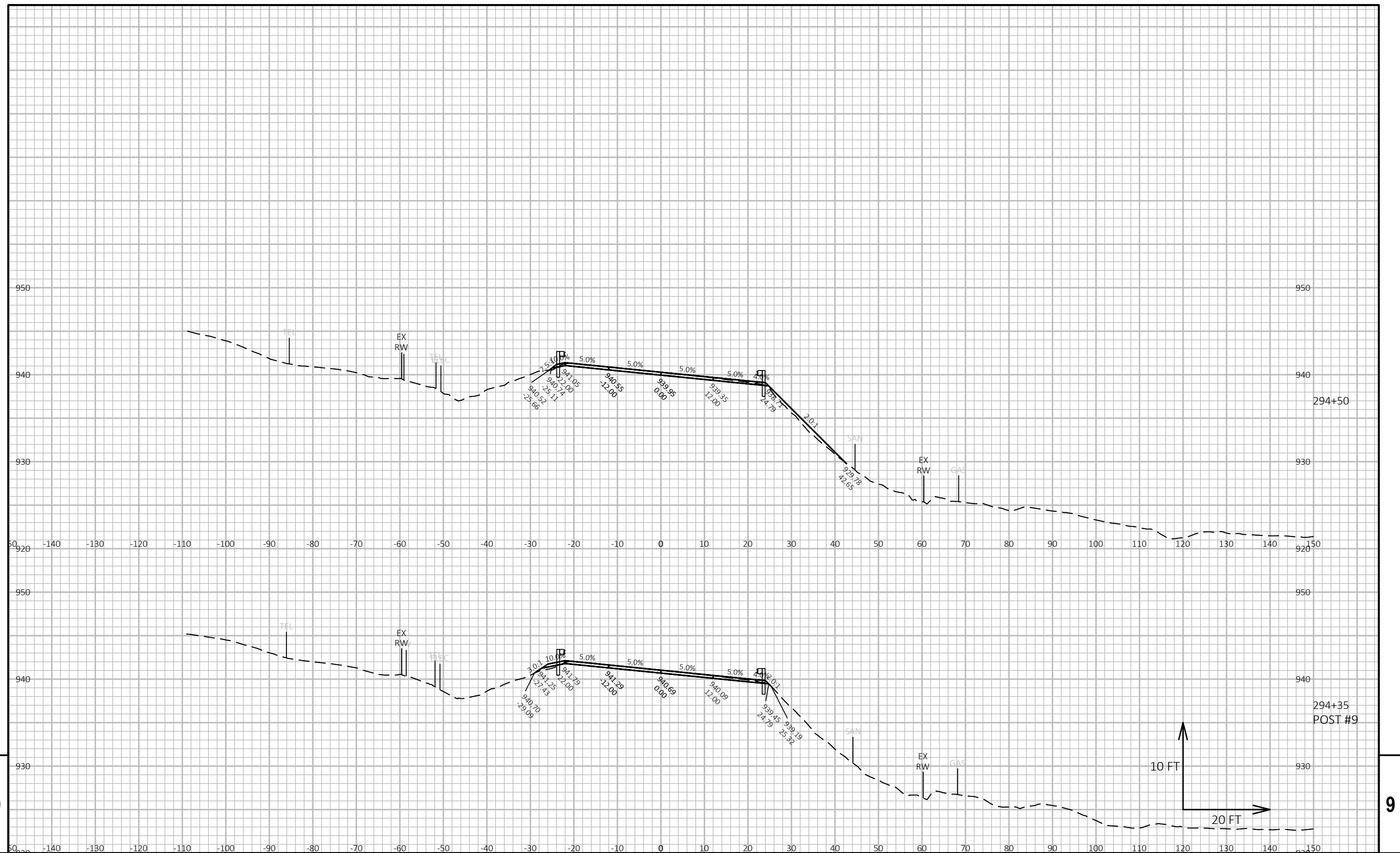
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| PROJECT NO: 2210-12-70 |  | HWY: USH 18 |  | COUNTY: WAUKESHA |  | CROSS SECTIONS: USH 18 |  | SHEET |  | E |
|------------------------|--|-------------|--|------------------|--|------------------------|--|-------|--|---|



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| 9                      |  |  |  | 9                      |  |  |  |
| PROJECT NO: 2210-12-70 |  |  |  | HWY: USH 18            |  |  |  |
| COUNTY: WAUKESHA       |  |  |  | CROSS SECTIONS: USH 18 |  |  |  |
| SHEET                  |  |  |  | E                      |  |  |  |







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| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | CROSS SECTIONS: USH 18 | SHEET | E |
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| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | CROSS SECTIONS: USH 18 | SHEET | E |
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| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | CROSS SECTIONS: USH 18 | SHEET | E |
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| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | CROSS SECTIONS: USH 18 | SHEET | E |
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| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | CROSS SECTIONS: USH 18 | SHEET | E |
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| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | CROSS SECTIONS: USH 18 | SHEET | E |
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|---------------|---------------------------------------------|-------------|--------------------|-----------|---------------|-------------|--|--------------|-------------------------------------|----------------------|
| FILE NAME :   | N:\PDS\C3D\22101200\SHEETPLAN\090204_XS.DWG | PLOT DATE : | 1/25/2023 12:14 PM | PLOT BY : | MOUNT, JOSHUA | PLOT NAME : |  | PLOT SCALE : | 1 IN:20 FT HORZ. / 1 IN:10 FT VERT. |                      |
| LAYOUT NAME : | 090204-05                                   |             |                    |           |               |             |  |              |                                     | WISDOT/CADD SHEET 49 |

|               |                                              |             |                    |           |               |             |  |              |                                     |                      |
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| FILE NAME :   | N:\PDS\C3D\22101200\SHEETSPLAN\090204_XS.DWG | PLOT DATE : | 1/25/2023 12:14 PM | PLOT BY : | MOUNT, JOSHUA | PLOT NAME : |  | PLOT SCALE : | 1 IN:20 FT HORZ. / 1 IN:10 FT VERT. |                      |
| LAYOUT NAME : | 090204-05                                    |             |                    |           |               |             |  |              |                                     | WISDOT/CADD SHEET 49 |

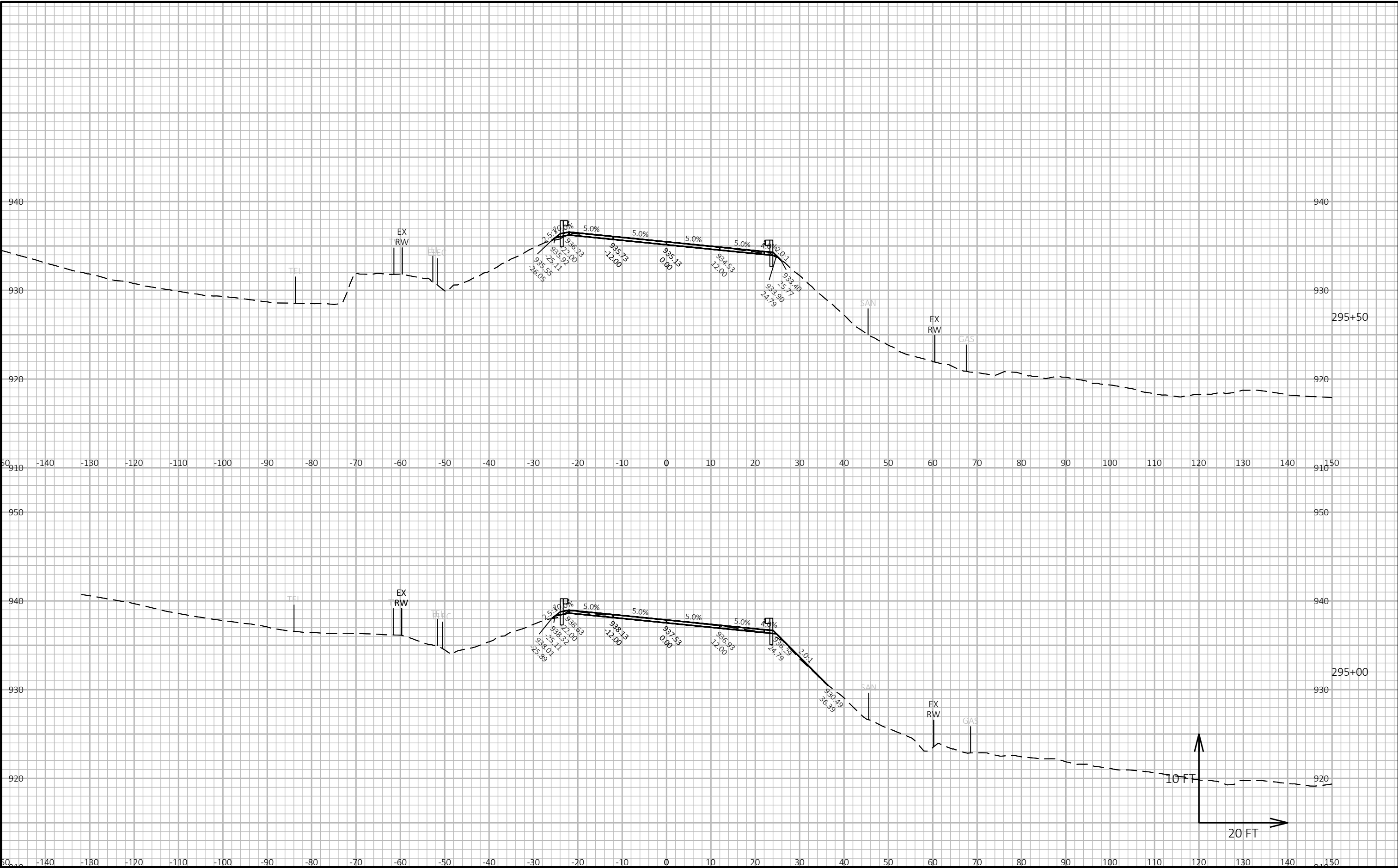
|               |                                             |             |                    |           |               |             |  |              |                                     |                      |
|---------------|---------------------------------------------|-------------|--------------------|-----------|---------------|-------------|--|--------------|-------------------------------------|----------------------|
| FILE NAME :   | N:\PDS\C3D\22101200\SHEETPLAN\090204_XS.DWG | PLOT DATE : | 1/25/2023 12:14 PM | PLOT BY : | MOUNT, JOSHUA | PLOT NAME : |  | PLOT SCALE : | 1 IN:20 FT HORZ. / 1 IN:10 FT VERT. |                      |
| LAYOUT NAME : | 090204-05                                   |             |                    |           |               |             |  |              |                                     | WISDOT/CADD SHEET 49 |

|               |                                             |             |                    |           |               |             |  |              |                                     |                      |
|---------------|---------------------------------------------|-------------|--------------------|-----------|---------------|-------------|--|--------------|-------------------------------------|----------------------|
| FILE NAME :   | N:\PDS\C3D\22101200\SHEETPLAN\090204_XS.DWG | PLOT DATE : | 1/25/2023 12:14 PM | PLOT BY : | MOUNT, JOSHUA | PLOT NAME : |  | PLOT SCALE : | 1 IN:20 FT HORZ. / 1 IN:10 FT VERT. |                      |
| LAYOUT NAME : | 090204-05                                   |             |                    |           |               |             |  |              |                                     | WISDOT/CADD SHEET 49 |

|               |                                             |             |                    |           |               |             |  |              |                                     |                       |
|---------------|---------------------------------------------|-------------|--------------------|-----------|---------------|-------------|--|--------------|-------------------------------------|-----------------------|
| FILE NAME :   | N:\PDS\C3D\22101200\SHEETPLAN\090204_XS.DWG | PLOT DATE : | 1/25/2023 12:14 PM | PLOT BY : | MOUNT, JOSHUA | PLOT NAME : |  | PLOT SCALE : | 1 IN:20 FT HORZ. / 1 IN:10 FT VERT. |                       |
| LAYOUT NAME : | 090204-05                                   |             |                    |           |               |             |  |              |                                     | WISDOT/CADDS SHEET 49 |

|               |                                             |             |                    |           |               |             |  |              |                                     |                      |
|---------------|---------------------------------------------|-------------|--------------------|-----------|---------------|-------------|--|--------------|-------------------------------------|----------------------|
| FILE NAME :   | N:\PDS\C3D\22101200\SHEETPLAN\090204_XS.DWG | PLOT DATE : | 1/25/2023 12:14 PM | PLOT BY : | MOUNT, JOSHUA | PLOT NAME : |  | PLOT SCALE : | 1 IN:20 FT HORZ. / 1 IN:10 FT VERT. |                      |
| LAYOUT NAME : | 090204-05                                   |             |                    |           |               |             |  |              |                                     | WISDOT/CADD SHEET 49 |

|               |                                             |             |                    |           |               |             |  |              |                                     |                      |
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| FILE NAME :   | N:\PDS\C3D\22101200\SHEETPLAN\090204_XS.DWG | PLOT DATE : | 1/25/2023 12:14 PM | PLOT BY : | MOUNT, JOSHUA | PLOT NAME : |  | PLOT SCALE : | 1 IN:20 FT HORZ. / 1 IN:10 FT VERT. |                      |
| LAYOUT NAME : | 090204-05                                   |             |                    |           |               |             |  |              |                                     | WISDOT/CADD SHEET 49 |

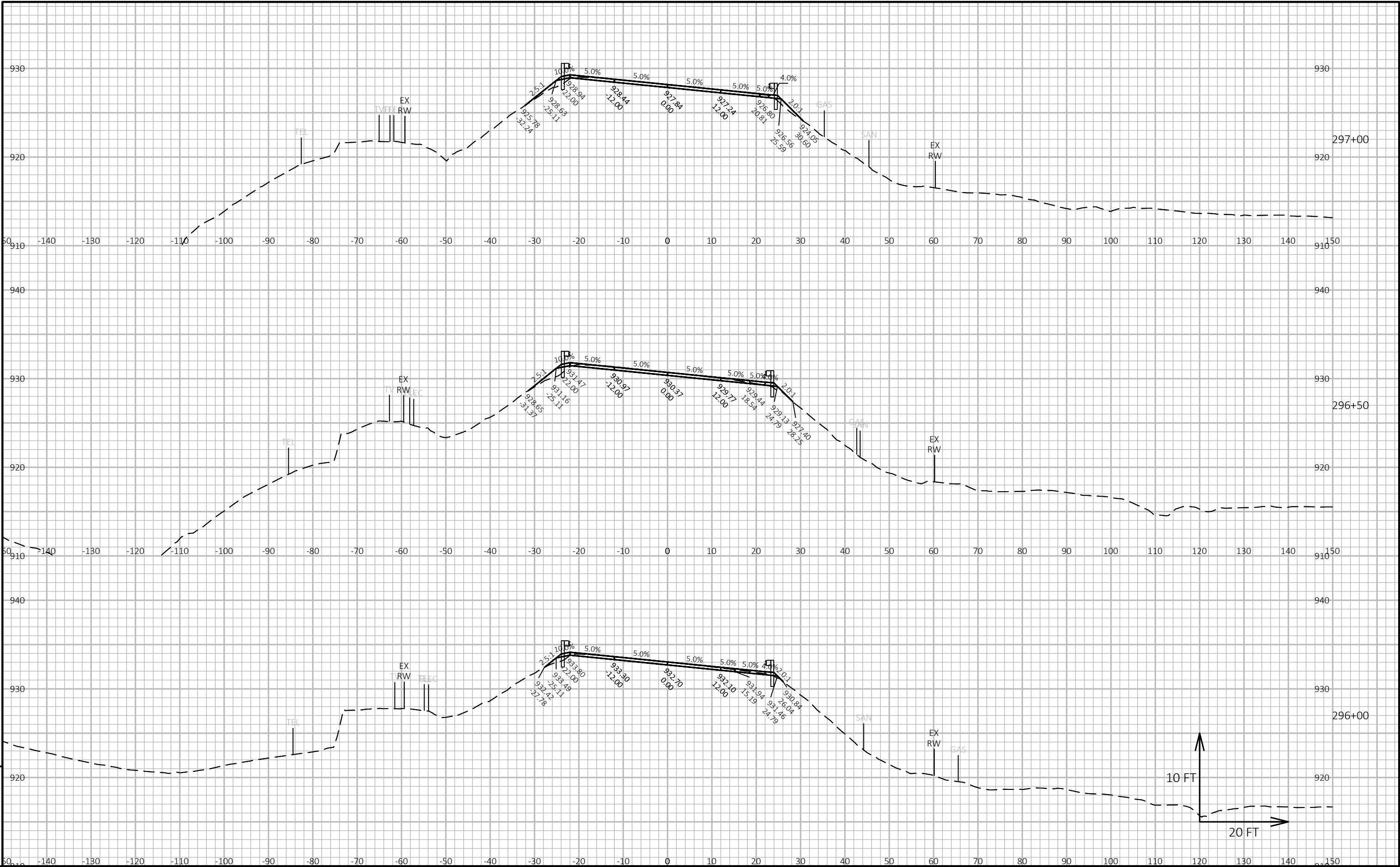


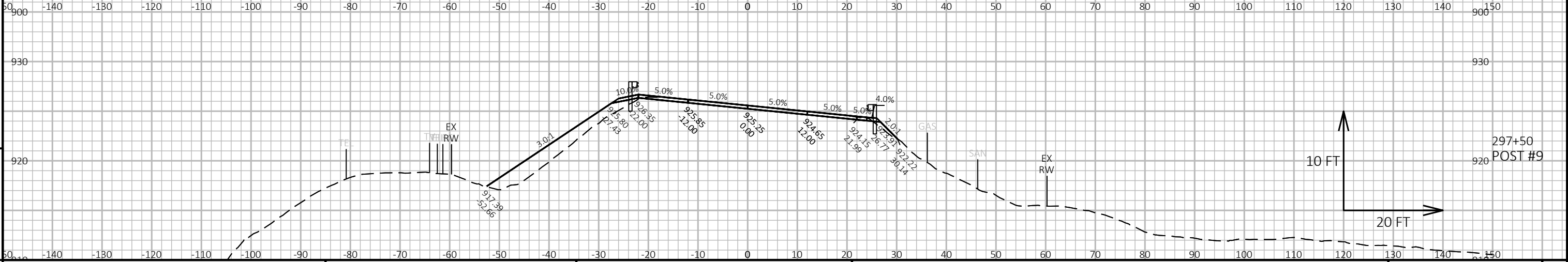
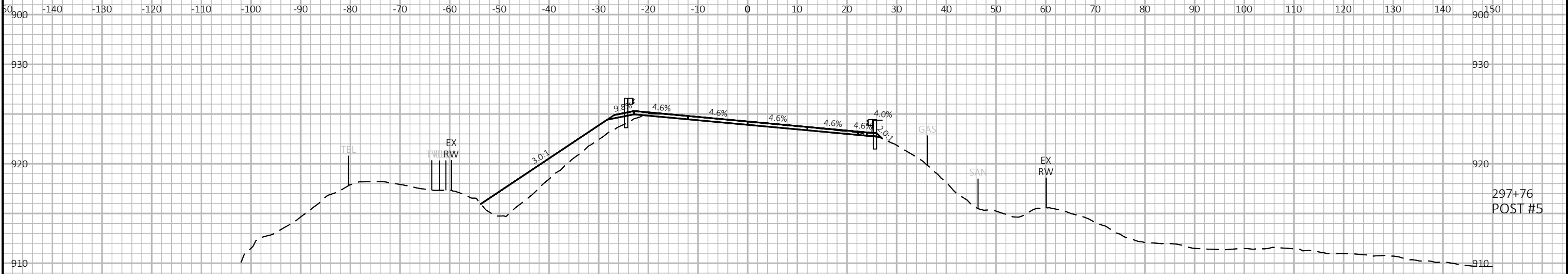
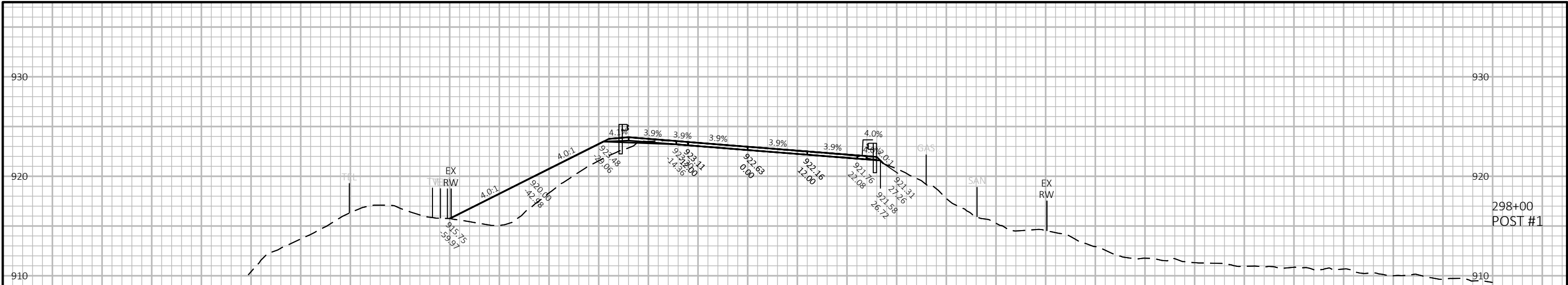
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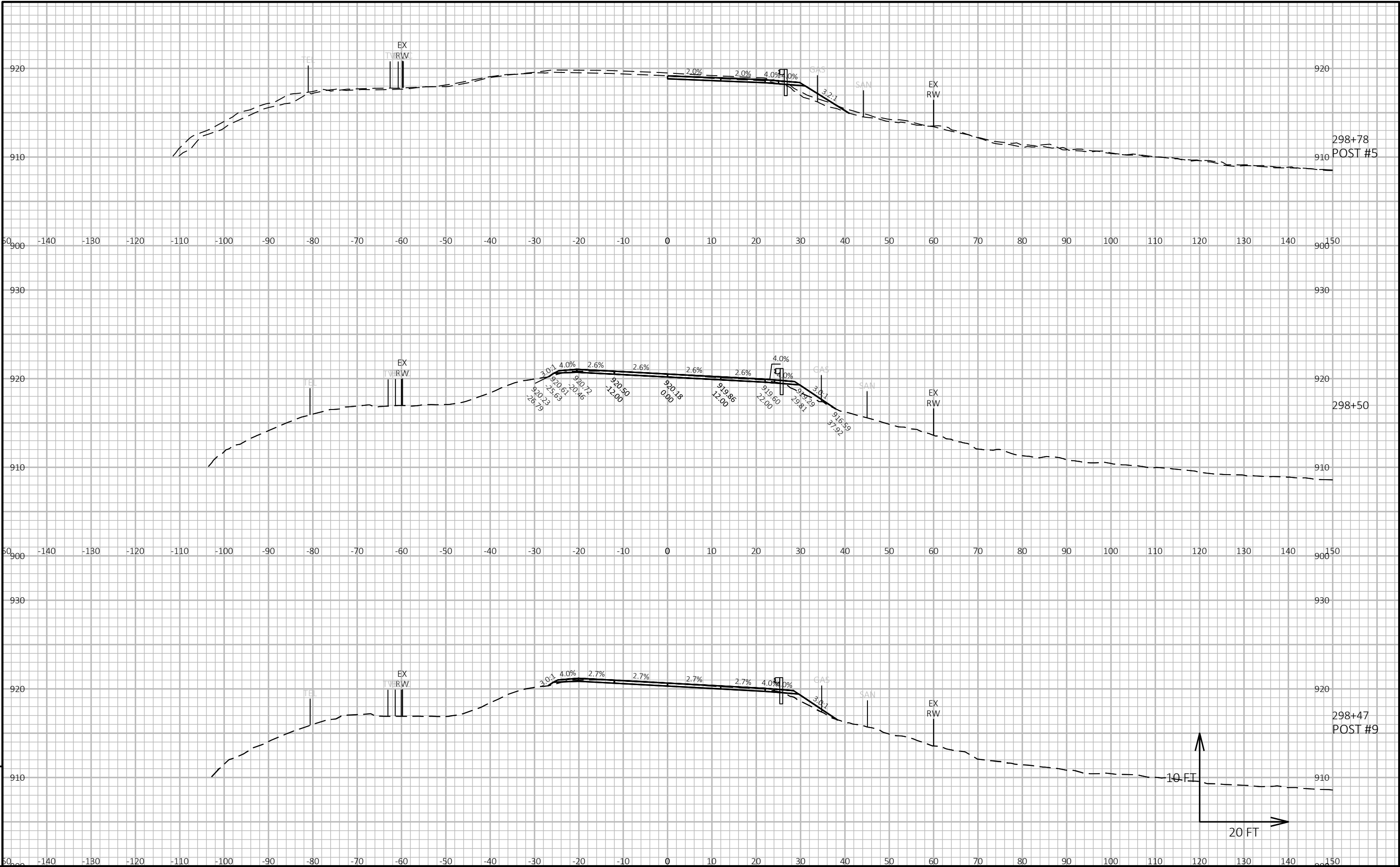
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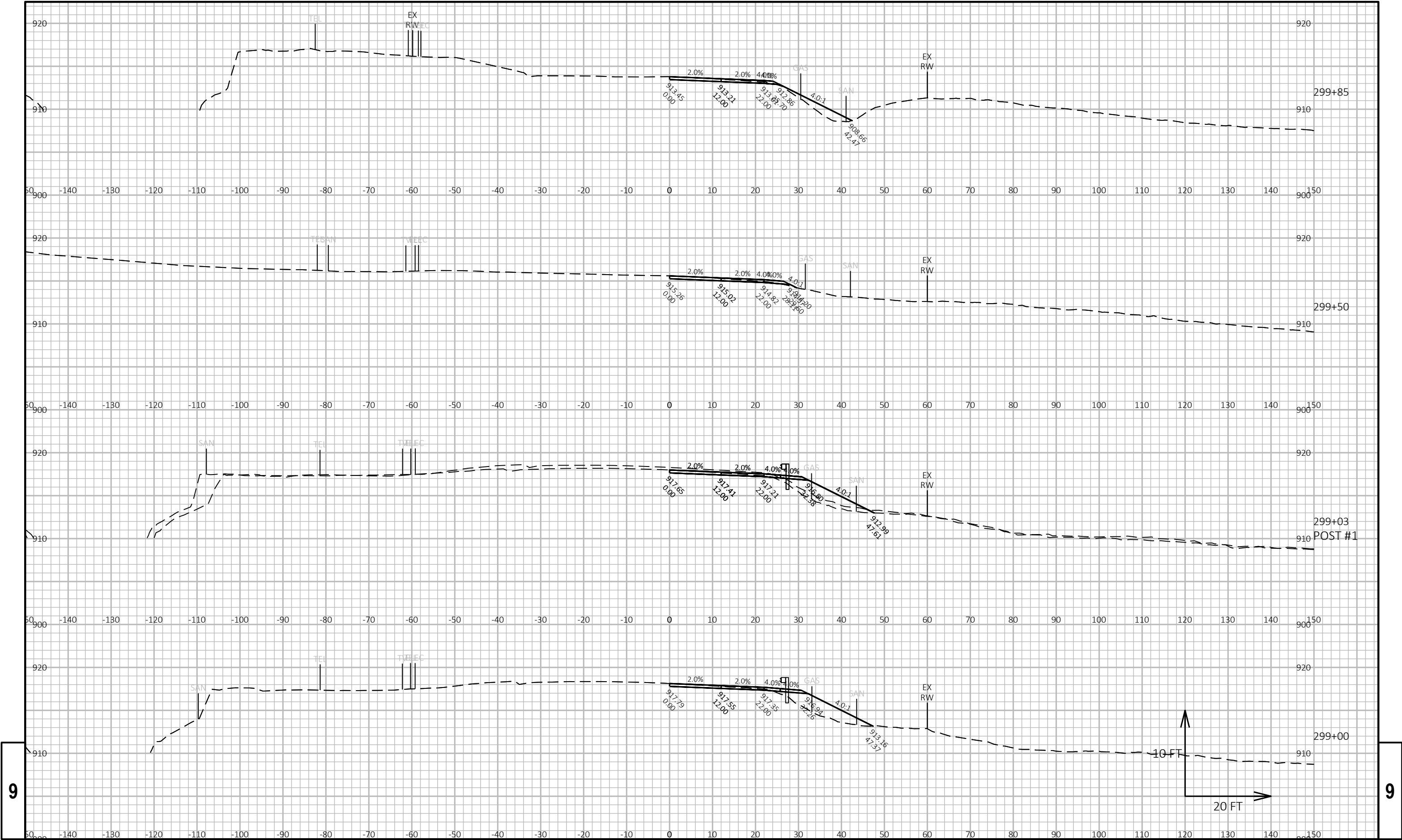
|                        |             |                  |                        |         |
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| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | CROSS SECTIONS: USH 18 | SHEET E |
|------------------------|-------------|------------------|------------------------|---------|

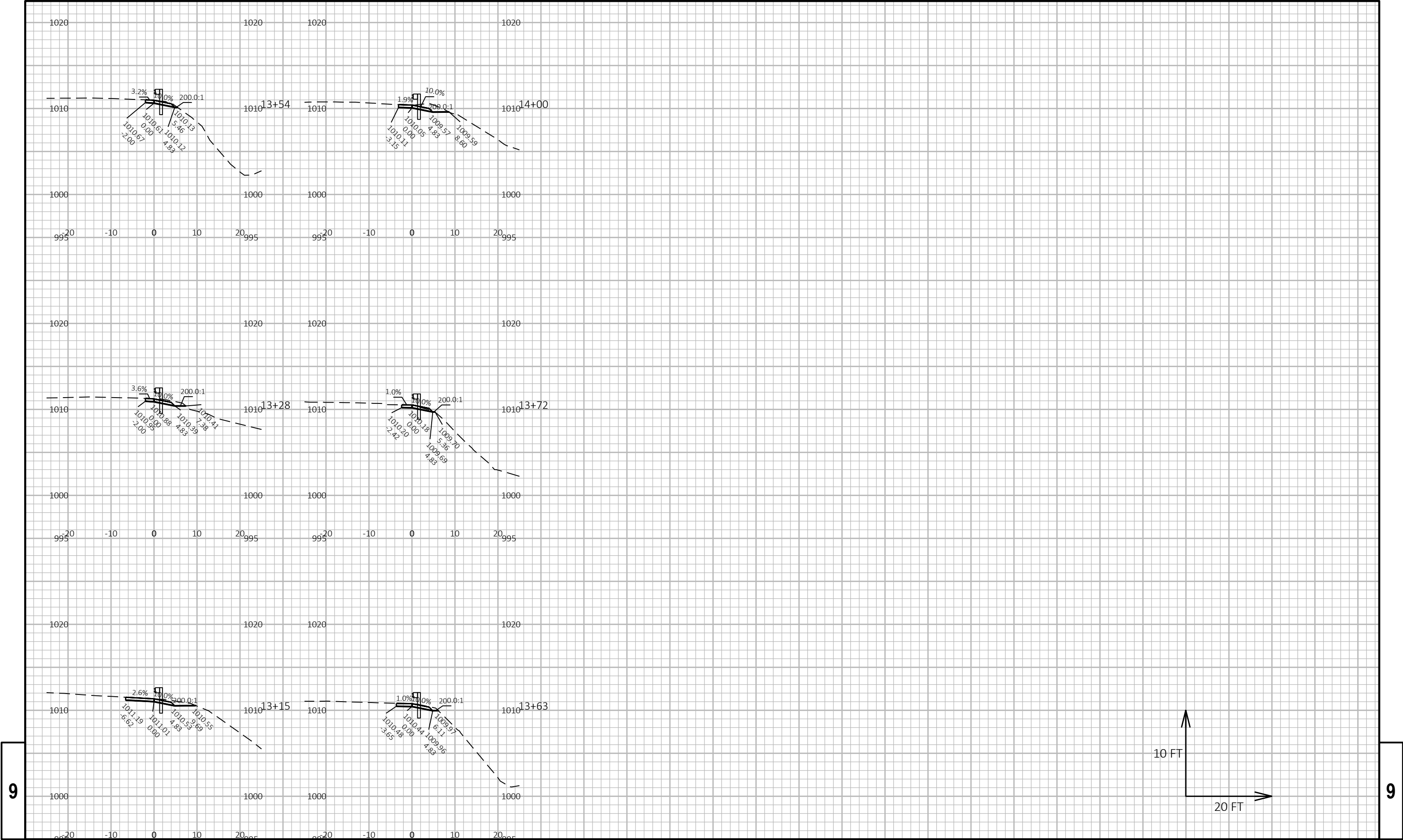












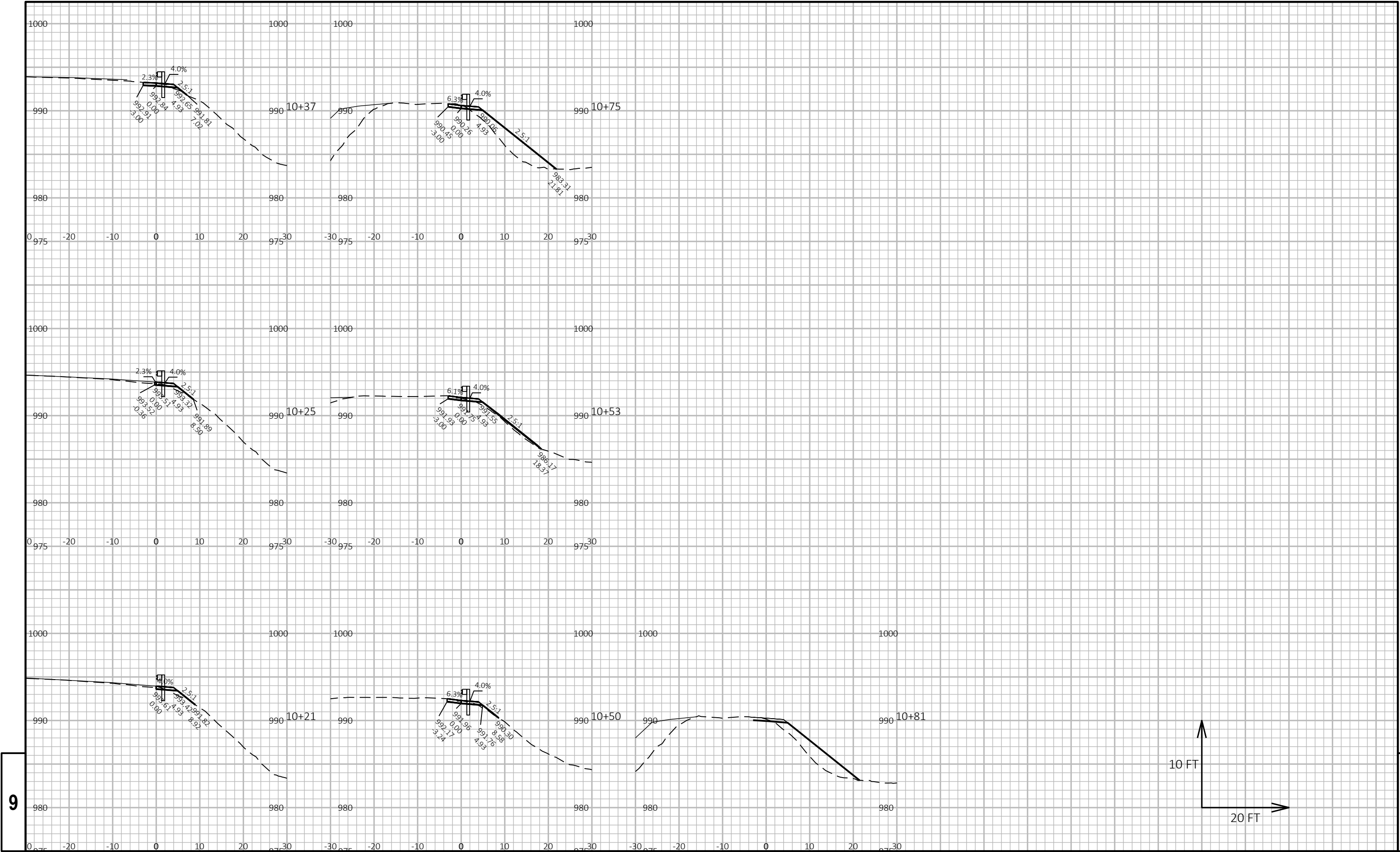
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| PROJECT NO: 2210-12-70 | HWY: USH 18 | COUNTY: WAUKESHA | CROSS SECTIONS: STA 162+50 DRIVEWAY | SHEET E |
|------------------------|-------------|------------------|-------------------------------------|---------|

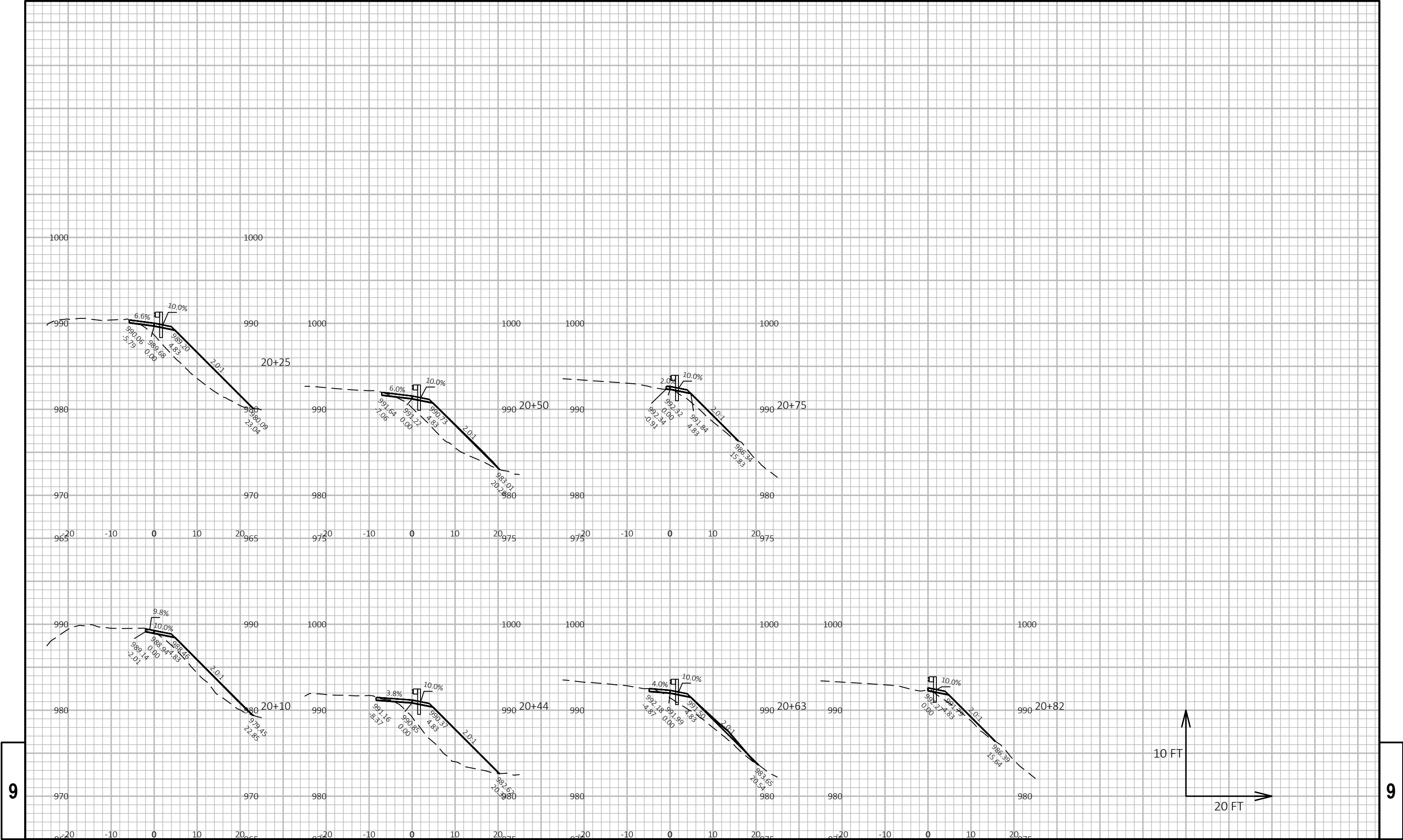






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