

CITY OF GRANDVIEW

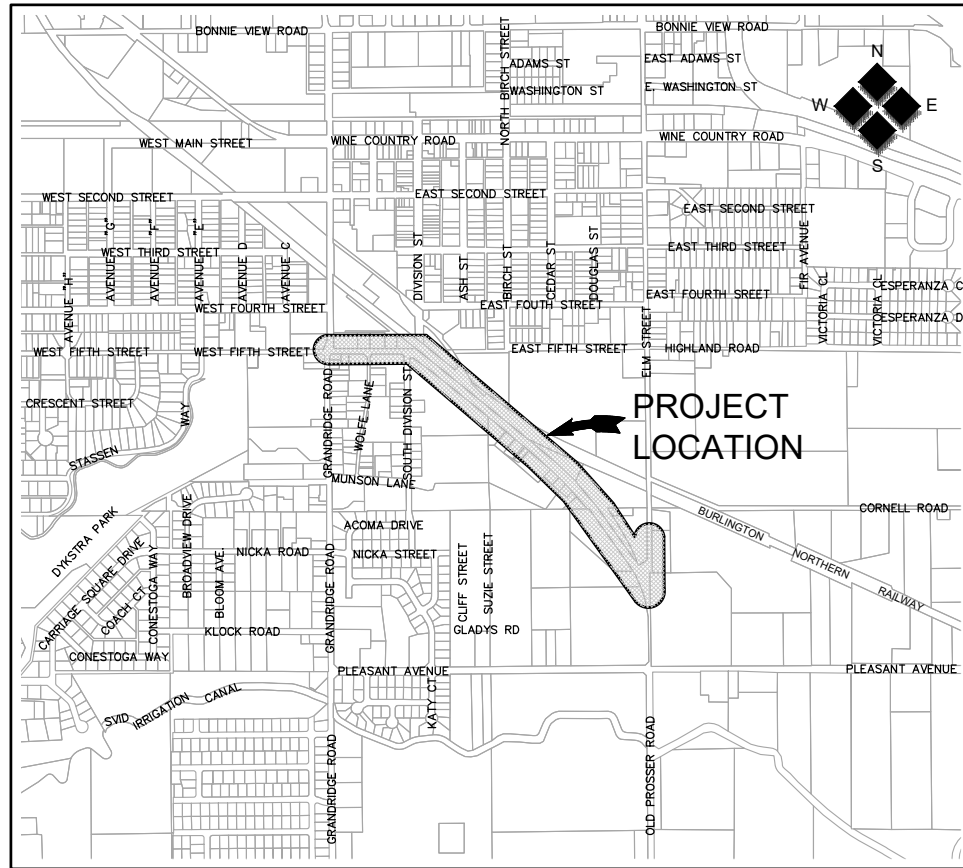
YAKIMA COUNTY

WASHINGTON

OLD INLAND EMPIRE HIGHWAY IMPROVEMENTS

FEDERAL AID NO. STPUS 8052-(003)
HLA PROJECT NO. 13134


MARCH 2023



VICINITY MAP
NOT TO SCALE

SHEET INDEX

| | |
|--------------|---|
| SHEET 1 | COVER SHEET |
| SHEET 2 | LEGEND AND GENERAL NOTES |
| SHEETS 3-5 | TYPICAL ROADWAY SECTIONS |
| SHEETS 6-7 | TEMPORARY EROSION AND SEDIMENT CONTROL PLAN |
| SHEETS 8-14 | DEMOLITION PLAN |
| SHEETS 15-26 | PLAN AND PROFILE SHEETS |
| SHEETS 27-28 | SIGNING, STRIPING, AND MAILBOX PLAN |
| SHEET 29 | CLASS "A" SIGNING PLAN |
| SHEETS 30-32 | TRAFFIC CONTROL PLANS |
| SHEET 33 | ILLUMINATION PLAN |
| SHEETS 34-35 | DRAINAGE STRUCTURE NOTES AND DETAILS |
| SHEETS 36-37 | PROJECT DETAILS |

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| FEDERAL AID NO. STPUS 8052-(003) | | JOB NUMBER: 13134 | DATE: 03-22-23 |
| | | FILE NAMES: DRAWING: Sheets-ROAD | |
| | | PLAN: 13134 | |
| REVISION | | DESIGNED BY: MDU | |
| | | ENTERED BY: MEM/OCK | |

CITY OF GRANDVIEW
OLD INLAND EMPIRE
HIGHWAY IMPROVEMENTS

COVER SHEET

SHEET
1
OF
37

LEGEND

| | | |
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| <p>—— X —— X —— EXISTING FENCE</p> <p>—— W —— W —— EXISTING WATER</p> <p>—— SS —— SS —— EXISTING SEWER</p> <p>—— D —— D —— EXISTING STORM DRAINAGE</p> <p>—— G —— G —— EXISTING NATURAL GAS</p> <p>— CULV — CULV — EXISTING CULVERT</p> <p>— OHP — OHP — EXISTING OVERHEAD POWER</p> <p>— OHT — OHT — EXISTING OVERHEAD TELEPHONE</p> <p>— UP — UP — EXISTING UNDERGROUND POWER</p> <p>— T —— T —— EXISTING TELEPHONE</p> <p>— FO —— FO —— EXISTING FIBER OPTIC</p> <p>— CATV — CATV — EXISTING CABLE TV</p> <p>— E —— E —— EXISTING ELECTRICAL</p> <p>— BW —— BW —— EXISTING BLACK WATER</p> <p>— CL —— CL —— EXISTING CHLORINE</p> <p>— DS —— DS —— EXISTING DIGESTED SLUDGE</p> <p>— EFF —— EFF —— EXISTING EFFLUENT</p> <p>— IRR —— IRR —— EXISTING IRRIGATION</p> <p>— FM —— FM —— EXISTING FORCE MAIN</p> <p>— GW —— GW —— EXISTING GRAY WATER</p> <p>— HW —— HW —— EXISTING HOT WATER SUPPLY</p> <p>— IW —— IW —— EXISTING INDUSTRIAL WASTE</p> <p>— INF —— INF —— EXISTING INFLUENT</p> <p>— GUY —— GUY —— EXISTING GUY LINE</p> <p>— RS —— RS —— EXISTING RAW SEWER</p> <p>— SL —— SL —— EXISTING SLUDGE</p> <p>— TBW —— TBW —— EXISTING TREATED BLACK WATER</p> <p>— TR —— TR —— EXISTING TREATED WATER</p> <p>— UD —— UD —— EXISTING UNDER DRAIN</p> <p>— VENT —— VENT —— EXISTING VENT</p> <p>— WAS —— WAS —— EXISTING WASTE ACTIVATED SLUDGE</p> <p>————— EXISTING RAILROAD</p> <p>—— SB —— SB —— EXISTING SEDIMENT FENCE</p> <p> EXISTING DECIDUOUS TREE</p> <p> EXISTING EVERGREEN TREE</p> <p> EXISTING SHRUB</p> <p> EXISTING STUMP</p> <p> ASPHALT AREAS</p> <p> CONCRETE AREAS</p> | <p>● EXISTING MONUMENT FOUND</p> <p>● EXISTING PROPERTY CORNER FOUND</p> <p>○ 5/8" REBAR WITH CAP #33132 SET</p> <p>⊗ EXISTING WATERMAIN BLOWOFF</p> <p>⊕ EXISTING IRRIGATION VALVE</p> <p>⊖ EXISTING FIRE HYDRANT</p> <p>⊙ EXISTING PIV</p> <p>⊘ EXISTING FDC</p> <p>⊙ EXISTING WATER VALVE</p> <p>⊗ EXISTING WATER METER</p> <p>⊙ EXISTING WATER MANHOLE</p> <p>⊙ EXISTING SANITARY SEWER MANHOLE</p> <p>⊙ EXISTING CLEANOUT</p> <p>⊙ EXISTING STORM DRAIN DRYWELL</p> <p>⊙ EXISTING CATCH BASIN</p> <p>⊙ EXISTING STORM DRAIN MANHOLE</p> <p>⊙ EXISTING TELEPHONE MANHOLE</p> <p>⊙ EXISTING POWER MANHOLE</p> <p>⊙ EXISTING IRRIGATION MANHOLE</p> <p>⊙ EXISTING GAS METER</p> <p>⊙ EXISTING GAS VALVE</p> <p>⊙ EXISTING SIGN</p> <p>⊙ EXISTING MARKER SIGN</p> <p>⊙ EXISTING ANCHOR POLE</p> <p>⊙ EXISTING PULL BOX</p> <p>⊙ EXISTING TELEPHONE PED</p> <p>⊙ EXISTING UTILITY POLE</p> <p>⊙ EXISTING LIGHT</p> <p>⊙ EXISTING PEDESTRIAN/YARD LIGHT</p> <p>⊙ EXISTING TRAFFIC SIGNAL</p> <p>⊙ EXISTING PUSH BUTTON SIGNAL</p> <p>⊙ EXISTING WOOD POST</p> <p>⊙ EXISTING STEEL POST</p> <p>⊙ EXISTING HOSE BIB</p> <p>⊙ EXISTING SPRINKLER</p> <p>⊙ EXISTING STAND PIPE</p> <p>⊙ EXISTING WELL</p> <p>⊙ EXISTING MAIL BOX</p> <p>⊙ EXISTING FLAG POLE</p> <p>⊙ EXISTING WIND MACHINE</p> | <p> NEW HMA</p> <p> NEW CEMENT CONCRETE SIDEWALK</p> <p> NEW PEDESTRIAN CURB RAMP</p> <p>——— NEW CURB AND GUTTER</p> <p>- - - - - NEW SEWER LINE</p> <p>- - - - - NEW WATER LINE</p> <p>- - - - - NEW STORM DRAIN LINE</p> <p>- - - - - NEW ELECTRICAL LINE</p> <p>— · — · — NEW GAS LINE</p> <p>— X — X — NEW AND/OR RELOCATED CHAIN LINK FENCE</p> <p>- - - - - NEW SAWCUT LINE</p> <p>● NEW MONUMENT</p> <p>⊙ NEW MANHOLE/CATCH BASIN TYPE 2</p> <p>⊙ NEW CATCH BASIN TYPE 1</p> <p>⊙ NEW DRYWELL</p> <p>● NEW SEWER CLEANOUT</p> <p>□ NEW JUNCTION BOX</p> <p>□ NEW SERVICE BOX</p> <p>★ NEW STREET LIGHT</p> <p>★ NEW PEDESTRIAN LIGHT</p> <p>□ NEW UTILITY POLE</p> <p>□ NEW FIRE HYDRANT</p> <p>□ NEW FIRE DEPARTMENT CONNECTION</p> <p>□ NEW WATER VALVE</p> <p>□ NEW BLOW OFF VALVE</p> <p>□ NEW REDUCER</p> <p>□ NEW THRUST BLOCK</p> <p>□ NEW WATER METER</p> <p>□ NEW GAS METER</p> <p>□ NEW BOLLARD</p> <p>□ NEW MAILBOX</p> <p>□ NEW SIGN</p> <p>▲ NEW RADIUS POINT</p> <p>— ELEVATION AT TOP BACK OF CURB</p> <p>— ELEVATION AT FLOWLINE OR SURFACE</p> |
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GENERAL SITE NOTES:

- THE CONTRACTOR IS ADVISED THAT THE LOCATION AND OR ELEVATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE BASED UPON UTILITY INFORMATION OF RECORD AND UTILITY COMPANY MARKINGS IN THE FIELD. ALL UTILITIES TO BE RELOCATED WILL BE RELOCATED BY OTHERS UNLESS OTHERWISE NOTED.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY PERTINENT LOCATIONS AND ELEVATIONS OF UTILITY CONNECTION POINTS AND UTILITY CROSSINGS. FIELD VERIFY DEPTHS OF UTILITIES BY POT-HOLING PRIOR TO BEGINNING ANY NEW CONSTRUCTION TO ALLOW FOR ADJUSTMENT IN GRADE OR ALIGNMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR POT-HOLING OR ADJUSTMENT OF PIPE GRADES. NOTIFY THE ENGINEER IF CONDITIONS ARE OTHER THAN DEPICTED.
- THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE. NO BURNING WILL BE ALLOWED. THE CONTRACTOR SHALL BE REQUIRED TO SECURE AND OPERATE HIS OWN WASTE DISPOSAL SITE AT HIS OWN EXPENSE FOR THE DISPOSAL OF ALL UNSUITABLE MATERIAL, ASPHALT, CONCRETE, DEBRIS, WASTE MATERIAL, AND ANY OTHER OBJECTIONABLE MATERIAL WHICH IS DIRECTED TO WASTE. THE CONTRACTOR SHALL COMPLY WITH THE STATE OF WASHINGTON REGULATIONS REGARDING DISPOSAL OF WASTE MATERIAL AS OUTLINED IN WAC 173-304, SUBCHAPTER 461.
- AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING ON-SITE EROSION DUE TO WIND AND RUNOFF.
- THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE CONTRACTING AGENCY AND ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
- CROSS SLOPE ON ALL SIDEWALKS SHALL BE 1.5% UNLESS OTHERWISE NOTED.
- NEW ASPHALT DRIVEWAYS SHALL BE 0.17' THICK (COMPACTED DEPTH) AND SHALL BE PAID FOR AS "HMA CL 1/2-INCH PG 64-28", PER TON.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE REGULATIONS OF THE YAKIMA COUNTY CLEAN AIR AUTHORITY. A METHOD OF DUST CONTROL DURING CONSTRUCTION SHALL BE SUBMITTED TO AND APPROVED BY THE YAKIMA COUNTY CLEAN AIR AUTHORITY. A WRITTEN COPY OF THEIR APPROVAL SHALL BE PROVIDED TO THE DEVELOPER. THE CONTRACTOR SHALL DESIGNATE A PROJECT COORDINATOR FOR CONTACT DURING CONSTRUCTION REGARDING ALLEGED AIR QUALITY VIOLATIONS AND OTHER COMPLAINTS.

GENERAL PROJECT NOTES:

- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) AND WASHINGTON STATE CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA) AND THE SPECIAL PROVISIONS OF THE CITY OF UNION GAP. ALL WORK WITHIN PUBLIC RIGHT-OF-WAY OR EASEMENTS SHALL BE INSPECTED AND APPROVED BY THE CITY OF UNION GAP.
- EXCAVATION OF MATERIAL OF WHATEVER NATURE ENCOUNTERED AND DEWATERING FOR ALL UNDERGROUND ITEMS SHALL BE INCIDENTAL TO AND INCLUDED IN THE BID ITEMS. NO SEPARATE PAYMENT FOR ROCK EXCAVATION OR DEWATERING SHALL BE MADE.
- THE CONTRACTOR MUST CALL THE LOCAL UTILITY COORDINATING COUNCIL AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST FIELD LOCATIONS OF UTILITIES. LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON FIELD LOCATIONS OF VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER GATES, ETC., AND COMPILING INFORMATION FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES. ALL CONTRACTORS SHOULD CALL 1-800-424-5555 PRIOR TO ANY EXCAVATION WORK.
- EXISTING TRAFFIC SIGNS SHALL BE RELOCATED AND MAINTAINED UNTIL NEW PERMANENT SIGNING IS INSTALLED. THE EXISTING SIGNS WILL THEN BE REMOVED BY THE CONTRACTOR AND SALVAGED TO THE CITY.
- ANY DAMAGE TO PUBLIC UTILITIES OR ADJACENT PROPERTIES AS A RESULT OF THE CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MADE IN A TIMELY MANNER TO THE SATISFACTION OF THE DAMAGED PARTY.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB, ON-SITE AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, AND AVAILABLE TO THE INSPECTOR AT ALL TIMES. THE CONTRACTOR SHALL DELIVER THESE DRAWINGS TO THE ENGINEER AT THE COMPLETION OF THE WORK.
- IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR FEET OR MORE IN DEPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF WSDOT/APWA SECTION 2-09.3(3)B, IT SHALL BE SHORED AND CRIBBED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR WORKER SAFETY AND THE ENGINEER ASSUMES NO RESPONSIBILITY. ALL TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
- THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC ALONG THE PROJECT LENGTH.
- THE CONTRACTOR SHALL MAINTAIN VEHICULAR AND PEDESTRIAN ACCESS TO BUSINESSES AT ALL TIMES THAT BUSINESSES ARE OPEN, UNLESS WORK IS OCCURRING IMMEDIATELY IN FRONT OF THE DOORWAY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN PEDESTRIAN TRAFFIC AND BUSINESS ACCESS THROUGHOUT THE DURATION OF THE PROJECT. AT A MINIMUM, THE CONTRACTOR SHALL:
 - MINIMIZE THE DISRUPTION IN FRONT OF THE BUSINESS ACCESS BY REMOVING SIDEWALK ON EITHER SIDE OF THE ACCESS AND LEAVING THE EXISTING SIDEWALK IN PLACE AS LONG AS POSSIBLE AND LIKewise SHALL SEQUENCE THE INSTALLATION OF THE NEW SIDEWALK TO PROVIDE ACCESS TO THE BUSINESS;
 - PROVIDE GRAVEL SURFACING (CRUSHED SURFACING TOP COURSE) ACCESS ACROSS THE CONSTRUCTION AREA TO THE DOOR OF THE BUSINESS;
 - PROVIDE BOARDWALKS AND BRIDGING WHERE GRAVEL SURFACING CANNOT BE PROVIDED OR, BY THE NATURE OF THE BUSINESS OR WHERE DIRECTED BY THE ENGINEER, WHEELED ACCESS FOR ADA ACCESSIBILITY AND STROLLERS IS CRITICAL TO THE BUSINESS AND CANNOT BE PROVIDED THROUGH THE GRAVEL SURFACING;
 - PROVIDE TEMPORARY SIDEWALK SIGNS DIRECTING PEDESTRIANS THROUGH THE CONSTRUCTION, NOTIFYING PEDESTRIANS OF ALTERNATIVE ROUTES, AND DIRECTING PEDESTRIANS TO BUSINESSES WHERE MEANS OF ACCESS IS NOT OBVIOUS;
 - ADJUSTING TIMES OF CONSTRUCTION IMMEDIATELY IN FRONT OF A BUSINESS ACCESS TO TIMES OF THE DAY WHEN THE BUSINESS IS CLOSED, OR BUSINESS ACTIVITY IS LIGHT. FOR EXAMPLE, CONSTRUCTION IN FRONT OF A DELI WOULD BE RESTRICTED DURING THE LUNCH HOUR; AND
 - WHEN CONSTRUCTION ACTIVITIES WILL AFFECT INGRESS AND EGRESS TO A PROPERTY ALONG THE PROJECT ALIGNMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OCCUPANT/OCCUPANTS OF THE PROPERTY 24 HOURS PRIOR TO THE CONSTRUCTION ACTIVITY BEGINNING. IF PERSONAL CONTACT WITH THE OCCUPANT IS NOT POSSIBLE, THE CONTRACTOR SHALL LEAVE WRITTEN NOTIFICATION.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- PACIFIC POWER AND LIGHT COMPANY (PP&L) AND CENTURYLINK MAY BE WORKING DURING THE CONTRACTOR'S WORK. THE CONTRACTOR SHALL COOPERATE WITH PP&L AND ANY OTHER UTILITIES PERFORMING WORK WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL COORDINATE WITH PP&L AND BE RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH STABILIZING POLES, ANCHORS, OR OTHER FACILITIES DURING CONSTRUCTION.

GENERAL DEMOLITION NOTES:

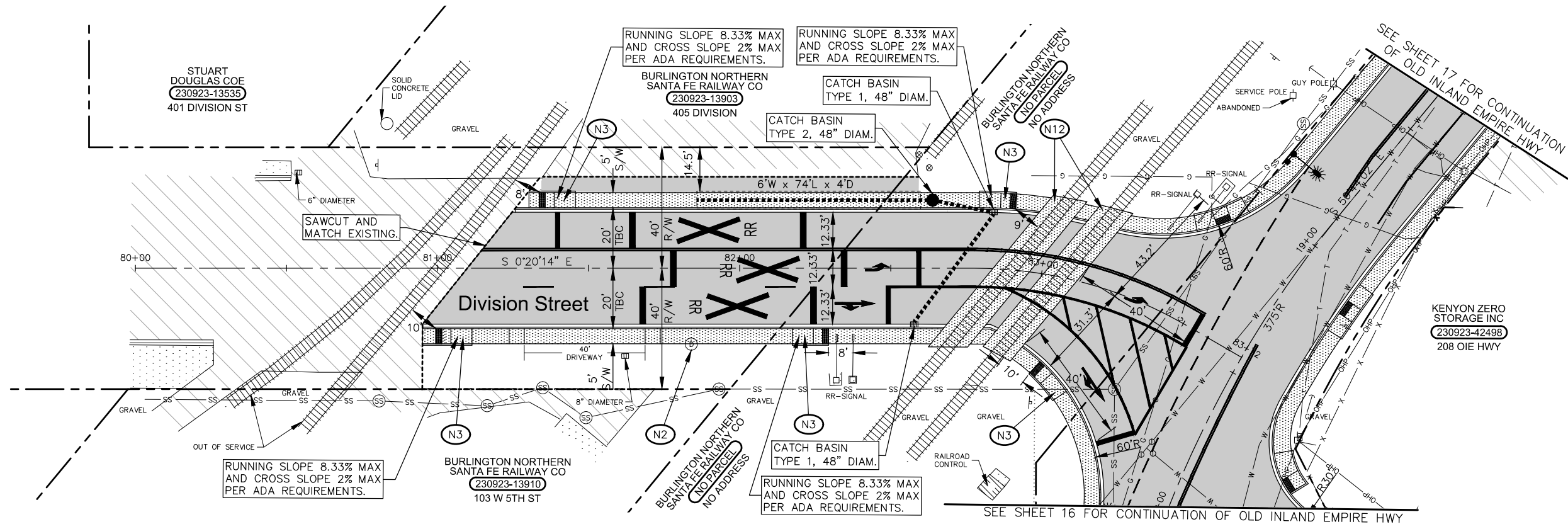
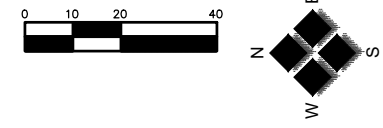
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE, INCLUDING BUT NOT LIMITED TO, GAS, ELECTRIC, AND TELEPHONE LINES, CABLE TV, AND WATER, SANITARY, AND STORM SEWER LINES.
- ALL DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND REQUIREMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLIANCE WITH ALL REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, HAZARDOUS MATERIALS, DISPOSAL, AND HOURS OF OPERATION.
- ALL EXISTING BUSHES, TREES, AND TREE ROOTS SHALL BE REMOVED FROM THE PROJECT LIMITS UNLESS OTHERWISE NOTED.
- ALL EROSION CONTROL MEASURES DESIGNATED FOR THE SITE PERIMETER OR TO PROTECT EXISTING IMPROVEMENTS SHALL BE IN PLACE PRIOR TO THE START OF ANY DEMOLITION ACTIVITIES.
- ANY UNFORESEEN CONDITIONS WHICH MAY BE ENCOUNTERED OR UNCOVERED DURING THE PROCESS OF DEMOLITION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER IMMEDIATELY. ADDITIONAL EXPENSES INCURRED BY UNFORESEEN CONDITIONS SHALL BE APPROVED BY THE OWNER PRIOR TO ANY ADDITIONAL WORK BEING PERFORMED.
- THE CONTRACTOR SHALL USE WASTE SITE PROVIDED BY THE CITY OF GRANDVIEW FOR ALL SUITABLE EXCAVATED NATIVE SOIL AND GRAVEL BASE MATERIAL. THE SITE IS WITHIN TWO MILES OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROPRIATE DISPOSAL OF ALL DEBRIS. BURNING ON SITE SHALL NOT BE PERMITTED.
- THE CONTRACTOR SHALL MOUND OVER EXISTING UTILITIES AND OTHER FEATURES DURING EARTHWORK ACTIVITIES. ANY DAMAGE TO PUBLIC UTILITIES OR ADJACENT PROPERTIES AS A RESULT OF THE DEMOLITION ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. REPAIRS SHALL BE MADE IN A TIMELY MANNER TO THE SATISFACTION OF THE DAMAGED PARTY.
- THE CONTRACTOR SHALL NOT DISTURB EXISTING SURVEY MONUMENTS. ALL DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.



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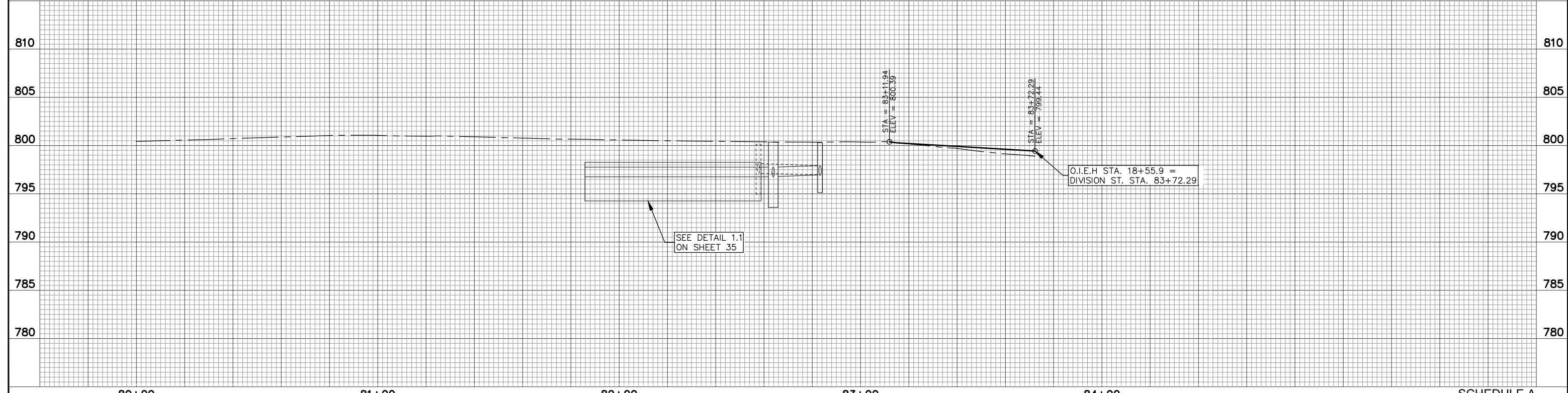


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| | FILE NAMES: DRAWING: Sheets-ROAD PLAN: 13134 | | | OF |
| | DESIGNED BY: MDU ENTERED BY: MEM/OCK | | | 37 |
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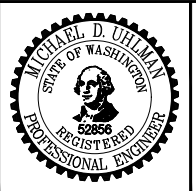
- CONSTRUCTION NOTES:**
- # DRAINAGE STRUCTURE NOTE. SEE SHEET 34.
 - N1 ADJUST VALVE BOX CASE AND COVER TO FINAL GRADE.
 - N2 ADJUST MANHOLE FRAME AND COVER TO FINAL GRADE. ROTATE CONE AS NECESSARY.
 - N3 INSTALL TYPE SINGLE DIRECTION A CURB RAMP, INCLUDING PEDESTRIAN CURB PER WSDOT STANDARD PLAN F-40.16
 - N4 INSTALL TYPE PARALLEL A CURB RAMP, INCLUDING PEDESTRIAN CURB PER WSDOT STANDARD PLAN F-40.12.
 - N5 INSTALL TYPE PARALLEL B CURB RAMP, INCLUDING PEDESTRIAN CURB PER WSDOT STANDARD PLAN F-40.12.
 - N6 UTILITY POLE/TELEPHONE PEDESTAL TO BE RELOCATED BY OTHERS DURING PROJECT.
 - N7 CONSTRUCT NEW CEMENT CONCRETE SIDEWALK 4-INCH THICK.
 - N8 INSTALL STREET LIGHT, JUNCTION BOX, CONDUIT AND CONDUCTORS PER DETAILS.
 - N9 REMOVE AND RESET FENCE TO RIGHT OF WAY LINE.
 - N10 PROTECT EXISTING UTILITY TO REMAIN.
 - N11 ADJUST MONUMENT CASE AND COVER TO FINISH GRADE. ENGINEER TO RESET MONUMENT AT CONTRACTORS EXPENSE IF DISTURBED.
 - N12 CONSTRUCT 10' WIDE CONCRETE CROSSING SURFACE PER BNSF RAILWAY ROAD CROSSING LAYOUT. WORK TO BE COMPLETED BY QUALIFIED RAILROAD CONTRACTOR.

NOTE:
AS DIRECTED BY THE ENGINEER, FULL DEPTH SELECT BACKFILL SHALL BE USED ON TRANSVERSE CROSSINGS WITHIN THE ROADWAY LIMITS.



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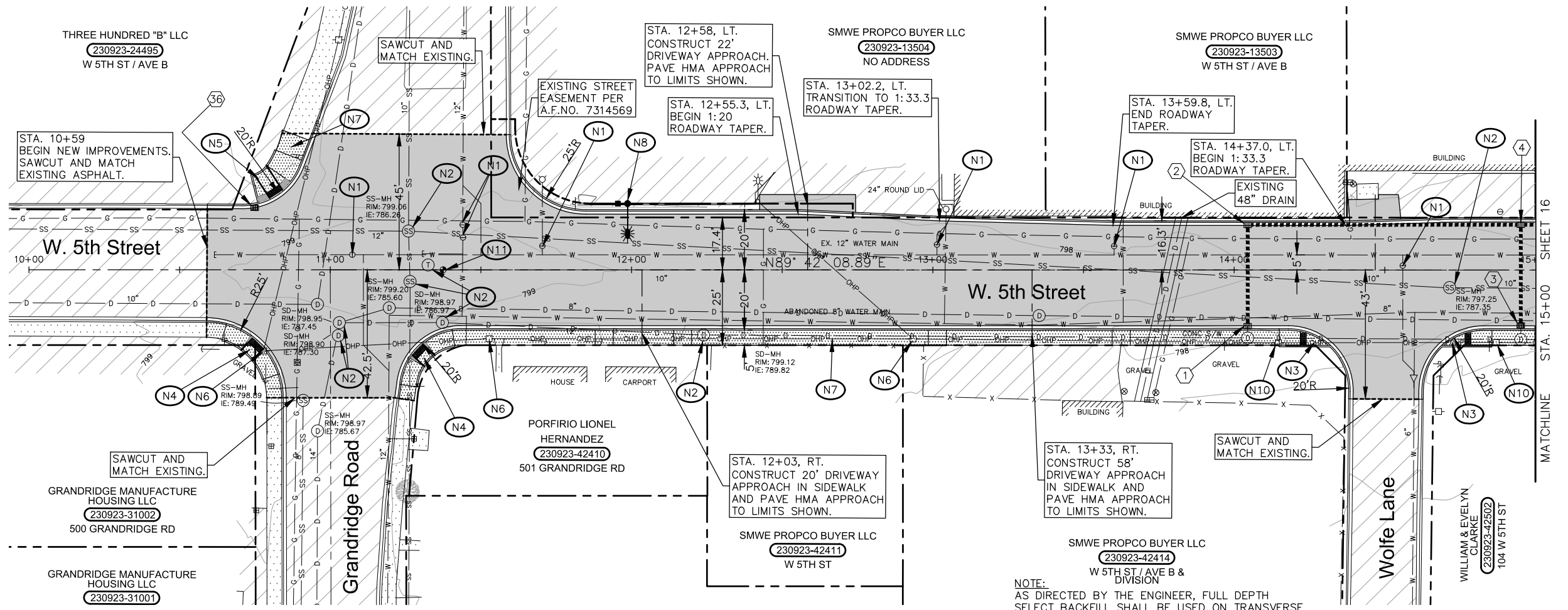
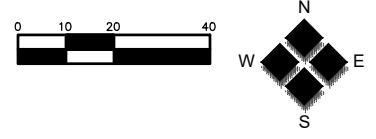


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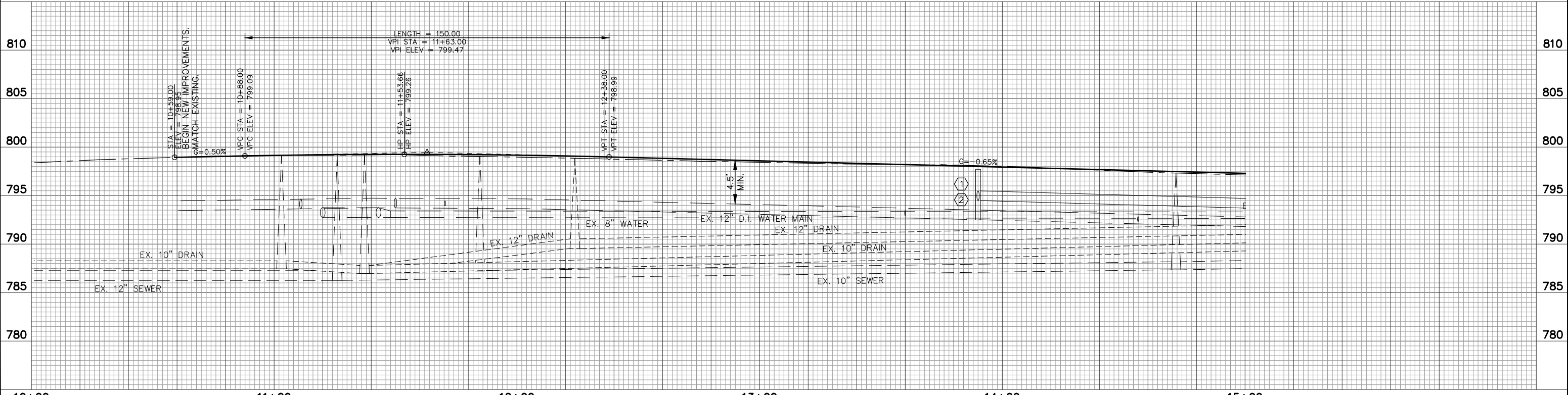
PLAN AND PROFILE, STA. B.O.P. TO E.O.P.

SHEET
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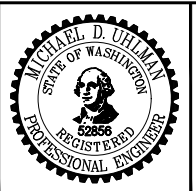
- CONSTRUCTION NOTES:**
- # DRAINAGE STRUCTURE NOTE. SEE SHEET 34.
 - (N1) ADJUST VALVE BOX CASE AND COVER TO FINAL GRADE.
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 - (N3) INSTALL TYPE SINGLE DIRECTION A CURB RAMP, INCLUDING PEDESTRIAN CURB PER WSDOT STANDARD PLAN F-40.16
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 - (N9) REMOVE AND RESET FENCE TO RIGHT OF WAY LINE.
 - (N10) PROTECT EXISTING UTILITY TO REMAIN.
 - (N11) ADJUST MONUMENT CASE AND COVER TO FINISH GRADE. ENGINEER TO RESET MONUMENT AT CONTRACTORS EXPENSE IF DISTURBED.
 - (N12) CONSTRUCT CONCRETE CROSSING SURFACE PER BNSF STANDARDS.

NOTE:
AS DIRECTED BY THE ENGINEER, FULL DEPTH SELECT BACKFILL SHALL BE USED ON TRANSVERSE CROSSINGS WITHIN THE ROADWAY LIMITS.



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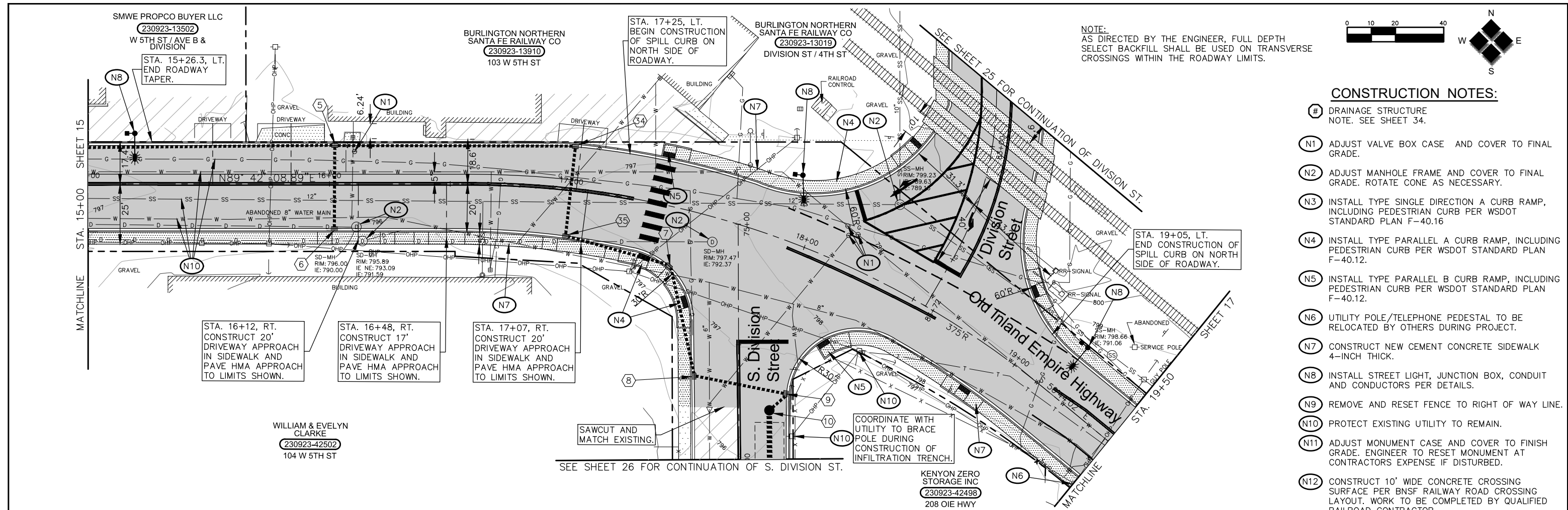


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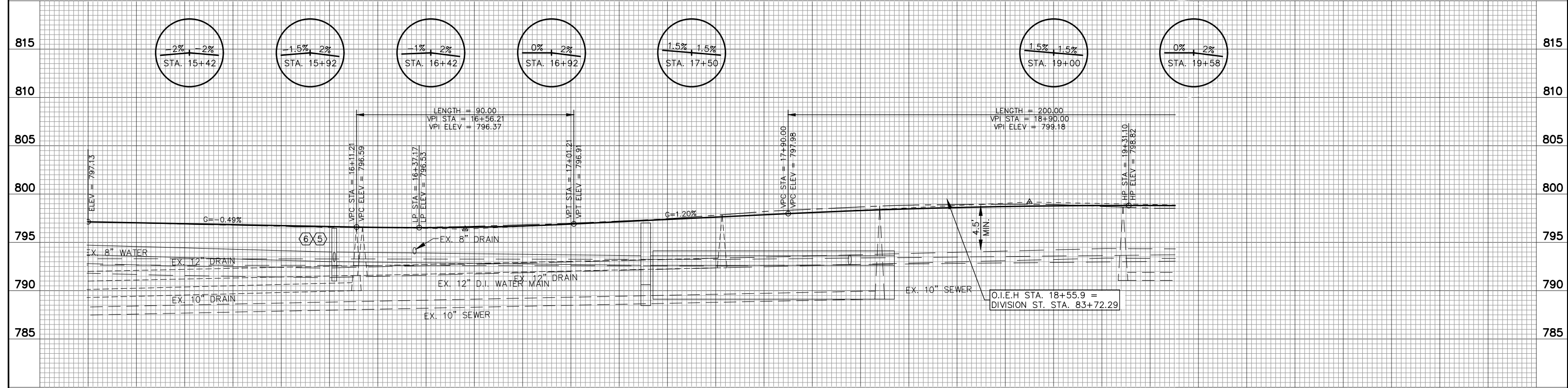
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OF
37



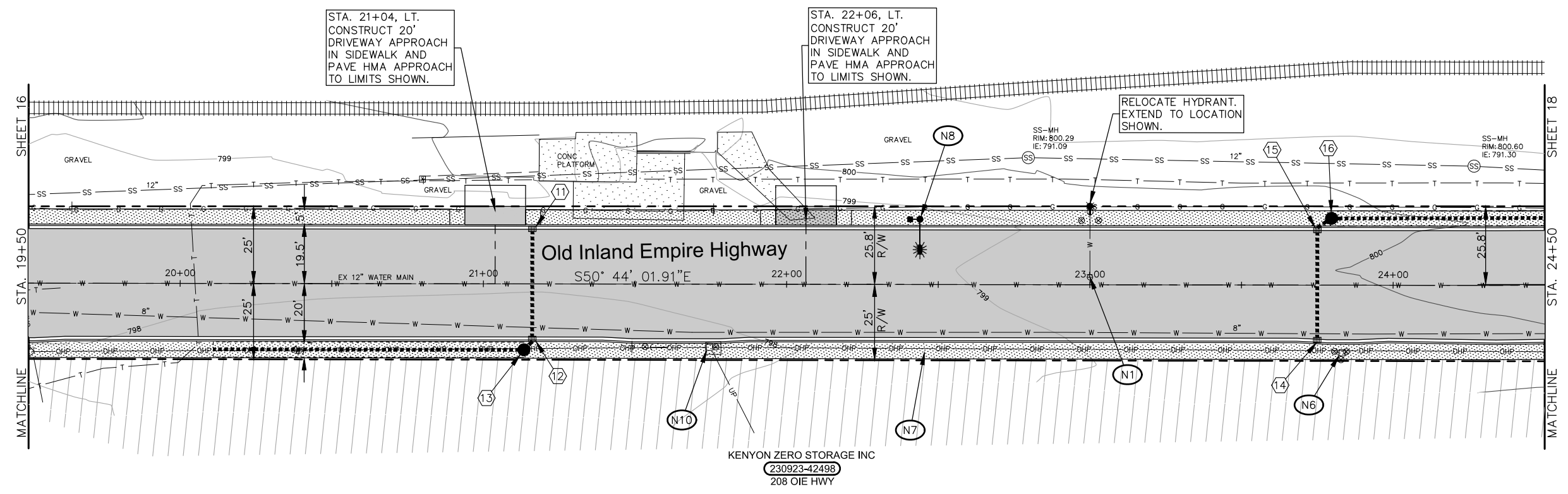
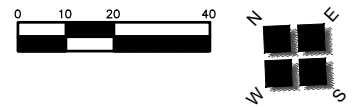
NOTE:
AS DIRECTED BY THE ENGINEER, FULL DEPTH
SELECT BACKFILL SHALL BE USED ON TRANSVERSE
CROSSINGS WITHIN THE ROADWAY LIMITS.

CONSTRUCTION NOTES:

- # DRAINAGE STRUCTURE
NOTE. SEE SHEET 34.
- N1 ADJUST VALVE BOX CASE AND COVER TO FINAL GRADE.
- N2 ADJUST MANHOLE FRAME AND COVER TO FINAL GRADE. ROTATE CONE AS NECESSARY.
- N3 INSTALL TYPE SINGLE DIRECTION A CURB RAMP, INCLUDING PEDESTRIAN CURB PER WSDOT STANDARD PLAN F-40.16
- N4 INSTALL TYPE PARALLEL A CURB RAMP, INCLUDING PEDESTRIAN CURB PER WSDOT STANDARD PLAN F-40.12.
- N5 INSTALL TYPE PARALLEL B CURB RAMP, INCLUDING PEDESTRIAN CURB PER WSDOT STANDARD PLAN F-40.12.
- N6 UTILITY POLE/TELEPHONE PEDESTAL TO BE RELOCATED BY OTHERS DURING PROJECT.
- N7 CONSTRUCT NEW CEMENT CONCRETE SIDEWALK 4-INCH THICK.
- N8 INSTALL STREET LIGHT, JUNCTION BOX, CONDUIT AND CONDUCTORS PER DETAILS.
- N9 REMOVE AND RESET FENCE TO RIGHT OF WAY LINE.
- N10 PROTECT EXISTING UTILITY TO REMAIN.
- N11 ADJUST MONUMENT CASE AND COVER TO FINISH GRADE. ENGINEER TO RESET MONUMENT AT CONTRACTORS EXPENSE IF DISTURBED.
- N12 CONSTRUCT 10' WIDE CONCRETE CROSSING SURFACE PER BNSF RAILWAY ROAD CROSSING LAYOUT. WORK TO BE COMPLETED BY QUALIFIED RAILROAD CONTRACTOR.



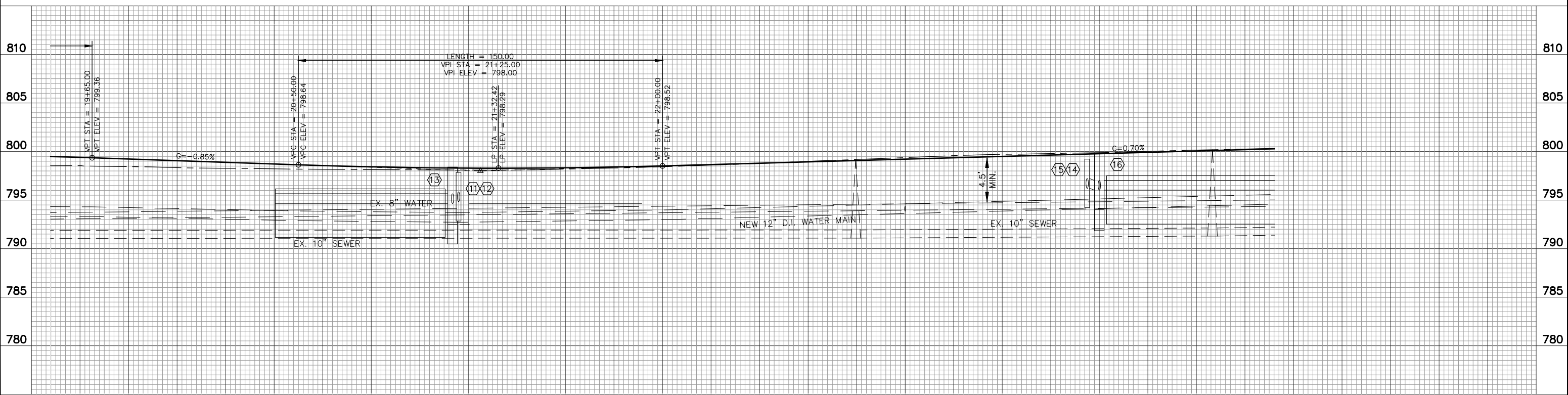
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| | 2803 River Road Yakima, WA 98902 509.966.7000 Fax 509.965.3800 www.hlacivil.com | | | FEDERAL AID NO. STPUS 8052-(003) JOB NUMBER: 13134 DATE: 03-22-23 FILE NAMES: DRAWING: Sheets-ROAD PLAN: 13134 DESIGNED BY: MDU ENTERED BY: MEM/OCK | CITY OF GRANDVIEW OLD INLAND EMPIRE HIGHWAY IMPROVEMENTS PLAN AND PROFILE, STA. 15+00 TO 19+50 | SCHEDULE A SHEET 16 OF 37 |
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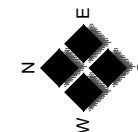
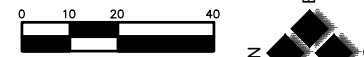
CONSTRUCTION NOTES:

- # DRAINAGE STRUCTURE
NOTE. SEE SHEET 34.
- N1 ADJUST VALVE BOX CASE AND COVER TO FINAL GRADE.
- N2 ADJUST MANHOLE FRAME AND COVER TO FINAL GRADE. ROTATE CONE AS NECESSARY.
- N3 INSTALL TYPE SINGLE DIRECTION A CURB RAMP, INCLUDING PEDESTRIAN CURB PER WSDOT STANDARD PLAN F-40.16
- N4 INSTALL TYPE PARALLEL A CURB RAMP, INCLUDING PEDESTRIAN CURB PER WSDOT STANDARD PLAN F-40.12.
- N5 INSTALL TYPE PARALLEL B CURB RAMP, INCLUDING PEDESTRIAN CURB PER WSDOT STANDARD PLAN F-40.12.
- N6 UTILITY POLE/TELEPHONE PEDESTAL TO BE RELOCATED BY OTHERS DURING PROJECT.
- N7 CONSTRUCT NEW CEMENT CONCRETE SIDEWALK 4-INCH THICK.
- N8 INSTALL STREET LIGHT, JUNCTION BOX, CONDUIT AND CONDUCTORS PER DETAILS.
- N9 REMOVE AND RESET FENCE TO RIGHT OF WAY LINE.
- N10 PROTECT EXISTING UTILITY TO REMAIN.
- N11 ADJUST MONUMENT CASE AND COVER TO FINISH GRADE. ENGINEER TO RESET MONUMENT AT CONTRACTORS EXPENSE IF DISTURBED.
- N12 CONSTRUCT CONCRETE CROSSING SURFACE PER BNSF STANDARDS.

NOTE:
AS DIRECTED BY THE ENGINEER, FULL DEPTH SELECT BACKFILL SHALL BE USED ON TRANSVERSE CROSSINGS WITHIN THE ROADWAY LIMITS.

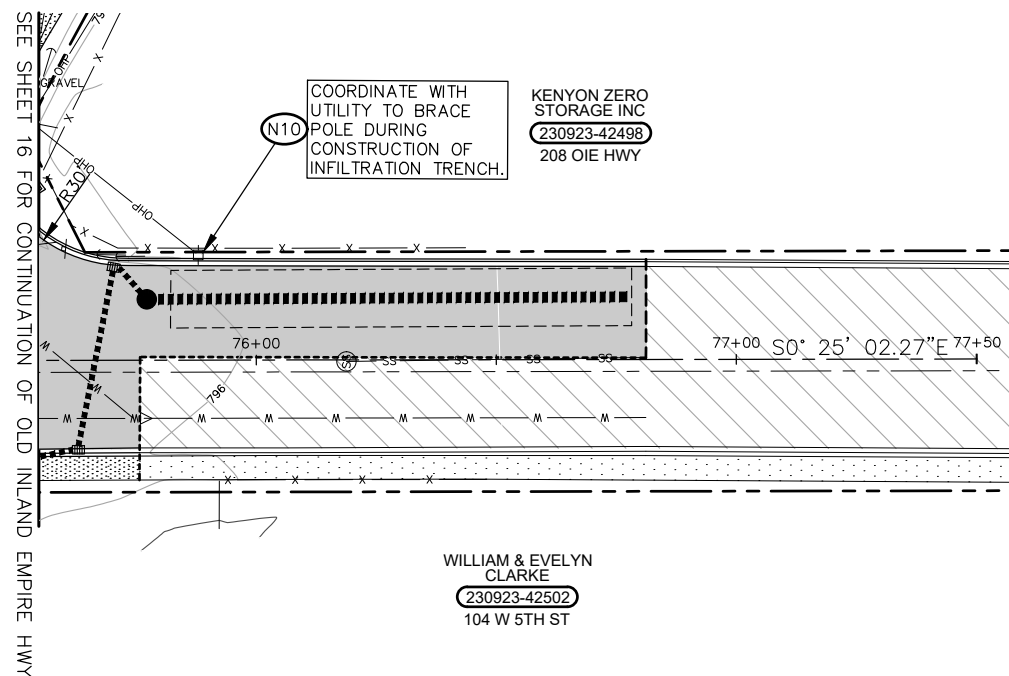


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| | 2803 River Road Yakima, WA 98902 509.966.7000 Fax 509.965.3800 www.hlacivil.com | | | FEDERAL AID NO. STPUS 8052-(003) | JOB NUMBER: 13134 | DATE: 03-22-23 | CITY OF GRANDVIEW OLD INLAND EMPIRE HIGHWAY IMPROVEMENTS | SHEET 17 OF 37 |
| | | | | REVISION | DATE | FILE NAMES: DRAWING: Sheets-ROAD PLAN: 13134 | | |

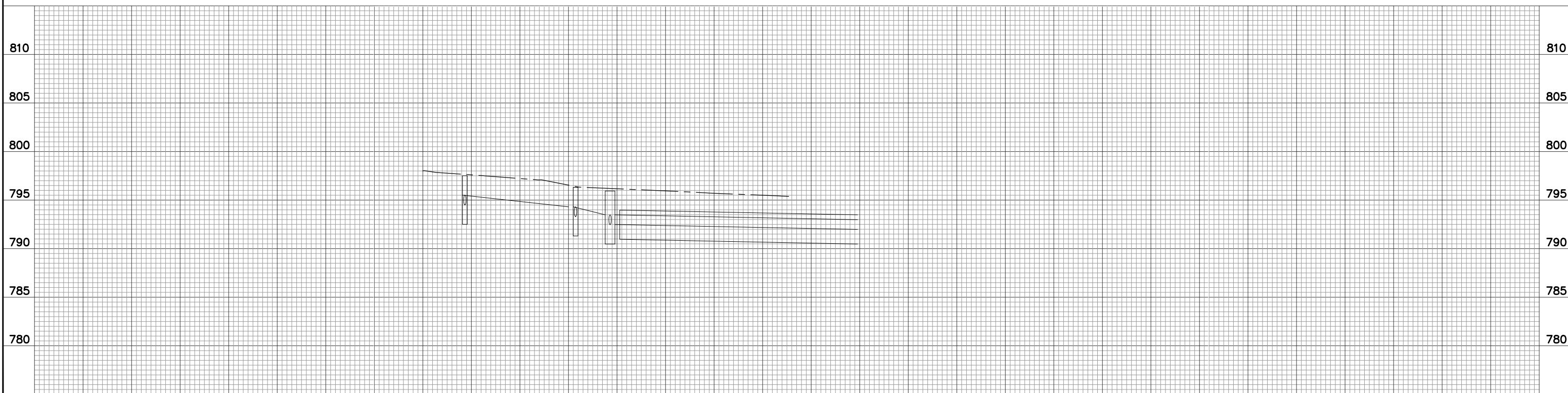


CONSTRUCTION NOTES:

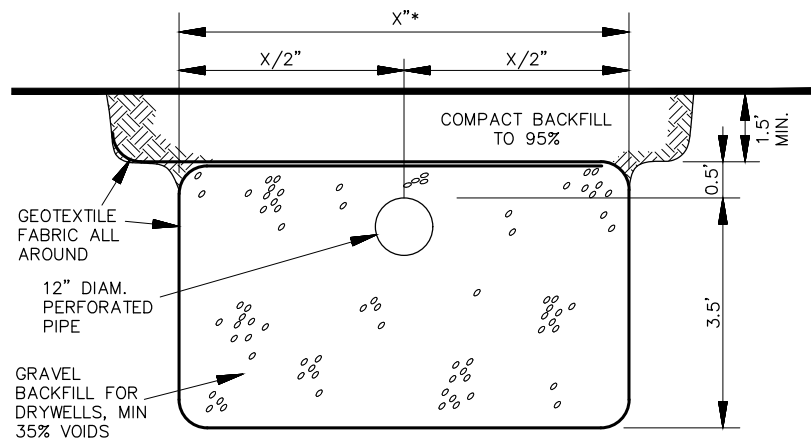
- # DRAINAGE STRUCTURE
NOTE. SEE SHEET 31.
- N1 ADJUST VALVE BOX CASE AND COVER TO FINAL GRADE.
- N2 ADJUST MANHOLE FRAME AND COVER TO FINAL GRADE. ROTATE CONE AS NECESSARY.
- N3 INSTALL TYPE SINGLE DIRECTION A CURB RAMP, INCLUDING PEDESTRIAN CURB PER WSDOT STANDARD PLAN F-40.16
- N4 INSTALL TYPE PARALLEL A CURB RAMP, INCLUDING PEDESTRIAN CURB PER WSDOT STANDARD PLAN F-40.12.
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NOTE:
AS DIRECTED BY THE ENGINEER, FULL DEPTH
SELECT BACKFILL SHALL BE USED ON TRANSVERSE
CROSSINGS WITHIN THE ROADWAY LIMITS.

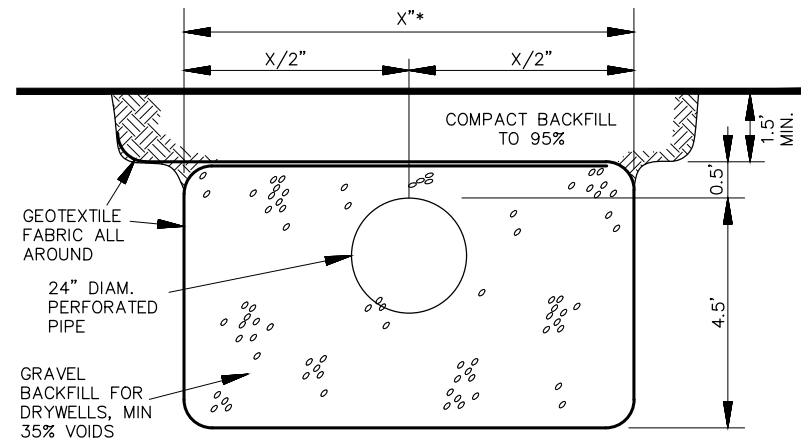


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| | 2803 River Road Yakima, WA 98902 509.966.7000 Fax 509.965.3800 www.hlacivil.com | | | FEDERAL AID NO. STPUS 8052-(003) | JOB NUMBER: 13134 | DATE: 03-22-23 | CITY OF GRANDVIEW OLD INLAND EMPIRE HIGHWAY IMPROVEMENTS PLAN AND PROFILE, STA. B.O.P. TO E.O.P. | SHEET 26 OF 37 |
| | | | | REVISION | DATE | FILE NAMES: DRAWING: Sheets-ROAD PLAN: 13134 | | |



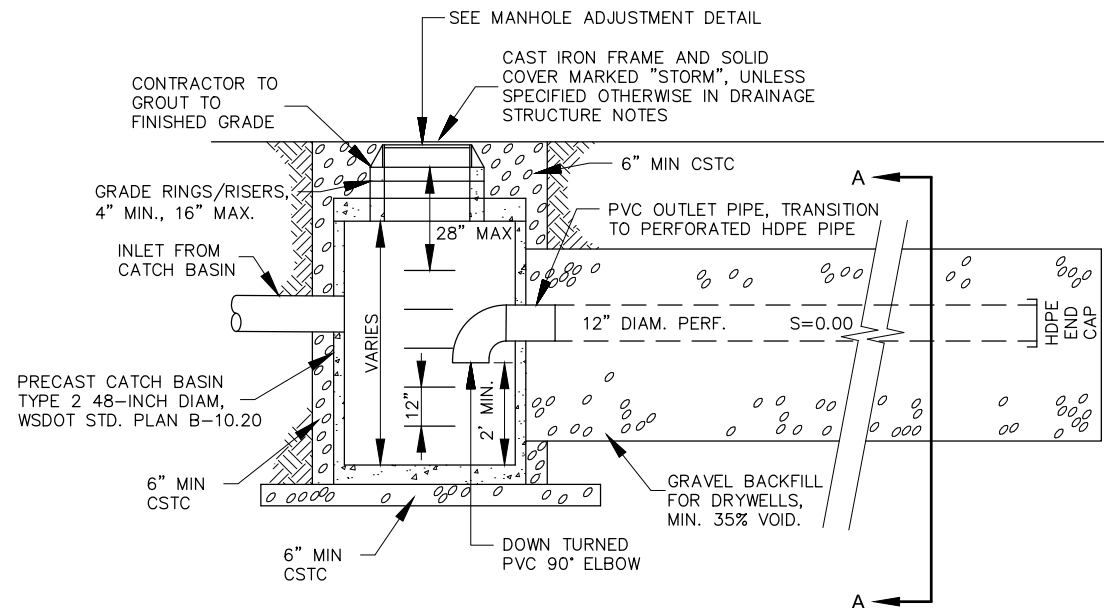
SECTION A-A

*SEE CONTRACT PLANS AND DRAINAGE STRUCTURE TABLE



SECTION A-A

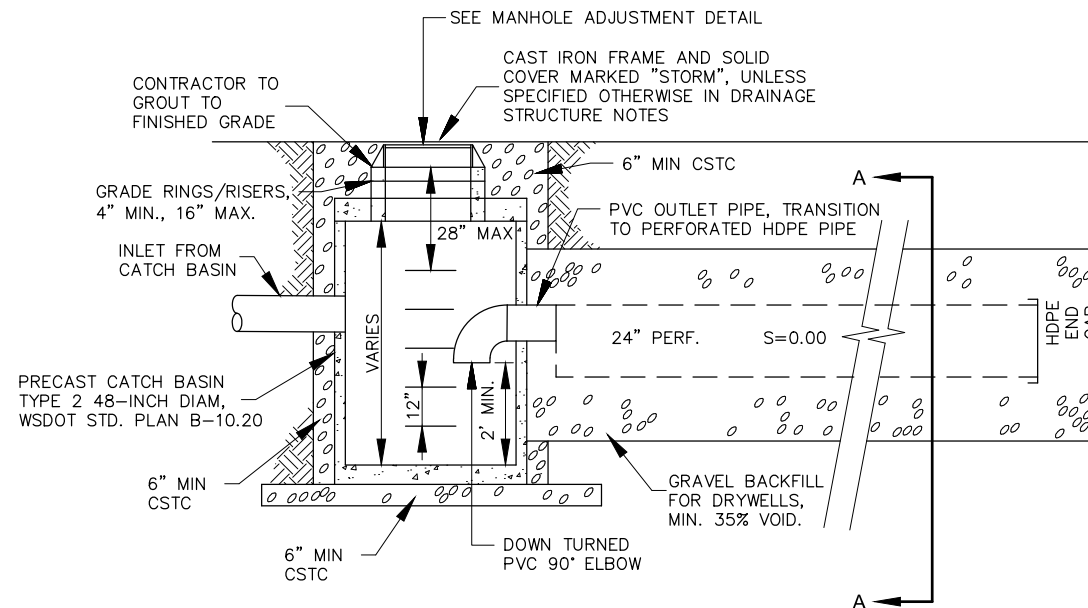
*SEE CONTRACT PLANS AND DRAINAGE STRUCTURE TABLE



PLAN

- NOTES:
 1. SEE DRAINAGE STRUCTURE NOTES FOR IE'S OF PIPES.
 2. SEE DRAINAGE STRUCTURE NOTES AND PLAN SHEETS FOR ORIENTATION AND TRENCH LENGTH.

1.1 INFILTRATION SYSTEM DETAIL
 NOT TO SCALE



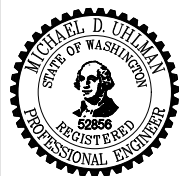
PLAN

- NOTES:
 1. SEE DRAINAGE STRUCTURE NOTES FOR IE'S OF PIPES.
 2. SEE DRAINAGE STRUCTURE NOTES AND PLAN SHEETS FOR ORIENTATION AND TRENCH LENGTH.

1.2 INFILTRATION SYSTEM DETAIL
 NOT TO SCALE



2803 River Road
 Yakima, WA 98902
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| | | PLAN: 13134 | |
| DESIGNED BY: MDU | | | |
| ENTERED BY: MEM/OCK | | | |
| REVISION | DATE | | |

CITY OF GRANDVIEW
 OLD INLAND EMPIRE
 HIGHWAY IMPROVEMENTS

DRAINAGE STRUCTURE NOTES AND DETAILS

SHEET
 35
 OF
 37

