

# CITY OF CLE ELUM

KITTITAS COUNTY

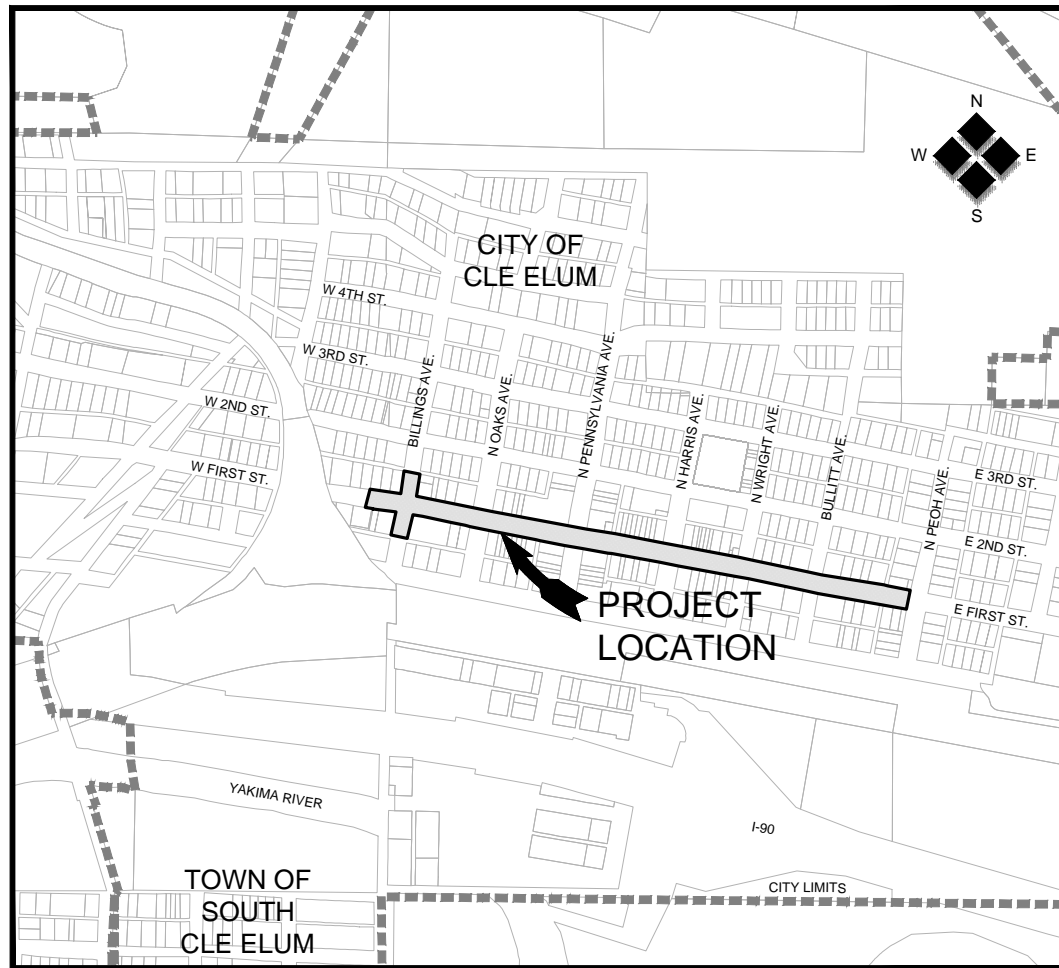
WASHINGTON

## FIRST STREET STORMWATER AND BILLINGS AVENUE INTERSECTION IMPROVEMENTS

CDBG NO. 17-62210-044, FHWA NO. STPR-0903

HLA PROJECT NOS. 17089 AND 18186

MARCH 2019



VICINITY MAP  
NOT TO SCALE

### 100% PLAN SUBMITTAL



**DATUM ELEVATION**

ELEVATIONS BASED ON WASHINGTON STATE REFERENCE NETWORK (WSRN) NAVD88

ON-SITE TBM AT NORTHEAST CORNER OF BULLITT AVENUE AND FIRST STREET (SR 903).  
PK-NAIL IN ASPHALT.  
ELEV: 1907.08

**SHEET INDEX**

|        |         |   |
|--------|---------|---|
| SHEET  | 1       | COVER   |
| SHEET  | 2       | LEGEND AND GENERAL NOTES                      |
| SHEET  | 3       | OVERALL SITE PLAN AND SHEET MAP               |
| SHEET  | 4       | BILLINGS AVENUE DEMOLITION PLAN               |
| SHEET  | 5       | BILLINGS AVENUE STREET IMPROVEMENT PLAN       |
| SHEET  | 6       | BILLINGS AVENUE GRADING AND DRAINAGE PLAN     |
| SHEET  | 7       | BILLINGS AVENUE PRIVATE UTILITIES PLAN        |
| SHEET  | 8       | BILLINGS AVENUE ELECTRICAL PLAN               |
| SHEET  | 9       | BILLINGS AVENUE IRRIGATION PLAN               |
| SHEETS | 10 - 11 | IRRIGATION DETAILS                            |
| SHEET  | 12      | BILLINGS AVENUE SIGNING AND MARKING PLAN      |
| SHEETS | 13 - 15 | BILLINGS AVENUE PLANTING PLANS                |
| SHEETS | 16 - 18 | FIRST STREET DEMOLITION PLAN                  |
| SHEETS | 19 - 24 | FIRST STREET SOUTH CURB LINE PLAN AND PROFILE |
| SHEET  | 25      | DRAINAGE DETAILS                              |
| SHEET  | 26      | DRAINAGE TABLE                                |
| SHEET  | 27      | CLASS 'A' AND CLASS 'B' SIGNING PLAN          |
| SHEET  | 28      | PROJECT DETAILS                               |



Know what's below.  
Call before you dig.

LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON FIELD LOCATIONS OF ALL VISIBLE STRUCTURES SUCH AS: CATCH BASINS, MANHOLES, WATER GATES, ETC. AND COMPILING INFORMATION FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES. ALL CONTRACTORS SHOULD CALL 509-248-0202 OR 1-800-424-5555 PRIOR TO ANY EXCAVATION WORK.



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**PRELIMINARY**  
SUBJECT TO REVISION

CDBG NO. 17-62210-044  
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JOB NUMBER: 17089 | DATE: 3-29-19

FILE NAMES:  
DRAWING: SHEETS.dwg  
PLAN: 17089.dwg  
PROFILE: 17089.dwg

DESIGNED BY: BAA  
ENTERED BY: JBP

**CITY OF CLE ELUM**  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

COVER

SHEET  
1  
OF  
28

REVISION | DATE

**GENERAL PROJECT NOTES**

- ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION IMPROVEMENTS SHALL MEET OR EXCEED THE OWNER'S STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH BY THE CONTRACTING AGENCY, AND APPLICABLE STATE AND FEDERAL REGULATION. ALL CONSTRUCTION SHALL CONFORM TO THE 2018 EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) AND THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA). WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC RIGHT OF WAY OR EASEMENTS SHALL BE INSPECTED AND APPROVED BY THE CONTRACTING AGENCY.
- A PRECONSTRUCTION MEETING WITH THE LOCAL JURISDICTION/PUBLIC WORKS DEPARTMENT, WSDOT, THE ENGINEER, THE CONTRACTOR, AND INTERESTED UTILITY COMPANIES SHALL BE HELD PRIOR TO BEGINNING CONSTRUCTION. THE INSPECTOR SHALL BE GIVEN 48-HOURS MINIMUM NOTICE PRIOR TO THE START OF WORK.
- 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 OR AGREEMENTS NEEDED FOR THE JOB, ON-SITE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
- IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR FEET OR MORE IN DEPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF 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.
- IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES, WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
- ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN(S), IN ACCORDANCE WITH MUTCD TO THE ENGINEER AND APPROPRIATE RIGHT OF WAY AUTHORITY (CITY, COUNTY, OR STATE) FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN, OR AFFECTING, THE RIGHT OF WAY. 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 PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THIS CONTRACT. ALL SECTIONS OF THE WSDOT/APWA STANDARD SPECIFICATIONS SECTION 1-10, TEMPORARY TRAFFIC CONTROL, SHALL APPLY IF WORK WITHIN THE RIGHT OF WAY WILL INTERRUPT NORMAL TRAFFIC OPERATION.
- 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.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED, AND RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
- 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 CONTRACTING AGENCY AT ALL TIMES. THE CONTRACTOR SHALL DELIVER THESE DRAWINGS TO THE ENGINEER AT THE COMPLETION OF THE WORK.
- DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE ENGINEER FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
- ALL EROSION CONTROL MEASURES SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION, PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
- THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF DRY UTILITIES.
- ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE, OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT, AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE PERIOD BETWEEN 7:00 A.M. AND 6:00 P.M. EVERY DAY UNLESS OTHERWISE APPROVED BY THE CONTRACTING AGENCY.
- 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.
- PUGET SOUND ENERGY (PSE) WILL BE INSTALLING UNDERGROUND POWER AND ILLUMINATION DURING THE CONTRACTOR'S WORK. THE CONTRACTOR SHALL COOPERATE WITH PSE AND ANY OTHER UTILITIES PERFORMING WORK WITHIN THE PROJECT LIMITS. PSE WILL ALSO BE REMOVING STREET LIGHTS AND UTILITY POLES. CONTRACTOR SHALL BLOCK OUT NEW SIDEWALK AT THESE LOCATIONS IF POLES ARE NOT REMOVED, AND POUR SIDEWALK FOLLOWING REMOVAL.

**GENERAL SITE NOTES**

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE READILY ACCESSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY PERTINENT LOCATIONS AND ELEVATIONS OF UTILITY CONNECTION POINTS AND UTILITY CROSSINGS. FIELD VERIFY DEPTHS BY POTHOLING PRIOR TO BEGINNING ANY NEW CONSTRUCTION TO ALLOW FOR ADJUSTMENT IN GRADE OR ALIGNMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR POTHOLING OR ADJUSTMENT OF GRADES. NOTIFY THE ENGINEER IMMEDIATELY IF CONDITIONS ARE OTHER THAN DEPICTED.
- 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.
- ALL SITE AND UTILITY 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 THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA) AND THE SPECIAL PROVISIONS OF THE CONTRACTING AGENCY.
- MAXIMUM CROSS SLOPE ON ALL SIDEWALKS SHALL BE 2%.
- AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING ON-SITE EROSION DUE TO WIND AND RUNOFF.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE REGULATIONS OF THE LOCAL CLEAN AIR AUTHORITY. A METHOD OF DUST CONTROL DURING CONSTRUCTION SHALL BE APPROVED BY THE LOCAL CLEAN AIR AUTHORITY. THE CONTRACTOR SHALL DESIGNATE A PROJECT COORDINATOR FOR CONTACT DURING CONSTRUCTION REGARDING ALLEGED AIR QUALITY VIOLATIONS AND OTHER COMPLAINTS.

**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 BE RESPONSIBLE FOR THE APPROPRIATE DISPOSAL OF ALL DEBRIS. BURNING ON SITE SHALL NOT BE PERMITTED.
- 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.
- APPROXIMATE EXISTING MATERIALS: THE CONTRACTOR SHOULD BE MADE AWARE THAT FIRST STREET SURFACING AT THE EXISTING CURB LINE IS APPROXIMATELY 3" OF HMA OVER 8"-10" OF PCCP OVER CRUSHED SURFACING. SURFACING FROM CENTERLINE TO 10' FROM THE EXISTING CURB LINE IS APPROXIMATELY 5" OF HMA OVER 8"-10" OF PCCP OVER CRUSHED SURFACING. SURFACING BETWEEN 10' FROM THE CURB LINE TO THE EXISTING CURB LINE VARIES 5" TO 3" HMA OVER 8"-10" PCCP. HMA AND PCCP SHALL BE VERTICALLY SAWCUT FOR REMOVAL.

**TEMPORARY EROSION/SEDIMENTATION CONTROL NOTES**

- THE CONTRACTOR SHALL USE PROPER EROSION AND SEDIMENT CONTROL PRACTICES ON THE CONSTRUCTION SITE AND ADJACENT CONSTRUCTION STAGING AREAS TO PREVENT EROSION IN AND DOWNHILL OF DISTURBED AREAS, AND TO PREVENT DISCHARGE OF UPLAND SEDIMENTS OR SEDIMENT-LADEN WATER INTO WETLAND, BUFFER AREAS, AND LOCAL DRAINAGE SYSTEMS.
- STORM DRAIN INLET PROTECTION (WSDOT STD. PLAN 1-40.20) AT ALL CATCH BASINS IS THE MINIMUM REQUIRED FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES AS REQUIRED DUE TO CONSTRUCTION PROCEDURES USED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOT DISCHARGE TURBID WATER GENERATED FROM CONSTRUCTION ACTIVITIES DIRECTLY TO ANY STREAMS, STORM WATER SYSTEM INLETS, OR DRAINAGE DITCHES BEFORE THE SOLIDS HAVE SETTLED OUT OF THE WATER.
- THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING VEGETATION BEYOND THE CLEARING LIMITS.
- INLET PROTECTION AND ANY CHANGES REQUIRED BY THE CONTRACTOR'S OPERATIONS, MUST BE CONSTRUCTED PRIOR TO BEGINNING CLEARING AND GRADING OPERATIONS.
- THE TESC MEASURES SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
- THE CONTRACTOR SHALL PROVIDE DAILY INSPECTION AND MAINTENANCE OF ALL TESC MEASURES. TESC MEASURES SHALL BE IN WORKING CONDITION AT ALL TIMES. THE CONTRACTOR SHALL IMMEDIATELY REPAIR, REPLACE, AND INSTALL ADDITIONAL MEASURES AS DIRECTED BY THE ENGINEER.
- AFTER ANY 24-HOUR RAINFALL GREATER THAN 0.5 INCHES, THE CONTRACTOR SHALL INSPECT TESC MEASURES FOR INTEGRITY. ANY DAMAGED TESC MEASURES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND REPAIRED IMMEDIATELY.

**GENERAL STORMWATER AND DRAINAGE NOTES**

- IF WITHIN THE STORM DRAIN AND STRUCTURE TRENCH LIMITS, CONTRACTOR SHALL ADJUST ALL UTILITY VAULTS, VAULT COVERS, VALVES, CLEANOUTS, MONITORING WELLS, MANHOLES, ETC. TO FINISH GRADE.
- CONTRACTOR SHALL POTHOLE EXISTING UTILITIES TO DETERMINE EXACT HORIZONTAL AND VERTICAL LOCATIONS AT HIS EXPENSE. ALL EXISTING UTILITIES IN THE PROFILE ARE SHOWN FOR REFERENCE ONLY AND DO NOT REPRESENT ACTUAL LOCATIONS AND DEPTHS.
- ALL ELEVATIONS ARE TO FINISH GRADE. CONTRACTOR SHALL CALCULATE SUBGRADE ELEVATIONS.
- ANY SURFACE IMPROVEMENTS WHICH MUST BE REMOVED IN ORDER TO COMPLETE THE WORK SHOWN ON THESE PLANS SHALL BE INCLUDED AS PART OF THE STORM SEWER INSTALLATION COST AT NO ADDITIONAL COST TO THE OWNER REGARDLESS OF WHETHER OR NOT SUCH REMOVAL IS SHOWN ON THE PLANS.
- SIDEWALK REPLACEMENT SHALL BE SLOPED TO DRAIN TOWARDS CURB EXCEPT WHERE DIRECTED OTHERWISE, AND CROSS SLOPE OF SIDEWALKS SHALL BE 2% MAXIMUM.
- SEE SHEETS 25 AND 26 FOR DRAINAGE STRUCTURE NOTES AND DETAILS.

**LEGEND**

|      |      |                                 |   |                                 |
|------|------|---------------------------------|---|---------------------------------|
| ---  | ---  | EXISTING RIGHT-OF-WAY           | ● | EXISTING MONUMENT FOUND         |
| X    | X    | EXISTING FENCE                  | ● | EXISTING PROPERTY CORNER FOUND  |
| W    | W    | EXISTING WATER                  | ○ | 5/8" REBAR WITH CAP #33132 SET  |
| SS   | SS   | EXISTING SEWER                  | ⊗ | EXISTING WATERMAIN BLOWOFF      |
| D    | D    | EXISTING STORM DRAINAGE         | ⊗ | EXISTING IRRIGATION VALVE       |
| G    | G    | EXISTING NATURAL GAS            | ⊗ | EXISTING FIRE HYDRANT           |
| CULV | CULV | EXISTING CULVERT                | ⊗ | EXISTING PIV                    |
| OHP  | OHP  | EXISTING OVERHEAD POWER         | ⊗ | EXISTING FDC                    |
| OHT  | OHT  | EXISTING OVERHEAD TELEPHONE     | ⊗ | EXISTING WATER VALVE            |
| UP   | UP   | EXISTING UNDERGROUND POWER      | ⊗ | EXISTING WATER METER            |
| T    | T    | EXISTING TELEPHONE              | ⊗ | EXISTING WATER MANHOLE          |
| FO   | FO   | EXISTING FIBER OPTIC            | ⊗ | EXISTING SANITARY SEWER MANHOLE |
| CATV | CATV | EXISTING CABLE TV               | ⊗ | EXISTING CLEANOUT               |
| E    | E    | EXISTING IRRIGATION             | ⊗ | EXISTING STORM DRAIN DRYWELL    |
| BW   | BW   | EXISTING BLACK WATER            | ⊗ | EXISTING CATCH BASIN            |
| CL   | CL   | EXISTING CHLORINE               | ⊗ | EXISTING STORM DRAIN MANHOLE    |
| DS   | DS   | EXISTING DIGESTED SLUDGE        | ⊗ | EXISTING TELEPHONE MANHOLE      |
| EFF  | EFF  | EXISTING EFFLUENT               | ⊗ | EXISTING POWER MANHOLE          |
| IRR  | IRR  | EXISTING IRRIGATION             | ⊗ | EXISTING IRRIGATION MANHOLE     |
| FM   | FM   | EXISTING FORCE MAIN             | ⊗ | EXISTING GAS METER              |
| GW   | GW   | EXISTING GRAY WATER             | ⊗ | EXISTING GAS VALVE              |
| HW   | HW   | EXISTING HOT WATER SUPPLY       | ⊗ | EXISTING SIGN                   |
| IW   | IW   | EXISTING INDUSTRIAL WASTE       | ⊗ | EXISTING MARKER SIGN            |
| INF  | INF  | EXISTING INFLUENT               | ⊗ | EXISTING ANCHOR POLE            |
| GUY  | GUY  | EXISTING GUY LINE               | ⊗ | EXISTING PULL BOX               |
| RS   | RS   | EXISTING RAW SEWER              | ⊗ | EXISTING TELEPHONE PED          |
| SL   | SL   | EXISTING SLUDGE                 | ⊗ | EXISTING UTILITY POLE           |
| TBW  | TBW  | EXISTING TREATED BLACK WATER    | ⊗ | EXISTING LIGHT                  |
| TR   | TR   | EXISTING TREATED WATER          | ⊗ | EXISTING PEDESTRIAN/YARD LIGHT  |
| UD   | UD   | EXISTING UNDER DRAIN            | ⊗ | EXISTING TRAFFIC SIGNAL         |
| VENT | VENT | EXISTING VENT                   | ⊗ | EXISTING PUSH BUTTON SIGNAL     |
| WAS  | WAS  | EXISTING WASTE ACTIVATED SLUDGE | ⊗ | EXISTING WOOD POST              |
| SB   | SB   | EXISTING SEDIMENT FENCE         | ⊗ | EXISTING STEEL POST             |
|      |      |                                 | ⊗ | EXISTING HOSE BIB               |
|      |      |                                 | ⊗ | EXISTING SPRINKLER              |
|      |      |                                 | ⊗ | EXISTING STAND PIPE             |
|      |      |                                 | ⊗ | EXISTING WELL                   |
|      |      |                                 | ⊗ | EXISTING MAIL BOX               |
|      |      |                                 | ⊗ | EXISTING FLAG POLE              |
|      |      |                                 | ⊗ | EXISTING WIND MACHINE           |
|      |      |                                 | ⊗ | NEW HMA LIGHT SECTION           |
|      |      |                                 | ⊗ | NEW HMA HEAVY SECTION           |
|      |      |                                 | ⊗ | NEW CURB AND GUTTER             |
|      |      |                                 | ⊗ | NEW CEMENT CONCRETE SIDEWALK    |
|      |      |                                 | ⊗ | NEW PEDESTRIAN CURB RAMP        |
|      |      |                                 | ⊗ | NEW STORM DRAIN LINE            |
|      |      |                                 | ⊗ | NEW IRRIGATION LINE             |
|      |      |                                 | ⊗ | NEW ELECTRICAL LINE             |
|      |      |                                 | ⊗ | NEW MANHOLE/CATCH BASIN TYPE 2  |
|      |      |                                 | ⊗ | NEW CATCH BASIN TYPE 1          |
|      |      |                                 | ⊗ | NEW JUNCTION BOX                |
|      |      |                                 | ⊗ | NEW STREET LIGHT                |



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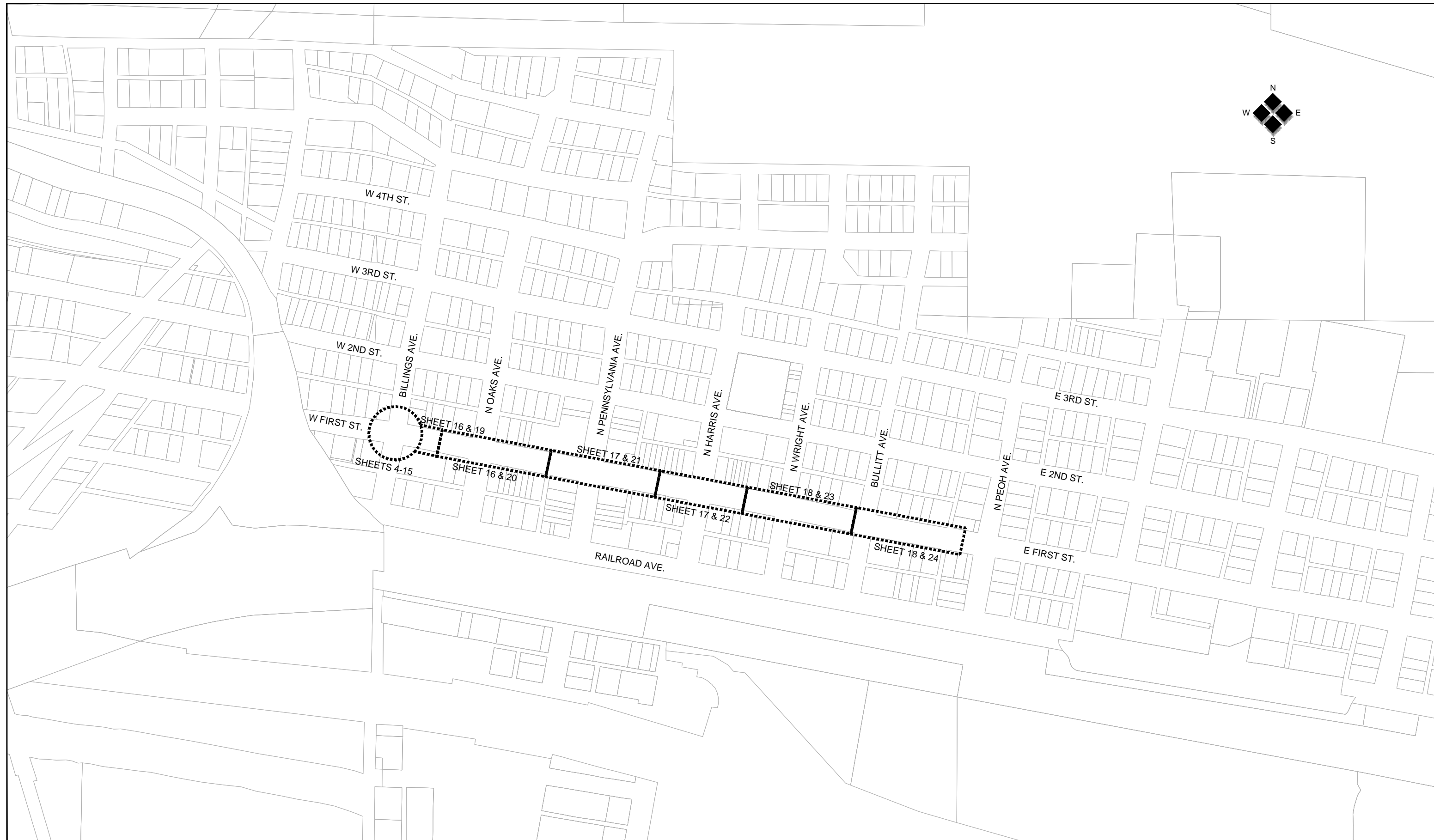
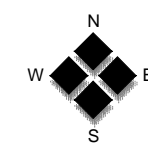
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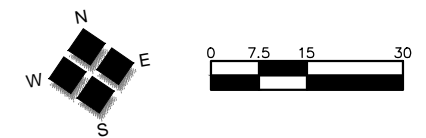
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**CITY OF CLE ELUM**  
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OVERALL SITE PLAN AND SHEET MAP

SHEET  
**3**  
 OF  
**28**



**LEGEND**

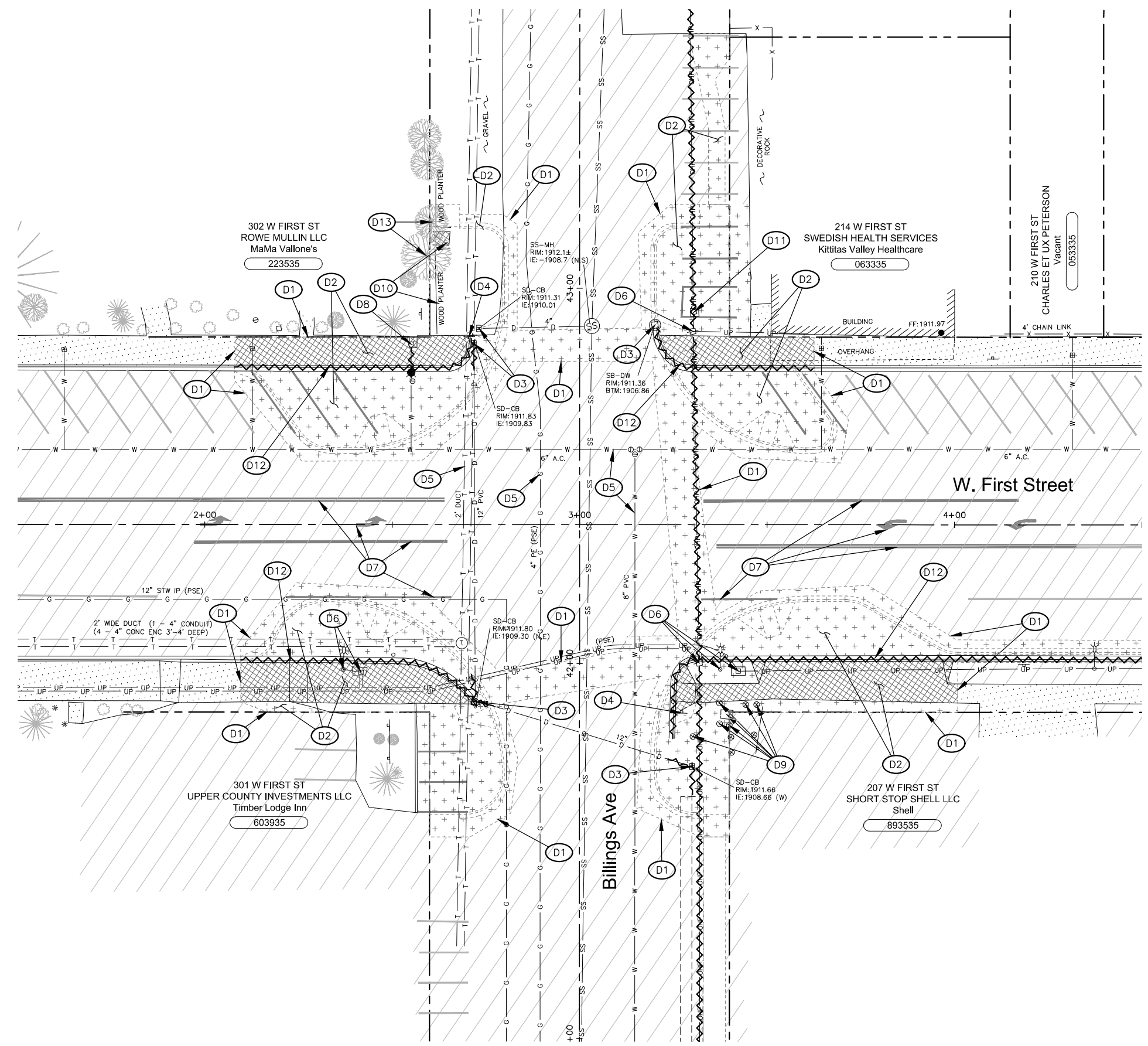
|  |  |  |  |
|--|--|--|--|
| EXISTING ASPHALT TO REMAIN                       |  | EXISTING CONCRETE TO BE REMOVED  |  |
| EXISTING CONCRETE TO REMAIN                      |  | EXISTING CURB, GUTTER, PIPE, STRUCTURES, AND OVERHEAD WIRE TO BE REMOVED |  |
| EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED |  | NEW IMPROVEMENTS (FOR REFERENCE ONLY)                                    |  |

**DEMOLITION NOTES:**

- (D1) SAWCUT FULL DEPTH AT MATCHLINE.
- (D2) REMOVE EXISTING SURFACE AND BASE MATERIAL NECESSARY TO CONSTRUCT NEW IMPROVEMENTS. CONTRACTOR TO PROVIDE SUBGRADE COMPACTION.
- (D3) REMOVE EXISTING DRAIN PIPE AND CATCH BASIN(S)/MANHOLE(S). ANY REMAINING PIPE OPENINGS SHALL BE FILLED WITH CONCRETE AND ABANDONED.
- (D4) EXISTING TRAFFIC SIGNS SHALL BE RELOCATED AND MAINTAINED UNTIL THEY ARE RELOCATED OR REPLACED WITH NEW.
- (D5) PROTECT EXISTING UTILITIES TO REMAIN.
- (D6) PSE TO REMOVE UTILITY POLE, STREET LIGHT, JUNCTION BOXES, AND OVERHEAD WIRE.
- (D7) REMOVE PAVEMENT MARKINGS AND APPLY FOG SEAL AT MARKING LOCATION. SEE SHEET 12.
- (D8) RELOCATE EXISTING FIRE HYDRANT TO NEW LOCATION. SEE SHEET 5.
- (D9) REMOVE CONCRETE FOUNDATION AND STEEL BOLLARDS.
- (D10) REMOVE RAILROAD TIES AND LANDSCAPING AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
- (D11) RELOCATE HANDHOLE TO LOCATION SHOWN ON SHEET 8.
- (D12) REMOVE EXISTING CURB, GUTTER AND BASE MATERIAL. CONTRACTOR TO PROVIDE SUBGRADE COMPACTION.
- (D13) REMOVE EXISTING VEGETATION WITHIN RIGHT OF WAY INCLUDING TREE/STUMPS. STUMPS MAY BE GROUND TO AN ELEVATION SIX INCHES BELOW SUBGRADE IN LIEU OF FULL REMOVAL. HERBICIDE SHALL BE APPLIED TO THE REMAINING STUMP TO ELIMINATE FUTURE GROWTH.

**NOTES:**

1. APPROXIMATE EXISTING ROADWAY MATERIALS: THE CONTRACTOR SHOULD BE MADE AWARE THAT FIRST STREET SURFACING AT THE EXISTING CURB LINE IS APPROXIMATELY 3" OF HMA OVER 8"-10" OF PCCP OVER CRUSHED SURFACING. SURFACING FROM CENTERLINE TO 10' FROM THE EXISTING CURB LINE IS APPROXIMATELY 5" OF HMA OVER 8"-10" OF PCCP OVER CRUSHED SURFACING. SURFACING BETWEEN 10' FROM THE CURB LINE TO THE EXISTING CURB LINE VARIES 5" TO 3" HMA OVER 8"-10" PCCP. HMA AND PCCP SHALL BE VERTICALLY SAWCUT FOR REMOVAL.
2. ALL REMOVAL INCLUDES DISPOSAL UNLESS OTHERWISE INDICATED ON PLANS OR AS DIRECTED BY ENGINEER.



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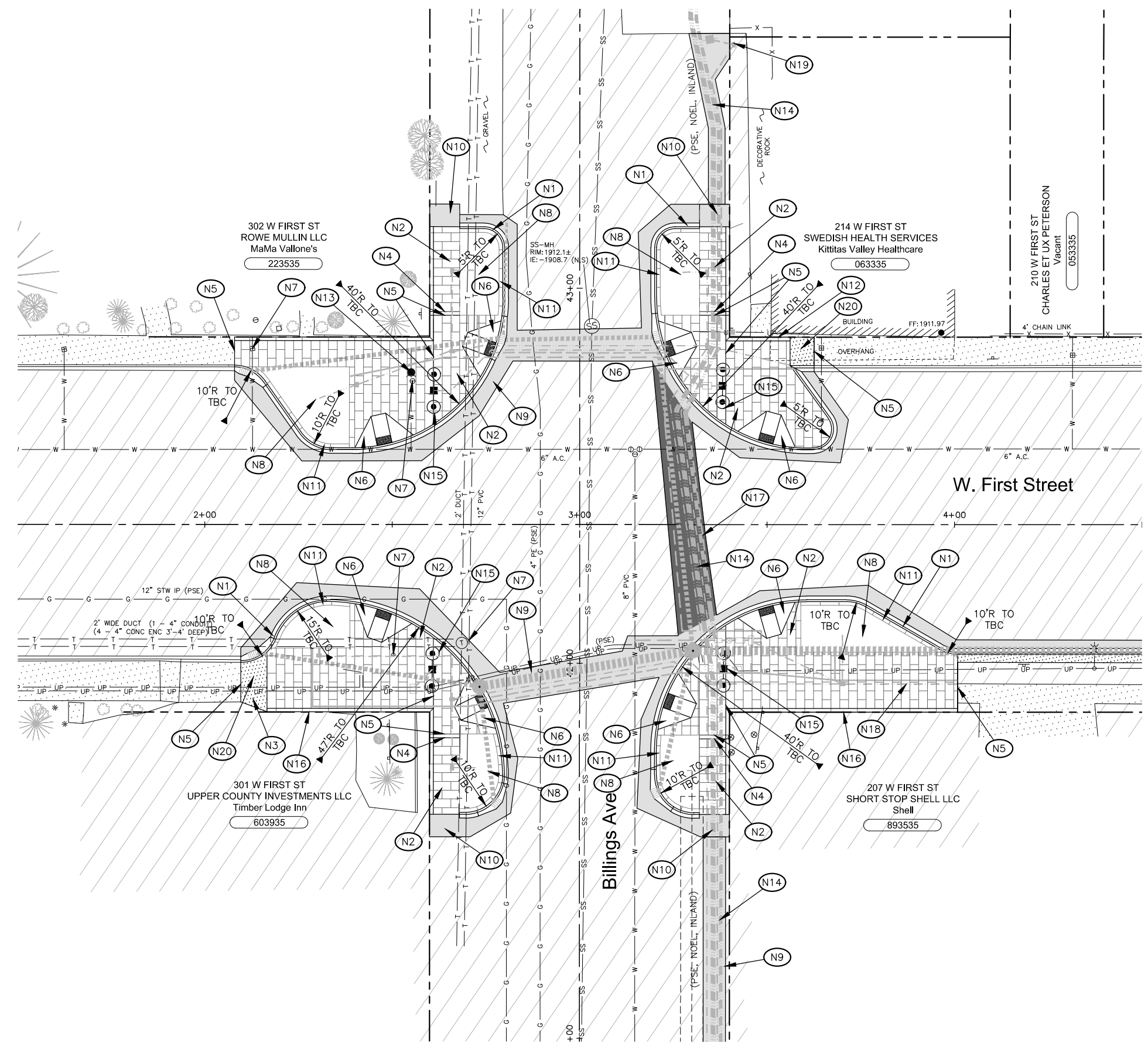
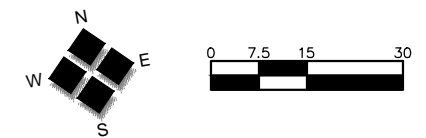
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**CITY OF CLE ELUM**  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

BILLINGS AVENUE DEMOLITION PLAN



**CONSTRUCTION NOTES:**

- (N1) CONSTRUCT CEMENT CONCRETE BARRIER CURB AND GUTTER PER DETAIL 1.1, SHEET 28.
- (N2) CONSTRUCT PATTERNED 4-INCH DEPTH CEMENT CONCRETE SIDEWALK PER DETAIL 1.3, 1.4, AND 1.5, SHEET 28 (MEDIUM BROOM FINISH PERPENDICULAR TO BACK OF CURB). SCORING AND JOINTS PER DETAIL 1.2, SHEET 28.
- (N3) CONSTRUCT 6-INCH DRIVEWAY SIDE SLOPE PER DETAIL 1.3 AND 3.4, SHEET 28.
- (N4) CONSTRUCT 12-INCH WIDE CEMENT CONCRETE DIVIDER STRIP (LIGHT BROOM FINISH PERPENDICULAR TO BACK OF CURB).
- (N5) EXPANSION JOINT PER DETAIL 1.4, SHEET 28.
- (N6) INSTALL CURB RAMP TYPE PERPENDICULAR A AND DETECTABLE WARNING SURFACE PER WSDOT F-40.15 AND F-45.10.
- (N7) ADJUST VALVE BOX/METER BOX/MONITORING WELL/MANHOLE TO FINISH GRADE.
- (N8) LANDSCAPE PLANTER PER PLANTING PLAN, SHEET 13.
- (N9) CONSTRUCT LIGHT ROADWAY SECTION PER DETAIL 2.1, SHEET 28.
- (N10) INSTALL HMA SIDEWALK RAMP PER DETAIL 2.5, SHEET 28.
- (N11) CONSTRUCT 12-INCH WIDE, 6-INCH DEPTH CEMENT CONCRETE SIDEWALK STRIP BETWEEN BACK OF CURB AND LANDSCAPE PLANTER (SMOOTH FINISH).
- (N12) CONSTRUCT 4-INCH DEPTH CEMENT CONCRETE SIDEWALK BAND ADJACENT TO BACK OF NEW PATTERNED SIDEWALK (SMOOTH FINISH), WIDTH VARIES, 2% MAX SLOPE AWAY FROM BUILDING/TOWARDS STREET.
- (N13) RELOCATE FIRE HYDRANT TO NEW LOCATION AND FINISH GRADE.
- (N14) SEE PRIVATE UTILITIES PLAN, SHEET 7 AND PSE OH TO UG CONVERSION PLAN SHEETS. COORDINATE WITH PSE CREWS/CONTRACTOR FOR OH TO UG CONVERSION.
- (N15) SEE PSE ILLUMINATION PLAN SHEETS, PROVIDE TRENCH EXCAVATION, POLE BASE EXCAVATION, 2" CONDUIT INSTALLATION, 18" TUBE INSTALLATION, AND INSTALLATION OF HAND HOLES PROVIDED BY PSE. COORDINATE WITH PSE CREWS/CONTRACTOR.
- (N16) CONSTRUCT 10-INCH DEPTH CEMENT CONCRETE THICKENED EDGE PER DETAIL 3.4, SHEET 28.
- (N17) CONSTRUCT HEAVY ROADWAY SECTION PER DETAIL 3.1, SHEET 28.
- (N18) TREE LIGHTING SYSTEM, SHEET 8.
- (N19) THREE PHASE SERVICE CONNECTION, SHEET 8.
- (N20) CONSTRUCT 4-INCH DEPTH CEMENT CONCRETE SIDEWALK PER DETAILS 1.3 AND 1.5, SHEET 28.



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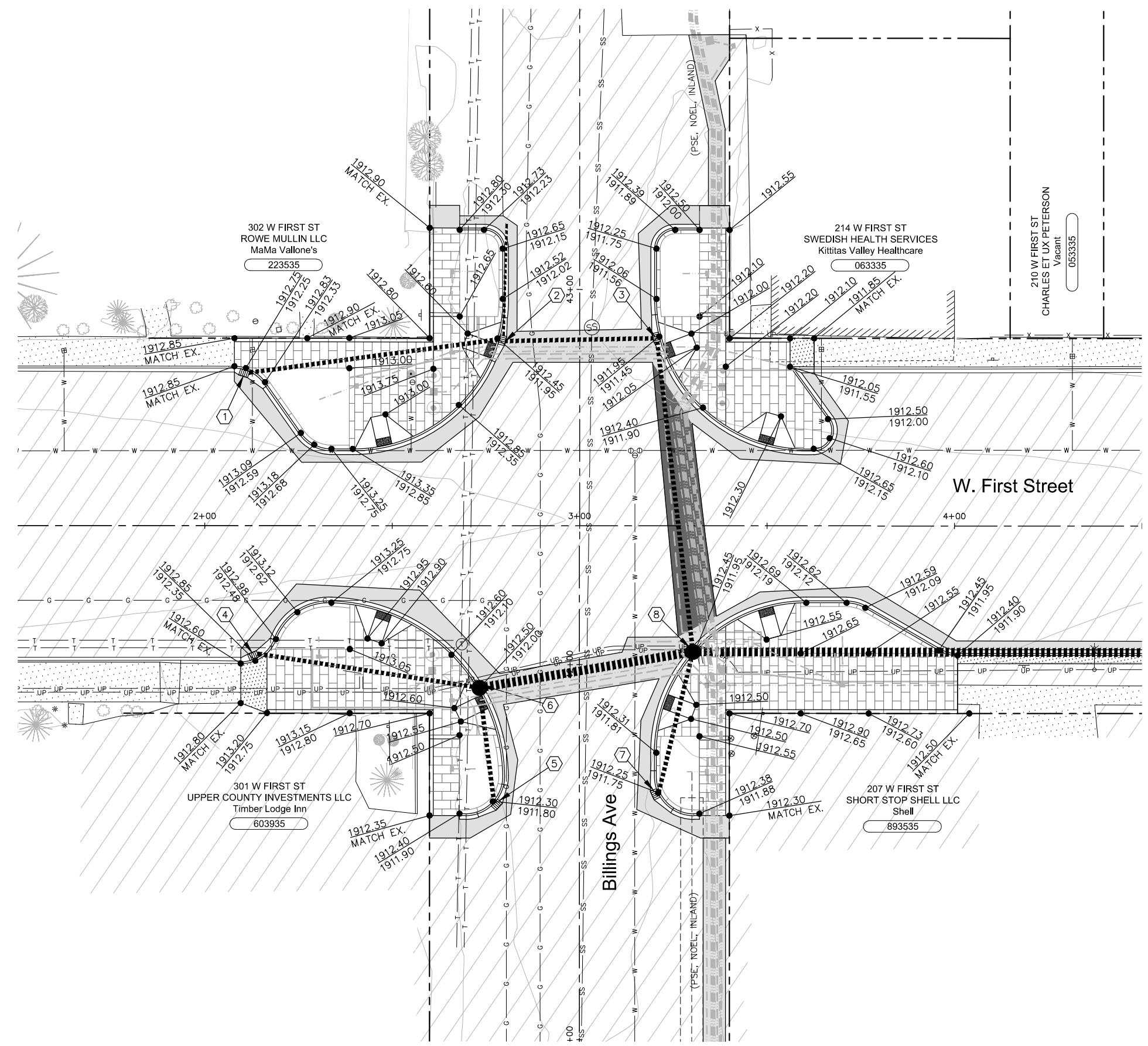
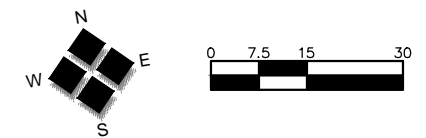
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**CITY OF CLE ELUM**  
**FIRST STREET STORMWATER AND BILLINGS AVENUE**  
**INTERSECTION IMPROVEMENTS**

BILLINGS AVENUE STREET IMPROVEMENT PLAN

SHEET  
**5**  
OF  
**28**

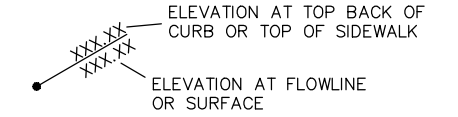
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**GENERAL NOTES:**

- # DRAINAGE STRUCTURE NOTES. SEE SHEET 26.
- 1. CONTRACTOR SHALL ADJUST ALL UTILITY VAULTS, VAULT COVERS, MANHOLES, ETC. TO FINISH GRADE.
- 2. CONTRACTOR SHALL POTHOLE EXISTING UTILITIES TO DETERMINE EXACT HORIZONTAL AND VERTICAL LOCATIONS AT HIS EXPENSE, TO ALLOW ADJUSTMENTS PRIOR TO CONSTRUCTION.
- 3. ALL ELEVATIONS ARE TO FINISH GRADE. CONTRACTOR SHALL CALCULATE SUBGRADE ELEVATIONS.
- 4. ANY SURFACE IMPROVEMENTS WHICH MUST BE REMOVED IN ORDER TO COMPLETE THE WORK SHOWN ON THESE PLANS SHALL BE INCLUDED AS PART OF THE REMOVAL OF STRUCTURES AND OBSTRUCTIONS AT NO ADDITIONAL COST TO THE OWNER REGARDLESS OF WHETHER OR NOT SUCH REMOVAL IS SHOWN ON THE PLANS.
- 5. GRADE CONTROL CRITERIA FOR SIDEWALK PLACEMENT:
  - CROSS SLOPE GRADE SHALL BE STRAIGHT LINE GRADE BETWEEN BACK OF SIDEWALK TO TOP OF NEW CURB (EXCEPT AS NOTED ON THE PLANS WITH INTERMEDIATE SPOT ELEVATIONS).
  - SIDEWALK SHALL BE SLOPED TO DRAIN TOWARDS CURB EXCEPT WHERE DIRECTED OTHERWISE.
  - CROSS SLOPE OF SIDEWALKS SHALL BE 2% MAXIMUM.
- 6. SEE SHEETS 25 AND 26 FOR DRAINAGE STRUCTURE NOTES AND DETAILS.

**NOTE:**



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**CITY OF CLE ELUM**  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

BILLINGS AVENUE GRADING AND DRAINAGE PLAN

SHEET  
**6**  
OF  
**28**

| REVISION | DATE |
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**UTILITY NOTES:**

PSE POWER

- (N1) INSTALL VAULT SUPPLIED BY PSE.
- (N2) INSTALL 6" DB120 CONDUIT SUPPLIED BY PSE BETWEEN EXISTING POLE P04 AND NEW VAULT. PSE TO INSTALL CONDUCTOR.
- (N3) INSTALL TWO 6" DB120 CONDUIT SUPPLIED BY PSE BETWEEN EXISTING POLES P03 AND P04. PSE TO INSTALL CONDUCTOR.
- (N4) INSTALL 3" DB120 CONDUIT SUPPLIED BY PSE TO SPLICE LOCATION. PSE TO INSTALL CONDUCTOR.

NOEL COMMUNICATIONS

- (N5) INSTALL 2" CONDUIT SUPPLIED BY NOEL BETWEEN EXISTING POLES P03 AND P04.

INLAND NETWORKS

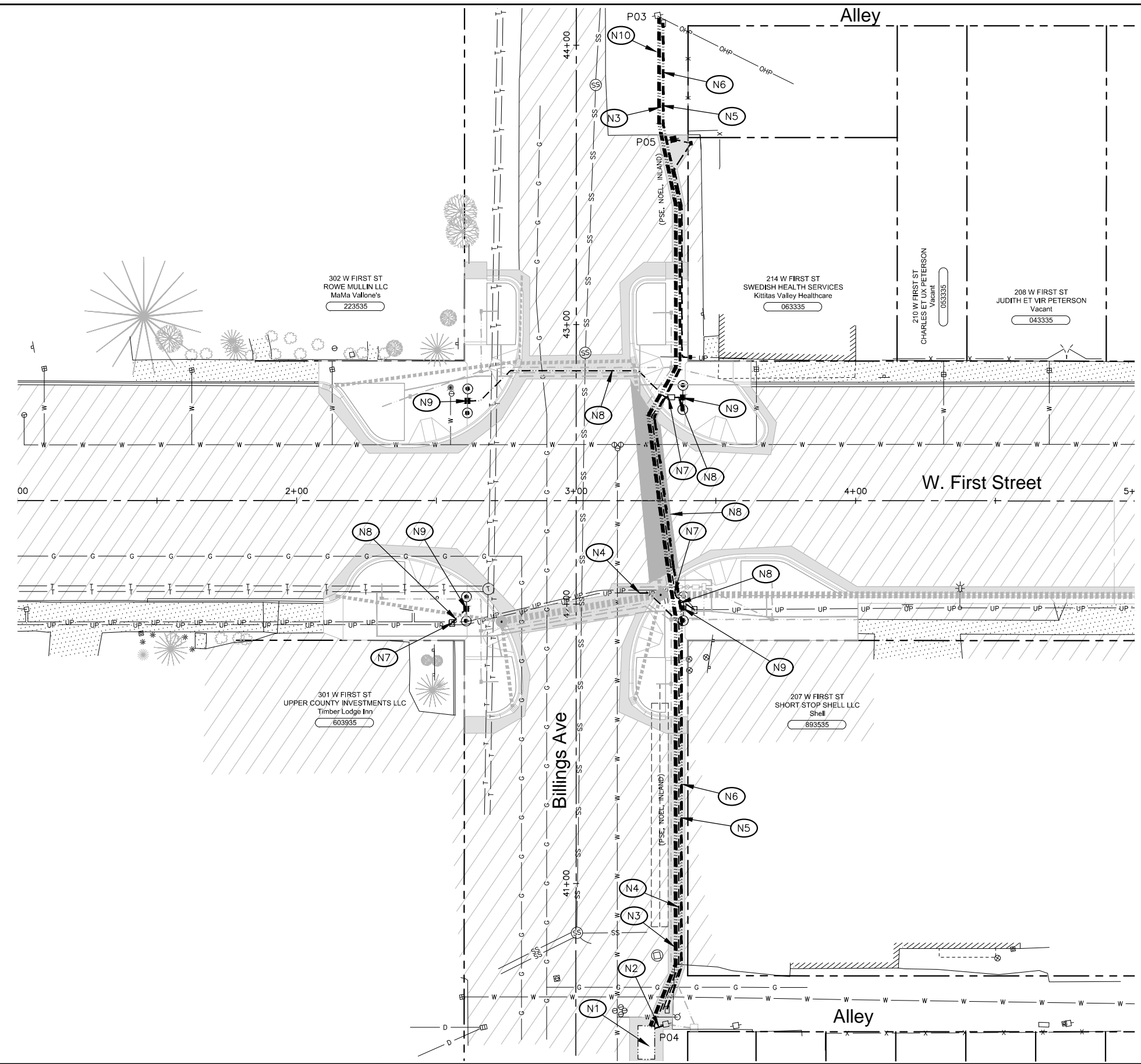
- (N6) INSTALL TWO 2" CONDUIT SUPPLIED BY INLAND BETWEEN EXISTING POLES P03 AND P04.

PSE ILLUMINATION

- (N7) INSTALL COMPOSITE HANDHOLE SUPPLIED PSE.
- (N8) INSTALL 2" CONDUIT SUPPLIED BY PSE.
- (N9) INSTALL STREET LIGHT TUBES AND PLUMB IN CONDUITS. SEE APPENDIX F.
- (N10) INSTALL 2" CRUSHED SURFACING TOP COURSE FULL WIDTH OF TRENCH FOLLOWING CONSTRUCTION.

NOTES (SEE APPENDIX F):

1. SEE PSE POWER UNDERGROUND CONVERSION PLANS (2 SHEETS) FOR MORE INFORMATION.
2. SEE PSE ILLUMINATION PLAN (1 SHEET) FOR MORE INFORMATION.



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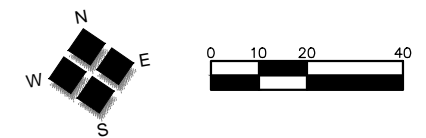
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**CITY OF CLE ELUM**  
**FIRST STREET STORMWATER AND BILLINGS AVENUE**  
**INTERSECTION IMPROVEMENTS**

BILLINGS AVENUE PRIVATE UTILITIES PLAN

SHEET  
**7**  
OF  
**28**



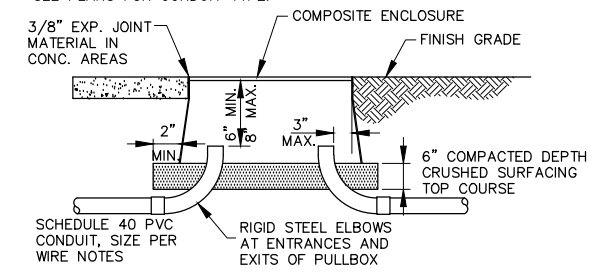
**ELECTRICAL NOTES:**

- (N1) RELOCATE HANDHOLE TO NEW LOCATION AND INTERCEPT EXISTING 3" DIA. CONDUIT/CONDUCTOR.
- (N2) INSTALL HANDHOLE HH1 SUPPLIED BY PSE.
- (N3) INSTALL 3" DB120 CONDUIT TO NEW HANDHOLE HH1. INSTALL THREE PHASE CONDUCTOR AND MAKE CONNECTION TO EXISTING, CONTRACTOR TO MATCH CONDUCTOR SIZE.
- (N4) INSTALL SERVICE CABINET TYPE B MODIFIED (0-200 AMP TYPE 120/240 VOLT SINGLE PHASE), PER WSDOT STANDARD PLAN J-10.20, WITH SINGLE POST MOUNT.
- (N5) INSTALL 10" x 15" x 12"D COMPOSITE ENCLOSURE/PULL BOX, MEDIUM DUTY, FLARED, FLUSH SOLID, WITH SLIP RESISTANT LID AND LOCKING NUT.
- (N6) INSTALL 15 AMP GFCI RECEPTACLE IN WEATHERPROOF HOUSING, FOR IRRIGATION CONTROLLER. SECURE HOUSING TO IRRIGATION BOX WALL.

**RUN NO. 5 NOTE:**

PROVIDE CIRCUIT IN PVC CONDUIT FROM COMPOSITE ENCLOSURE TO 1' INSIDE OF PLANTER. SPLICE CONDUCTORS AND ROUTE UP TREE (ON THE STREET SIDE OF THE TREE) IN LIQUIDTIGHT FLEXIBLE METAL CONDUIT (USING A PRODUCT APPROVED FOR UNDERGROUND USE) ABOVE GRADE TO WEATHERPROOF DEVICE BOX WITH IN-USE COVER THAT CONTAINS A NEMA 5-20R GFCI CORROSION-RESISTANT CONVENIENCE RECEPTACLE. MOUNT DEVICE BOX AT LEAST 8 FEET ABOVE GRADE PER CODE REQUIREMENTS. ATTACH CONDUIT AND DEVICE BOX TO TREE TRUNK USING TIE WRAPS.

NOTE:  
GROUND ROD FOR PVC CONDUIT OR NO. 8 AWC BONDING JUMPER FOR METAL CONDUIT (RIGID) REQUIRED AT EACH PULLBOX. SEE PLANS FOR CONDUIT TYPE.



**SERVICE NOTE**

SERVICE (PSE): CONTRACTOR SHALL PROVIDE AND INSTALL CONDUIT FROM THE SERVICE CABINET TO THE EXISTING POWER POLE AT STA. 40+50 RT. INCLUDING THE FIRST 10' OF CONDUIT UP THE POLE. THE CONTRACTOR SHALL INSTALL CONDUCTOR FROM THE SERVICE CABINET TO THE POLE INCLUDING ENOUGH CONDUCTOR FOR CONNECTION TO THE TRANSFORMER, AND COILED AT TOP OF 10' RISER. ADDITIONAL CONDUIT SHALL BE SUPPLIED BY THE CONTRACTOR FOR PSE INSTALLATION TO TRANSFORMER. CONTRACTOR SHALL COORDINATE CONDUIT INSPECTION, CONNECTION AND TURN-ON WITH PSE.

**GENERAL NOTE**

ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO WSDOT STANDARD PLANS AND SPECIFICATIONS.

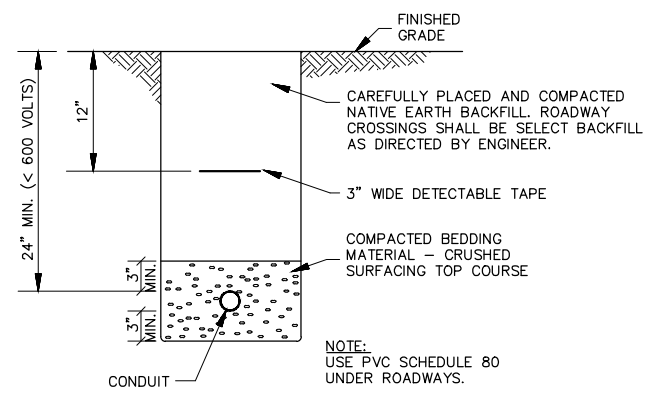
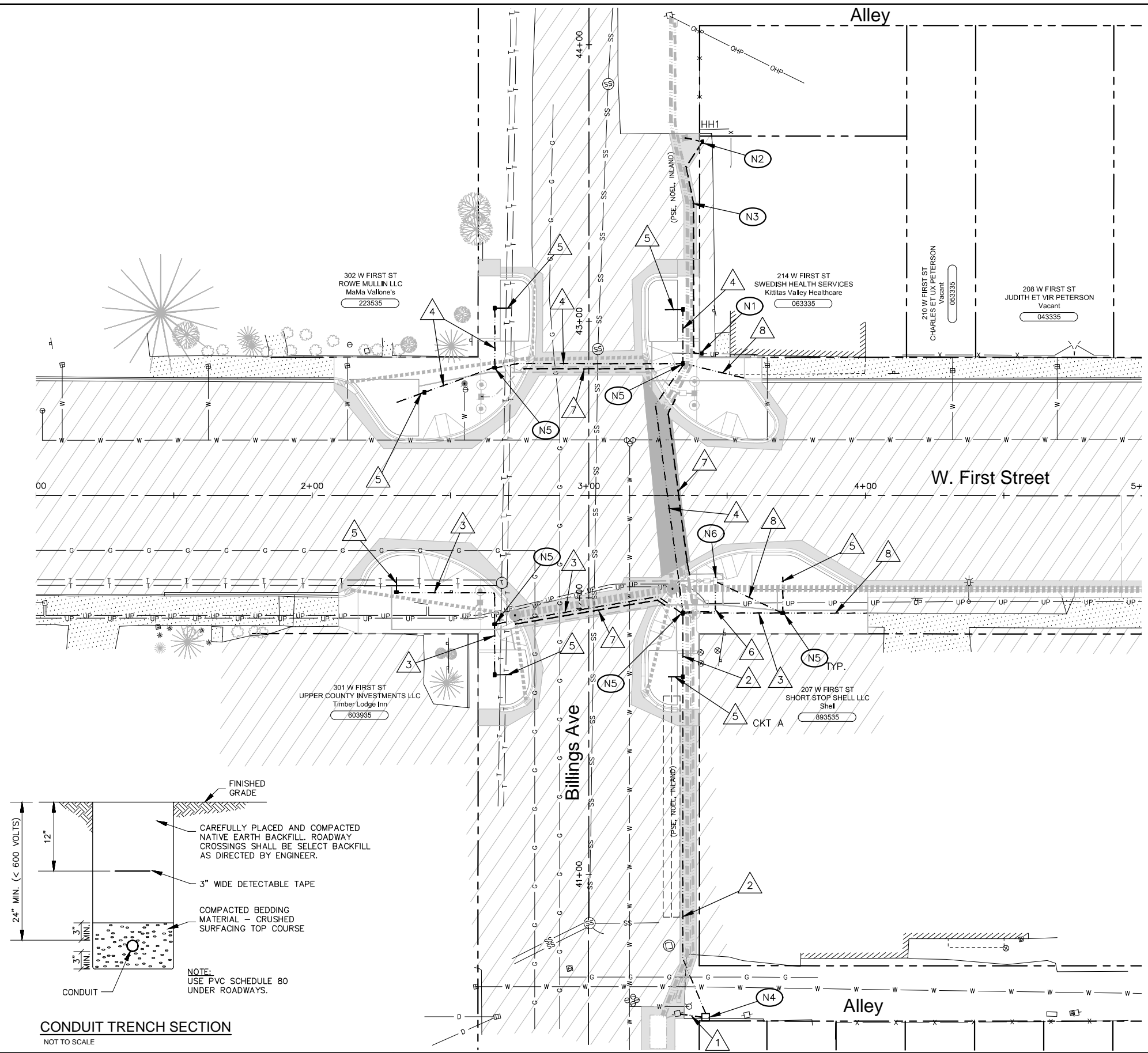
**CONDUIT ENTRANCE AT PULLBOX**

NOT TO SCALE

| CIRCUIT SCHEDULE |   |
|------------------|---|
| CIRCUIT NAME     | DESCRIPTION                               |
| A                | FIRST STREET SOUTH SIDE STREET TREE GFCIs |
| B                | FIRST STREET NORTH SIDE STREET TREE GFCIs |
| C                | IRRIGATION CONTROLLER - 12 STATION        |

| WIRE NOTES |         |                           |                         |
|------------|---------|---------------------------|-------------------------|
| RUN NO.    | CONDUIT | CONDUCTORS                | REMARKS                 |
| 1          | 3"      | 2#6, 1#6 G                | SERVICE                 |
| 2          | 3"      | 2#6, 1#6 G<br>2#6<br>2#10 | CKT A<br>CKT B<br>CKT C |
| 3          | 2"      | 2#6, 1#6 G                | CKT A                   |
| 4          | 2"      | 2#6, 1#6 G                | CKT B                   |
| 5          | 1"      | 2#10, 1#10 G              | TO GFCI                 |
| 6          | 1"      | 2#10, 1#10 G              | CKT C                   |
| 7          | 3"      |                           | SPARE*                  |
| 8          | 2"      |                           | SPARE*                  |

\*INSTALL PULL STRING AND CAPS AT ENDS.



**CONDUIT TRENCH SECTION**  
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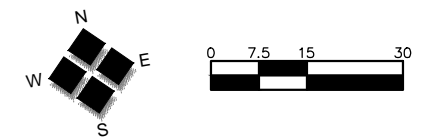
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**CITY OF CLE ELUM**  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

BILLINGS AVENUE ELECTRICAL PLAN

SHEET  
**8**  
OF  
**28**





**IRRIGATION LEGEND**

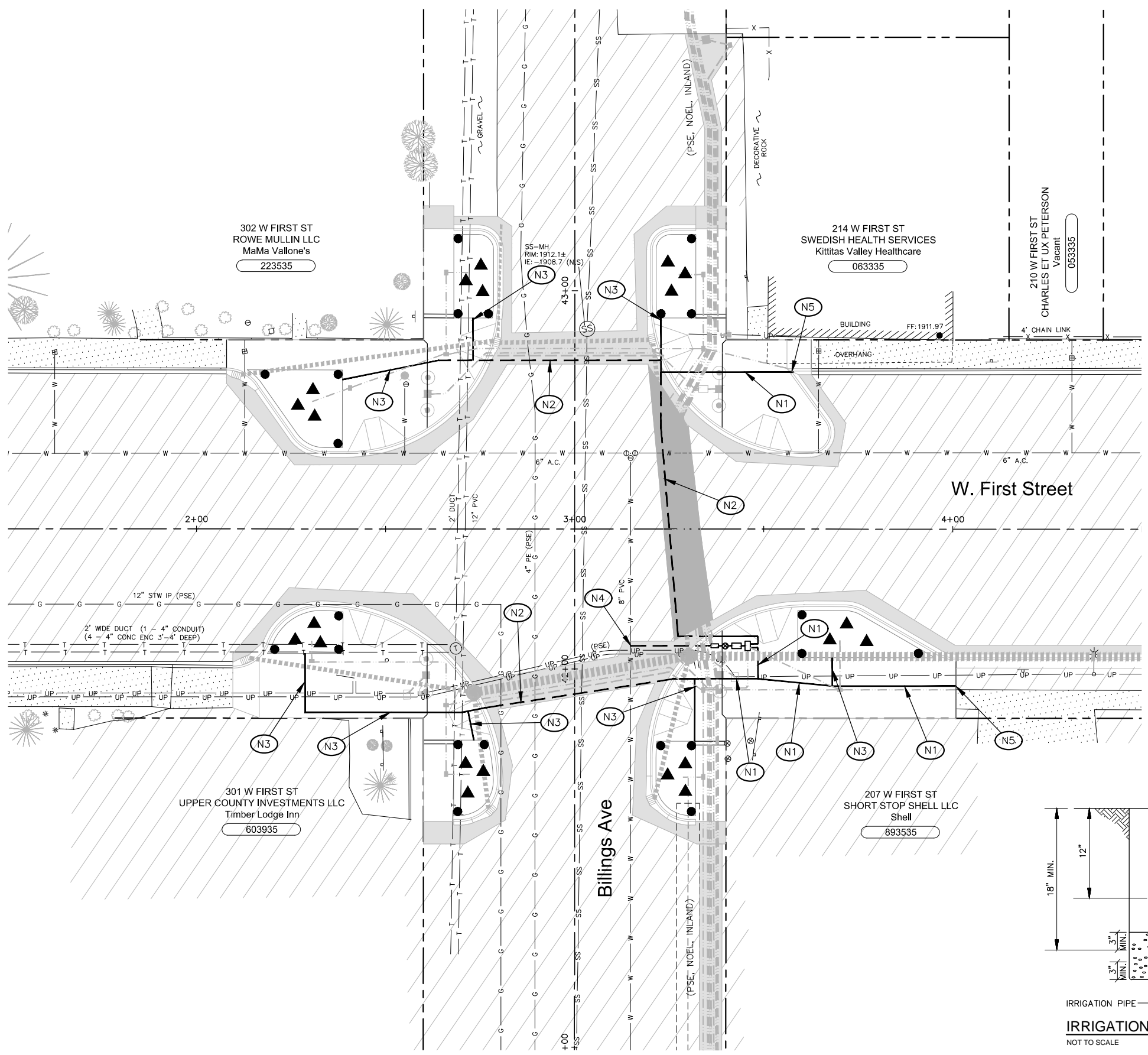
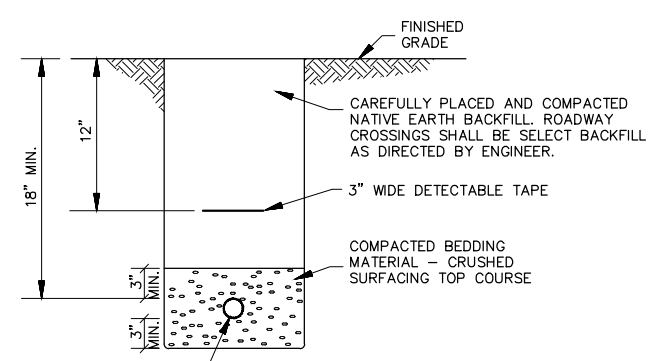
- 2" IRRIGATION LINE (SCH. 40 PVC).
- - - 2" LATERAL IN 3" SCH. 80 PVC CASING.
- ▲ INSTALL THREE (3) TREE WELL RISERS PER TREE PLANTER, EQUALLY SPACED, SEE DETAIL A, SHEET 11.
- POP-UP SPRAY HEAD W/ 15' RADIUS NOZZLE. SELECT APPROPRIATE VARIABLE ARC NOZZLE TO FIT PLANTING AREA (RADIUS NOZZLE SHOWN IN PLAN VIEW), SEE DETAIL C, SHEET 11.

**IRRIGATION NOTES:**

- (N1) 2" IRRIGATION LINE.
- (N2) 2" IRRIGATION LINE IN 3" SCH. 80 PVC CASING.
- (N3) 1" IRRIGATION LINE.
- (N4) IRRIGATION POINT OF CONNECTION. INSTALL NEW 12" X 2" SADDLE, SERVICE TAP 2" CORP STOP, 2" PEX WATER SERVICE LINE, CONNECT TO NEW 1" METER BOX. INSTALL ASSEMBLY AS SHOWN ON SHEET 11.
- (N5) CAP FOR FUTURE EXTENSION.

**GENERAL NOTES:**

1. DRAWING IS SCHEMATIC, IRRIGATION PIPE & SLEEVES SHALL GENERALLY BE INSTALLED IN STRAIGHT LINES. REVIEW IRRIGATION TRENCH LOCATIONS WITH ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
2. ALL IRRIGATION SYSTEM COMPONENTS SHALL BE PROVIDED BY A SINGLE MANUFACTURER.



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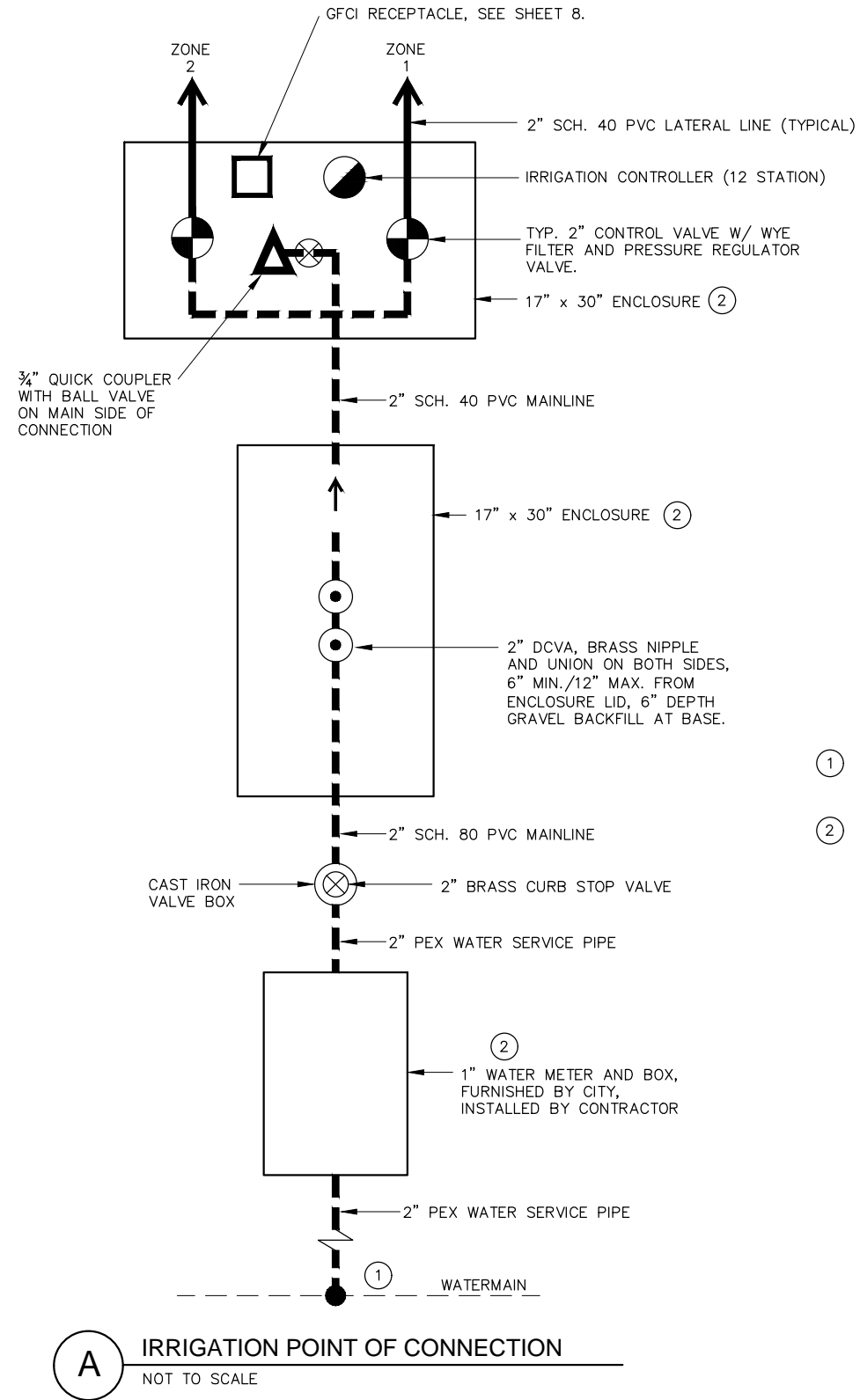
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**CITY OF CLE ELUM**  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

BILLINGS AVENUE IRRIGATION PLAN

SHEET  
**9**  
OF  
**28**



### LEGEND

- 2" MAINLINE (SCH. 40 PVC)
- 2" ZONE LINE (SCH. 40 PVC)
- 2" AUTOMATIC CONTROL VALVE W/ WYE FILTER & PRESSURE REDUCING VALVE, SEE DETAIL B, SHEET 11.
- IRRIGATION CONTROLLER (12 STATIONS WITH REMOTE). INSTALL PER MANUFACTURER'S RECOMMENDATIONS. MOUNT TO SIDE OF ENCLOSURE WITH HINGE SO FACE OF CONTROLLER IS ACCESSIBLE FROM TOP OF ENCLOSURE.
- ▲ QUICK COUPLER VALVE - 3/4", SEE DETAIL D, SHEET 11.

#### NOTES:

- ① CONNECTION TO EXISTING WATER MAIN WITH DUAL STAINLESS STEEL STRAPS SERVICE SADDLE.
- ② ENCLOSURE SHALL BE COMPOSITE ENCLOSURE/PULL BOX, MEDIUM DUTY, FLARED, FLUSH SOLID, WITH SLIP RESISTANT LID AND LOCKING NUT.

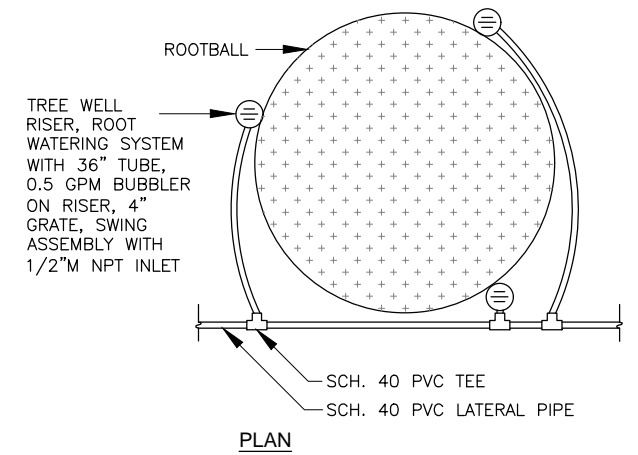
### IRRIGATION CONTROLLER ZONES

- ZONE 1 - SOUTH SIDE
- ZONE 2 - NORTH SIDE

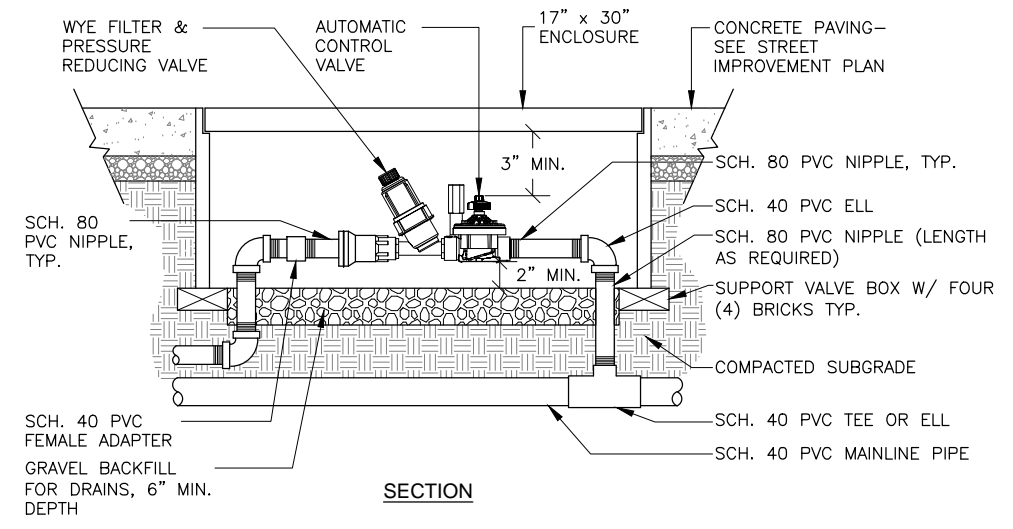
### NOTES

- 1. AIR BLOW IRRIGATION SYSTEM THROUGH QUICK COUPLERS TO WINTERIZE IRRIGATION SYSTEM (SPRAY HEADS). DRIP EMITTER TUBING SHALL BE WINTERIZED BY OPENING MANUAL DRAIN VALVES.
- 2. ALL IRRIGATION PIPE INSTALLED UNDER ASPHALT PAVEMENT SHALL BE PLACED WITHIN SCHEDULE 80 PVC CASINGS.

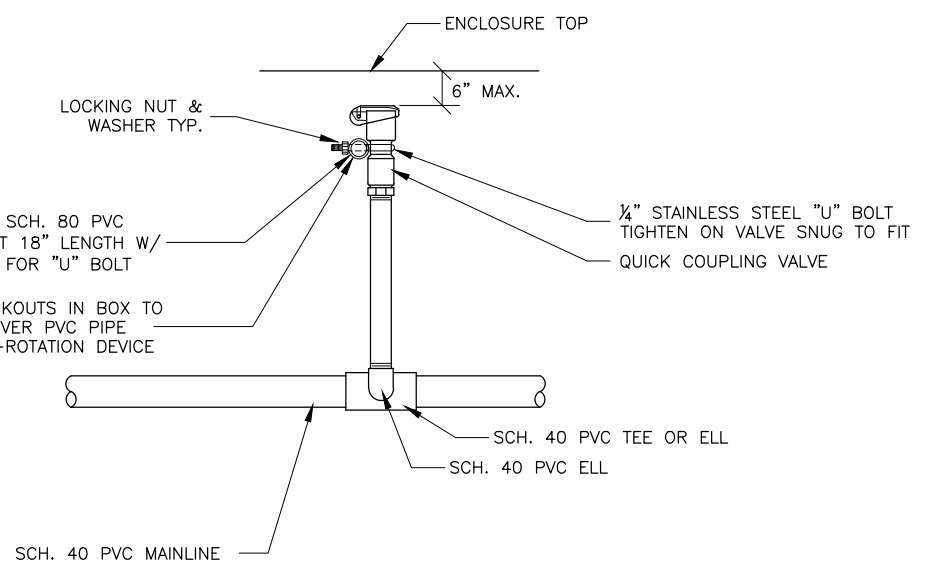
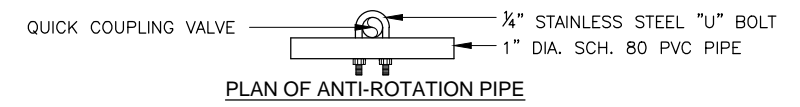
**NOTES:**  
 1. INSTALL RISER GRATE, TOP TO FINISH MULCH GRADE.  
 2. INSTALL THREE (3) RISERS PER TREE.  
 3. ABOUT IRRIGATION BUBBLERS TO TREE ROOTBALL.



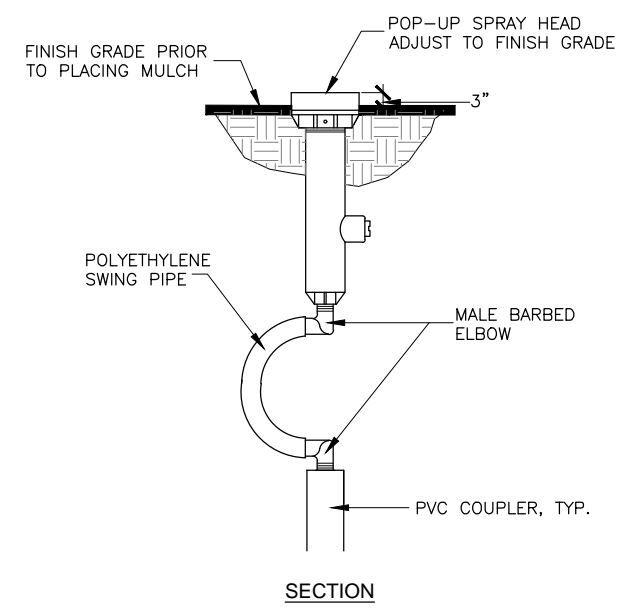
**A** PLANTER ROOT WATERING DETAIL  
 NOT TO SCALE



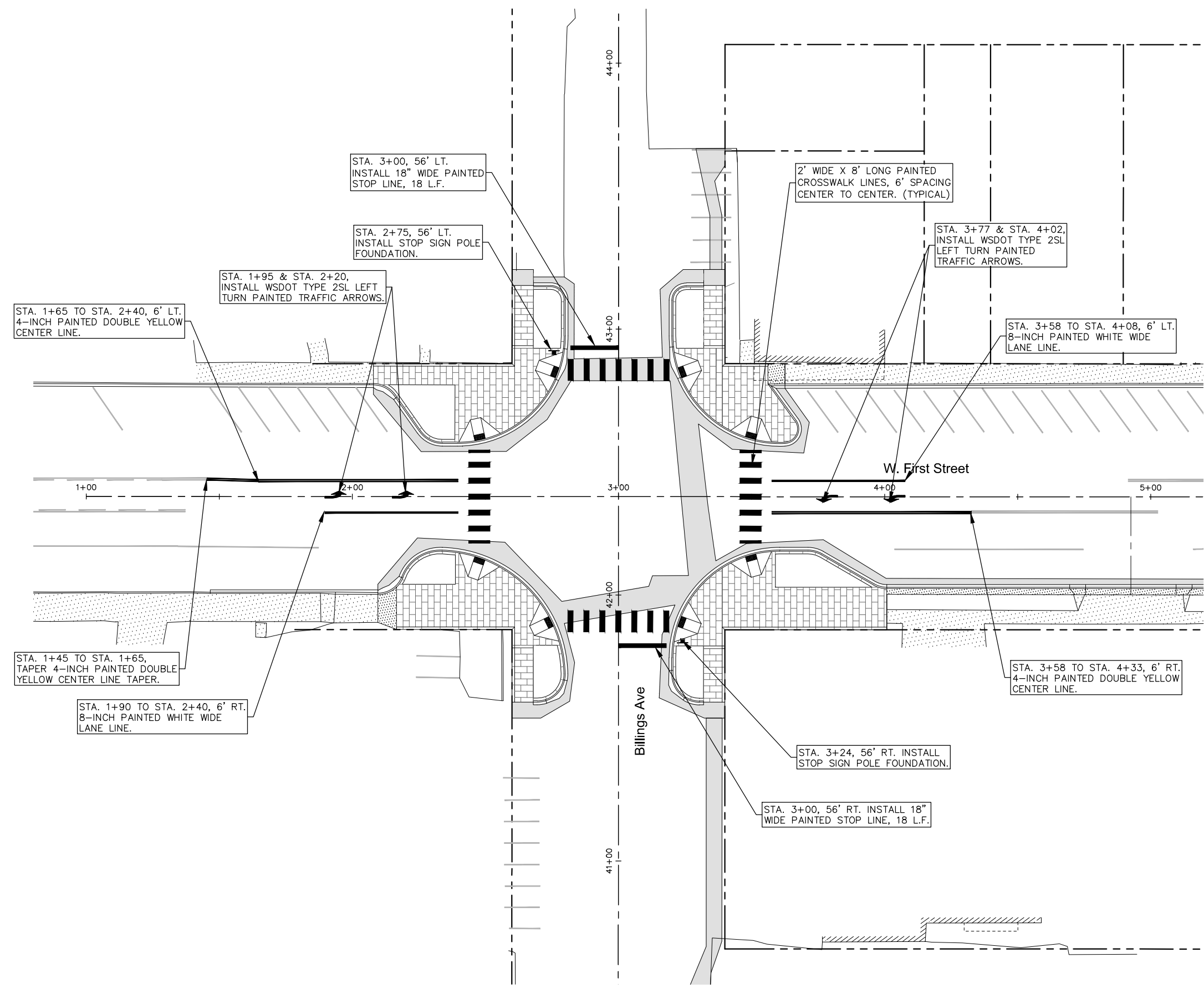
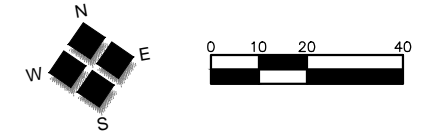
**B** AUTOMATIC CONTROL VALVE ASSEMBLY W/ DISC FILTER  
 NOT TO SCALE



**D** MANUAL CONTROL VALVE AND QUICK COUPLING VALVE  
 NOT TO SCALE



**C** POP-UP SPRAY HEAD W/ POLY SWING ASSY.  
 NOT TO SCALE



STA. 1+65 TO STA. 2+40, 6' LT. 4-INCH PAINTED DOUBLE YELLOW CENTER LINE.

STA. 1+95 & STA. 2+20, INSTALL WSDOT TYPE 2SL LEFT TURN PAINTED TRAFFIC ARROWS.

STA. 2+75, 56' LT. INSTALL STOP SIGN POLE FOUNDATION.

STA. 3+00, 56' LT. INSTALL 18" WIDE PAINTED STOP LINE, 18 L.F.

2' WIDE X 8' LONG PAINTED CROSSWALK LINES, 6' SPACING CENTER TO CENTER. (TYPICAL)

STA. 3+77 & STA. 4+02, INSTALL WSDOT TYPE 2SL LEFT TURN PAINTED TRAFFIC ARROWS.

STA. 3+58 TO STA. 4+08, 6' LT. 8-INCH PAINTED WHITE WIDE LANE LINE.

1+00 2+00 3+00 4+00 5+00

W. First Street

42+00 43+00 44+00

Billings Ave

STA. 1+45 TO STA. 1+65, TAPER 4-INCH PAINTED DOUBLE YELLOW CENTER LINE TAPER.

STA. 1+90 TO STA. 2+40, 6' RT. 8-INCH PAINTED WHITE WIDE LANE LINE.

STA. 3+58 TO STA. 4+33, 6' RT. 4-INCH PAINTED DOUBLE YELLOW CENTER LINE.

STA. 3+24, 56' RT. INSTALL STOP SIGN POLE FOUNDATION.

STA. 3+00, 56' RT. INSTALL 18" WIDE PAINTED STOP LINE, 18 L.F.

- NOTES:**
- CROSSWALKS SHALL BE INSTALLED PER WSDOT STANDARD PLAN M-15.10.
  - LONGITUDINAL MARKINGS SHALL BE INSTALLED PER WSDOT STANDARD PLAN M-20.10.
  - TRAFFIC ARROWS SHALL BE INSTALLED PER WSDOT STANDARD PLAN M-24.40.
  - ALL PAINTED MARKINGS SHALL INCLUDE TWO COATS.
  - SIGNS SHALL BE INSTALLED AND LOCATED IN ACCORDANCE WITH MUTCD GUIDELINES AND REQUIREMENTS, AND WSDOT STANDARD PLAN G-20.10.
  - SEE DETAIL 2.4, SHEET 28, FOR SIGN POLE FOUNDATION.

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**PRELIMINARY**  
SUBJECT TO REVISION

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| CDBG NO. 17-62210-044 |                 | JOB NUMBER: 17089   | DATE: 3-29-19 |
| FHWA NO. STPR-0903    |                 | FILE NAMES:         |               |
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|                       |                 | PLAN: 17089.dwg     |               |
|                       |                 | PROFILE: 17089.dwg  |               |
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| REVISION              | DATE            |                     |               |

**CITY OF CLE ELUM**  
FIRST STREET STORMWATER AND BILLINGS AVENUE INTERSECTION IMPROVEMENTS

BILLINGS AVENUE SIGNING AND MARKING PLAN

SHEET 12 OF 28

223535 302 W FIRST ST  
MaMa Vallone's

**GENERAL NOTE**

1. SEE SHEET 14 FOR PLANT SCHEDULE, LEGEND, NOTES AND ABBREVIATIONS.

063335 214 W FIRST ST  
Kittitas Valley Healthcare

DECIDUOUS TREE PLANTING & SOIL PREPARATION DETAIL, TYP 1.1 15

ROOT BARRIER, TYP

EXISTING TREE, TYP

RELOCATED FIRE HYDRANT—SEE CIVIL

BENCH, TYP

TRASH RECEPTACLE, TYP

W. First Street

GROUNDCOVER & SHRUB PLANTING, TYP 1.2 15

PEDESTRIAN LIGHT, TYP

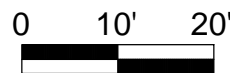
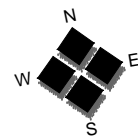
ROW, TYP

STOP SIGN POLE, TYP - SEE CIVIL

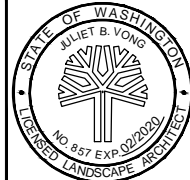
603935 301 W FIRST ST  
Timber Lodge Inn

893535 207 W FIRST ST  
Shell

Billings Ave



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**CITY OF CLE ELUM**  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

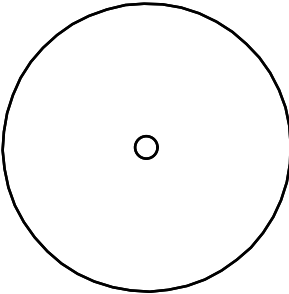



PLANTING AND URBAN DESIGN PLAN

SHEET  
13  
OF  
28

REVISION

DATE

**PLANTING SCHEDULE**

| SYM   | QTY | SCIENTIFIC/COMMON NAME   | SIZE/REMARKS   |
|---|-----|--|--|
| <u>TREES</u>  |     |  |  |
|  | 7   | Acer Rubrum 'Frank Jr.' PP 16769/<br>REDPOINTE ® MAPLE                 | 2-1/2" CAL; B&B; FULL, WELL ROOTED, & WELL BRANCHED;<br>"STREET TREE GRADE"; MIN 6' BRANCHING HT |
| <u>SHRUBS/GROUNDCOVERS</u>  |     |  |  |
|  | 73  | Cornus Sericea 'Kelsey'/<br>KELSEYI DOGWOOD                            | 2 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED  |
|  | 305 | Rudbeckia Fulgida 'Goldstrum'/<br>BLACK EYED SUSAN                     | 1 GAL CONT; FULL, WELL ROOTED  |
|  | 331 | Arctostaphylos Uva-Ursi 'Woods Compact'/<br>WOODS COMPACT KINNIKINNICK | 1 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED  |


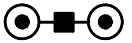




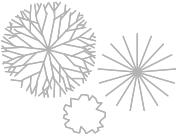
**NOTES**

1. ANY DISCREPANCIES WITH THE DWG AND/OR SPECS & SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
3. PLANT MATERIAL LOCATIONS SHALL BE COORDINATED WITH IRRIGATION EQUIPMENT LOCATIONS TO AVOID ANY CONFLICT.

**ABBREVIATIONS**

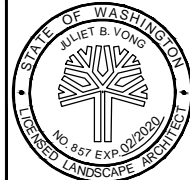
|         |                |
|---------|----------------|
| %       | PERCENT        |
| &       | AND            |
| B&B     | BALL & BURLAP  |
| CAL     | CALIPER        |
| CL      | CENTER LINE    |
| CONC    | CONCRETE       |
| CONT    | CONTAINER      |
| DIA     | DIAMETER       |
| DWG(S)  | DRAWING        |
| EX      | EXISTING       |
| GAL     | GALLON         |
| HT      | HEIGHT         |
| MAX     | MAXIMUM        |
| MIN     | MINIMUM        |
| #/NO.   | NUMBER         |
| QTY     | QUANTITY       |
| SF      | SQUARE FEET    |
| SPEC(S) | SPECIFICATIONS |
| SYM     | SYMBOL         |
| TYP     | TYPICAL        |

**LEGEND**

|   |                                  |
|---|----------------------------------|
|    | ROOT BARRIER                     |
|    | PEDESTRIAN LIGHT - SEE CIVIL DWG |
|    | STOP SIGN POLE - SEE CIVIL DWG   |
|  | TRASH RECEPTACLE - SEE CIVIL DWG |
|  | BENCH - SEE CIVIL DWG            |
|  | FIRE HYDRANT - SEE CIVIL DWG     |
|  | EXISTING TREE - SEE CIVIL DWG    |



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**CITY OF CLE ELUM**  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

PLANTING SCHEDULE, NOTES, ABBREVIATIONS & LEGEND

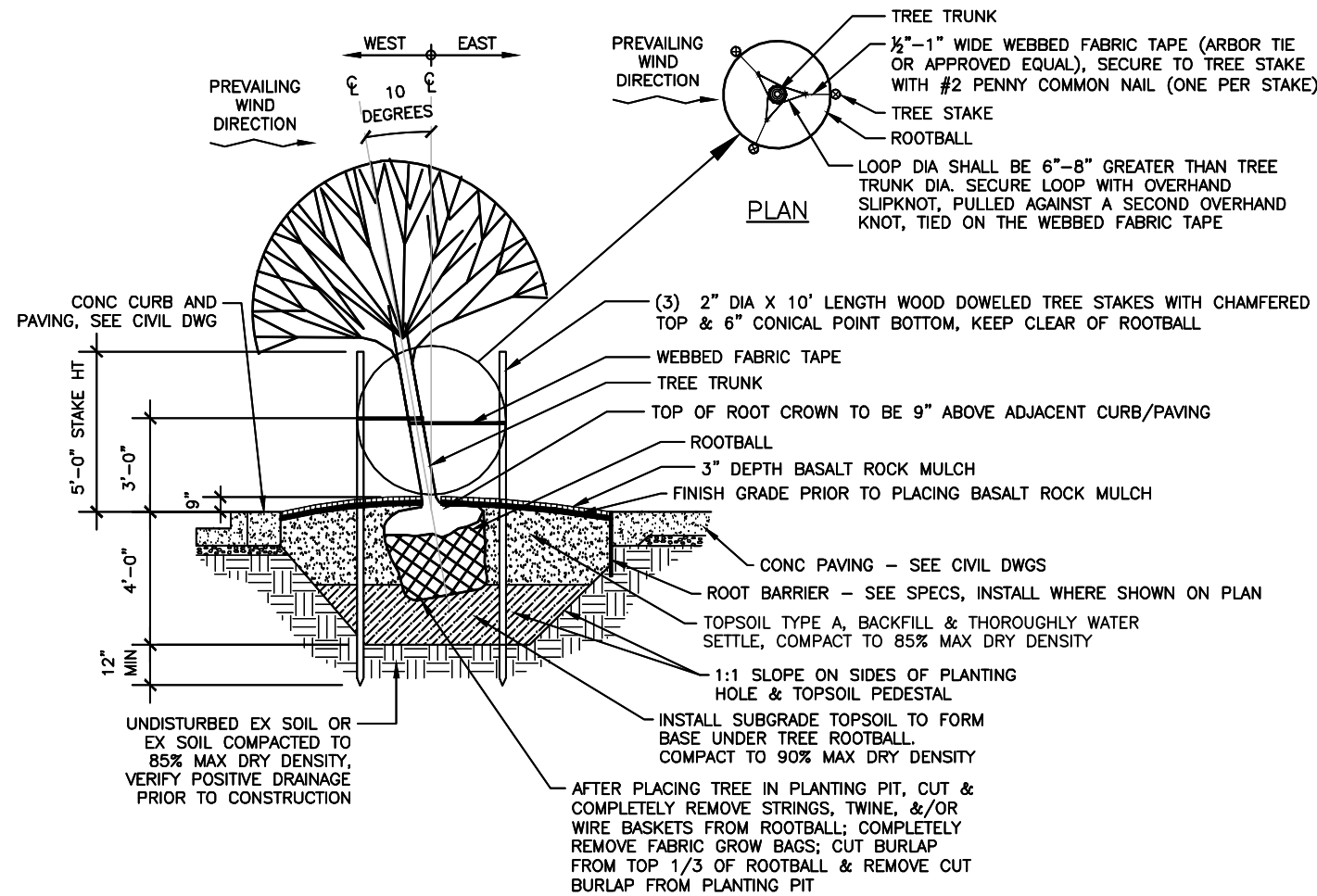
SHEET  
14  
OF  
28

REVISION

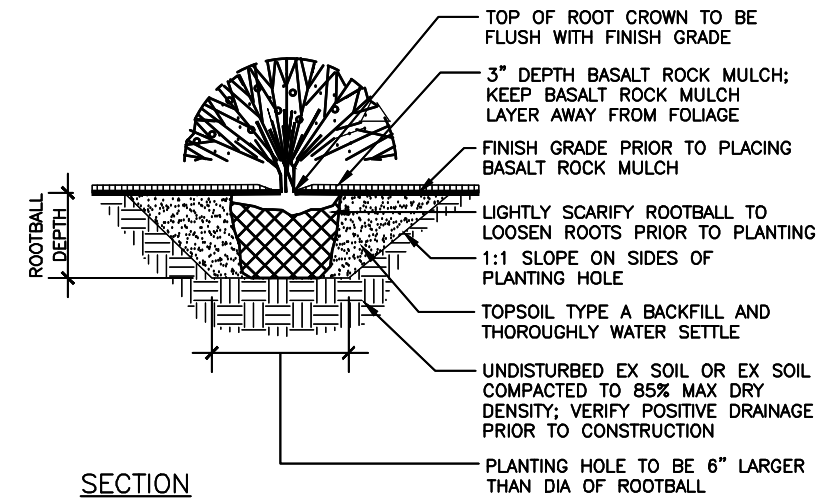
DATE

**NOTES:**

1. VERIFY LOCATION OF EX UTILITIES PRIOR TO EXCAVATING SOIL.
2. INSTALL TOPSOIL IN 6" LIFTS, WATER SETTLE & COMPACT PRIOR TO INSTALLING NEXT SOIL LAYER.
3. PRIOR TO BACKFILLING TREE ROOTBALL, FIELD VERIFY THE DEGREE OF TREE LEAN ANGLE W/ ENGINEER. CONFIRM TREE BRANCHES WILL NOT BE IN CONFLICT WITH VEHICULAR SIGHT LINES OR VERTICAL CLEARANCE. DEGREE OF TREE LEAN MAY BE REDUCED TO INCREASE SIGHT LINE OR VERTICAL CLEARANCE.
4. SELECTIVELY PRUNE TREES PER ENGINEER FIELD DIRECTIVE TO PROVIDE CLEAR SIGHTLINE TO STOP SIGNS.



1.1 DECIDUOUS TREE PLANTING  
NTS



1.2 GROUNDCOVER & SHRUB PLANTING  
NTS



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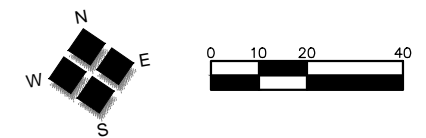
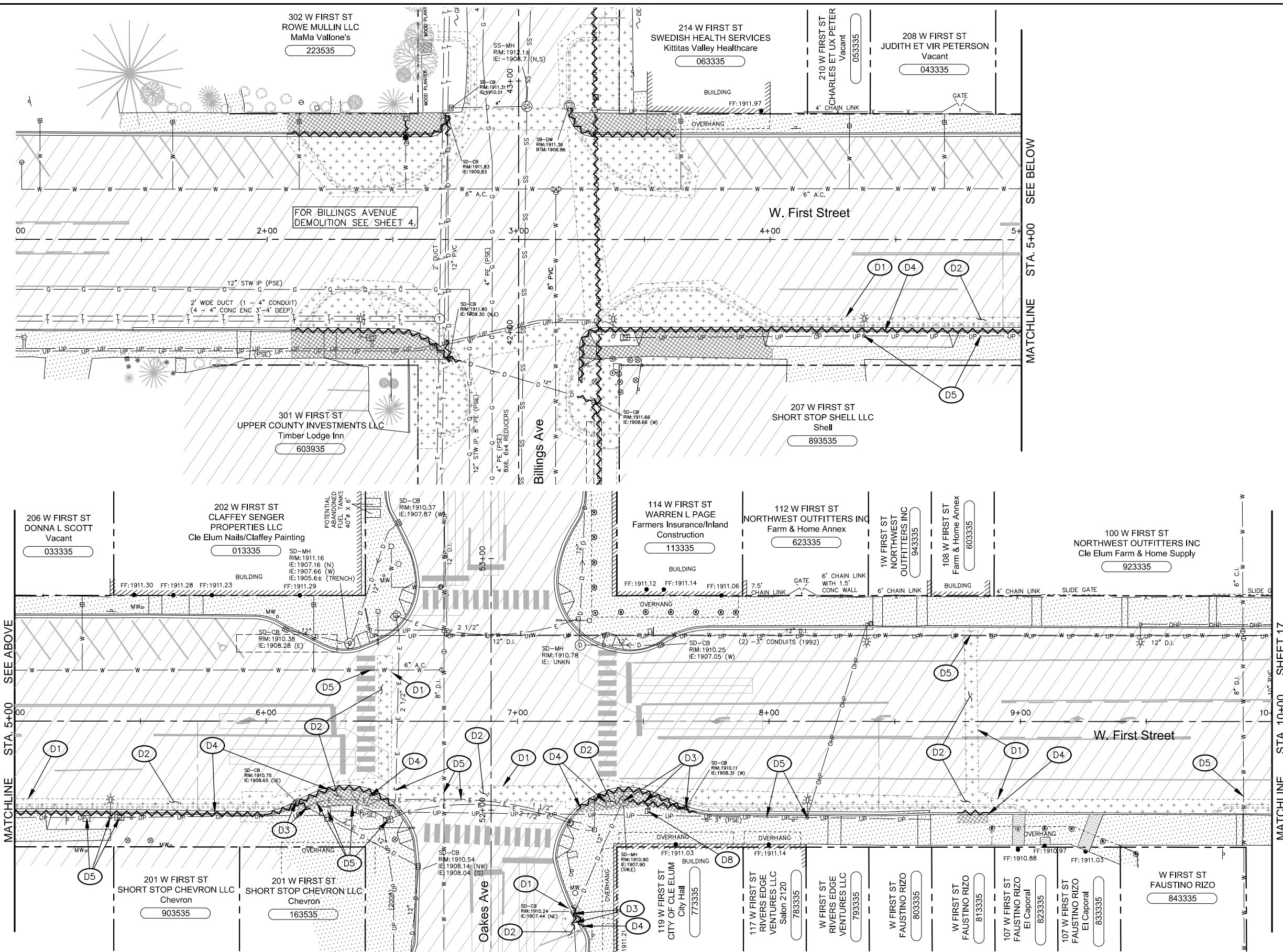
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CITY OF CLE ELUM  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

PLANTING DETAILS

SHEET  
15  
OF  
28



**LEGEND**

- EXISTING ASPHALT TO REMAIN
- EXISTING CONCRETE TO REMAIN
- EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING CURB, GUTTER, PIPE, AND STRUCTURES TO BE REMOVED
- NEW IMPROVEMENTS (FOR REFERENCE ONLY)

**DEMOLITION NOTES:**

- (D1) SAWCUT FULL DEPTH AT MATCHLINE.
- (D2) REMOVE EXISTING SURFACE AND BASE MATERIAL NECESSARY TO CONSTRUCT NEW IMPROVEMENTS. CONTRACTOR TO PROVIDE SUBGRADE COMPACTION.
- (D3) REMOVE EXISTING DRAIN PIPE AND CATCH BASIN(S)/MANHOLE(S). ANY REMAINING PIPE OPENINGS SHALL BE FILLED WITH CONCRETE AND ABANDONED.
- (D4) REMOVE EXISTING CURB, GUTTER AND BASE MATERIAL. CONTRACTOR TO PROVIDE SUBGRADE COMPACTION.
- (D5) PROTECT EXISTING UTILITIES TO REMAIN.
- (D6) CUT AND CAP EXISTING WATER MAIN. CITY TO PERMANENTLY CLOSE NORTH VALVE.
- (D7) CUT AND CAP EXISTING WATER MAIN. INSTALL THRUST BLOCK.
- (D8) PRESERVE AND PROTECT MONUMENT.

- NOTES:**
- APPROXIMATE EXISTING MATERIALS: THE CONTRACTOR SHOULD BE MADE AWARE THAT FIRST STREET SURFACING AT THE EXISTING CURB LINE IS APPROXIMATELY 3" OF HMA OVER 8"-10" OF PCCP OVER CRUSHED SURFACING. SURFACING FROM CENTERLINE TO 10' FROM THE EXISTING CURB LINE IS APPROXIMATELY 5" OF HMA OVER 8"-10" OF PCCP OVER CRUSHED SURFACING. SURFACING BETWEEN 10' FROM THE CURB LINE TO THE EXISTING CURB LINE VARIES 5" TO 3" HMA OVER 8"-10" PCCP. HMA AND PCCP SHALL BE VERTICALLY SAWCUT FOR REMOVAL.
  - ALL REMOVAL INCLUDES DISPOSAL UNLESS OTHERWISE INDICATED ON PLANS OR AS DIRECTED BY ENGINEER.

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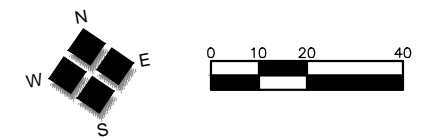
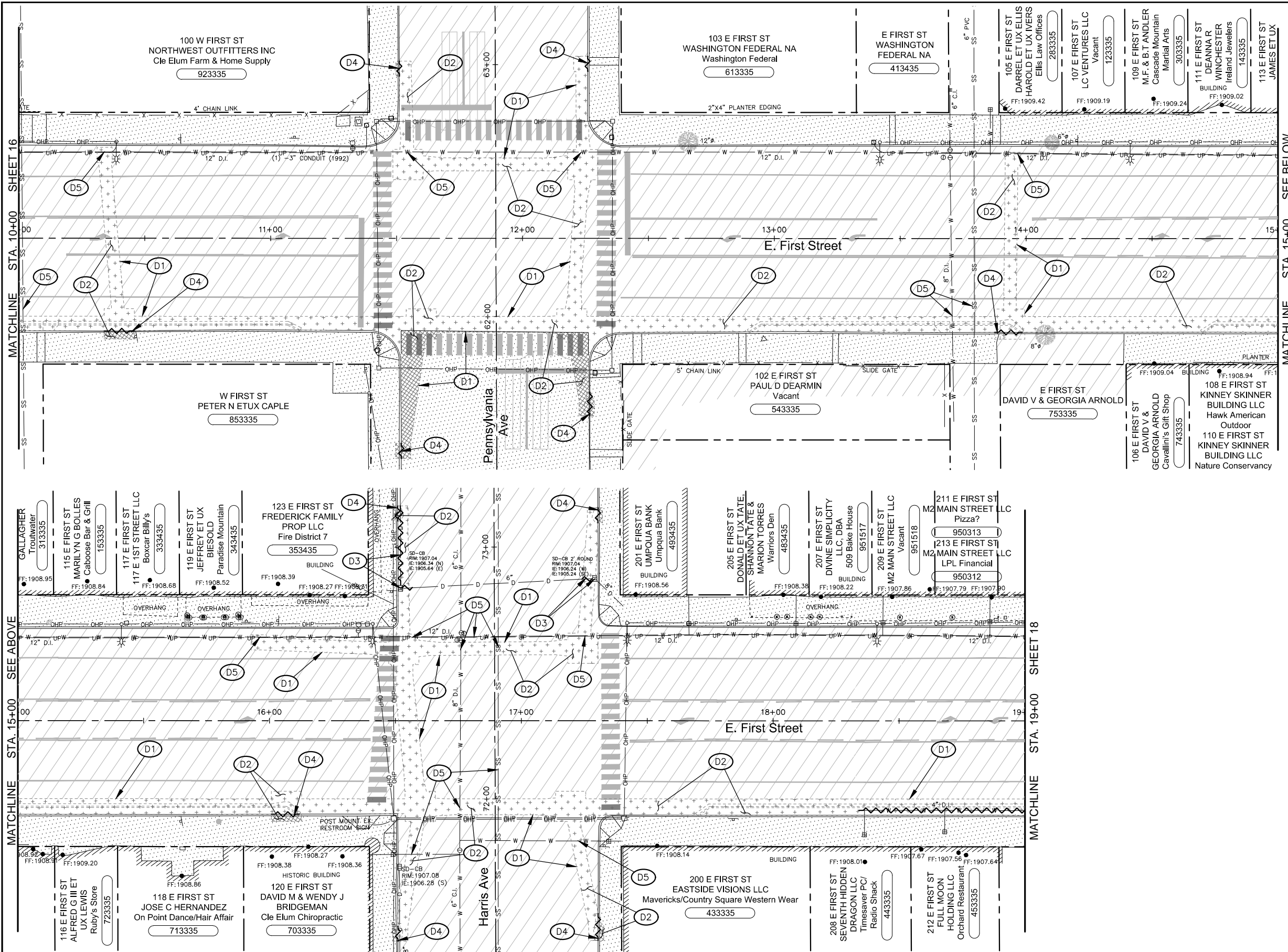
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| REVISION                                    | DATE |                      |                  |

CITY OF CLE ELUM  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

FIRST STREET DEMOLITION PLAN





**LEGEND**

- EXISTING ASPHALT TO REMAIN
- EXISTING CONCRETE TO REMAIN
- EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING CURB, GUTTER, PIPE, AND STRUCTURES TO BE REMOVED
- NEW IMPROVEMENTS (FOR REFERENCE ONLY)

**DEMOLITION NOTES:**

- (D1) SAWCUT FULL DEPTH AT MATCHLINE.
- (D2) REMOVE EXISTING SURFACE AND BASE MATERIAL NECESSARY TO CONSTRUCT NEW IMPROVEMENTS. CONTRACTOR TO PROVIDE SUBGRADE COMPACTION.
- (D3) REMOVE EXISTING DRAIN PIPE AND CATCH BASIN(S)/MANHOLE(S). ANY REMAINING PIPE OPENINGS SHALL BE FILLED WITH CONCRETE AND ABANDONED.
- (D4) REMOVE EXISTING CURB, GUTTER AND BASE MATERIAL. CONTRACTOR TO PROVIDE SUBGRADE COMPACTION.
- (D5) PROTECT EXISTING UTILITIES TO REMAIN.
- (D6) CUT AND CAP EXISTING WATER MAIN. CITY TO PERMANENTLY CLOSE NORTH VALVE.
- (D7) CUT AND CAP EXISTING WATER MAIN. INSTALL THRUST BLOCK.
- (D8) PRESERVE AND PROTECT MONUMENT.

- NOTES:**
1. APPROXIMATE EXISTING MATERIALS: THE CONTRACTOR SHOULD BE MADE AWARE THAT FIRST STREET SURFACING AT THE EXISTING CURB LINE IS APPROXIMATELY 3" OF HMA OVER 8"-10" OF PCCP OVER CRUSHED SURFACING. SURFACING FROM CENTERLINE TO 10' FROM THE EXISTING CURB LINE IS APPROXIMATELY 5" OF HMA OVER 8"-10" OF PCCP OVER CRUSHED SURFACING. SURFACING BETWEEN 10' FROM THE CURB LINE TO THE EXISTING CURB LINE VARIES 5" TO 3" HMA OVER 8"-10" PCCP. HMA AND PCCP SHALL BE VERTICALLY SAWCUT FOR REMOVAL.
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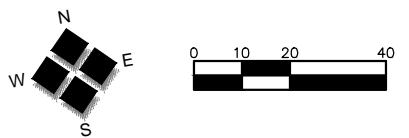
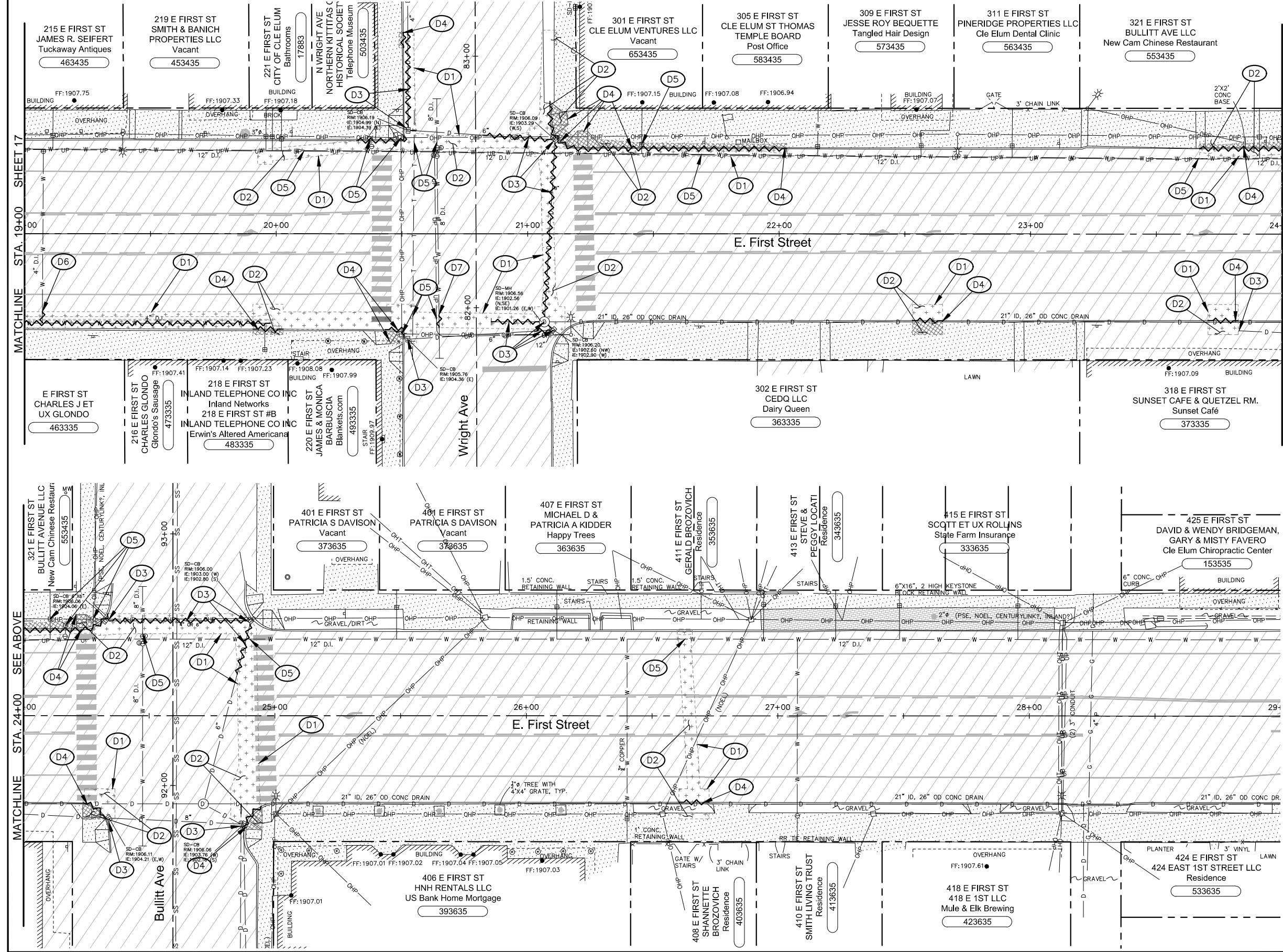
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CITY OF CLE ELUM  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

FIRST STREET DEMOLITION PLAN

|       |    |
|-------|----|
| SHEET | 17 |
| OF    | 28 |



**LEGEND**

- EXISTING ASPHALT TO REMAIN
- EXISTING CONCRETE TO REMAIN
- EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED
- EXISTING CONCRETE TO BE REMOVED
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- (D1) SAWCUT FULL DEPTH AT MATCHLINE.
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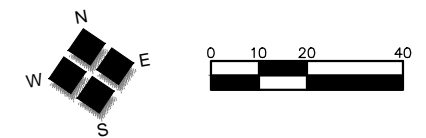
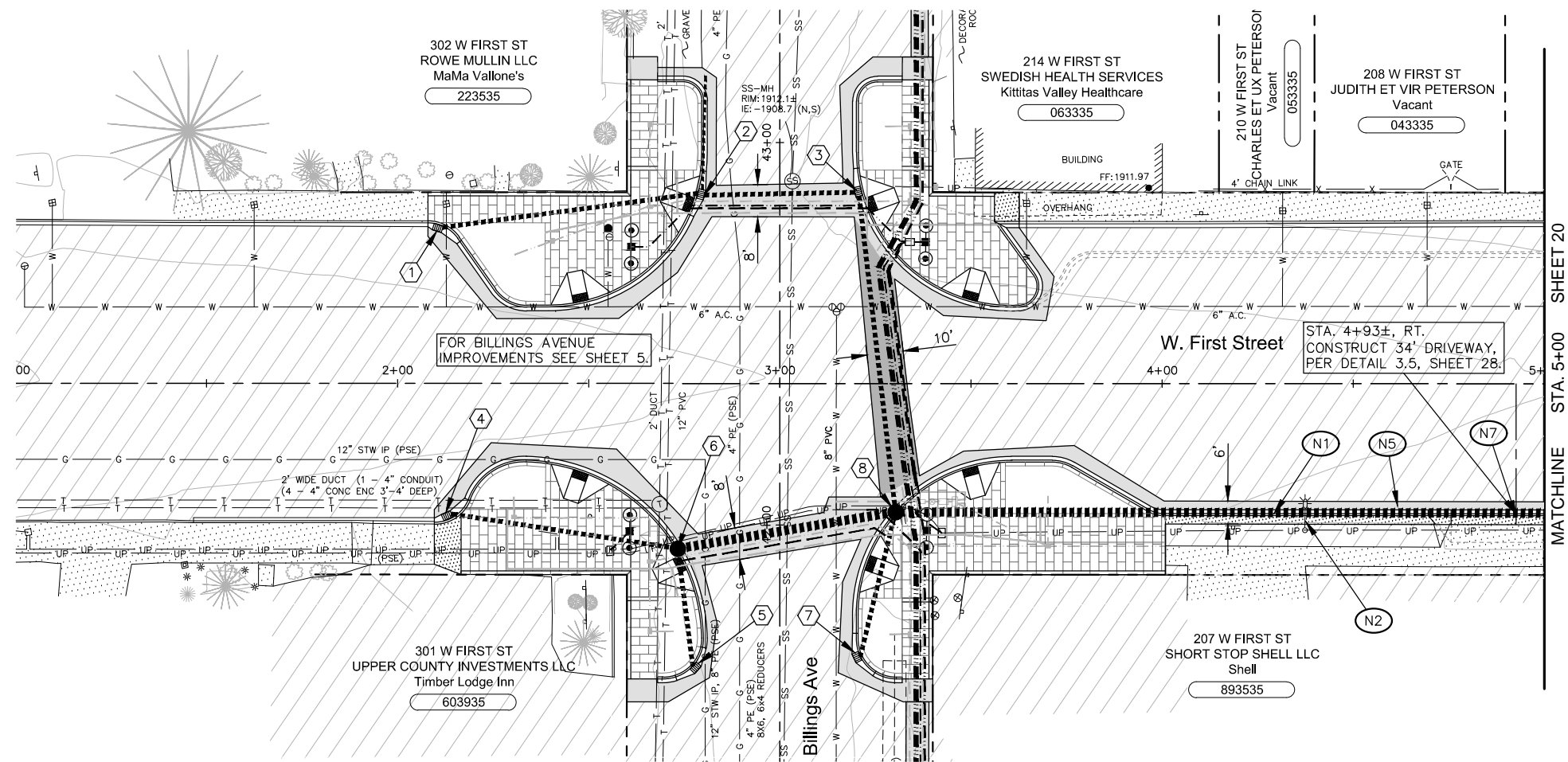
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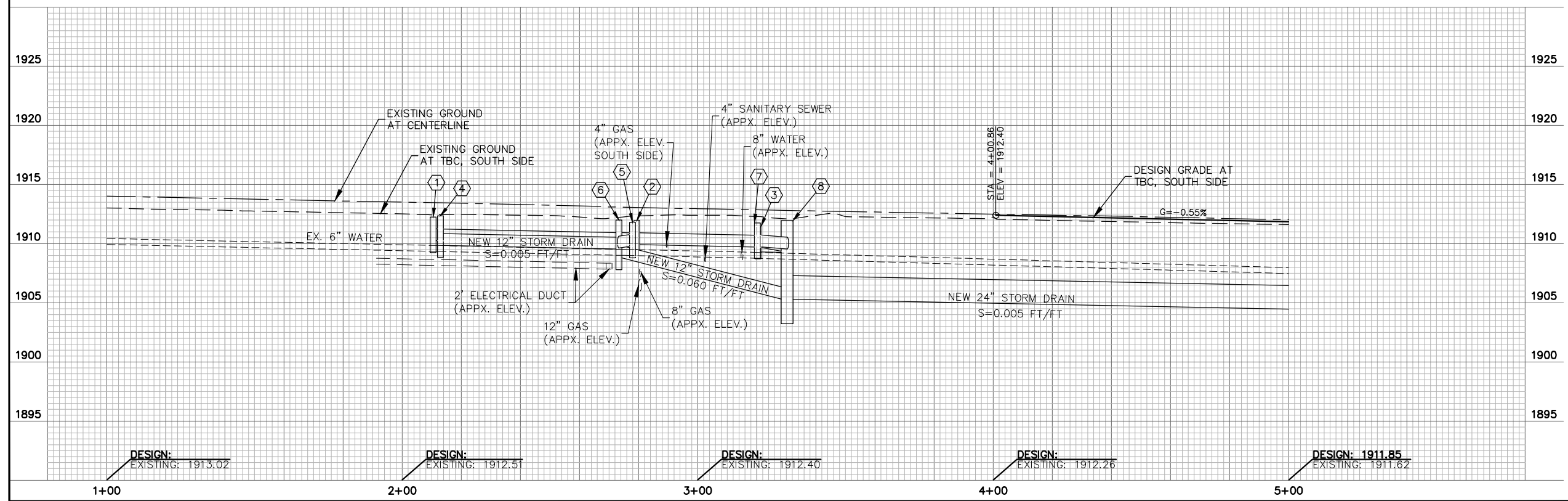
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CITY OF CLE ELUM  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

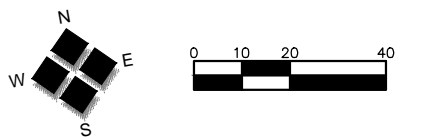
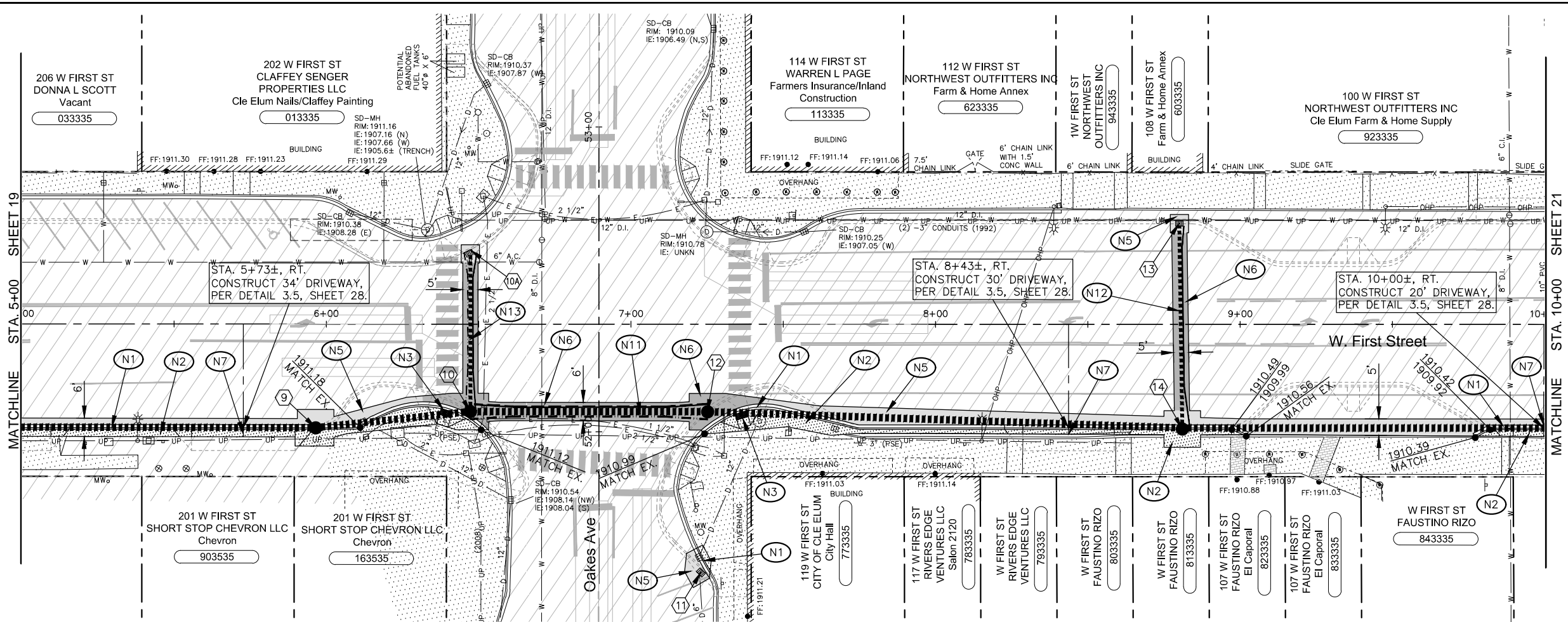
FIRST STREET DEMOLITION PLAN



- GENERAL NOTES:**
- # DRAINAGE STRUCTURE NOTES. SEE SHEET 26.
  - FUTURE IMPROVEMENTS (FOR REFERENCE ONLY)
- CONSTRUCTION NOTES:**
- N1 CONSTRUCT CEMENT CONCRETE BARRIER CURB AND GUTTER PER DETAIL 1.1, SHEET 28.
  - N2 CONSTRUCT 4-INCH DEPTH CEMENT CONCRETE SIDEWALK PER DETAILS 1.3 AND 1.5, SHEET 28.
  - N3 INSTALL CURB RAMP TYPE PERPENDICULAR A AND DETECTABLE WARNING SURFACE PER WSDOT F-40.15 AND F-45.10.
  - N4 CONSTRUCT CEMENT CONCRETE PEDESTRIAN CURB PER DETAIL 3.3, SHEET 28.
  - N5 CONSTRUCT LIGHT ROADWAY SECTION PER DETAIL 2.1, SHEET 28.
  - N6 CONSTRUCT HEAVY ROADWAY SECTION PER DETAIL 3.1, SHEET 28.
  - N7 CONSTRUCT 6-INCH DEPTH CEMENT CONCRETE SIDEWALK (DRIVEWAY) PER DETAILS 1.3 AND 1.5, SHEET 28.
  - N8 CONSTRUCT 2" WATER SERVICE, CONNECT TO EXISTING WATER MAIN AND EXISTING WATER SERVICE NEAR THE METER WITHIN THE STORM DRAIN TRENCH.
  - N9 ADJUST VALVE BOX/METER BOX/MONITORING WELL/MANHOLE TO FINISH GRADE PER DETAILS 2.2, 2.3, AND 3.2, SHEET 28.
  - N10 REROUTE WATER MAIN OVER NEW STORM DRAIN PIPE WITH RESTRAINED MJ FITTINGS, THRUST BLOCKS, AND COUPLINGS AS REQUIRED.



|  |   |                                    |   |   |  |                                       |
|--|---|------------------------------------|---|---|--|---------------------------------------|
|  | 2803 River Road<br>Yakima, WA 98902<br>509.966.7000<br>Fax 509.965.3800<br>www.hlacivil.com | PRELIMINARY<br>SUBJECT TO REVISION | CDBG NO. 17-62210-044<br>FHWA NO. STPR-0903 | JOB NUMBER: 17089<br>DATE: 3-29-19  | CITY OF CLE ELUM<br>FIRST STREET STORMWATER AND BILLINGS AVENUE<br>INTERSECTION IMPROVEMENTS | SHEET<br><b>19</b><br>OF<br><b>28</b> |
|  |   |                                    |   | FILE NAMES:<br>DRAWING: SHEETS.dwg<br>PLAN: 17089.dwg<br>PROFILE: 17089.dwg |  |                                       |



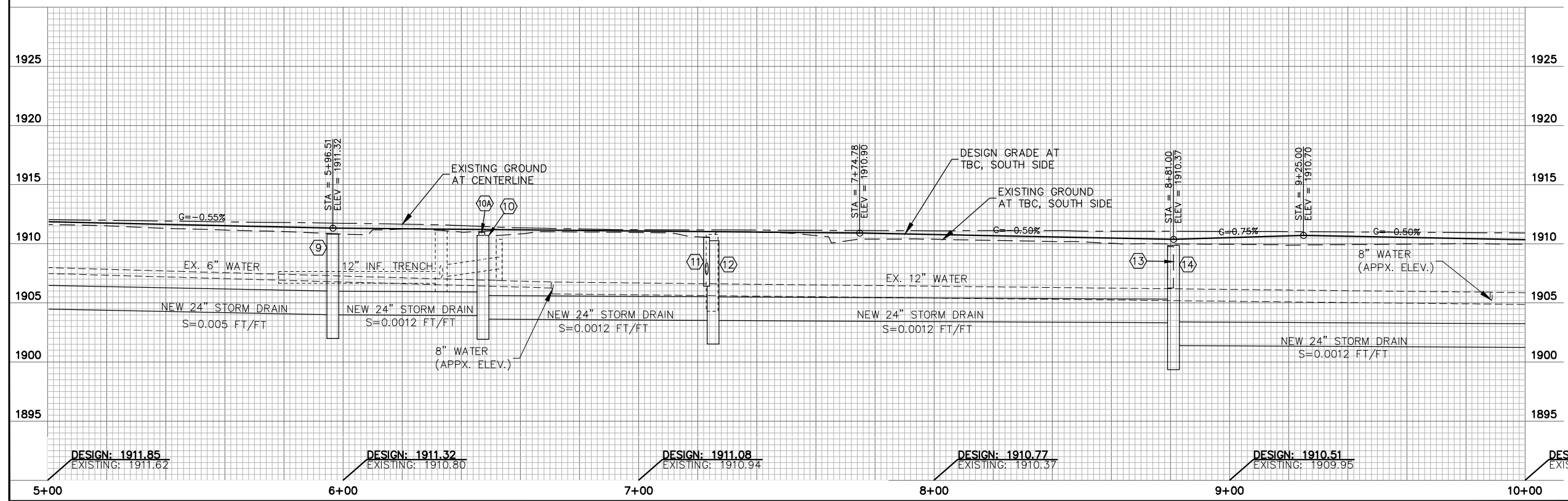
**GENERAL NOTES:**

- (#) DRAINAGE STRUCTURE NOTES. SEE SHEET 26.
- (---) FUTURE IMPROVEMENTS (FOR REFERENCE ONLY)
- CONSTRUCTION NOTES:**
- (N1) CONSTRUCT CEMENT CONCRETE BARRIER CURB AND GUTTER PER DETAIL 1.1, SHEET 28.
- (N2) CONSTRUCT 4-INCH DEPTH CEMENT CONCRETE SIDEWALK PER DETAILS 1.3 AND 1.5, SHEET 28.
- (N3) INSTALL CURB RAMP TYPE PERPENDICULAR A AND DETECTABLE WARNING SURFACE PER WSDOT F-40.15 AND F-45.10.
- (N4) CONSTRUCT CEMENT CONCRETE PEDESTRIAN CURB PER DETAIL 3.3, SHEET 28.
- (N5) CONSTRUCT LIGHT ROADWAY SECTION PER DETAIL 2.1, SHEET 28.
- (N6) CONSTRUCT HEAVY ROADWAY SECTION PER DETAIL 3.1, SHEET 28.
- (N7) CONSTRUCT 6-INCH DEPTH CEMENT CONCRETE SIDEWALK (DRIVEWAY) PER DETAILS 1.3 AND 1.5, SHEET 28.
- (N8) CONSTRUCT 2" WATER SERVICE, CONNECT TO EXISTING WATER MAIN AND EXISTING WATER SERVICE NEAR THE METER WITHIN THE STORM DRAIN TRENCH.
- (N9) ADJUST VALVE BOX/METER BOX/MONITORING WELL/MANHOLE TO FINISH GRADE PER DETAILS 2.2, 2.3, AND 3.2, SHEET 28.
- (N10) REROUTE WATER MAIN OVER NEW STORM DRAIN PIPE WITH RESTRAINED MJ FITTINGS, THRUST BLOCKS, AND COUPLINGS AS REQUIRED.

**SHARED TRENCH NOTES:**

- (N11) INSTALL 24" STORM DRAIN, 3" SPARE CONDUIT, 2" SPARE CONDUIT (TREE LIGHTING), 3" CASING WITH 2" IRRIGATION CONDUIT, AND 2" PSE ILLUMINATION CONDUIT.
- (N12) INSTALL 12" STORM DRAIN AND 2" SPARE CONDUIT (TREE LIGHTING).
- (N13) INSTALL 12" STORM DRAIN, 2" SPARE CONDUIT (TREE LIGHTING), AND 3" CASING WITH 2" IRRIGATION CONDUIT.

NOTE:  
INSTALL CAPS AT ALL CONDUIT ENDS.



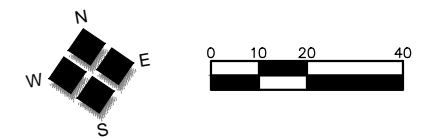
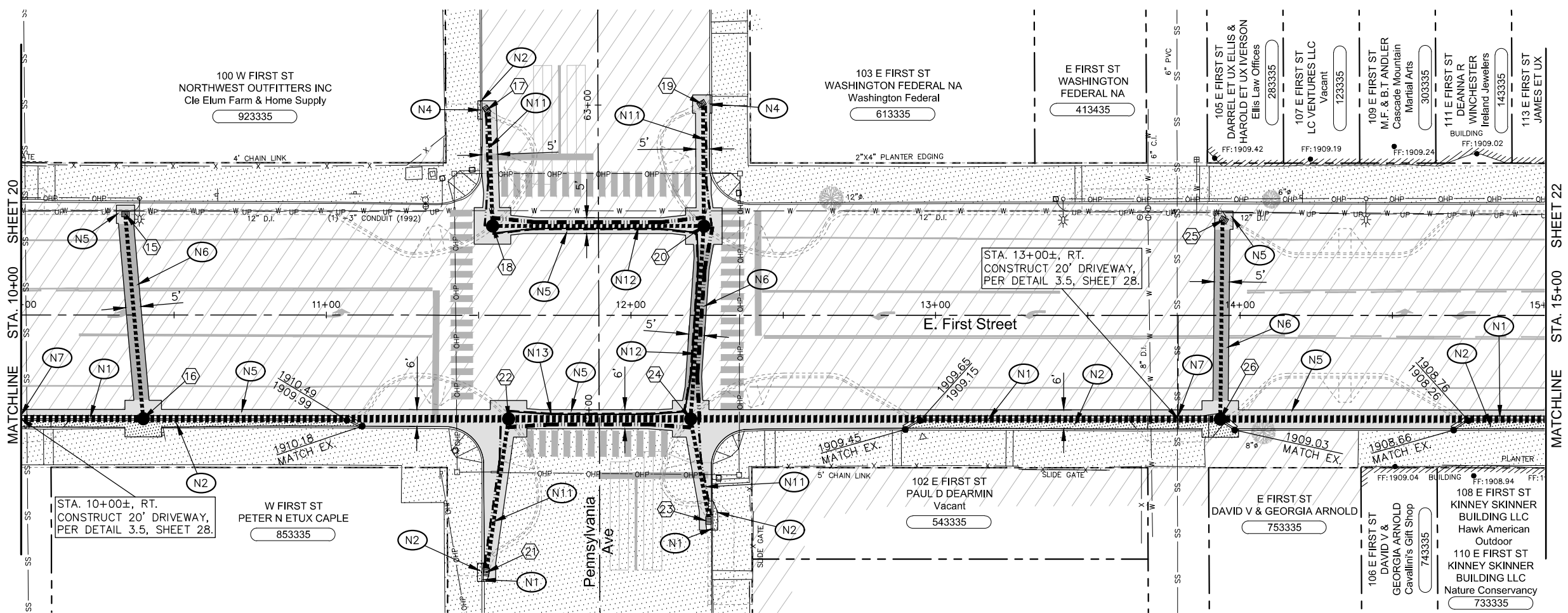
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| DESIGNED BY:<br>ENTERED BY:                 | BAA<br>JBP |   |                  |
| REVISION                                    | DATE       |   |                  |

**CITY OF CLE ELUM**  
**FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS**  
**FIRST STREET SOUTH CURB LINE PLAN AND PROFILE**

SHEET  
**20**  
OF  
**28**



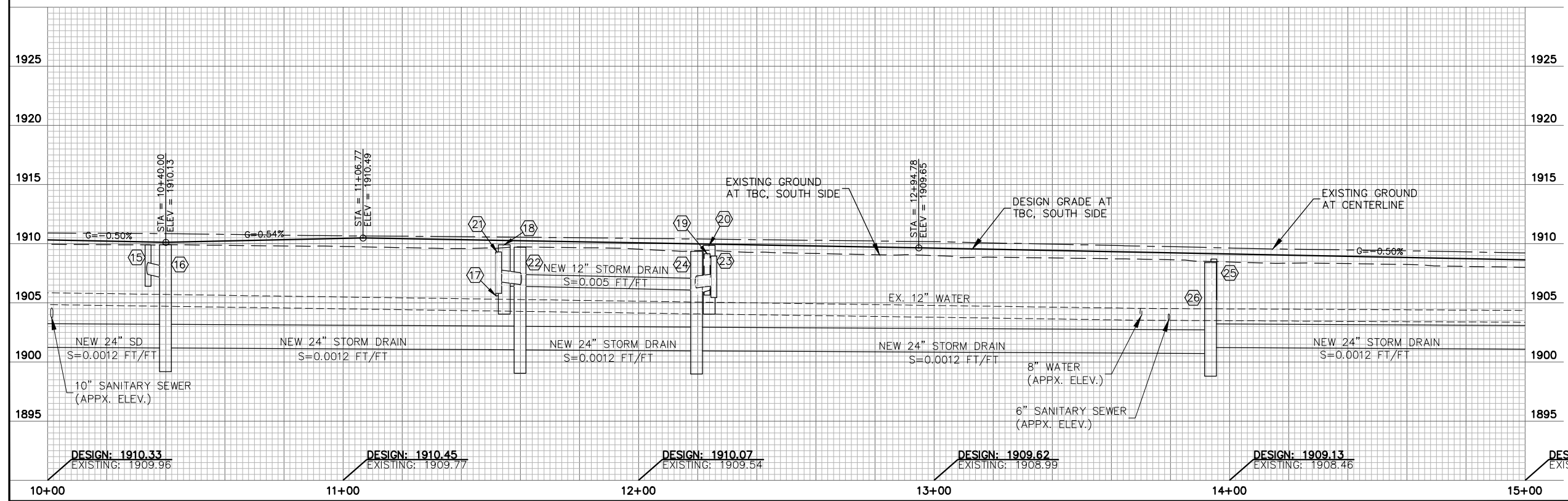
**GENERAL NOTES:**

- # DRAINAGE STRUCTURE NOTES. SEE SHEET 26.
- FUTURE IMPROVEMENTS (FOR REFERENCE ONLY)
- CONSTRUCTION NOTES:**
- N1 CONSTRUCT CEMENT CONCRETE BARRIER CURB AND GUTTER PER DETAIL 1.1, SHEET 28.
- N2 CONSTRUCT 4-INCH DEPTH CEMENT CONCRETE SIDEWALK PER DETAILS 1.3 AND 1.5, SHEET 28.
- N3 INSTALL CURB RAMP TYPE PERPENDICULAR A AND DETECTABLE WARNING SURFACE PER WSDOT F-40.15 AND F-45.10.
- N4 CONSTRUCT CEMENT CONCRETE PEDESTRIAN CURB PER DETAIL 3.3, SHEET 28.
- N5 CONSTRUCT LIGHT ROADWAY SECTION PER DETAIL 2.1, SHEET 28.
- N6 CONSTRUCT HEAVY ROADWAY SECTION PER DETAIL 3.1, SHEET 28.
- N7 CONSTRUCT 6-INCH DEPTH CEMENT CONCRETE SIDEWALK (DRIVEWAY) PER DETAILS 1.3 AND 1.5, SHEET 28.
- N8 CONSTRUCT 2" WATER SERVICE, CONNECT TO EXISTING WATER MAIN AND EXISTING WATER SERVICE NEAR THE METER WITHIN THE STORM DRAIN TRENCH.
- N9 ADJUST VALVE BOX/METER BOX/MONITORING WELL/MANHOLE TO FINISH GRADE PER DETAILS 2.2, 2.3, AND 3.2, SHEET 28.
- N10 REROUTE WATER MAIN OVER NEW STORM DRAIN PIPE WITH RESTRAINED MJ FITTINGS, THRUST BLOCKS, AND COUPLINGS AS REQUIRED.

**SHARED TRENCH NOTES:**

- N11 INSTALL 12" STORM DRAIN AND TWO 2" INLAND CONDUITS.
- N12 INSTALL 12" STORM DRAIN, 3" SPARE CONDUIT, 2" SPARE CONDUIT (TREE LIGHTING), 3" CASING WITH 2" IRRIGATION CONDUIT, 2" PSE ILLUMINATION CONDUIT, AND TWO 2" INLAND CONDUITS.
- N13 INSTALL 24" STORM DRAIN, 3" SPARE CONDUIT, 2" SPARE CONDUIT (TREE LIGHTING), 3" CASING WITH 2" IRRIGATION CONDUIT, 2" PSE ILLUMINATION CONDUIT, AND TWO 2" INLAND CONDUITS.

NOTE:  
INSTALL CAPS AT ALL CONDUIT ENDS.



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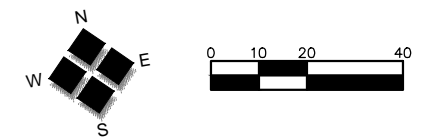
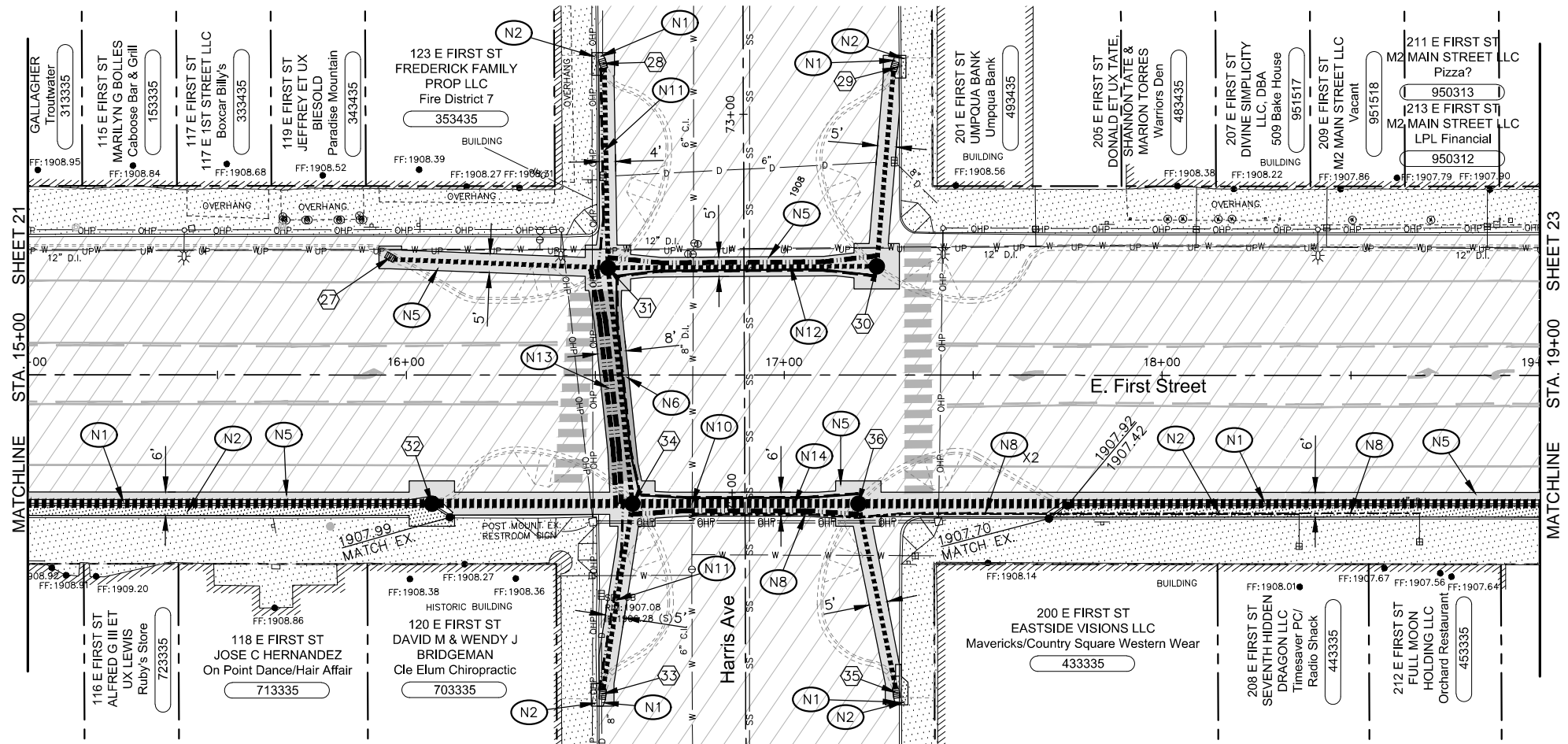
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| REVISION                                    | DATE       |   |                  |

**CITY OF CLE ELUM**  
**FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS**

FIRST STREET SOUTH CURB LINE PLAN AND PROFILE

SHEET  
21  
OF  
28



**GENERAL NOTES:**

# DRAINAGE STRUCTURE NOTES. SEE SHEET 26.

FUTURE IMPROVEMENTS (FOR REFERENCE ONLY)

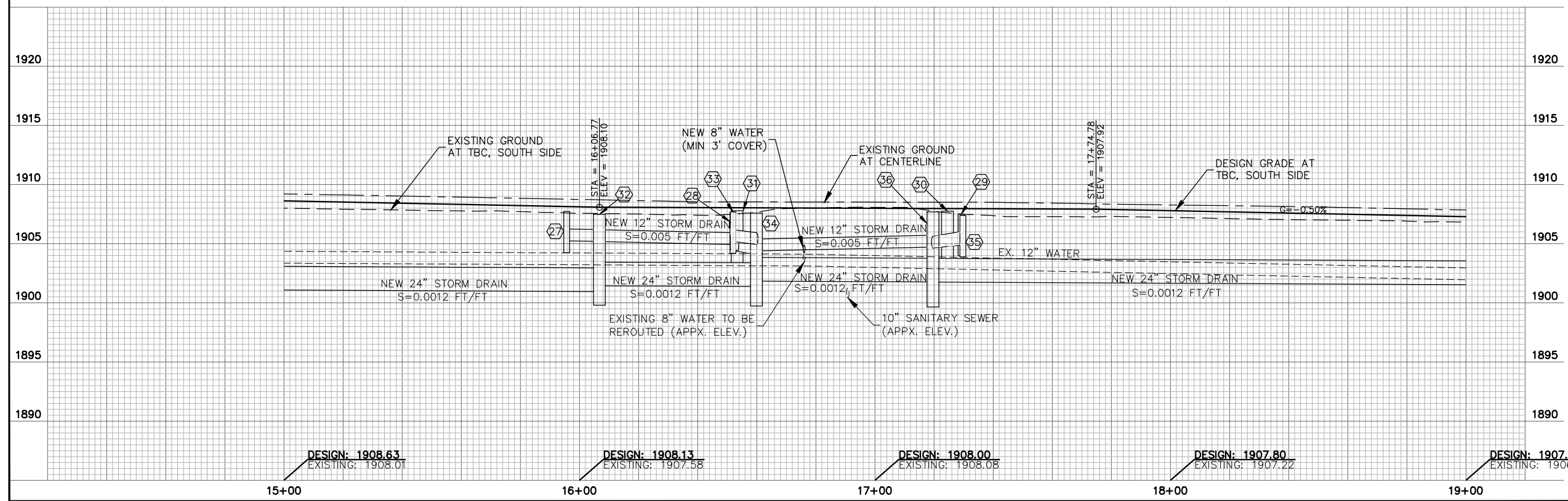
**CONSTRUCTION NOTES:**

- N1 CONSTRUCT CEMENT CONCRETE BARRIER CURB AND GUTTER PER DETAIL 1.1, SHEET 28.
- N2 CONSTRUCT 4-INCH DEPTH CEMENT CONCRETE SIDEWALK PER DETAILS 1.3 AND 1.5, SHEET 28.
- N3 INSTALL CURB RAMP TYPE PERPENDICULAR A AND DETECTABLE WARNING SURFACE PER WSDOT F-40.15 AND F-45.10.
- N4 CONSTRUCT CEMENT CONCRETE PEDESTRIAN CURB PER DETAIL 3.3, SHEET 28.
- N5 CONSTRUCT LIGHT ROADWAY SECTION PER DETAIL 2.1, SHEET 28.
- N6 CONSTRUCT HEAVY ROADWAY SECTION PER DETAIL 3.1, SHEET 28.
- N7 CONSTRUCT 6-INCH DEPTH CEMENT CONCRETE SIDEWALK (DRIVEWAY) PER DETAILS 1.3 AND 1.5, SHEET 28.
- N8 CONSTRUCT 2" WATER SERVICE, CONNECT TO EXISTING WATER MAIN AND EXISTING WATER SERVICE NEAR THE METER WITHIN THE STORM DRAIN TRENCH.
- N9 ADJUST VALVE BOX/METER BOX/MONITORING WELL/MANHOLE TO FINISH GRADE PER DETAILS 2.2, 2.3, AND 3.2, SHEET 28.
- N10 REROUTE WATER MAIN OVER NEW STORM DRAIN PIPE WITH RESTRAINED MJ FITTINGS, THRUST BLOCKS, AND COUPLINGS AS REQUIRED.

**SHARED TRENCH NOTES:**

- N11 INSTALL 12" STORM DRAIN AND TWO 2" INLAND CONDUITS.
- N12 INSTALL 12" STORM DRAIN, 3" SPARE CONDUIT, 2" SPARE CONDUIT (TREE LIGHTING), 3" CASING WITH 2" IRRIGATION CONDUIT, 2" PSE ILLUMINATION CONDUIT, AND TWO 2" INLAND CONDUITS.
- N13 INSTALL 12" STORM DRAIN, 3" SPARE CONDUIT, 2" SPARE CONDUIT (TREE LIGHTING), 3" CASING WITH 2" IRRIGATION CONDUIT, 2" PSE ILLUMINATION CONDUIT, TWO 6" PSE POWER CONDUITS, AND TWO 2" INLAND CONDUITS.
- N14 INSTALL 24" STORM DRAIN, 3" SPARE CONDUIT, 2" SPARE CONDUIT (TREE LIGHTING), 3" CASING WITH 2" IRRIGATION CONDUIT, 2" PSE ILLUMINATION CONDUIT, AND TWO 2" INLAND CONDUITS.

NOTE:  
INSTALL CAPS AT ALL CONDUIT ENDS.



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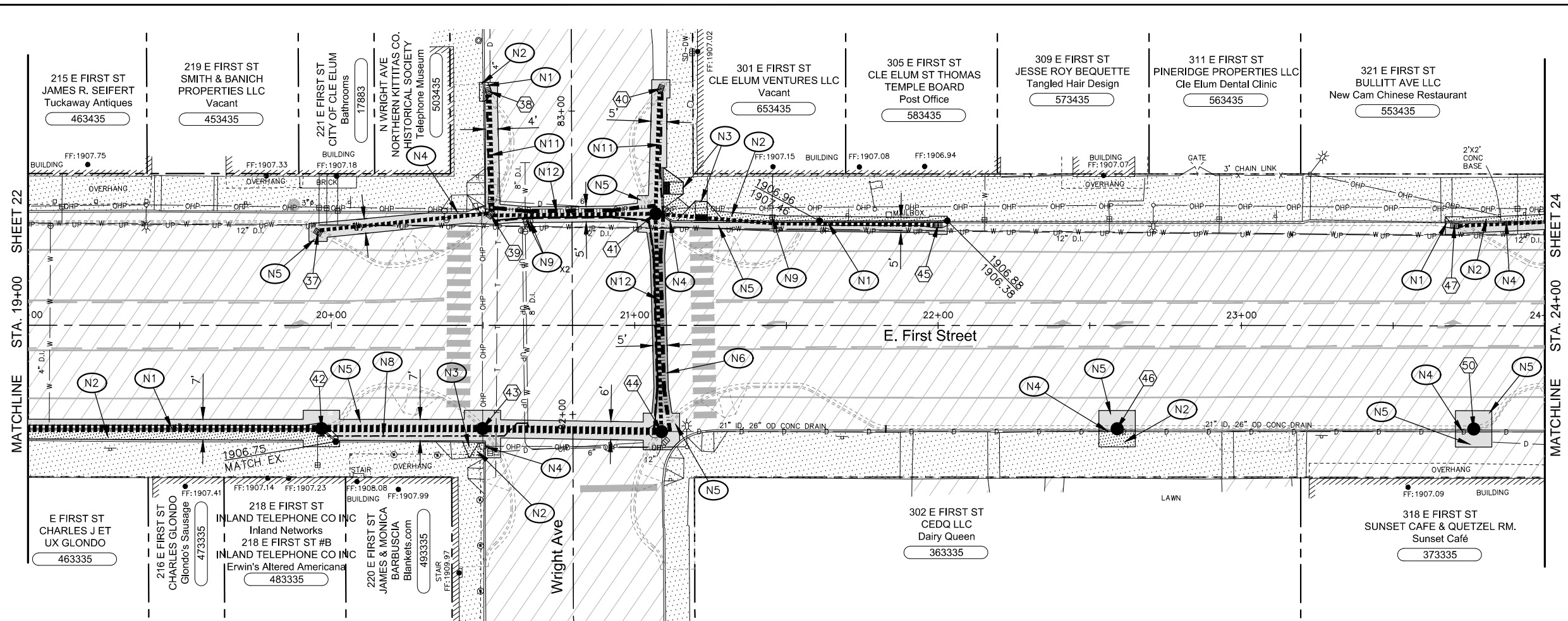
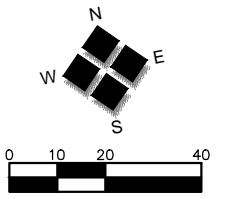
CDBG NO. 17-62210-044  
FHWA NO. STPR-0903

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| JOB NUMBER:<br>17089        | DATE:<br>3-29-19 |
| FILE NAMES:                 |                  |
| DRAWING:<br>SHEETS.dwg      |                  |
| PLAN:<br>17089.dwg          |                  |
| PROFILE:<br>17089.dwg       |                  |
| DESIGNED BY:<br>ENTERED BY: | BAA<br>JBP       |
| REVISION                    | DATE             |

**CITY OF CLE ELUM**  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

FIRST STREET SOUTH CURB LINE PLAN AND PROFILE

SHEET  
**22**  
OF  
**28**



**GENERAL NOTES:**

- # DRAINAGE STRUCTURE NOTES. SEE SHEET 26.
- FUTURE IMPROVEMENTS (FOR REFERENCE ONLY)

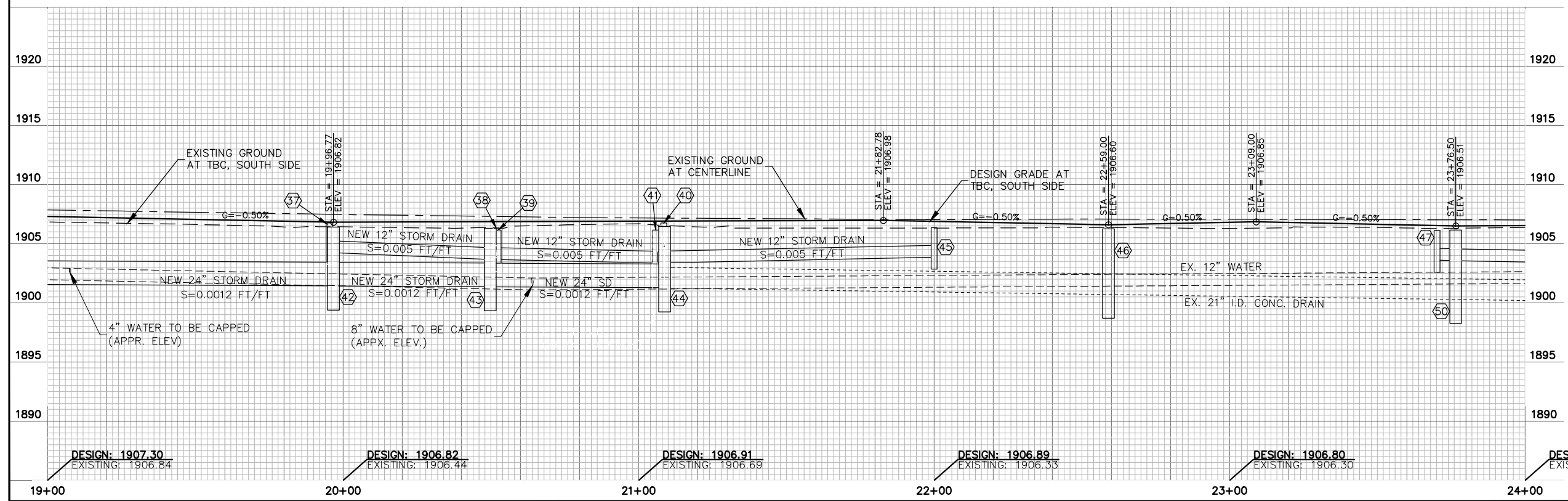
**CONSTRUCTION NOTES:**

- N1 CONSTRUCT CEMENT CONCRETE BARRIER CURB AND GUTTER PER DETAIL 1.1, SHEET 28.
- N2 CONSTRUCT 4-INCH DEPTH CEMENT CONCRETE SIDEWALK PER DETAILS 1.3 AND 1.5, SHEET 28.
- N3 INSTALL CURB RAMP TYPE PERPENDICULAR A AND DETECTABLE WARNING SURFACE PER WSDOT F-40.15 AND F-45.10.
- N4 CONSTRUCT CEMENT CONCRETE PEDESTRIAN CURB PER DETAIL 3.3, SHEET 28.
- N5 CONSTRUCT LIGHT ROADWAY SECTION PER DETAIL 2.1, SHEET 28.
- N6 CONSTRUCT HEAVY ROADWAY SECTION PER DETAIL 3.1, SHEET 28.
- N7 CONSTRUCT 6-INCH DEPTH CEMENT CONCRETE SIDEWALK (DRIVEWAY) PER DETAILS 1.3 AND 1.5, SHEET 28.
- N8 CONSTRUCT 2" WATER SERVICE, CONNECT TO EXISTING WATER MAIN AND EXISTING WATER SERVICE NEAR THE METER WITHIN THE STORM DRAIN TRENCH.
- N9 ADJUST VALVE BOX/METER BOX/MONITORING WELL/MANHOLE TO FINISH GRADE PER DETAILS 2.2, 2.3, AND 3.2, SHEET 28.
- N10 REROUTE WATER MAIN OVER NEW STORM DRAIN PIPE WITH RESTRAINED MJ FITTINGS, THRUST BLOCKS, AND COUPLINGS AS REQUIRED.

**SHARED TRENCH NOTES:**

- N11 INSTALL 12" STORM DRAIN AND TWO 2" INLAND CONDUITS.
- N12 INSTALL 12" STORM DRAIN, 3" SPARE CONDUIT, 2" SPARE CONDUIT (TREE LIGHTING), 3" CASING WITH 2" IRRIGATION CONDUIT, 2" PSE ILLUMINATION CONDUIT, AND TWO 2" INLAND CONDUITS.

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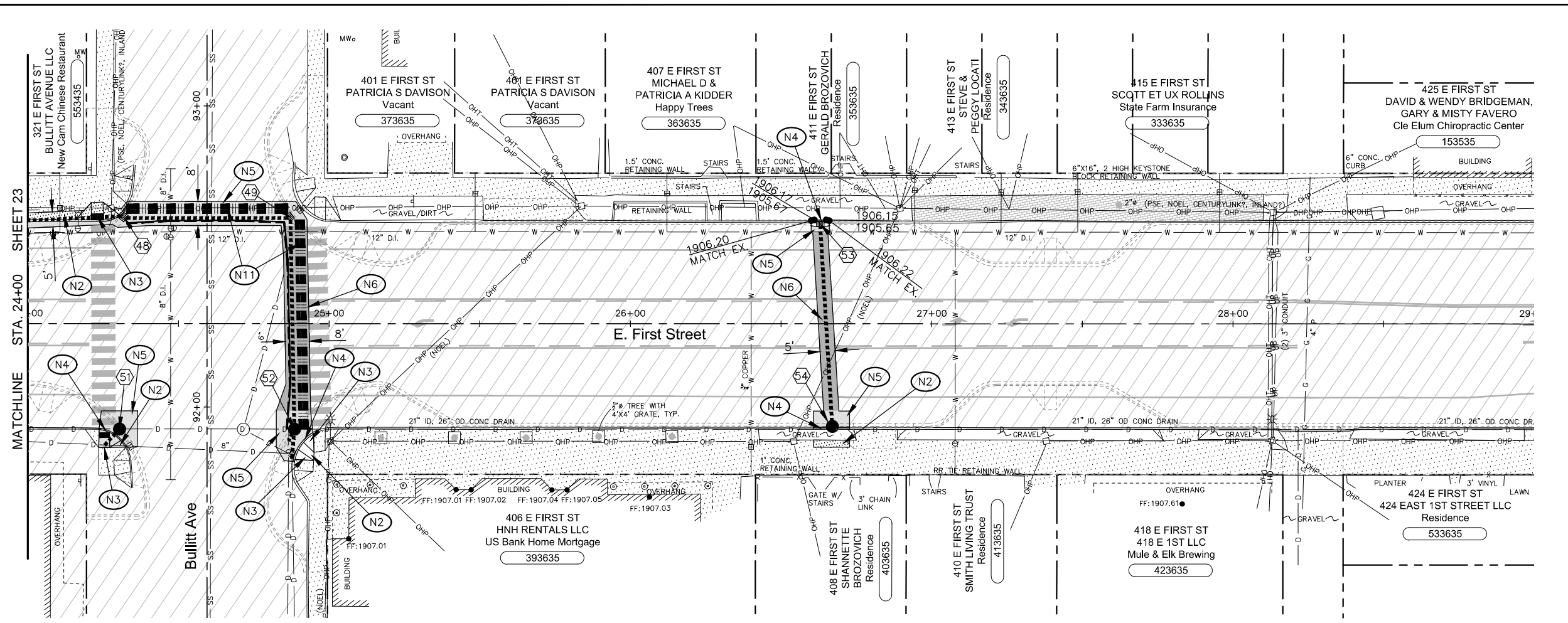
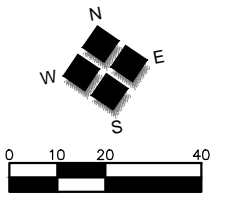
CDBG NO. 17-62210-044  
FHWA NO. STPR-0903

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|------------------------|--------------------|
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| DRAWING:<br>SHEETS.dwg | PLAN:<br>17089.dwg |
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| DESIGNED BY:<br>BAA    | JBP                |
| ENTERED BY:            |                    |
| REVISION               | DATE               |

**CITY OF CLE ELUM**  
**FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS**

FIRST STREET SOUTH CURB LINE PLAN AND PROFILE

SHEET  
**23**  
OF  
**28**



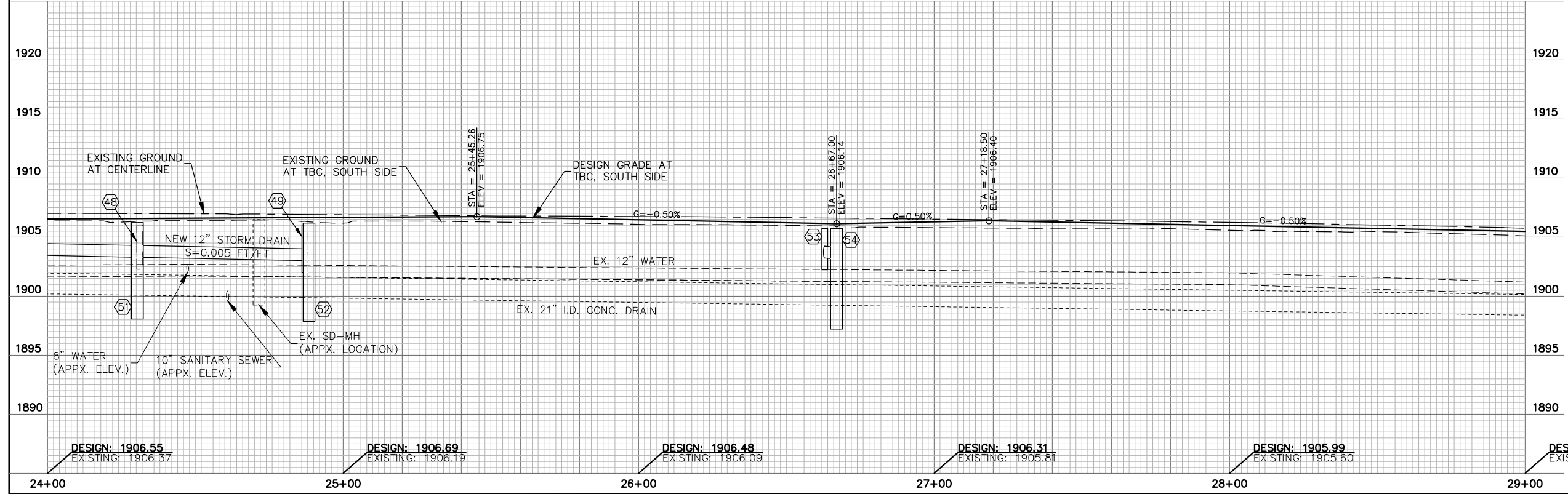
**GENERAL NOTES:**

- # DRAINAGE STRUCTURE NOTES. SEE SHEET 26.
- FUTURE IMPROVEMENTS (FOR REFERENCE ONLY)
- CONSTRUCTION NOTES:**
- N1 CONSTRUCT CEMENT CONCRETE BARRIER CURB AND GUTTER PER DETAIL 1.1, SHEET 28.
- N2 CONSTRUCT 4-INCH DEPTH CEMENT CONCRETE SIDEWALK PER DETAILS 1.3 AND 1.5, SHEET 28.
- N3 INSTALL CURB RAMP TYPE PERPENDICULAR A AND DETECTABLE WARNING SURFACE PER WSDOT F-40.15 AND F-45.10.
- N4 CONSTRUCT CEMENT CONCRETE PEDESTRIAN CURB PER DETAIL 3.3, SHEET 28.
- N5 CONSTRUCT LIGHT ROADWAY SECTION PER DETAIL 2.1, SHEET 28.
- N6 CONSTRUCT HEAVY ROADWAY SECTION PER DETAIL 3.1, SHEET 28.
- N7 CONSTRUCT 6-INCH DEPTH CEMENT CONCRETE SIDEWALK (DRIVEWAY) PER DETAILS 1.3 AND 1.5, SHEET 28.
- N8 CONSTRUCT 2" WATER SERVICE, CONNECT TO EXISTING WATER MAIN AND EXISTING WATER SERVICE NEAR THE METER WITHIN THE STORM DRAIN TRENCH.
- N9 ADJUST VALVE BOX/METER BOX/MONITORING WELL/MANHOLE TO FINISH GRADE PER DETAILS 2.2, 2.3, AND 3.2, SHEET 28.
- N10 REROUTE WATER MAIN OVER NEW STORM DRAIN PIPE WITH RESTRAINED MJ FITTINGS, THRUST BLOCKS, AND COUPLINGS AS REQUIRED.

**SHARED TRENCH NOTES:**

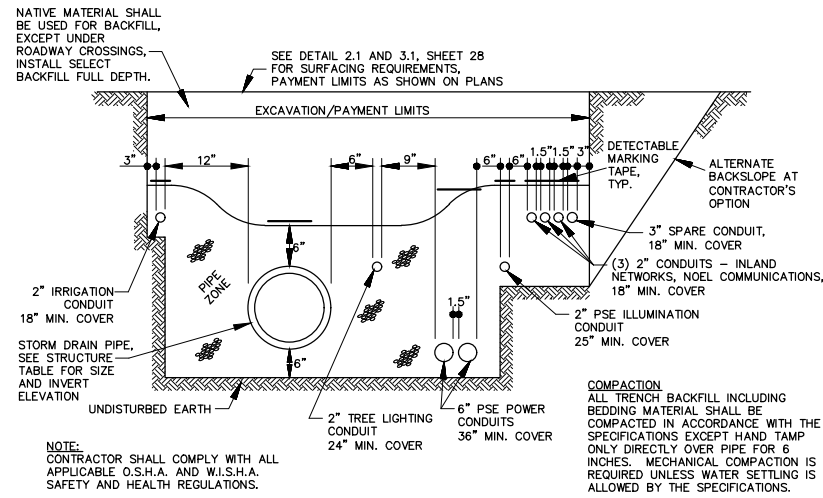
- N11 INSTALL 12" STORM DRAIN, 3" SPARE CONDUIT, 2" SPARE CONDUIT (TREE LIGHTING), 3" CASING WITH 2" IRRIGATION CONDUIT, 2" PSE ILLUMINATION CONDUIT, TWO 6" PSE POWER CONDUITS, 2" CENTURYLINK CONDUIT, 2" NOEL COMMUNICATIONS CONDUIT, AND TWO 2" INLAND CONDUITS.

NOTE: INSTALL CAPS AT ALL CONDUIT ENDS.

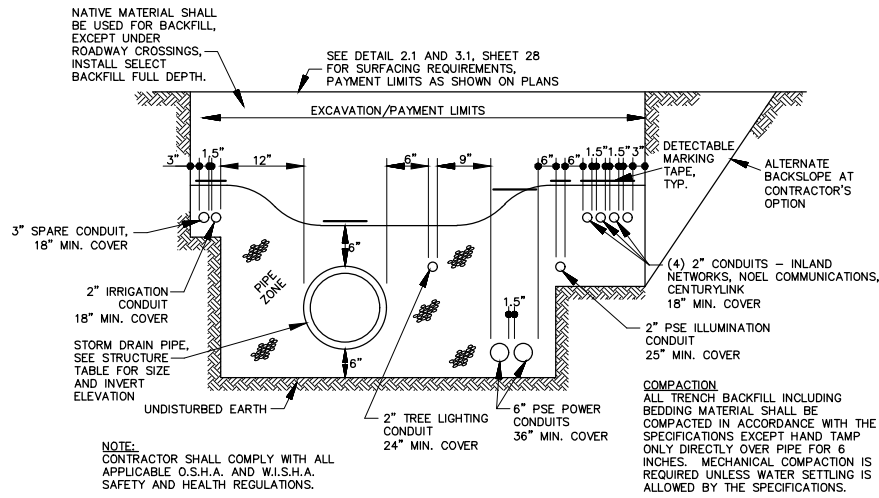


|  |   |                                    |   |                                     |  |                    |
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|  |   |                                    | FILE NAMES:<br>DRAWING: SHEETS.dwg<br>PLAN: 17089.dwg<br>PROFILE: 17089.dwg | DESIGNED BY: BAA<br>ENTERED BY: JBP |  | REVISION      DATE |

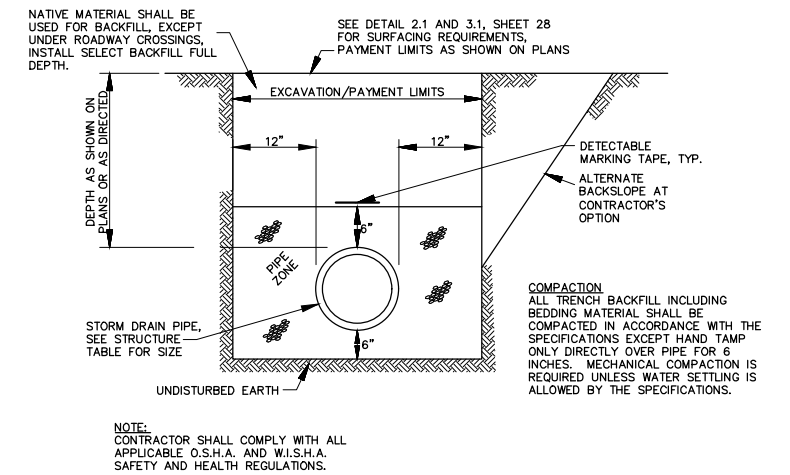




**TYPICAL SHARED TRENCH DETAIL  
(BILLINGS AVENUE)**  
NOT TO SCALE

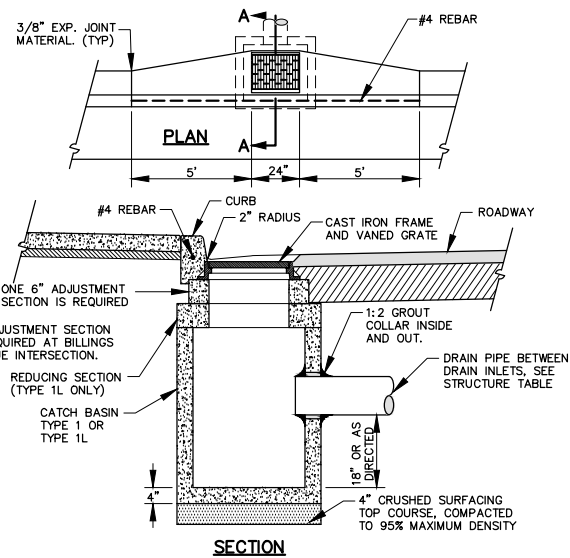


**TYPICAL SHARED TRENCH DETAIL  
(BULLITT AVENUE)**  
NOT TO SCALE

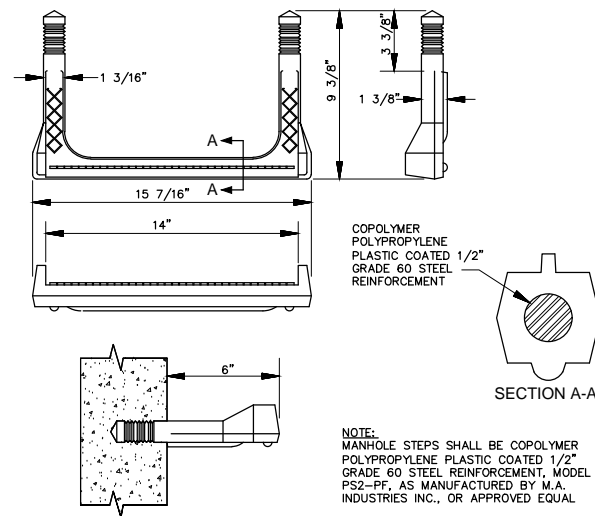


**TYPICAL STORM-ONLY TRENCH DETAIL**  
NOT TO SCALE

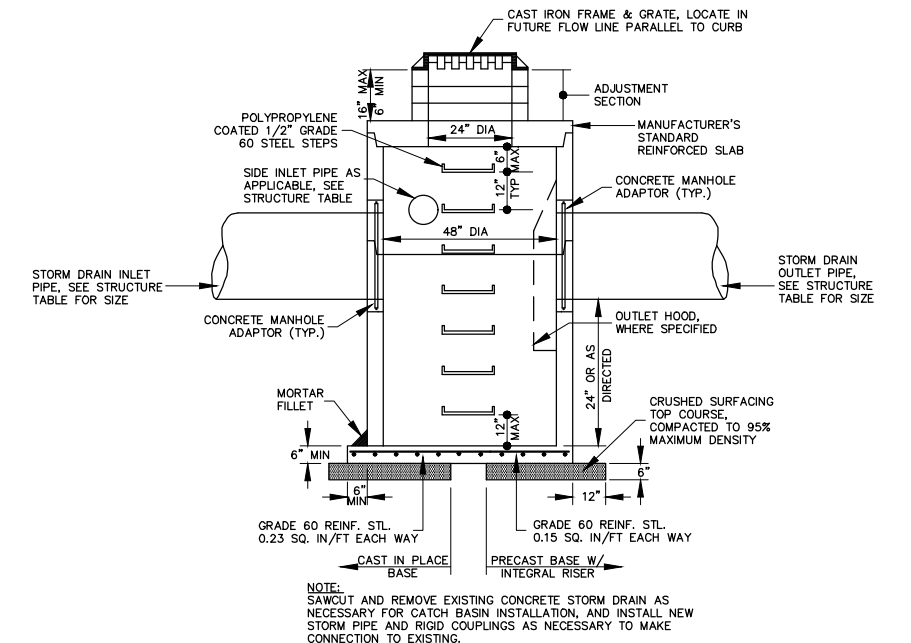
**NOTE:**  
TRENCH DETAILS SHOWN ARE FOR THOSE WITH THE MOST UTILITIES OCCUPYING THE SHARED TRENCH. SHARED TRENCH WIDTHS THROUGHOUT THE PROJECT SHALL BE ADJUSTED TO ACCOMMODATE THE SPACING FOR THOSE UTILITIES OCCUPYING THE TRENCH. TRENCH PAYMENT LIMITS ARE SHOWN ON THE PLANS.



**TYPE 1 OR 1L CATCH BASIN**  
NOT TO SCALE



**MANHOLE SAFETY STEP**  
NOT TO SCALE



**48\"/>**



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**PRELIMINARY  
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DESIGNED BY: BAA  
ENTERED BY: JBP

REVISION      DATE

**CITY OF CLE ELUM**  
**FIRST STREET STORMWATER AND BILLINGS AVENUE**  
**INTERSECTION IMPROVEMENTS**

**DRAINAGE DETAILS**

SHEET  
**25**  
OF  
**28**

| DRAINAGE STRUCTURE NOTES |                    |   |          |   |                    |
|--------------------------|--------------------|---|----------|---|--------------------|
| No.                      | STATION/OFFSET     | TYPE  | RIM ELEV | IE IN                                     | IE OUT             |
| ①                        | 2+10.5, 40.7' LT.  | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 67 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1912.25  | -   | 1910.25            |
| ②                        | 2+79.4, 49.5' LT.  | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 39 L.F. OF 12-INCH STORM DRAIN PIPE. INSTALL 30 L.F. OF 6-INCH STORM DRAIN PIPE TO NORTH AT S=1.0%, CAP FOR FUTURE CONNECTION.   | 1911.95  | 1909.91 (N)<br>1909.91 (W)                | 1909.45            |
| ③                        | 3+20.4, 50.2' LT.  | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 83 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1911.45  | 1908.95                                   | 1908.95            |
| ④                        | 2+13.0, 34.6' RT.  | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 60 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1912.35  | -   | 1909.85            |
| ⑤                        | 2+78.0, 74.3' RT.  | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 31 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1911.80  | -   | 1909.80            |
| ⑥                        | 2+73.3, 43.2' RT.  | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 58 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1912.00  | 1909.63 (S)<br>1909.55 (W)                | 1908.80            |
| ⑦                        | 3+20.2, 71.6' RT.  | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 39 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1911.75  | -   | 1909.75            |
| ⑧                        | 3+30.3, 34' RT.    | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 266 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.                 | 1911.95  | 1909.55 (S)<br>1908.54 (N)<br>1905.32 (W) | 1905.31            |
| ⑨                        | 5+96.5, 34' RT.    | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH OUTLET HOOD AND RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 51 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.  | 1910.80  | 1904.00                                   | 1903.99            |
| ⑩A                       | 6+46.9, 23.2' LT.  | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 51 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1910.95  | -   | 1908.95            |
| ⑩                        | 6+47.3, 28.7' RT.  | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 78 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.           | 1910.70  | 1908.69 (N)<br>1903.92 (W)                | 1903.62            |
| ⑪                        | 7+23.0, 81.5' RT.  | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE. INTERCEPT EXISTING STORM DRAIN TO SOUTH. PLUG AND ABANDON STORM DRAIN TO NORTH.   | 1910.30  | -   | APPROX.<br>1907.4± |
| ⑫                        | 7+25.2, 28.7' RT.  | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 156 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.          | 1910.55  | 1903.52                                   | 1903.51            |
| ⑬                        | 8+80.0, 33.1' LT.  | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 67 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1909.90  | -   | 1907.40            |
| ⑭                        | 8+81.0, 34' RT.    | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 159 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.                 | 1909.87  | 1906.91 (N)<br>1903.32 (W)                | 1901.39            |
| ⑮                        | 10+34.1, 33.1' LT. | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 67 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1909.75  | -   | 1907.25            |
| ⑯                        | 10+39.9, 34' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH OUTLET HOOD AND RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 120 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE. | 1909.63  | 1907.06 (N)<br>1901.20 (W)                | 1901.19            |
| ⑰                        | 11+52.7, 67.5' LT. | INSTALL NEW CATCH BASIN TYPE 1 WITH SINGLE DIRECTIONAL VANED GRATE AND 37 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1909.10  | -   | 1906.60            |
| ⑱                        | 11+54.5, 29.3' LT. | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 70 L.F. OF 12-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.           | 1909.90  | 1906.41                                   | 1906.41            |
| ⑲                        | 12+23.2, 69.4' LT. | INSTALL NEW CATCH BASIN TYPE 1 WITH SINGLE DIRECTIONAL VANED GRATE AND 39 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1909.15  | -   | 1906.65            |
| ⑳                        | 12+23.9, 29.3' LT. | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 64 L.F. OF 12-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.           | 1909.85  | 1906.06 (W)<br>1906.45 (N)                | 1906.06            |
| ㉑                        | 11+52.6, 84.3' RT. | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 50 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1909.30  | -   | 1906.80            |
| ㉒                        | 11+59.9, 34' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 60 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.           | 1909.70  | 1906.55 (S)<br>1901.04 (W)                | 1901.03            |
| ㉓                        | 12+25.5, 67.4' RT. | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 33 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1908.95  | -   | 1906.45            |
| ㉔                        | 12+19.6, 34' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 174 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.          | 1909.35  | 1906.28 (S)<br>1905.74 (N)<br>1900.95 (W) | 1900.94            |
| ㉕                        | 13+94.6, 31.4' LT. | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 65 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1908.70  | -   | 1906.20            |
| ㉖                        | 13+93.5, 34' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 213 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.          | 1908.66  | 1905.87 (N)<br>1900.73 (W)                | 1901.23            |
| ㉗                        | 15+95.7, 31.2' LT. | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 57 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1907.75  | -   | 1905.25            |
| ㉘                        | 16+52.0, 82.4' LT. | INSTALL NEW CATCH BASIN TYPE 1 WITH SINGLE DIRECTIONAL VANED GRATE AND 53 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1907.55  | -   | 1905.05            |

| DRAINAGE STRUCTURE NOTES |                    |   |          |   |                    |
|--------------------------|--------------------|---|----------|---|--------------------|
| No.                      | STATION/OFFSET     | TYPE  | RIM ELEV | IE IN   | IE OUT             |
| ⑳                        | 17+29.2, 81.7' LT. | INSTALL NEW CATCH BASIN TYPE 1 WITH SINGLE DIRECTIONAL VANED GRATE AND 52 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1907.50  | -   | 1905.00            |
| ㉑                        | 17+24.5, 28.8' LT. | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 71 L.F. OF 12-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.   | 1907.75  | 1904.74   | 1904.74            |
| ㉒                        | 16+53.3, 28.5' LT. | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 63 L.F. OF 12-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.   | 1907.80  | 1904.95 (W)<br>1904.78 (N)<br>1904.38 (E)                       | 1904.38            |
| ㉓                        | 16+06.8, 34' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 53 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.   | 1907.60  | 1900.97   | 1901.45            |
| ㉔                        | 16+52.0, 84.5' RT. | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 50 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1907.70  | -   | 1905.20            |
| ㉕                        | 16+59.9, 34' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 60 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.   | 1907.60  | 1904.95 (S)<br>1904.06 (N)<br>1901.38 (W)                       | 1901.85            |
| ㉖                        | 17+29.7, 84.2' RT. | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 50 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1907.40  | -   | 1904.90            |
| ㉗                        | 17+19.6, 34' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 277 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.  | 1907.70  | 1904.65 (S)<br>1901.78 (W)                                      | 1901.77            |
| ㉘                        | 19+95.6, 30.7' LT. | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 56 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1906.75  | -   | 1904.25            |
| ㉙                        | 20+51.8, 77.2' LT. | INSTALL NEW CATCH BASIN TYPE 1 WITH SINGLE DIRECTIONAL VANED GRATE AND 38 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1906.35  | -   | 1903.85            |
| ㉚                        | 20+52.5, 36.6' LT. | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 54 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1906.15  | 1903.65 (N)<br>1903.97 (W)                                      | 1903.65            |
| ㉛                        | 21+08.6, 78.1' LT. | INSTALL NEW CATCH BASIN TYPE 1 WITH SINGLE DIRECTIONAL VANED GRATE AND 40 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1906.75  | -   | 1904.25            |
| ㉜                        | 21+06.8, 36.8' LT. | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 72 L.F. OF 12-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.   | 1906.15  | 1903.65 (N)<br>1903.38 (E,W)                                    | 1903.38            |
| ㉝                        | 19+87.7, 34' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH OUTLET HOOD AND RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 53 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.  | 1906.32  | 1901.44   | 1901.43            |
| ㉞                        | 20+49.9, 34' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 59 L.F. OF 24-INCH STORM DRAIN PIPE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.   | 1906.30  | 1901.37   | 1901.36            |
| ㉟                        | 21+08.8, 35' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.   | 1906.45  | 1903.02 (N)<br>1901.29 (W)                                      | APPROX.<br>1901.2± |
| ㊱                        | 22+00.0, 33' LT.   | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 92 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1906.35  | -   | 1903.85            |
| ㊲                        | 22+59.0, 34' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE. FUTURE RIM ELEVATION IS 1906.10.  | 1906.25  | APPROX.<br>1900.7± (W)  | APPROX.<br>1900.7± |
| ㊳                        | 23+70.2, 33' LT.   | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 60 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1906.10  | -   | 1903.60            |
| ㊴                        | 24+31.9, 35.3' LT. | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 54 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1906.05  | 1903.30   | 1903.30            |
| ㊵                        | 24+87.1, 35.5' LT. | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 69 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1906.05  | 1903.03   | 1903.03            |
| ㊶                        | 23+76.5, 34' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH OUTLET HOOD AND RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE. FUTURE RIM ELEVATION IS 1906.01.  | 1906.15  | APPROX.<br>1900.3±  | APPROX.<br>1900.3± |
| ㊷                        | 24+30.4, 35' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 7 L.F. OF 12-INCH STORM DRAIN PIPE. CUT AND CONNECT EXISTING DRAIN PIPE TO NEW STORM DRAIN WITH FITTINGS AS REQUIRED. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE. CONFIRM SOUTH IE PRIOR TO CORING CATCH BASIN.                                | 1906.25  | APPROX.<br>1904.2± (S)<br>APPROX.<br>1900.1± (W)                | APPROX.<br>1900.1± |
| ㊸                        | 24+88.5, 35' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE AND 10 L.F. (S) AND 4 L.F. (SW) OF 12-INCH STORM DRAIN PIPE. CUT AND CONNECT EXISTING S AND SW DRAIN PIPES TO NEW STORM DRAIN WITH FITTINGS AS REQUIRED. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE. CONFIRM SOUTH IE PRIOR TO CORING CATCH BASIN. | 1906.20  | 1902.68 (N)<br>APPROX.<br>1904.5± (S)<br>APPROX.<br>1899.9± (W) | APPROX.<br>1899.9± |
| ㊹                        | 26+63.0, 33' LT.   | INSTALL NEW CATCH BASIN TYPE 1 WITH BI-DIRECTIONAL VANED GRATE AND 66 L.F. OF 12-INCH STORM DRAIN PIPE.   | 1905.75  | -   | 1903.25            |
| ㊺                        | 26+67.0, 34' RT.   | INSTALL NEW CATCH BASIN TYPE 2 48 IN. DIAM WITH OUTLET HOOD AND RECTANGULAR FRAME WITH BI-DIRECTIONAL VANED GRATE. ROTATE TOP SLAB SO GRATE LIES WITHIN FUTURE GUTTER FLOW LINE AND PROVIDE GRADE RINGS FOR ADJUSTMENT TO FINISH GRADE.   | 1905.75  | 1902.92 (N)<br>APPROX.<br>1899.2± (W)                           | APPROX.<br>1899.2± |

NOTE:

CONTRACTOR TO VERIFY EXISTING INVERTS AT CONNECTION LOCATIONS AND AT ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION. CONTACT ENGINEER IF ALIGNMENT OR INVERTS ARE DIFFERENT THAN SHOWN.



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**PRELIMINARY**  
SUBJECT TO REVISION

CDBG NO. 17-62210-044  
FHWA NO. STPR-0903

JOB NUMBER: 17089  
DATE: 3-29-19

FILE NAMES:  
DRAWING: SHEETS.dwg  
PLAN: 17089.dwg  
PROFILE: 17089.dwg

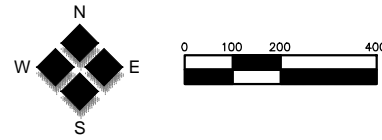
DESIGNED BY: BAA  
ENTERED BY: JBP

REVISION DATE

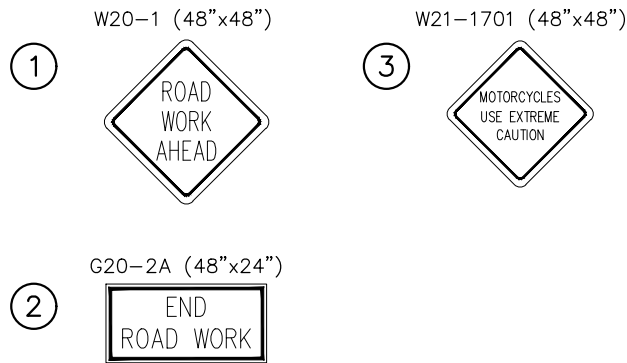
**CITY OF CLE ELUM**  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

DRAINAGE TABLE

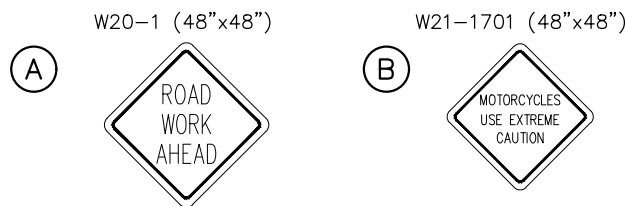
SHEET  
26  
OF  
28



**CLASS "A" CONSTRUCTION SIGNS**



**CLASS "B" CONSTRUCTION SIGNS**



**NOTES:**

1. SIGNS (1) AND (2) SHALL TYPICALLY BE PLACED 500'± FROM BEGINNING AND END OF CONSTRUCTION. SIGN (3) SHALL TYPICALLY BE INSTALLED 200'± FROM THE START OF CONSTRUCTION.
2. AT LOCATIONS WHERE IT IS NOT POSSIBLE TO SET A POST, THE SIGNS MAY BE BANNED TO EXISTING LIGHT OR UTILITY POLES IF ALLOWED BY THE UTILITY AND CITY.
3. SIGNS (A) AND (B) SHALL BE CLASS B AND SET WHEN CONSTRUCTION IMPACTS ADJACENT INTERSECTIONS.



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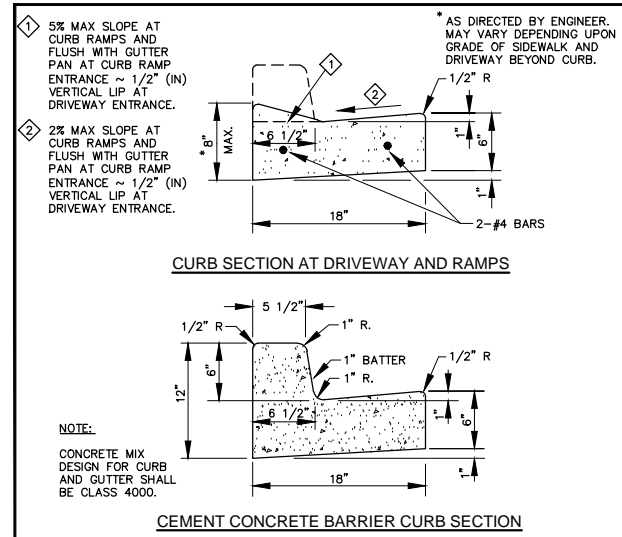
DESIGNED BY: BAA  
ENTERED BY: JBP

**CITY OF CLE ELUM**  
**FIRST STREET STORMWATER AND BILLINGS AVENUE**  
**INTERSECTION IMPROVEMENTS**

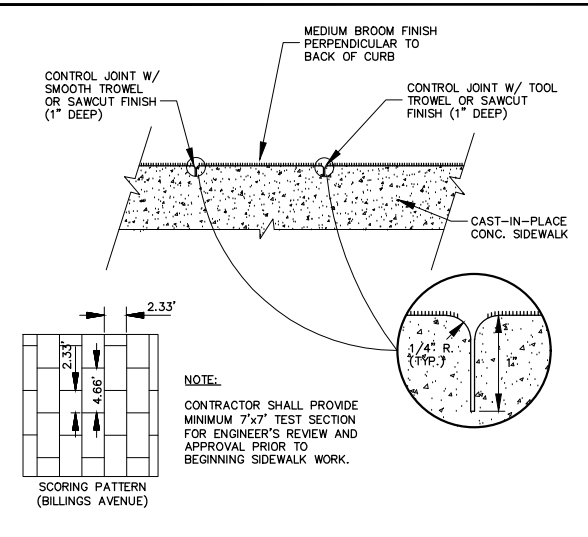
CLASS 'A' AND CLASS 'B' SIGNING PLAN

SHEET  
27  
OF  
28

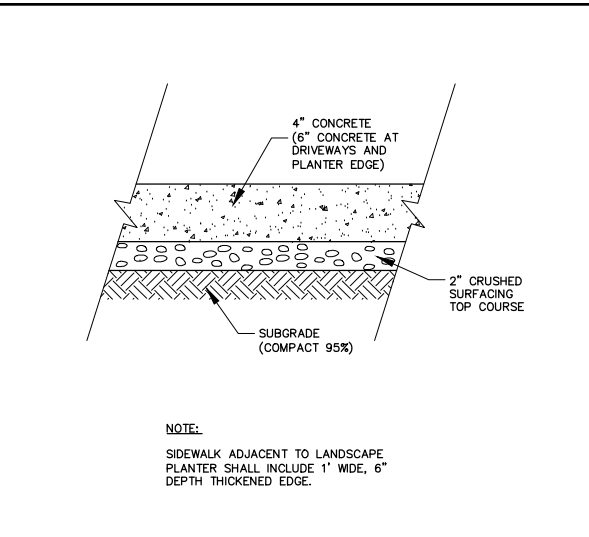
REVISION      DATE



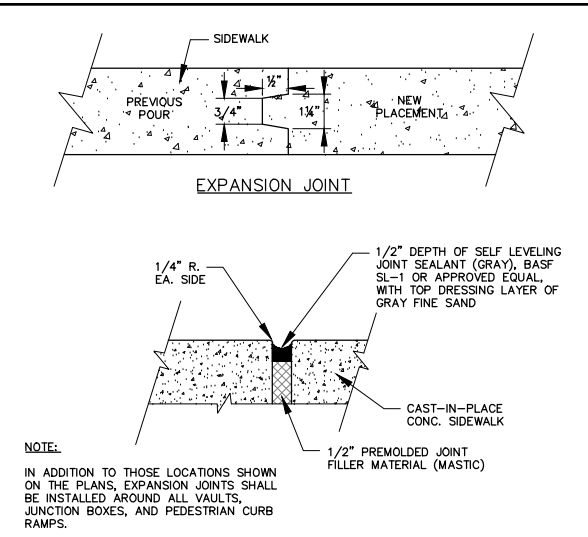
1.1 CEMENT CONC. BARRIER CURB AND GUTTER  
NOT TO SCALE



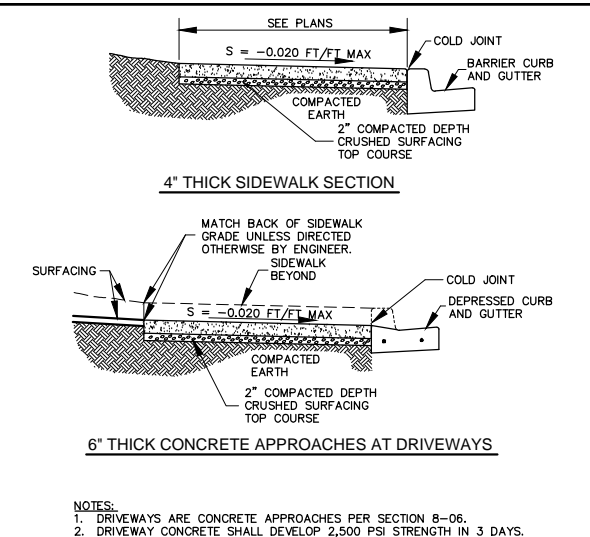
1.2 CONTRACTION JOINT SCORELINES  
NOT TO SCALE



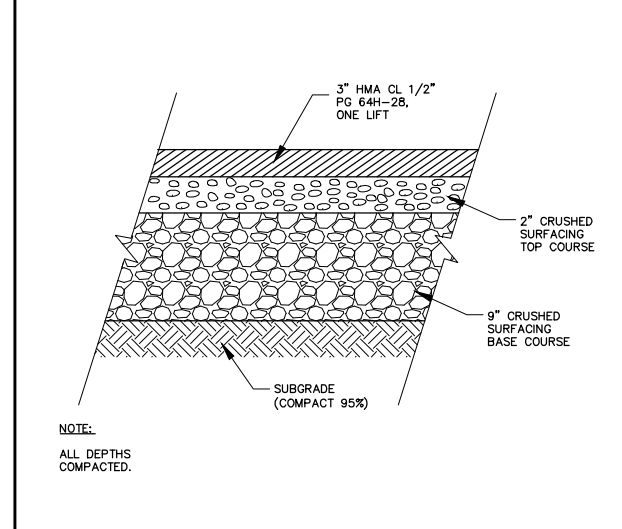
1.3 SIDEWALK & RAMP SECTION (TYP.)  
NOT TO SCALE



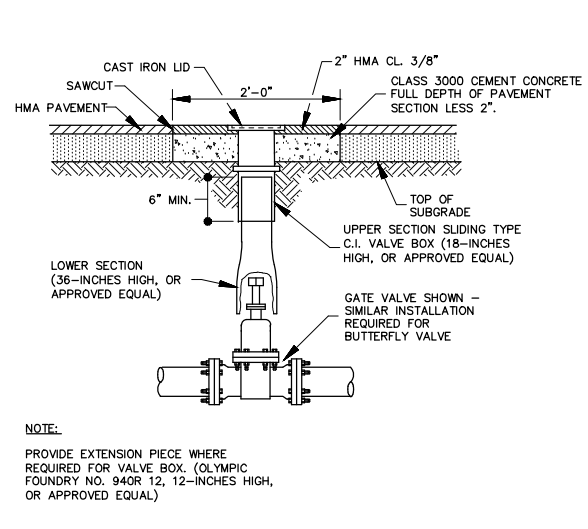
1.4 SIDEWALK JOINT DETAIL  
NOT TO SCALE



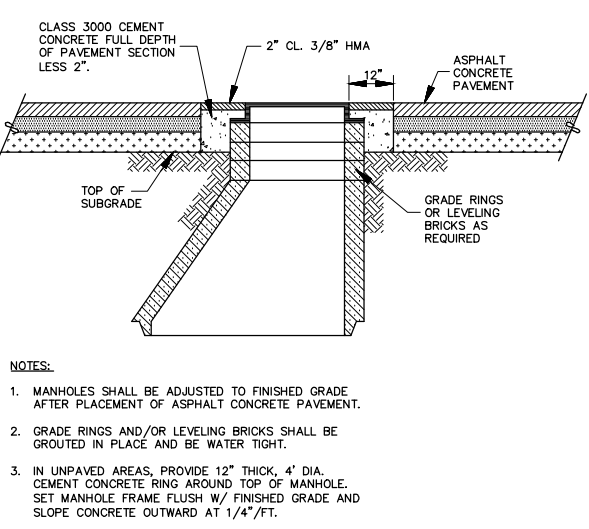
1.5 SIDEWALK SECTIONS  
NOT TO SCALE



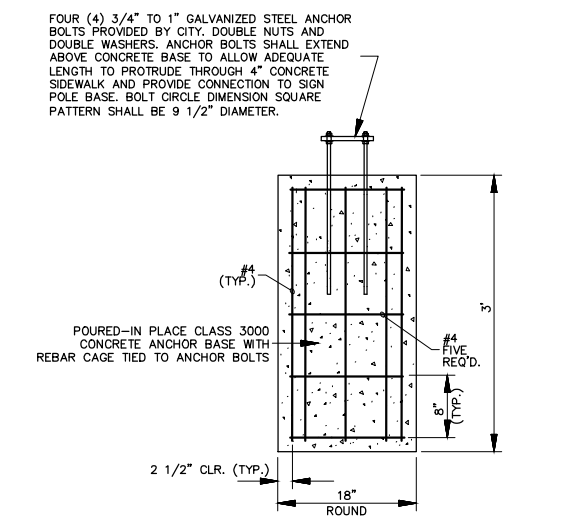
2.1 TYPICAL LIGHT ROADWAY SECTION  
NOT TO SCALE



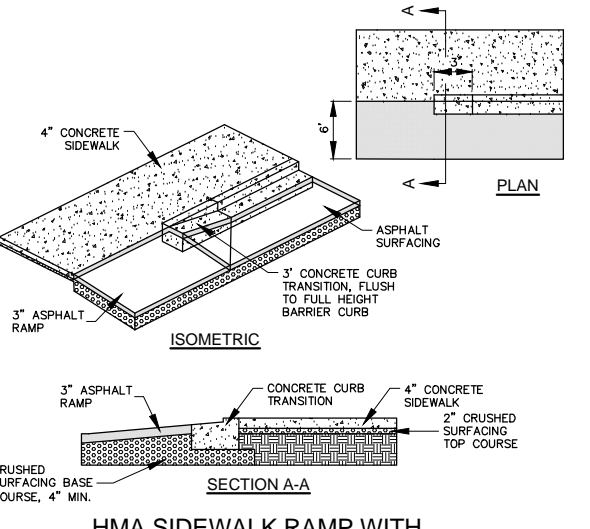
2.2 WATER VALVE BOX - IN PAVEMENT  
NOT TO SCALE



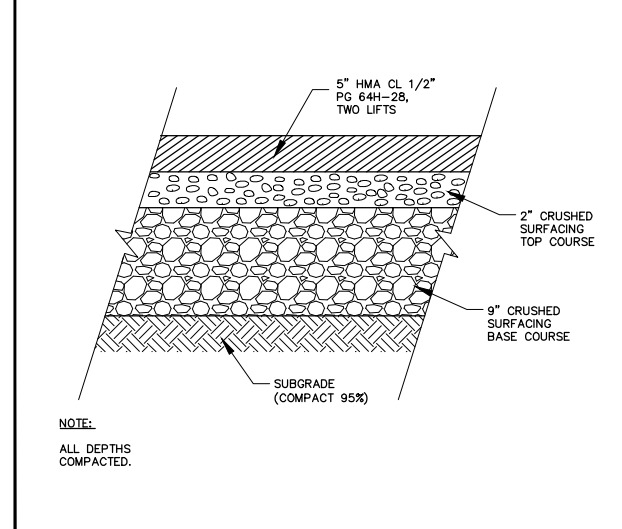
2.3 MANHOLE ADJUSTMENT DETAIL  
NOT TO SCALE



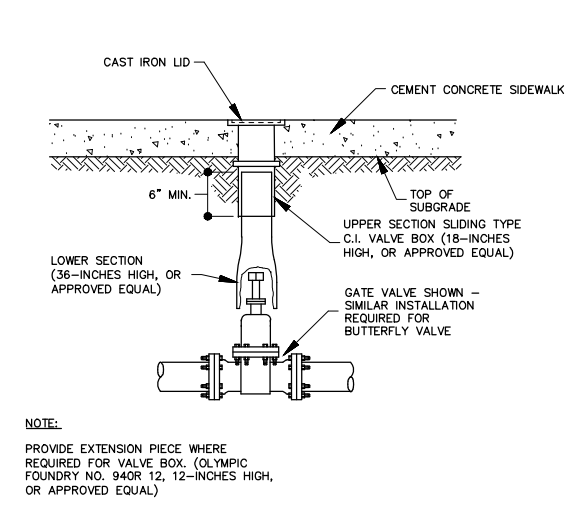
2.4 SIGN POLE FOUNDATION  
NOT TO SCALE



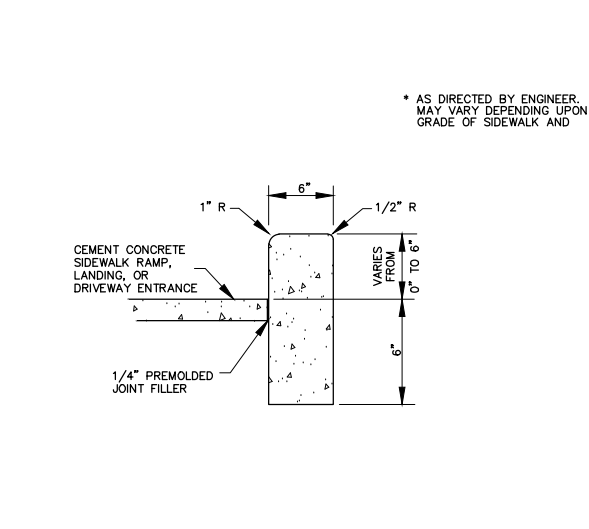
2.5 HMA SIDEWALK RAMP WITH CEMENT CONC. CURB TRANSITION  
NOT TO SCALE



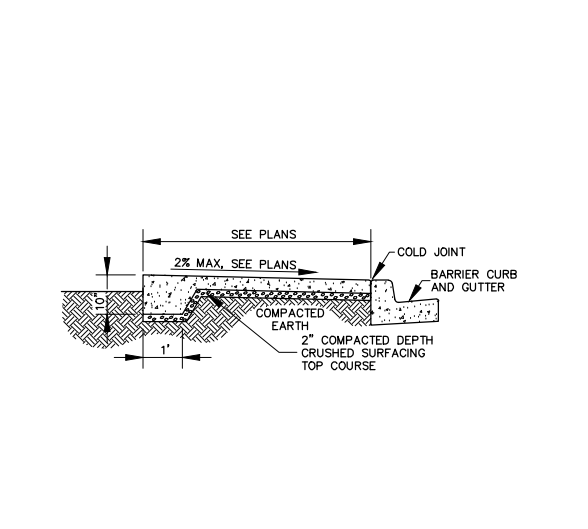
3.1 TYPICAL HEAVY ROADWAY SECTION  
NOT TO SCALE



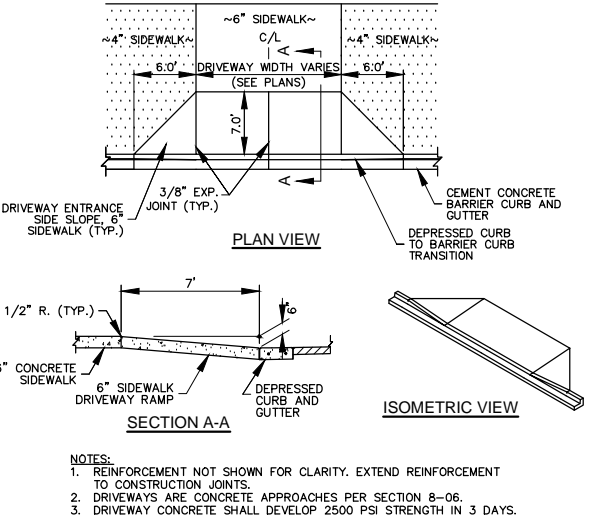
3.2 WATER VALVE BOX - IN CONCRETE  
NOT TO SCALE



3.3 CONCRETE PEDESTRIAN CURB & GUTTER  
NOT TO SCALE



3.4 THICKENED EDGE SIDEWALK  
NOT TO SCALE



3.5 DRIVEWAY APPROACH  
NOT TO SCALE

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PRELIMINARY  
SUBJECT TO REVISION

|   |      |                     |               |
|---|------|---------------------|---------------|
| CDBG NO. 17-62210-044<br>FHWA NO. STPR-0903 |      | JOB NUMBER: 17089   | DATE: 3-29-19 |
|   |      | FILE NAMES:         |               |
|   |      | DRAWING: SHEETS.dwg |               |
|   |      | PLAN: 17089.dwg     |               |
|   |      | PROFILE: 17089.dwg  |               |
| DESIGNED BY: BAA                            |      |                     |               |
| ENTERED BY: JBP                             |      |                     |               |
| REVISION                                    | DATE |                     |               |

**CITY OF CLE ELUM**  
FIRST STREET STORMWATER AND BILLINGS AVENUE  
INTERSECTION IMPROVEMENTS

PROJECT DETAILS