

VICINITY MAP
NOT TO SCALE

CITY OF CLE ELUM

KITTITAS COUNTY

WASHINGTON

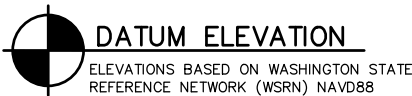
STAFFORD AVENUE CORRIDOR IMPROVEMENTS

CDBG PROJECT NO. 21-62210-026
HLA PROJECT NO. 21241

OCTOBER 2024

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DATUM ELEVATION

ELEVATIONS BASED ON WASHINGTON STATE
REFERENCE NETWORK (WSRN) NAVD88

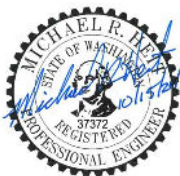


Know what's below.
Call before you dig.

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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CDBG PROJECT NO. 21-62210-026

		JOB NUMBER: 21241	DATE: 10-15-24
		FILE NAMES:	
		DRAWING:	SHEETS.dwg
		PLAN:	21241.dwg
		PROFILE:	21241.dwg
		DESIGNED BY:	MRH
		ENTERED BY:	AJH
REVISION	DATE		

CITY OF CLE ELUM
STAFFORD AVENUE CORRIDOR
IMPROVEMENTS

COVER SHEET

SHEET
1
OF
30

LEGEND

	EXISTING RIGHT-OF-WAY
	EXISTING CENTERLINE
	EXISTING EASEMENT
	EXISTING SECTION LINE
	EXISTING FENCE
	EXISTING WATER
	EXISTING SEWER
	EXISTING STORM DRAINAGE
	EXISTING NATURAL GAS
	EXISTING CULVERT
	EXISTING OVERHEAD POWER
	EXISTING OVERHEAD TELEPHONE
	EXISTING UNDERGROUND POWER
	EXISTING TELEPHONE
	EXISTING FIBER OPTIC
	EXISTING CABLE TV
	EXISTING ELECTRICAL
	EXISTING BLACK WATER
	EXISTING CHLORINE
	EXISTING DIGESTED SLUDGE
	EXISTING EFFLUENT
	EXISTING IRRIGATION
	EXISTING FORCE MAIN
	EXISTING GRAY WATER
	EXISTING HOT WATER SUPPLY
	EXISTING INDUSTRIAL WASTE
	EXISTING INFLUENT
	EXISTING GUY LINE
	EXISTING RAW SEWER
	EXISTING SLUDGE
	EXISTING TREATED BLACK WATER
	EXISTING TREATED WATER
	EXISTING UNDER DRAIN
	EXISTING VENT
	EXISTING WASTE ACTIVATED SLUDGE
	EXISTING RAILROAD
	EXISTING DECIDUOUS TREE
	EXISTING EVERGREEN TREE
	EXISTING SHRUB
	EXISTING STUMP
	ASPHALT AREAS
	CONCRETE AREAS

	EXISTING MONUMENT FOUND
	EXISTING PROPERTY CORNER FOUND
	5/8" REBAR WITH CAP #3132 SET
	EXISTING WATERMAIN BLOWOFF
	EXISTING IRRIGATION VALVE
	EXISTING FIRE HYDRANT
	EXISTING PIV
	EXISTING FDC
	EXISTING WATER VALVE
	EXISTING WATER METER
	EXISTING WATER MANHOLE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING CLEANOUT
	EXISTING STORM DRAIN DRYWELL
	EXISTING CATCH BASIN
	EXISTING STORM DRAIN MANHOLE
	EXISTING TELEPHONE MANHOLE
	EXISTING POWER MANHOLE
	EXISTING IRRIGATION MANHOLE
	EXISTING GAS METER
	EXISTING GAS VALVE
	EXISTING SIGN
	EXISTING MARKER SIGN
	EXISTING ANCHOR POLE
	EXISTING PULL BOX
	EXISTING TELEPHONE PED
	EXISTING UTILITY POLE
	EXISTING LIGHT
	EXISTING PEDESTRIAN/YARD LIGHT
	EXISTING TRAFFIC SIGNAL
	EXISTING PUSH BUTTON SIGNAL
	EXISTING WOOD POST
	EXISTING STEEL POST
	EXISTING HOSE BIB
	EXISTING SPRINKLER
	EXISTING STAND PIPE
	EXISTING WELL
	EXISTING MAIL BOX
	EXISTING FLAG POLE
	EXISTING WIND MACHINE

	NEW HMA
	NEW CEMENT CONCRETE SIDEWALK
	NEW PEDESTRIAN CURB RAMP
	NEW CURB AND GUTTER
	NEW SEWER LINE
	NEW WATER LINE
	NEW STORM DRAIN LINE
	NEW ELECTRICAL LINE
	NEW GAS LINE
	NEW AND/OR RELOCATED CHAIN LINK FENCE
	NEW MONUMENT
	NEW MANHOLE/CATCH BASIN TYPE 2
	NEW CATCH BASIN TYPE 1
	NEW DRYWELL
	NEW SEWER CLEANOUT
	NEW JUNCTION BOX
	NEW SERVICE BOX
	NEW STREET LIGHT
	NEW PEDESTRIAN LIGHT
	NEW UTILITY POLE
	NEW FIRE HYDRANT
	NEW FIRE DEPARTMENT CONNECTION
	NEW WATER VALVE
	NEW BLOW OFF VALVE
	NEW REDUCER
	NEW THRUST BLOCK
	NEW WATER METER
	NEW GAS METER
	NEW BOLLARD
	NEW MAILBOX
	NEW SIGN
	NEW RADIUS POINT
	ELEVATION AT TOP BACK OF CURB
	ELEVATION AT FLOWLINE OR SURFACE

GENERAL PROJECT NOTES

- ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED THE OWNER'S SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE CITY OF CLE ELUM PUBLIC WORKS REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATION. ALL SITE AND UTILITY CONSTRUCTION SHALL CONFORM TO THE CURRENT 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 CITY OF CLE ELUM FOR PRIVATE CONSTRUCTION OF PUBLIC FACILITIES. 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 CITY OF CLE ELUM. ANY IMPROVEMENTS NOT COVERED BY THE CITY OF CLE ELUM OR PROJECT SPECIFICATIONS SHALL USE THE 2023 EDITION OF THE WSDOT STANDARD SPECIFICATIONS. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY, OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS.
- A PRECONSTRUCTION MEETING WITH THE LOCAL JURISDICTION/PUBLIC WORKS DEPARTMENT, WSDOT, THE ENGINEER, THE CONTRACTOR, AND INTERESTED UTILITY COMPANIES SHALL BE HELD A MINIMUM OF ONE WEEK PRIOR TO BEGINNING CONSTRUCTION. 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 AND EXTENSION AGREEMENTS NEEDED FOR THE JOB, ON-SITE AT ALL TIMES.
- 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 SUBMIT A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH MUTCD 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.
- 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.
- 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 KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
- 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 7:00 P.M. MONDAY THROUGH FRIDAY UNLESS OTHERWISE APPROVED BY THE CONTRACTING AGENCY.
- CONTRACTOR SHALL MAINTAIN ACCESS TO BUSINESSES AND/OR RESIDENCES AT ALL TIMES DURING CONSTRUCTION.
- IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR FEET OR MORE IN DEPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF WSDOT/APWA SECTION 2-09.3(3)B, IT SHALL BE SHORED AND CRIBBED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR WORKER SAFETY AND THE ENGINEER ASSUMES NO RESPONSIBILITY. ALL TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, AND AVAILABLE TO THE CITY OF CLE ELUM INSPECTOR 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 STRUCTURAL 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 AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTOR'S SCHEDULE FOR THIS PROJECT, WHETHER SHOWN OR NOT SHOWN AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTEMPLATED IN THESE PLANS.
- 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 POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- UNDERGROUND UTILITIES SHALL BE INSTALLED, INSPECTED, AND APPROVED BEFORE BACKFILLING.
- ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.

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 POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE REQUEST UTILITY LOCATION CENTER (811) AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL 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 CITY OF CLE ELUM 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.
- CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE. NO BURNING WILL BE ALLOWED. THE CONTRACTOR SHALL BE REQUIRED TO SECURE AND OPERATE HIS OWN WASTE DISPOSAL SITE AT HIS OWN EXPENSE FOR THE DISPOSAL OF ALL UNSUITABLE MATERIAL, ASPHALT, CONCRETE, DEBRIS, WASTE MATERIAL, AND ANY OTHER OBJECTIONABLE MATERIAL WHICH IS DIRECTED TO WASTE. NO DEBRIS, INCLUDING CONCRETE OR ASPHALT, MAY BE PLACED IN ANY FILL AREAS. THE CONTRACTOR SHALL COMPLY WITH THE STATE OF WASHINGTON REGULATIONS REGARDING DISPOSAL OF WASTE MATERIAL AS OUTLINED IN WAC 173-304, SUBCHAPTER 461.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY PERTINENT LOCATIONS AND ELEVATIONS OF UTILITY CONNECTION POINTS AND UTILITY CROSSINGS. CONTRACTOR SHALL 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.
- 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 ECOLOGY CENTRAL REGIONAL OFFICE. A METHOD OF DUST CONTROL DURING CONSTRUCTION SHALL BE SUBMITTED TO AND APPROVED BY THE ECOLOGY CENTRAL REGIONAL OFFICE. A WRITTEN COPY OF THEIR APPROVAL SHALL BE PROVIDED TO THE CITY OF CLE ELUM. THE CONTRACTOR SHALL DESIGNATE A PROJECT COORDINATOR FOR CONTACT DURING CONSTRUCTION REGARDING ALLEGED AIR QUALITY VIOLATIONS AND OTHER COMPLAINTS.
- 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.

GENERAL SITE CLEARING/ DEMOLITION NOTES

- THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM ALL UTILITY COMPANIES PRIOR TO ANY DEMOLITION WORK OR DISCONNECTION OF ANY SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL REQUIREMENTS OF THE RESPECTIVE UTILITY COMPANIES.
- ALL VACATED UTILITIES INCLUDING STORM SEWER, SANITARY SEWER, AND WATER MAINS SHALL BE COMPLETELY REMOVED FROM THE GROUND UNLESS OTHERWISE SPECIFIED.
- 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 STRUCTURES, INCLUDING SLABS, AND FOUNDATIONS, SHALL BE COMPLETELY REMOVED FROM THE SITE. ALL EXCAVATED AREAS SHALL BE BACKFILLED WITH SUITABLE NATIVE AND COMPACTED TO 95% OF MAXIMUM DENSITY.
- NO EXISTING UTILITY, STRUCTURES, OR UNDERGROUND IMPROVEMENTS SHALL BE ABANDONED IN PLACE WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER, OWNER, AND GOVERNING AGENCY.
- ALL CLEARING 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.
- COST OF ALL PERMITS IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED AS PART OF THE CONTRACT.
- ALL EXISTING BUSHES, TREES, AND TREE ROOTS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE NOTED.
- ALL EROSION CONTROL MEASURES FOR THE SITE PERIMETER OR TO PROTECT EXISTING IMPROVEMENTS SHALL BE IN PLACE PRIOR TO THE START OF ANY DEMOLITION ACTIVITIES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE EXISTING STRUCTURES FOR ANY CONDITIONS WHICH MAY AFFECT THE DEMOLITION PROCEDURES. CONFLICTS SHOULD BE NOTED TO THE ENGINEER.
- ANY CONDITIONS WHICH MAY BE 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 THE ADDITIONAL WORK BEING PERFORMED.
- THE CONTRACTOR SHALL PROVIDE WATER ON SITE FOR DUST ABATEMENT AT ALL TIMES DURING CLEARING ACTIVITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROPRIATE DISPOSAL OF ALL DEBRIS. BURNING ON SITE SHALL NOT BE PERMITTED. NO DEBRIS, INCLUDING CONCRETE OR ASPHALT, MAY BE PLACED IN ANY FILL AREAS UNLESS COORDINATION WITH AND APPROVAL OF THE ENGINEER IS OBTAINED PRIOR TO PLACEMENT.
- ANY DAMAGE TO PUBLIC UTILITIES OR ADJACENT PROPERTIES AS A RESULT OF THE CLEARING ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DAMAGE REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. REPAIRS SHALL BE MADE IN A TIMELY MANNER TO THE SATISFACTION OF THE DAMAGED PARTY.

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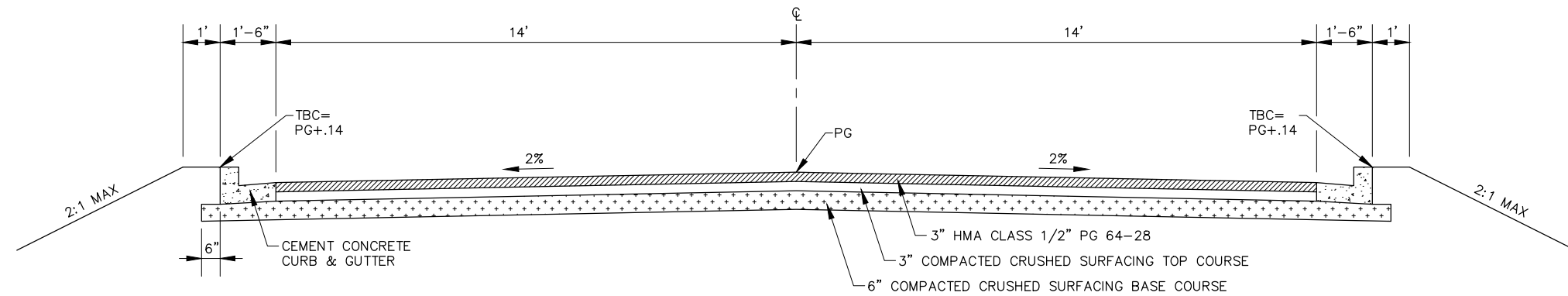


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CITY OF CLE ELUM
STAFFORD AVENUE CORRIDOR
IMPROVEMENTS

LEGEND AND GENERAL NOTES

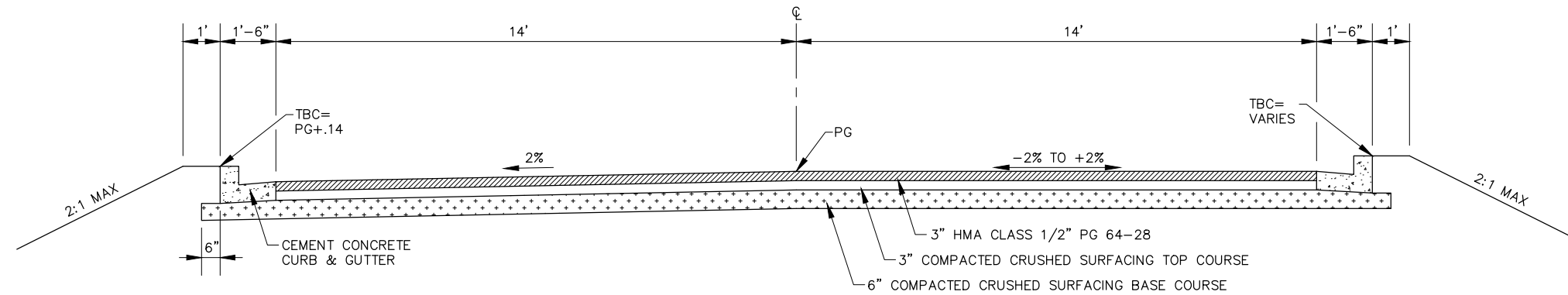
SHEET
2
OF
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NOTES:
 1. ALL THICKNESSES ARE COMPACTED DEPTHS.
 2. BACK SLOPES SHALL BE 2:1 UNLESS OTHERWISE SHOWN ON PLANS.

TYPICAL ROADWAY SECTION - A

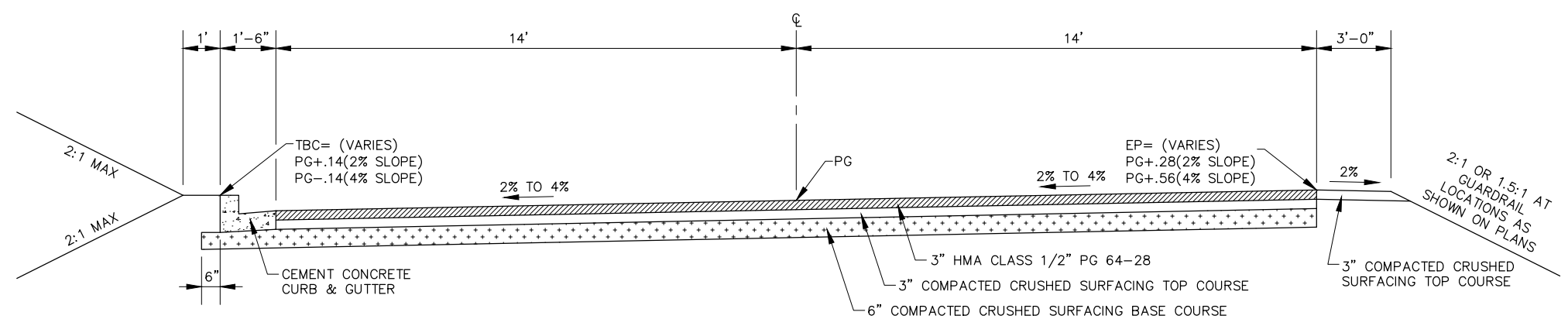
NOT TO SCALE STA. 2+74.12 TO STA. 6+00.00



NOTES:
 1. ALL THICKNESSES ARE COMPACTED DEPTHS.
 2. BACK SLOPES SHALL BE 2:1 UNLESS OTHERWISE SHOWN ON PLANS.

TYPICAL ROADWAY SECTION - B

NOT TO SCALE STA. 6+00.00 TO STA. 6+83.50



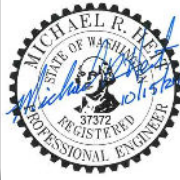
NOTES:
 1. ALL THICKNESSES ARE COMPACTED DEPTHS.
 2. BACK SLOPES SHALL BE 2:1 UNLESS OTHERWISE SHOWN ON PLANS.

TYPICAL ROADWAY SECTION - C

NOT TO SCALE 2% SUPER - STA. 6+83.50 TO STA. 8+50.00
 4% SUPER - STA. 11+02.00 TO STA. 12+01.28
 TRANSITION FROM 12+01.28 TO STA. 13+50.00



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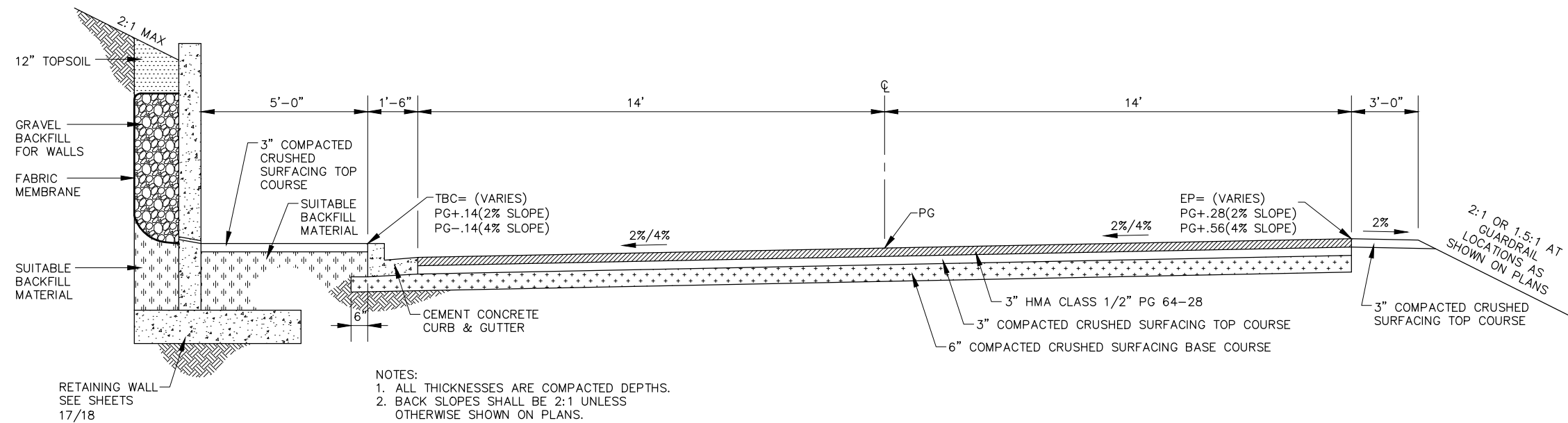
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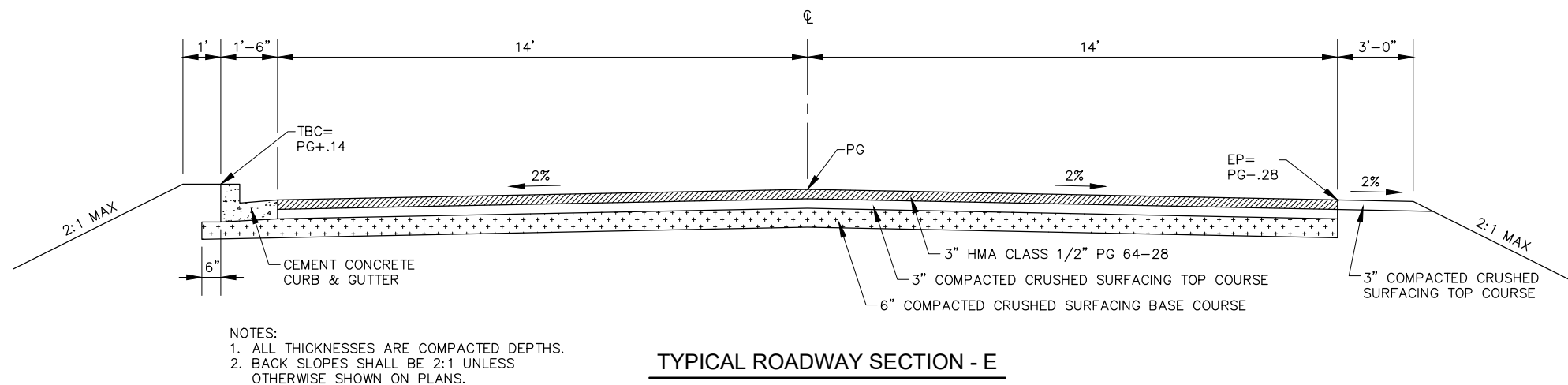
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IMPROVEMENTS
TYPICAL SECTIONS

SHEET
3
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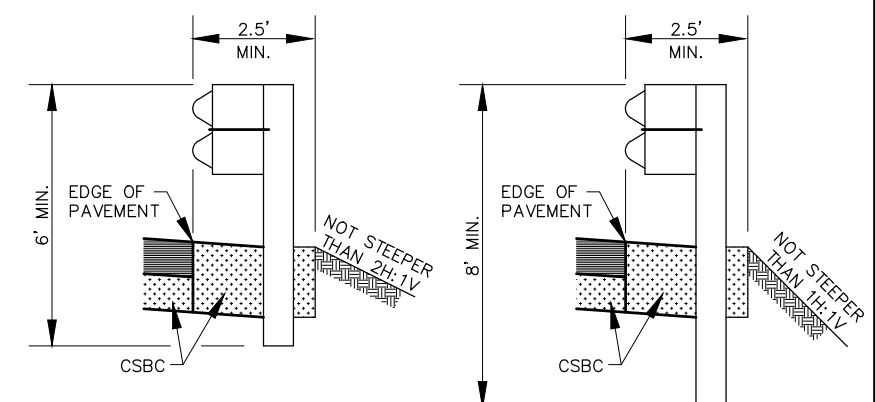
TYPICAL ROADWAY SECTION - D

NOT TO SCALE
 2% SUPER - STA. 8+50.00 TO STA. 9+90.00
 TRANSITION 9+90.00 TO 10+76.60
 4% SUPER - STA. 10+76.60 TO STA. 11+02.00



TYPICAL ROADWAY SECTION - E

NOT TO SCALE
 STA. 13+50 TO STA. 15+06.07

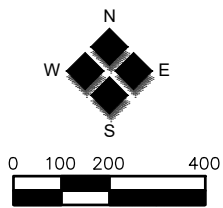


BEAM GUARDRAIL TYPE 31
6 FT LONG POST

BEAM GUARDRAIL TYPE 31
8 FT LONG POST

BEAM GUARDRAIL INSTALLATION

NOT TO SCALE



CLASS 'A' CONSTRUCTION SIGNS

W20-1 (48"x48")

W21-1701 (48"x48")

①



③



G20-2A (48"x24")

②



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) THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH THE MUTCD, TO THE CITY OF CLE ELUM FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
- 3) THE CONTRACTOR'S TCS IS RESPONSIBLE FOR FINAL PLACEMENT OF SIGNS.
- 4) STAFFORD AVE. MAY BE CLOSED TO THROUGH TRAFFIC DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ACCESS TO LOCAL RESIDENCES, INCLUDING THOSE WITHIN THE WORK ZONE, AT ALL TIMES EXCEPT DURING PAVING OPERATIONS. THE CONTRACTOR SHALL ADOPT (IN WRITING) THESE TRAFFIC CONTROL PLANS OR PROVIDE ALTERNATE PLANS FOR CONSIDERATION BY THE ENGINEER. ANY ADDITIONAL TRAFFIC CONTROL PLANS NEEDED TO COMPLETE THE WORK AS SHOWN ON THE PLANS SHALL BE SUBMITTED TO THE CITY FOR REVIEW.



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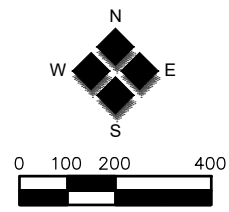
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		PLAN:	21241.dwg
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		DESIGNED BY:	MRH
		ENTERED BY:	AJH
REVISION	DATE		

CITY OF CLE ELUM
STAFFORD AVENUE CORRIDOR
IMPROVEMENTS


CLASS 'A' SIGNING PLAN

SHEET
5
OF
30




CONSTRUCTION
SIGNS

①




M4-9L
(30"x24")

②



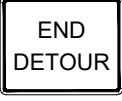
M4-9R
(30"x24")

③




M4-9U
(30"x24")

④




END
DETOUR
M4-8A
(30"x24")

⑤




ROAD
CLOSED
AHEAD
W20-2
(48"x48")

⑥



TYPE III BARRICADE (L/R)
8 FT. RAIL W/ FLASHER
R11-3A (60"x30")

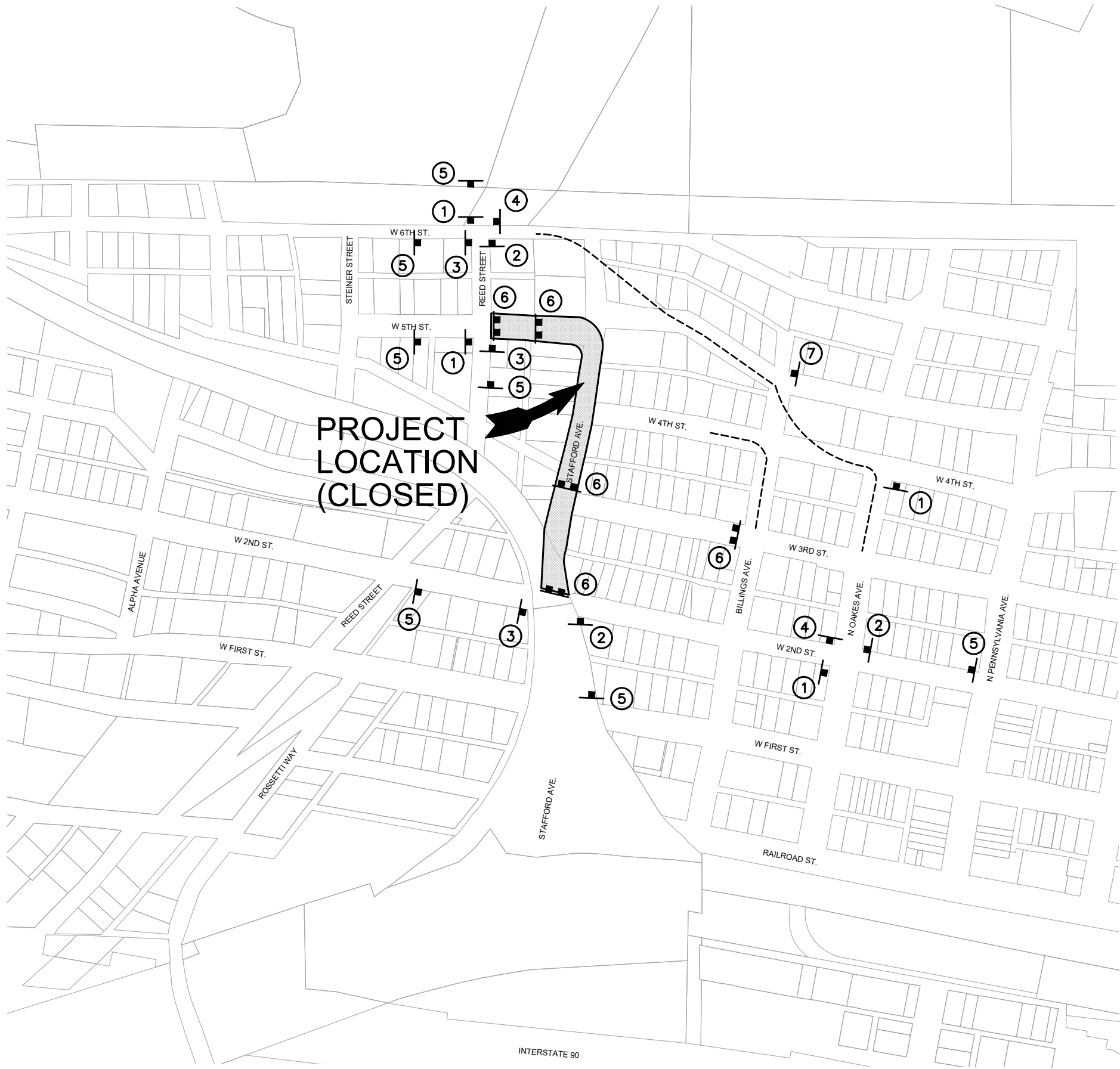
⑦



STOP
R1-1
(36"x36")

(TEMPORARY STOP SIGN)

NOTE:
1. ALL DETOUR SIGNS
SHALL BE CLASS 'A'
UNLESS MOUNTED ON
BARRICADES AS SHOWN.



TEMPORARY EROSION/SEDIMENTATION CONTROL (TESC) NOTES

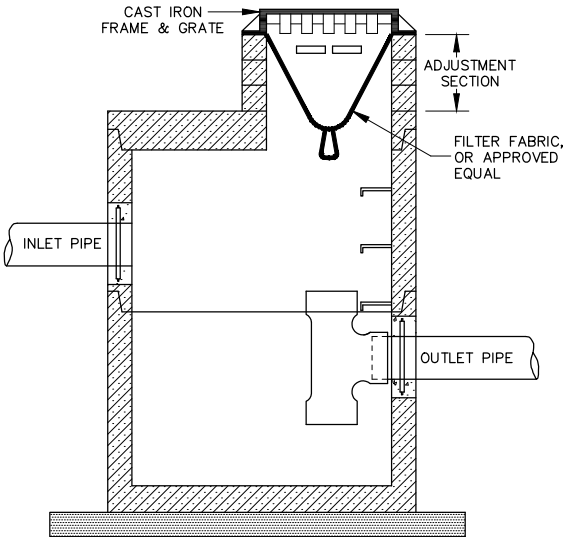
1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
2. THE IMPLEMENTATION OF THESE TESC PLANS AND CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED, VEGETATION/LANDSCAPING IS ESTABLISHED, AND APPROVED BY THE LOCAL JURISDICTION.
3. 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 LOCAL DRAINAGE SYSTEMS.
4. THE MEASURES SHOWN ON THESE PLANS ARE THE MINIMUM THAT ARE REQUIRED FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES AS REQUIRED DUE TO UNEXPECTED STORM EVENTS OR CONSTRUCTION PROCEDURES USED BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.
5. THE CONTRACTOR SHALL NOT DISCHARGE TURBID WATER GENERATED FROM CONSTRUCTION ACTIVITIES DIRECTLY TO ANY STORM WATER SYSTEM INLETS, OR DRAINAGE DITCHES BEFORE THE SOLIDS HAVE SETTLED OUT OF THE WATER.
6. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING VEGETATION BEYOND THE CLEARING LIMITS.
7. DUST CONTROL SHALL BE PROVIDED BY THE CONTRACTOR BY APPLYING WATER AS REQUIRED.
8. SEDIMENT BARRIERS SHALL BE PLACED IMMEDIATELY DOWNSLOPE OF ALL STOCKPILES.
9. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION, AND MAINTAINED FOR THE DURATION OF THE PROJECT, ON ALL UNSURFACED CONSTRUCTION ROADS WHERE THE CONSTRUCTION ROAD EXITS ONTO PAVED ROADS. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
10. THE TESC FACILITIES SHOWN ON THIS PLAN AND ANY CHANGES REQUIRED BY THE CONTRACTOR'S OPERATIONS, MUST BE CONSTRUCTED PRIOR TO ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
11. THE TESC MEASURES SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION HAS BEEN OBTAINED. INSTALLED EROSION AND SEDIMENT CONTROL MEASURES SHALL ONLY BE REMOVED WITH THE APPROVAL OF THE ENGINEER.
12. 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 SO THAT THEY ARE EFFECTIVE.
13. AFTER ANY 24-HOUR RAINFALL GREATER THAN 0.5 INCH, THE CONTRACTOR SHALL INSPECT TESC MEASURES FOR INTEGRITY. ANY DAMAGED TESC MEASURES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND REPAIRED IMMEDIATELY.
14. AT NO TIME SHALL SEDIMENT BE ALLOWED TO ACCUMULATE MORE THAN 1/3 THE BARRIER HEIGHT. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
15. THE CONTRACTOR SHALL SET ASIDE A SEPARATE AREA, WHICH DOES NOT HAVE ANY POSSIBILITY OF DRAINING TO SURFACE WATERS, FOR THE WASH-OUT OF CONSTRUCTION EQUIPMENT AND TOOLS.
16. THE CONTRACTOR SHALL NOT DISCHARGE ANY CLEANING SOLVENTS OR CHEMICALS UTILIZED FOR TOOL OR EQUIPMENT CLEANING TO THE GROUND. REFUELING OF EQUIPMENT SHALL BE CONDUCTED AWAY FROM THE DRAINAGE FACILITIES AND DONE IN SUCH A MANNER AS TO PREVENT SPILLS FROM ENTERING THE GROUNDWATER OR DRAINAGE WAYS.
17. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PREVENT ANY PETROLEUM PRODUCTS, CHEMICALS, OR OTHER TOXIC OR DELETERIOUS MATERIALS FROM ENTERING THE GROUNDWATER OR DRAINAGE WAYS.
18. THE ENGINEER HAS THE AUTHORITY TO HALT CONSTRUCTION IF EROSION CONTROLS ARE NOT MAINTAINED PROPERLY OR IF A VIOLATION HAS NOT BEEN CORRECTED. THE CONTRACTOR SHALL BEAR ALL RISK AND ALL COSTS OF ANY WORK DELAYS CAUSED BY THESE ACTIONS.
19. ADJUST ALL TESC MEASURES AS NECESSARY TO ALLOW FOR PROGRESSION OF CONSTRUCTION AT NO ADDITIONAL EXPENSE TO THE OWNER.
20. PUBLIC STREETS ARE TO BE KEPT CLEAR OF DIRT AND DEBRIS DURING EXCAVATION AND FILL OPERATIONS.
21. STORM DRAIN INLETS, BASINS, AND AREA DRAINS SHALL BE PROTECTED UNTIL PAVEMENT SURFACES ARE COMPLETED AND/OR VEGETATION IS RE-ESTABLISHED.
22. TESC MEASURES SHALL BE IN WORKING CONDITION AT ALL TIMES. THE CONTRACTOR SHALL IMMEDIATELY REPAIR, REPLACE, AND INSTALL ADDITIONAL MEASURES SO THAT THEY ARE EFFECTIVE.

SILT FENCES:

1. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6- INCH OVERLAP, AND SECURELY FASTENED AT BOTH ENDS TO POST.
2. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND.
3. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 6 INCHES WIDE AND 6 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
4. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
5. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
6. WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING IS USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ABOVE NOTES APPLYING.
7. FILTER FABRIC FENCES SHALL NOT BE REMOVED BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
8. FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

DUST CONTROL BMP:

1. WATER APPLIED TO CONSTRUCTION SITES FOR DUST CONTROL MUST NOT LEAVE THE SITE AS SURFACE RUNOFF.
2. LIMIT DUST GENERATION BY CLEARING ONLY THOSE AREAS WHERE IMMEDIATE ACTIVITY WILL TAKE PLACE, LEAVING THE REMAINING AREAS IN THE ORIGINAL CONDITIONS, IF STABLE. MAINTAIN THE ORIGINAL GROUND COVER AS LONG AS PRACTICAL.
3. PROJECT MUST COMPLY WITH THE LOCAL CLEAN AIR AUTHORITY AND CITY OF CLE ELUM REQUIREMENTS.



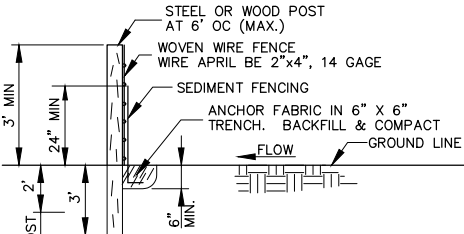
DETAIL NOTES:

1. PROVIDE STORM DRAIN INLET PROTECTION ON ALL EXISTING/NEW CATCH BASINS.
2. ALL STRUCTURES AND PIPES SHALL BE THOROUGHLY FLUSHED BEFORE FINAL ACCEPTANCE.
3. ABSOLUTELY NO SEDIMENT LADEN WATER IS ALLOWED TO ENTER ANY SUBSURFACE INFILTRATION TRENCH SYSTEM.

STORM DRAIN INLET PROTECTION

BMP C220

NOT TO SCALE



DETAIL NOTES:

1. INSTALLATION TO BE PER MANUFACTURER'S RECOMMENDATION.
2. TO BE USED FOR TERMINAL ENDS & PERIMETER SIDES.
3. THE TWO POST OPTIONS ARE (1) WOOD = 1" X 2" OR 3" MIN. DIA. AND (2) STEEL = 1.33 LBS/FT.MIN.

SILT FENCE BMP C233

NOT TO SCALE



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509.966.7000
Fax 509.965.3800
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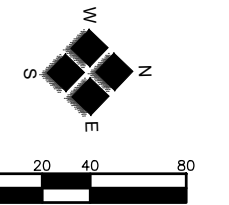
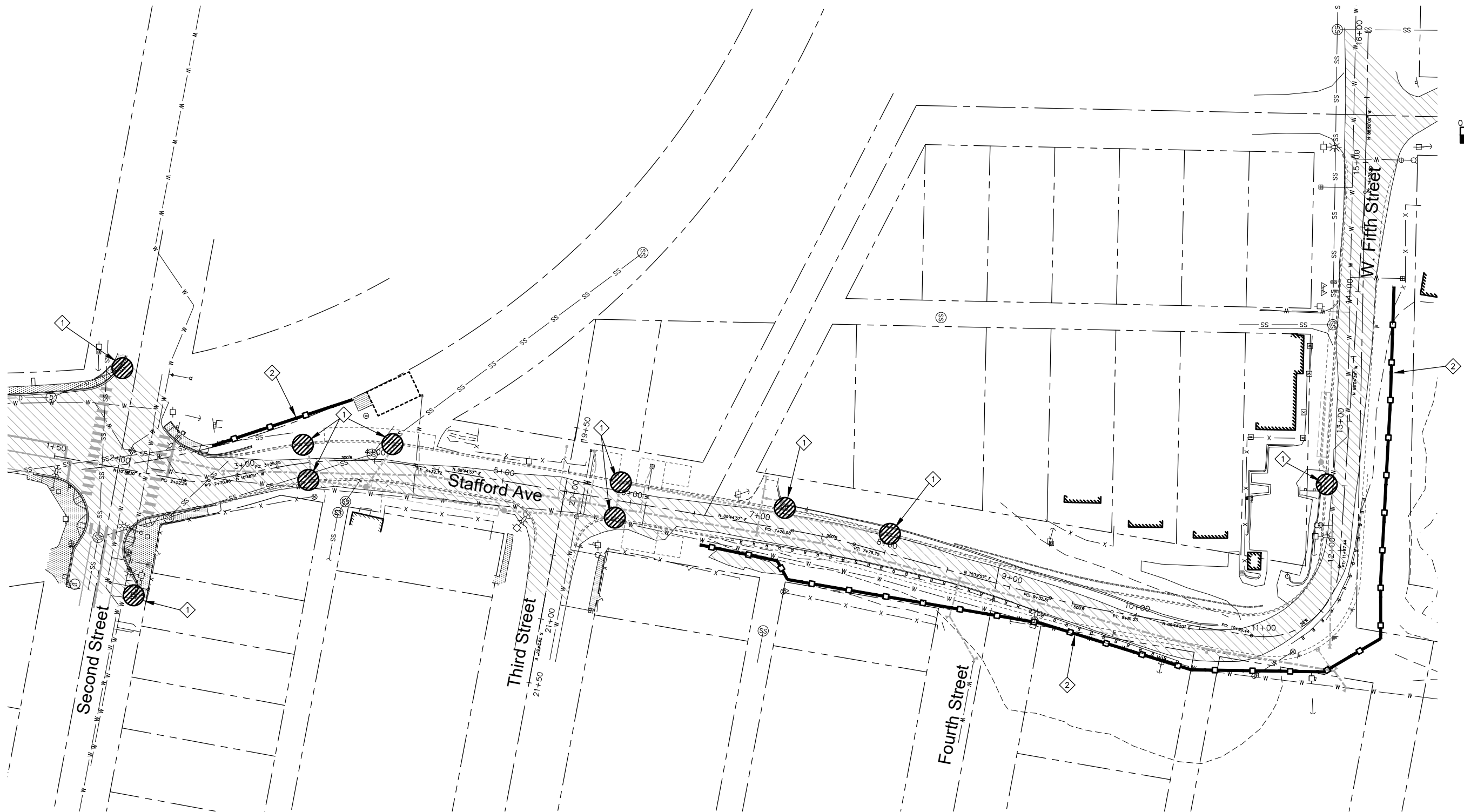
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CITY OF CLE ELUM
STAFFORD AVENUE CORRIDOR
IMPROVEMENTS

TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

SHEET
7
OF
30



LEGEND

- NEW IMPROVEMENTS. (FOR REFERENCE ONLY)
- STORM DRAIN INLET PROTECTION
- SILT FENCE

TESC NOTES:

- INSTALL STORM DRAIN INLET PROTECTION PER DETAIL 1 ON SHEET 7.
- INSTALL SILT FENCE PER DETAIL 2 ON SHEET 7.



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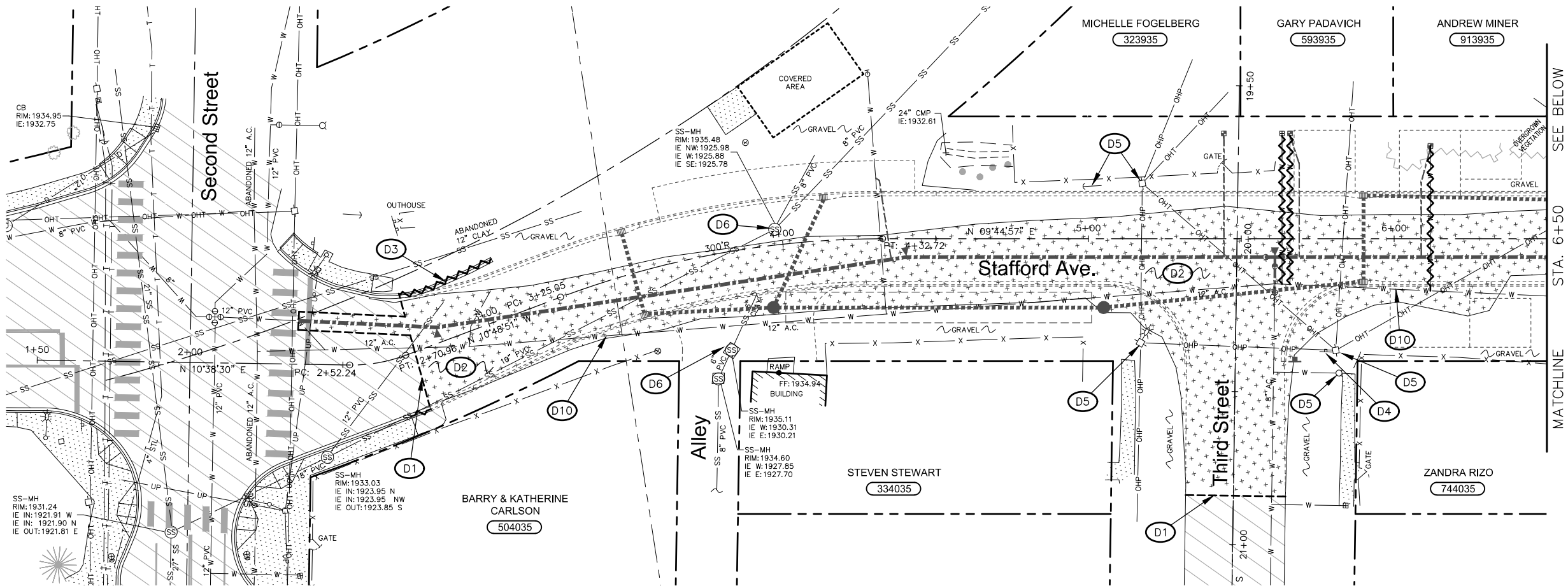
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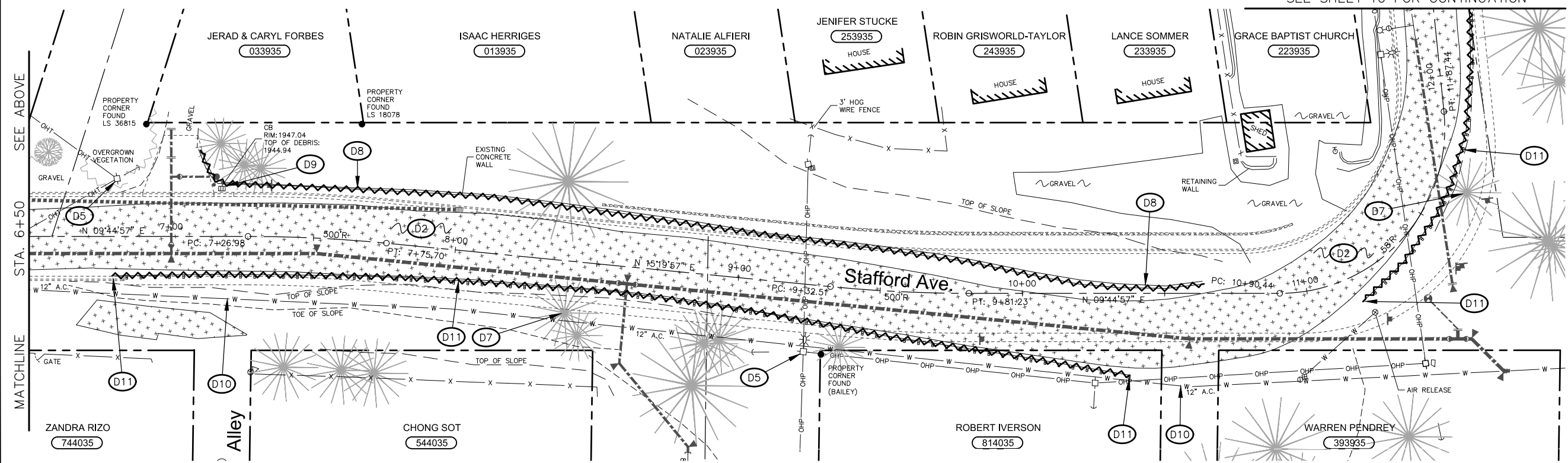
CITY OF CLE ELUM
STAFFORD AVENUE CORRIDOR
IMPROVEMENTS

TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

SHEET
8
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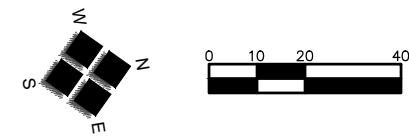
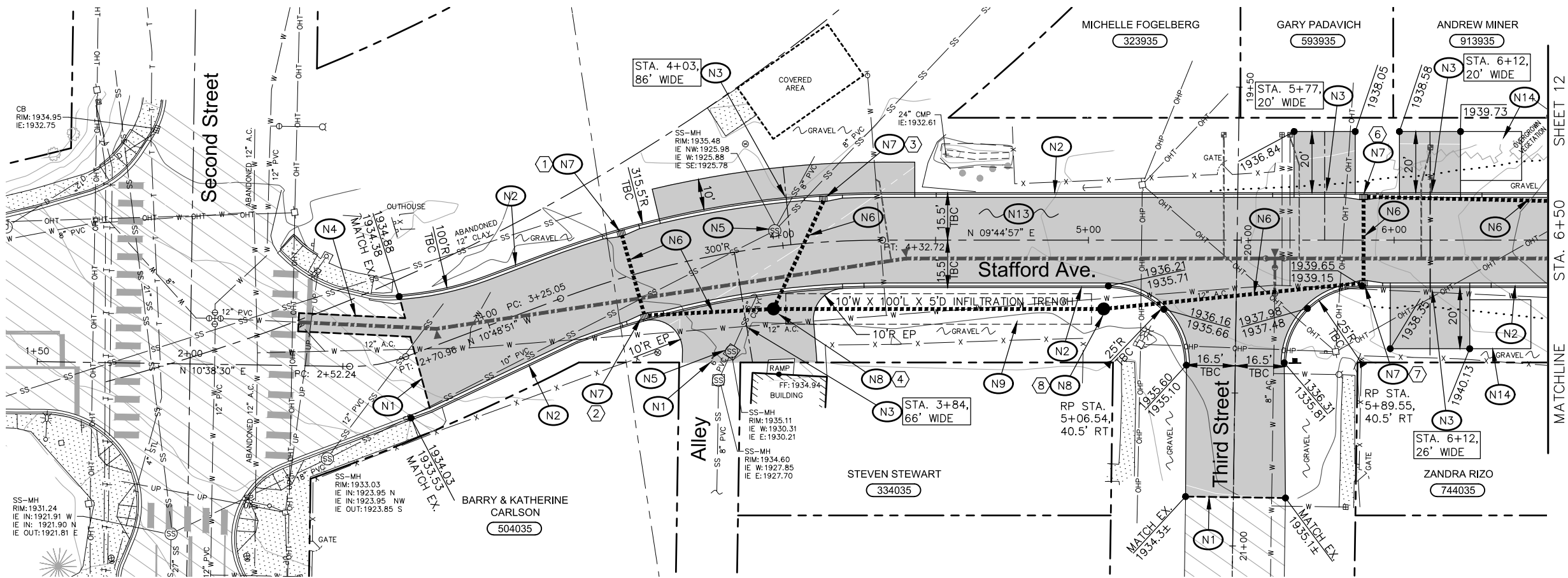
- DEMOLITION NOTES:**
- (D1) SAWCUT FULL DEPTH AT MATCHLINE.
 - (D2) REMOVE EXISTING SURFACE AND BASE MATERIAL NECESSARY TO CONSTRUCT NEW IMPROVEMENTS. CONTRACTOR TO PROVIDE SUBGRADE COMPACTION.
 - (D3) REMOVE EXISTING CURB, GUTTER, AND BASE MATERIAL. CONTRACTOR TO PROVIDE SUBGRADE COMPACTION.
 - (D4) EXISTING TRAFFIC SIGNS, MAILBOXES SHALL BE RELOCATED AND MAINTAINED UNTIL THEY ARE RELOCATED OR REPLACED WITH NEW.
 - (D5) PROTECT EXISTING UTILITIES AND SITE FEATURES TO REMAIN.
 - (D6) ADJUST WATER VALVE/MANHOLE/PULL BOX TO FINISHED GRADE.
 - (D7) REMOVE TREE INCLUDING ROOT BALL.
 - (D8) REMOVE EXISTING RETAINING WALL.
 - (D9) REMOVE EXISTING CATCH BASIN. PLUG EXISTING STORM DRAIN PIPE WITH CONCRETE IN ACCORDANCE WITH APWA SECTION 7-08.3(4) CONTRACTOR TO VERIFY DEPTH AND LOCATION BEFORE BEGINNING CONSTRUCTION.
 - (D10) EXISTING WATER MAIN TO REMAIN ACTIVE AND PROTECTED IN PLACE UNTIL NEW WATER MAIN IS IN PLACE AND OPERATIONAL.
 - (D11) REMOVE EXISTING GUARDRAIL AND ANCHOR.



- NOTES:**
1. ALL REMOVAL INCLUDES DISPOSAL UNLESS OTHERWISE INDICATED ON PLANS OR AS DIRECTED BY ENGINEER.

LEGEND

EXISTING ASPHALT TO REMAIN	
EXISTING CONCRETE TO REMAIN	
EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED	
EXISTING CURB, GUTTER, RETAINING WALL, GUARDRAIL, WATER PIPES AND MARKINGS TO BE REMOVED	
NEW IMPROVEMENTS (FOR REFERENCE ONLY)	

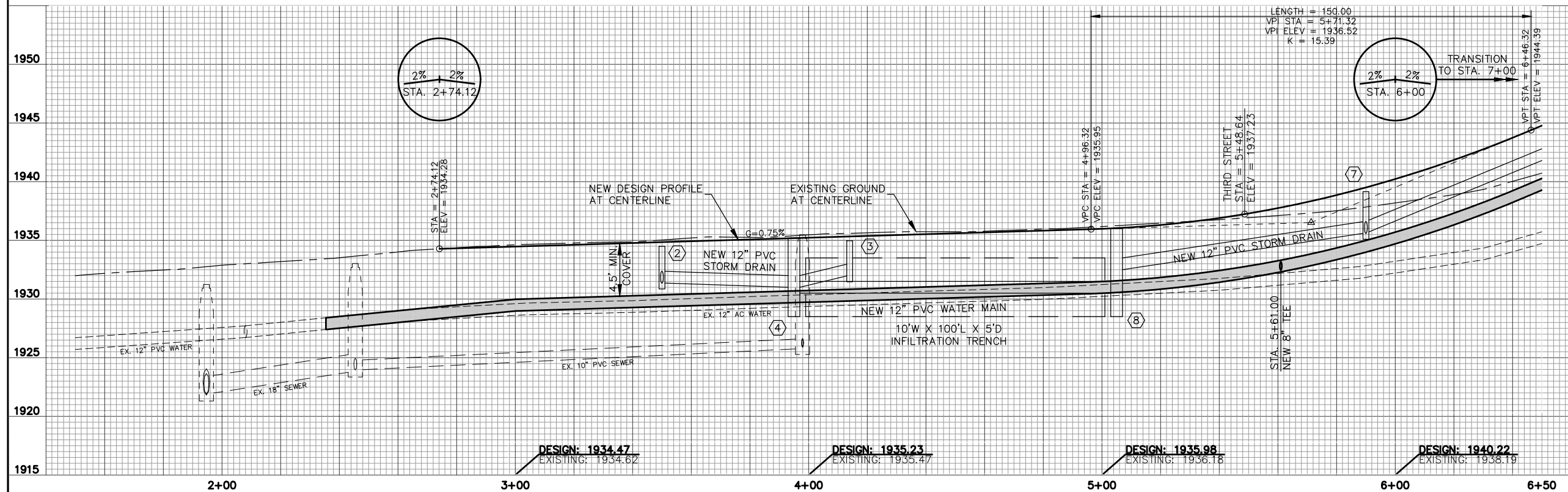


CONSTRUCTION NOTES:

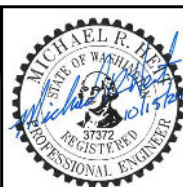
- (#) DRAINAGE STRUCTURE NOTE. SEE SHEET 15.
- (N1) MATCH NEW IMPROVEMENTS INTO EXISTING SIDEWALK, ASPHALT, OR CONCRETE.
- (N2) CONSTRUCT NEW CEMENT CONCRETE CURB AND GUTTER, PER DETAIL 2.1 ON SHEET 22 AND TYPICAL SECTION ON SHEET 3.
- (N3) CONSTRUCT NEW DRIVEWAY/PARKING SPACE ENTRANCE PER DETAIL 1.5 ON SHEET 22. SLOPE CSTC EDGES AT 2:1 MAX. TO CATCH.
- (N4) CONSTRUCT ASPHALT PAVEMENT REPAIR PER DETAIL 1.1 ON SHEET 22.
- (N5) ADJUST VALVE BOX/METER BOX/MANHOLE TO FINISH GRADE PER DETAILS 1.3 & 1.4 ON SHEET 22.
- (N6) INSTALL DRAIN PIPE, 12" DIA.
- (N7) INSTALL WSDOT TYPE 1 CATCH BASIN PER WSDOT STANDARD PLAN B-5.20-03 AND B-30.40-03.
- (N8) INSTALL WSDOT TYPE 2 - 48" DIA. CATCH BASIN W/ MANHOLE RING AND SOLID COVER PER WSDOT STANDARD PLAN B-10.20, B-30.70, AND REMOVABLE TEE PER DETAIL 3.2 ON SHEET 15.
- (N9) CONSTRUCT 12" DIA. HIGH DENSITY POLYETHYLENE PERFORATED PIPE IN DRAIN ROCK ENVELOPE PER DETAIL 2.4 OR 2.5 AND 3.3 OR 3.4 ON SHEET 15. SEE PLANS FOR LENGTH.
- (N10) INSTALL NEW BEAM GUARDRAIL TYPE 31 - 6 FT LONG POST PER WSDOT STANDARD PLAN C-20.10-09.
- (N11) INSTALL NEW BEAM GUARDRAIL TYPE 31 - 8 FT LONG POST PER WSDOT STANDARD PLAN C-20.10-09.
- (N12) INSTALL NEW BEAM GUARDRAIL TYPE 31 - ANCHOR TYPE 11 PER WSDOT STANDARD PLAN C-23.70-01.
- (N13) CONSTRUCT NEW ROAD SECTION PER DETAIL 3.4 ON SHEET 22 AND TYPICAL SECTIONS ON SHEETS 3 AND 4.
- (N14) CONSTRUCT 16' WIDE 6" CSTC, SLOPE TO EXISTING GROUND AT 20:1 TO CATCH.

PROFILE NOTES:

1. EXISTING WATER SERVICES AND CROSSING WATER LINES ARE ASSUMED TO HAVE 48" OF COVER.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY PERTINENT LOCATIONS AND ELEVATIONS OF UTILITY CROSSINGS. FIELD VERIFY DEPTHS OF UTILITIES BY POTHOLES PRIOR TO BEGINNING ANY NEW CONSTRUCTION TO ALLOW FOR ADJUSTMENT IN GRADE OR ALIGNMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR POTHOLES OR ADJUSTMENT OF PIPE GRADE. NOTIFY THE ENGINEER IF CONDITIONS ARE OTHER THAN DEPICTED.
3. DEFLECT WATER MAIN AS SHOWN TO MAINTAIN HORIZONTAL AND VERTICAL ALIGNMENT UNLESS ELBOWS ARE SHOWN.



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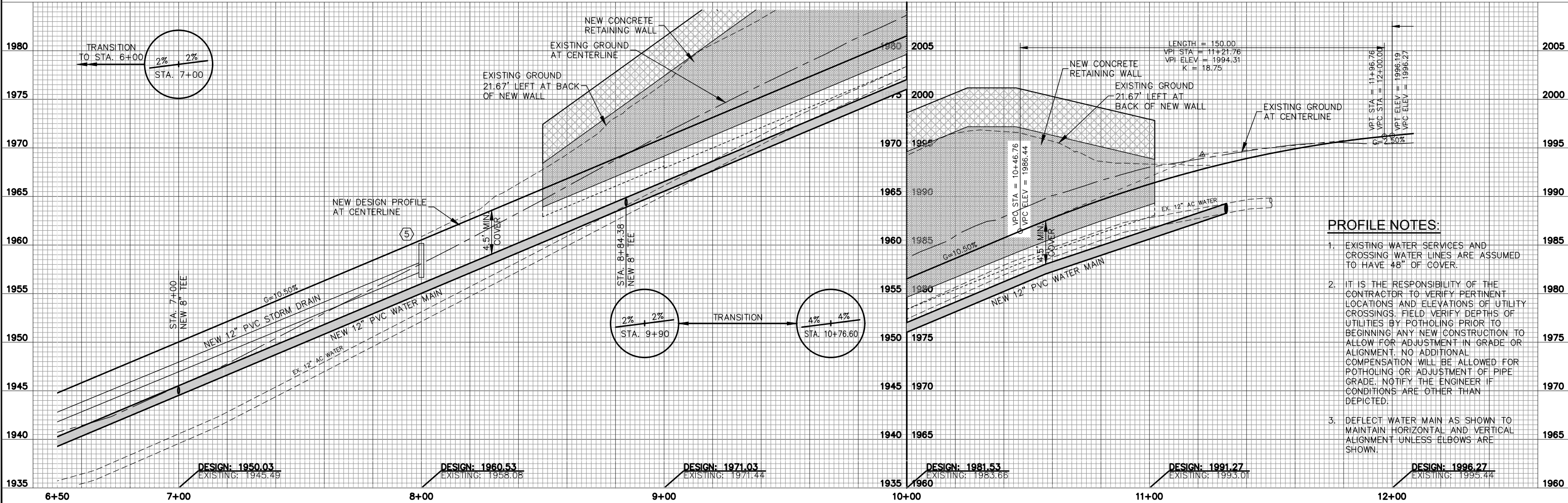
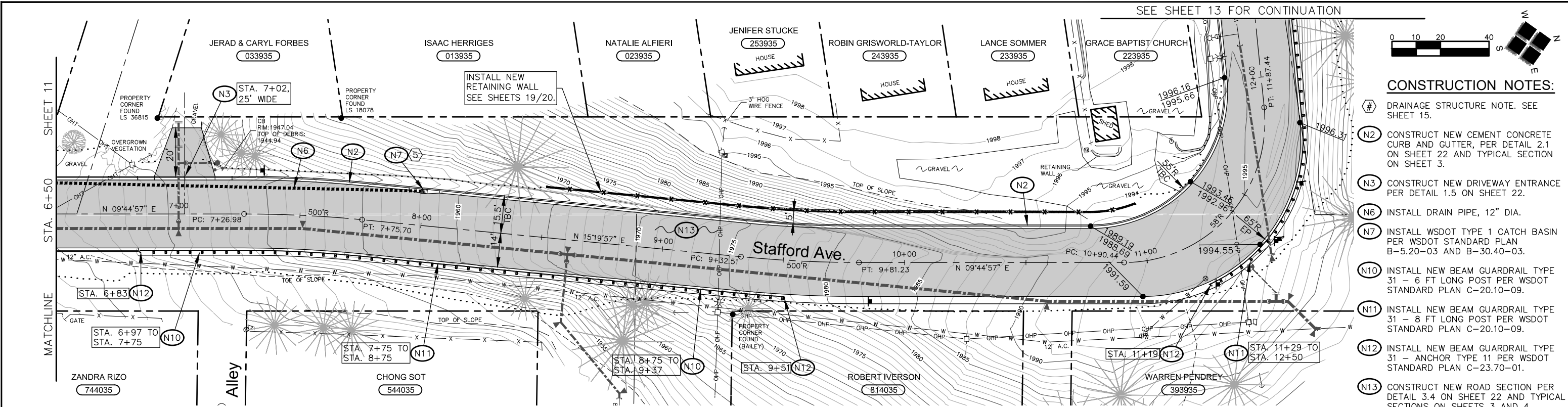
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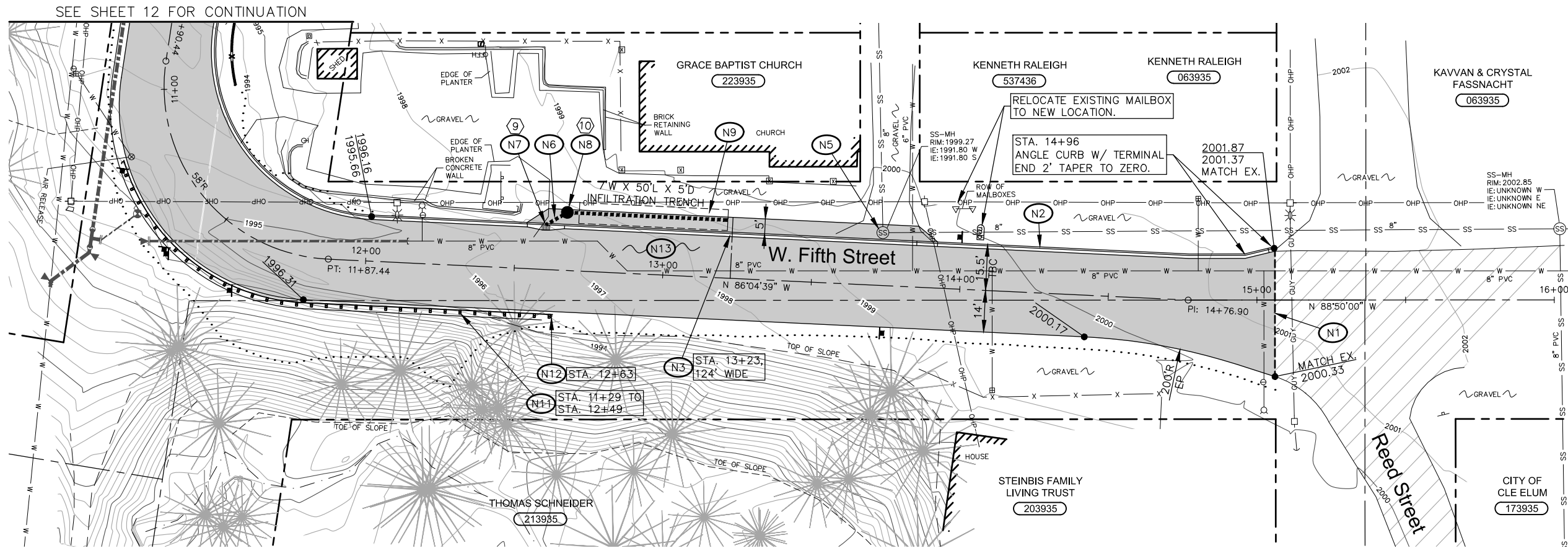
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CITY OF CLE ELUM
STAFFORD AVENUE CORRIDOR
IMPROVEMENTS

ROADWAY PLAN AND PROFILE

SHEET
11
OF
30



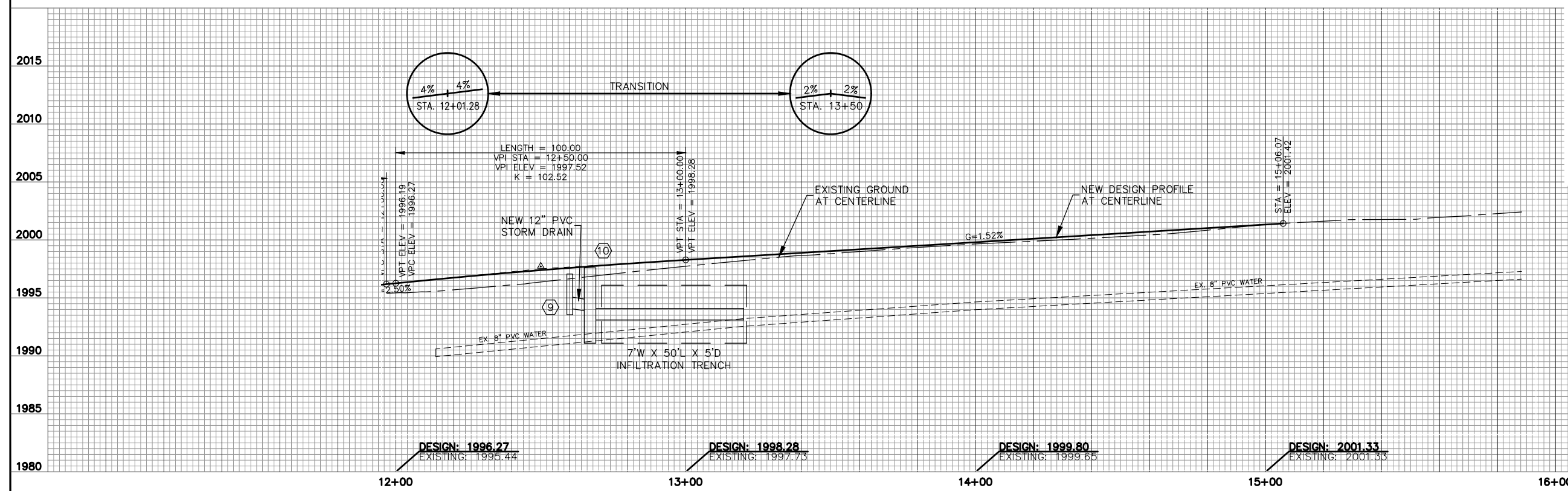


CONSTRUCTION NOTES:

- # DRAINAGE STRUCTURE NOTE. SEE SHEET 15.
- (N1) MATCH NEW IMPROVEMENTS INTO EXISTING SIDEWALK, ASPHALT, OR CONCRETE.
- (N2) CONSTRUCT NEW CEMENT CONCRETE CURB AND GUTTER, PER DETAIL 2.1 ON SHEET 22 AND TYPICAL SECTION ON SHEET 3.
- (N3) CONSTRUCT NEW DRIVEWAY/PARKING SPACE ENTRANCE PER DETAIL 1.5 ON SHEET 22. SLOPE CSTC EDGES AT 2:1 MAX. TO CATCH.
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- (N9) CONSTRUCT 12" DIA. HIGH DENSITY POLYETHYLENE PERFORATED PIPE IN DRAIN ROCK ENVELOPE PER DETAIL 2.4 OR 2.5 AND 3.3 OR 3.4 ON SHEET 15. SEE PLANS FOR LENGTH.
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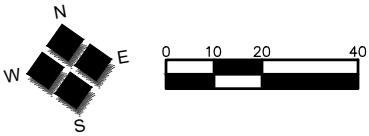
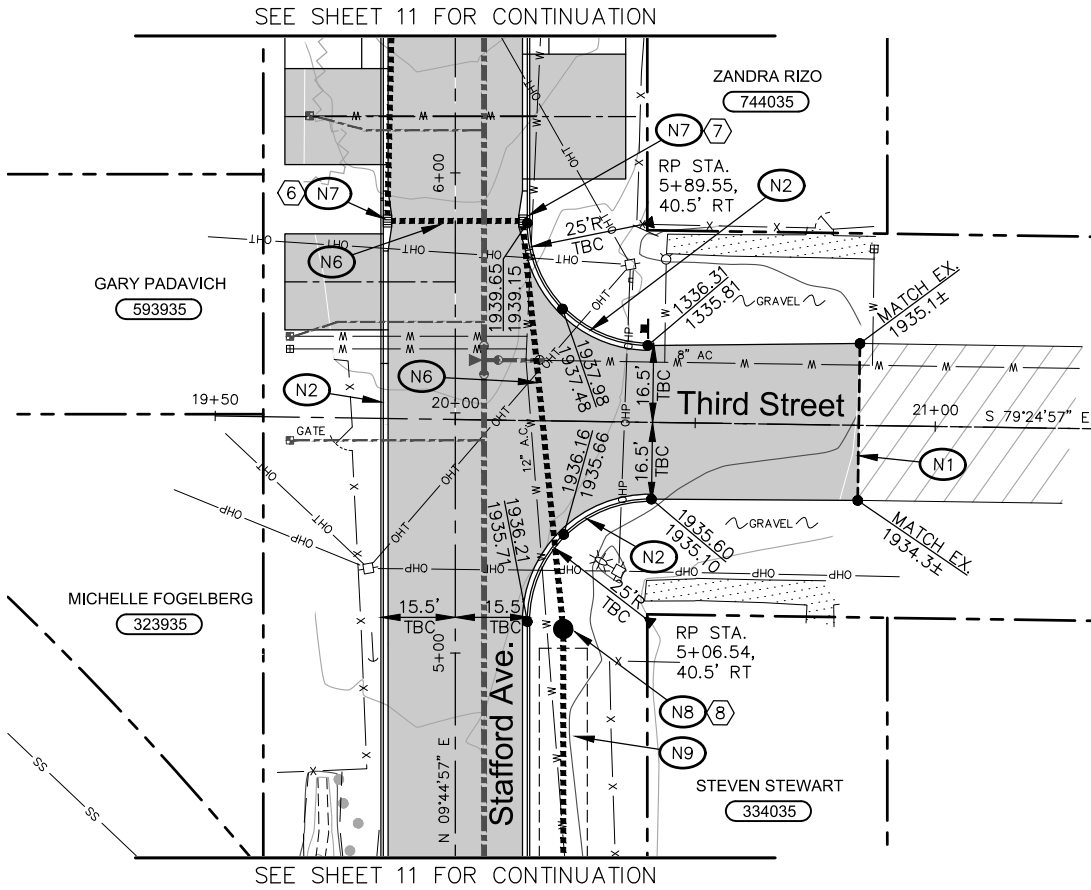
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CITY OF CLE ELUM
STAFFORD AVENUE CORRIDOR IMPROVEMENTS

ROADWAY PLAN AND PROFILE

SHEET 13 OF 30

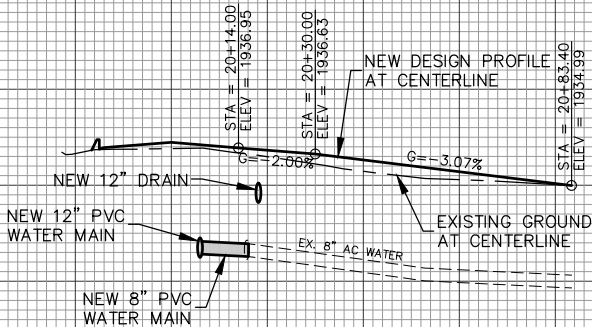


CONSTRUCTION NOTES:

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- N9 CONSTRUCT 12" DIA. HIGH DENSITY POLYETHYLENE PERFORATED PIPE IN DRAIN ROCK ENVELOPE PER DETAIL 2.4 OR 2.5 AND 3.3 OR 3.4 ON SHEET 15. SEE PLANS FOR LENGTH.
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- N11 INSTALL NEW BEAM GUARDRAIL TYPE 31 - 8 FT LONG POST PER WSDOT STANDARD PLAN C-20.10-09.
- N12 INSTALL NEW BEAM GUARDRAIL TYPE 31 - ANCHOR TYPE 11 PER WSDOT STANDARD PLAN C-23.70-01.
- N13 CONSTRUCT NEW ROAD SECTION PER DETAIL 3.4 ON SHEET 22 AND TYPICAL SECTIONS ON SHEETS 3 AND 4.
- N14 CONSTRUCT 16' WIDE 6" CSTC, SLOPE TO EXISTING GROUND AT 20:1 TO CATCH.

PROFILE NOTES:

- 1. EXISTING WATER SERVICES AND CROSSING WATER LINES ARE ASSUMED TO HAVE 48" OF COVER.
- 2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY PERTINENT LOCATIONS AND ELEVATIONS OF UTILITY CROSSINGS. FIELD VERIFY DEPTHS OF UTILITIES 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 PIPE GRADE. NOTIFY THE ENGINEER IF CONDITIONS ARE OTHER THAN DEPICTED.
- 3. DEFLECT WATER MAIN AS SHOWN TO MAINTAIN HORIZONTAL AND VERTICAL ALIGNMENT UNLESS ELBOWS ARE SHOWN.



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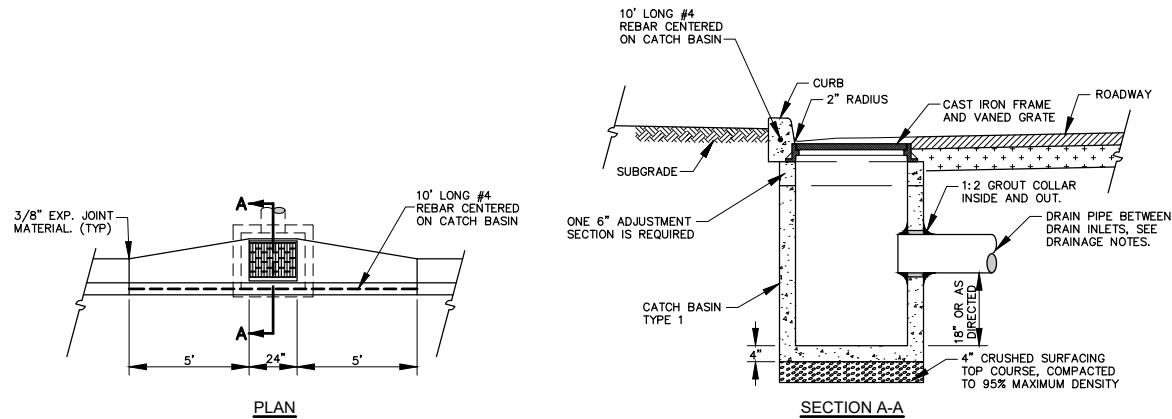
JOB NUMBER: 21241	DATE: 10-15-24
FILE NAMES: DRAWING: SHEETS.dwg PLAN: 21241.dwg PROFILE: 21241.dwg	
DESIGNED BY: ENTERED BY:	MRH AJH

CITY OF CLE ELUM
STAFFORD AVENUE CORRIDOR
IMPROVEMENTS

ROADWAY PLAN AND PROFILE

SHEET
14
OF
30

DRAINAGE STRUCTURE NOTES					
No.	STATION/OFFSET	TYPE	RIM ELEV	IE IN	IE OUT
①	STAFFORD AVE, STA 3+50.00, 15' LT.	INSTALL NEW CATCH BASIN TYPE 1 WITH VANED GRATE AND 27 L.F. OF 12-INCH STORM DRAIN PIPE. (S=0.005)	1934.49	---	1931.49
②	STAFFORD AVE, STA 3+50.00, 15' RT.	INSTALL NEW CATCH BASIN TYPE 1 WITH VANED GRATE AND 41 L.F. OF 12-INCH STORM DRAIN PIPE. (S=0.005)	1934.49	1931.36	1931.36
③	STAFFORD AVE, STA 4+14.00, 15' LT.	INSTALL NEW CATCH BASIN TYPE 1 WITH VANED GRATE AND 39 L.F. OF 12-INCH STORM DRAIN PIPE. (S=0.0262)	1934.97	---	1931.97
④	STAFFORD AVE, STA 3+94.00, 20' RT.	INSTALL NEW CATCH BASIN TYPE 2 48-INCH DIAM. WITH SOLID LID, 100'L X 10'W X 5'D INFILTRATION TRENCH.	1935.20	1931.00	1930.50
⑤	STAFFORD AVE, STA 8+00.00, 15' LT.	INSTALL NEW CATCH BASIN TYPE 1 WITH VANED GRATE AND 209 L.F. OF 12-INCH STORM DRAIN PIPE. (S=0.05)	1960.17	---	1957.17
⑥	STAFFORD AVE, STA 5+90.00, 15' LT.	INSTALL NEW CATCH BASIN TYPE 1 WITH VANED GRATE AND 27 L.F. OF 12-INCH STORM DRAIN PIPE. (S=0.005)	1939.15	1935.72	1935.72
⑦	STAFFORD AVE, STA 5+90.00, 15' RT.	INSTALL NEW CATCH BASIN TYPE 1 WITH VANED GRATE AND 84 L.F. OF 12-INCH STORM DRAIN PIPE. (S=0.041)	1939.15	1935.59	1935.59
⑧	STAFFORD AVE, STA 5+05.00, 22.5' RT.	INSTALL NEW CATCH BASIN TYPE 2 48-INCH DIAM. WITH SOLID LID, 100'L X 10'W X 5'D INFILTRATION TRENCH.	1936.00	1932.50	1930.50
⑨	STAFFORD AVE, STA 12+60.00, 15' LT.	INSTALL NEW CATCH BASIN TYPE 1 WITH VANED GRATE AND 8 L.F. OF 12-INCH STORM DRAIN PIPE. (S=0.02)	1997.06	---	1994.06
⑩	STAFFORD AVE, STA 12+67.00, 19.5' LT.	INSTALL NEW CATCH BASIN TYPE 2 48-INCH DIAM. WITH SOLID LID, 50'L X 7'W X 5'D INFILTRATION TRENCH.	1997.60	1993.90	1993.10

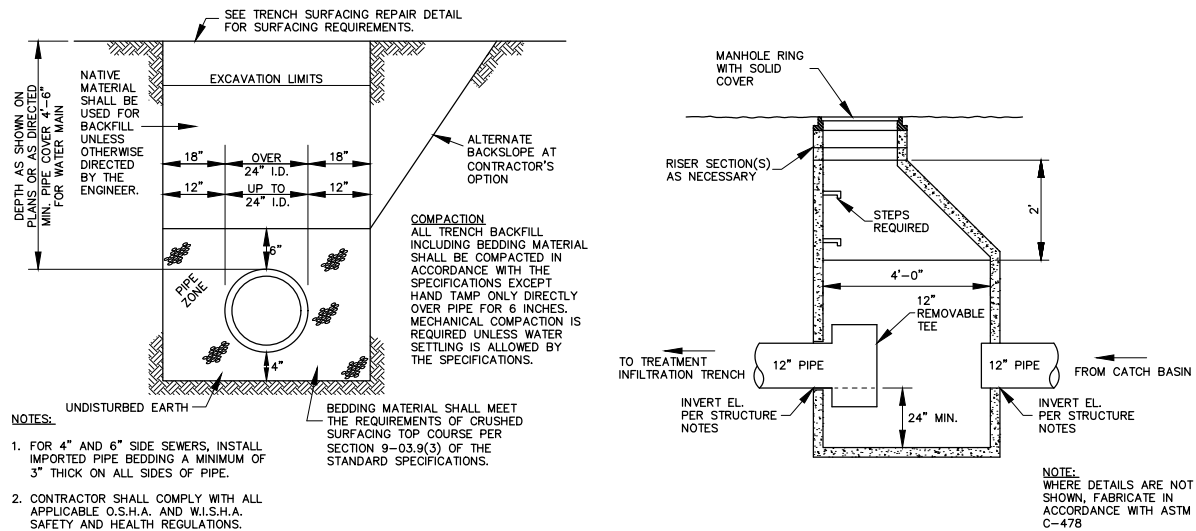


NOTE:
1. CONSTRUCT NEW TYPE 1 CATCH BASIN AS PER THE PLANS AND WSDOT STANDARD PLAN B-5.20.

TYPE 1 CATCH BASIN

NOT TO SCALE

2.3
15



TYPICAL TRENCH DETAIL

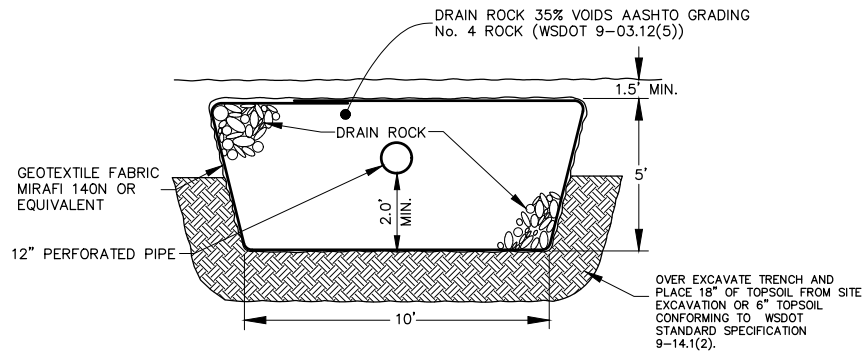
NOT TO SCALE

3.1
15

TYPE 2 CATCH BASIN

NOT TO SCALE

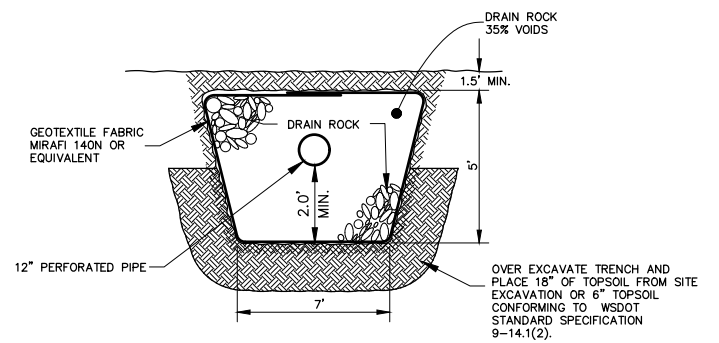
3.2
15



TYPICAL 10' SECTION AT 12" TREATMENT DRAIN TRENCH

NOT TO SCALE

2.4
15

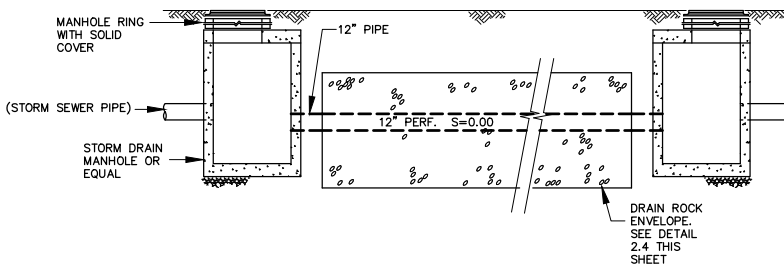


TYPICAL 7' SECTION AT 12" TREATMENT DRAIN TRENCH

NOT TO SCALE

2.5
15

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

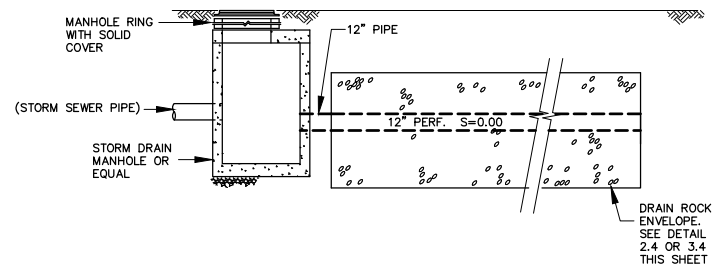


INFILTRATION TRENCH DETAIL

NOT TO SCALE

3.3
15

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



INFILTRATION TRENCH DETAIL

NOT TO SCALE

3.4
15



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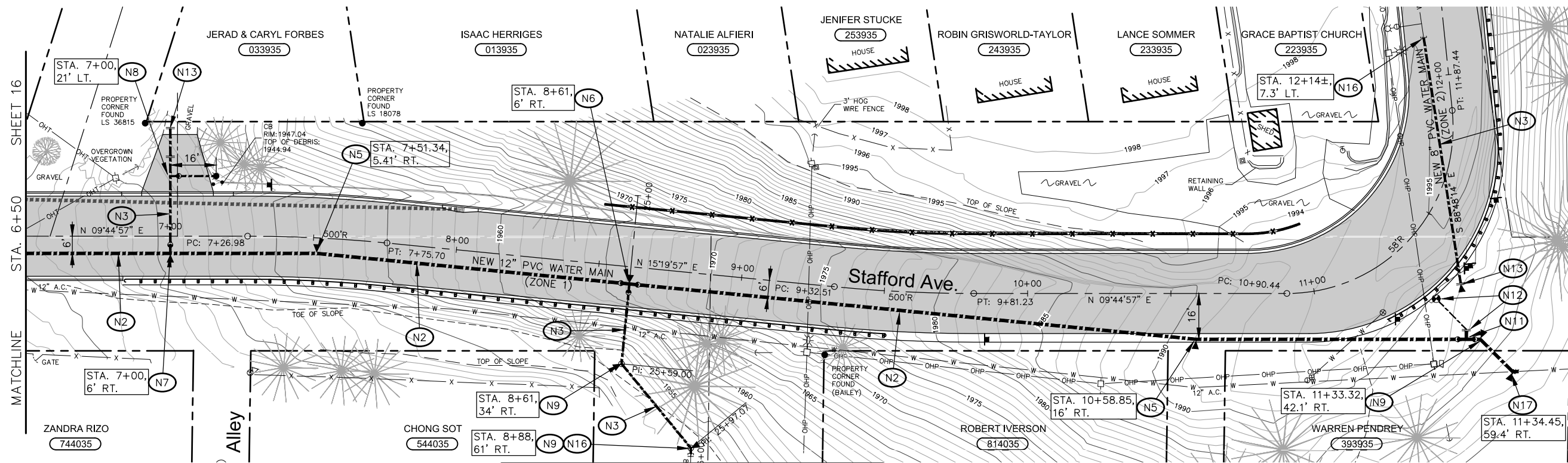
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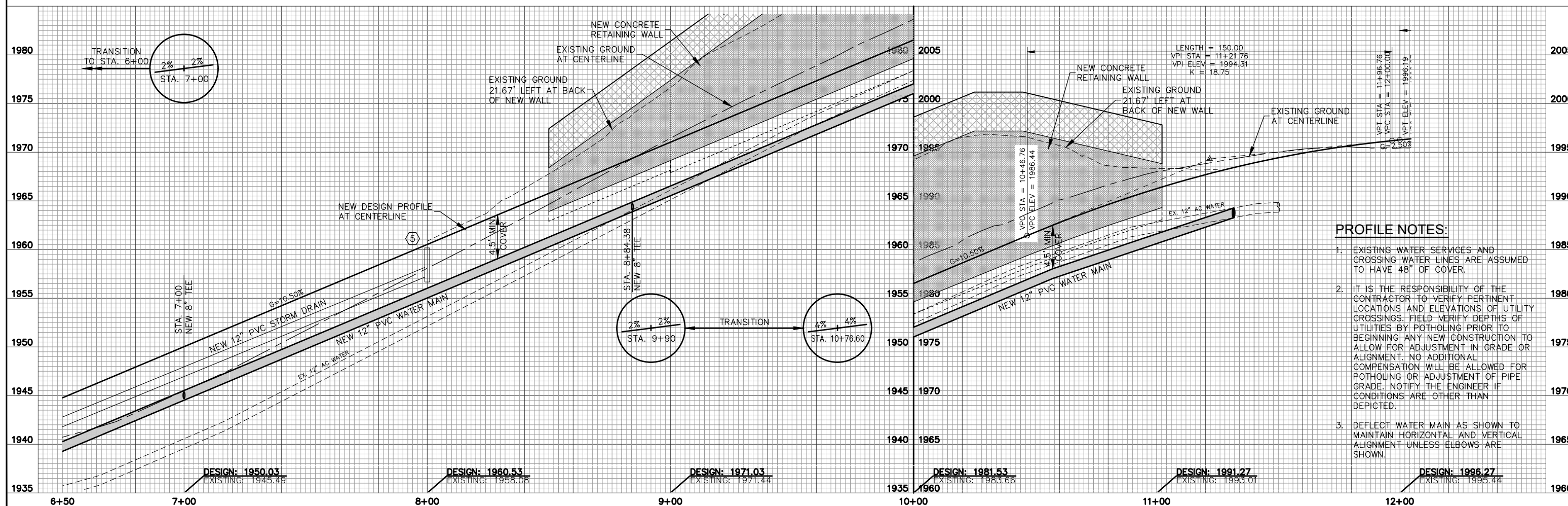
CITY OF CLE ELUM
STAFFORD AVENUE CORRIDOR
IMPROVEMENTS

DRAINAGE STRUCTURE NOTES AND DETAILS

SHEET
15
OF
30

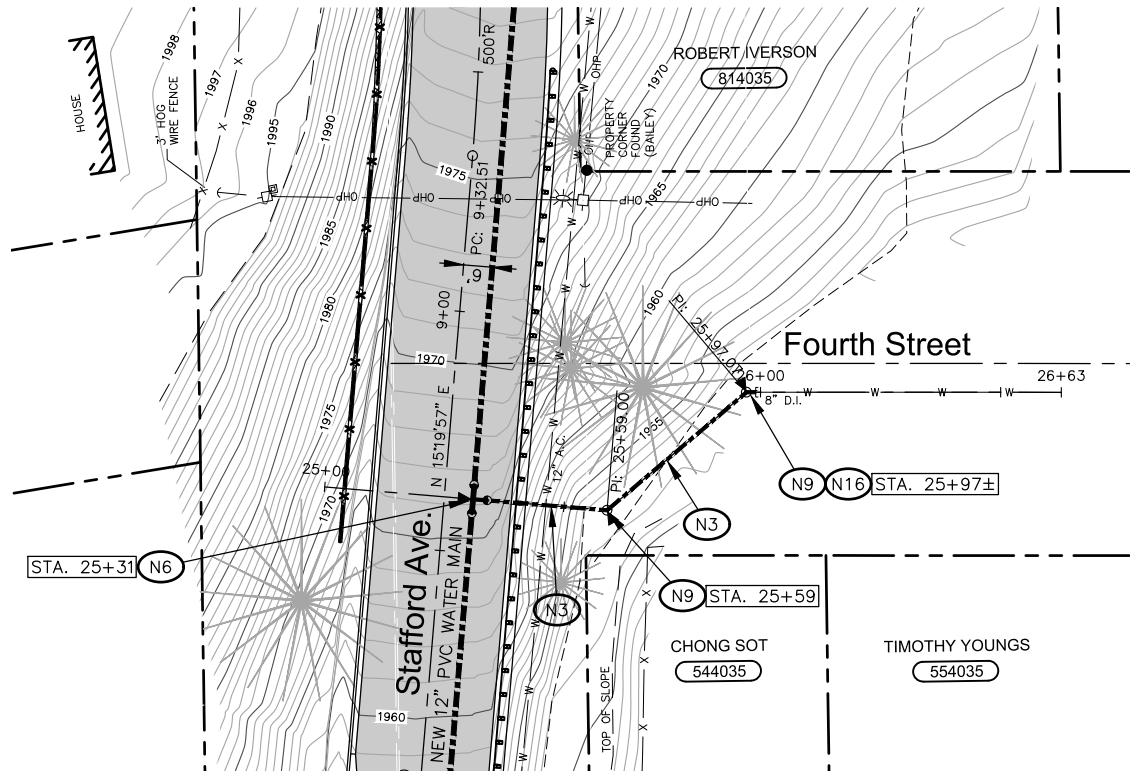


CONSTRUCTION NOTES:
SEE SHEET 16



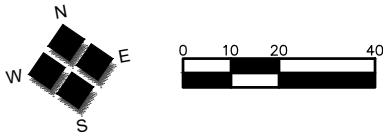
PROFILE NOTES:

- EXISTING WATER SERVICES AND CROSSING WATER LINES ARE ASSUMED TO HAVE 48" OF COVER.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY PERTINENT LOCATIONS AND ELEVATIONS OF UTILITY CROSSINGS. FIELD VERIFY DEPTHS OF UTILITIES BY POT-HOLING PRIOR TO BEGINNING ANY NEW CONSTRUCTION TO ALLOW FOR ADJUSTMENT IN GRADE OR ALIGNMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR POT-HOLING OR ADJUSTMENT OF PIPE GRADE. NOTIFY THE ENGINEER IF CONDITIONS ARE OTHER THAN DEPICTED.
- DEFLECT WATER MAIN AS SHOWN TO MAINTAIN HORIZONTAL AND VERTICAL ALIGNMENT UNLESS ELBOWS ARE SHOWN.



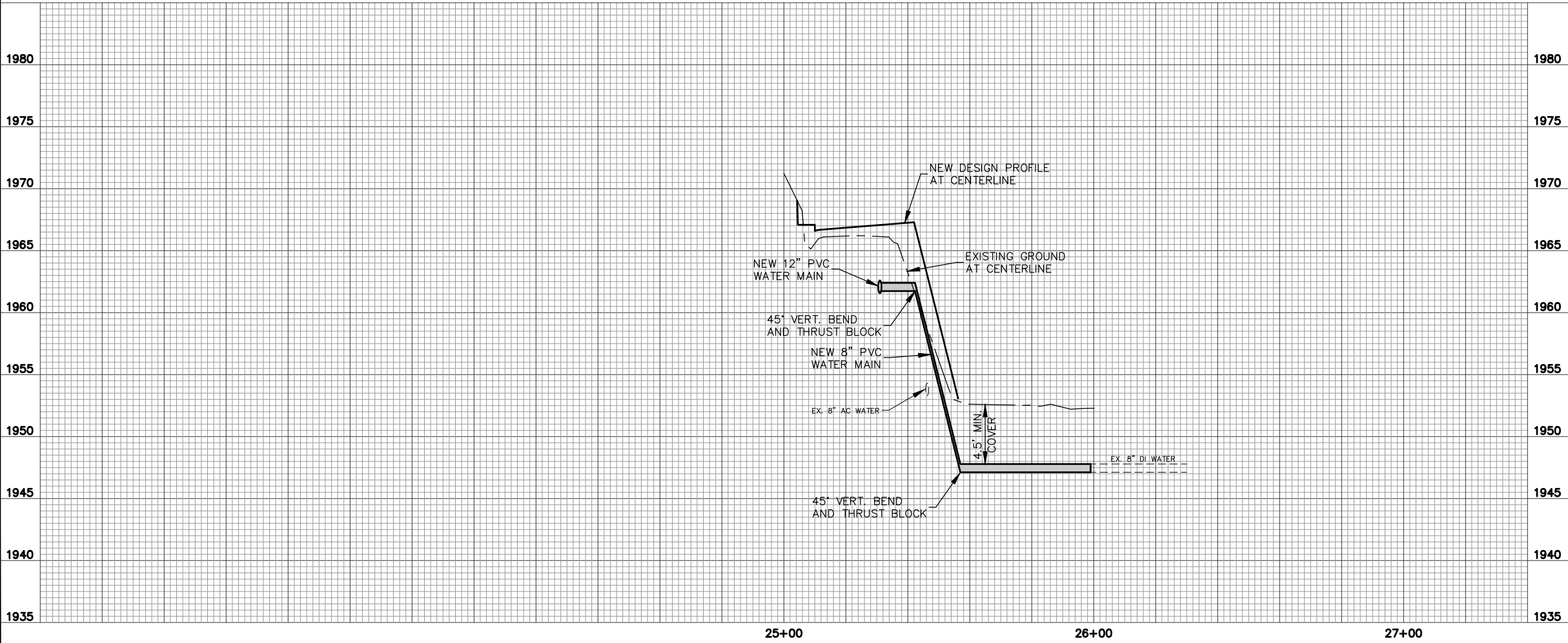
PROFILE NOTES:

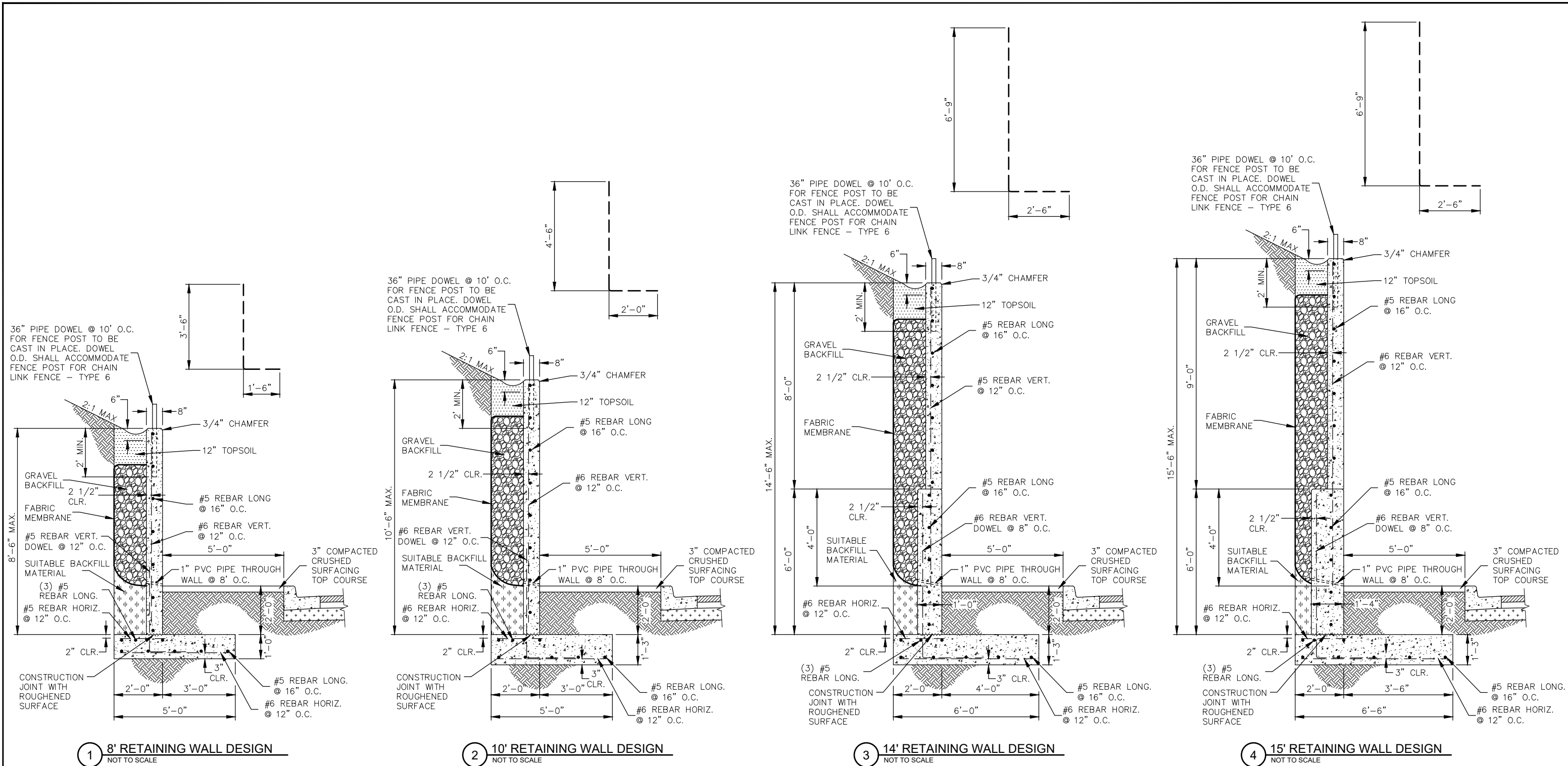
- EXISTING WATER SERVICES AND CROSSING WATER LINES ARE ASSUMED TO HAVE 48" OF COVER.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY PERTINENT LOCATIONS AND ELEVATIONS OF UTILITY CROSSINGS. FIELD VERIFY DEPTHS OF UTILITIES BY POTHOLING PRIOR TO BEGINNING ANY NEW CONSTRUCTION TO ALLOW FOR ADJUSTMENT IN GRADE OR ALIGNMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR POTHOLING OR ADJUSTMENT OF PIPE GRADE. NOTIFY THE ENGINEER IF CONDITIONS ARE OTHER THAN DEPICTED.
- DEFLECT WATER MAIN AS SHOWN TO MAINTAIN HORIZONTAL AND VERTICAL ALIGNMENT UNLESS ELBOWS ARE SHOWN.



CONSTRUCTION NOTES:

- INSTALL TEMPORARY BLOW-OFF ON 12" PVC ON EACH END FOR FILLING, FLUSHING AND TESTING. ONCE ALL NEW WATER FACILITIES HAVE BEEN TESTED AND ACCEPTED, REMOVE BLOW-OFFS AND MAKE FINAL CONNECTION TO EX. WATER MAIN. CONTRACTOR TO POTHOLE IN ADVANCE AND CONFIRM O.D. TO VERIFY THAT ALL TIE-IN FITTINGS WILL CONNECT.
- INSTALL NEW 12" PVC WATER MAIN PER CITY OF CLE ELUM STANDARD DETAILS W1.
- INSTALL NEW 8" PVC WATER MAIN PER CITY OF CLE ELUM STANDARD DETAILS W1.
- INSTALL NEW 1" SERVICE PIPE, METER PIT SETTER AND CONNECT INTO THE EXISTING WATER SERVICE AS SHOWN ON THE PLAN PER CITY OF CLE ELUM STANDARD DETAIL W6. CITY TO INSTALL METER.
- INSTALL NEW 12" 11.25" MJ ELBOW AND THRUST BLOCKING PER CITY OF CLE ELUM STANDARD DETAIL W4.
- INSTALL NEW 12" x 8" MJ TEE, 2 EA 12" BUTTERFLY VALVES, 8" MJ GATE VALVE AND VALVE BOXES AND THRUST BLOCKING PER CITY OF CLE ELUM STANDARD DETAILS W2 & W4.
- INSTALL NEW 12" x 8" MJ TEE, 8" MJ GATE VALVE AND VALVE BOXES AND THRUST BLOCKING PER CITY OF CLE ELUM STANDARD DETAILS W2 & W4.
- INSTALL 8" MJ x 6" FLG TEE, 6" FLG x MJ GATE VALVE, 6" D.I. WATER MAIN, AND HYDRANT ASSEMBLY, (2) BOLLARDS, AND THRUST BLOCKING PER CITY OF CLE ELUM STANDARD DETAILS W2, W3 & W4.
- INSTALL NEW 12" 45" MJ ELBOW AND THRUST BLOCKING PER CITY OF CLE ELUM STANDARD DETAIL W4.
- INSTALL NEW 12" 45" MJ AND 11.25" MJ ELBOWS AND THRUST BLOCKING PER CITY OF CLE ELUM STANDARD DETAIL W4.
- INSTALL NEW 12" MJ TEE, 2 EA 12" BUTTERFLY VALVE AND VALVE BOXES AND THRUST BLOCKING PER CITY OF CLE ELUM STANDARD DETAILS W2 & W4.
- CONSTRUCT 12" MJ CAP AND THRUST BLOCK, TAP CAP AND INSTALL RELOCATED AIR RELEASE VALVE PER CITY OF CLE ELUM STANDARD DETAIL W5.
- CONSTRUCT 8" MJ CAP AND THRUST BLOCK PER CITY OF CLE ELUM STANDARD DETAIL W4.
- REMOVE EXISTING 12" CAP AND THRUST BLOCK AND MAKE CONNECTION TO EXISTING PVC PIPE WITH FITTINGS AS NECESSARY.
- REMOVE EXISTING 8" TEE, VALVE AND THRUST BLOCK AND MAKE CONNECTION TO EXISTING PIPE WITH FITTINGS AS NECESSARY. CONNECTION TO EXISTING MAIN TO BE MADE AFTER EXISTING 12" AC MAIN IS TAKEN OUT OF SERVICE.
- REMOVE EXISTING 8" CAP AND THRUST BLOCK AND MAKE CONNECTION TO EXISTING PIPE WITH FITTINGS AS NECESSARY.
- CUT INTO EXISTING 12" AC WATER MAIN AND INSTALL NEW 45" MJ ELBOW AND THRUST BLOCKING PER CITY OF CLE ELUM STANDARD DETAIL W4.
- CONNECT EXISTING WATER SERVICE TO NEW WATER MAIN PER CITY OF CLE ELUM STANDARD DETAIL W6.





NOTES:

- ALL CONCRETE SHALL BE CLASS 4000, EXCEPT AS NOTED.
- ALL FENCE PARTS SHALL HAVE VINYL CLAD COATING, AND ALL PARTS SHALL MATCH IN COLOR. COATING OF FABRIC SHALL BE 0.015-INCH THICKNESS. COATING FOR POSTS AND RAILS SHALL BE 3 MIL. POWDER COAT. ALL BOLTS, NUTS, WIRE TIES, AND MISCELLANEOUS HARDWARE SHALL BE POWDER COATED TO MATCH THE COLOR OF FENCE FABRIC. COLOR SELECTED BY THE OWNER FROM THE MANUFACTURER'S STANDARD COLORS.
- SEE RETAINING WALL EXPANSION JOINTS DETAIL 3.2 ON SHEET 22.



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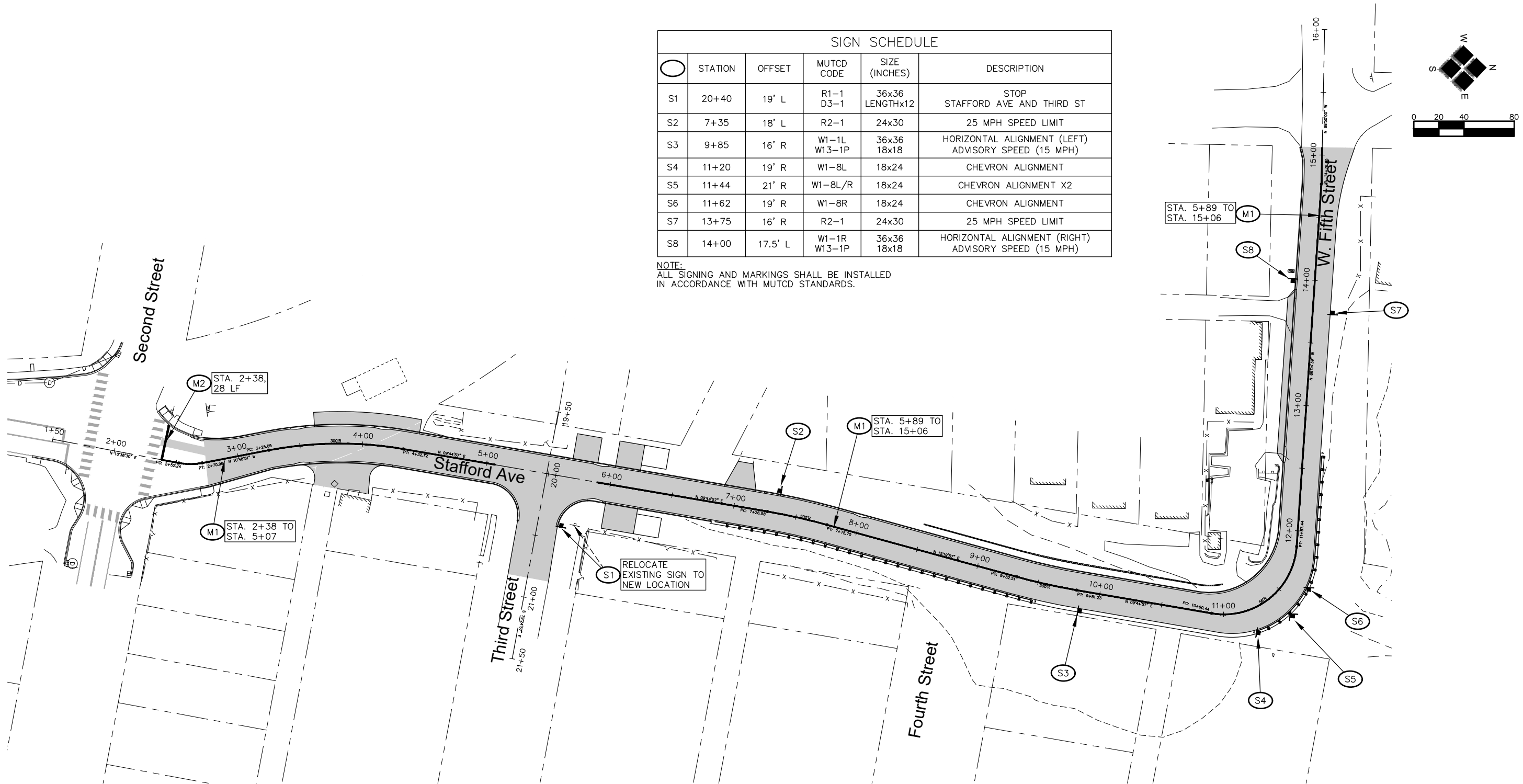
CITY OF CLE ELUM
STAFFORD AVENUE CORRIDOR
IMPROVEMENTS

RETAINING WALL DETAILS

SHEET
20
OF
30

SIGN SCHEDULE					
	STATION	OFFSET	MUTCD CODE	SIZE (INCHES)	DESCRIPTION
S1	20+40	19' L	R1-1 D3-1	36x36 LENGTHx12	STOP STAFFORD AVE AND THIRD ST
S2	7+35	18' L	R2-1	24x30	25 MPH SPEED LIMIT
S3	9+85	16' R	W1-1L W13-1P	36x36 18x18	HORIZONTAL ALIGNMENT (LEFT) ADVISORY SPEED (15 MPH)
S4	11+20	19' R	W1-8L	18x24	CHEVRON ALIGNMENT
S5	11+44	21' R	W1-8L/R	18x24	CHEVRON ALIGNMENT X2
S6	11+62	19' R	W1-8R	18x24	CHEVRON ALIGNMENT
S7	13+75	16' R	R2-1	24x30	25 MPH SPEED LIMIT
S8	14+00	17.5' L	W1-1R W13-1P	36x36 18x18	HORIZONTAL ALIGNMENT (RIGHT) ADVISORY SPEED (15 MPH)

NOTE:
ALL SIGNING AND MARKINGS SHALL BE INSTALLED
IN ACCORDANCE WITH MUTCD STANDARDS.



PAVEMENT MARKING NOTES:

- M1 INSTALL PAINTED YELLOW DOUBLE LANE LINE PER WSDOT STANDARD PLAN M-20.10.
- M2 INSTALL 18" WIDE PAINTED WHITE STOP BAR PER WSDOT STANDARD PLAN M-24.60.

NOTES:

- 1. ALL PAINTED MARKINGS SHALL INCLUDE TWO COATS.
- 2. SIGNS SHALL BE INSTALLED AND LOCATED IN ACCORDANCE WITH MUTCD GUIDELINES AND REQUIREMENTS.
- 3. SIGN LETTERING SHALL BE SIZED FOR 25 MPH SPEED LIMIT.

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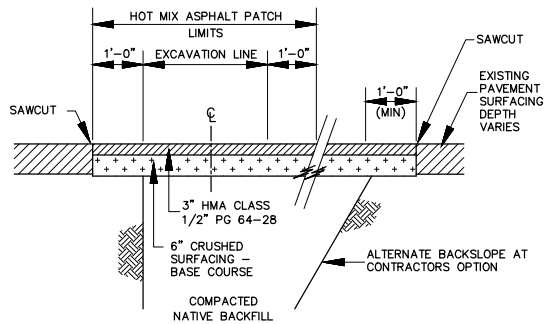


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		ENTERED BY:	AJH
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CITY OF CLE ELUM
STAFFORD AVENUE CORRIDOR
IMPROVEMENTS

PAVEMENT AND MARKING PLAN

SHEET
21
OF
30

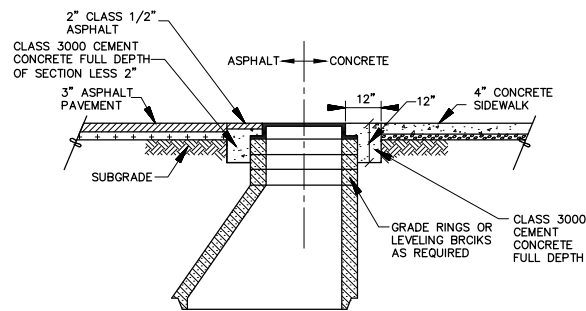


TYPICAL SECTION

NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRENCH SURFACE RESTORATION BEYOND THE PAYMENT LIMITS SHOWN, INCLUDING WIDER TRENCH SECTIONS RESULTING FROM LAYING BACK TRENCH SIDES AT THE CONTRACTORS OPTION. NO MEASUREMENT OR PAYMENT WILL BE MADE FOR SURFACE REPAIR BEYOND THE PAYMENT LIMITS.
2. NO MEASUREMENT OR PAYMENT WILL BE MADE FOR TRENCH SURFACING REPAIR IN UNSURFACED AREAS.
3. ALL THICKNESS ARE COMPACTED DEPTH.

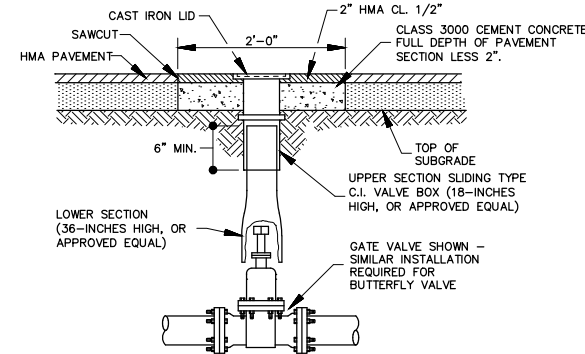
1.1 ASPHALT PAVEMENT REPAIR
NOT TO SCALE



NOTE:

1. MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE AFTER PLACEMENT OF ASPHALT CONCRETE PAVEMENT.
2. GRADE RINGS AND/OR LEVELING BRICKS SHALL BE GROUTED IN PLACE AND BE WATER TIGHT.

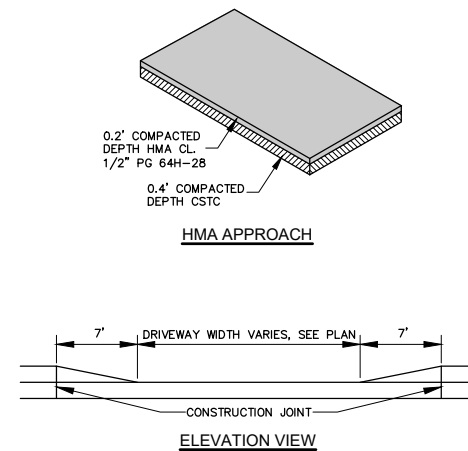
1.3 MANHOLE/VAULT ADJUSTMENT
NOT TO SCALE



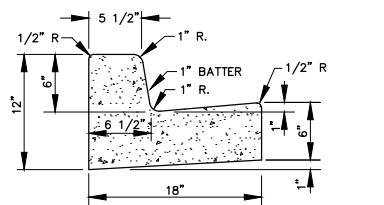
NOTE:

PROVIDE EXTENSION PIECE WHERE REQUIRED FOR VALVE BOX. (OLYMPIC FOUNDRY NO. 940R 12, 12-INCHES HIGH, OR APPROVED EQUAL)

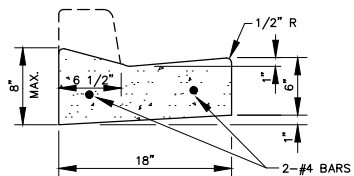
1.4 WATER VALVE BOX - IN PAVEMENT
NOT TO SCALE



1.5 DRIVEWAY APPROACH
NOT TO SCALE



FULL HEIGHT - BARRIER

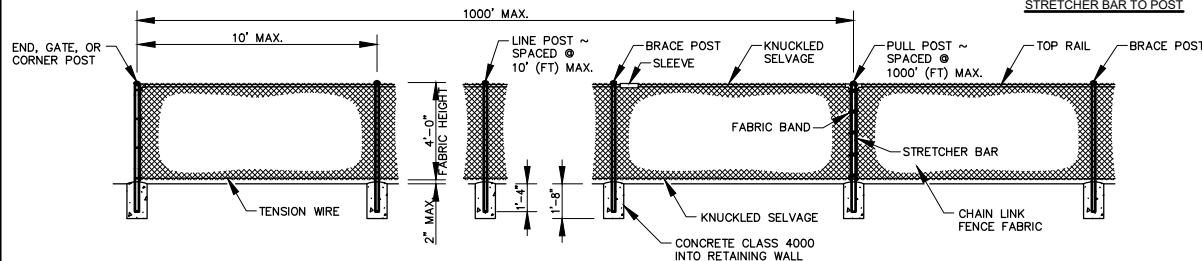


DEPRESSED - DRIVEWAYS

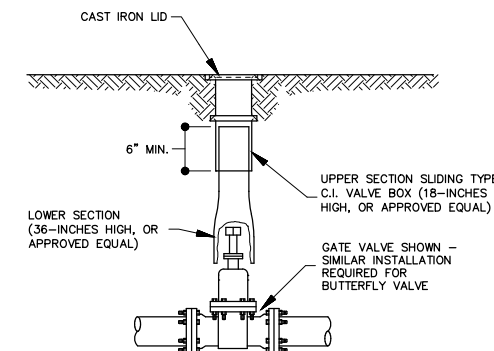
2.1 STANDARD CONCRETE CURB AND GUTTER
NOT TO SCALE

NOTES:

1. ALL CONCRETE POST BASES SHALL BE 10" (IN) MINIMUM DIAMETER.
2. TENSION WIRE SHALL BE PLACED WITHIN THE LIMITS OF THE FIRST FULL FABRIC WEAVE.
3. DETAILS ARE ILLUSTRATIVE AND SHALL NOT LIMIT HARDWARE DESIGN OR POST SELECTION OF ANY PARTICULAR FENCE TYPE.
4. ALL FENCE PARTS SHALL HAVE VINYL CLAD COATING, AND ALL PARTS SHALL MATCH IN COLOR. COATING OF FABRIC SHALL BE 0.015-INCH THICKNESS. COATING FOR POSTS AND RAILS SHALL BE 3 MIL. POWDER COAT. ALL BOLTS, NUTS, WIRE TIES, AND MISCELLANEOUS HARDWARE SHALL BE POWDER COATED TO MATCH THE COLOR OF FENCE FABRIC. COLOR SELECTED BY THE OWNER FROM THE MANUFACTURER'S STANDARD COLORS



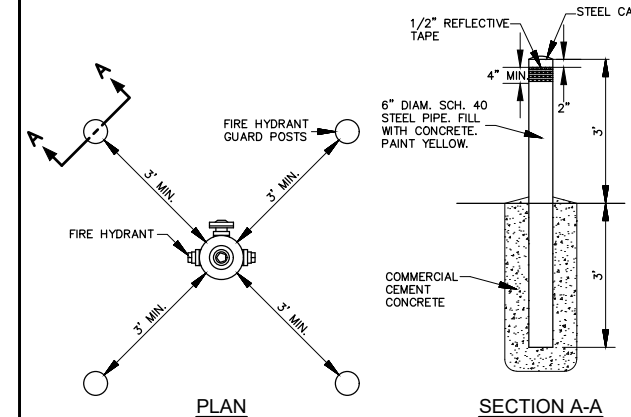
2.2 CHAINLINK FENCE TYPE 6
NOT TO SCALE



NOTE:

PROVIDE EXTENSION PIECE WHERE REQUIRED FOR VALVE BOX. (OLYMPIC FOUNDRY NO. 940R 12, 12-INCHES HIGH, OR APPROVED EQUAL)

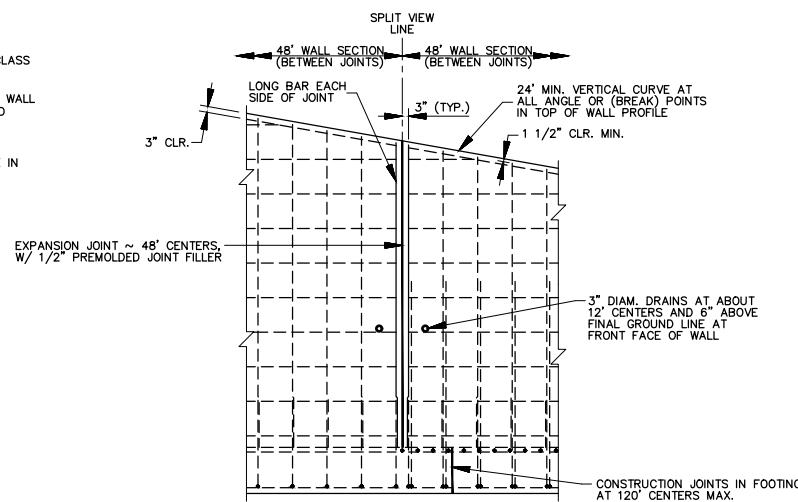
2.4 WATER VALVE BOX - NOT IN PAVEMENT
NOT TO SCALE



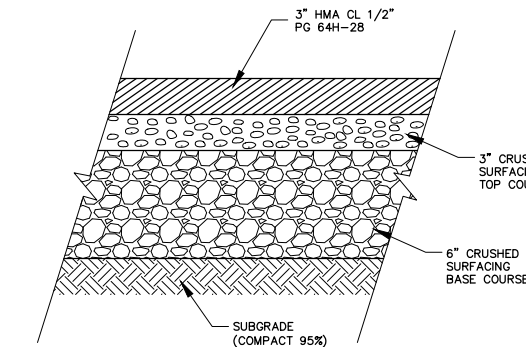
2.5 HYDRANT GUARD/BOLLARDS POSTS
NOT TO SCALE

NOTES:

1. ALL CONCRETE SHALL BE CLASS 4000, EXCEPT AS NOTED.
2. CONCRETE IN THE 48 FOOT WALL SECTIONS SHALL BE PLACED SEPARATELY BETWEEN EXPANSION JOINTS WITH A MINIMUM 24 HOUR PERIOD BEFORE PLACING CONCRETE IN THE ADJACENT SECTION.
3. MIN. SPLICE LENGTH 2'-0".



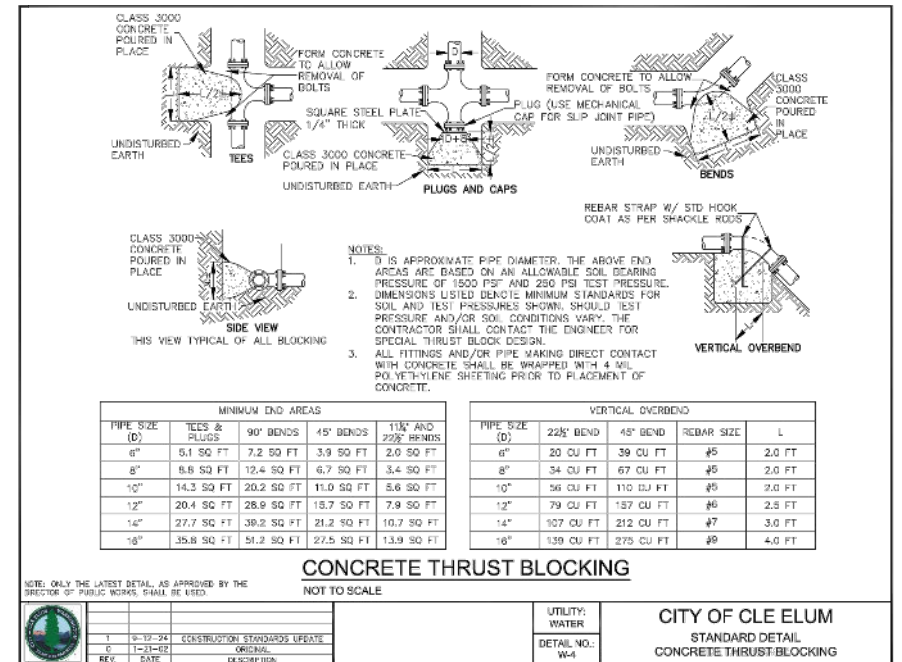
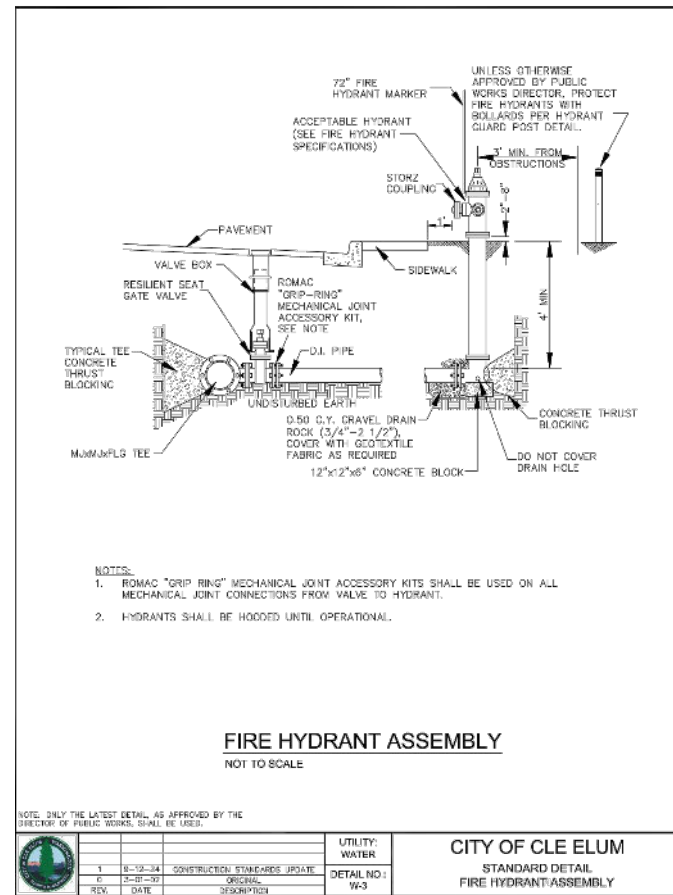
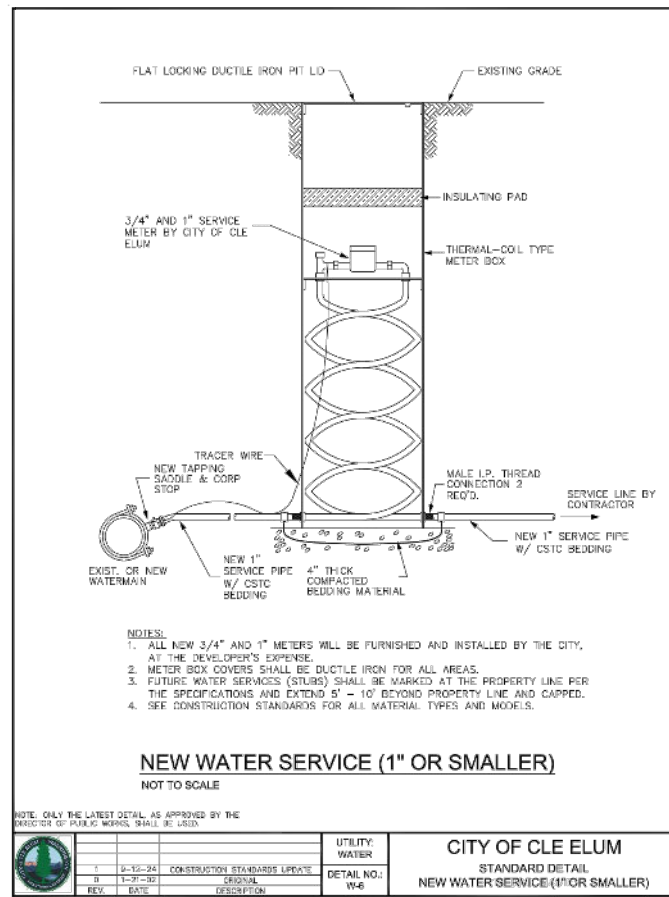
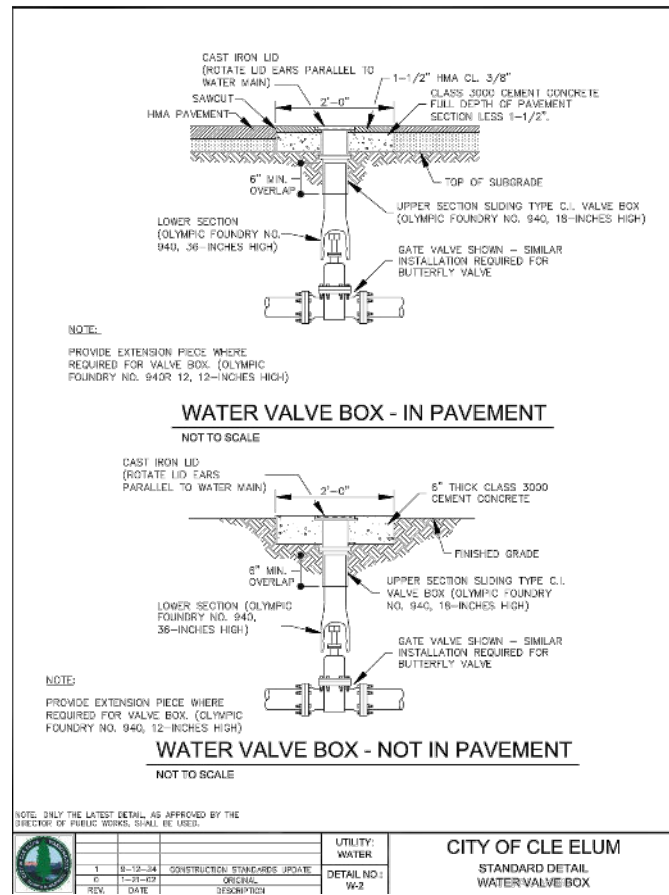
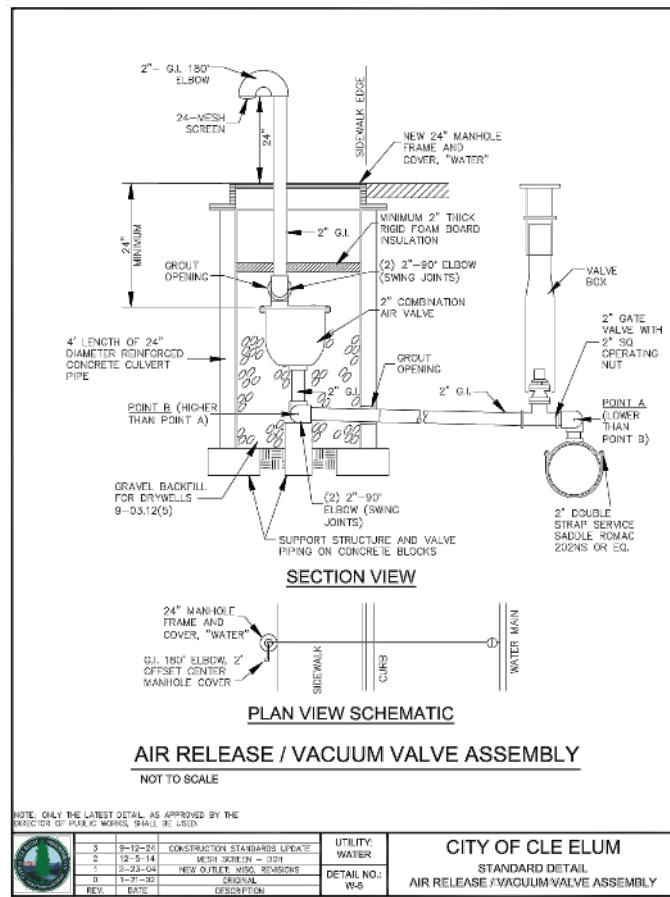
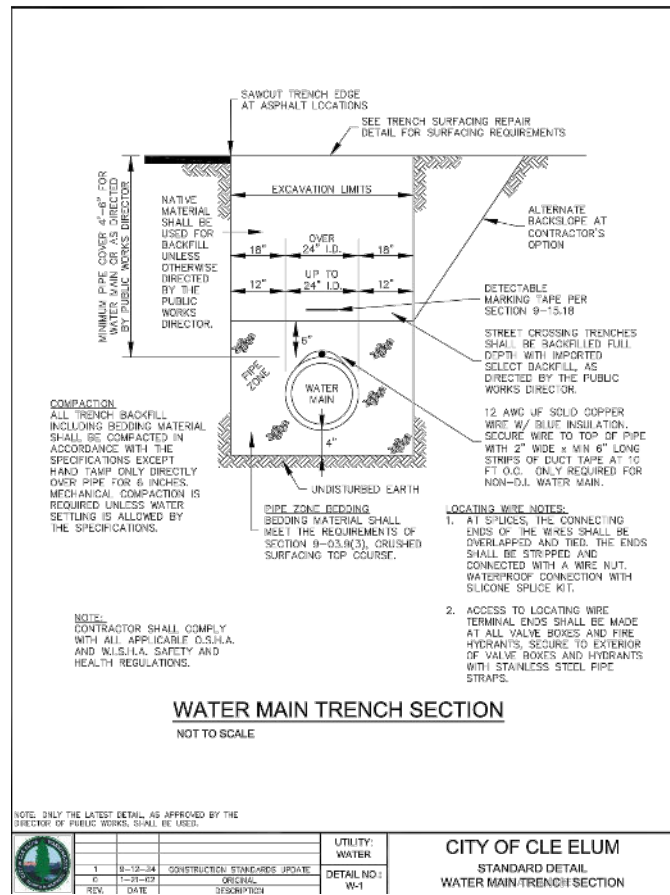
3.2 RETAINING WALL EXPANSION JOINTS
NOT TO SCALE

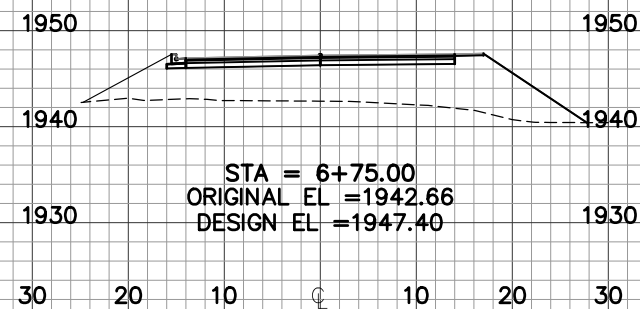
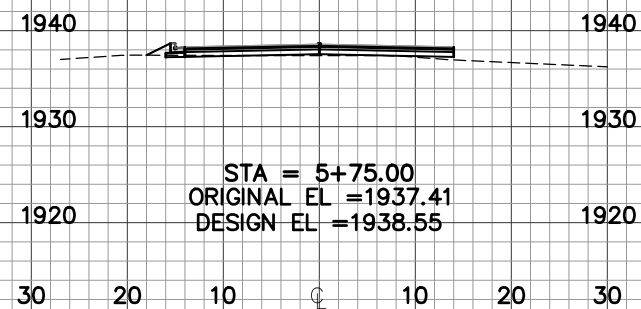
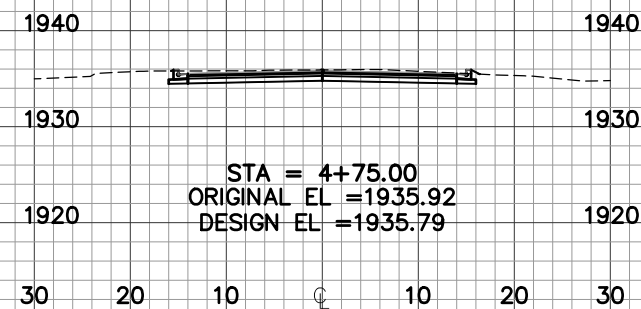
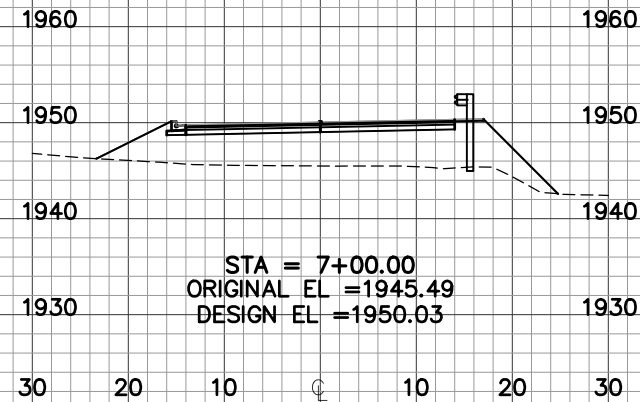
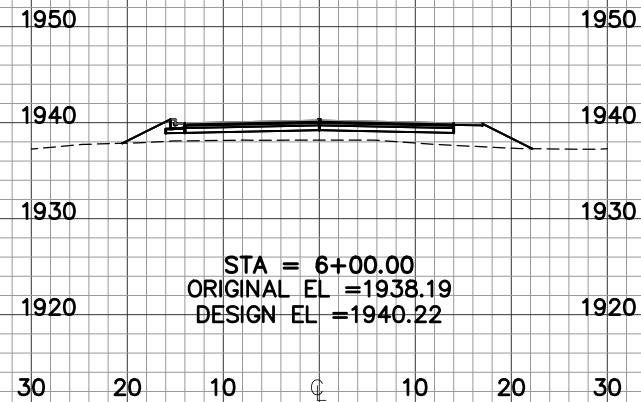
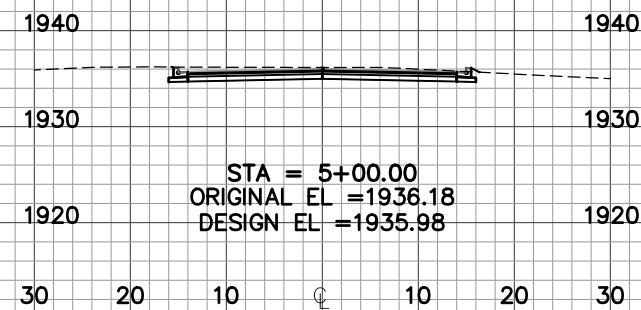
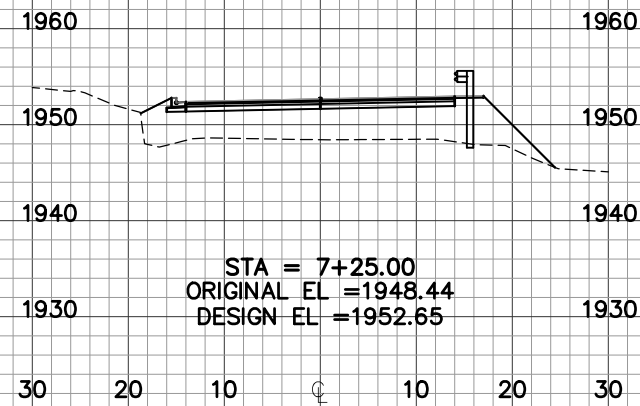
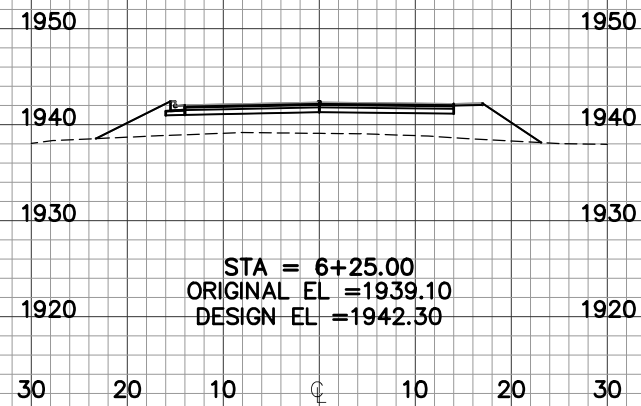
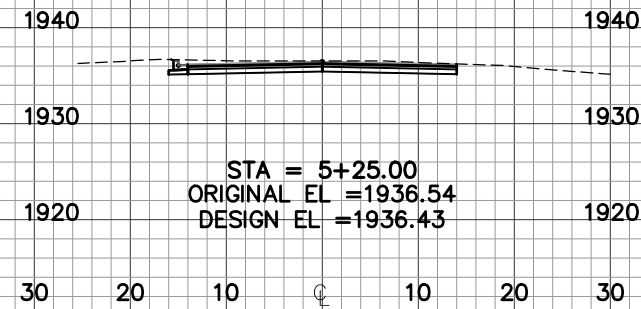
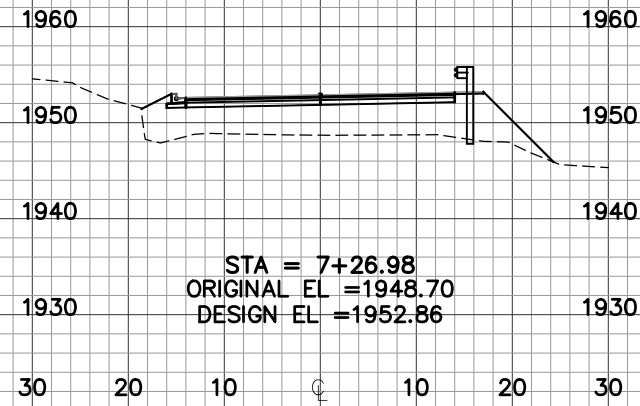
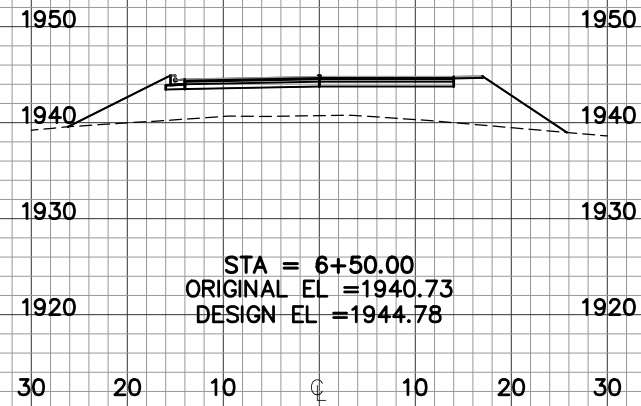
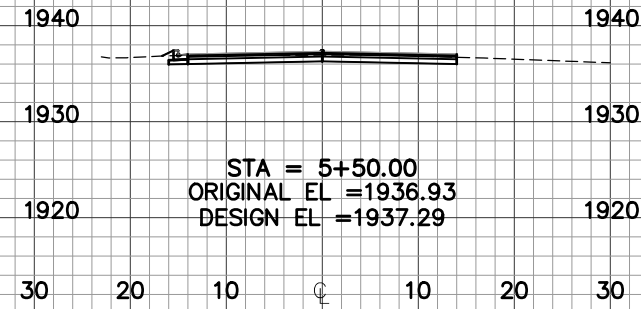


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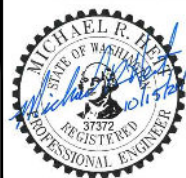
ALL DEPTHS COMPACTED.

3.4 TYPICAL ROADWAY SECTION
NOT TO SCALE





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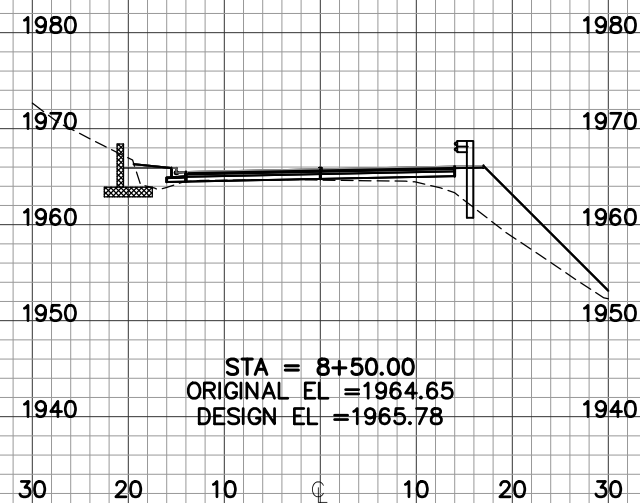
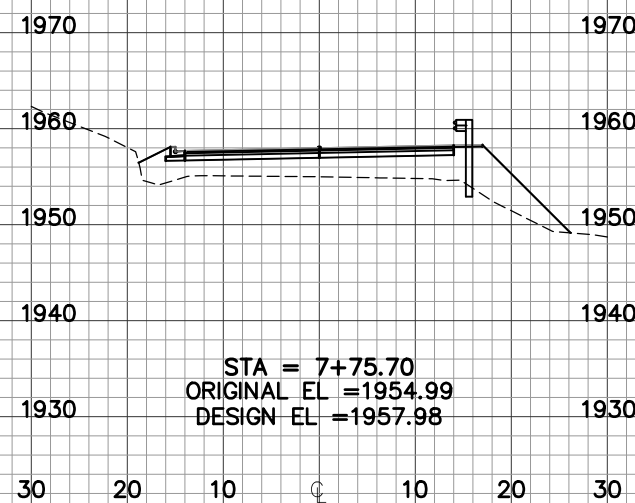
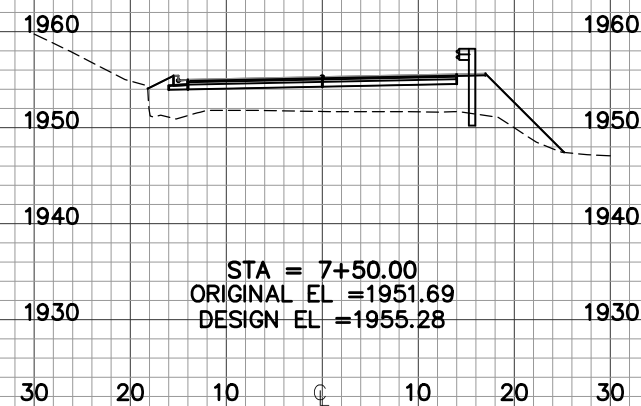
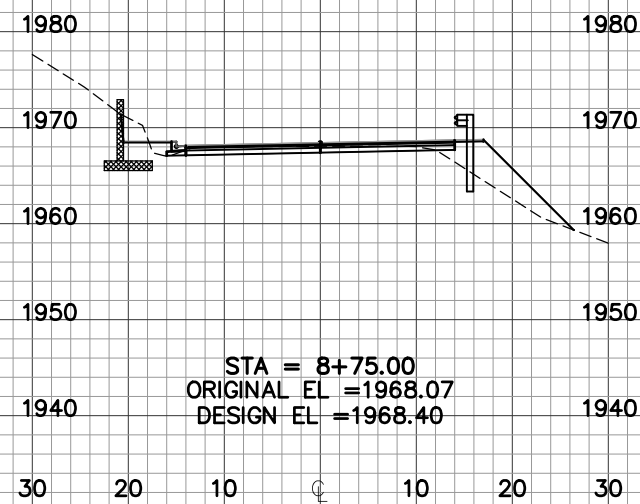
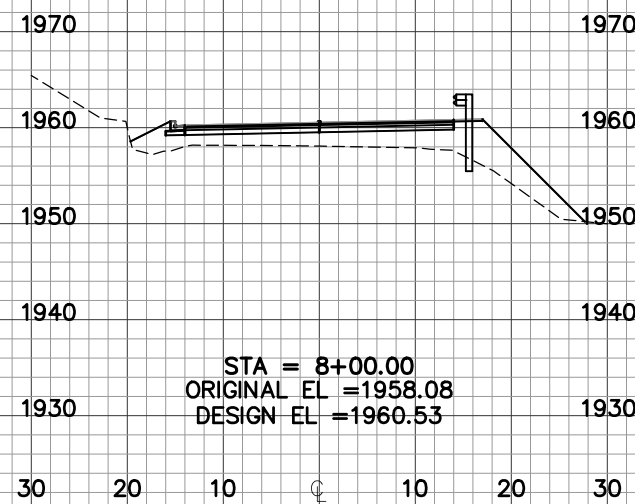
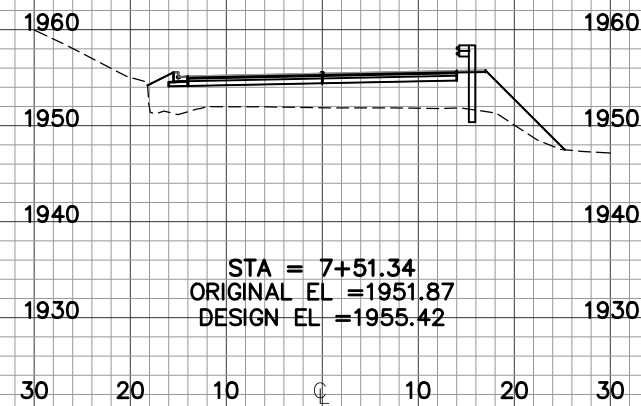
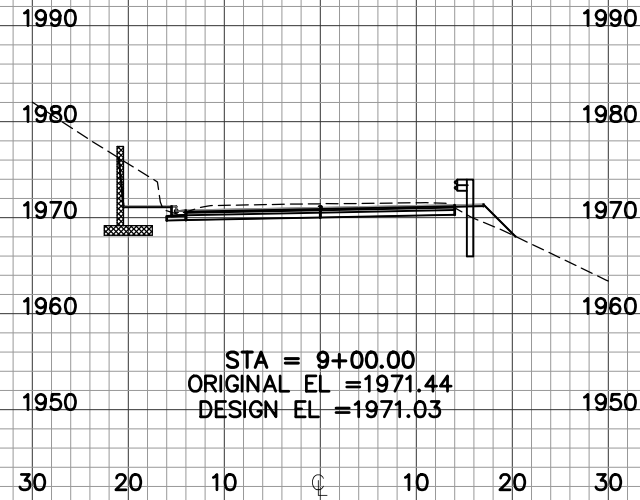
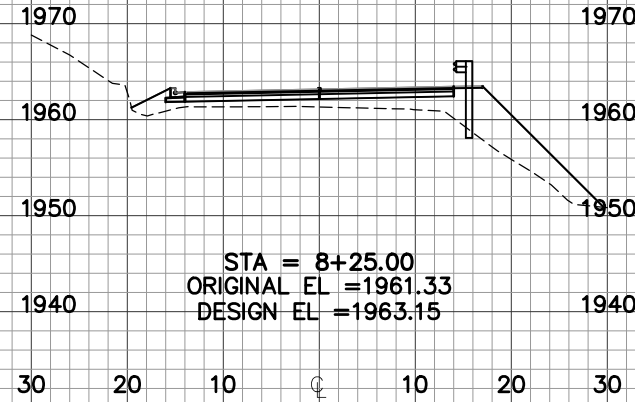
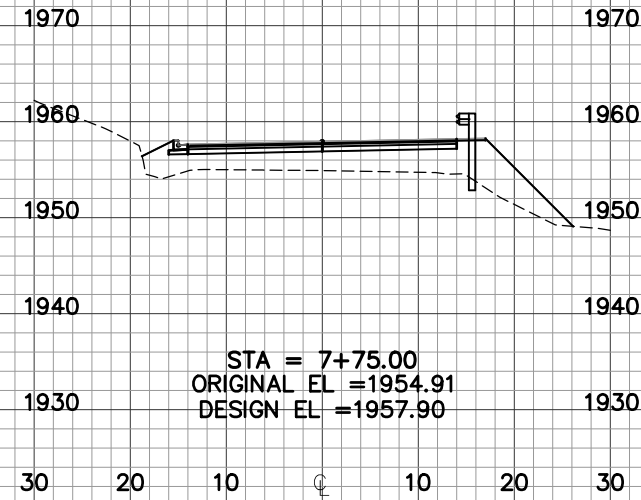
CDBG PROJECT NO. 21-62210-026

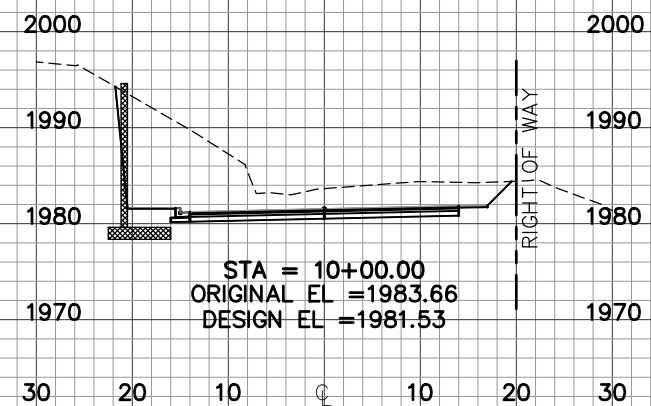
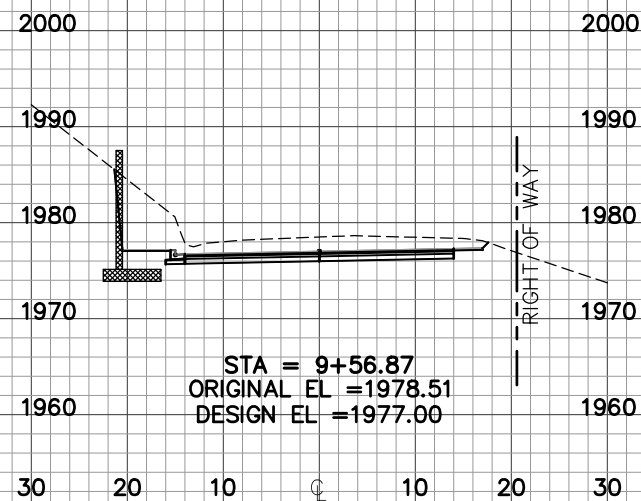
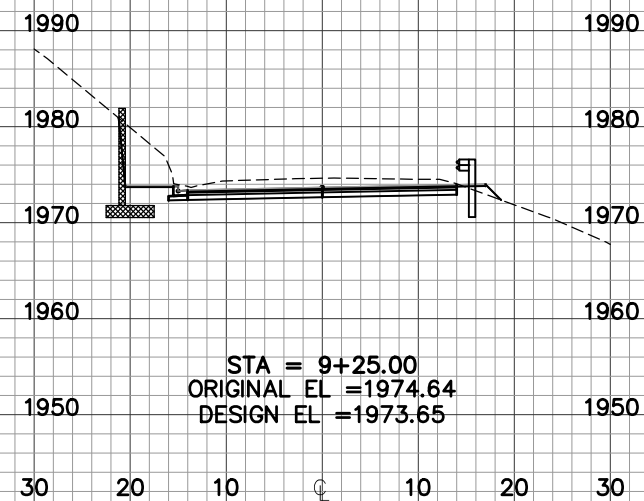
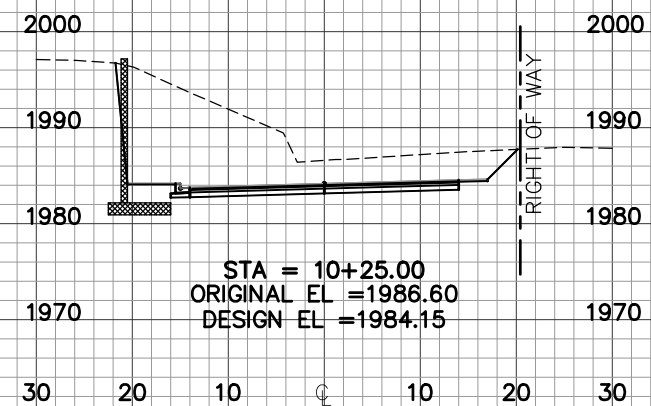
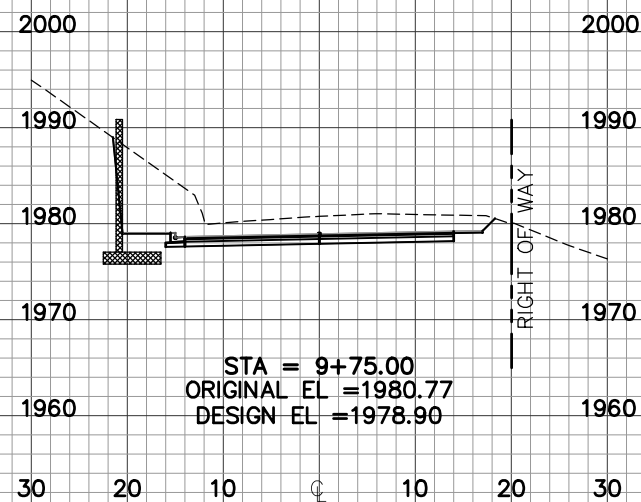
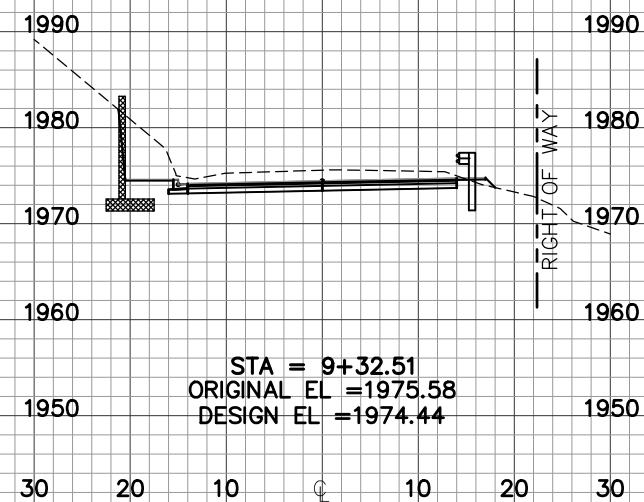
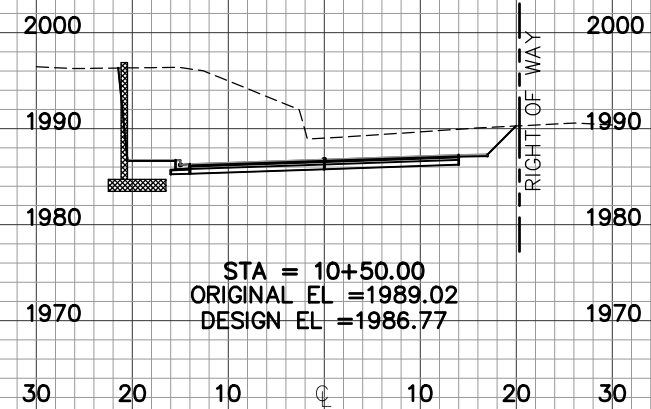
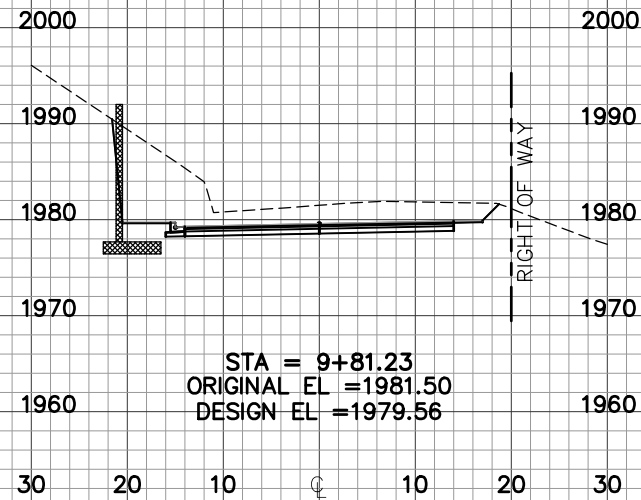
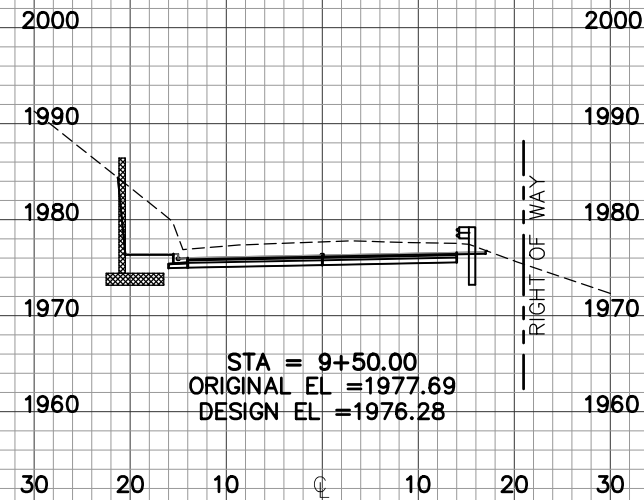
REVISION	DATE

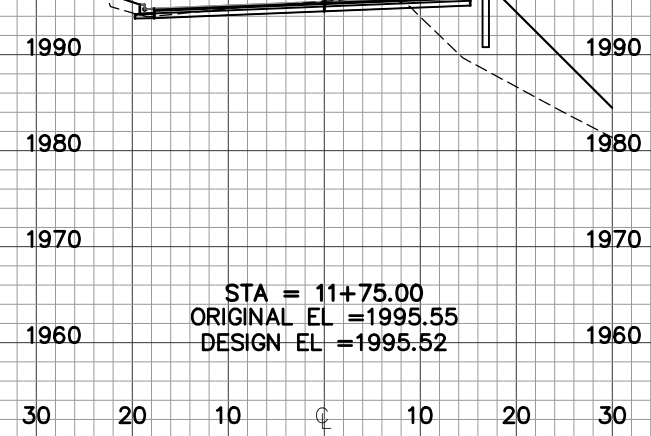
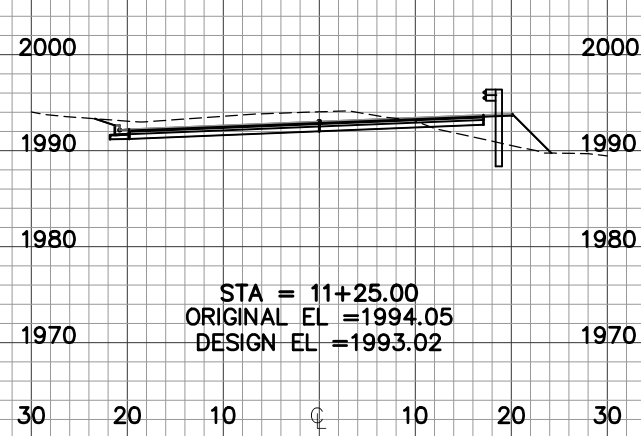
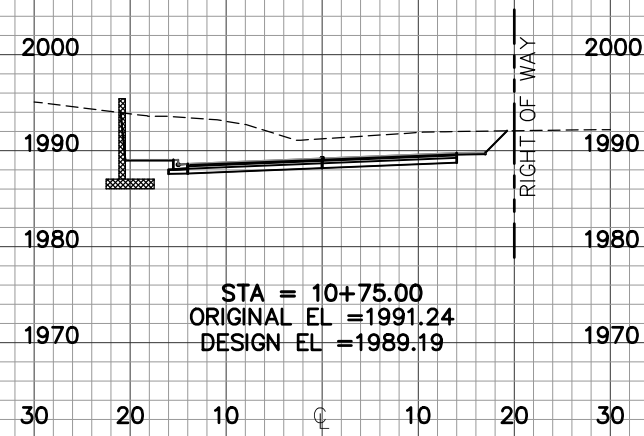
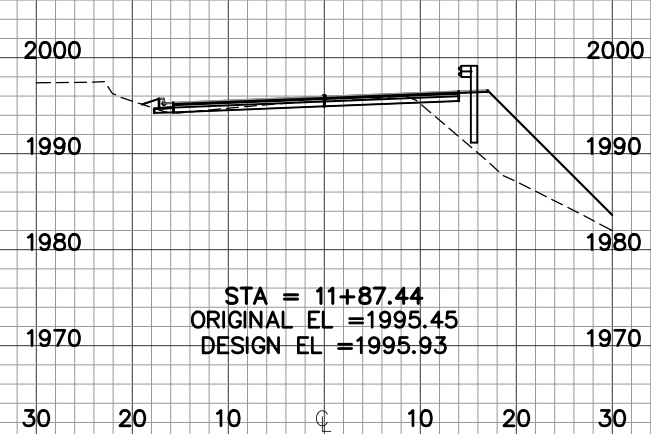
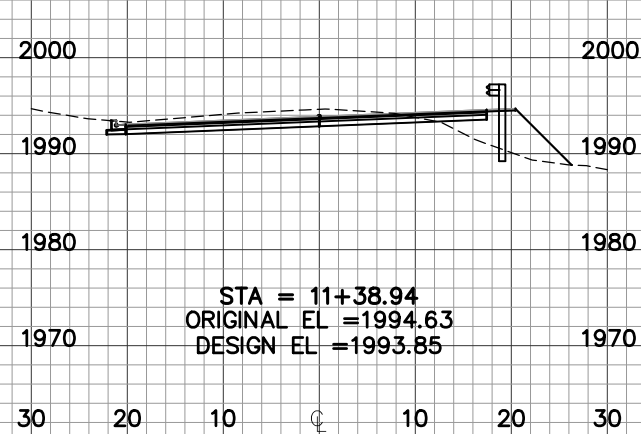
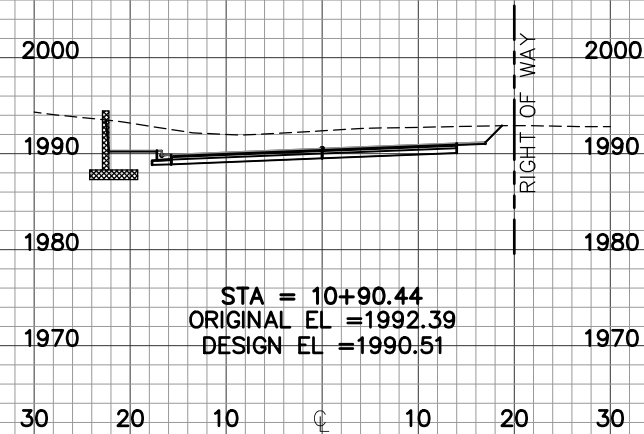
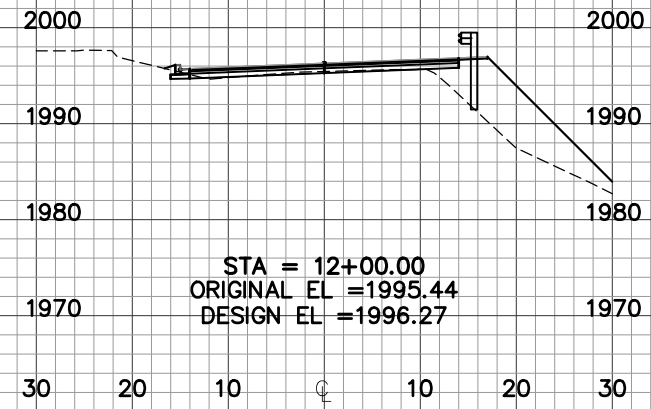
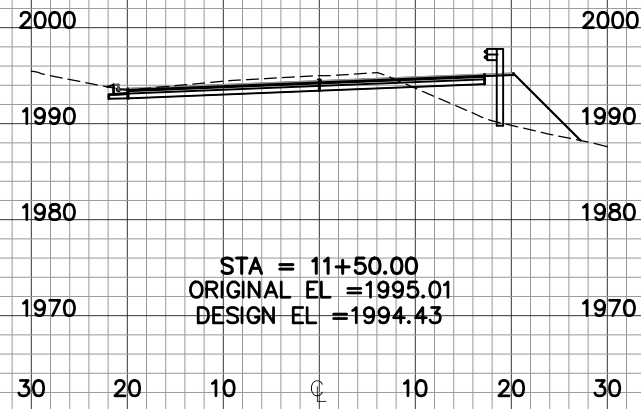
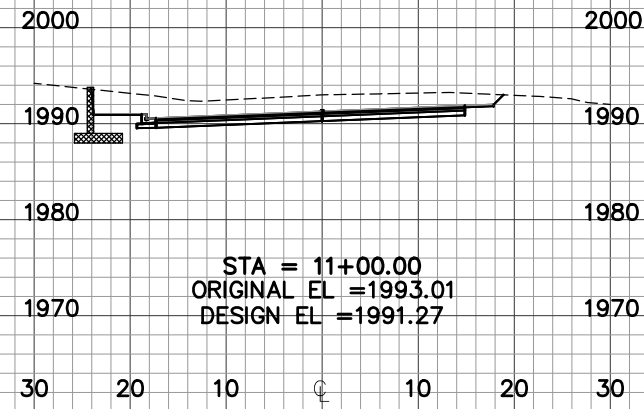
JOB NUMBER: 21241	DATE: 10-15-24
FILE NAMES:	
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PLAN:	21241.dwg
PROFILE:	21241.dwg
DESIGNED BY:	MRH
ENTERED BY:	AJH

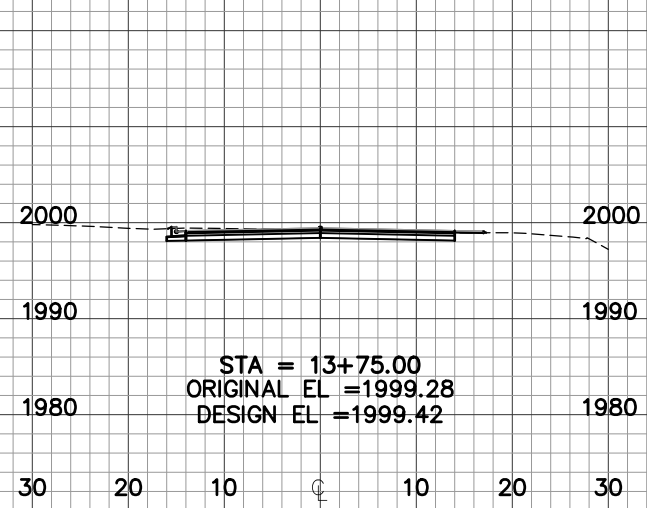
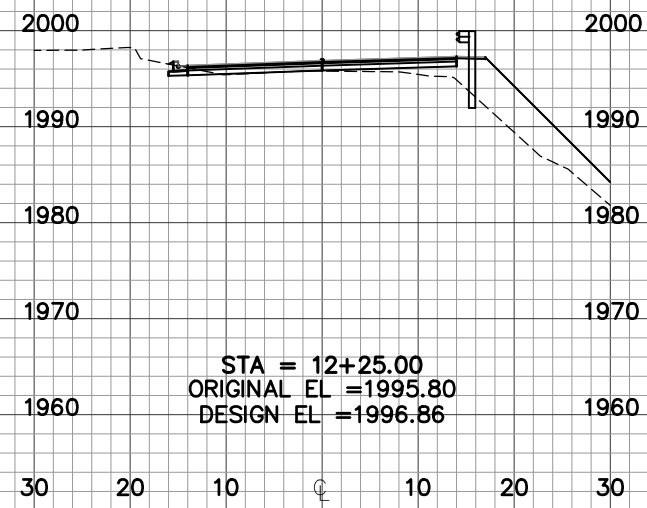
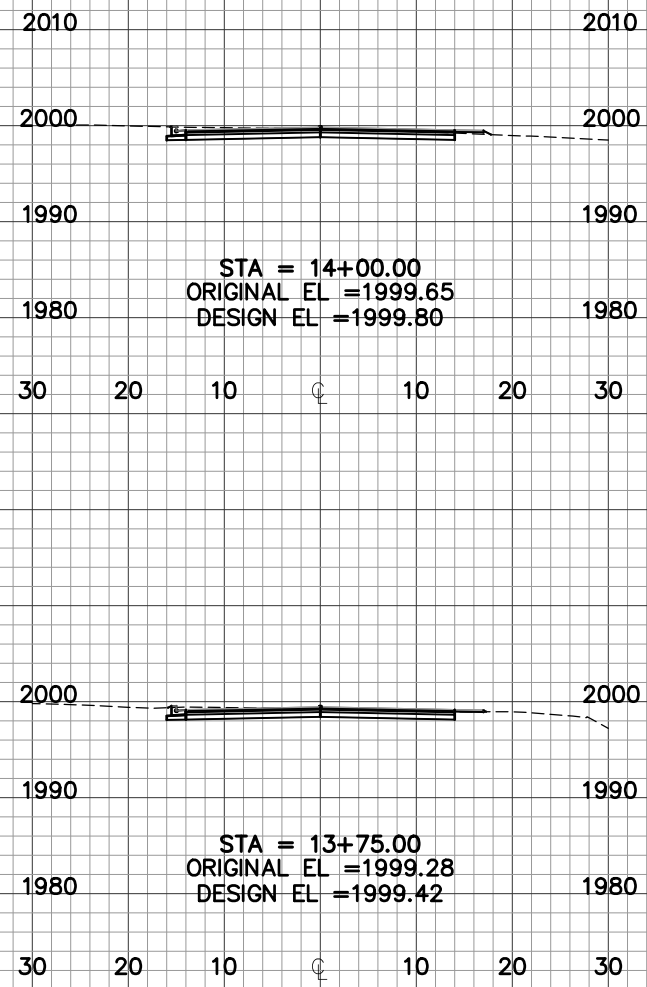
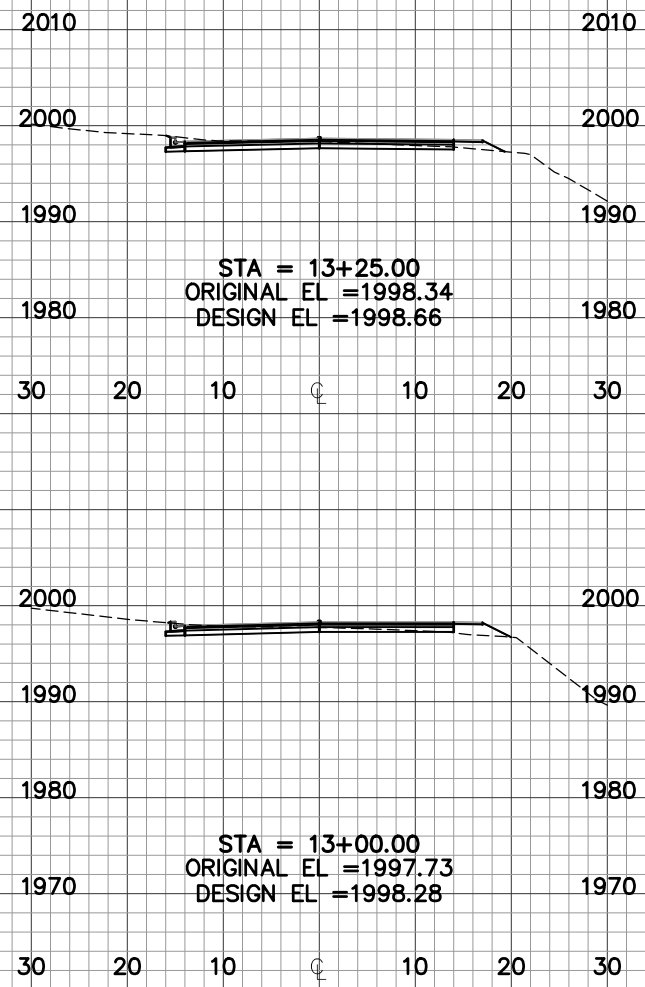
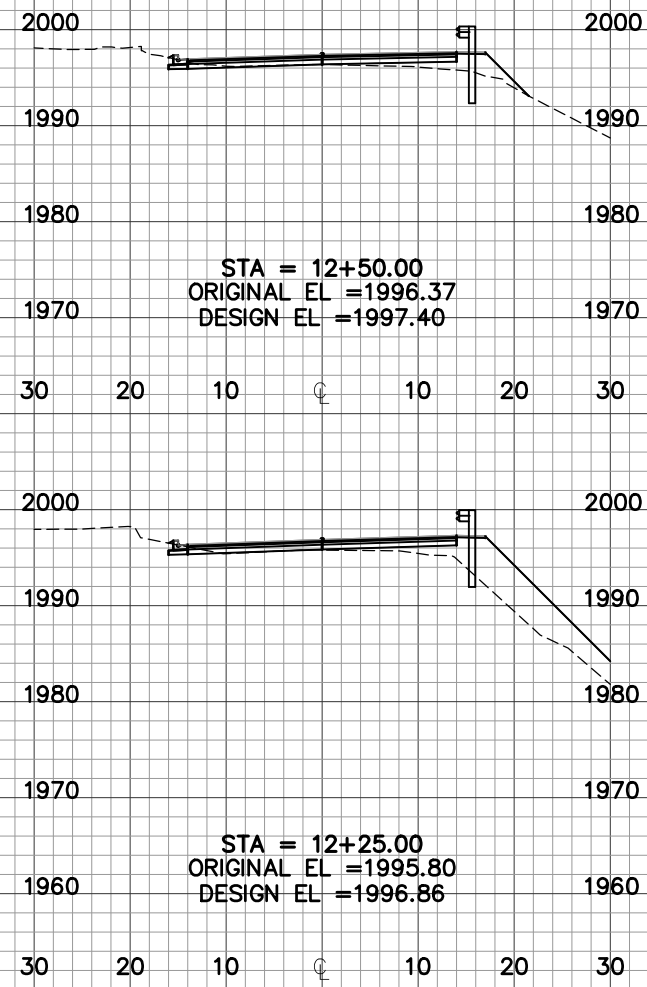
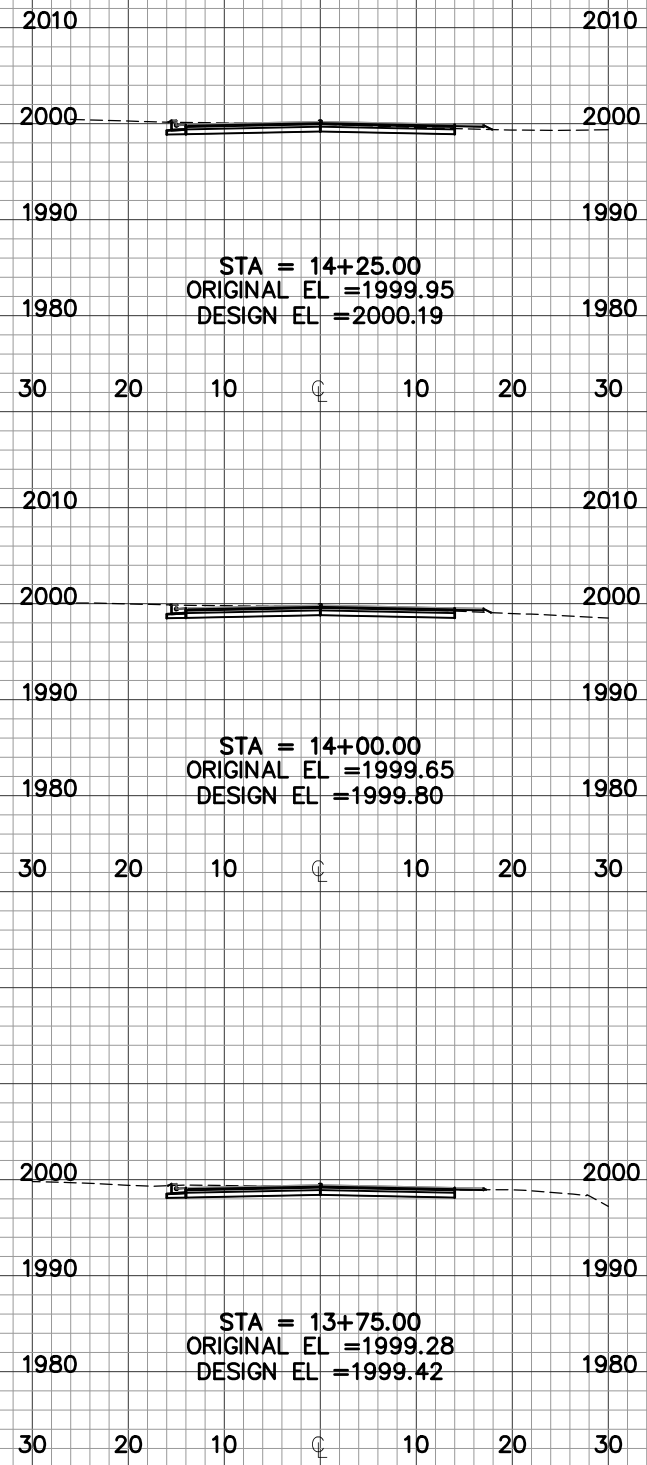
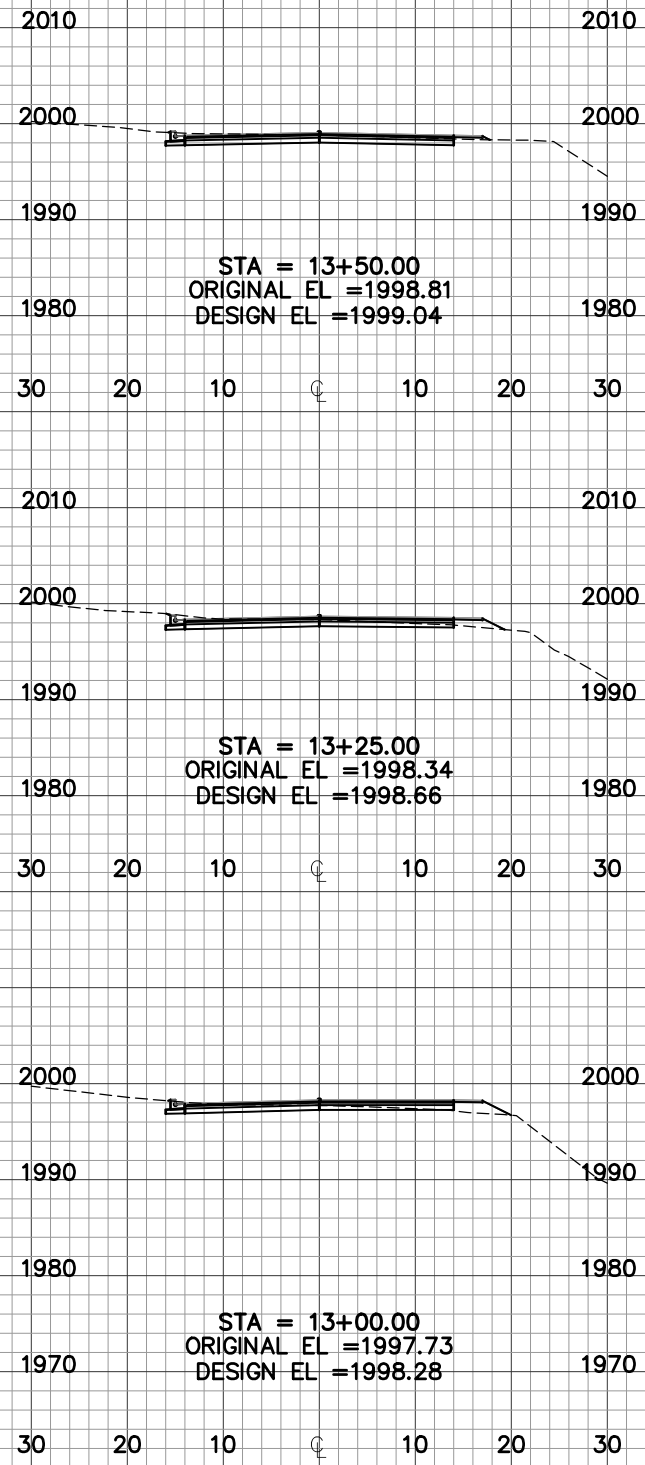
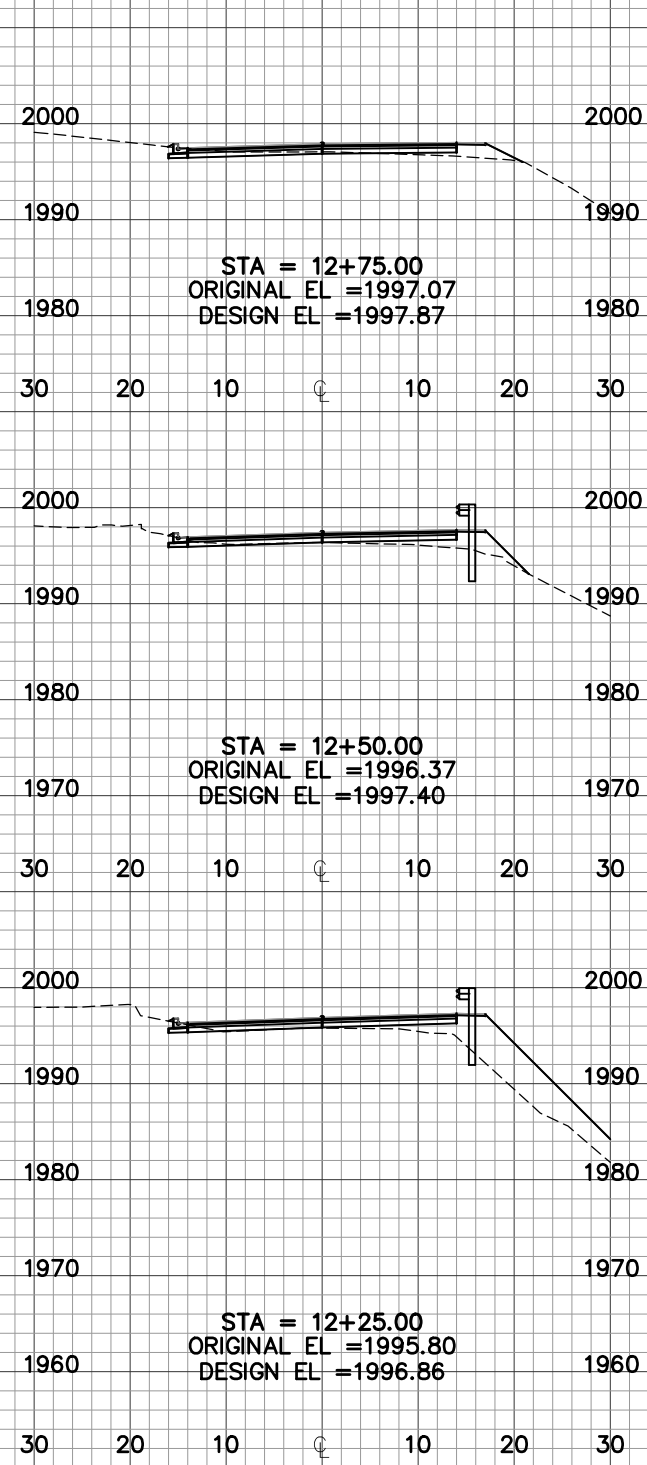
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IMPROVEMENTS
CROSS SECTIONS

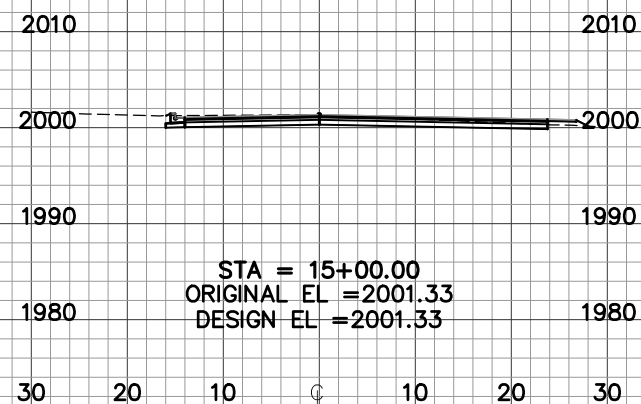
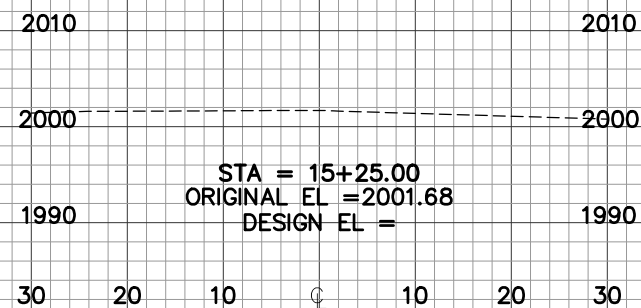
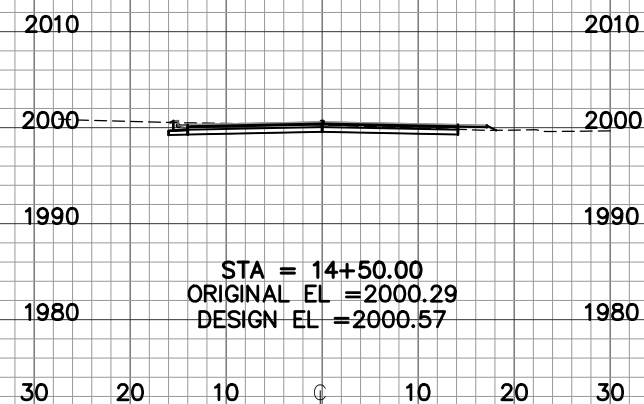
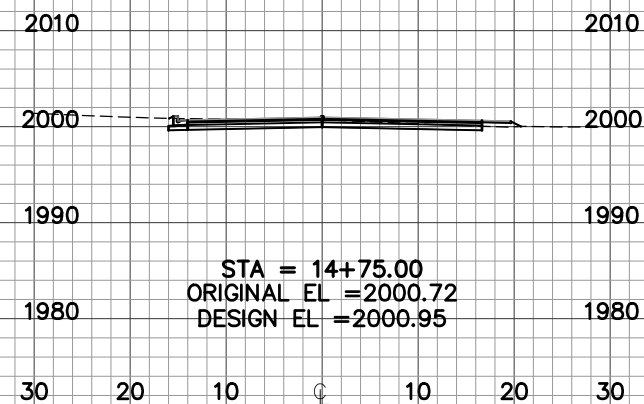
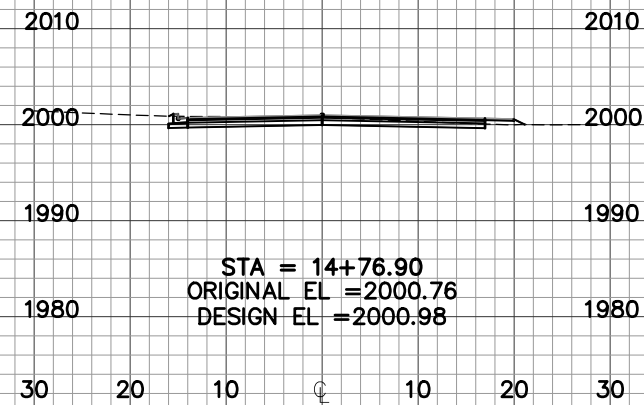
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OF
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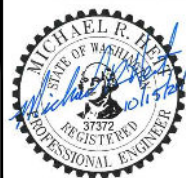








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IMPROVEMENTS

CROSS SECTIONS

SHEET
30
OF
30