

# Altman - Hosner - Lusted Roads Pavement Rehabilitation Project

## General Notes

- ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the Center. The Center business number is 503-232-1987. Excavators are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing an excavation. To comply, call 811.
- All elevations are in reference to the City of Portland Datum. To convert from NGVD29(1947) datum to the City of Portland datum, add 1.375 feet. To Convert from NAVD88 to City of Portland datum, subtract 2.10 feet.
- Contractor to provide "As Constructed" drawings indicating all changes in grade, alignment, fittings and materials installed or any other utilities or obstacles not indicated on these plans.
- Locations of existing utilities are based on best available information supplied by the utilities and shall be considered approximate only. As required by state law, the contractor shall obtain utility locates prior to commencing construction.
- Do not remove any trees without approval from Owners Representative.
- All disturbed and cut areas shall be restored by covering with seed mix per Specifications Section 01030.
- All occurrences of "Left" or "Right" on these plans, refer to the direction from centerline, looking up station.
- Except where otherwise indicated in plans, pave to existing edge of pavement.
- All utilities and culverts to be protected.
- Striping details refer to ODOT TM500, TM503 and TM530.
- Asphalt Roadway See Paving Details, Sheet 9.
- Pavement Transitions:
  - New asphalt to existing roadway - ODOT RD610 or as noted.
  - New asphalt to shoulder - ODOT RD615 or as noted.
  - New asphalt to paved approach - Detail 3 Sheet 9, Detail 3 Sheet 10 or as noted
  - New asphalt to gravel approach - Detail 4 Sheet 9, Detail 4 Sheet 10 or as noted.

**MULTNOMAH COUNTY  
TRANSPORTATION DIVISION**

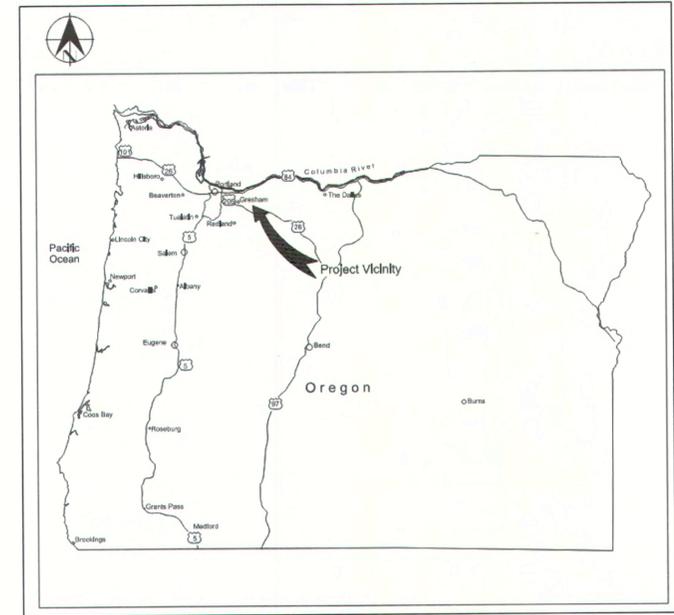
ACCEPTED  
 ACCEPTED WITH COMMENTS  
 APPROVED  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION

DOCUMENTS BEARING THIS STAMP ARE SUBJECT TO THE PROVISIONS SET FORTH IN SECTION 00150 OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION THAT ARE ACTIVE FOR THIS PROJECT. REVIEW IS ONLY FOR GENERAL CONFORMANCE AND COMPLIANCE OF THE PROJECT AND DOES NOT EXTEND TO MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH CONTRACT DOCUMENTS. DIMENSIONS AND FABRICATION TO BE CONFIRMED AND COMPLETED AT THE JOB SITE FOR PROGRESS AND COORDINATION OF THE WORK OF ALL TRADES AND SATISFACTORY WORK PERFORMANCE.

BY **Adam Donovan** DATE **8/19/2024**

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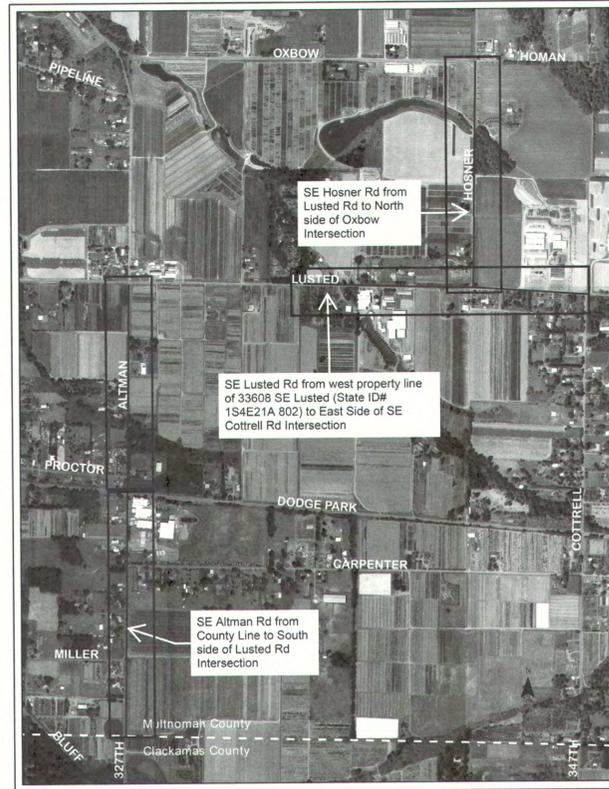


Location Map

NTS

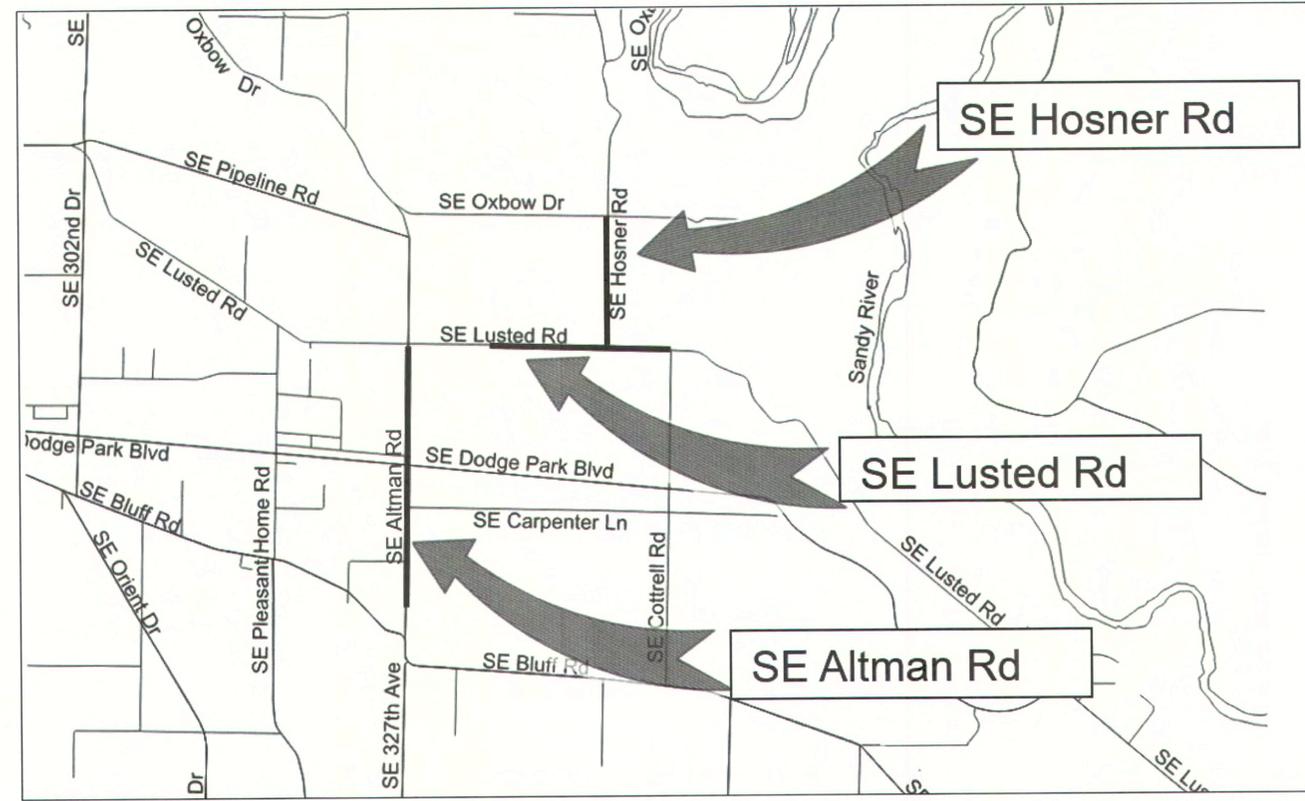
## Legend

	Existing	Proposed
Entrance Apron Limits		
Proposed Drain		
Ditch		
Culvert		
Right of Way Line (Property Line)		
Overhead Lines		
Streambed Centerline		
Edge of Gravel		
Edge of Pavement (Driveways)		
Left Edge of Pavement		
Control Line		
Right Edge of Pavement		
Approximate top of cut		
Grade Break		
Tree Line		
Survey Control Point		
Fence		
Utility Pole		
Temp Sed Fence		
Bio Bags		
Catch Basin Inlet		
Sawcut		



Project Map

NTS



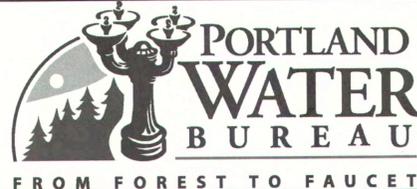
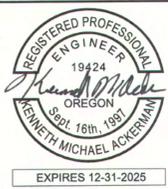
Vicinity Map

NTS

Township/Range	1S4E15, 1S4E16 1S4E21, 1S4E22
Street Opening Permit Number and Date	
Synergen Work Order Number	
Locate Call In Reference Number	

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Designed By	BJK	Program Mgr	DMC
CAD Checked By	QWE	Const Mgr	BJN
Checked By	JDB	Const Supr	JDT
Project Mgr	KMA	Date	



Jodie A. Inman, Chief Engineer, PE No 61197  
Date: 6/27/24

Kenneth M. Ackerman, Principal Engineer, PE No 19424  
Date: 6/27/24



Pavement Rehabilitation Project  
SE Altman Rd - SE Lusted Rd  
SE Hosner Rd

Title Sheet

SAP Project No	W02229
1/4 Section	3863, 3763, 3754, 3765, 3663, 3664, 3665, 3564, 3565
Sheet No	1 of 24

**General Notes**

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE PLANS, CONTRACT DOCUMENTS, DETAILS, AND THE SPECIFICATIONS FOR CONSTRUCTION.

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS ELEVATIONS, SLOPES, AND LENGTHS PRIOR TO CONSTRUCTION. EXISTING UNDERGROUND UTILITY LOCATIONS ARE COMPILED FROM THE BEST AVAILABLE RECORDS. THE ENGINEER OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. ADDITIONAL UTILITIES MAY EXIST WITHIN THE WORK AREA. DEPTHS ARE APPROXIMATE ONLY AND MAY VARY IN DEPT AND DISTANCE FROM THAT INDICATED ON THE PLANS. NOTIFY ENGINEER OF ANY DISCREPANCIES. NO DELAYS WILL BE ALLOWED DUE TO NEGLIGENCE TO COORDINATE WITH UTILITY COMPANIES. CONTRACTOR MUST POT HOLE UTILITIES PRIOR TO CONSTRUCTION AND COORDINATE WITH UTILITY COMPANIES TO RELOCATE FACILITIES AS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY CHANGES IN PUBLIC FACILITIES WITHIN THE JURISDICTION OF THE COUNTY MUST BE REVIEWED AND APPROVED BY COUNTY.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROCURE ALL APPLICABLE PERMITS, LICENSES, AND CERTIFICATES RELATIVE TO THE TRADES TO COMPLETE THE PROJECT AND FOR THE USE OF SUCH WORK WHEN COMPLETED. COMPLIANCE SHALL BE AT ALL LEVELS, FEDERAL, STATE, COUNTY, AND LOCAL RELATING TO THE PERFORMANCE OF THIS WORK.

OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. COPIES OF THE RULES MAY BE OBTAINED BY CALLING THE CENTER (ONE CALL UTILITY LOCATE NUMBER 503-246-6699). ALL EXCAVATORS MUST COMPLY WITH ALL PROVISIONS OR ORS 757.541 TO 757.751 INCLUDING NOTIFICATION OF ALL OWNERS OF UNDERGROUND FACILITIES AT LEAST 48 BUSINESS HOURS, BUT NOT MORE THAN 10 BUSINESS DAYS BEFORE COMMENCING ANY EXCAVATION.

THE CONTRACTOR SHALL MAKE PROVISIONS TO KEEP ALL EXISTING UTILITIES IN SERVICE AND PROTECT THEM DURING CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY DAMAGED UTILITIES USING MATERIALS AND METHODS APPROVED BY THE UTILITY OWNER. NO SERVICE INTERRUPTIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN AGREEMENT WITH THE UTILITY PROVIDER.

THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH MULTNOMAH COUNTY AND THE LOCAL AGENCY PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE TWO (2) WEEKS NOTICE TO SCHEDULE A PRE-CONSTRUCTION MEETING.

CONTRACTOR SHALL NOTIFY THE ENGINEER, MULTNOMAH COUNTY, AND THE CITY PUBLIC WORKS/CITY ENGINEER 48 HOURS IN ADVANCE OF STARTING CONSTRUCTION AND 24 HOURS BEFORE RESUMING WORK AFTER SHUTDOWNS EXCEPT FOR NORMAL RESUMPTION OF WORK FOLLOWING SATURDAYS, SUNDAYS, OR HOLIDAYS.

CONTRACTOR SHALL REMOVE AND DISPOSE OF WASTE MATERIALS IN SUCH A MANNER AS TO MEET ALL APPLICABLE REGULATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AN APPROPRIATE SITE.

FOR UNANTICIPATED CONTAMINATION ENCOUNTERED DURING CONSTRUCTION IN THE COUNTY RIGHT-OF-WAY, THE PERMITTEE/APPLICANT OR ITS AGENT SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE MANAGEMENT AND DISPOSAL OF CONTAMINATED MEDIA ENCOUNTERED. THE PERMITTEE IS ALSO RESPONSIBLE FOR ALL RESULTANT DELAYS.

CONTRACTOR SHALL NOT USE THE PUBLIC RIGHT-OF-WAY FOR STORAGE OF EQUIPMENT, MATERIALS, CONSTRUCTION TRAILERS, AND CONSTRUCTION VEHICLES UNLESS OTHERWISE APPROVED.

IT IS THE OBLIGATION OF THE CONTRACTOR TO OBTAIN WRITTEN APPROVAL FROM PRIVATE PROPERTY IF APPLICABLE, FOR USE OF PRIVATE PROPERTY FOR CONSTRUCTION STAGING AND TO RESTORE PRIVATE PROPERTY TO A CONDITION SATISFACTORY TO PROPERTY OWNER AT PROJECT COMPLETION.

CONTRACTOR SHALL PROVIDE A STAGING PLAN. CONSTRUCTION VEHICLES SHALL ONLY PARK ON A LOCATION INDICATED ON THE CONSTRUCTION STAGING PLAN.

HOURS OF CONSTRUCTION SHALL BE 7:00 AM TO 7:00 PM, MONDAY THROUGH FRIDAY. CONSTRUCTION IS PROHIBITED ON SATURDAY AND SUNDAY AND HOURS OUTSIDE THE NORMAL HOURS OF OPERATION UNLESS OTHERWISE APPROVED IN WRITING. CONSTRUCTION ACTIVITIES INCLUDE ALL FIELD MAINTENANCE OF EQUIPMENT, REFUELING, AND PICK UP AND DELIVERY OF EQUIPMENT AS WELL AS THE ACTUAL CONSTRUCTION ACTIVITY.

THE CONTRACTOR SHALL HAVE A MINIMUM OF ONE (1) SET OF APPROVED CONSTRUCTION PLANS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.

CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET THE INTENT OF THE PROJECT CONTRACT DOCUMENTS, PLANS AND APPLICABLE AGENCY REQUIREMENTS AND OTHER WORK NECESSARY TO PROVIDE A COMPLETE PROJECT IN AN ACCEPTABLE MANNER.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK. THE CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND OTHERWISE VERIFY DIMENSIONS AND EXISTING CONSTRUCTION CONDITIONS INDICATED AND/OR SHOWN ON THE PLANS. SHOULD ANY ERROR OR INCONSISTENCY EXIST, THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK AFFECTED UNTIL REPORTED TO THE PROJECT ENGINEER FOR CLARIFICATION OR CORRECTION.

ANY INSPECTION BY THE CITY, COUNTY, STATE, FEDERAL AGENCY OR PROJECT ENGINEER SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH THE APPLICABLE CODES, REGULATIONS, PROJECT CONTRACT DOCUMENTS AND CITY, COUNTY AND STATE STANDARDS.

PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL PRESENT A LIST AT THE PRE-CONSTRUCTION MEETING OF SUB-CONTRACTORS, A PROJECT SCHEDULE, ALL MATERIALS SUBMITTALS, ALL SHOP DRAWINGS, A TRAFFIC CONTROL PLAN AND A LIST OF AT LEAST THREE (3) PEOPLE RESPONSIBLE FOR MAINTAINING TRAFFIC CONTROL DURING NON-WORK PERIODS. ALL SUBMITTALS MUST BE READY AT TIME OF PRE-CONSTRUCTION MEETING.

THE CONTRACTOR SHALL COORDINATE WITH PGE OR UTILITY POLE OWNER FOR TEMPORARY SUPPORT OR RELOCATION FOR UTILITY POLES IN CLOSE PROXIMITY TO THE WORK.

AREAS OF CONSTRUCTION SHALL BE STRIPPED BY REMOVING TOPSOIL, AND OTHER MATERIALS NOT SUITABLE FOR COMPACTION. STRIPPED MATERIALS SHALL NOT BE USED FOR ROADWAY EMBANKMENT OR STRUCTURAL FILL. ALL FILL SHALL BE CONSIDERED STRUCTURAL FILL. FILL AREAS TO BE INSPECTED BY THE COUNTY OR PROJECT ENGINEER PRIOR TO PLACEMENT OF FILL OR BASE MATERIALS.

ADJUST ALL WATER VALVE BOXES, MANHOLE AND CLEAN OUT RIMS, AND METER BOXES TO MATCH FINISHED GRADE.

CONTRACTOR SHALL PROTECT EXISTING MONUMENTS, BENCHMARKS, PROPERTY CORNERS AND GOVERNMENT CORNERS WHERE FEASIBLE. IF MONUMENTS ARE DISTURBED OR DESTROYED, NOTIFY THE PROJECT ENGINEER.

THE CONTRACTOR SHALL CONTROL TRAFFIC THROUGH THE PROJECT SITE IN CONFORMANCE WITH THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" AND "OREGON SUPPLEMENTS" TO MUTCD.

IF TEMPORARY ROAD CLOSURES ARE REQUIRED, CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND OCCUPANTS AFFECTED BY THE CLOSURE BY MAIL OR DOOR HANGER AT LEAST 48 HOURS PRIOR TO ROAD CLOSURE. ROADS SHALL BE REOPENED AT THE END OF EACH DAY TO ALL ACCESS TO ALL PROPERTIES.

THE CONTRACTOR SHALL TAKE NO ADVANTAGE OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES IN THE PLANS. WHEN ERRORS, OMISSIONS, OR DISCREPANCIES ARE FOUND, THE ENGINEER AND THE COUNTY SHALL BE NOTIFIED. WORK PERFORMED BY THE CONTRACTOR AS A RESULT OF AN ERROR, OMISSION, OR DISCREPANCY IN THE PLANS SHALL BE AT CONTRACTOR'S RISK AND EXPENSE WHEN SUCH ERROR, OMISSION, OR DISCREPANCY HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ENGINEER AND THE COUNTY.

ENGINEER SHALL BE CONTACTED PRIOR TO ANY VARIATION FROM THE APPROVED PLANS.

SUBSEQUENT SETTLEMENT OR CRACKING OF FINISHED SURFACE WITHIN THE WARRANTY PERIOD SHALL BE CONSIDERED TO BE A FAILURE OF THE SUBGRADE AND REPAIRED AT NO COST TO THE COUNTY AND IN A MANNER ACCEPTABLE TO THE COUNTY.

PRIOR TO FINAL ACCEPTANCE AND PAYMENT, THE CONTRACTOR SHALL CLEAN THE WORK SITE AND ADJACENT AREAS OF ANY DEBRIS, DISCARDED ASPHALTIC CONCRETE MATERIAL OR OTHER ITEMS DEPOSITED BY THE CONTRACTOR'S PERSONNEL DURING THE PERFORMANCE OF THE CONTRACT.

CONTRACTOR SHALL PROVIDE AS-BUILT INFORMATION TO THE COUNTY ONCE APPROVED BY PORTLAND WATER BUREAU.

STANDARD EROSION AND SEDIMENTATION CONTROL:

UNDER NO CONDITION SHALL SEDIMENT BE WASHED INTO THE STORM SEWER SYSTEM OR DRAINAGEWAYS.

STORM DRAIN INLETS, CATCHBASINS, AND AREA DRAINS SHALL BE PROTECTED USING THE APPROVED BEST MANAGEMENT PRACTICE (BMP) AT ALL TIMES DURING CONSTRUCTION.

EFFECTIVE EROSION CONTROL, DUST CONTROL, AND DRAINAGE CONTROL IS REQUIRED AT ALL TIMES. THE COUNTY MAY ORDER STOPPAGE OF WORK TO EFFECT CORRECTIVE ACTION AT ANY TIME.

APPLY TEMPORARY AND PERMANENT SOIL STABILIZATION MEASURES ON ALL DISTURBED AREAS AS GRADING PROGRESSES.

CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND FROM OCTOBER 1 THROUGH MAY 31.

DURING WET WEATHER PERIODS TEMPORARY STABILIZATION OF THE SITE MUST OCCUR AT THE END OF EACH WORK DAY IF RAINFALL IS FORECAST IN THE NEXT 24 HOURS.

ALL EROSION AND SEDIMENT CONTROLS NOT IN THE DIRECT PATH OF WORK MUST BE INSTALLED PRIOR TO ANY LAND DISTURBANCE.

PRESERVE EXISTING VEGETATION AND RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION.

ALL TEMPORARY SEDIMENT CONTROLS MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED.

SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION.

WATERTIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON-SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMP'S; SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMAL SPILLAGE.

TEMPORARY STABILIZATION OR COVERING OF SOIL STOCKPILES MUST OCCUR AT THE END OF EACH WORK DAY OR OTHER BMP'S MUST BE IMPLEMENTED TO PREVENT TURBID DISCHARGES TO SURFACE WATERS.

DEVELOP AND MAINTAIN ONSITE A WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURE.

ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL.

THE PERMITTEE MUST PROPERLY PREVENT AND MANAGE HAZARDOUS WASTE, USED OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION.

SIGNIFICANT AMOUNTS OF SEDIMENT WHICH LEAVE THE SITE MUST BE CLEANED UP WITHIN 24 HOURS AND PLACED BACK ON THE SITE AND STABILIZED OR PROPERLY DISPOSED. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING A REOCCURRENCE OF THE DISCHARGED WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DIVISION OF STATE LANDS REQUIRED TIME FRAME.

SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGEWAYS, OR WATER BODIES. DRY SWEEPING MUST BE USED TO CLEAN UP RELEASED SEDIMENTS.

THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW THE MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE TAKEN IN THE APPLICATION OF FERTILIZERS WITHIN ANY WATER WAY RIPARIAN ZONE.

SEDIMENT MUST BE REMOVED FROM BEHIND SEDIMENT FENCE WHEN VEGETATION HAS REACHED THE HEIGHT OF THE FENCE ABOVE THE GROUND, AND BEFORE FENCE REMOVAL.

SEDIMENT MUST BE REMOVED FROM BEHIND BIO BAGS AND OTHER BARRIERS WHEN IT HAS REACHED A HEIGHT OF TWO (2) INCHES AND BEFORE BMP REMOVAL.

CLEANING OF TRAPPED CATCH BASINS MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY (50) PERCENT, AND AT COMPLETION OF PROJECT.

REMOVAL OF TRAPPED SEDIMENT IN A SEDIMENT BASIN OR SEDIMENT TRAP MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY (50) PERCENT, AND AT COMPLETION OF PROJECT.

DEQ MUST APPROVE OF ANY TREATMENT SYSTEM AND OPERATIONAL PLAN THAT MAY BE NECESSARY TO TREAT CONTAMINATED CONSTRUCTION DEWATERING OR SEDIMENT AND TURBIDITY IN STORMWATER RUNOFF.

SHOULD ALL CONSTRUCTION ACTIVITIES CEASE FOR THIRTY (30) DAYS OR MORE, THE ENTIRE SITE MUST BE TEMPORARILY STABILIZED USING VEGETATION OR A HEAVY MULCH LAYER, TEMPORARY SEEDING, OR OTHER METHOD.

SHOULD CONSTRUCTION ACTIVITIES CEASE FOR FIFTEEN (15) DAYS OR MORE ON ANY SIGNIFICANT PORTION OF A CONSTRUCTION SITE, TEMPORARY STABILIZATION IS REQUIRED FOR THAT PORTION OF THE SITE WITH STRAW, COMPOST, OR OTHER COVERING THAT WILL PREVENT SOIL OR WIND EROSION UNTIL WORK RESUMES ON THAT PORTION OF THE SITE.

PAVING:

THE CONTRACTOR SHALL ADJUST ALL VALVES BOXES, MANHOLES, AND WATER METERS TO FINISHED GRADE.

THE CONTRACTOR SHALL SAWCUT STRAIGHT MATCHLINES TO CREATE A CLEAN BUTT JOINT BETWEEN THE EXISTING AND NEW PAVEMENT. SEAL ALL NEW PAVEMENT JOINTS WITH RUBBERIZED SEALANT.

AGGREGATE BASE SHALL BE COMPACTED PER THE CURRENT OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION. CONTRACTOR TO HAVE AGGREGATE BASE COMPACTION TESTING CONDUCTED BY A QUALIFIED TESTING FACILITY PRIOR TO PLACEMENT OF ASPHALT CONCRETE WITHIN THE PUBLIC RIGHT-OF-WAY. TEST REPORTS TO BE PROVIDED TO MULTNOMAH COUNTY.

ASPHALT CONCRETE SHALL BE COMPACTED PER THE CURRENT OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTIONS. CONTRACTOR TO HAVE ASPHALT CONCRETE COMPACTION TESTING CONDUCTED BY A QUALIFIED TESTING FACILITY FOR ALL ASPHALT PAVEMENT PLACED WITHIN THE PUBLIC RIGHT-OF-WAY. TEST REPORTS TO BE PROVIDED TO MULTNOMAH COUNTY.

ALL EXCAVATIONS WITHIN A PAVED STREET OPEN TO TRAFFIC SHALL BE TEMPORARILY RESURFACED AT THE END OF EACH WORK DAY AND PRIOR TO ALLOWING VEHICULAR TRAFFIC ONTO EXCAVATED AREAS. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING, MAINTAINING, AND REMOVING TEMPORARY SURFACING MATERIALS. NO MEASUREMENT WILL BE MADE FOR TEMPORARY SURFACING MATERIALS AND IS CONSIDERED INCIDENTAL TO THE OVERALL CONSTRUCTION.

LONGITUDINAL JOINTS SHALL FALL ON EITHER LANE LINES OR FOG LINES.

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6/26/2024

No	Date	Description	Appd
Revision			
Survey	Unknown	Unknown	

Designed By	BJK	Program Mgr	DMC
CAD Checked By	GWE	Const Mgr	BJN
Checked By	JDB	Const Supvr	JDJ
Project Mgr	KMA	Date	

BLK	DMC
GWE	BJN
JDB	JDJ
KMA	



*Kenneth M. Ackerman*  
Kenneth M. Ackerman, Principal Engineer, PE No 19424

*Gledex*  
Date



Pavement Rehabilitation Project  
SE Altman Rd - SE Lusted Rd  
SE Hosner Rd

SAP Project No  
W02229  
1/4 Section  
3863, 3763, 3764,  
3765, 3663, 3664,  
3665, 3564, 3565  
Sheet No

**County Standard Erosion And Sedimentation Control Notes:**

**STANDARD EROSION AND SEDIMENTATION CONTROL:**

UNDER NO CONDITION SHALL SEDIMENT BE WASHED INTO THE STORM SEWER SYSTEM OR DRAINAGE WAYS.

STORM DRAIN INLETS, CATCHBASINS, AND AREA DRAINS SHALL BE PROTECTED USING THE APPROVED BEST MANAGEMENT PRACTICE (BMP) AT ALL TIMES DURING CONSTRUCTION.

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WATERTIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON-SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMP'S; SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMAL SPILLAGE.

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SIGNIFICANT AMOUNTS OF SEDIMENT WHICH LEAVE THE SITE MUST BE CLEANED UP WITHIN 24 HOURS AND PLACED BACK ON THE SITE AND STABILIZED OR PROPERLY DISPOSED. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING A REOCCURRENCE OF THE DISCHARGED WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DIVISION OF STATE LANDS REQUIRED TIME FRAME.

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**Legend**

Catch Basin Inlet  
Edge of Roadway  
Project Area



Area of Concern\*  
\* Area to be determined by Portland Water Bureau engineer or Project Manager.

**Note:**  
For additional information on detail drawings see the most recent version of the Bureau of Development Services Erosion Control Manual.

**Erosion Control Notes**

**General**

- Erosion Control is required for this project. Erosion Control measures (or ESC facilities) must be installed and maintained in accordance with the most recent version of the City of Portland's, Bureau of Development Service Erosion Control Manual, the approved Erosion, Sediment and Pollution Control Plan (ESPCP) and the Special Provisions. Selected Standard drawings from the Erosion Control Manual are reproduced on this sheet. However, a current Erosion Control Manual must be kept on site for installation and maintenance specifications, and for guidance in preparing alternative Erosion Control.
- Approval of the Erosion, Sediment and Pollution Control Plan (ESPCP) does not constitute an approval or permanent road or drainage design (EG: size and location of roads, pipes, restrictors, channels, retention facilities, utilities, etc).
- Approval of the Erosion, Sediment and Pollution Control Plan (ESPCP) does not relieve the Operation Supervisor's/Contractor's responsibility to ensure that the approved Erosion Control best management practices are constructed and maintained to contain sediment and pollutants on the construction site. The implementation of the ESPCP and the construction, maintenance, replacement and upgrading of the ESPCP facilities is the responsibility of the Operations Supervisor/Contractor until all construction is completed and approved, and (where necessary) vegetation/landscaping is established.

**At Beginning of Construction**

- The boundaries of the clearing limits shown on the plan shall be clearly flagged in the field prior to construction. During the construction period, no disturbance beyond the flagged clearing limits shall be permitted. The flagging shall be maintained by the Operations Supervisor/Contractor for the duration of construction.
- Stabilized construction entrances shall be installed (where necessary) at the beginning of construction and maintained for the duration of the project. Additional measures, such as wheel washes or hand brushing, may also be necessary to insure that all paved areas are kept clean for the duration of the project.
- The ESPCP facilities shown on the plan must be constructed in conjunction with all clearing and grading activities, and in such a manner as to insure that sediment and sediment-laden water do not enter the drainage system, roadways or violate applicable water standards.

**During Construction**

- The ESPCP facilities shown on the plan are the minimum requirements for anticipated site conditions. During the construction period, the ESPCP facilities shall be upgraded as needed for the unexpected storm events and to ensure that sediment and sediment-laden water do not leave the site.
- The ESPCP facilities shall be inspected daily by the Operations Supervisor/Contractor and maintained as necessary to ensure their continued functioning.
- The ESPCP facilities on inactive sites shall be inspected and maintained a minimum of once a month or within the 24 hours following a storm event.
- Gravel, matting or plating shall be used to protect the ground surface adjacent to water line construction within the project. A durable and temporary access way shall be selected and designed to be effective in preventing erosion, wheel rutting and excessive compaction. The access way, including all imported material, must be removed after construction.
- Storm water inlets that are functioning during the course of construction shall be protected by approved sediment control measures so that sediment-laden water can not enter the inlets without first being filtered.
- At no time shall more than one (1) foot of sediment be allowed to accumulate within a trapped catch basin. All catch basins and conveyance lines shall be cleaned prior to paving. The cleaning operation shall not flush sediment-laden water into the downstream system.
- Any stockpiled soil must be secured and protected throughout the project with soil stabilization measures including sediment barriers and plastic sheeting. Stockpiling within a wetland must be avoided. However, if temporary stockpiling occurs within a wetland, stockpiles must be covered nightly with plastic per the requirements of the attached DSL permit. The Operations Supervisor/Contractor is accountable for the protection of all stockpiles on the site, and those transported from the site. Deposition of soil may be subject to additional regulation requiring permit, review or Erosion and Sediment Control.
- Any soil tracked onto the street from established construction entrances must be swept up and disposed of on site. Streets must not be washed to remove tracked soil.
- An Erosion Control Inspection Log must be kept on site for review by city inspection staff. The log shall conform to the project special specifications.

**After Construction**

- Erosion control measures shall continue to be monitored, improved and maintained on completed stages of work, until all project work areas are stable.
- A vegetation plan may need to be implemented when necessary. Any replacement vegetative cover planted by Operations Supervisor/Contractor must not include plants listed in either the nuisance or the prohibited plant list, as set forth in the city of Portland plant list.

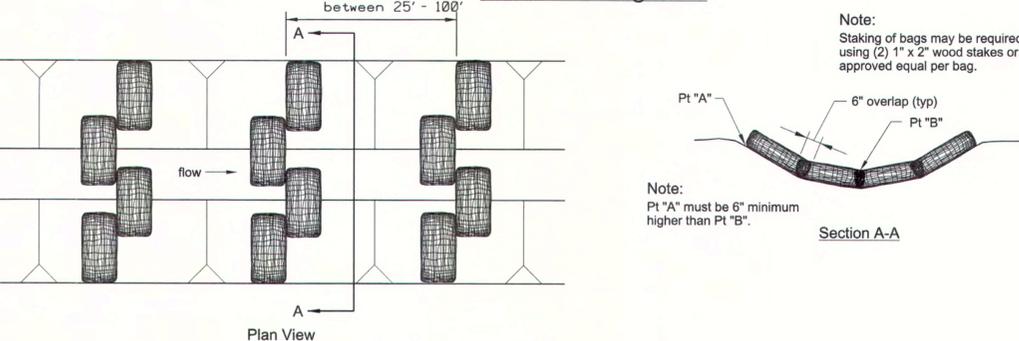
**Sediment Fence Notes**

- The filter fabric shall be purchased in a continuous roll cut to length of 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 both ends securely fastened to the post, or overlap 2-inch x 2-inch posts and attach as shown on detail 4.2A.
- The filter fabric fence shall be installed to follow the contours where feasible. The fence posts shall be spaced a maximum of 6 feet apart and driven securely into the ground a minimum of 24 inches.
- The filter fabric shall have a minimum vertical burial of 6 inches. All excavated material from filter fabric fence installation, shall be back filled and compacted, along the entire disturbed area.
- Standard or heavy-duty filter fabric fence shall have manufactured stitched loops for 2-inch x 2-inch post installation. Stitched loops shall be installed on the uphill side of the slope.
- Filter fabric fences shall be removed when they have served their useful purpose, but not before the up slope area has been permanently protected and stabilized.
- Filter fabric fences shall be inspected by the Operations Supervisor/Contractor immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.

**Note:**

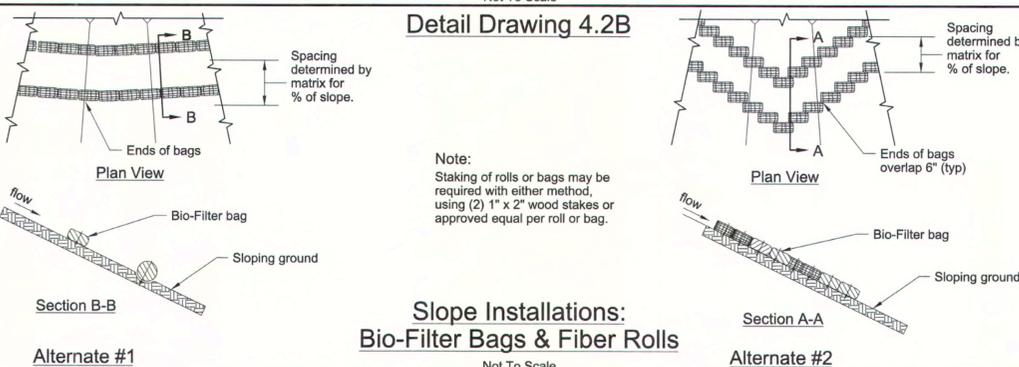
Location of inlets are based on aerial mapping. Contractor will be responsible for field verifying locations of all inlets and providing erosion control.

**Detail Drawing 4.2O**



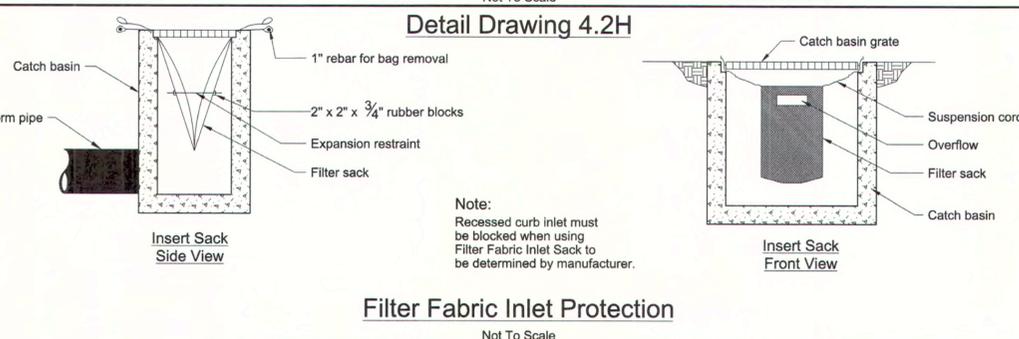
**Bio-Filter Bags for Ditches and Swales**

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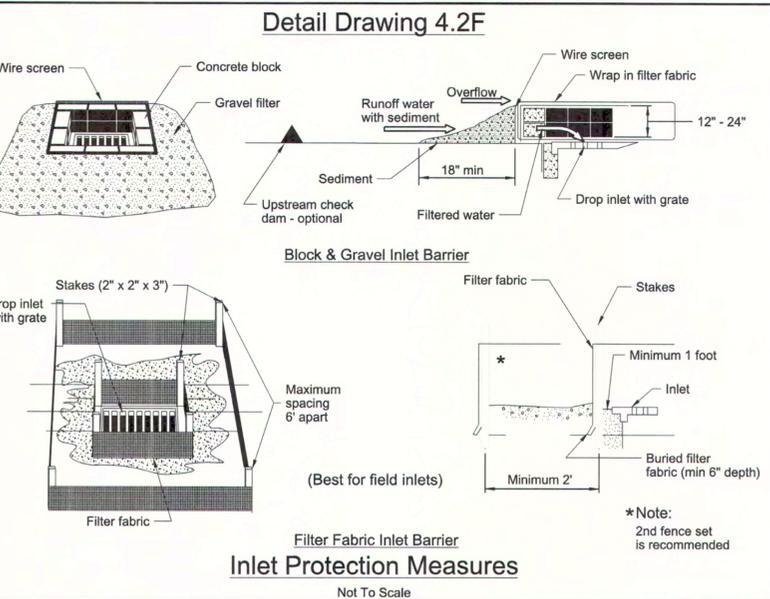
**Slope Installations: Bio-Filter Bags & Fiber Rolls**

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**Filter Fabric Inlet Protection**

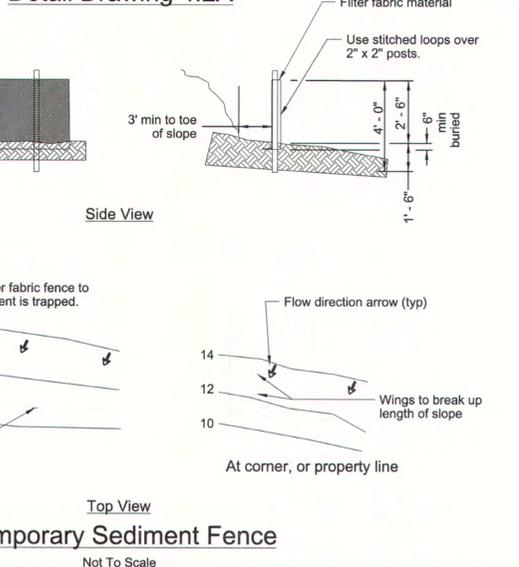
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**Inlet Protection Measures**

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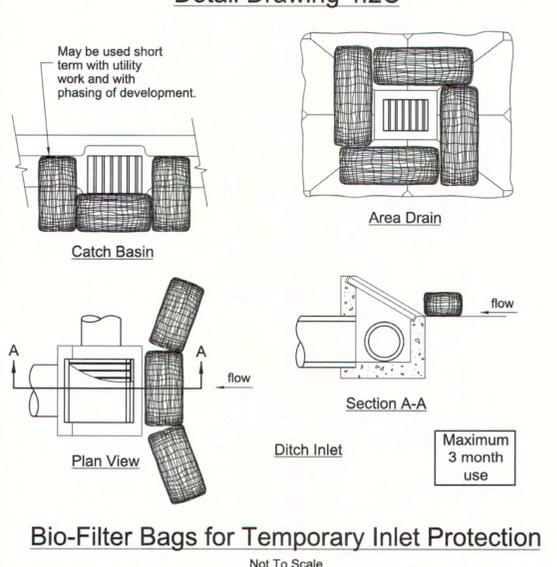
**Detail Drawing 4.2A**



**Temporary Sediment Fence**

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**Detail Drawing 4.2C**



**Bio-Filter Bags for Temporary Inlet Protection**

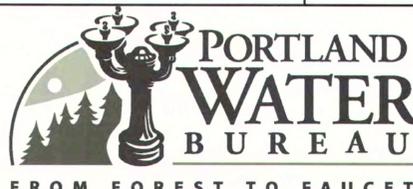
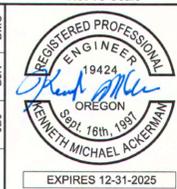
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Checked By <b>JDB</b>	Const Supr <b>JDT</b>
Project Mgr <b>KMA</b>	Date



*Kenneth M. Ackerman*  
Kenneth M. Ackerman, Principal Engineer, PE No 19424

8/19/24  
Date



**Pavement Rehabilitation Project**

**SE Altman Rd - SE Lusted Rd  
SE Hosner Rd**

Erosion Control Standard Details Sheet

SAP Project No  
**W02229**  
1/4 Section  
3883, 3763, 3764,  
3765, 3663, 3664,  
3665, 3564, 3565  
Sheet No

**Multnomah County Land Use Decision T3-2022-16220 Conditions of Approval:**

1. Additions to County Transportation Condition 7

The TCP must include an emergency coordination section that at minimum includes the following:

iv. Satisfy the minimum requirements of the Manual on Uniform Traffic Control Devices for Streets and Highways;

v. Provide construction update reports to emergency responders that include, at a minimum, the following information:

- O. Dates and times of closure/partial closure
- P. Name of contractor and emergency contacts (required on-site contact)
- Q. Purpose of closure
- R. Location of closure and number of lanes
- S. Work hours and times of road closures
- T. Traffic control layout plan
- U. Legend
  - North arrow
  - Street names within a certain distance of the site
  - Physical features such as medians, shoulders, etc.
  - Identified method for passage of emergency vehicles (including temporary conditions/detour plan)
  - Location of significant construction items such as dumpsters and heavy equipment

vi. The construction update reports must be provided at least weekly unless an alternative frequency is requested by an emergency responder.

The TCP must provide for access through construction zones as follows:

vii. Where no detour is available, such as to access Lusted Flats via Dodge Park Boulevard or to access the only access to a farm field, the applicant shall (1) ensure that work zones allowing a single lane of traffic to pass are wide enough to accommodate farm traffic up to 16 feet wide; and (2) flag farm traffic, service providers, and local residents (within the closure) through otherwise closed work zones.

viii. The Water Bureau shall (1) ensure that work zones allowing a single lane of traffic to pass are wide enough to accommodate emergency vehicles; and (2) flag emergency vehicles through otherwise closed work zones. Access for emergency vehicles shall be provided at all times.

ix. The Water Bureau shall require the contractor to take measures to ensure they can accommodate this traffic through a work zone regardless of the stage of construction. For example, if pipeline construction obstructs a road that cannot be detoured around, the contractor will have on-hand the materials needed to plate the excavation or otherwise allow this traffic to proceed through the work zone.

E.1.h. When construction impacts the public right-of-way in front of a business, post "business open" signs typical of roadway construction projects in any area where road construction and/or pipeline installation is occurring and where business would anticipate visitors.

E.1.m [Carpenter West of Cottrell] Provide "local access only" signage restricting access to Carpenter Lane west of Cottrell Road, as well as including the prohibition on use in the safe driver training.

E.1.r Instruct filtration project construction drivers to avoid specific road segments that have direct access to identified schools. The specific school, streets, types of construction traffic, and hours to be avoided are listed in the table below. These constraints apply only on days when school is in session.

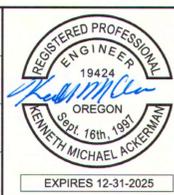
District	School	Street	Extent	Construction Traffic Type	Avoidance Hours*
Oregon Trail	Oregon Trail Academy	SE Proctor Rd	SE Bluff Rd to SE Dodge Park Blvd	All	All
		SE Bluff Rd	Just east of SE 352 <sup>nd</sup> Ave to SE Bear Creek Ln	Trucks and craft labor commuters	7:15 to 8:15 am 2:15 to 3:15 pm
	Kelso Elementary	SE Kelso Rd	SE Orient Dr to SE Eklund Ave	All	All
Gresham-Barlow	Sam Barlow High	SE Lusted Rd	SE 282 <sup>nd</sup> Ave to SE 302 <sup>nd</sup> Ave	Trucks	All
		SE 302 <sup>nd</sup> Ave	SE Lusted Rd to SE Chase Rd	Craft labor commuters	7:05 to 9:05 am 2:00 to 3:00 pm
	East Orient Elementary	SE 302 <sup>nd</sup> Ave	SE Dodge Park Blvd to SE Bluff Rd	Trucks	All
	West Orient Middle	SE Short Rd	SE Dodge Park Blvd to SE Orient Dr	Craft labor commuters	7:05 to 9:05 am 2:00 to 3:00 pm
		SE Orient Dr/SE Bluff Rd	SE Short Rd to SE 302 <sup>nd</sup> Ave	All	All
	Kelly Creek Elementary	SE Baker Way/SE 24 <sup>th</sup> St	SE Williams Dr to SE Chase Rd	Trucks	All
				Craft labor commuters	8:35 to 10:35 am 3:05 to 4:05 pm

E.2 (pg. 84)The Water Bureau may not include Carpenter Lane west of Cottrell as a detour option in traffic control plans for signage during construction.

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Checked By <b>JDB</b>	Const Supr <b>JDT</b>
Project Mgr <b>KMA</b>	Date



*Kenneth M. Ackerman*  
Kenneth M. Ackerman, Principal Engineer, PE No 19424  
Date: 8/14/24



Pavement Rehabilitation Project  
Land Use Conditions of Approval  
Multnomah County  
Casefile T3-2022-16220  
Traffic Control Plan Sheet

SAP Project No  
**W02229**  
1/4 Section  
3863, 3763, 3764,  
3765, 3663, 3664,  
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Sheet No  
**4 of 24**



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**gwe**

Checked By  
**JDB**

Project Mgr  
**KMA**

Program Mgr  
**DMC**

Const Mgr  
**BJN**

Const Supr  
**JDT**

Date



*Kenneth M. Ackerman*  
Kenneth M. Ackerman, Principal Engineer, PE No 19424

*8/18/24*  
Date



Pavement Rehabilitation Project  
**SE Altman Rd  
North of SE Dodge Park Blvd**

Traffic Control Plan Sheet



SAP Project No  
**W02229**

1/4 Section  
3763 & 3663

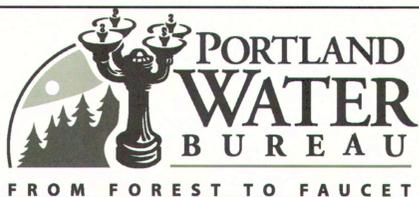
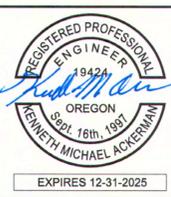
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Project Mgr <b>KMA</b>	Date



*Kenneth M. Ackerman*  
 Kenneth M. Ackerman, Principal Engineer, PE No 19424  
*8/19/24*  
 Date



Pavement Rehabilitation Project  
**SE Lusted Rd**  
**West of SE Cottrell Rd**  
 Traffic Control Plan Sheet

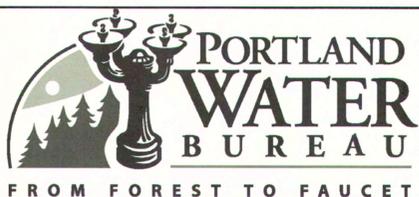
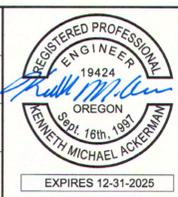
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 Sheet No  
**7 of 24**

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Project Mgr <b>KMA</b>	Date



*Kenneth M. Ackerman*  
 Kenneth M. Ackerman, Principal Engineer, PE No 19424  
 8/19/24  
 Date



Pavement Rehabilitation Project  
 SE Hosner Rd  
 North from SE Lusted Rd  
 Traffic Control Plan Sheet

SAP Project No  
**W02229**  
 1/4 Section  
 3764, 3765, 3664,  
 3665, 3564, 3585  
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**8 of 24**





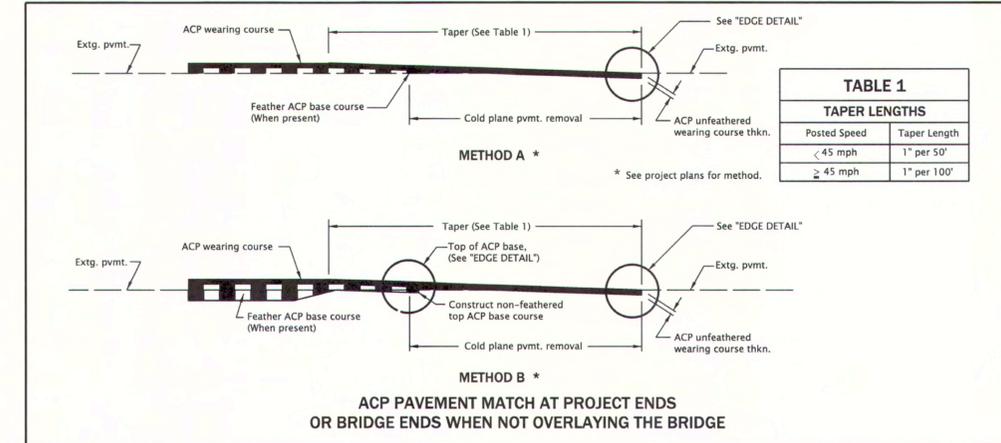
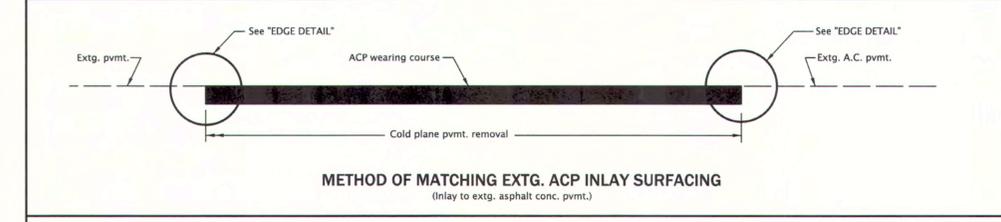
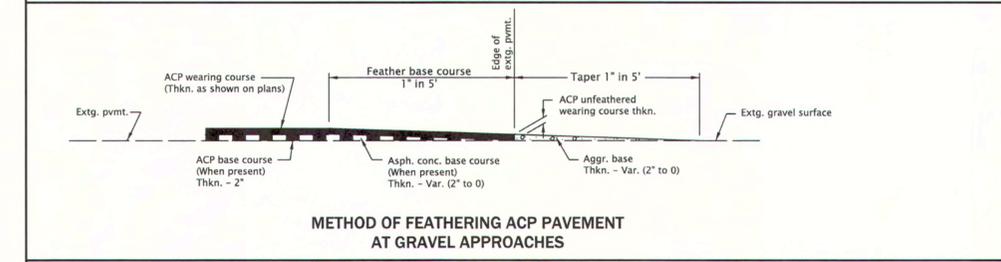
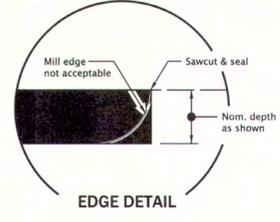
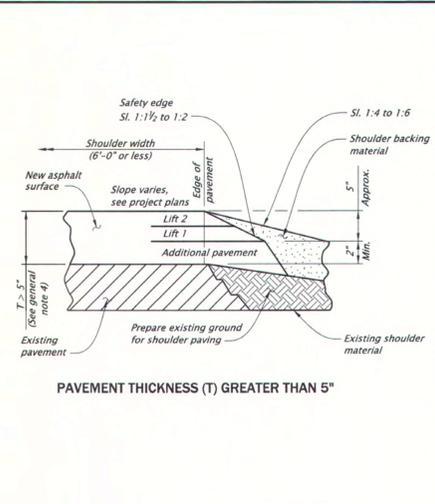
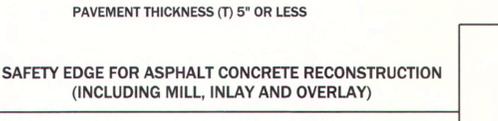
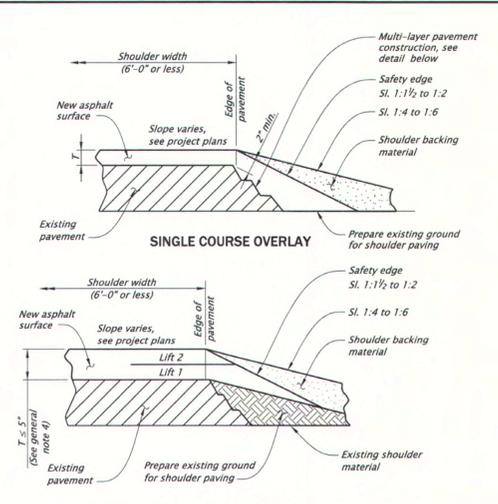
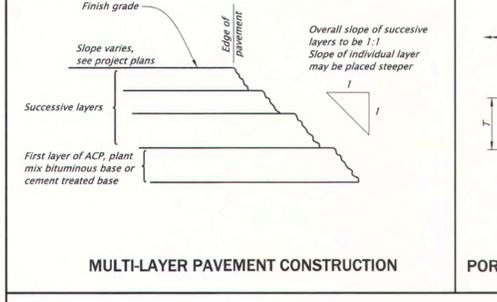
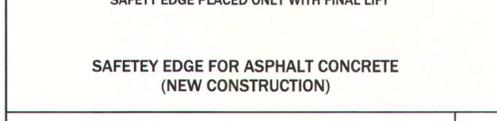
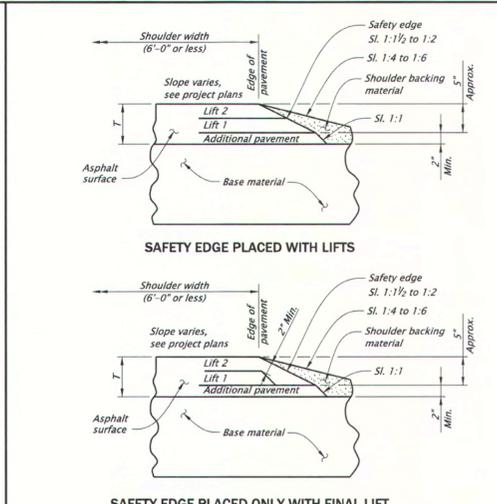


TABLE 1 TAPER LENGTHS	
Posted Speed	Taper Length
< 45 mph	1" per 50'
≥ 45 mph	1" per 100'

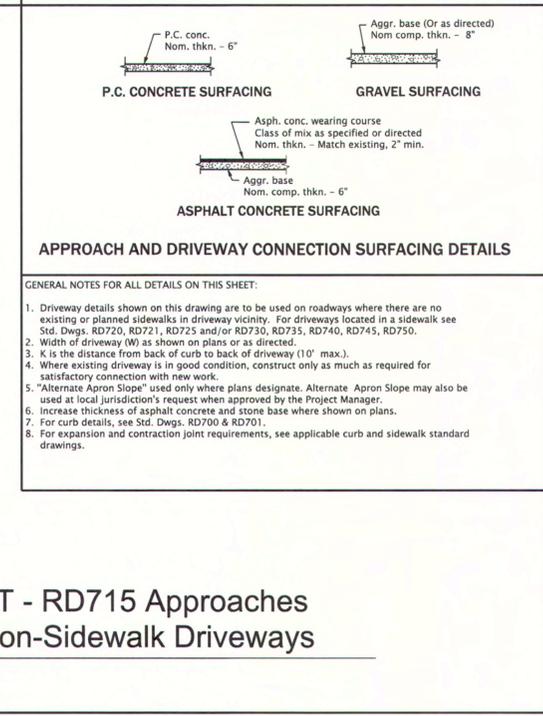
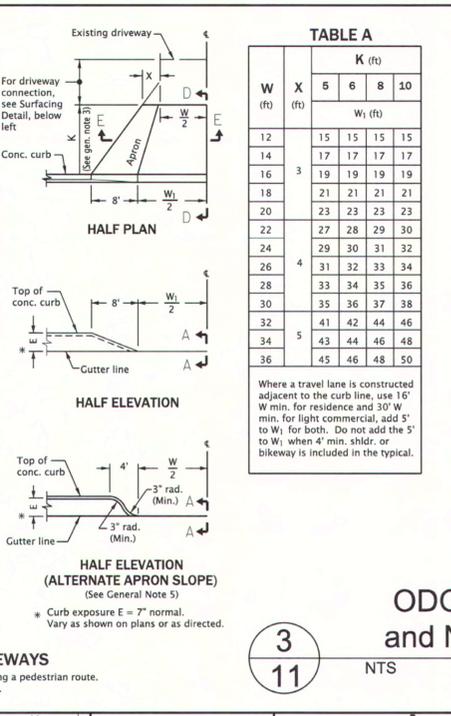
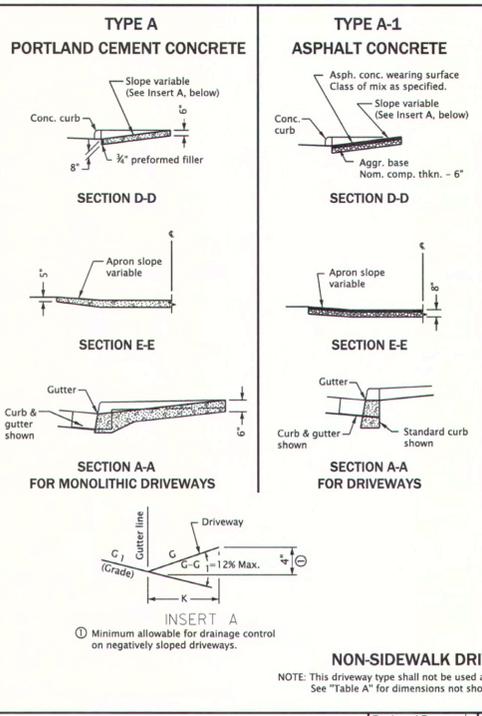
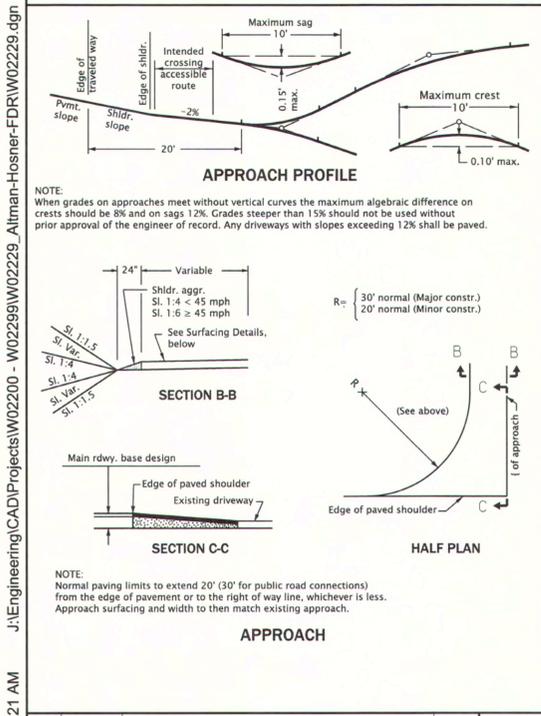


**1** ODOT - RD610 Asphalt Concrete Pavement (ACP) Details  
NTS



- GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**
- Safety edges are required at the outside edges of the paved roadway (edge of travel lane or edge of paved shoulders), where the wearing surface thickness is 2" or greater, except where indicated in the plans.
  - Construct the safety edge at a slope of 1:1 1/2 to 1:2 measured from the pavement surface.
  - Do not construct safety edge at intersections, paved drives, or other obstructions.
  - For total new asphalt depth of "T" > 5", construct the safety edge to the full thickness of the surface and intermediate courses. For total new asphalt depth of "T" > 5", construct the safety edge to a depth of 5" approximately with a 1:1 sloped face below the safety edge.

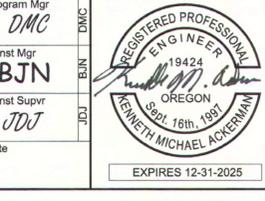
**2** ODOT - RD615 Surface Edge Details  
NTS



**3** ODOT - RD715 Approaches and Non-Sidewalk Driveways  
NTS

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Checked By <b>JDB</b>	Const Supvr <b>JDJ</b>
Project Mgr <b>KMA</b>	Date



**Pavement Rehabilitation Project**  
**SE Altman Rd - SE Lusted Rd**  
**SE Hosner Rd**

ODOT Standard Drawings Sheet  
RD610, RD615 & RD715

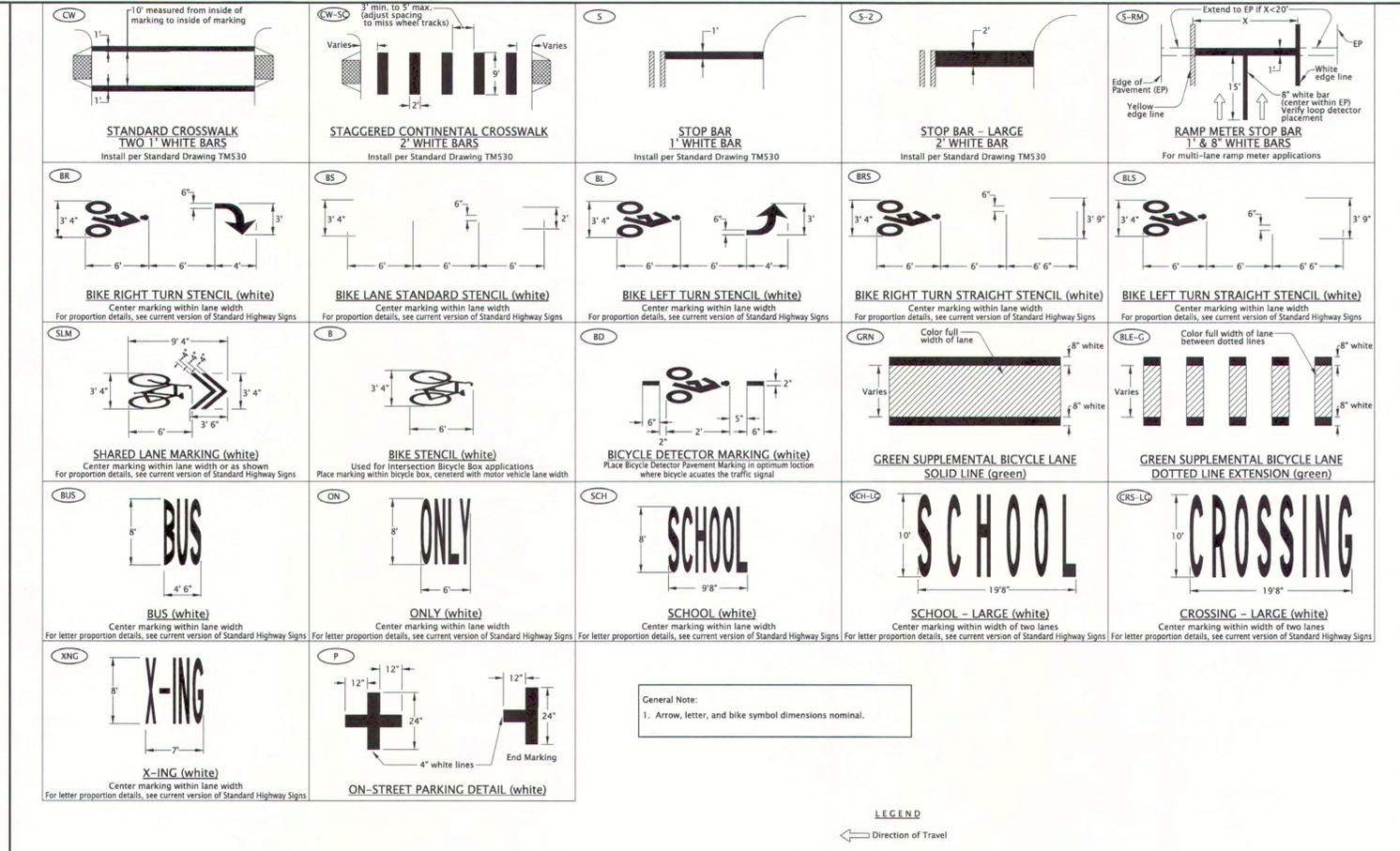
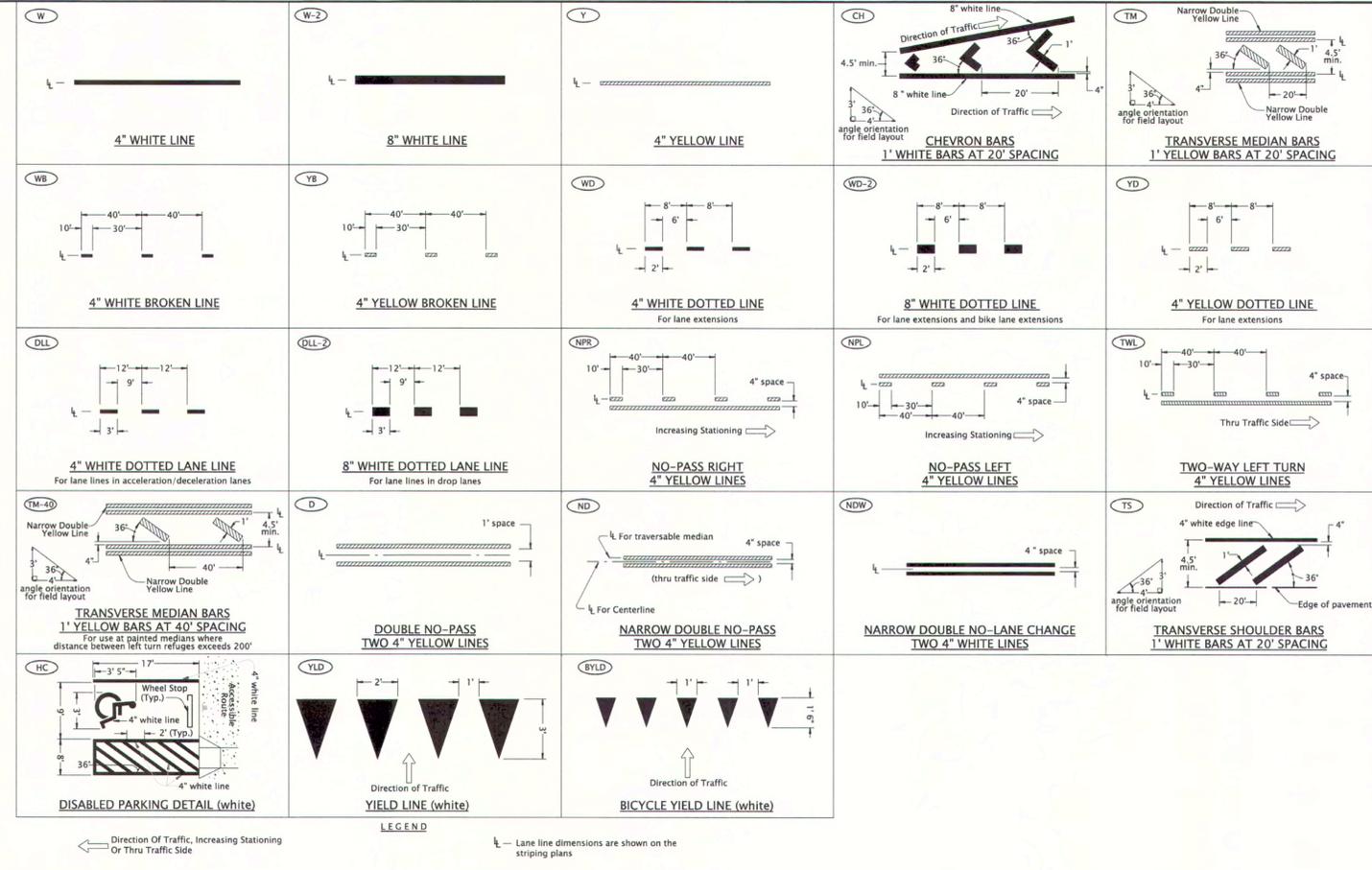
SAP Project No  
**W02229**

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3863, 3763, 3764,  
3765, 3663, 3664,  
3665, 3564, 3565

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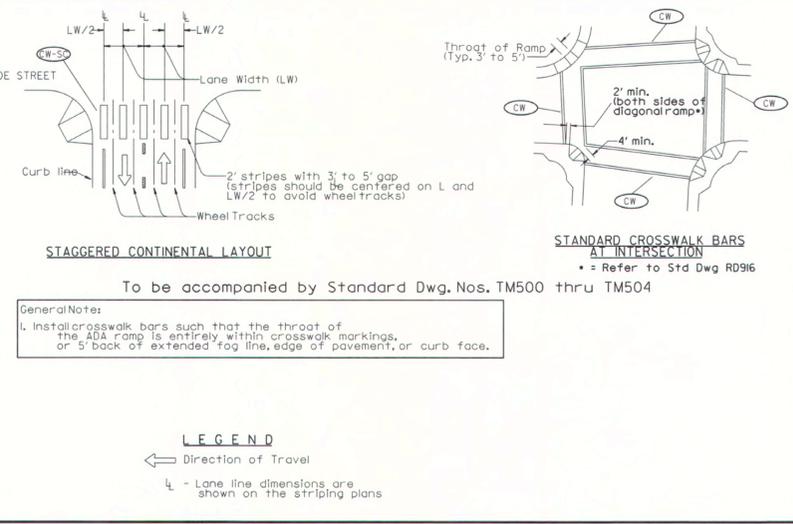
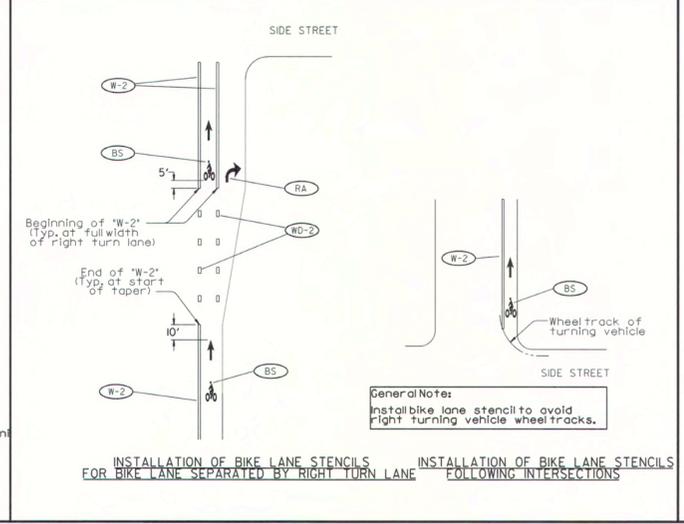
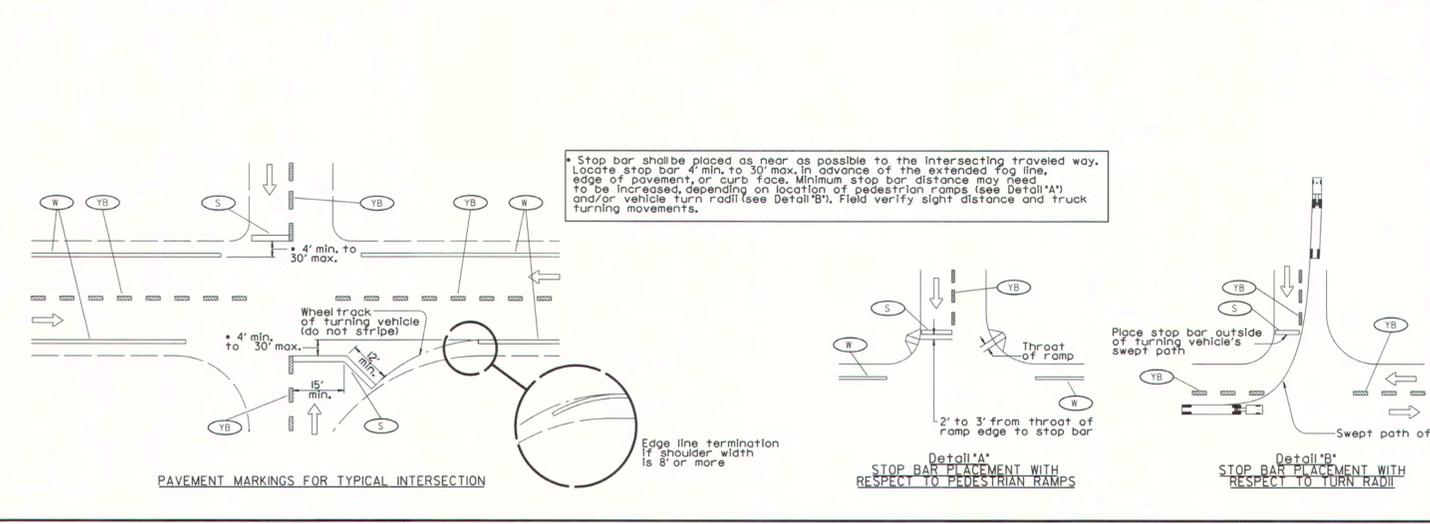
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**1** ODOT - TM500 Pavement Marking Standard Detail Blocks  
NTS

**2** ODOT - TM503 Pavement Marking Standard Detail Blocks  
NTS



**3** ODOT - TM530 Intersection Pavement Markings (Crosswalk, Stop Bar and Bike Lane Stencil)  
NTS

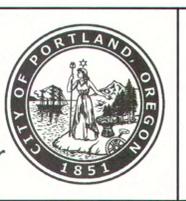
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Project Mgr	KMA	Date	

REGISTERED PROFESSIONAL ENGINEER  
19424  
KENNETH MICHAEL ACKERMAN  
EXPIRES 12-31-2025



Kenneth M. Ackerman, Principal Engineer, PE No 19424  
Date



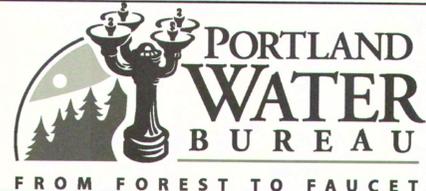
Pavement Rehabilitation Project  
SE Altman Rd - SE Lusted Rd  
SE Hosner Rd  
ODOT Standard Details Sheet  
TM500, TM503 & TM530

SAP Project No  
W02229  
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3665, 3564, 3565  
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12 of 24

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Project Mgr <b>KMA</b>	Date



*Kenneth M. Ackerman*  
Kenneth M. Ackerman, Principal Engineer, PE No 19424

*6/27/24*  
Date



Pavement Rehabilitation Project  
SE Altman Rd - SE Lusted Rd  
SE Hosner Rd

Blank Sheet

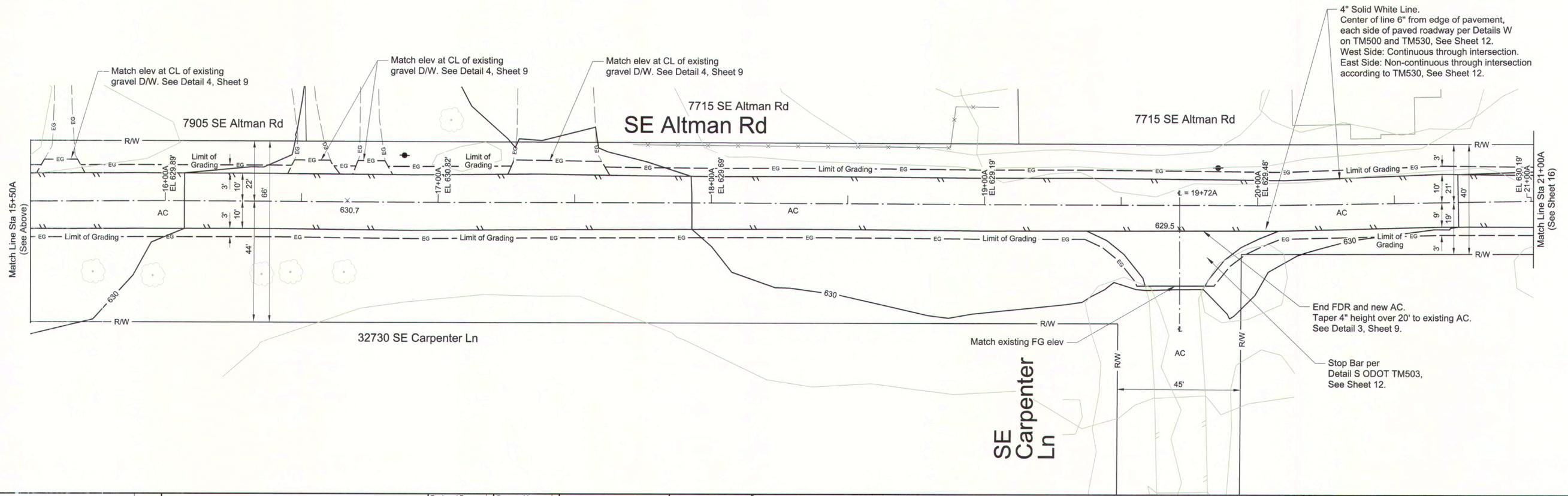
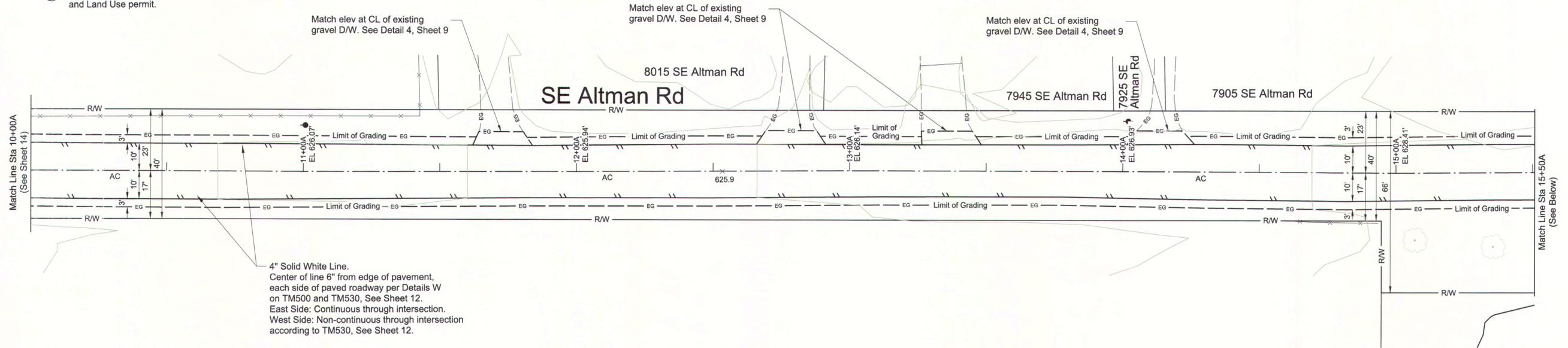
SAP Project No  
**W02229**

1/4 Section  
3663, 3763, 3764,  
3765, 3863, 3864,  
3865, 3564, 3565  
Sheet No



**Notes:**

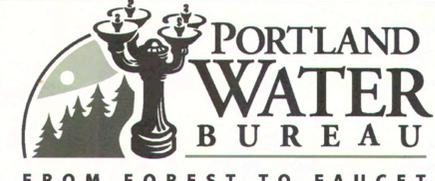
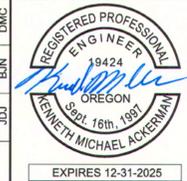
- ① All existing signs, mailboxes, etc will not be removed and will be protected in place.
- ② Follow erosion control notes on Sheet 3 and Land Use permit.



8/18/2024 11:48:09 AM J:\Engineering\CAD\Projects\W02229 - W02299\W02229\_Altman-Hosner-FDR\W02229.dgn

No	Date	Description	Appd
Revision			
Survey	Unknown	U-known	

Designed By <b>BJK</b>	Program Mgr <b>DMC</b>
CAD Checked By <b>GWE</b>	Const Mgr <b>BJN</b>
Checked By <b>JDB</b>	Const Supvr <b>JDT</b>
Project Mgr <b>KMA</b>	Date



*Kenneth M. Ackerman*  
Kenneth M. Ackerman, Principal Engineer, PE No 19424

*Elden*  
Date



**Pavement Rehabilitation Project**

**SE Altman Rd**

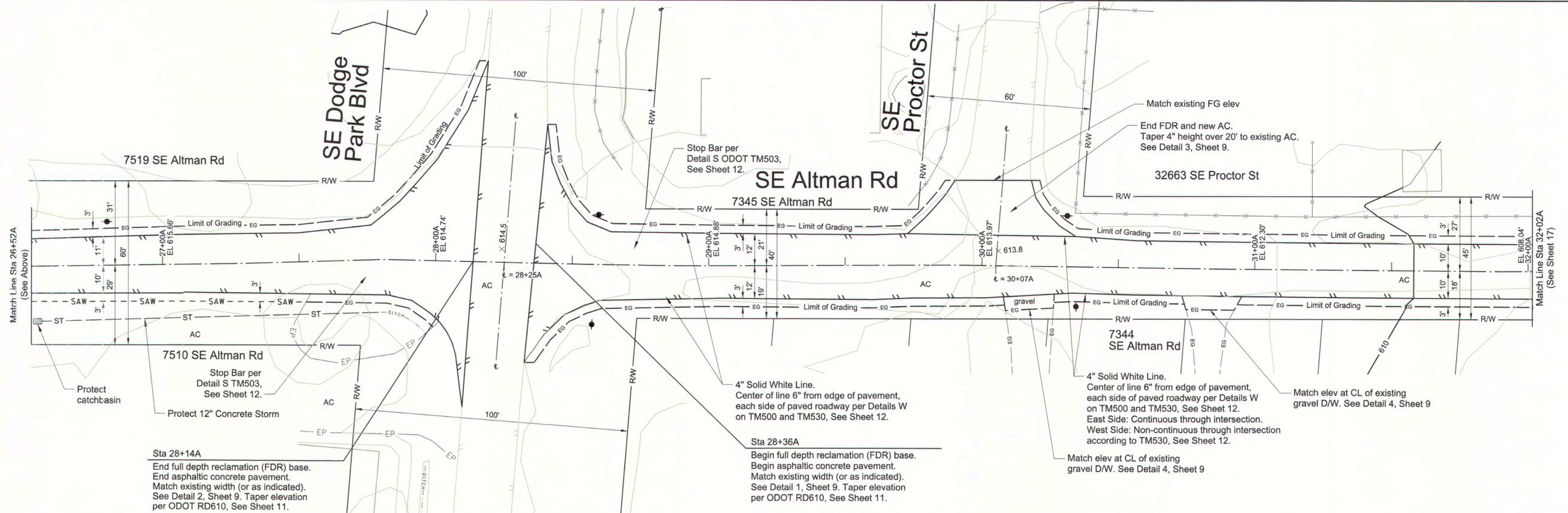
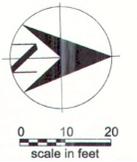
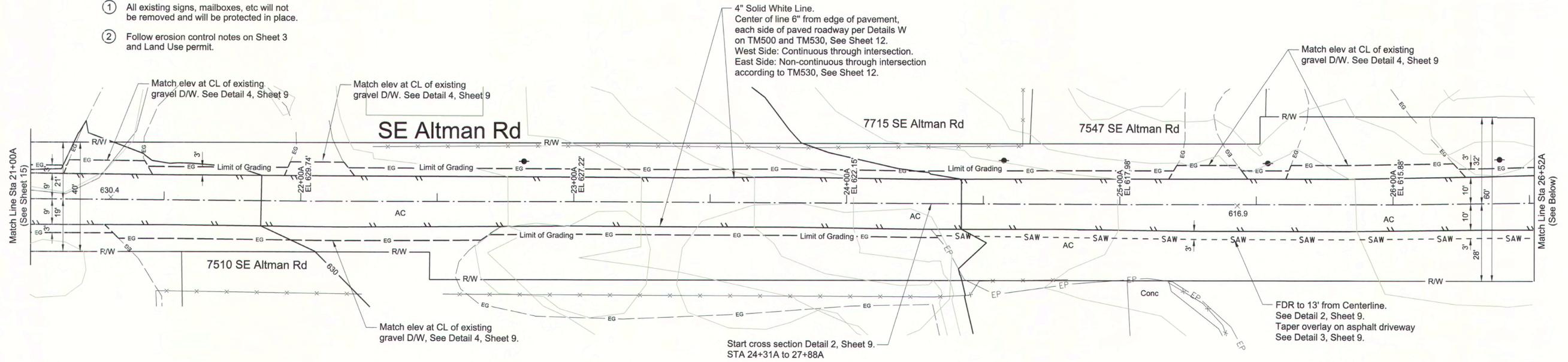
From County Line  
To SE Lusted Rd

Plan Sheet  
Sta 10+00A to Sta 21+00A

SAP Project No <b>W02229</b>
1/4 Section <b>3863</b>
Sheet No <b>15 of 24</b>

**Notes:**

- ① All existing signs, mailboxes, etc will not be removed and will be protected in place.
- ② Follow erosion control notes on Sheet 3 and Land Use permit.



8/18/2024 11:48:16 AM J:\Engineering\CAD\Projects\W02229 - W02229\W02229\_Altman-Hosmer-FDR\W02229.dgn

No	Date	Description	Appd
Revision			
Survey	Unknown	Unknown	

Designed By	BJK	Program Mgr	DMC
CAD Checked By	GWE	Const Mgr	BJN
Checked By	JDB	Const Supvr	JDT
Project Mgr	KMA	Date	

**PORTLAND WATER BUREAU**
  
 FROM FOREST TO FAUCET

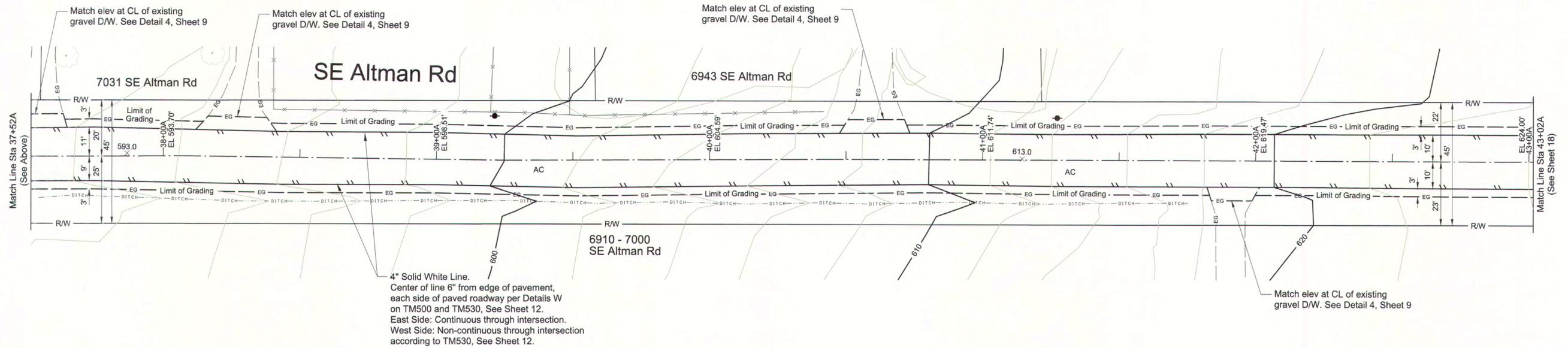
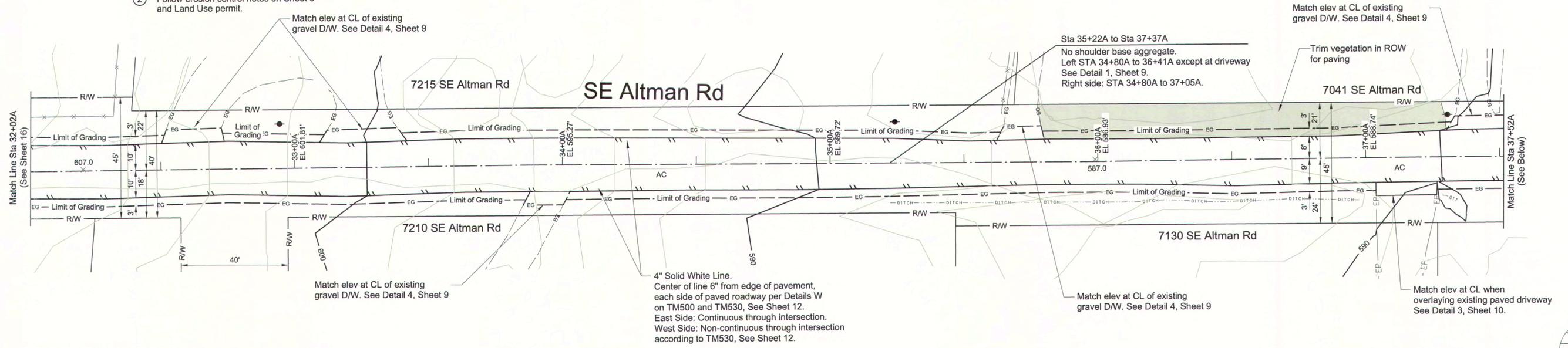
**Pavement Rehabilitation Project**
  
**SE Altman Rd**
  
 From County Line To SE Lusted Rd

**SAP Project No**  
**W02229**
  
 1/4 Section  
 3863, 3763

Sheet No  
**16 of 24**

**Notes:**

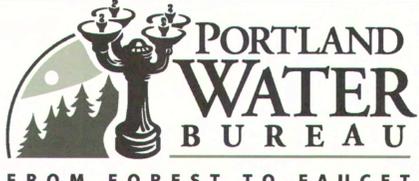
- ① All existing signs, mailboxes, etc will not be removed and will be protected in place.
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8/18/2024 11:48:24 AM J:\Engineering\CAD\Projects\W02229 - W02299\W02229 - Altman-Hosmer-FDR\W02229.dgn

No	Date	Description	Appd
Revision			
Survey	Unknown	Unknown	

Designed By <b>BJK</b>	Program Mgr <b>DMC</b>
CAD Checked By <b>GWE</b>	Const Mgr <b>BJN</b>
Checked By <b>JDB</b>	Const Supvr <b>JDT</b>
Project Mgr <b>KMA</b>	Date



*Kenneth M. Ackerman*  
Kenneth M. Ackerman, Principal Engineer, PE No 19424  
8/16/24 Date



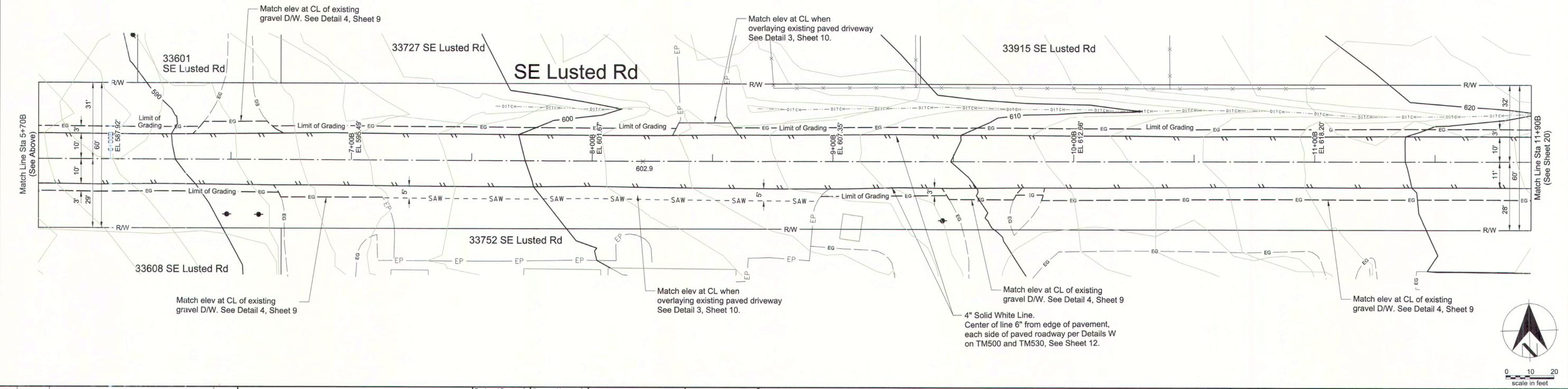
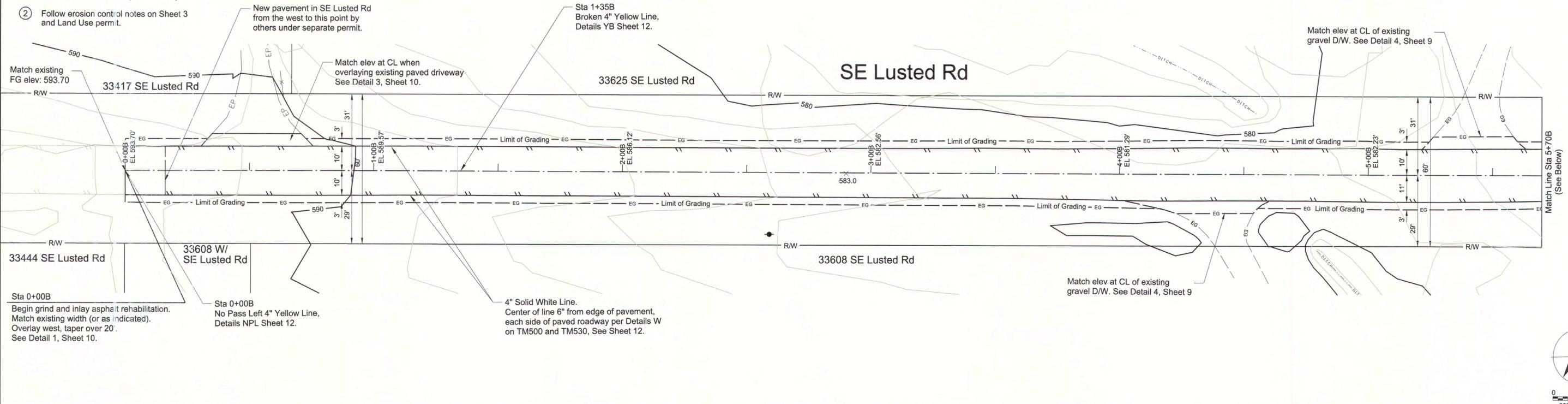
**Pavement Rehabilitation Project**  
**SE Altman Rd**  
From County Line  
To SE Lusted Rd  
Plan Sheet  
Sta 32+02A to Sta 43+02A

SAP Project No  
**W02229**  
1/4 Section  
3763  
Sheet No  
**17 of 24**



**Notes:**

- ① All existing signs, mailboxes, etc will not be removed and will be protected in place.
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8/18/2024 11:48:38 AM J:\Engineering\CAD\Projects\W02229 - W02299\W02229\_Altman-Hosner-FDR\W02229.dgn

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Revision			
Survey	Unknown	Unknown	

Designed By  
**BJK**

CAD Checked By  
**GWE**

Checked By  
**JDB**

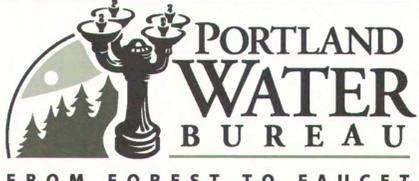
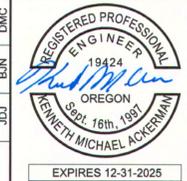
Project Mgr  
**KMA**

Program Mgr  
**DMC**

Const Mgr  
**BJN**

Const Supvr  
**JDT**

Date



*Kenneth M. Ackerman*  
Kenneth M. Ackerman, Principal Engineer, PE No 19424



**Pavement Rehabilitation Project**

**SE Lusted Rd**

From 33444 SE Lusted Rd  
To SE Cottrell Rd

Plan Sheet  
Sta 0+00B to Sta 11+90B

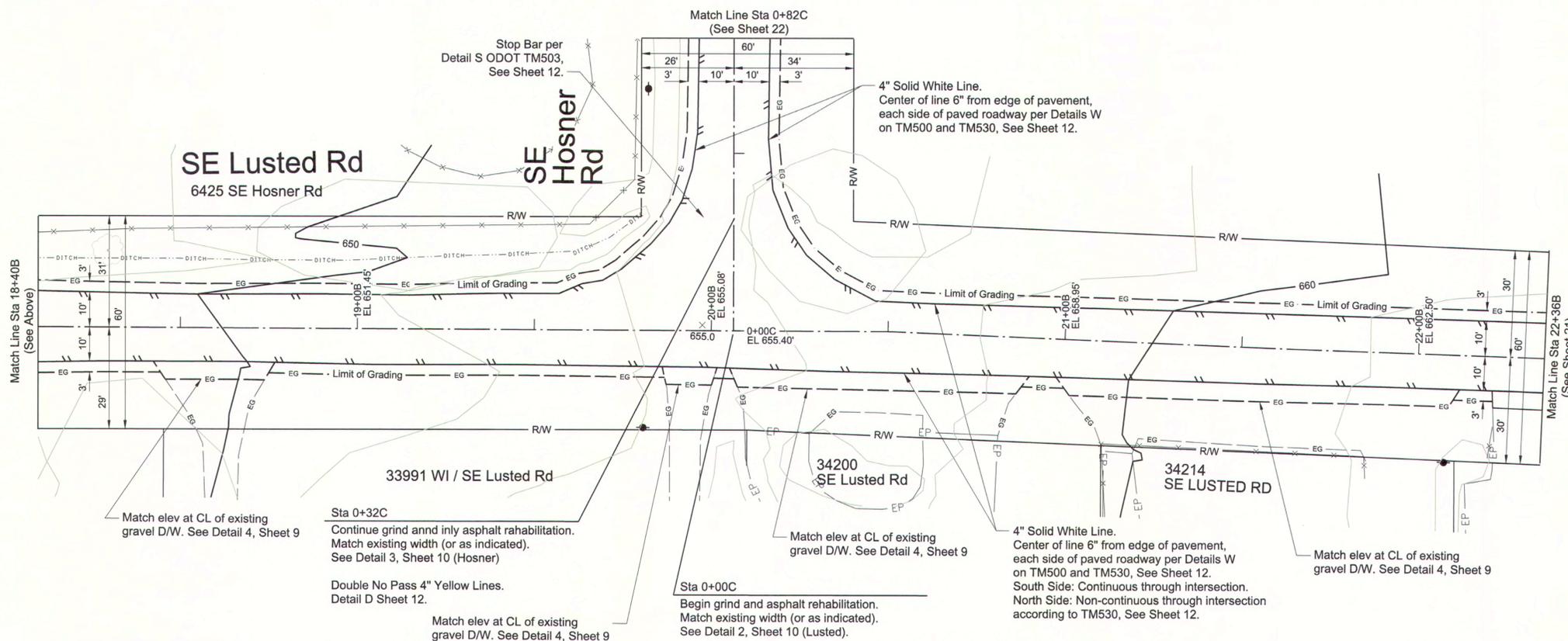
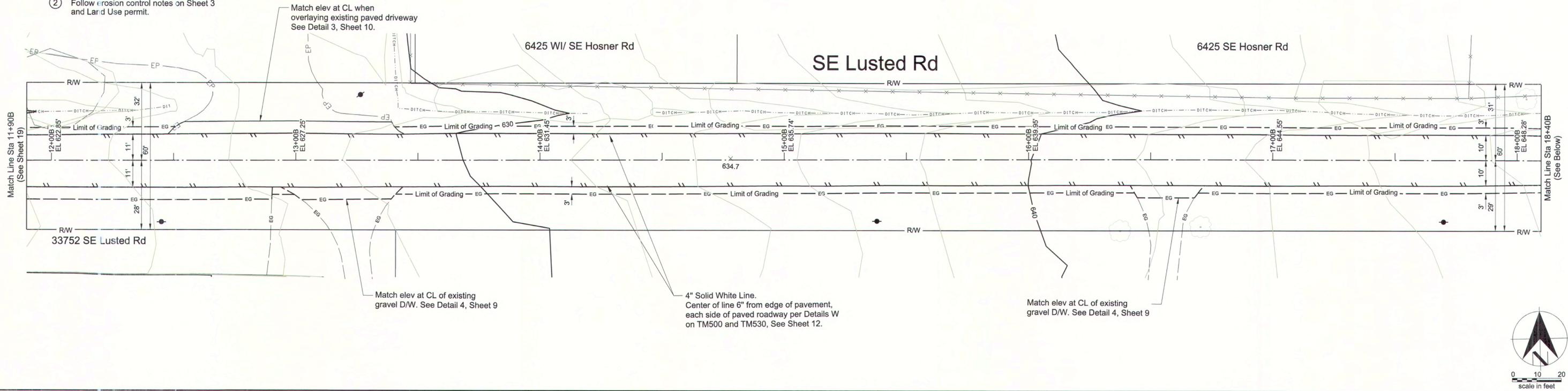
SAP Project No  
**W02229**

1/4 Section  
3764, 3664

Sheet No  
**19 of 24**

**Notes:**

- ① All existing signs, mailboxes, etc will not be removed and will be protected in place.
- ② Follow erosion control notes on Sheet 3 and Land Use permit.



8/18/2024 11:48:46 AM J:\Engineering\CAD\Projects\W02229 - W02299\W02229\_Altman-Hosner-FDR\W02229.dgn

No	Date	Description	Appd
Revision			
Survey	Unknown	Unknown	

Designed By <b>BJK</b>	Program Mgr <b>DMC</b>
CAD Checked By <b>GWE</b>	Const Mgr <b>BJN</b>
Checked By <b>JDB</b>	Const Supvr <b>JDT</b>
Project Mgr <b>KMA</b>	Date



*Kenneth M. Ackerman*  
Kenneth M. Ackerman, Principal Engineer, PE No 19424

*8/18/24*  
Date

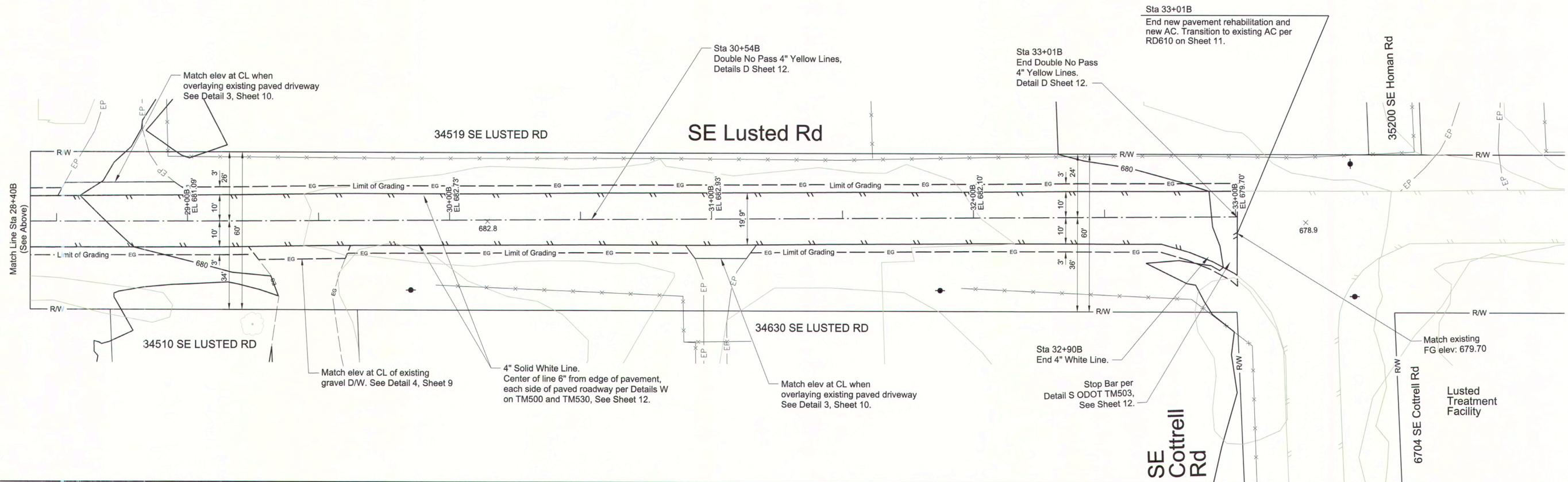
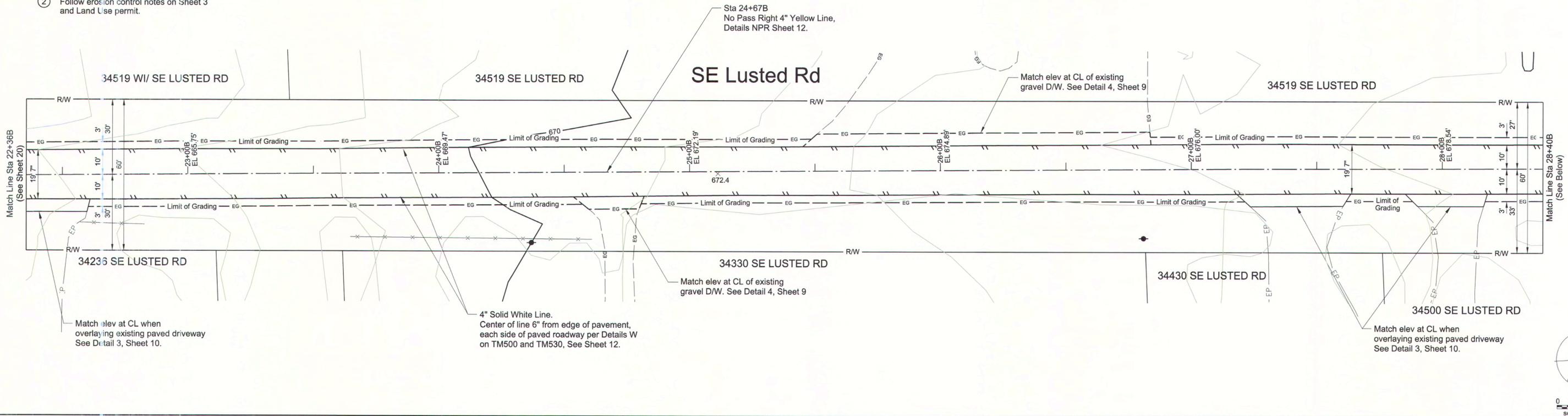


**Pavement Rehabilitation Project**  
**SE Lusted Rd**  
From 33444 SE Lusted Rd  
To SE Cottrell Rd  
Plan Sheet  
Sta 11+90B to Sta 22+36B / Sta 0+00C to 0+82C

SAP Project No <b>W02229</b>
1/4 Section 3764, 3664
Sheet No <b>20 of 24</b>

**Notes:**

- ① All existing signs, mailboxes, etc will not be removed and will be protected in place.
- ② Follow erosion control notes on Sheet 3 and Land Use permit.



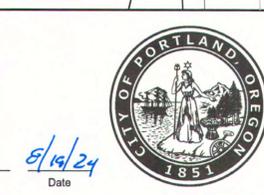
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No	Date	Description	Appd

Designed By <b>BJK</b>	Program Mgr <b>DMC</b>
CAD Checked By <b>GWE</b>	Const Mgr <b>BJN</b>
Checked By <b>JDB</b>	Const Supvr <b>JDT</b>
Project Mgr <b>KMA</b>	Date



*Kenneth M. Ackerman*  
Kenneth M. Ackerman, Principal Engineer, PE No 19424

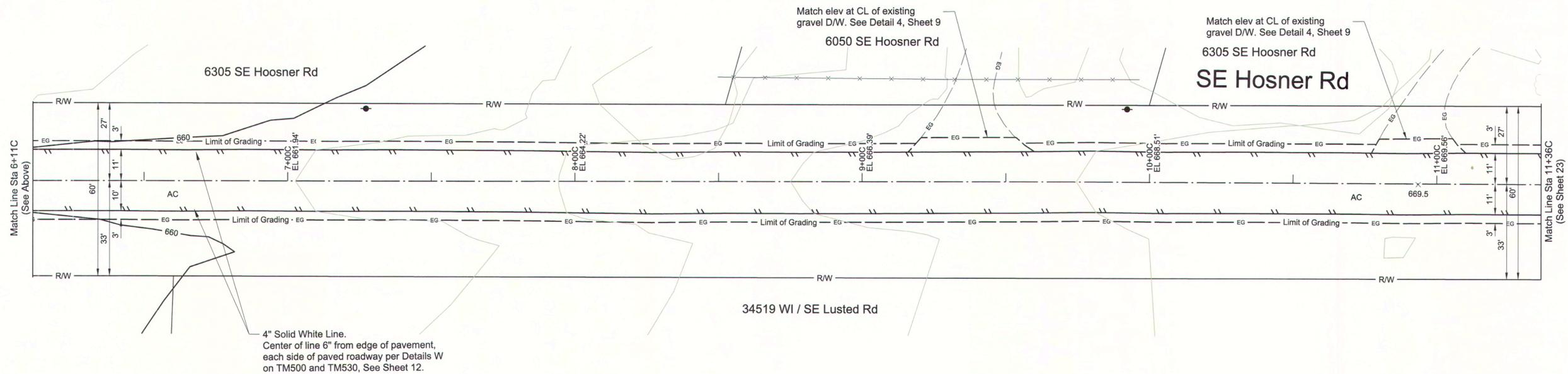
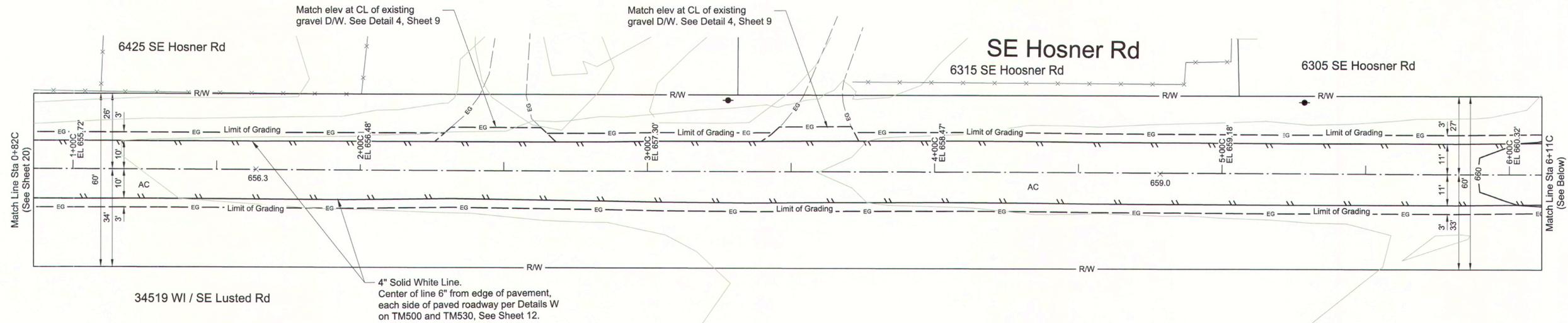


**Pavement Rehabilitation Project**  
**SE Lusted Rd**  
From 33444 SE Lusted Rd  
To SE Cottrell Rd  
Plan Sheet  
Sta 22+36B to Sta 33+01B

SAP Project No <b>W02229</b>
1/4 Section 3665, 3765
Sheet No <b>21 of 24</b>

**Notes:**

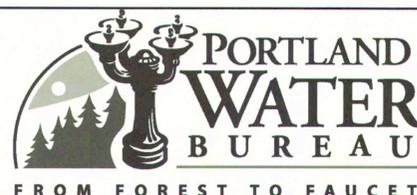
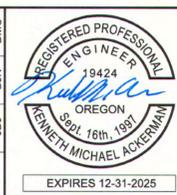
- ① All existing signs, mailboxes, etc will not be removed and will be protected in place.
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8/18/2024 11:49:01 AM J:\Engineering\CAD\Projects\W022200 - W02299\W02229 - Altman-Hosner-FDR\W02229.dgn

No	Date	Description	Appd
Revision			
Survey	Unknown	U-known	

Designed By <b>BJK</b>	Program Mgr <b>DMC</b>
CAD Checked By <b>GWE</b>	Const Mgr <b>BJN</b>
Checked By <b>JDB</b>	Const Supvr <b>JDT</b>
Project Mgr <b>KMA</b>	Date



*Kenneth M. Ackerman*  
Kenneth M. Ackerman, Principal Engineer, PE No 19424

8/19/24  
Date



**Pavement Rehabilitation Project**

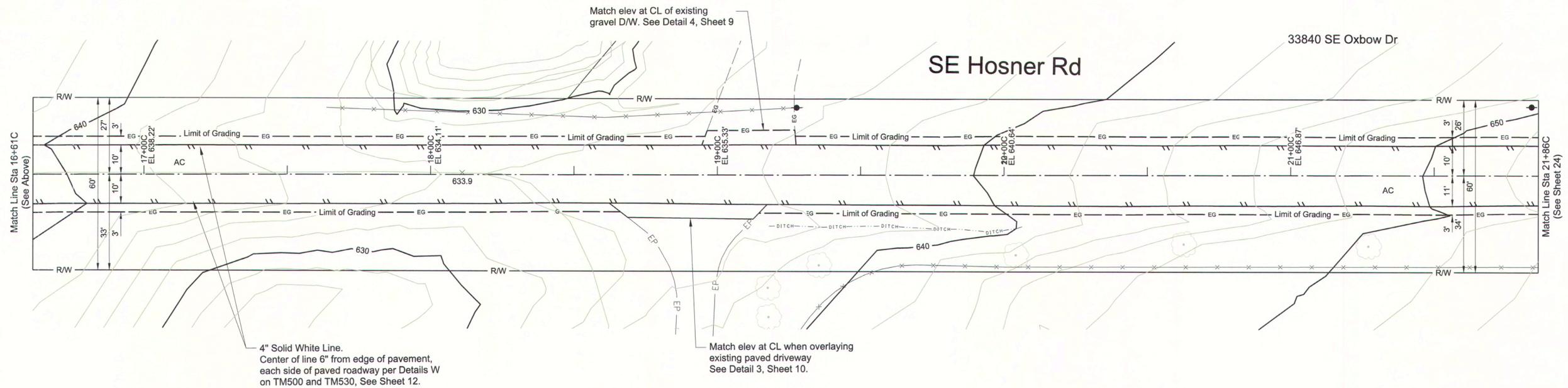
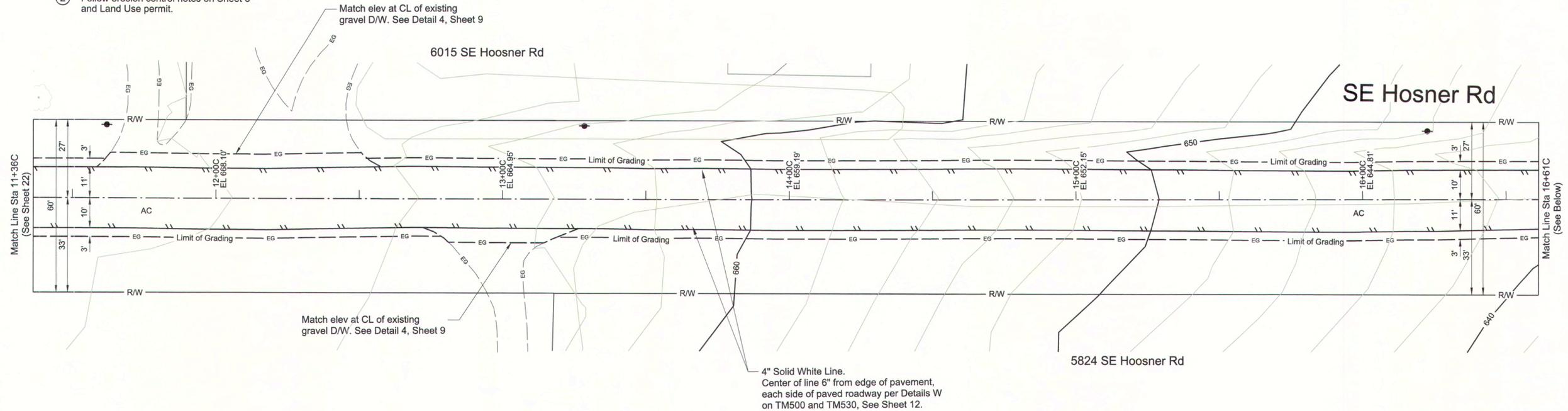
**SE Hosner Rd**

From SE Lusted Rd  
To SE Oxbow Dr  
Plan Sheet  
Sta 0+82C to Sta 11+36C

SAP Project No <b>W02229</b>
1/4 Section <b>3664, 3665</b>
Sheet No <b>22 of 24</b>

**Notes:**

- ① All existing signs, mailboxes, etc will not be removed and will be protected in place.
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8/18/2024 11:49:08 AM J:\Engineering\CAD\Projects\W02229 - W02229\W02229\_Altman-Hosner-FDR\W02229.dgn

No	Date	Description	Appd
Revision			
Survey	Unknown	Unknown	

Designed By <b>BJK</b>	Program Mgr <b>DMC</b>
CAD Checked By <b>GWE</b>	Const Mgr <b>BJN</b>
Checked By <b>JDB</b>	Const Supvr <b>JDT</b>
Project Mgr <b>KMA</b>	Date



*Kenneth M. Ackerman*  
Kenneth M. Ackerman, Principal Engineer, PE No 19424

*8/18/24*  
Date



**Pavement Rehabilitation Project**  
**SE Hosner Rd**  
From SE Lusted Rd  
To SE Oxbow Dr  
Plan Sheet  
Sta 11+36C to Sta 21+86C

SAP Project No <b>W02229</b>
1/4 Section 3664, 3665
Sheet No <b>23 of 24</b>

