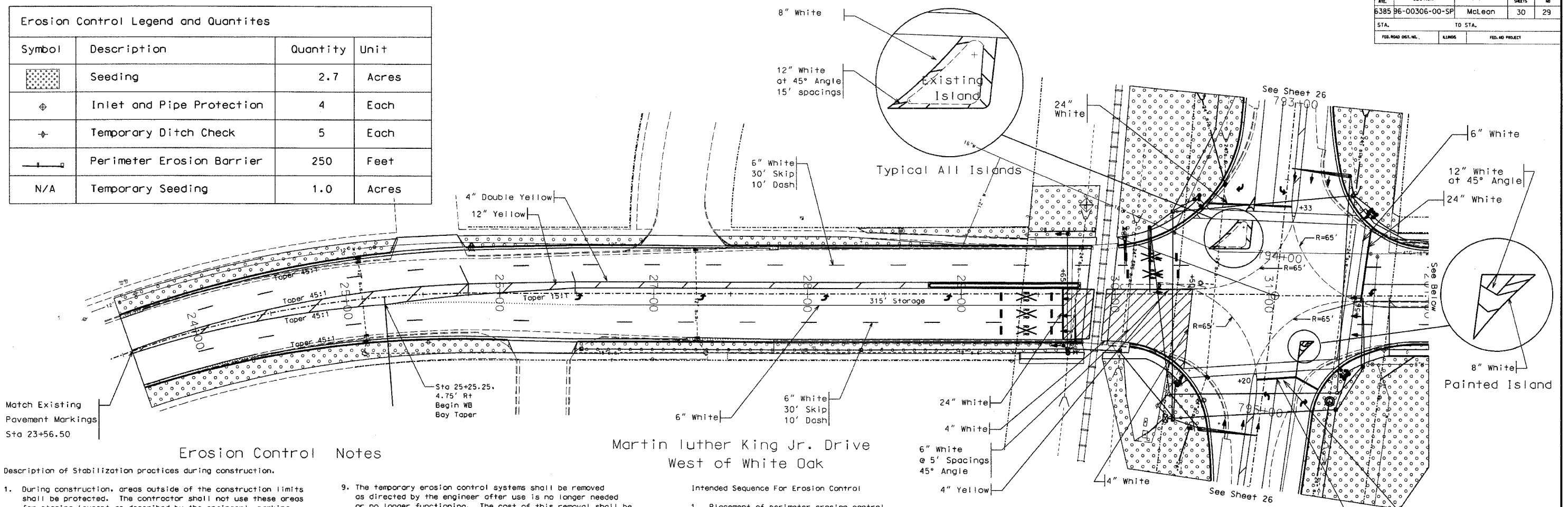


PLAN SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5385	96-00306-00-SP	McLean	30	29
STA. TO STA.		FED. RD DIST. NO. ALONG FED. RD PROJECT		

Erosion Control Legend and Quantities			
Symbol	Description	Quantity	Unit
	Seeding	2.7	Acres
	Inlet and Pipe Protection	4	Each
	Temporary Ditch Check	5	Each
	Perimeter Erosion Barrier	250	Feet
N/A	Temporary Seeding	1.0	Acres



Erosion Control Notes

Description of Stabilization practices during construction.

- During construction, areas outside of the construction limits shall be protected. The contractor shall not use these areas for staging (except as described by the engineer), parking of vehicles or storage of construction equipment, materials, or other construction related activities.
- Within the construction limits, areas that may be susceptible to erosion as determined by the engineer shall remain undisturbed until full-scale construction is underway to prevent unnecessary soil erosion.
- Earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
- As construction proceeds, the contractor shall institute the following as directed by the engineer:
 - Place temporary erosion control facilities at locations shown on the plans.
 - Temporarily seed erodible bare earth on a weekly basis to minimize the amount of erodible surface area within the project limits.
 - Construct roadside ditches and provide temporary erosion control systems.
 - Temporarily divert water around proposed culvert locations.
 - Build necessary embankment at culvert locations and then excavate and place the culverts.
 - Continue building up the embankment to the proposed grade while at the same time placing permanent erosion control such as riprap ditch lining and final shaping of the slopes.
- Excavated areas and embankment shall be permanently seeded immediately after final grading. If not, they shall be temporarily seeded if no construction activity in the area is planned for 7 days.
- Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or other pollutant in accordance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.
- The resident engineer shall inspect the project daily during construction activities. Inspection shall also be done weekly and after rain of 1/2 inch or greater or equivalent snowfall and during the winter shutdown period the project shall additionally be inspected by the construction field engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if any other erosion control work is necessary.
- Sediment collected during construction of the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance shall be included in the unit bid price for the specific erosion control device.

- The temporary erosion control systems shall be removed as directed by the engineer after use is no longer needed or no longer functioning. The cost of this removal shall be included in the unit bid price for various temporary erosion control pay items.

Description of Structural Practices after final grading

- Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established.
- Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf re-seeded.
- Contractor is required to obtain at least 70% growth on seeding areas prior to acceptance by the owner.

Maintenance after Construction

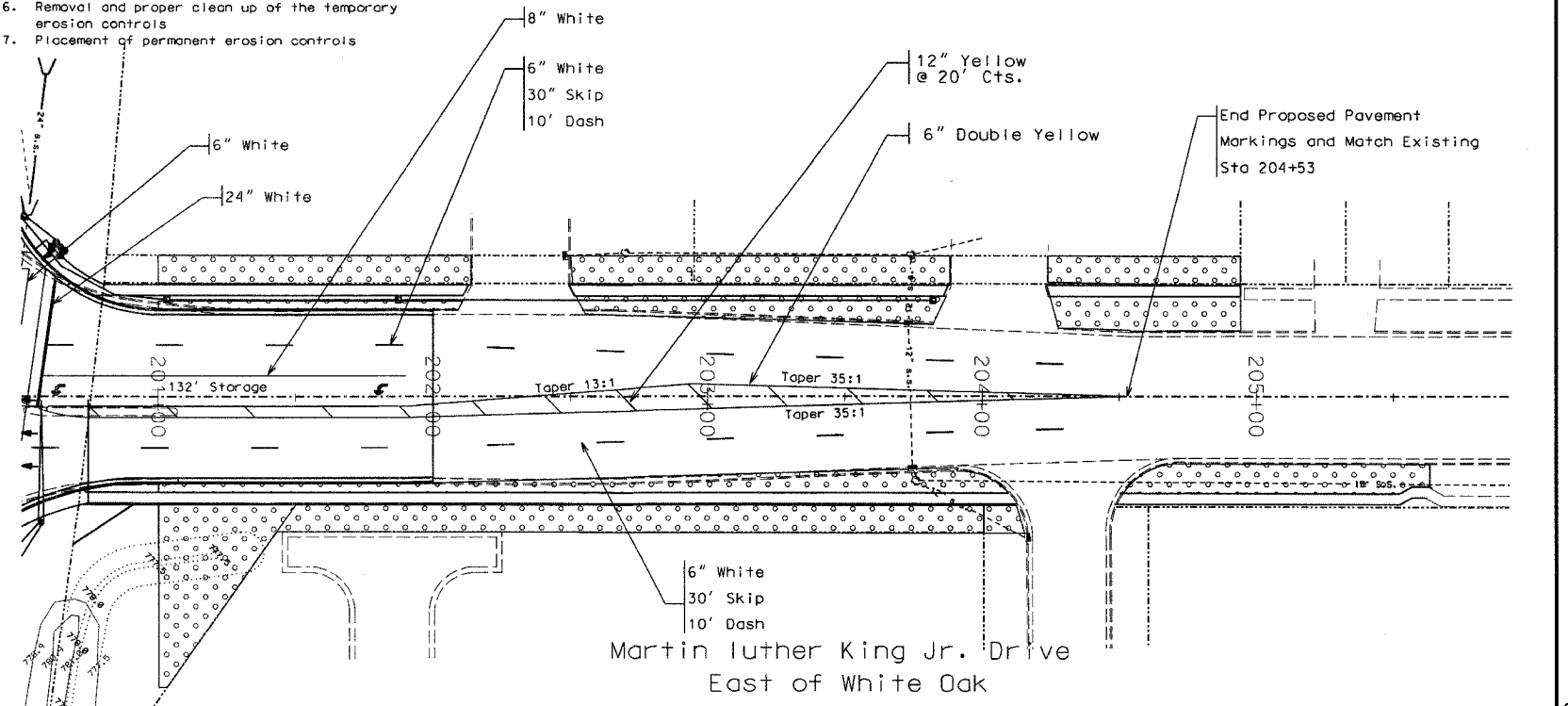
- Construction is complete after final acceptance by the owner and completion of all items on the punch list.
- Maintenance up to this date will be the responsibility of the contractor.

Miscellaneous:

- Temporary Ditch Checks shall be placed at every 1.5 foot rise or fall in the ditch line.
- Temporary erosion control seeding shall be applied at a rate of 100 lbs. per acre.
- Straw bales, hay bales, perimeter erosion barrier and silt fences will not be permitted for temporary or permanent ditch checks. Ditch checks shall be composed of aggregate, silt panels, rolled excelsior urethane foam/geotextile (silt wedges) and/or any other material approved by the engineer.
- All erosion control products furnished shall be specifically recommended by the manufacturer for the use specified in the erosion control plan. Prior to the approval and use of the product, the contractor shall submit to the engineer a notarized certification by the producer stating the intended use of the product and that the physical properties required for this application are met or exceeded. The contractor shall provide manufacture installation procedures to facilitate the engineer in construction inspection.
- All items shall be constructed as shown in standard 280001 and as directed by the engineer. Maintenance and cleaning of the erosion control items shall be included in the respective erosion control pay item.

Intended Sequence For Erosion Control

- Placement of perimeter erosion control barrier prior to the commencement of any work see Std. 280001.
- Placement of temporary erosion control structures
- Removal of existing pavement and drainage structures to facilitate construction
- Construction of storm sewers, roadway paving and shoulders.
- Final grading and shaping including placement of the aggregate surfaces.
- Removal and proper clean up of the temporary erosion controls
- Placement of permanent erosion controls



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DATE: 3-22-06
 REV: EFD
 EFD
 LDY

MLK and White Oak Road
 Intersection Improvements
 Pavement Marking & Erosion Control
 Details

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