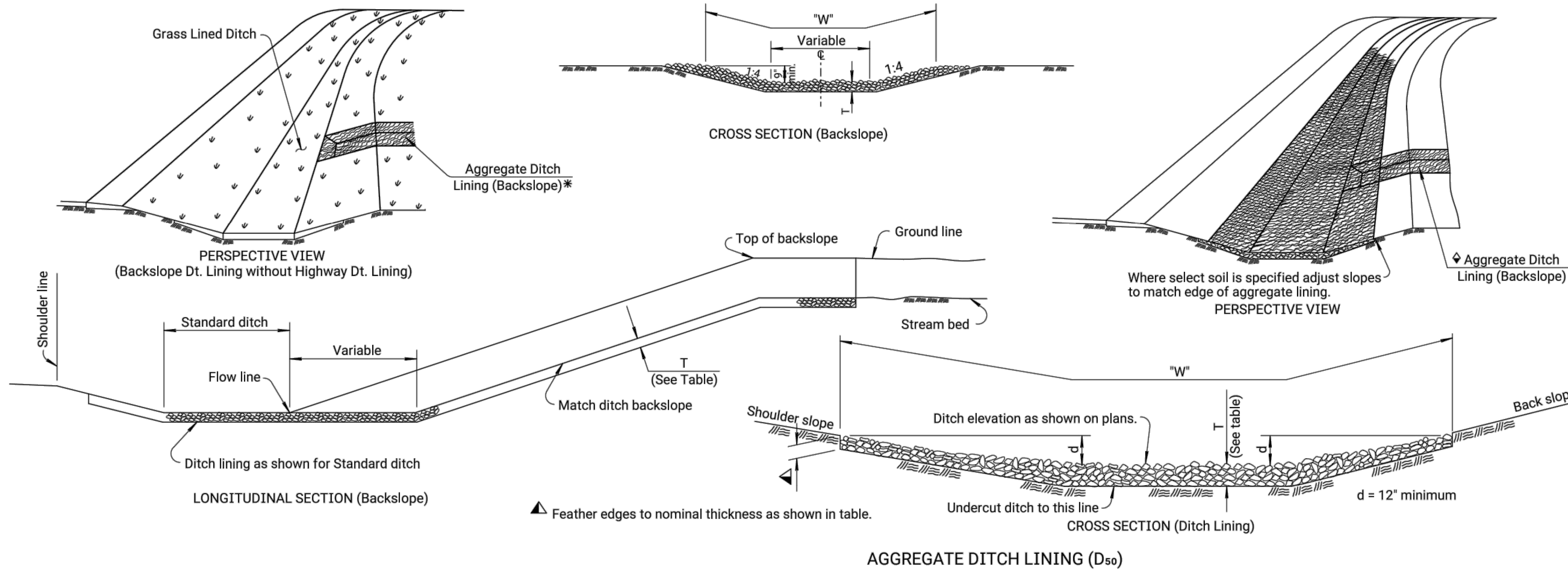


| | | | | |
|--------|-------------|------|-----------|--------------|
| STATE | PROJECT NO. | YEAR | SHEET NO. | TOTAL SHEETS |
| KANSAS | 472-85395 | 2019 | 16 | 45 |

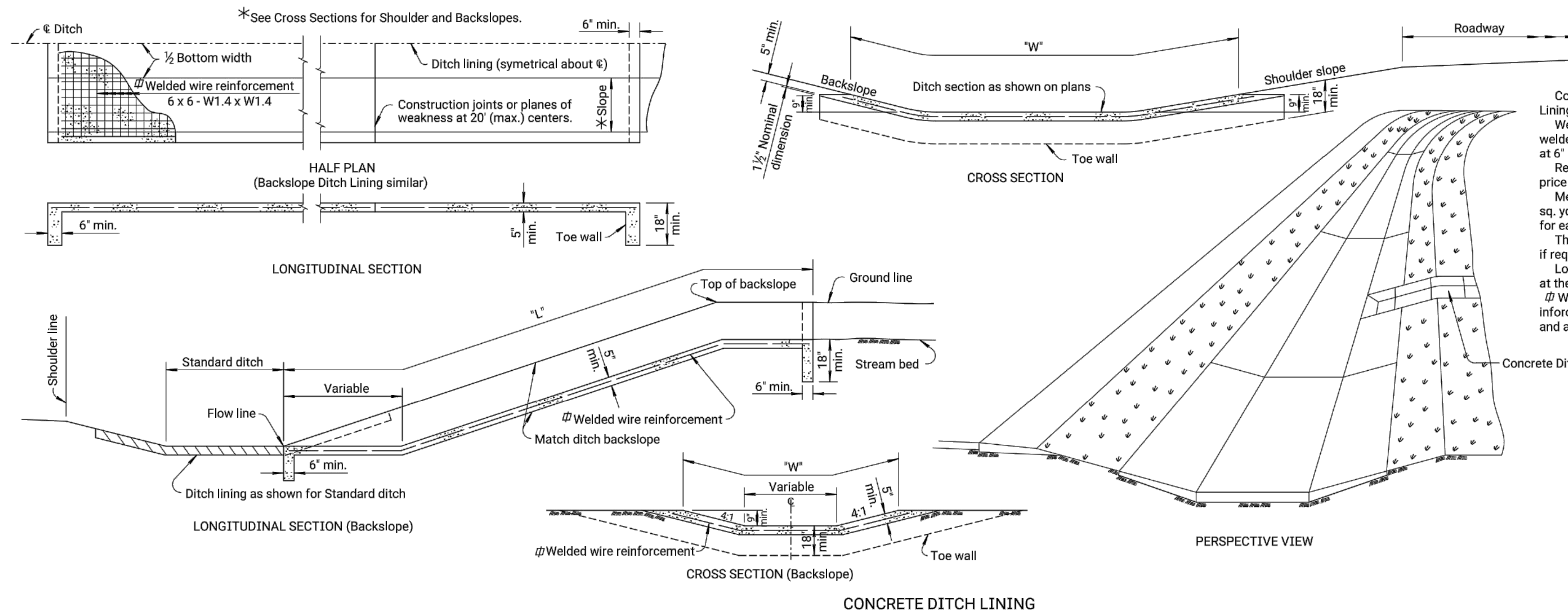


GENERAL NOTE
All work and materials required for this construction shall be paid for by the ton of "Aggregate Ditch Lining (D₅₀)".
Dumped aggregate shall be spread in reasonable conformity with the ditch section as shown and as directed by the Engineer.
Aggregate Ditch Lining shall be measured and paid for by the ton in the vehicle at the location designated by the Engineer and shall be full compensation for excavation for undercutting, furnishing, hauling, placing and maintaining the material as specified to complete the work.
The weight of the aggregate is based on a standard density of 120 PCF. When the standard density of the material is more or less than 120 PCF, the thickness may vary correspondingly.

◆ Backslope aggregate ditch lining, constructed as indicated on this sheet, shall be paid for by the ton of "Aggregate Ditch Lining (D₅₀)."

| QUANTITIES FOR TYPICAL 10' DITCH with 6:1 shoulder slope & 4:1 backslope | | | |
|--|-----|-----|---------|
| Approx. Excavation per Station (cu.yd.) | | | |
| D ₅₀ | T | ▲ | |
| 4" | 12" | 8" | d = 1.0 |
| 6" | 18" | 12" | d = 2.0 |
| | | | d = 3.0 |
| | | | d = 4.0 |
| | | | 68 |
| | | | 99 |
| | | | 130 |
| | | | 161 |
| | | | 102 |
| | | | 148 |
| | | | 195 |
| | | | 241 |

Note: Quantities provided for information only.
● Aggregate larger than 4 inches (D₅₀) should not be used within the clear zone.



GENERAL NOTE
Concrete Grade 3.0 shall be used in Concrete Ditch Lining.
Welded wire reinforcement shall be of the electrically welded square mesh type with No. W1.4 wires spaced at 6" ctrs. each way.
Reinforcement as shown is included in the unit price bid for "Concrete Ditch Lining".
Measurements of Concrete Ditch Lining shall be in sq. yds. of outside surface area. Add 1'-6" times "W" for each toewall.
The exact location and dimensions may be adjusted, if required, by the Engineer at the time of construction.
Longitudinal construction joints may be constructed at the Contractor's option.
Welded wire can be substituted with macro fiber reinforcement. See Standard Specifications for macro fiber and application rate requirements

| NO. | DATE | REVISIONS | BY | APP'D |
|-----|----------|---|--------|--------|
| 10 | 3-27-18 | Added Aggregate Size in Clear Zone Guidance | A.L.R. | T.T.R. |
| 9 | 8-1-12 | Revised General Note | S.W.K. | J.O.B. |
| 8 | 3-20-08 | Rev. agg. edge thickness and quant. | S.W.K. | J.O.B. |
| 7 | 11-07-07 | Revised aggregate to 120 PCF | S.W.K. | J.O.B. |

| KANSAS DEPARTMENT OF TRANSPORTATION | | | |
|-------------------------------------|------------|------------|---------------|
| DITCH LINING | | | |
| RD502 | | | |
| FHWA APPROVAL | 6-19-18 | APP'D. | SCOTT W. KING |
| DESIGNED | DETAILED | QUANTITIES | TRACED |
| DESIGN CK. | DETAIL CK. | QUAN. CK. | TRACE CK. |

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