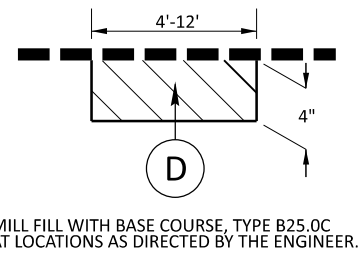
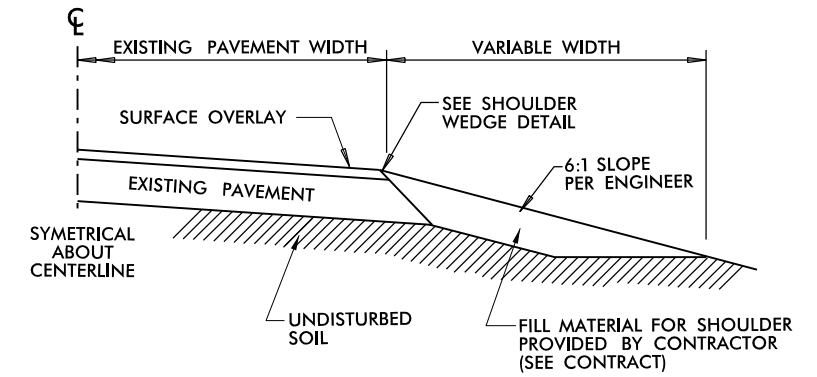
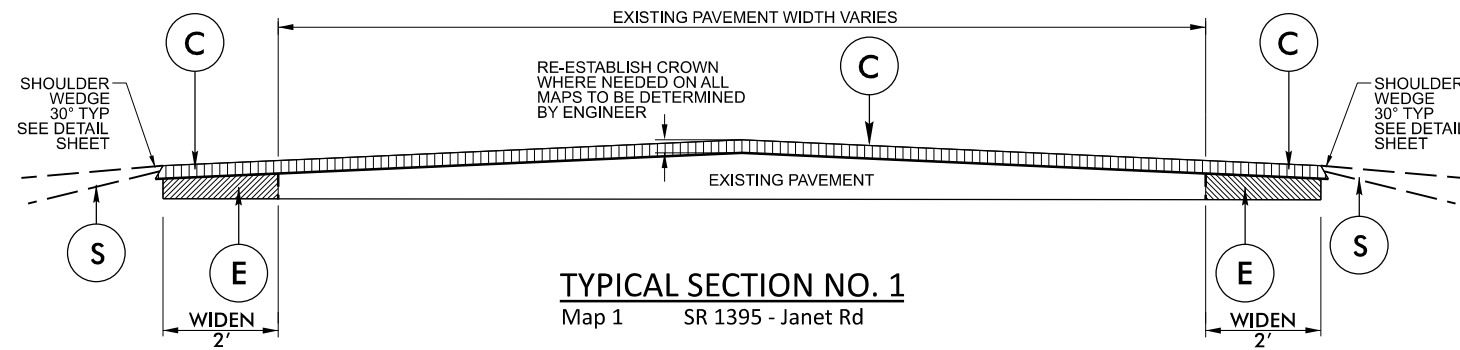


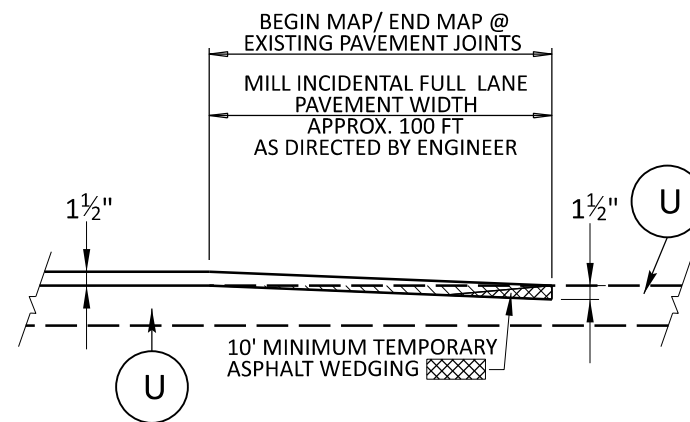
OPENX SAMPLE PLANSET

This sample planset is for demonstrating appearance, sheet layout, and plan preparation only. The design content is illustrative and not intended for design or construction use.

Refer to applicable Manuals, Standards, and Guidelines for actual design requirements. This sample is not a substitute for compliance with engineering standards.



PATCHING EXISTING PAVEMENT DETAIL

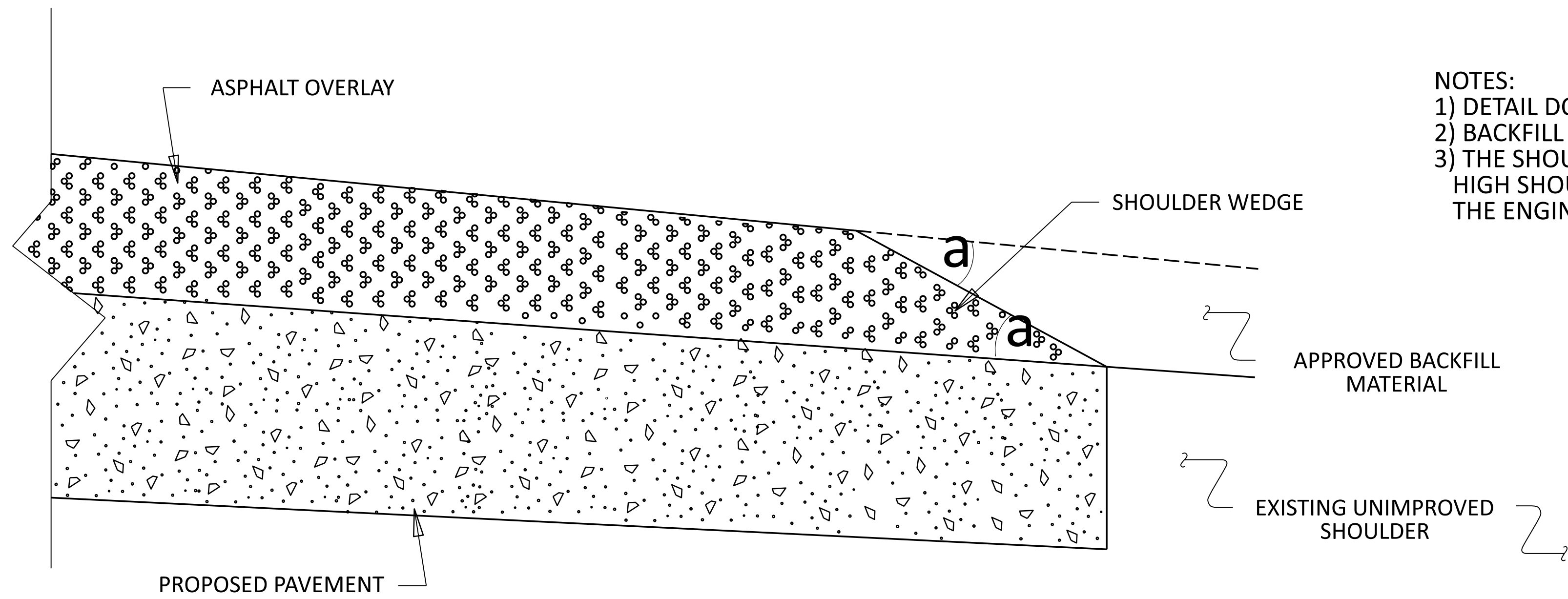


INCIDENTAL MILLING AT TIE-IN DETAIL

| PAVEMENT SCHEDULE | |
|-------------------|---|
| C | PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
| D | PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. |
| E | PROP. APPROX. 8" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN EACH OF TWO LAYERS. |
| S | SHOULDER RECONSTRUCTION (SEE DETAIL) |
| U | EXISTING PAVEMENT |

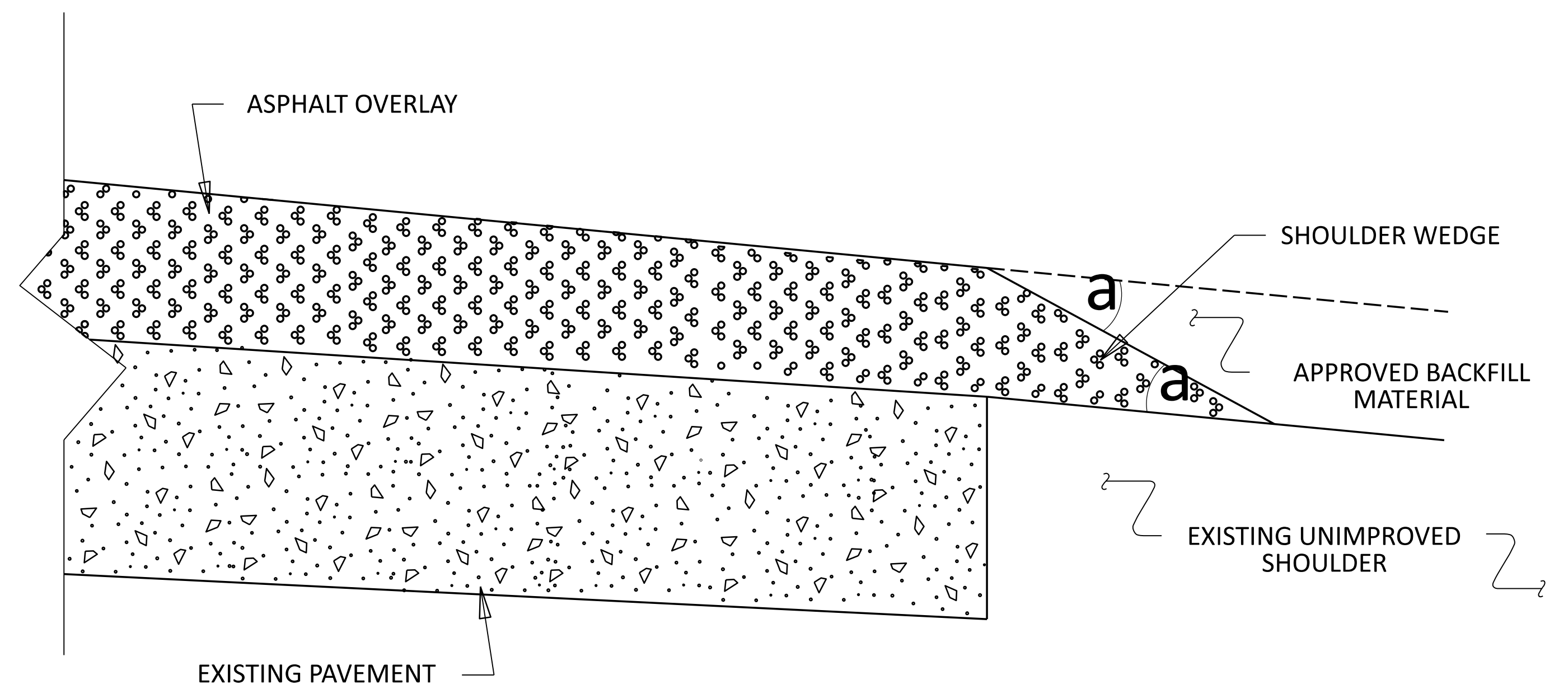


Relocate stop sign, in monolithic island, away from NC 770 and in line with stop sign on right shoulder of Janet Rd. New location should allow more room for trucks turning left onto NC 770 from Janet Rd.

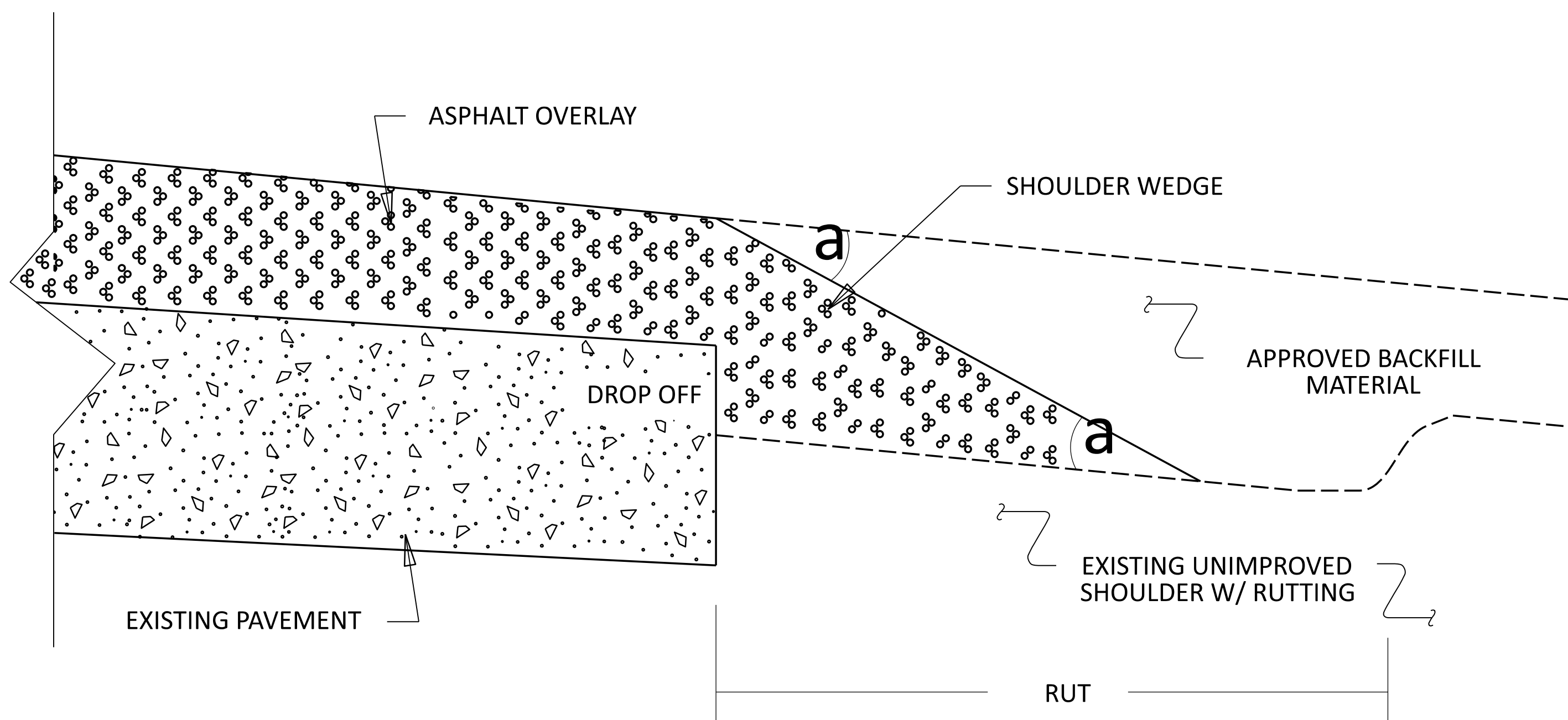


- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFD AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS DIRECTED BY THE ENGINEER.

SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ Widening or
 with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

| | | | |
|--|---|------------------|----------|
| CONTRACT STANDARDS AND DEVELOPMENT UNIT | | | |
| Office 919-707-6950 | | FAX 919-250-4119 | |
| SHOULDER WEDGE DETAILS | | | |
| ORIGINAL BY: | T.SPELL | DATE: | 7-19-11 |
| MODIFIED BY: | | DATE: | 10/16/12 |
| CHECKED BY: | | DATE: | |
| FILE SPEC.: | s:\usr\details\stand\shoulderwedge\detail.dgn | | |

| | | |
|-------------|-----------|-----------|
| PROJECT NO. | SHEET NO. | TOTAL NO. |
| BR-0093 | 5 | 5 |

SUMMARY OF QUANTITIES

| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | TYP NO | LANES | LENGTH | WIDTH | BEGIN MP | END MP | 0106000000-E | 1220000000-E | 1245000000-E | 1260000000-E | 1330000000-E | 1491000000-E | 1519000000-E | 1575000000-E | 1704000000-E | 4116100000-N | 6110000000-E |
|-----------------------------------|------------|--------|--------------------|---------------------------|--------|-------|--------------|-------|----------|--------|-------------------|------------------|-------------------------|---------------------------|--------------------|---------------------------------------|---|------------------------------|----------------------------|--|---------------------|
| | | | | | | | | | | | BORROW EXCAVATION | INCIDENTAL STONE | SHOULDER RECONSTRUCTION | AGGREGATE SHOULDER BORROW | INCIDENTAL MILLING | ASPHALT CONC BASE COURSE, TYPE B25.0C | ASPHALT CONC SURFACE COURSE, TYPE S9.5B | ASPHALT BINDER FOR PLANT MIX | PATCHING EXISTING PAVEMENT | SIGN ERECTION, RELOCATE, TYPE "E" (GROUND MOUNTED) | RESIDENTIAL SEEDING |
| | | | | | | | MI | FT | | | CY | TONS | SMI | TON | SY | TON | TONS | TON | TONS | EA | AC |
| BR-0093 | Rockingham | 1 | SR-1395 / JANET RD | FROM US 220 BUS TO NC 770 | 1 | 2 | 2.751 | 20 | 0 | 2.751 | 220 | 150 | 5.50 | 624 | 494 | 2,944 | 3,724 | 375 | 200 | 1.00 | 0.80 |
| TOTAL FOR MAP NO. 1 | | | | | | | 2.751 | | | | 220 | 150 | 5.50 | 624 | 494 | 2,944 | 3,724 | 375 | 200 | 1.00 | 0.80 |
| TOTAL FOR PROJ NO. BR-0093 | | | | | | | 2.751 | | | | 220 | 150 | 5.50 | 624 | 494 | 2,944 | 3,724 | 375 | 200 | 1.00 | 0.80 |
| GRAND TOTAL | | | | | | | 2.751 | | | | 220 | 150 | 5.50 | 624 | 494 | 2,944 | 3,724 | 375 | 200 | 1.00 | 0.80 |

THERMOPLASTIC AND PAINT QUANTITIES

| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | TYP NO | LANES | LENGTH | WIDTH | BEGIN MP | END MP | 4400000000-E | 4405000000-E | 4435000000-N | 4455000000-N | 4685000000-E | | 4688000000-E | 4709000000-E |
|-----------------------------------|------------|--------|--------------------|---------------------------|--------|-------|--------------|-------|----------|--------|------------------------------|----------------------------|--------------|--------------|------------------------|-------------------------|------------------------|-------------------------|
| | | | | | | | | | | | WORK ZONE SIGNS (STATIONARY) | WORK ZONE SIGNS (PORTABLE) | CONES | FLAGGER | 4" X 90 M WHITE THERMO | 4" X 90 M YELLOW THERMO | 6" X 90 M WHITE THERMO | 24" X 90 M WHITE THERMO |
| | | | | | | | MI | FT | | | SF | SF | EA | DAY | LF | LF | LF | LF |
| BR-0093 | Rockingham | 1 | SR-1395 / JANET RD | FROM US 220 BUS TO NC 770 | 1 | 2 | 2.751 | 20 | 0 | 2.751 | 72 | 192 | 78 | 50 | 30,000 | 30,000 | 165 | 40 |
| TOTAL FOR MAP NO. 1 | | | | | | | 2.751 | | | | 72 | 192 | 78 | 50 | 30,000 | 30,000 | 165 | 40 |
| TOTAL FOR PROJ NO. BR-0093 | | | | | | | 2.751 | | | | 72 | 192 | 78 | 50 | 30,000 | 30,000 | 165 | 40 |
| GRAND TOTAL | | | | | | | 2.751 | | | | 72 | 192 | 78 | 50 | 30,000 | 30,000 | 165 | 40 |