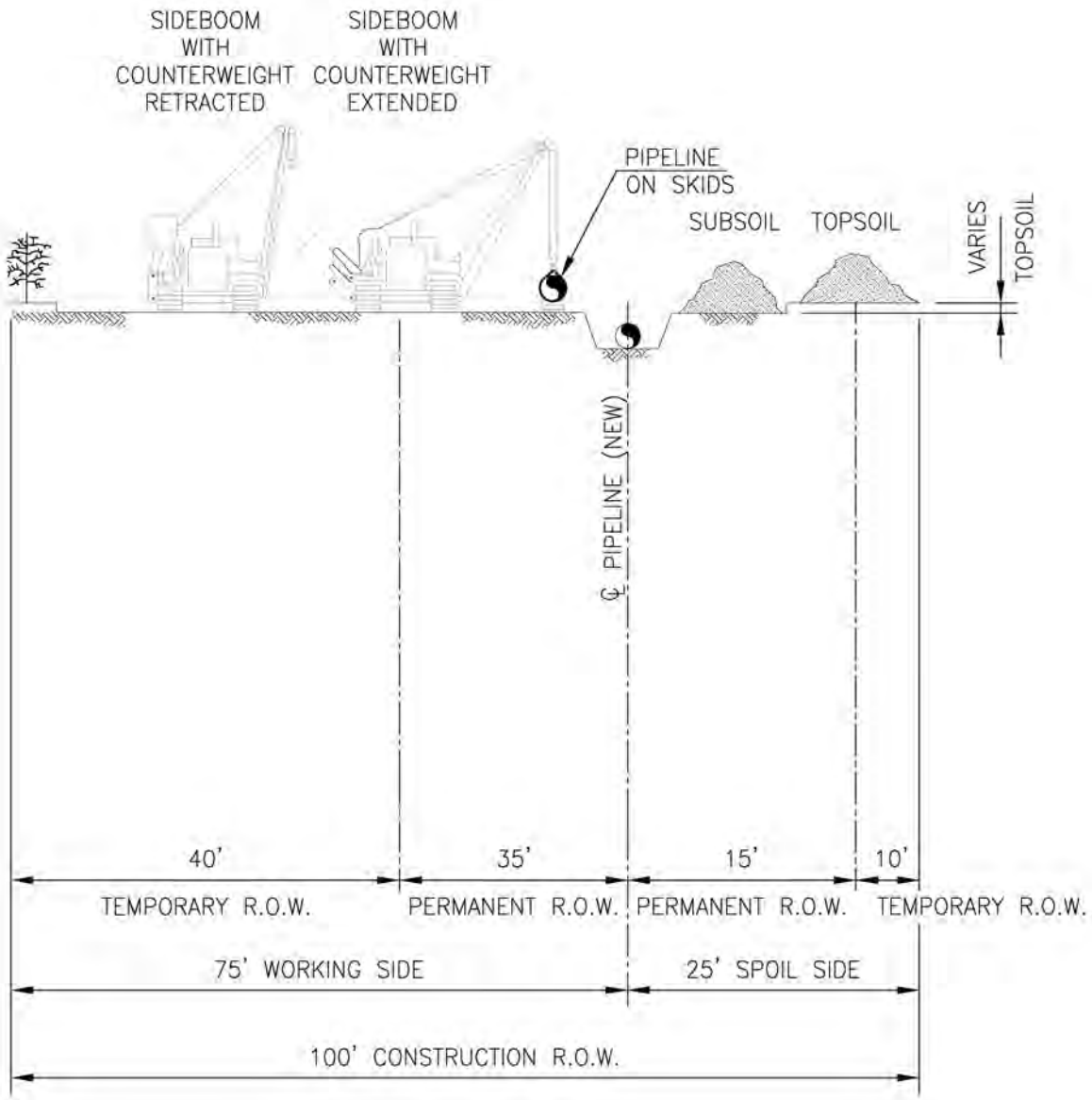
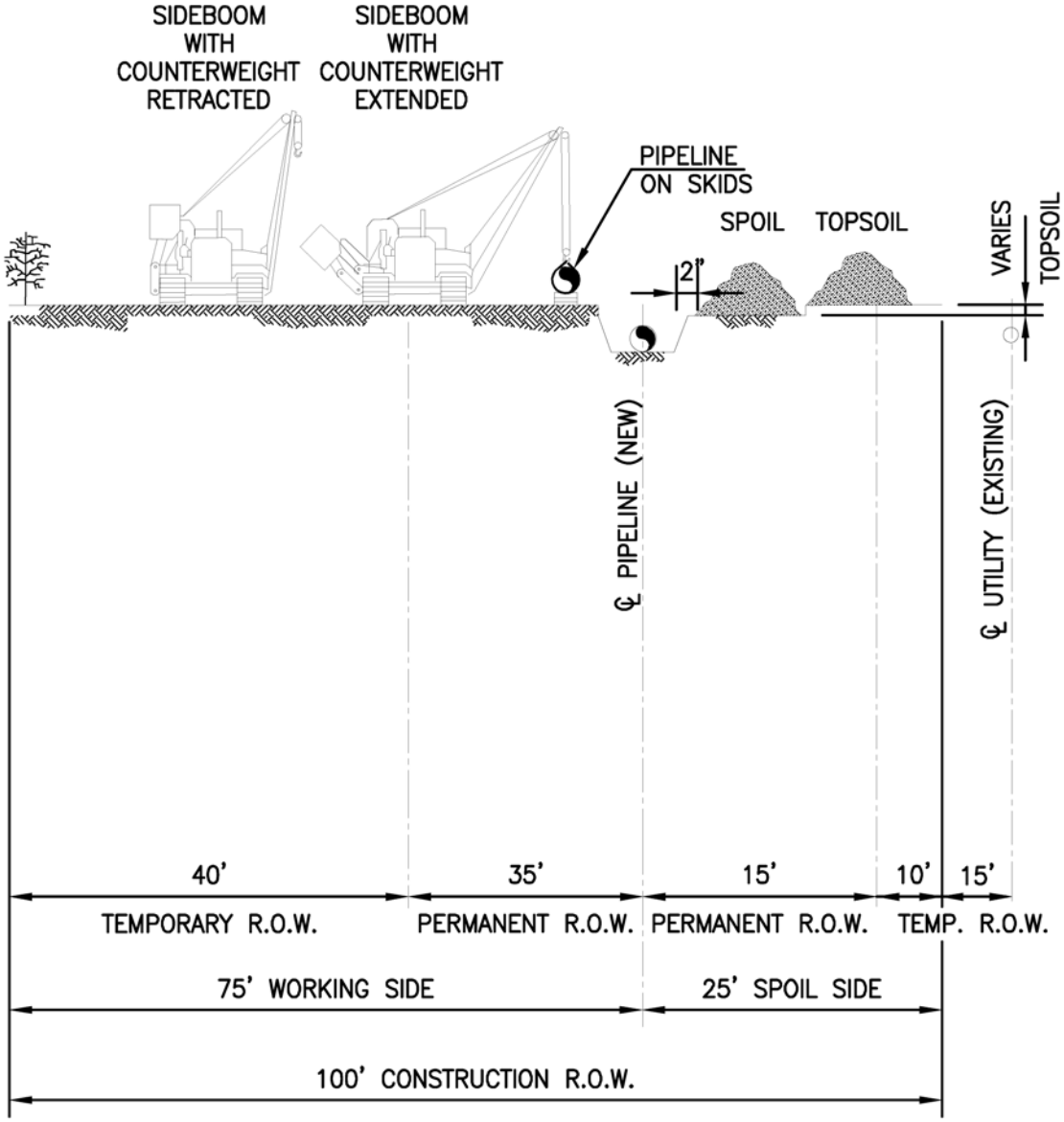


NOTES:

1. ALTHOUGH THE DIMENSIONS SHOWN ARE TYPICAL, SOME VARIATIONS MAY EXIST DUE TO SITE SPECIFIC CONDITIONS. UNLESS OTHERWISE INDICATED ON THE ALIGNMENT SHEETS, THE MAXIMUM WIDTH OF THE CONSTRUCTION RIGHT-OF-WAY SHALL BE AS SHOWN IN THE TABLE FOR THE APPROPRIATE PIPE DIAMETER.

2. TOPSOIL AND SUBSOIL SHALL BE SEGREGATED FOR THE TRENCH AND SPOIL SIDES.

BakkenLink Pipeline, LLC			
TYPICAL CONSTRUCTION RIGHT-OF-WAY			
DRAWN BY: PCS		CHK'D. BY: PCS	
DATE:		APPRV. BY: PCS	
DWG. NO. DETAIL 30			REV A



NOTES:

1. ALTHOUGH THE DIMENSIONS SHOWN ARE TYPICAL, SOME VARIATIONS MAY EXIST DUE TO SITE SPECIFIC CONDITIONS. UNLESS OTHERWISE INDICATED ON THE ALIGNMENT SHEETS, THE MAXIMUM WIDTH OF THE CONSTRUCTION RIGHT-OF-WAY SHALL BE AS SHOWN IN THE TABLE FOR THE APPROPRIATE PIPE DIAMETER.
2. TOPSOIL AND SUBSOIL SHALL BE SEGREGATED FOR THE TRENCH, AND SPOIL SIDES.

BakkenLink Pipeline, LLC

TYPICAL CONSTRUCTION
RIGHT-OF-WAY
PARALLEL TO EXISTING UTILITIES

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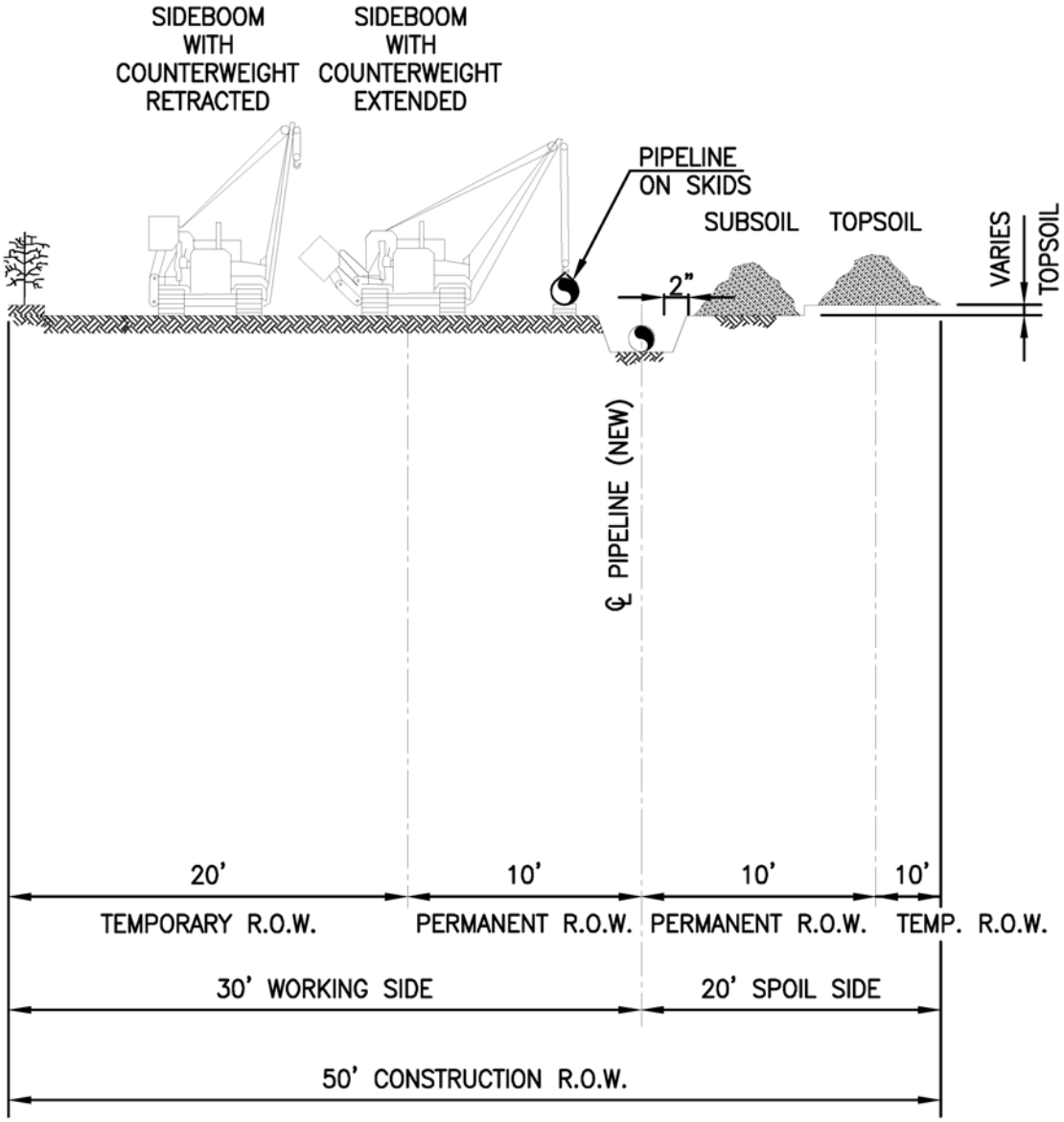

NOTES:

1. ALTHOUGH THE DIMENSIONS SHOWN ARE TYPICAL, SOME VARIATIONS MAY EXIST DUE TO SITE SPECIFIC CONDITIONS. UNLESS OTHERWISE INDICATED ON THE ALIGNMENT SHEETS, THE MAXIMUM WIDTH OF THE CONSTRUCTION RIGHT-OF-WAY SHALL BE AS SHOWN IN THE TABLE FOR THE APPROPRIATE PIPE DIAMETER.

2. TOPSOIL AND SUBSOIL SHALL BE SEGREGATED FOR THE ENTIRE 50 FOOT R.O.W. (TRENCH, SPOIL AND WORKING SIDES).

BakkenLink Pipeline, LLC	
TYPICAL CONSTRUCTION RIGHT-OF-WAY WITHIN FOREST SERVICE GRASSLANDS	
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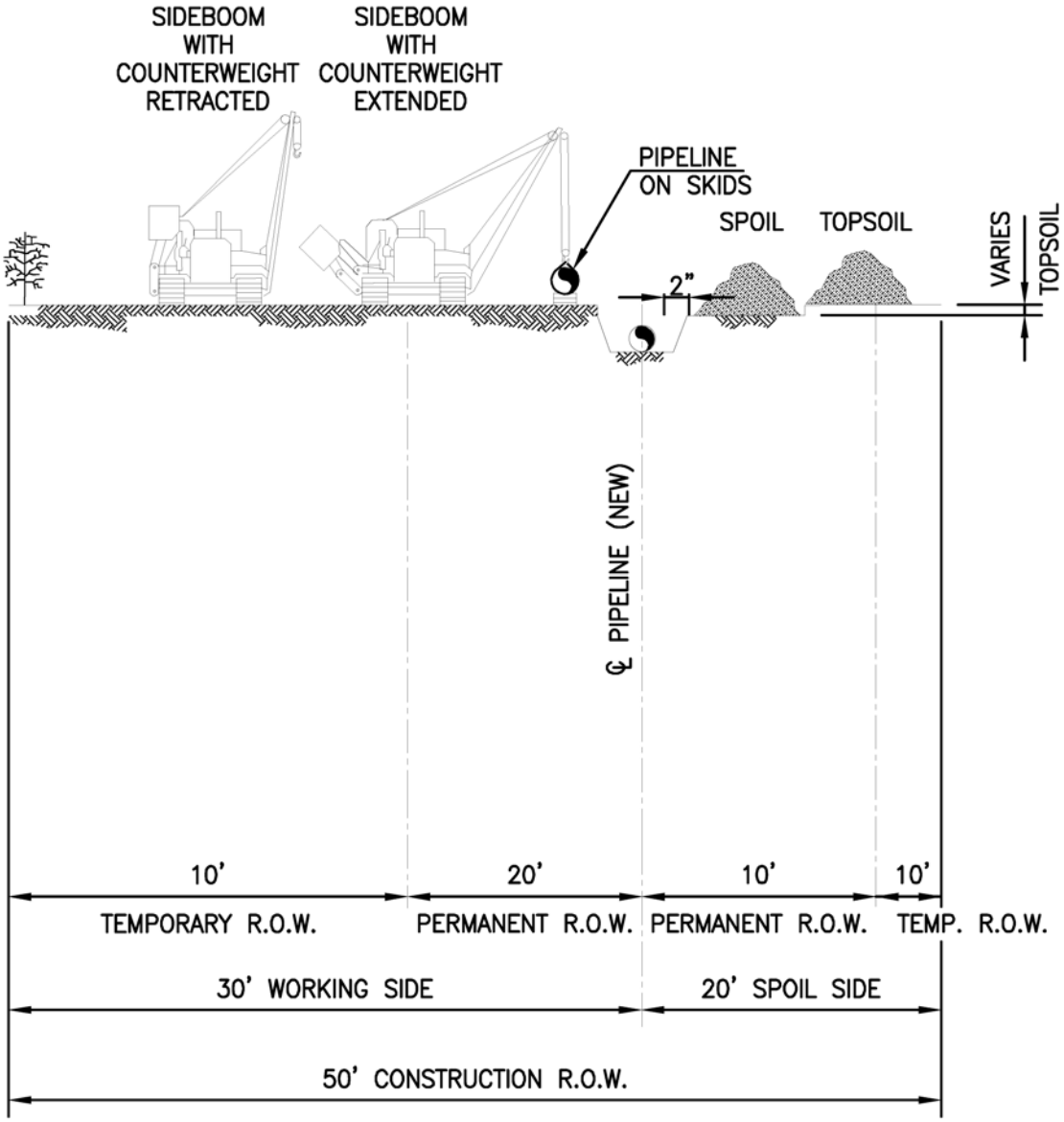

NOTES:

1. ALTHOUGH THE DIMENSIONS SHOWN ARE TYPICAL, SOME VARIATIONS MAY EXIST DUE TO SITE SPECIFIC CONDITIONS. UNLESS OTHERWISE INDICATED ON THE ALIGNMENT SHEETS, THE MAXIMUM WIDTH OF THE CONSTRUCTION RIGHT-OF-WAY SHALL BE AS SHOWN IN THE TABLE FOR THE APPROPRIATE PIPE DIAMETER.

2. TOPSOIL AND SUBSOIL SHALL BE SEGREGATED FOR THE TRENCH, AND SPOIL SIDES.

BakkenLink Pipeline, LLC	
TYPICAL CONSTRUCTION RIGHT-OF-WAY WITHIN WETLANDS	
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DATE:	APPRV. BY: PCS
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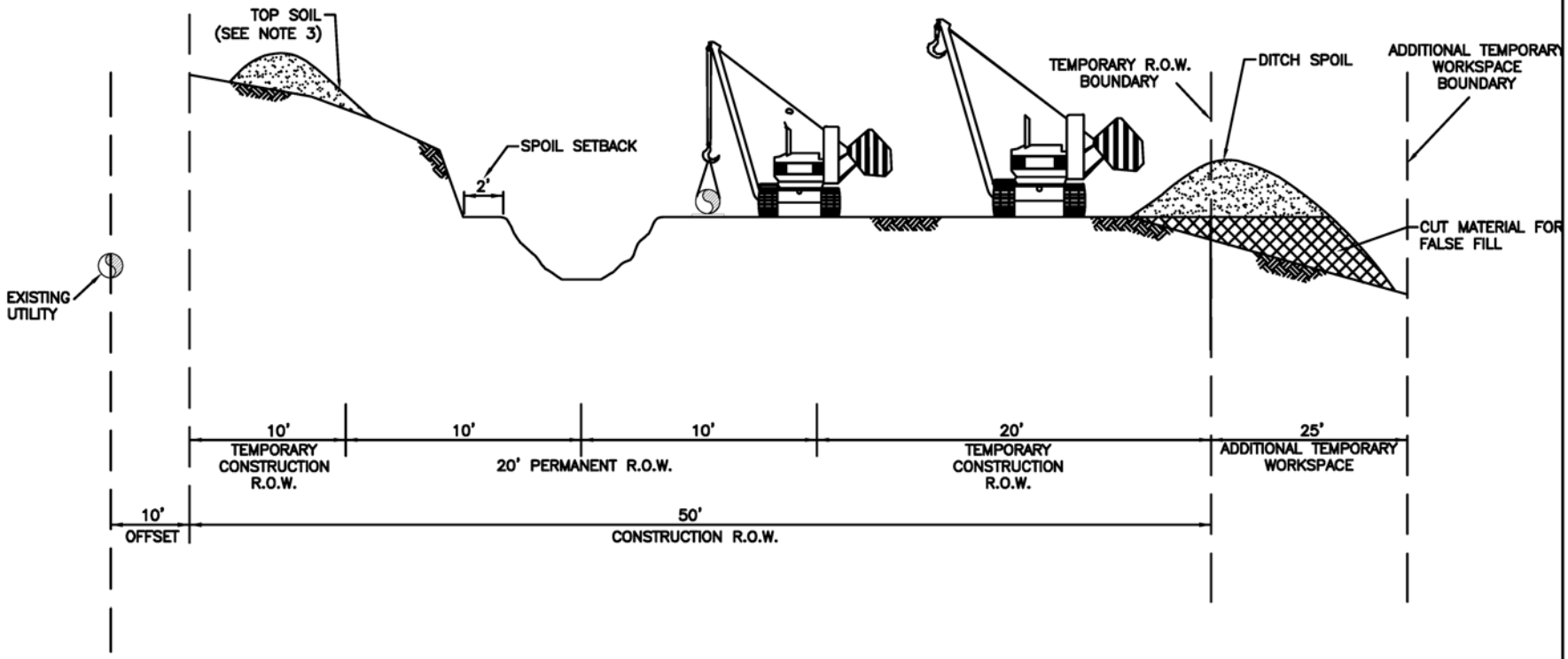

PROFILE

* DIMENSIONS ARE TYPICAL, SEE ALIGNMENT SHEETS FOR ACTUAL RIGHT-OF-WAY CONFIGURATIONS AND CLEARING LIMITS.

NOTES:

1. CONSTRUCTION RIGHT-OF-WAY WILL TYPICALLY BE 75 FEET WIDE CONSISTING OF 20 FEET OF PERMANENT EASEMENT, 30 FEET OF TEMPORARY WORKSPACE AND 25 FEET OF ADDITIONAL TEMPORARY WORKSPACE. FURTHER ADDITIONAL TEMPORARY WORKSPACE WILL BE NECESSARY AT ROAD, RAIL AND RIVER CROSSINGS AND OTHER SPECIAL CIRCUMSTANCES, AS REQUIRED. CERTAIN SITUATIONS MAY REQUIRE A NARROWER WIDTH.
2. LEAVE GAPS IN SPOIL PILES AT OBVIOUS DRAINAGES. DO NOT PUSH UPLAND SOILS INTO CANALS OR WETLANDS.
3. TOPSOIL SHALL BE STRIPPED AND SEGREGATED FROM THE ENTIRE 75 FOOT R.O.W.(TRENCH, SPOIL AND WORKING SIDES).

BakkenLink Pipeline, LLC

TYPICAL CONSTRUCTION
DOWNWARD SIDE SLOPE
WORKSPACE WITHIN FOREST SERVICE

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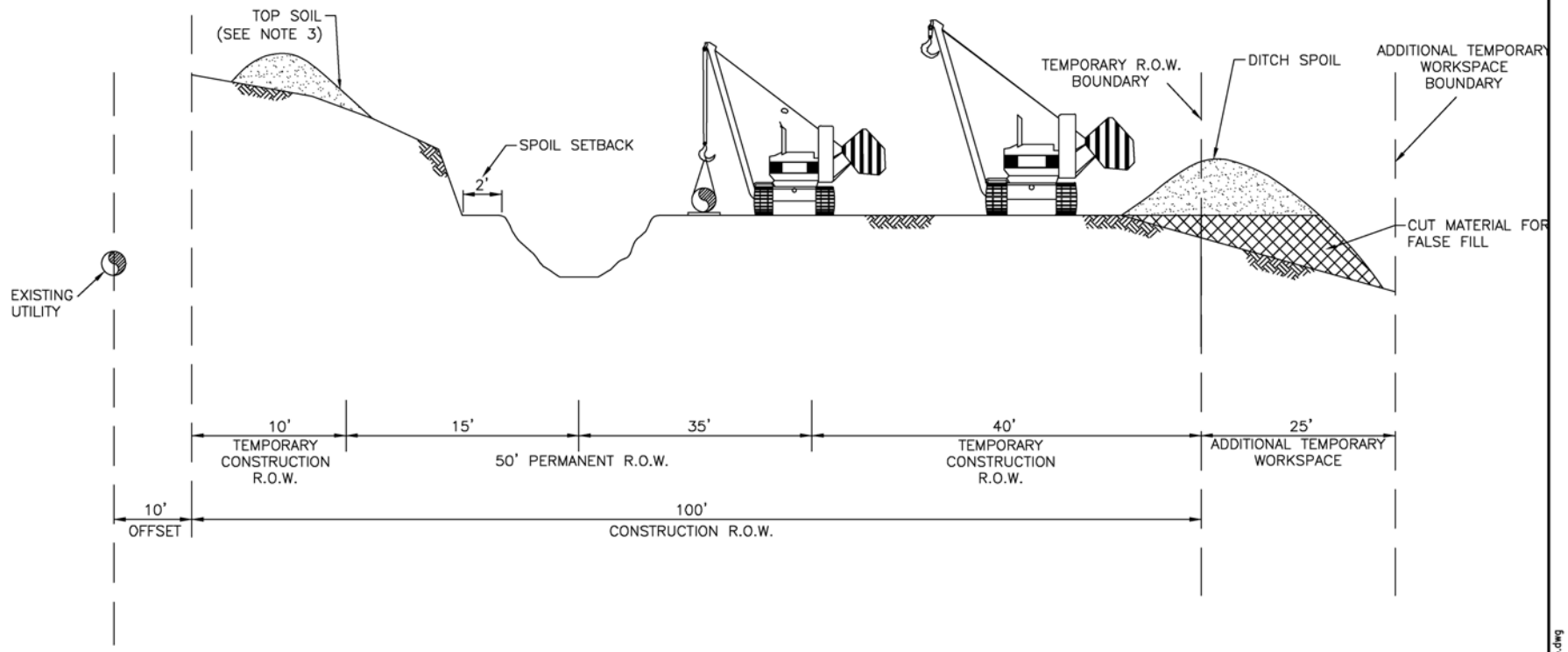

PROFILE

* DIMENSIONS ARE TYPICAL, SEE ALIGNMENT SHEETS FOR ACTUAL RIGHT-OF-WAY CONFIGURATIONS AND CLEARING LIMITS.

NOTES:

1. CONSTRUCTION RIGHT-OF-WAY WILL TYPICALLY BE 125 FEET WIDE CONSISTING OF 50 FEET OF PERMANENT EASEMENT, 50 FEET OF TEMPORARY WORKSPACE AND 25 FEET OF ADDITIONAL TEMPORARY WORKSPACE. FURTHER ADDITIONAL TEMPORARY WORKSPACE WILL BE NECESSARY AT ROAD, RAIL AND RIVER CROSSINGS AND OTHER SPECIAL CIRCUMSTANCES, AS REQUIRED. CERTAIN SITUATIONS MAY REQUIRE A NARROWER WIDTH.
2. LEAVE GAPS IN SPOIL PILES AT OBVIOUS DRAINAGES. DO NOT PUSH UPLAND SOILS INTO CANALS OR WETLANDS.
3. TOPSOIL AND SUBSOIL SHALL BE SEGREGATED FOR THE TRENCH, AND SPOIL SIDES.

BakkenLink Pipeline, LLC	
TYPICAL CONSTRUCTION DOWNWARD SIDE SLOPE WORKSPACE	
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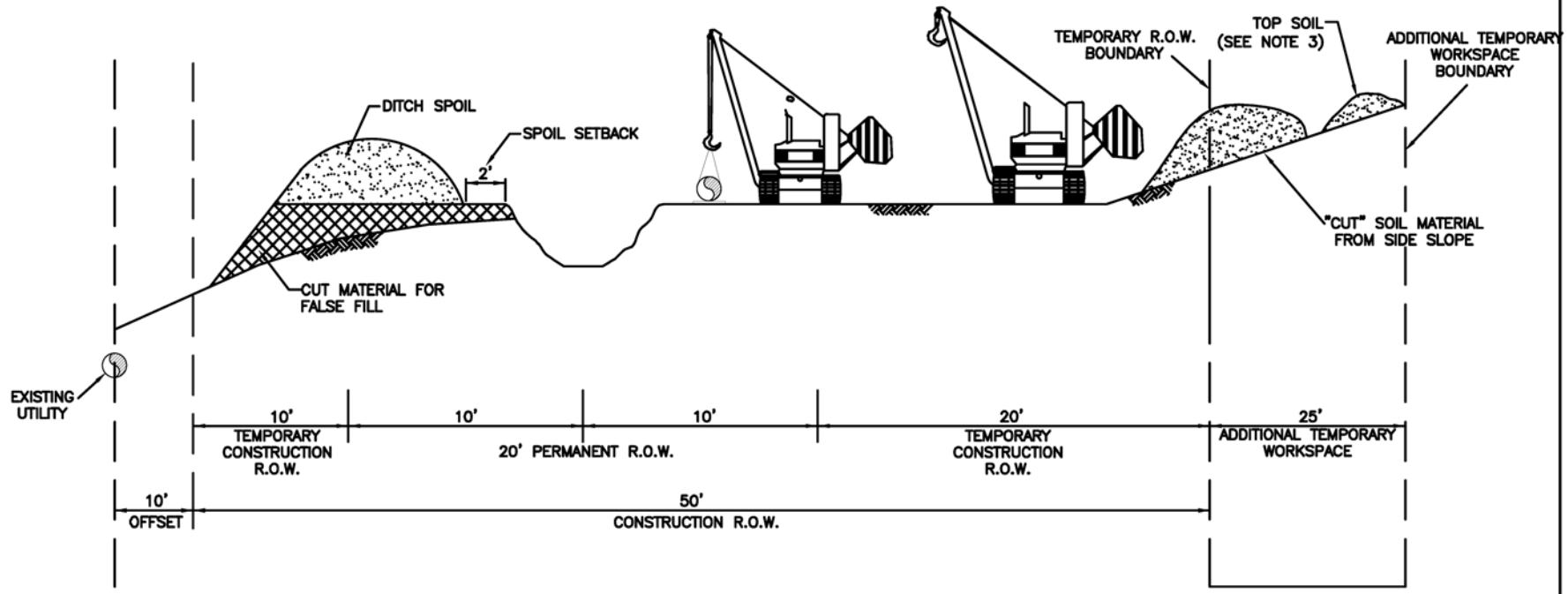

PROFILE

* DIMENSIONS ARE TYPICAL, SEE ALIGNMENT SHEETS FOR ACTUAL RIGHT-OF-WAY CONFIGURATIONS AND CLEARING LIMITS.

NOTES:

1. CONSTRUCTION RIGHT-OF-WAY WILL TYPICALLY BE 75 FEET WIDE CONSISTING OF 20 FEET OF PERMANENT EASEMENT, 30 FEET OF TEMPORARY WORKSPACE AND 25 FEET OF ADDITIONAL TEMPORARY WORKSPACE. FURTHER ADDITIONAL TEMPORARY WORKSPACE WILL BE NECESSARY AT ROAD, RAIL AND RIVER CROSSINGS AND OTHER SPECIAL CIRCUMSTANCES, AS REQUIRED. CERTAIN SITUATIONS MAY REQUIRE A NARROWER WIDTH.
2. LEAVE GAPS IN SPOIL PILES AT OBVIOUS DRAINAGES. DO NOT PUSH UPLAND SOILS INTO CANALS OR WETLANDS.
3. TOPSOL SHALL BE STRIPPED AND SEGREGATED FROM THE ENTIRE 75 FOOT R.O.W. (TRENCH, SPOIL AND WORKING SIDES).

BakkenLink Pipeline, LLC

TYPICAL CONSTRUCTION
UPWARD SIDE SLOPE WORKSPACE
WITHIN FOREST SERVICE

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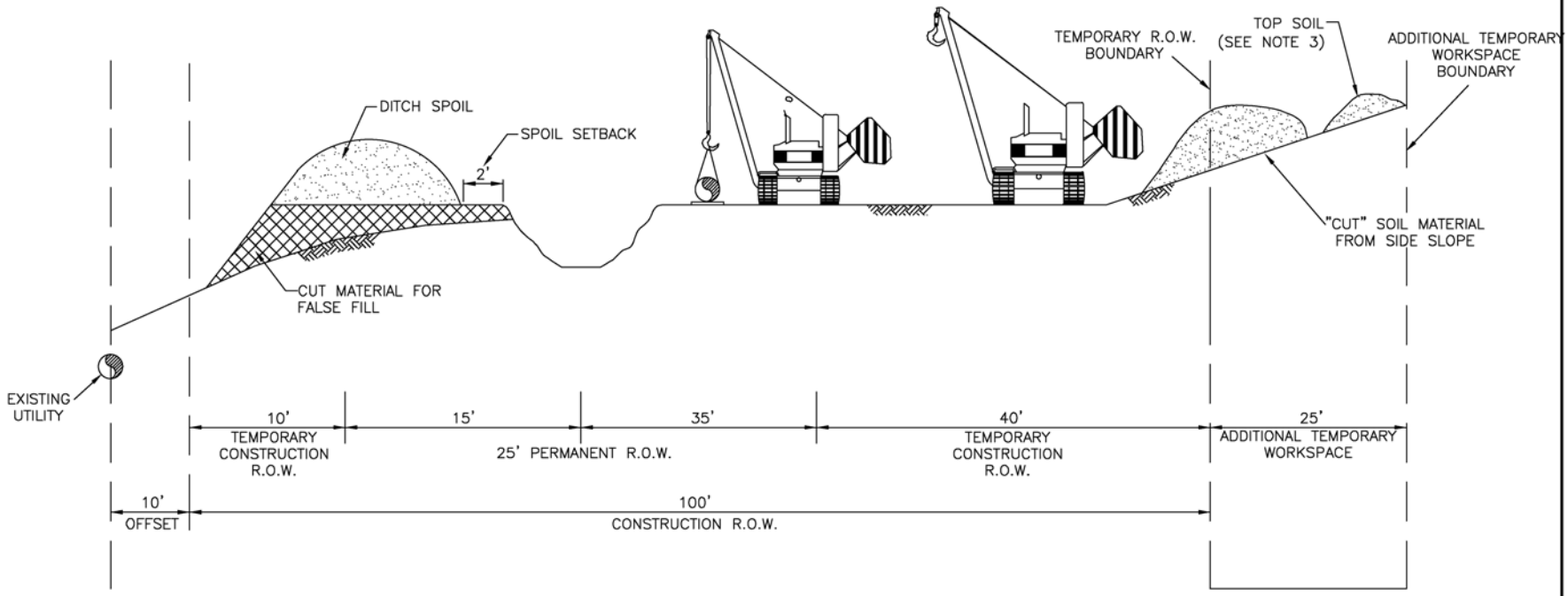

PROFILE

* DIMENSIONS ARE TYPICAL, SEE ALIGNMENT SHEETS FOR ACTUAL RIGHT-OF-WAY CONFIGURATIONS AND CLEARING LIMITS.

NOTES:

1. CONSTRUCTION RIGHT-OF-WAY WILL TYPICALLY BE 125 FEET WIDE CONSISTING OF 50 FEET OF PERMANENT EASEMENT, 50 FEET OF TEMPORARY WORKSPACE AND 25 FEET OF ADDITIONAL TEMPORARY WORKSPACE. FURTHER ADDITIONAL TEMPORARY WORKSPACE WILL BE NECESSARY AT ROAD, RAIL AND RIVER CROSSINGS AND OTHER SPECIAL CIRCUMSTANCES, AS REQUIRED. CERTAIN SITUATIONS MAY REQUIRE A NARROWER WIDTH.
2. LEAVE GAPS IN SPOIL PILES AT OBVIOUS DRAINAGES. DO NOT PUSH UPLAND SOILS INTO CANALS OR WETLANDS.
3. TOPSOIL AND SUBSOIL SHALL BE SEGREGATED FOR THE TRENCH, AND SPOIL SIDES.

BakkenLink Pipeline, LLC

TYPICAL CONSTRUCTION
UPWARD SIDE SLOPE WORKSPACE

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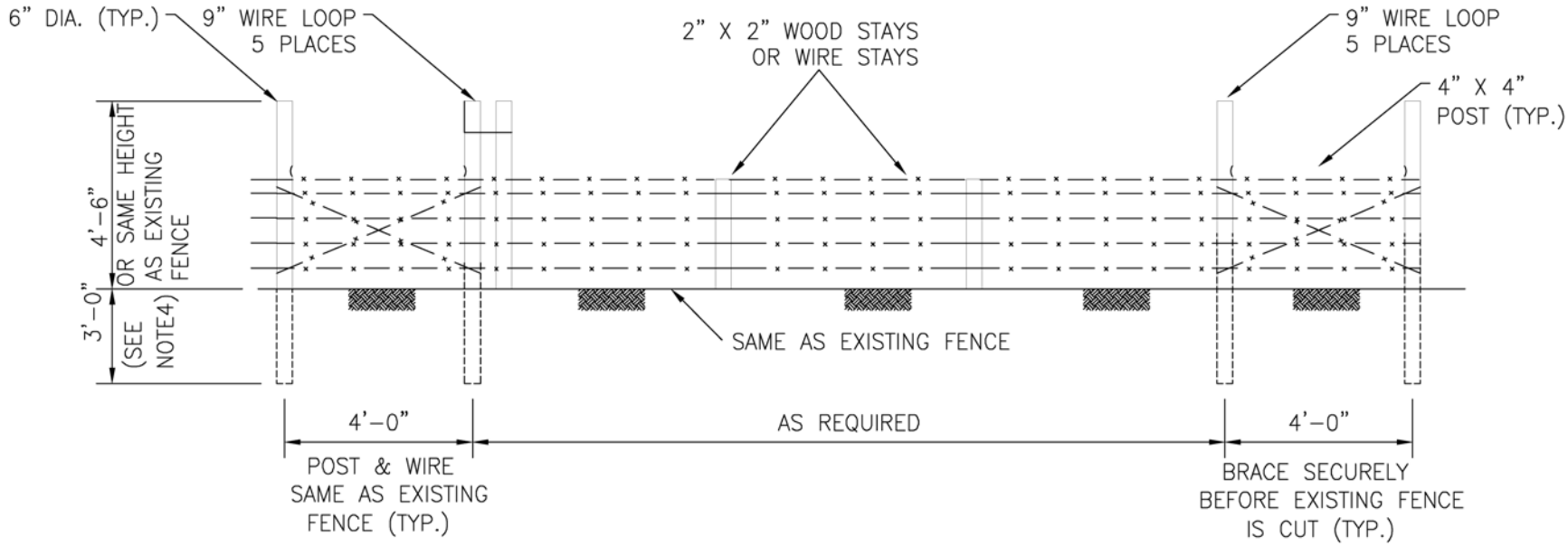

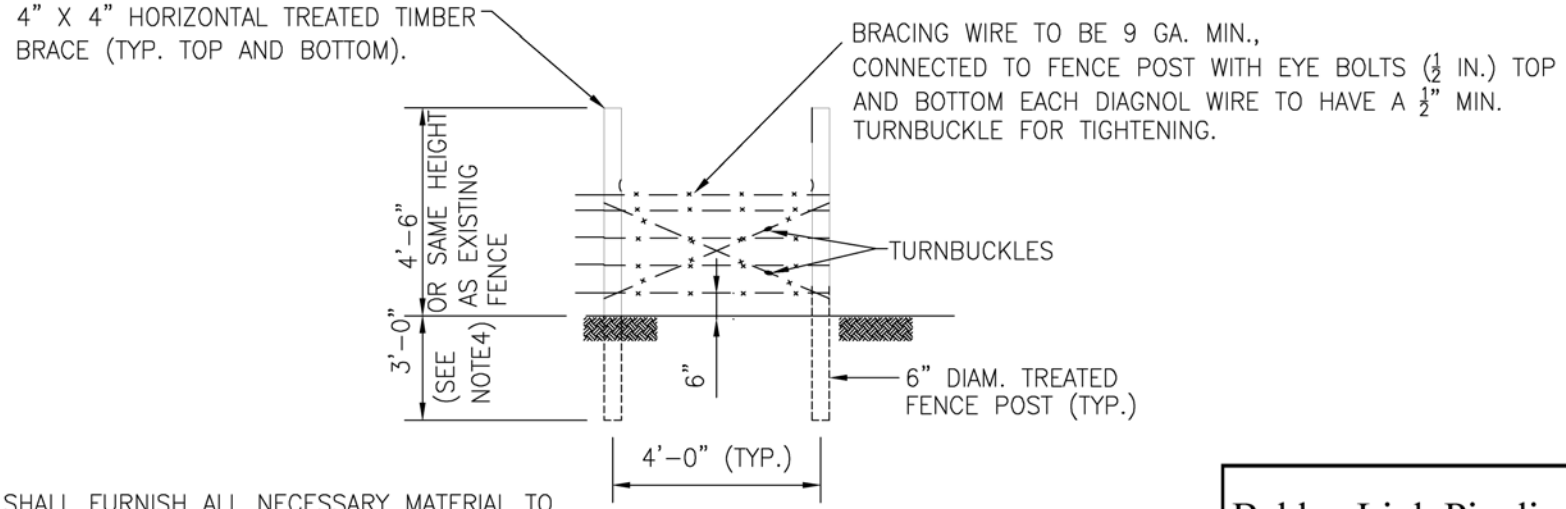

NOTES:

1. CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIAL TO CONSTRUCT FENCE GATE TO MATCH EXISTING FENCE.
2. POSTS, WIRE AND OTHER MATERIAL SHALL BE SAME AS OR EQUIVALENT MATERIAL TO MATCH EXISTING.
3. BRACE SPAN TO BE CONSTRUCTED ON EACH SIDE OF PIPELINE RIGHT-OF-WAY, PRIOR TO INITIAL DISMANTLING OF FENCE.
4. ACTUAL DEPTH REQUIRED TO BE SET BY WHAT IS REQUIRED TO ACHIEVE A STABLE SUPPORT POST.
5. OFFSET METHOD TO BE USED FOR GATE AT CUTS.

BakkenLink Pipeline, LLC	
TYPICAL CONSTRUCTION FENCE WITH TEMPORARY GATE	
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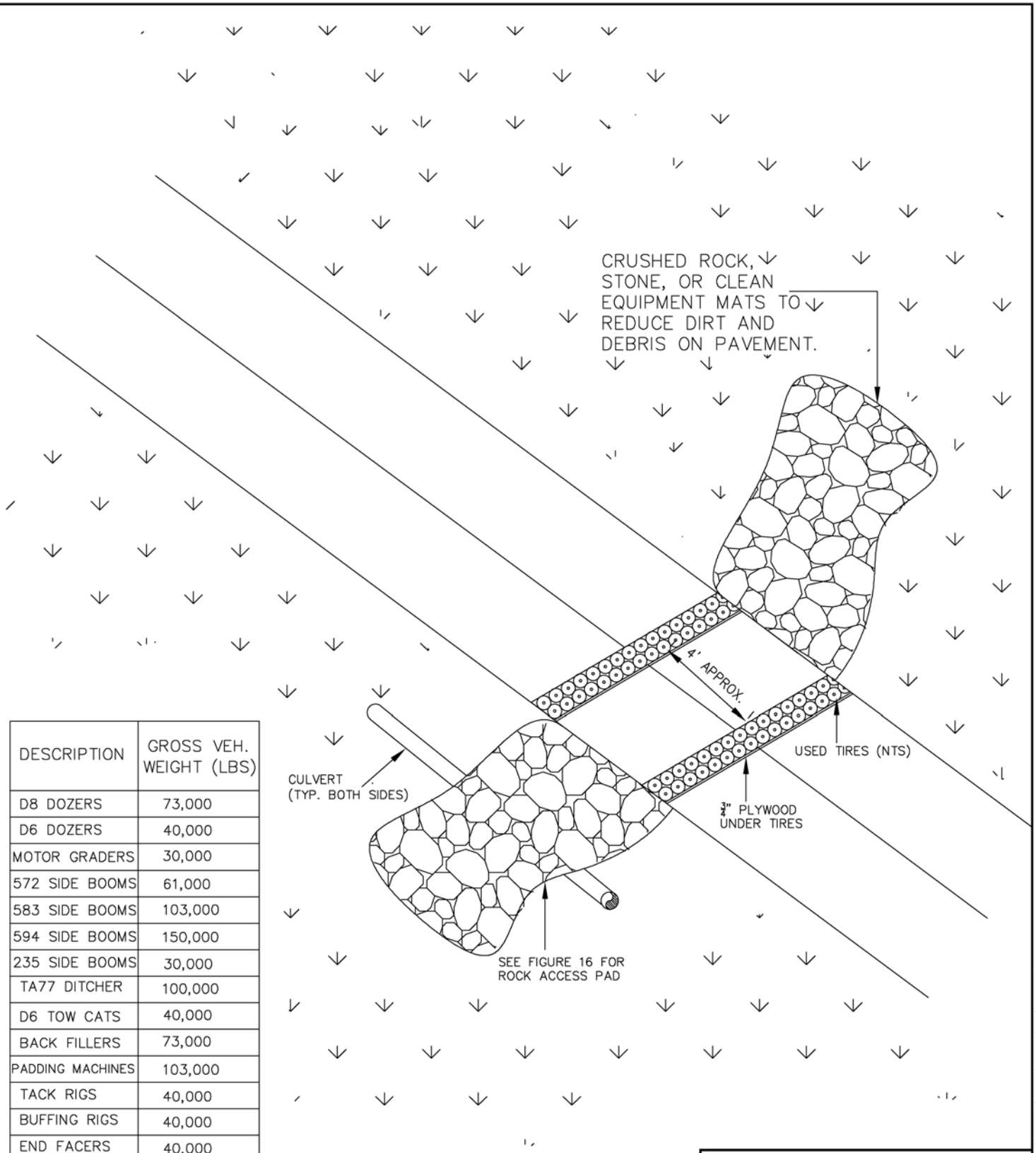

DESCRIPTION	GROSS VEH. WEIGHT (LBS)
D8 DOZERS	73,000
D6 DOZERS	40,000
MOTOR GRADERS	30,000
572 SIDE BOOMS	61,000
583 SIDE BOOMS	103,000
594 SIDE BOOMS	150,000
235 SIDE BOOMS	30,000
TA77 DITCHER	100,000
D6 TOW CATS	40,000
BACK FILLERS	73,000
PADDING MACHINES	103,000
TACK RIGS	40,000
BUFFING RIGS	40,000
END FACERS	40,000

NOTES:

1. ACCESS PADS (ROCK) OR EQUIPMENT MATS MUST BE KEPT FREE OF DIRT AND DEBRIS TO KEEP ROADWAY CLEAN.
2. MATS, ROCK, PLYWOOD AND TIRES MUST BE COMPLETELY REMOVED AND SITE COMPLETELY RESTORED AFTER COMPLETION OF CONSTRUCTION ACTIVITY.
3. REMOVE TIRES AND PLYWOOD BETWEEN EQUIPMENT CROSSINGS ACROSS ROAD ONLY.

BakkenLink Pipeline, LLC

TYPICAL CONSTRUCTION
TRACKED VEHICLE ROAD CROSSING
TECHNIQUE AND PROCEDURE DETAILS

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