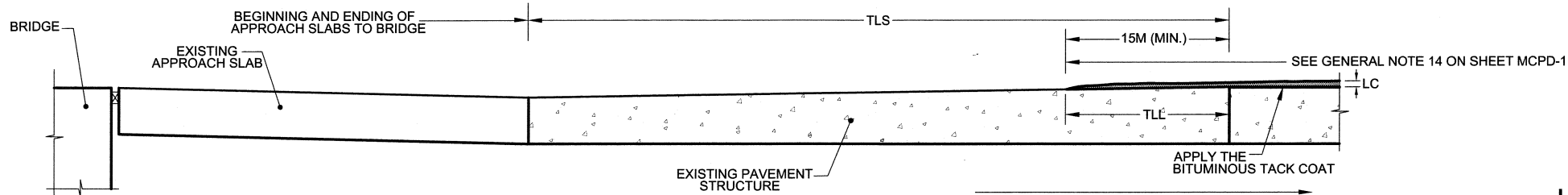
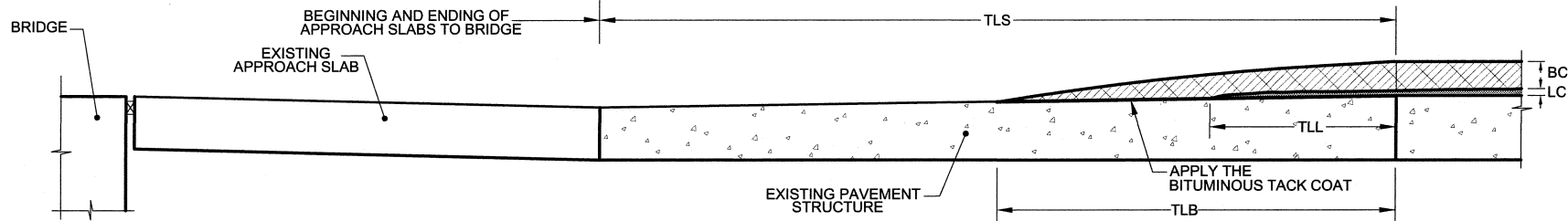


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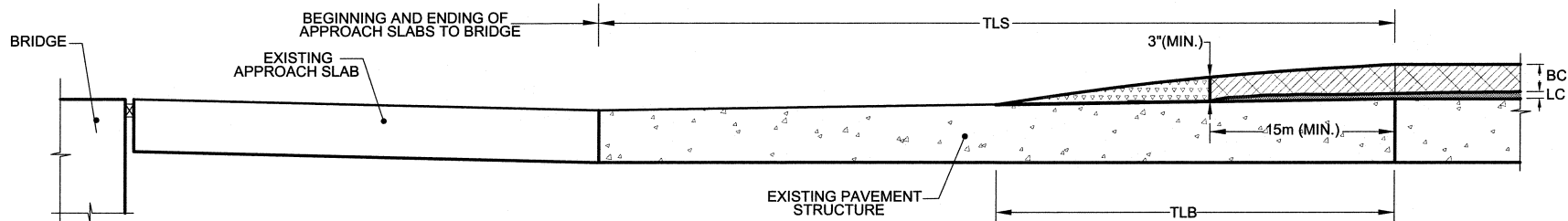
BY	REVISION	DATE	BY	REVISION	DATE	BY	REVISION	DATE	BY	REVISION	DATE	BY	REVISION	DATE



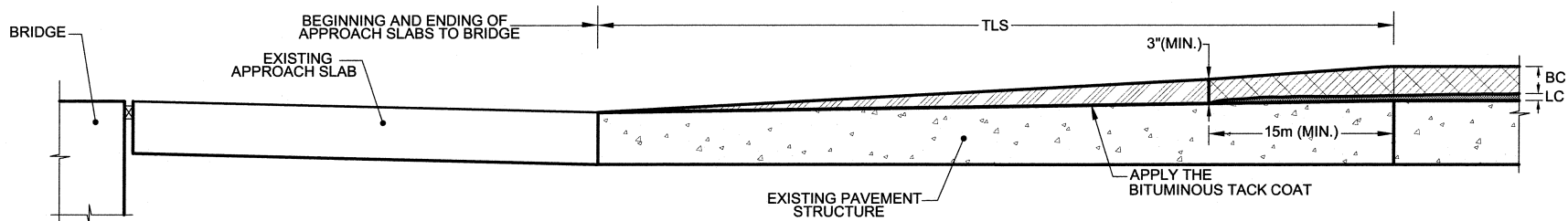
STEP 1: CLEANING THE SURFACE AND PLACING THE BITUMINOUS LEVELING COURSE



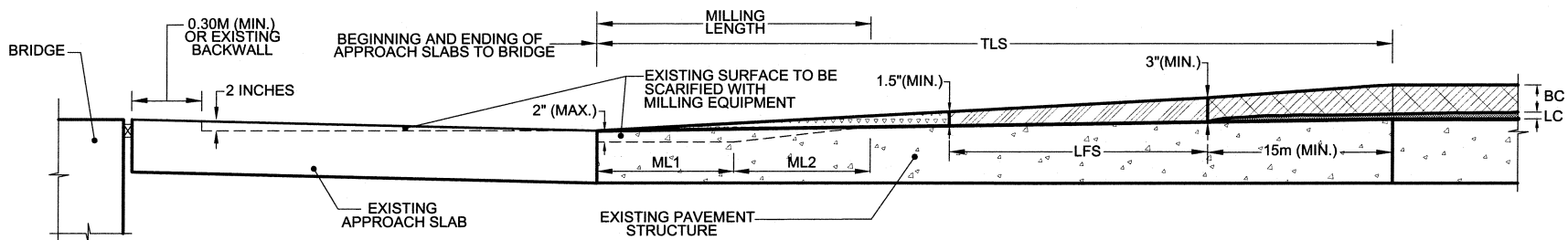
STEP 2: PLACING THE BITUMINOUS BASE COURSE



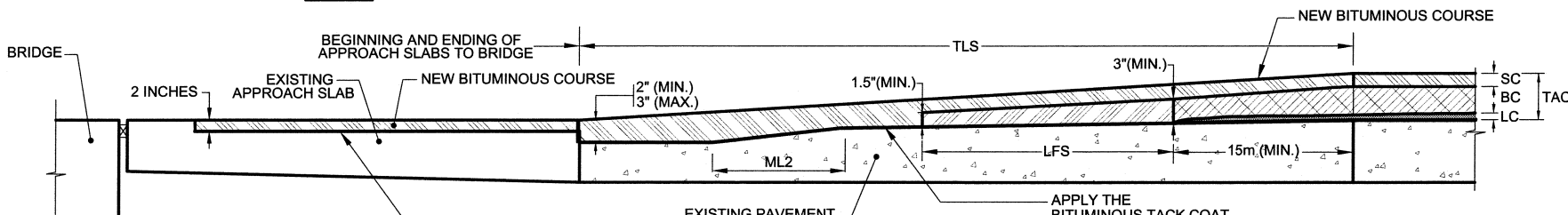
STEP 3: REMOVING THE PARTIAL SECTION OF BITUMINOUS BASE COURSE



STEP 4: PLACING THE FIRST LAYER OF BITUMINOUS SURFACE COURSE



STEP 5: REMOVING THE PARTIAL SECTION OF FIRST LAYER OF BITUMINOUS SURFACE COURSE AND MILLING



STEP 6: PLACING THE SECOND LAYER OF BITUMINOUS SURFACE COURSE

**LEGEND**

- BITUMINOUS LEVELING COURSE (HOT PLANT-MIX BITUMINOUS L-2(75))
- BITUMINOUS BASE COURSE (HOT PLANT-MIX BITUMINOUS B-1(75) OR SPB)
- BITUMINOUS SURFACE COURSE (FIRST LAYER) (HOT PLANT-MIX BITUMINOUS S-1(75) OR SPS)
- BITUMINOUS SURFACE COURSE (SECOND LAYER) (HOT PLANT-MIX BITUMINOUS S-1(75) OR SPS)
- SECTION TO BE REMOVED BEFORE PLACING THE BITUMINOUS COURSE

OVERALL THICKNESS	MINIMUM COURSE THICKNESS			MINIMUM TRANSITION LENGTHS			MINIMUM FIRST LAYER LENGTH	MILLING LENGTH		
	TAC (INCHES)	LC (INCHES)	BC (INCHES)	SC (INCHES)	TLL (METERS)	TLB (METERS)	TLS (METERS)	LFS (METERS)	ML1 (METERS)	ML2 (METERS)
2	N/A	N/A	2	2	0	0	45	N/A	6 [1 SLAB]	6 [1 SLAB]
3	1	N/A	2	2	15	0	55	N/A	6 [1 SLAB]	6 [1 SLAB]
4	2	N/A	2	2	25	0	65	N/A	12 [2 SLABS]	6 [1 SLAB]
5	N/A	3	2	2	0	35	75	30	12 [2 SLABS]	6 [1 SLAB]
6	N/A	4	2	2	0	45	85	35	12 [2 SLABS]	12 [2 SLABS]
7	1	4	2	2	15	55	95	40	12 [2 SLABS]	12 [2 SLABS]

- LEGEND:**
- TAC = THICKNESS OF ALL BITUMINOUS COURSES
  - LC = THICKNESS OF BITUMINOUS LEVELING COURSE
  - BC = THICKNESS OF BITUMINOUS BASE COURSE
  - SC = THICKNESS OF BITUMINOUS SURFACE COURSE
  - TLL = TRANSITION LENGTH OF BITUMINOUS LEVELING COURSE
  - TLB = TRANSITION LENGTH OF BITUMINOUS BASE COURSE
  - TLS = TRANSITION LENGTH OF BITUMINOUS SURFACE COURSE
  - LFS = LENGTH OF FIRST LAYER OF BITUMINOUS SURFACE COURSE
  - ML1 = MILLING LENGTH IN LEVEL SECTION
  - ML2 = MILLING LENGTH IN SLOPED SECTION



COMMONWEALTH OF PUERTO RICO  
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
HIGHWAY AND TRANSPORTATION AUTHORITY

STANDARD DRAWING APPROVED BY:

*[Signature]*  
30.10.10  
ASSISTANT EXECUTIVE DIRECTOR  
FOR INFRASTRUCTURE

MISCELLANEOUS CONCRETE  
PAVEMENT DETAILS  
PLACING SEQUENCE OF  
BITUMINOUS COURSE TYPE 13

MCPD-19

MAY 2010

ENGINEERING STANDARDS OFFICE  
ENGINEERING SERVICES AREA