# **COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF MILITARY AND VETERANS' AFFAIRS ANNVILLE, PENNSYLVANIA**

MAJOR GENERAL MARK J. SHINDLER, THE ADJUTANT GENERAL

# JOSH SHAPIRO, GOVERNOR

## **PROJECT NO.: 42220145 REPAVE ARTILLERY ROAD**

## UNION TOWNSHIP, LEBANON COUNTY, PENNSYLVANIA

DESIGN PROFESSIONALS: OFFICE OF FACILITIES AND ENGINEERING BUREAU OF DESIGN AND PROJECT MANAGEMENT BUILBING 0-10, CHAPEL ROAD, FORT INDIANTOWN GAP ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

## INDEX TO DRAWINGS

G.1.1 COVER SHEET

**GENERAL CONSTRUCTION** 

CIVIL DV	/GS.
C.1.0	SITE PLAN 0+00 TO 6+00
C.1.1	SITE PLAN 6+00 TO 12+00
C.1.2	SITE PLAN 12+00 TO END
C.2.0	DETAILS

### Plan Notes

1. Prior to starting construction, the contractor shall be responsible to make sure that all required permits and approvals have been obtained. No construction or fabrication shall begin until the contractor has received and thoroughly reviewed all plans and other documents approved by all of the permitting authorities.

All work shall be performed in accordance with these plans, specifications and the requirements and standards of the governing authority.

3. The contractor shall be responsible for removing and replacing all soft, yielding or unsuitable materials and replacing with suitable materials.

4. The locations of underground facilities shown on these plans are based on field surveys, and local utility company records. It shall be the contractors responsibility to contact the appropriate utility company. No compensation shall be paid to the contractor for damage and repair to these facilities caused by his work force. All underground utilities must be verified at the time of construction.

5. All dimensions and grades shown on these plans shall be field verified by the contractor prior to construction. Contractor shall notify the construction manager if any discrepancies exist, prior to proceeding with construction for necessary plan or grade changes.

6. Contractor to verify all existing site conditions.

7. PADOT 408 Specifications and Publication 72M details apply

CALL BEFORE YOU DIG! PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL Pennsylvania One Call System, Inc



1-800-242-1776

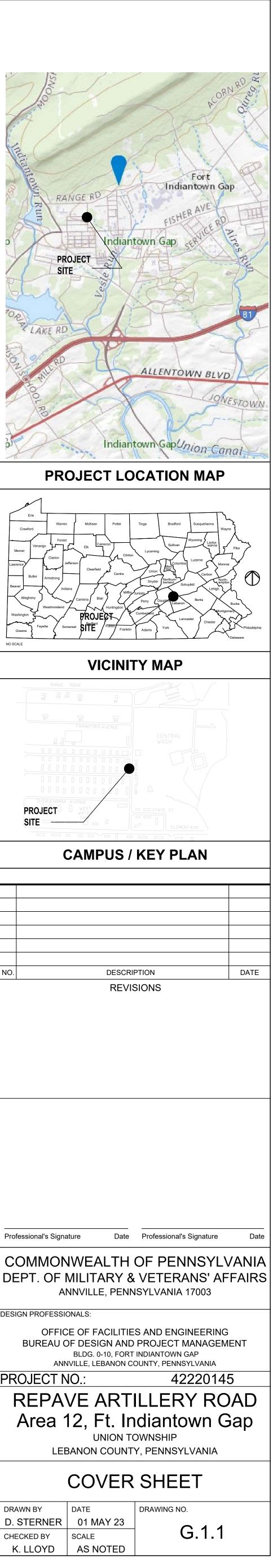
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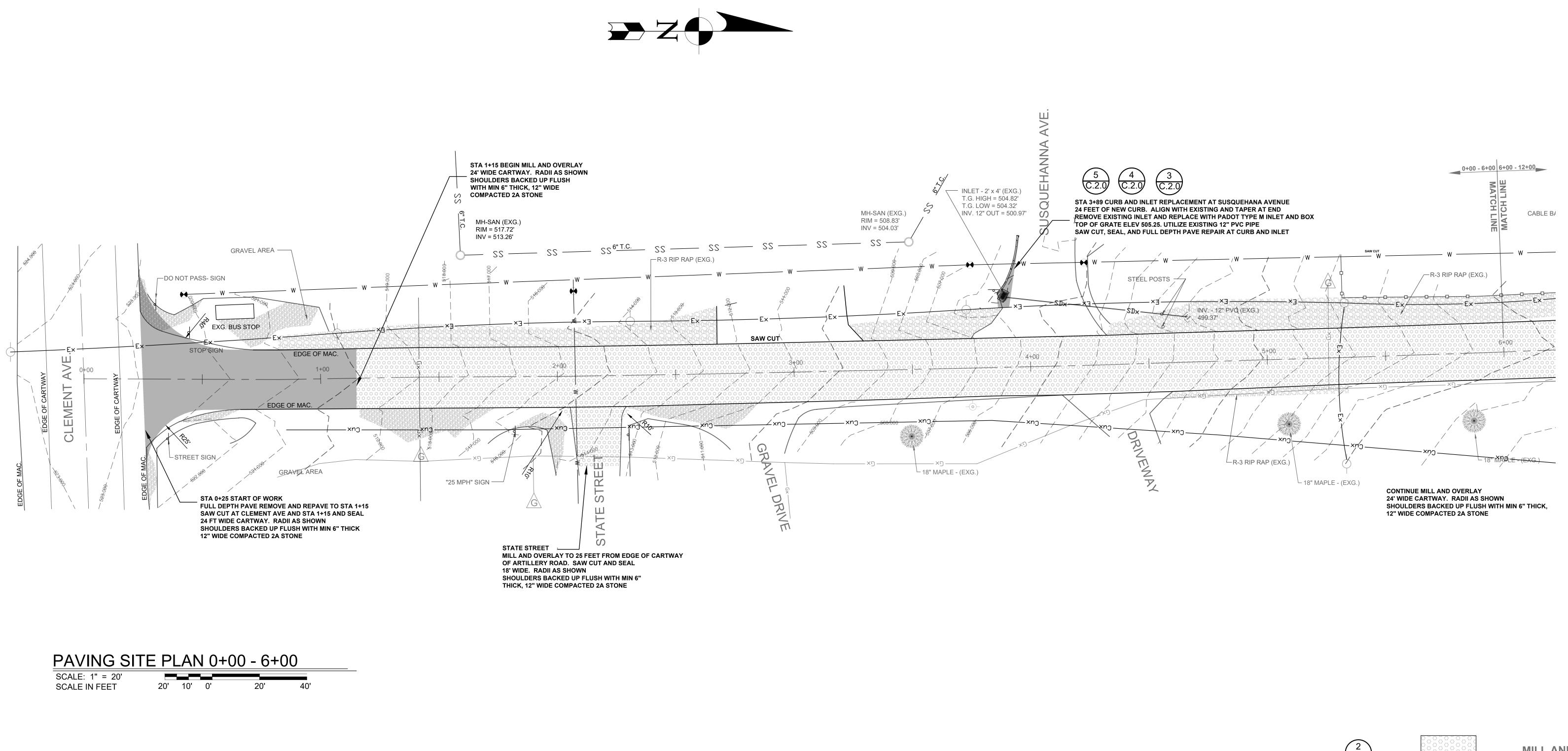
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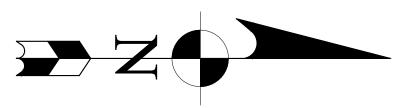
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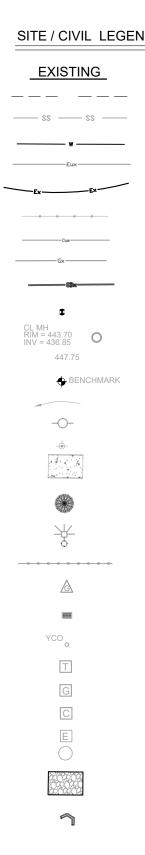


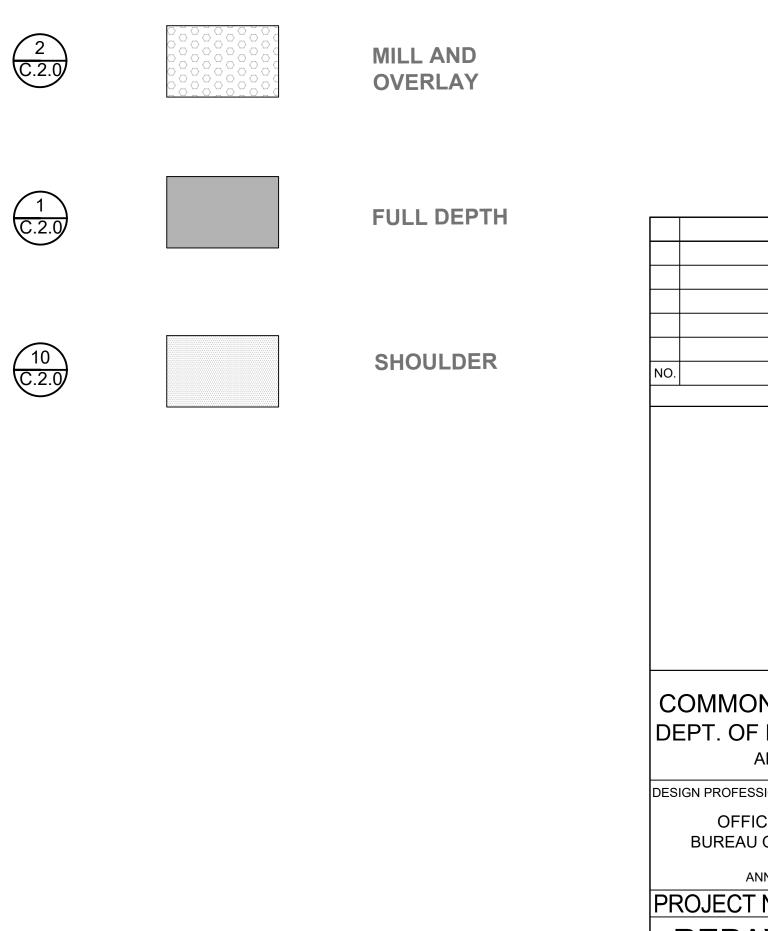
### **GENERAL NOTES**

- 1. THE CONTRACTOR IS REQUIRED TO SUBMIT A REQUEST FOR A DIGGING PERMIT, THROUGH THE DIVISION OF INSTALLATION MANAGEMENT (DIM) 717-861-6224 10 DAYS PRIOR TO STARTING EXCAVATION.
- 2. THE CONTRACTOR/UNIT WILL PROVIDE 3 DAY NOTICE PRIOR TO ALL UTILITY CONNECTIONS. THE CONTRACTOR WILL NOTIFY DIM UPON COMPLETION OF THE CONNECTIONS, BUT PRIOR TO BACKFILLING. THE CONTRACTOR/UNIT WILL NOT BACKFILL ANY UTILITY CONNECTIONS UNTIL A REPRESENTATIVE FROM DIM INSPECTS AND APPROVES THE WORK.
- 3. SURVEY AND REFERENCE DATUM WAS ACQUIRED FROM A GPS/RTK SURVEY COMPLETED ON 21 MARCH 2023, STATE PLANE COORDINATE PA SOUTH, NAD83. FIG MONUMENT #32, NORTHING = 402591.414', EASTING = 2296920.957', ELEVATION = 473.31' (U.S. SURVEY FEET).
- 4. THE DUMP SITE FOR MILLINGS AND REMOVED MATERIALS IS LOCATED AT JOHNSON TRAIL, SOUTH OF RANGE ROAD.









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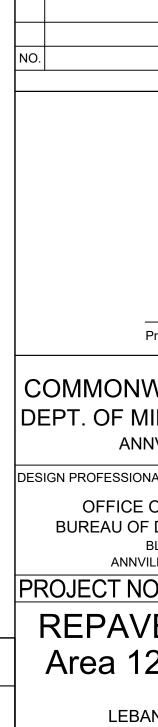
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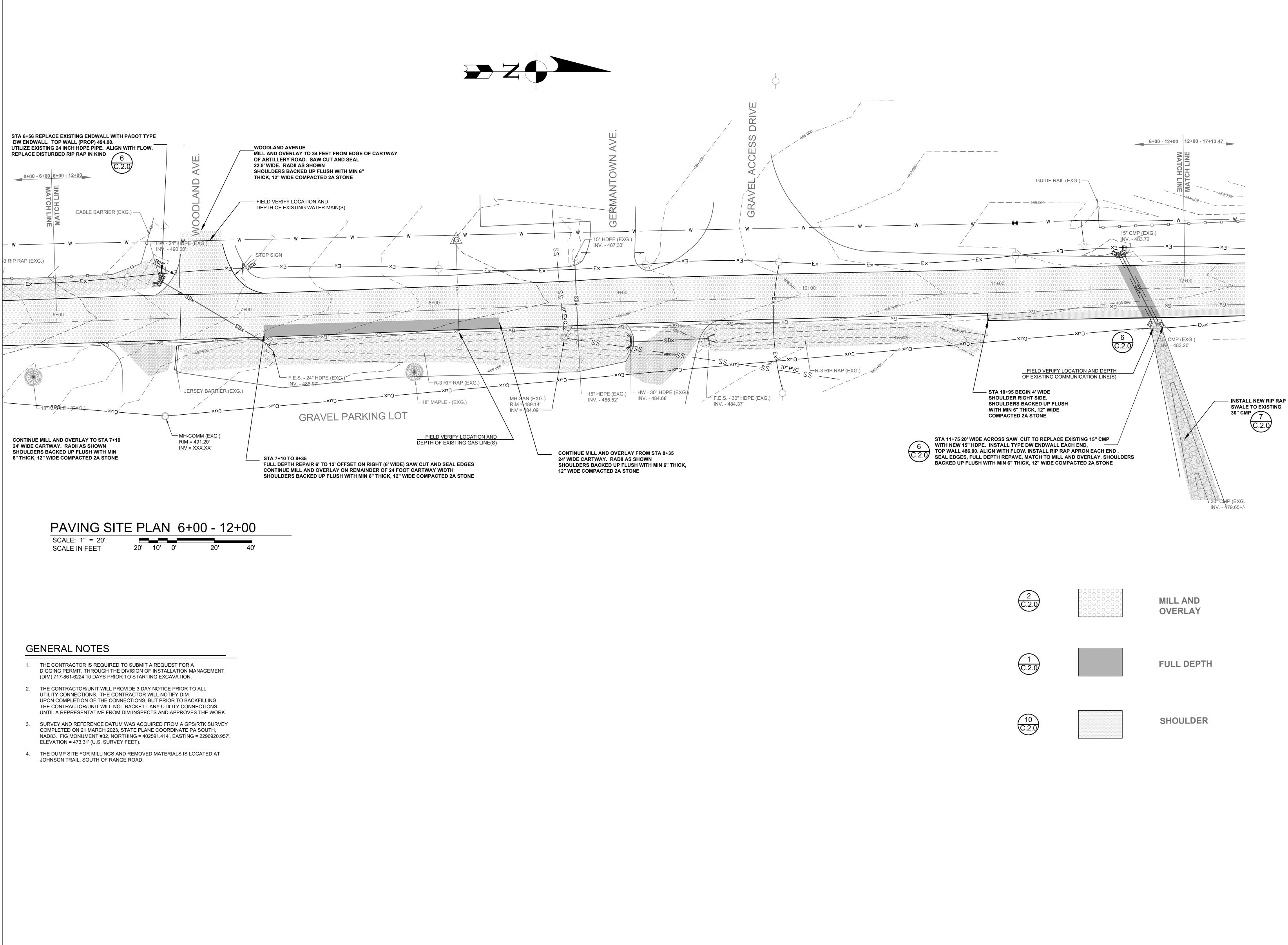
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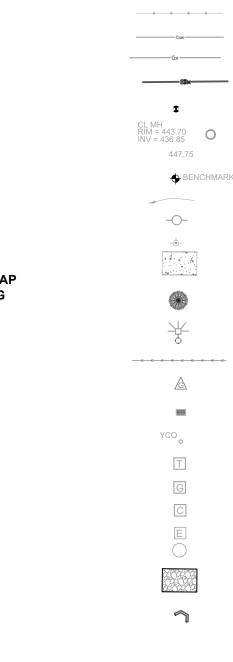


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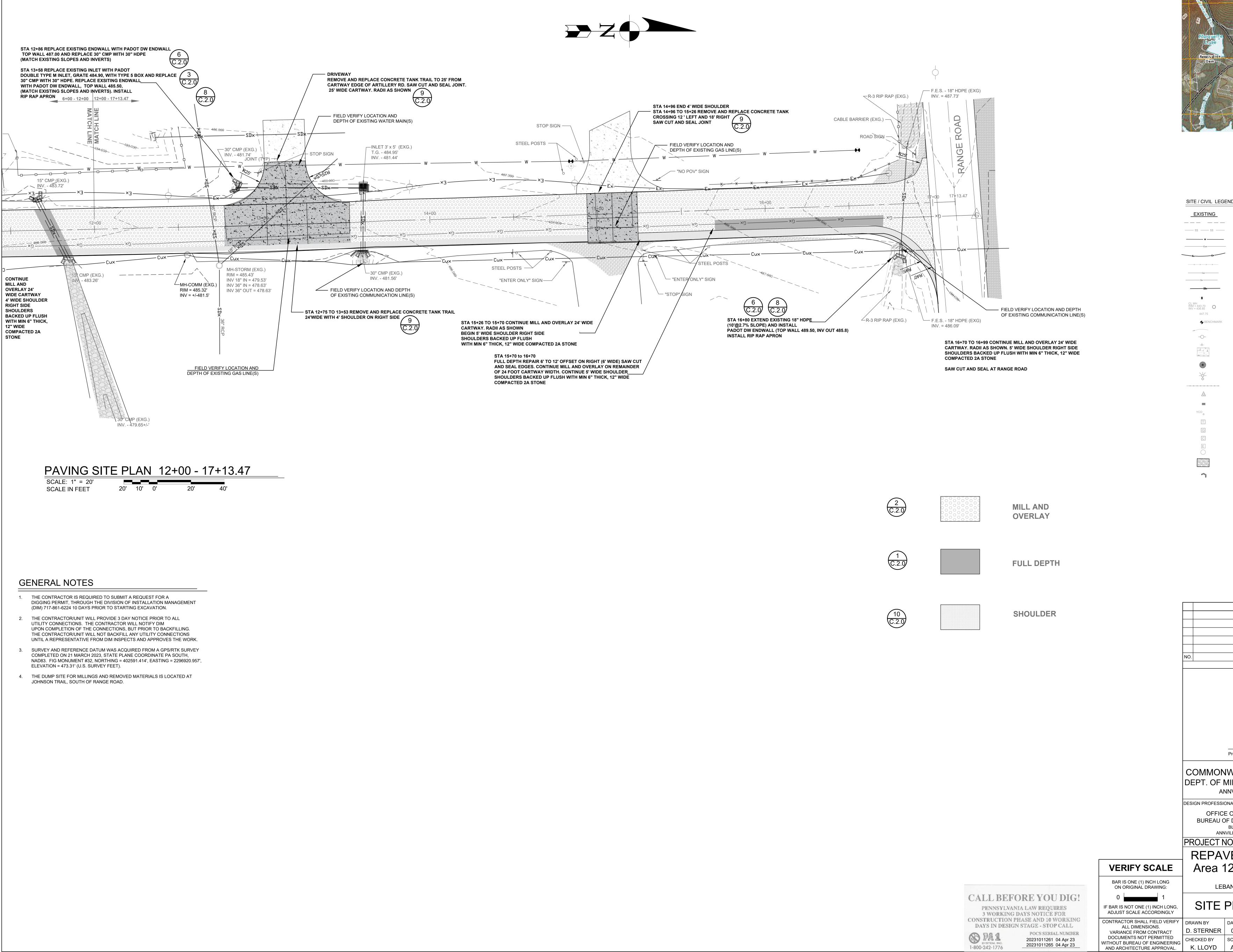
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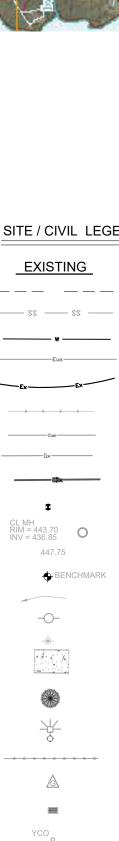




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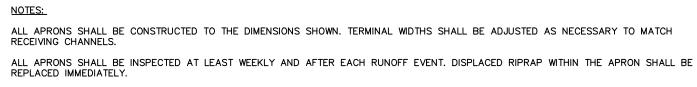


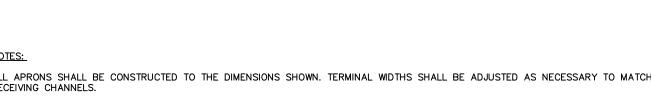


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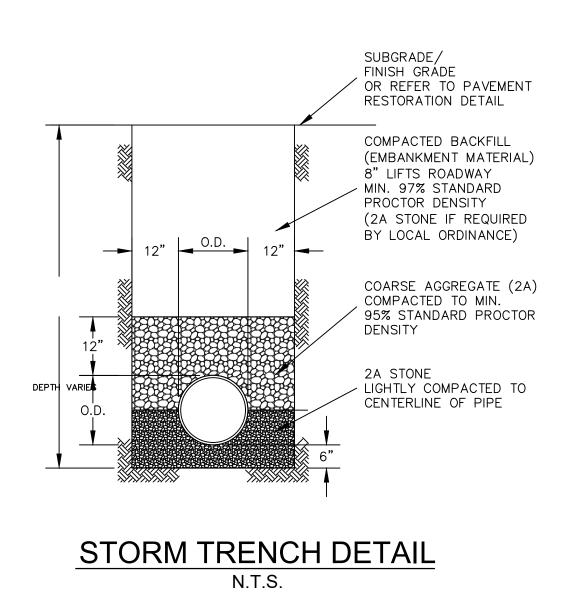
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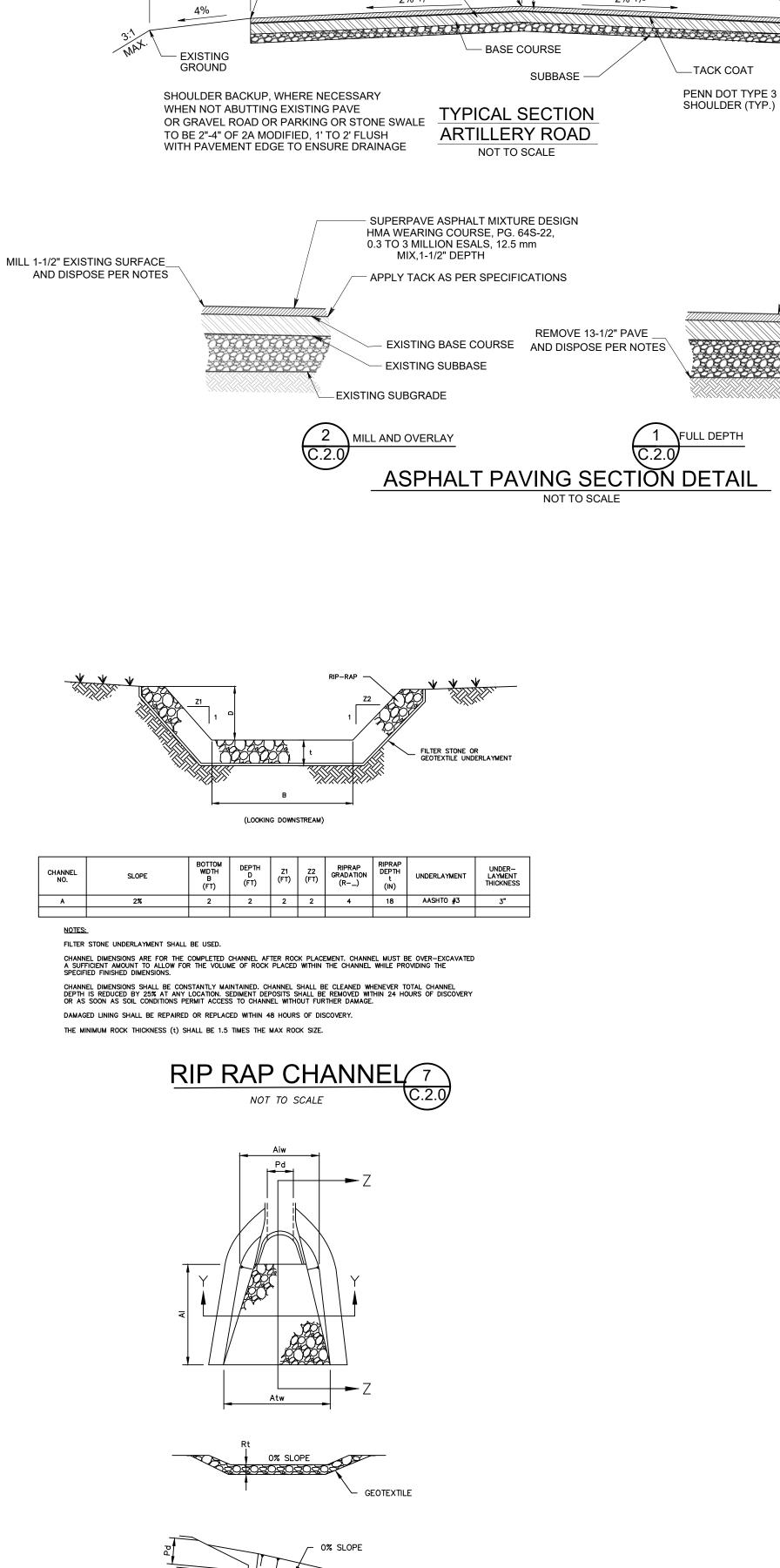
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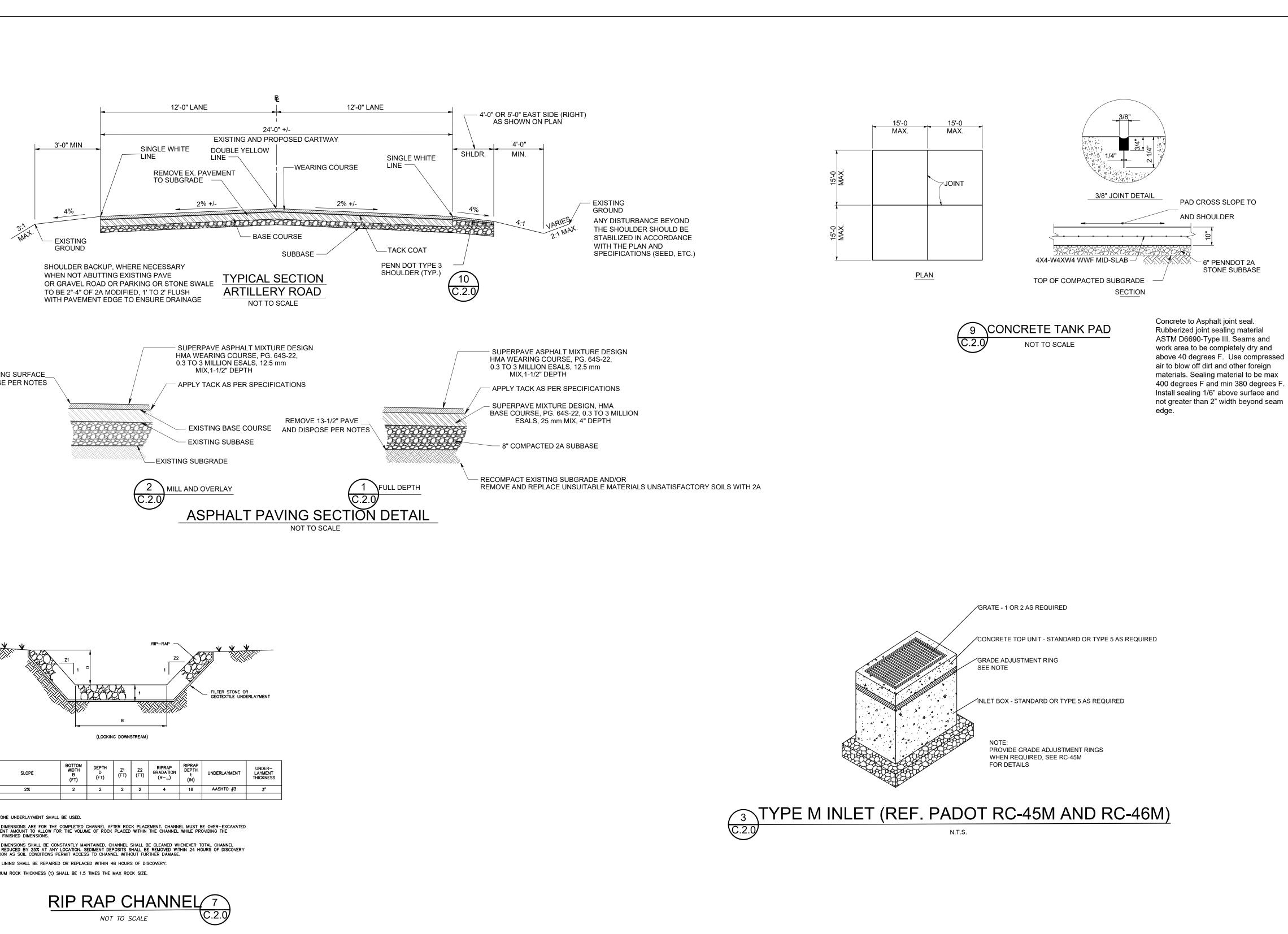
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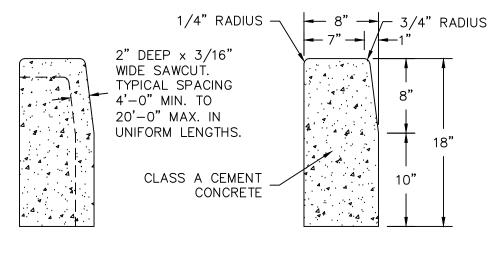
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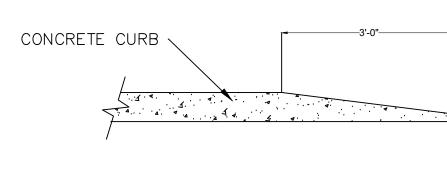




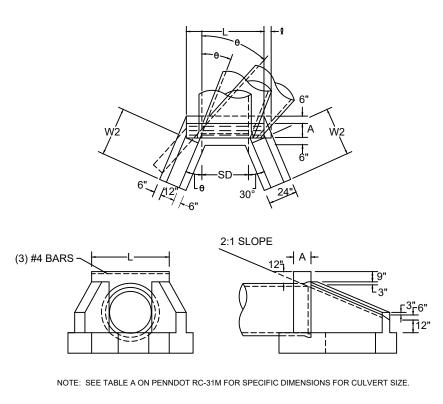












PAD CROSS SLOPE TO

STONE SUBBASE

above 40 degrees F. Use compressed air to blow off dirt and other foreign materials. Sealing material to be max 400 degrees F and min 380 degrees F. Install sealing 1/6" above surface and

6 TYPE D-W ENDWALL (REF. PADOT RC-31M) C.2.0 N.T.S.

#### Permanent Seeding

Permanent seeding shall take place in all disturbed areas as follows:

**Fertilization:** The following shall be spread and worked into the topsoil to a depth of 3 to 4 inches.

> Agricultural Lime - 275 pounds per 1,000 square feet Fertilizer - 25 pounds per 1,000 square feet

The fertilizer shall be a commercial type 10-20-20.

**Note:** If agricultural lime and fertilizer have been applied previously to the ground where the permanent seed is to be applied, the lime and fertilizer rates shall be reduced by the amount by what has been applied previously.

**Permanent Seed Mixture:** The following seed mixtures shall be applied as follows:

TEMPORARY SEEDING

PADOT Formula E - Annual Ryegrass (Lolium multiflorum) 88.2% PLS, 48 lbs/ac

Seeding dates Mar 15 to Oct 15

PERMANENT SEEDING

PADOT Formula B - Perennial ryegrass 88.2% PLS, 20 lbs/ac Creeping Red Fescue 83.3% PLS, 29 lbs/ac Kentucky Bluegrass mix, 78.4% PLS, 53 lbs/ac

Seeding dates Mar 15 to Jun 1 and Aug 1 to Oct 15

PERMANENT SEEDING - STEEP SLOPES

PADOT Formula D - Tall fescue, 88.3% PLS, 73 lbs/ac Creeping red fescue, 88.3% PLS, 29 lbs/ac

(Ref. Penn State Agronomy Guide and PADOT Publication 408)

\*All mixtures given above are for PLS - Pure Live Seed 100%. To calculate PLS, the percentage of pure seed is multiplied by the percentage of germination, and the product is divided by 100. (85% pure seed x 72% germination) divided by 100 = 61% PLS. To determine how much seed to plant, divide the percentage into 100. Example: 100 divided by 61 = 1.63. Thus, every pound of seed mixture called for should then be 1.63 lbs.

Mulch: Apply mulch to all permanently seeded areas.

Materials: Straw, air-dried and free from undesirable seeds and course materials.

Application: 140 pounds per 1,000 square feet.

#### **Final Stabilization and Maintenence**

An area shall be considered to have achieved final stabilization when it has a minimum of 70% uniform perennial vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated surface erosion and subsurface characteristics sufficient to resist sliding or other movements.

Revegetation shall occur immediately after completion of the final grading. Should conditions prohibit permanent revegetation efforts, the area will be temporarily stabilized through the use of quick-growing grasses, nylon erosion control mats or similar measures. The Contractor shall be responsible for the permanent stabilization of all areas exposed or disturbed during the Project.

The contractor shall maintain all temporary erosion and sedimentation control facilities in good condition until establishment of ground cover over tributary areas. This will include cleaning and, if required, repair of any filter fabric fence which may become torn, and seeding of eroded areas, as necessary.

Permanent erosion control measures will not require maintenance other than lawn mowing.

Permanent erosion and sedimentation control measures will become the responsibility of the State Reservation Maintenance personnel upon completion of all aspects of the Project.

	NO. DESCRIPTION REVISIONS	DATE
	Professional's Signature Date	
	COMMONWEALTH OF PENNSYLV DEPT. OF MILITARY & VETERAN'S AF ANNVILLE, PENNSYLVANIA 17003	
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#### **CALL BEFORE YOU DIG!** PENNSYLVANIA LAW REQUIRES **3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING** DAYS IN DESIGN STAGE - STOP CALL POCS SERIAL NUMBER SYSTEM, INC. 20231011261 04 Apr 23 20231011265 04 Apr 23 1-800-242-1776

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