

# TOWN OF TAYLORSVILLE WBS-44304 COMMERCIAL PARK AVE & INDUSTRIAL BLVD REHABILITATION ALEXANDER COUNTY, NORTH CAROLINA

405 South Sterling Street  
Morganton, NC 28655  
(828) 433-5661



### 1) GROUND STABILIZATION\*

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7-DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)

\*EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE. (SECTION II.(2)(B))

### 2) BUILDING WASTE HANDLING

- NO PAINT OR LIQUID WASTES IN STREAM OR STORM DRAINS
- DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE.
- EARTHEN-MATERIAL STOCKPILES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE.
- CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS, OR BUFFERS.

### 3) DISCHARGES TO FEDERALLY-LISTED WATERS

- REQUIREMENTS ARE THE SAME AS IN PREVIOUS PERMIT.
- THE PERMIT ALLOWS REDUCTION FROM THE 20 ACRE MINIMUM IF THE DIRECTOR OF DWQ DETERMINES THAT OTHER BMPs PROVIDE EQUIVALENT PROTECTION.

### 4) INSPECTIONS

- SAME WEEKLY INSPECTION REQUIREMENTS
- SAME RAIN GAUGE & INSPECTIONS AFTER 0.5" RAIN EVENT
- INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUSINESS HOURS"
- INSPECTION REPORTS MUST BE AVAILABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIFIC EXEMPTION IS APPROVED.
- RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE UPON REQUEST.
- ELECTRONICALLY-AVAILABLE RECORDS MAY BE SUBSTITUTED UNDER CERTAIN CONDITIONS.

### 5) IMPLEMENTATION OF NEW PERMIT CONDITIONS

- PROJECTS PERMITTED UNDER THE PREVIOUS PERMIT CAN CONTINUE TO FOLLOW THE PREVIOUSLY PERMITTED CONDITIONS.
- COMPLETE APPLICATIONS RECEIVED PRIOR TO AUGUST 3, 2011 CAN FOLLOW CONDITIONS OF APPROVED APPLICATION.
- APPLICATIONS RECEIVED AFTER AUGUST 2, 2011 MUST COMPLY WITH NEW PERMIT CONDITIONS

### 6) CONDITIONS IN EROSION & SEDIMENTATION CONTROL PLANS\*

- DESIGNATION ON THE PLANS WHERE THE 7 AND 14-DAY GROUND STABILIZATION REQUIREMENTS OF THE NPDES PERMIT APPLY
- DESIGNATION ON THE PLANS WHERE BASINS THAT COMPLY WITH THE SURFACE-WITHDRAWAL REQUIREMENTS OF THE NPDES PERMIT ARE LOCATED.

### 7) BUILDING WASTES HANDLING

- NO PAINT OR LIQUID WASTES IN STREAM OR STORM DRAINS
- DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES ARE AVAILABLE.
- EARTHEN-MATERIAL STOCKPILES LOCATED 50' FROM STORM DRAINS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE.
- CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS, OR BUFFERS.

### 8) SEDIMENT BASINS

- OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACE UNLESS DRAINAGE AREA IS LESS THAN 1 ACRE.
- USE ONLY DWQ-APPROVED FLOCCULANTS.

THE FOLLOWING ROADWAY ENGLISH STANDARDS APPEAR IN "ROADWAY STANDARD DRAWINGS"—ROADWAY DESIGN UNIT—N.C. DEPARTMENT OF TRANSPORTATION—RALEIGH, N.C., DATED JANUARY, 2012, AND THE LATEST REVISION THERETO ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE ARE HEREBY CONSIDERED PART OF THE PLANS

### NCDOT DRAWING STANDARDS

848. 01	CONCRETE SIDEWALK
848. 02	DRIVEWAY TURNOUT
848. 03	DRIVEWAY TURNOUT
848. 05	CURB RAMP
848. 06	CURB RAMP
1101. 01	WORK ZONE ADVANCE WARNING SIGNS
1101. 02	TEMPORARY LANE CLOSURES
1205. 01	PAVEMENT MARKINGS
1205. 07	PAVEMENT MARKINGS (STANDARD CROSSWALKS)

### GRADING SCHEDULE:

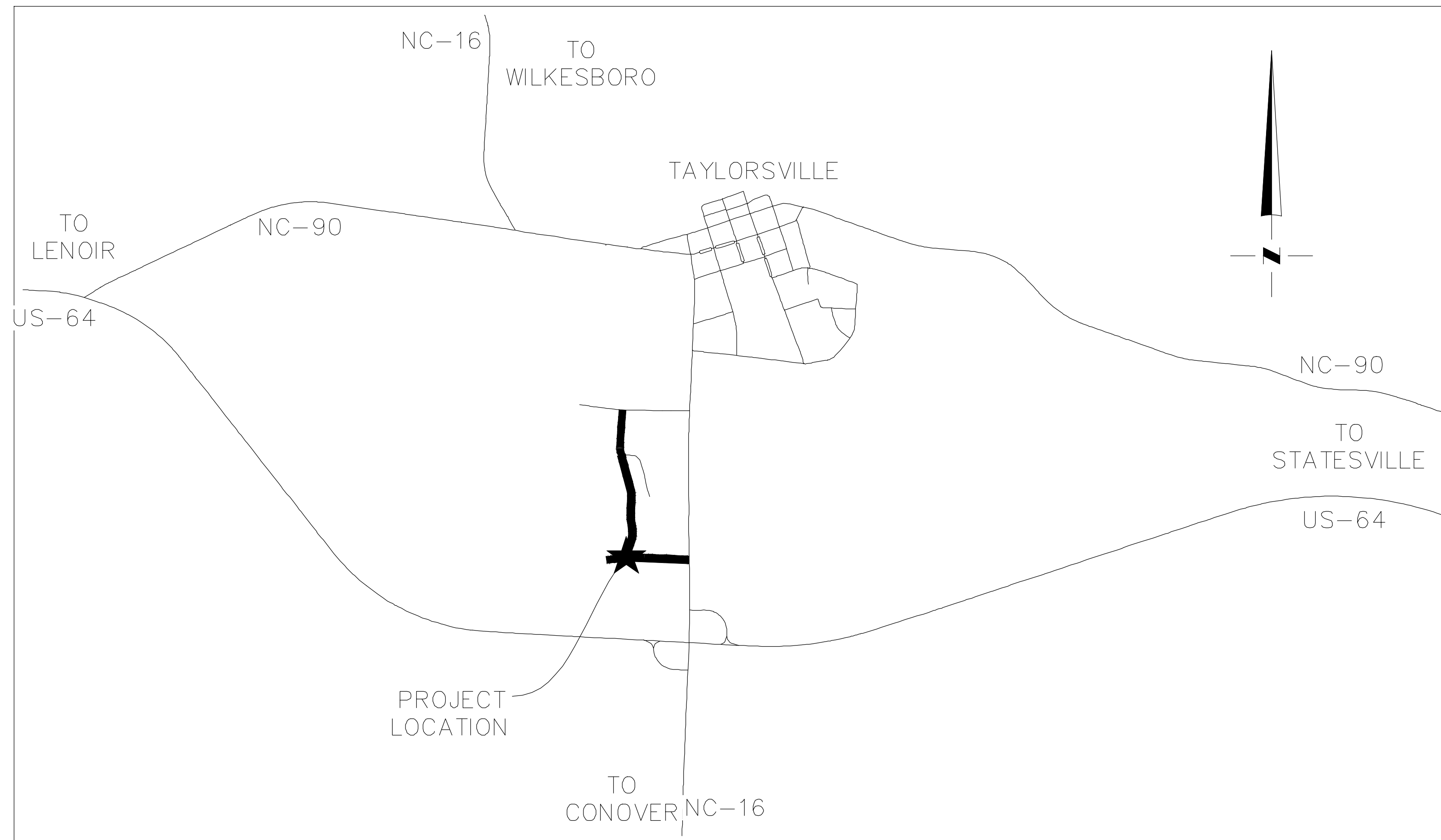
ESTIMATED IMPORT SOIL VOLUME = 100 CUBIC YARDS  
ESTIMATED CLEARING AND GRUBBING AREA = 0.65 ACRES.

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Know what's below.  
Call before you dig.



VICINITY MAP  
NTS

### PLAN LEGEND:

	EXISTING RIGHT OF WAY
	EXISTING EASEMENT
	EXISTING OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	EXISTING SANITARY SEWER
	EXISTING WATER METER/VALVE
	EXISTING WATER LINE
	PROPERTY LINE
	EXISTING CATCH BASIN
	EXISTING STORM DRAIN
	EXISTING FENCE
	STRAW WATTLE PERIMETER PROTECTION
	EXISTING GAS LINE
	EXISTING FIBER OPTIC
	EXISTING TELEPHONE

### GRADING NOTE:

THE ESTIMATED IMPORT SOIL VOLUME IS 100 CY AND THE ESTIMATED CLEARING AND GRUBBING AREA IS 0.65 AC.

NCDOT LEVEL III DESIGNER  
TODD J. POTEET, PE CERT. NUMBER: 3701  
EXPIRES: DECEMBER 31, 2017

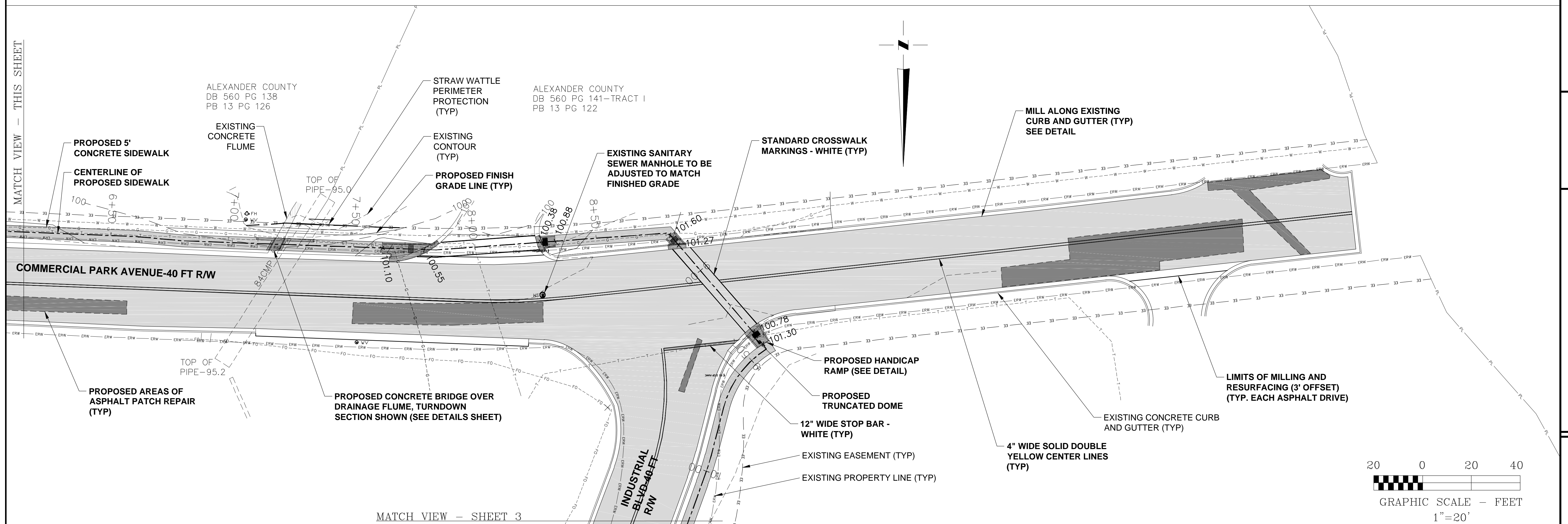
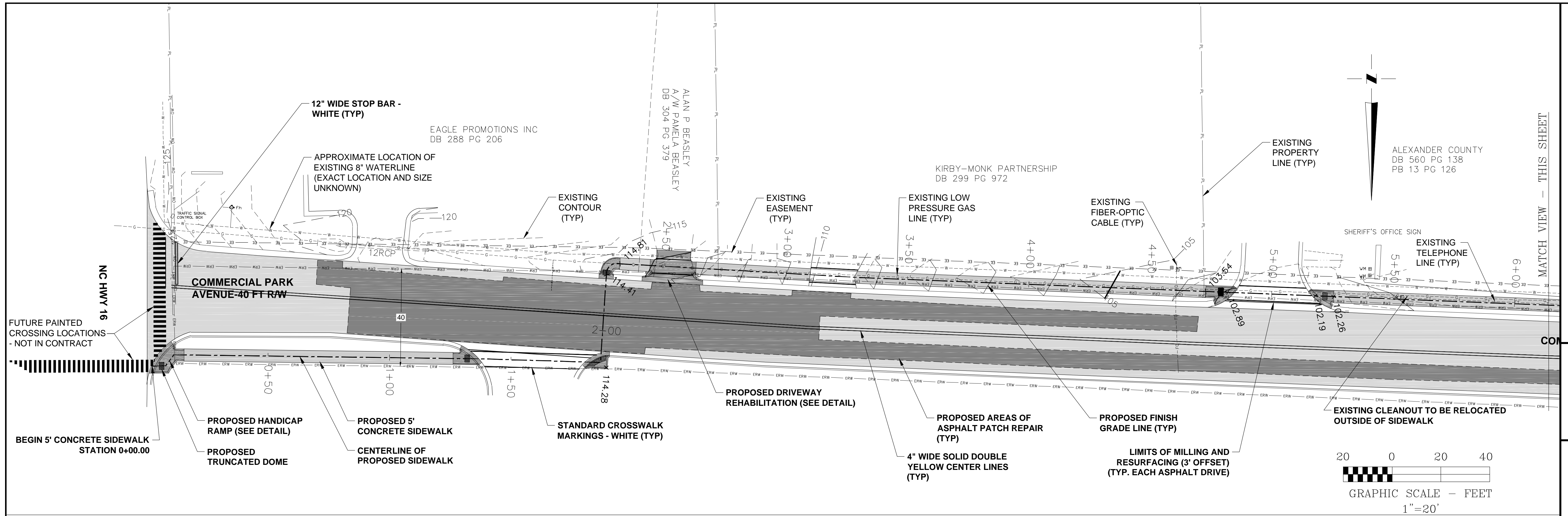
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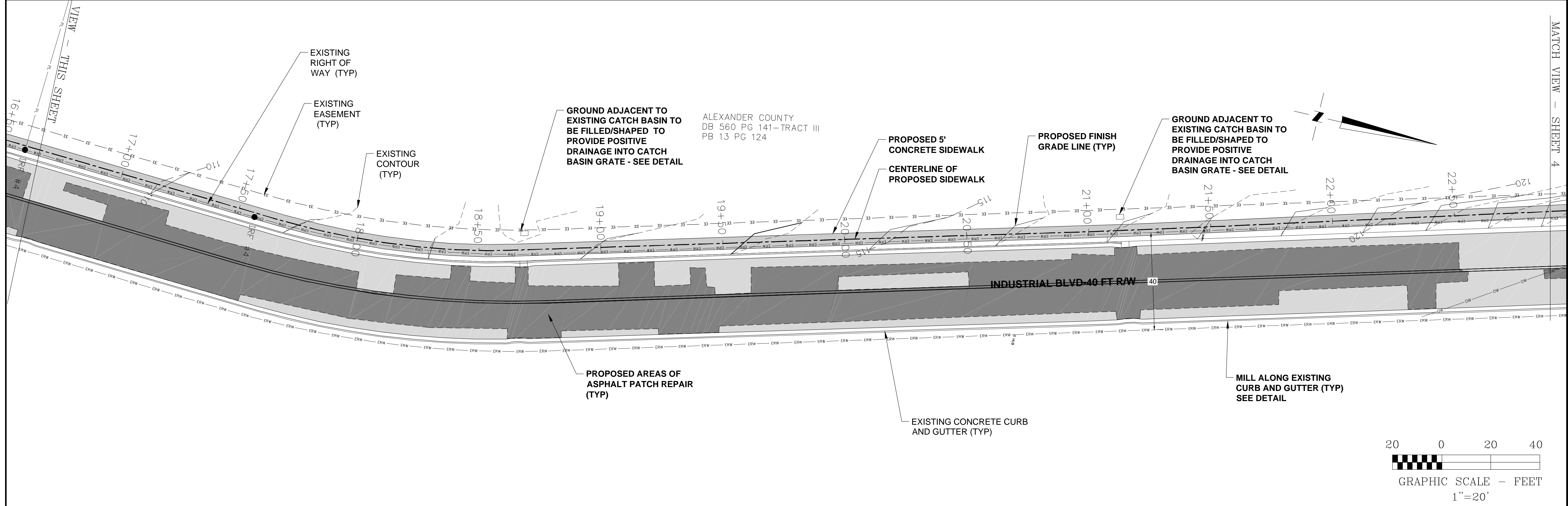
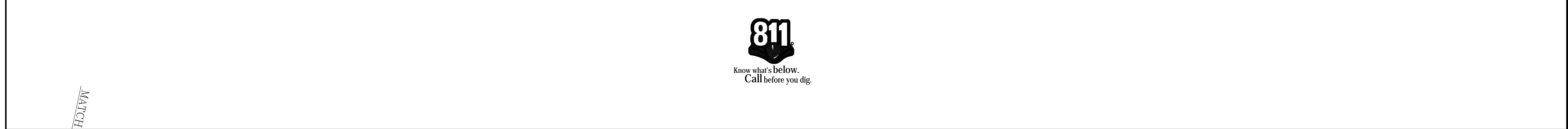
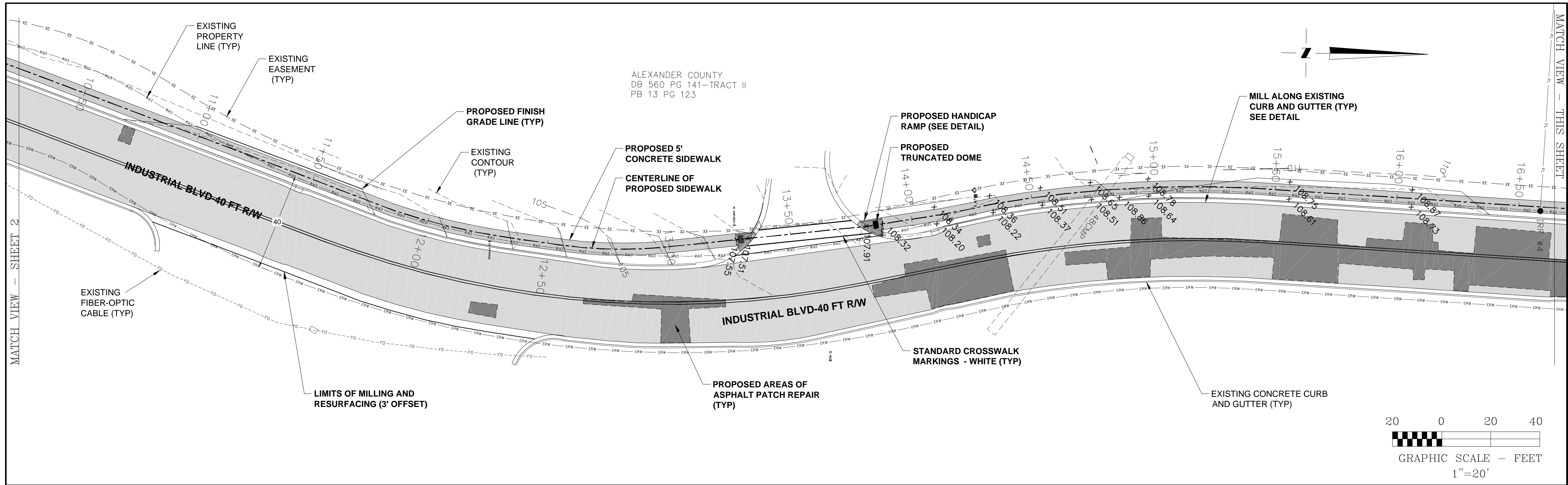
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REVISION:

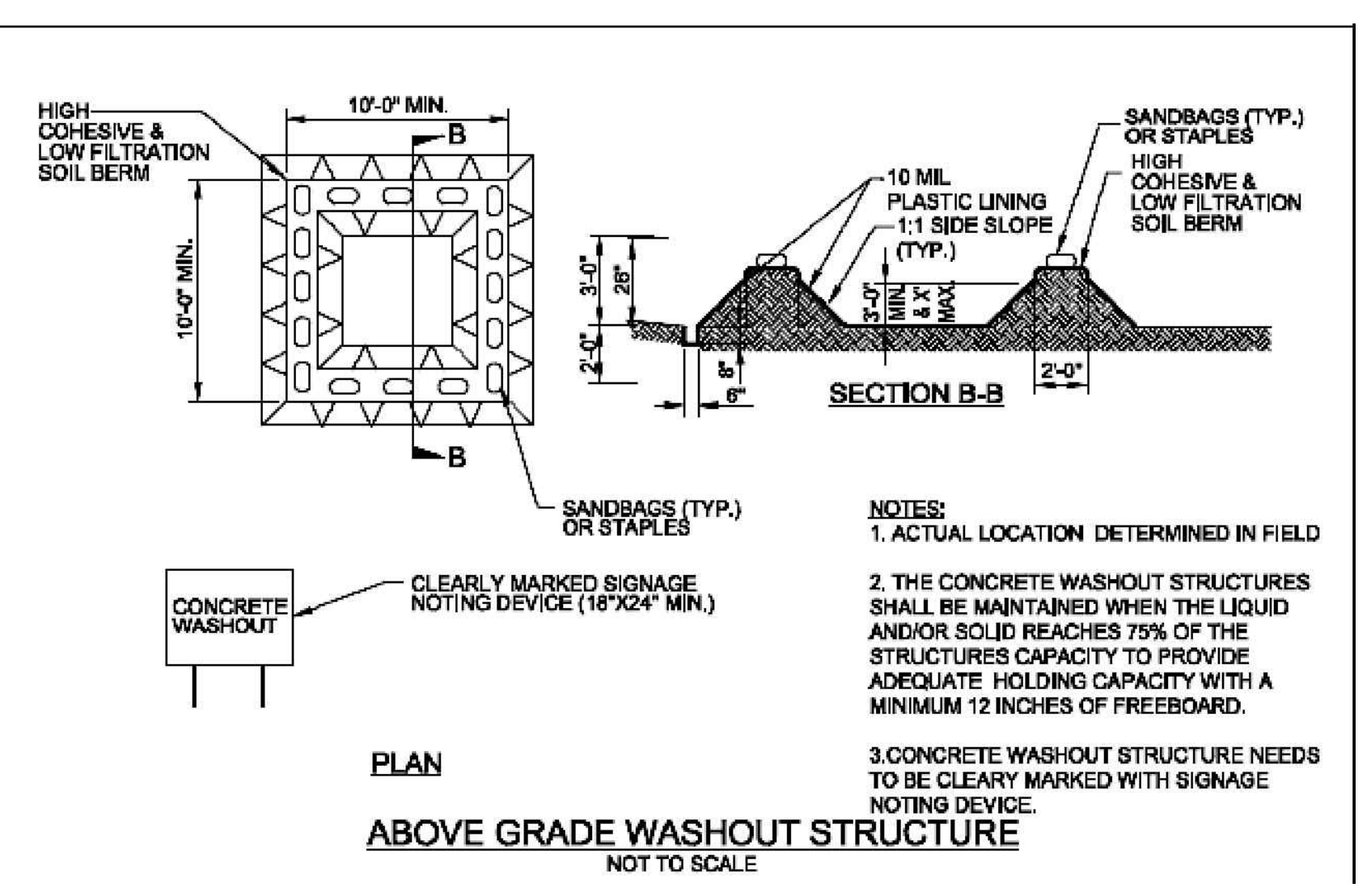
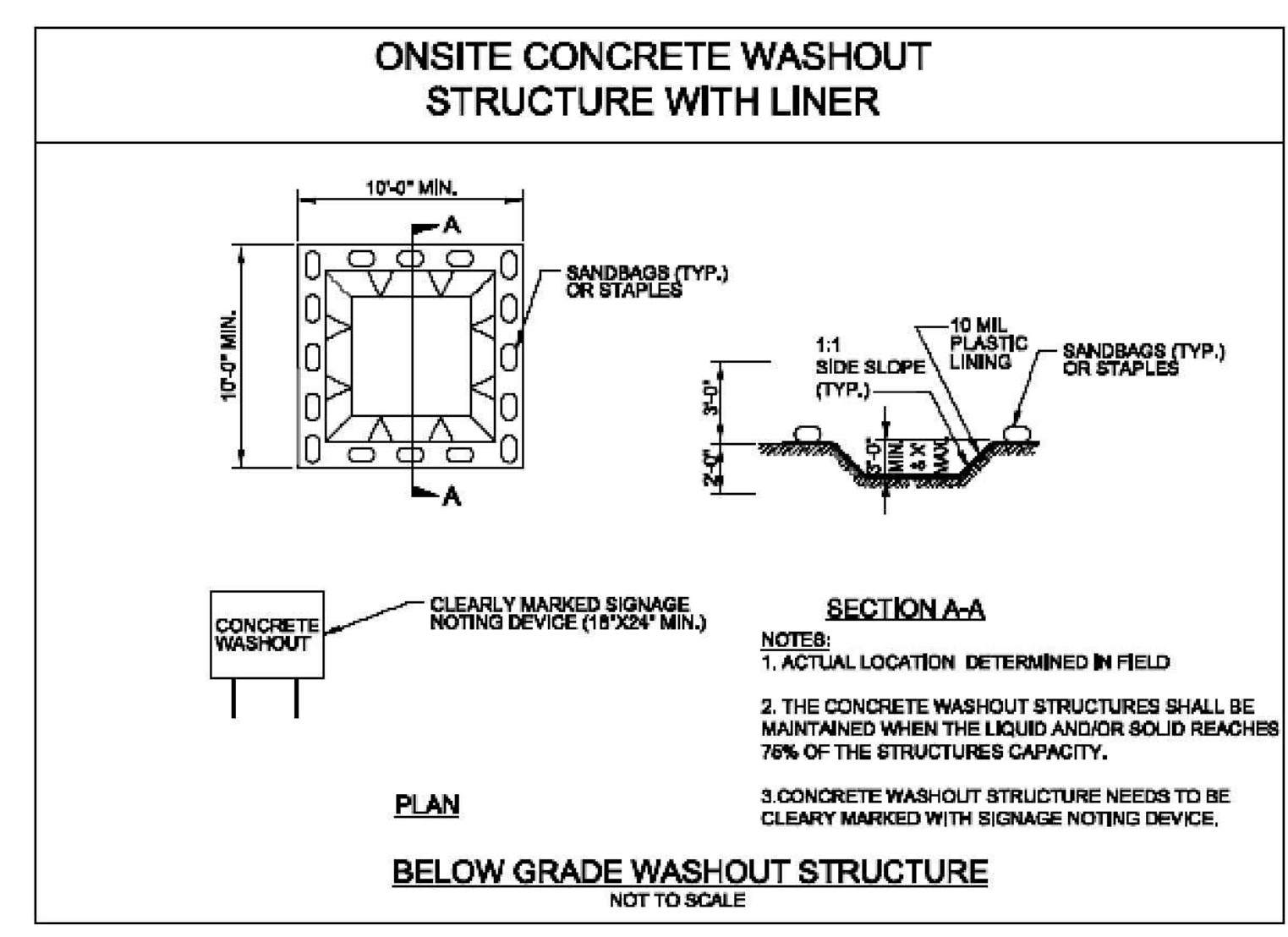
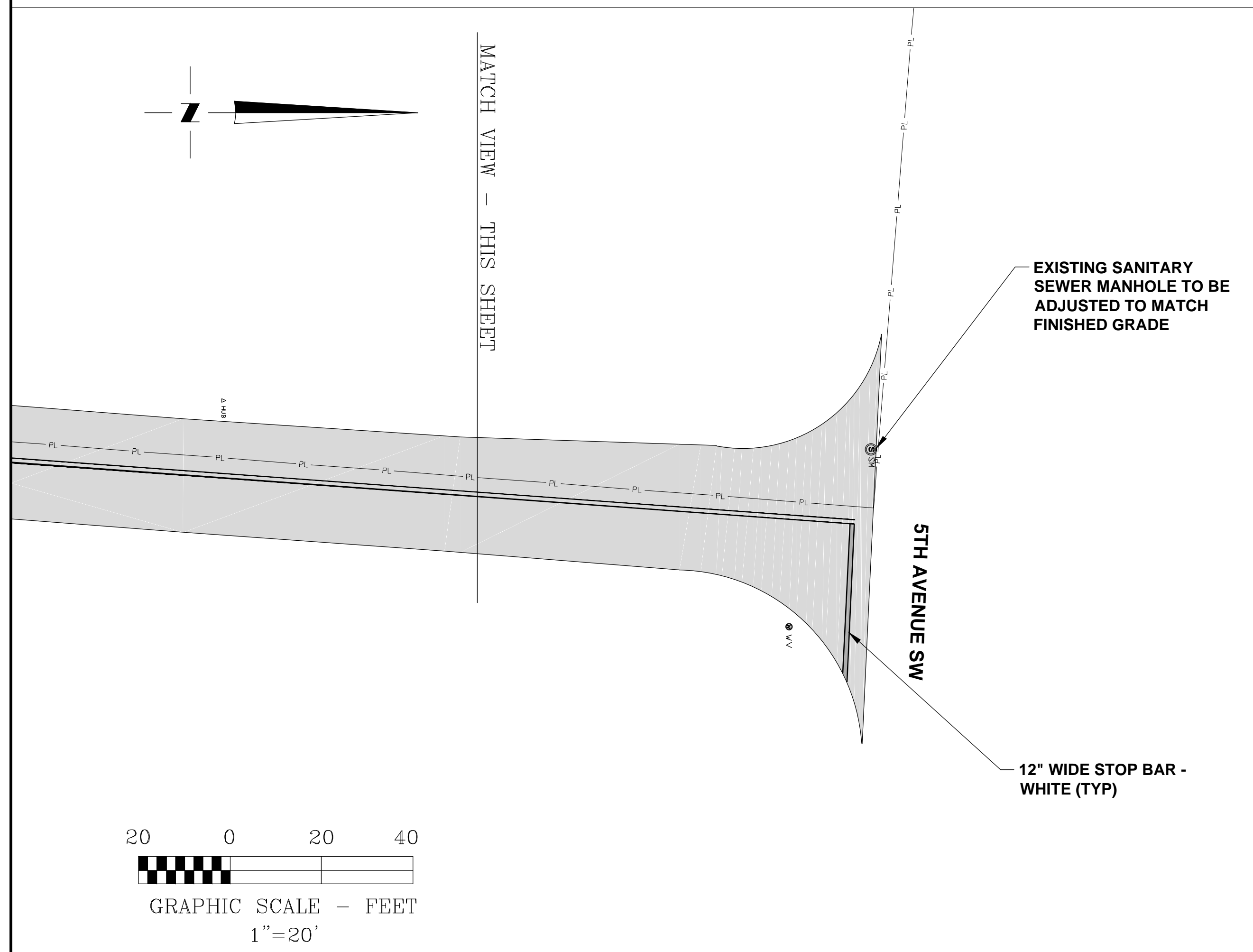
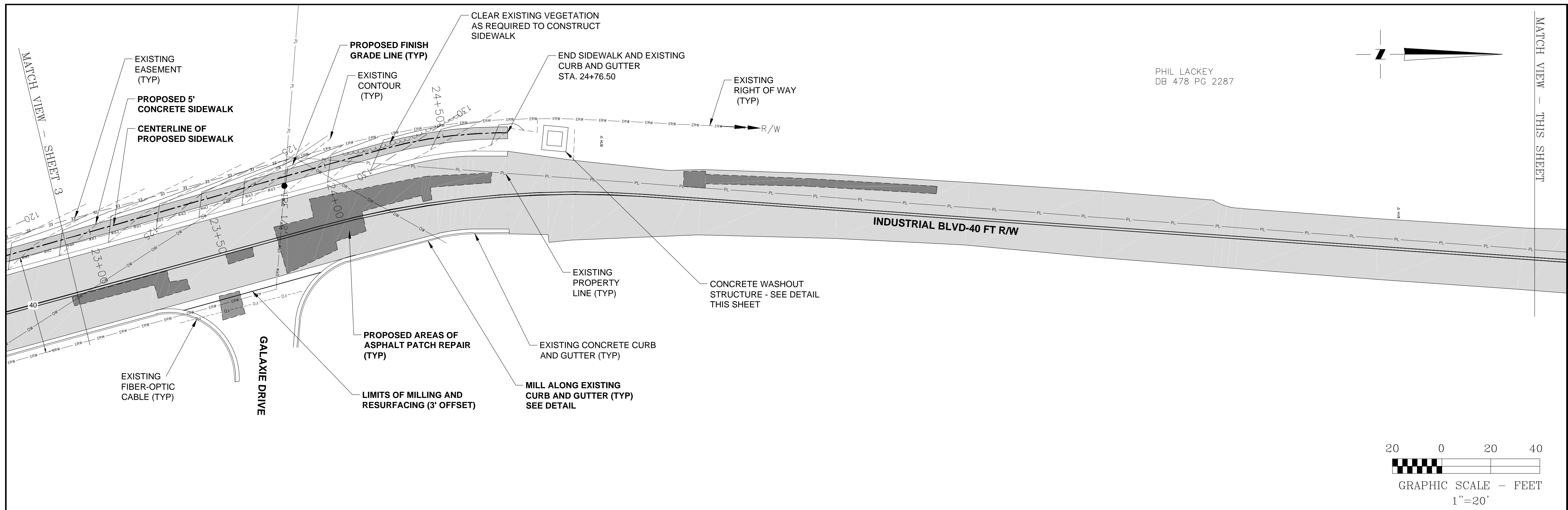
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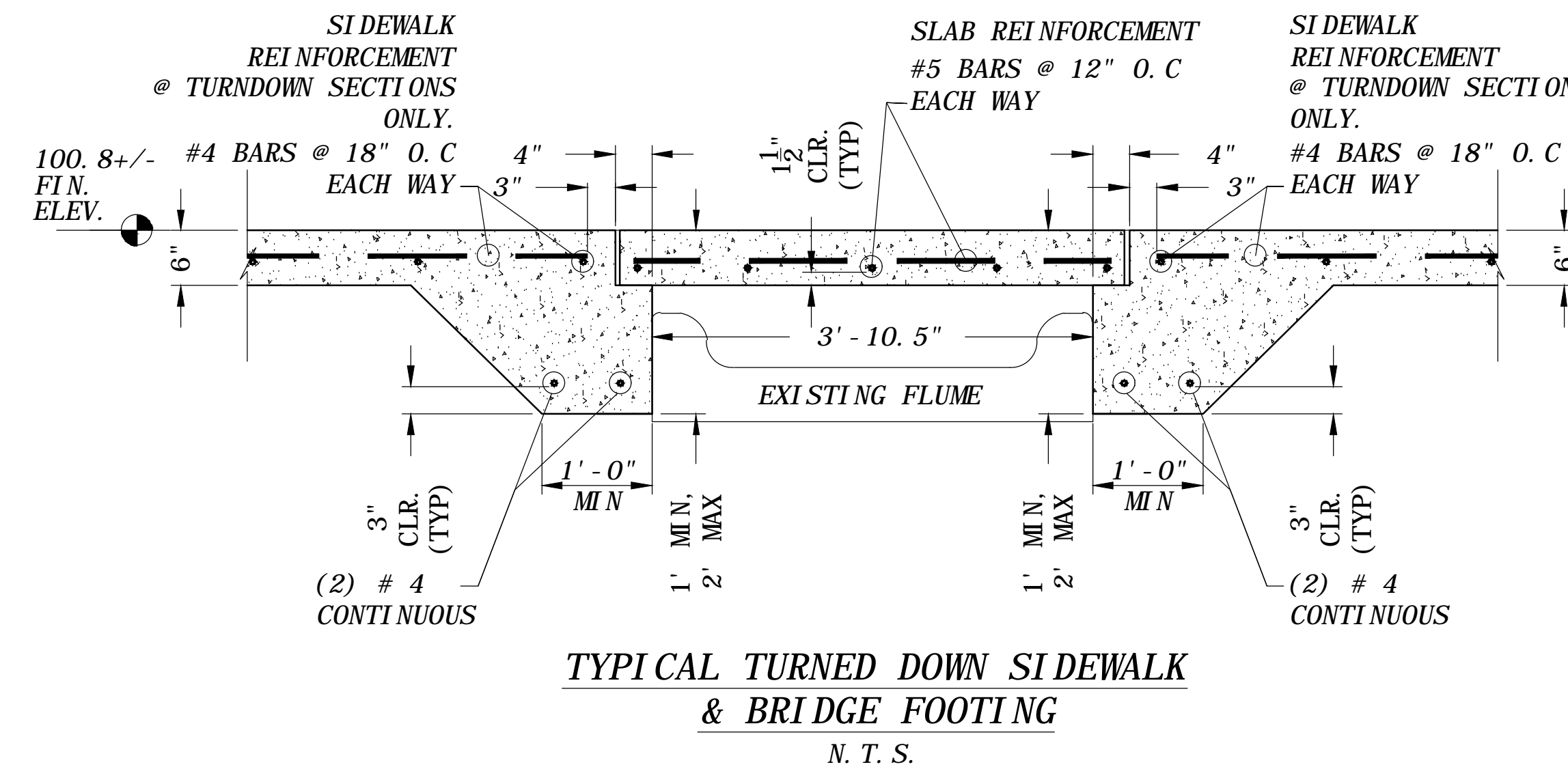
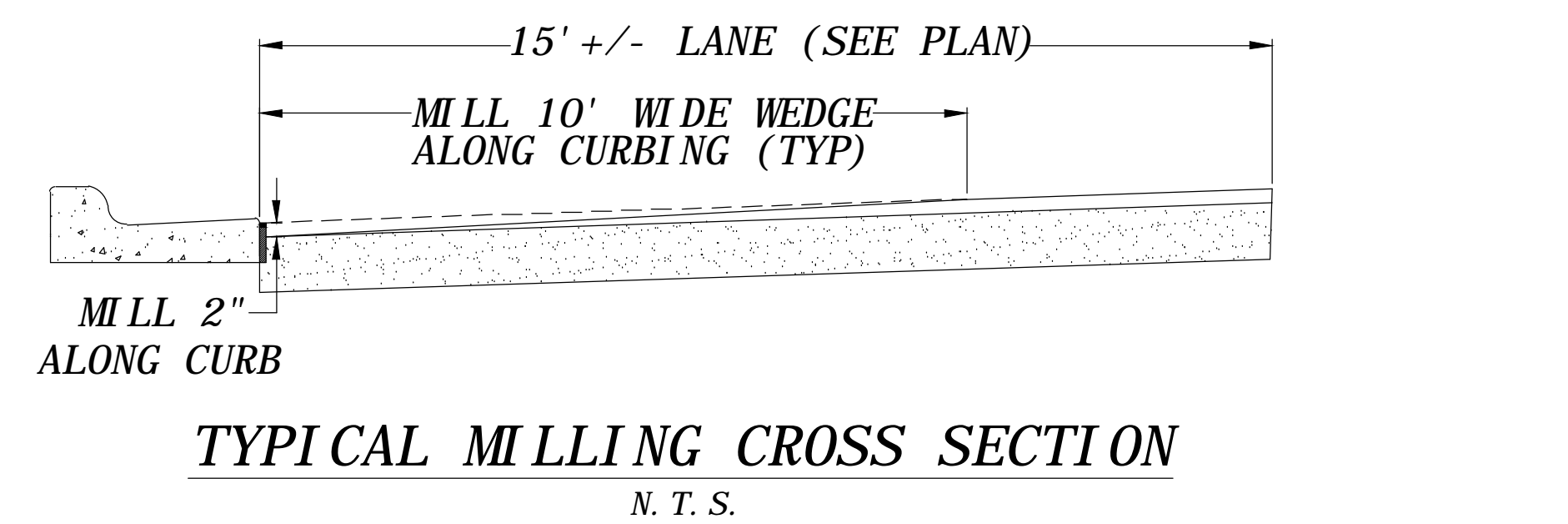
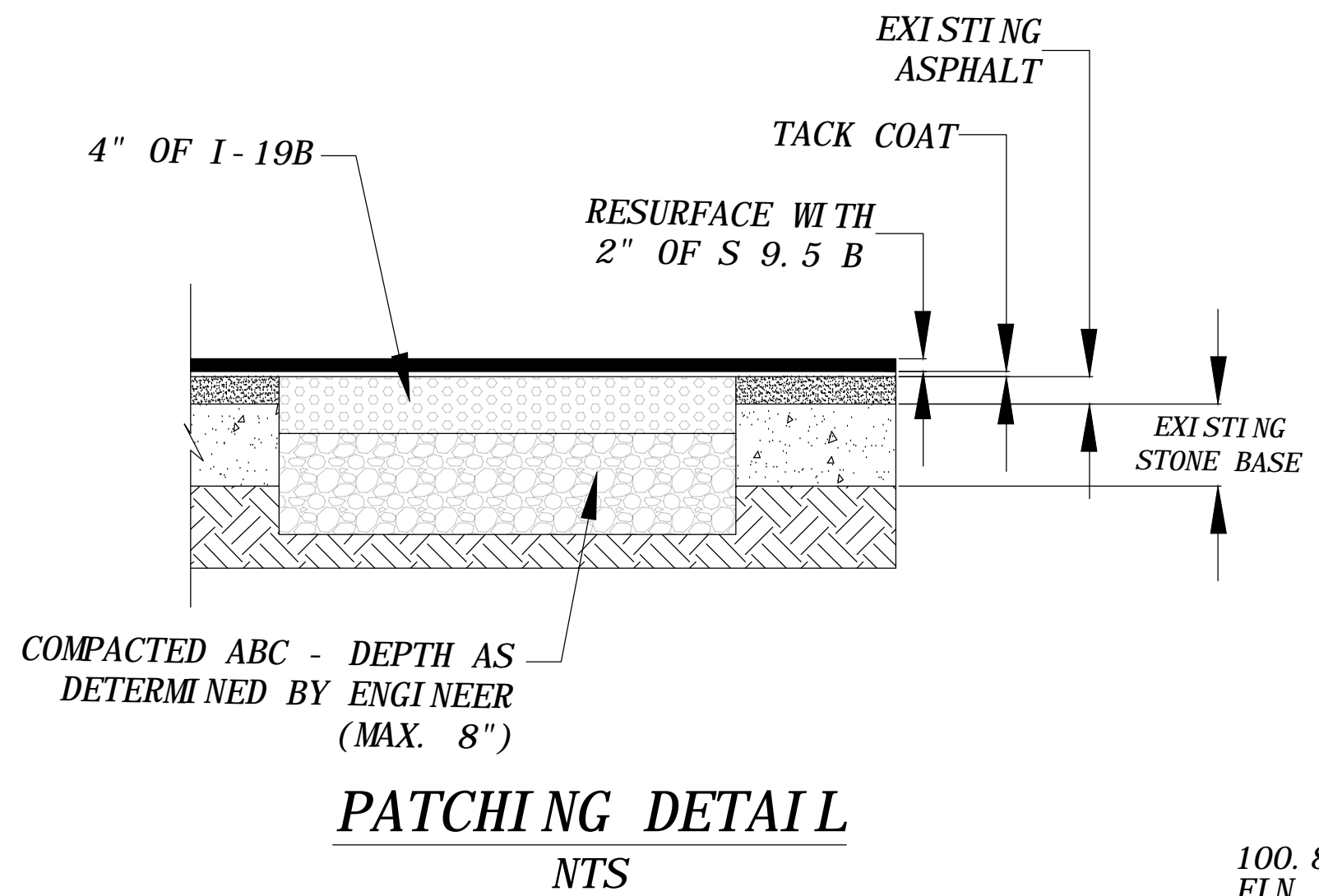
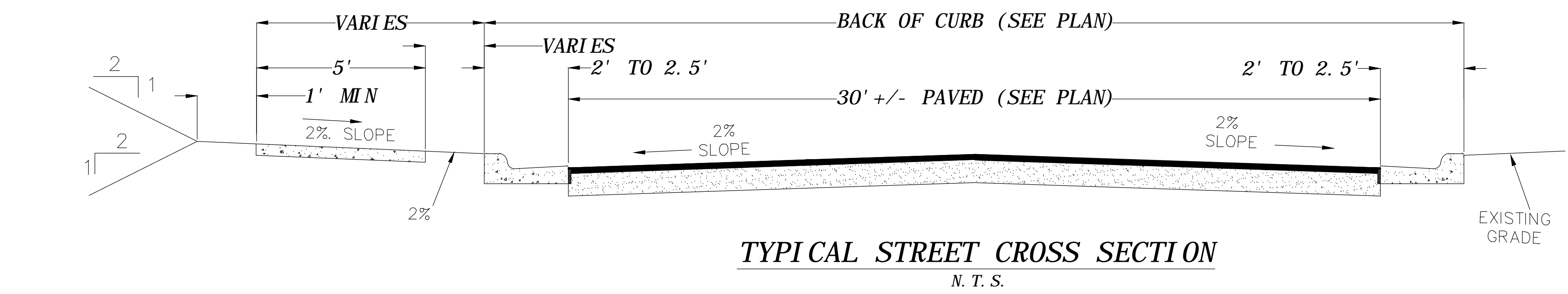
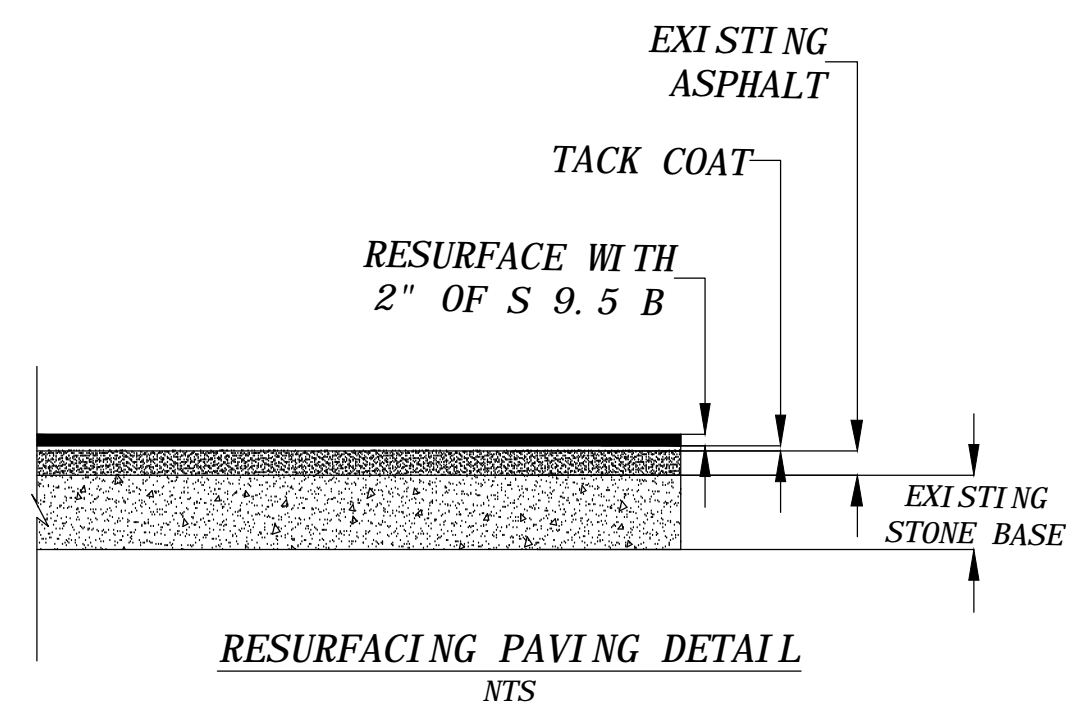
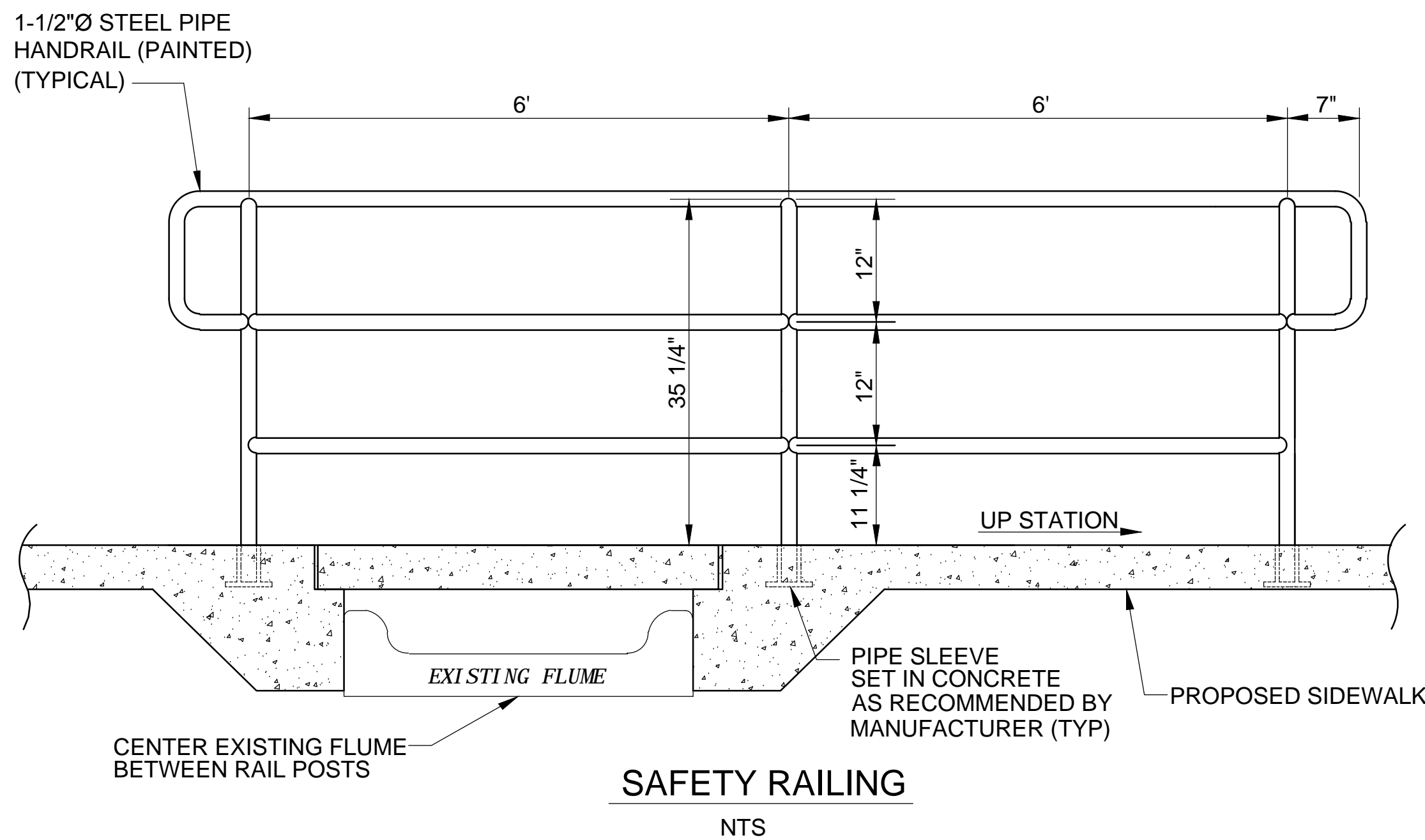
SHEET

1 OF 5









**PERMANENT AND TEMPORARY SEEDING SCHEDULE**

- GRADED AREAS:**
1. APPLY GROUND AGRICULTURAL LIMESTONE AND FERTILIZER IN ACCORDANCE WITH SOIL TEST RECOMMENDATIONS.
  2. IF SOIL TESTS RESULTS ARE NOT AVAILABLE, APPLY LIMESTONE AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE AND 10-10 GRADE FERTILIZER AT A RATE OF 800-900 LB/ACRE.
  3. INCORPORATE BOTH FERTILIZER AND LIME INTO THE TOP 4-6 INCHES OF SOIL.
  4. TEMPORARY SEEDING SCHEDULE:

REGION	DATES	SEEDING MIXTURE	RATE
MOUNTAINS	FEB. 1 - MAY 15	RYE GRASS	120 LB/AC
		KOREAN LESPEDEZA	50 LB/AC
		GERMAN MILLET	40 LB/AC
	AUG. 16 - DEC. 15	RYE GRASS	120 LB/AC
PIEDMONT	JAN. 1 - MAY 1	RYE GRASS	120 LB/AC
		KOBE LESPEDEZA	50 LB/AC
		GERMAN MILLET	40 LB/AC
	AUG. 16 - DEC. 30	RYE GRASS	120 LB/AC

REGION	DATES	SEEDING MIXTURE	RATE
MOUNTAINS	AUG. 15 - MAY 1	KY 31 TALL FESCUE	100 LB/AC
		RYE GRASS	40 LB/AC
		SERICEA LESPEDEZA	15 LB/AC
PIEDMONT	SEPT. 1 - APRIL 15	KY 31 TALL FESCUE	100 LB/AC
		CENTIFIDE GRASS	10 LB/AC
		BERMUDA GRASS *	25 LB/AC
	APRIL 16 - JUNE 30	USE TEMPORARY SEEDING.	
	JULY 1 - AUG. 31	RE-SEED AFTER SEPT. 1 WITH PERMANENT SEEDING.	

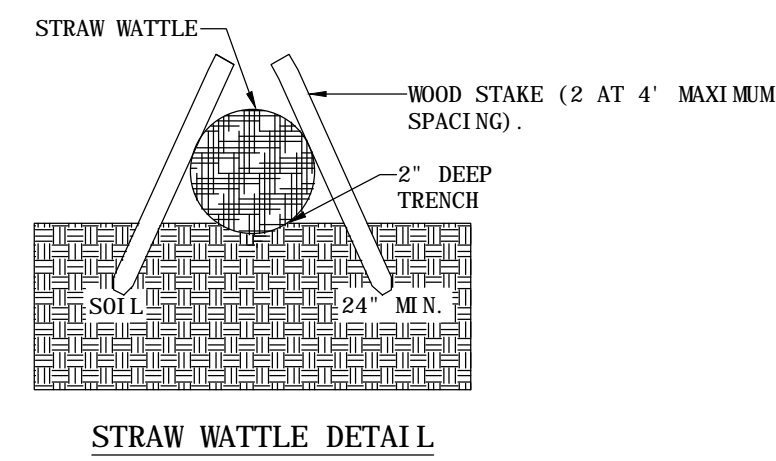
6. APPLY STRAW MULCH AT THE RATE OF 4.00 LB/AC. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. IF USING ASPHALT TACK, APPLY AT THE RATE OF 0.1 GAL/SY (1.1 GAL/SP). DO NOT APPLY ASPHALT TACK IN CLOSE PROXIMITY TO LIVE WATER.

**SEEDBED PREPARATION:**

1. INSTALL SURFACE WATER CONTROLS IN ACCORDANCE WITH THE APPROVED PLAN.
2. REMOVE ROCKS, ROOTS, AND DEBRIS THAT COULD INTERFERE WITH SEEDBED PREPARATION.
3. AREA TO BE SEEDBED SHALL BE LOOSENEED TO A DEPTH OF 4-6 INCHES USING A RIPPER, HARROW, OR CHISEL FLOW.
4. SURFACE FOR FINAL SEEDBED SHALL BE TO GRADE, SMOOTH, AND UNIFORM. SLOPES SHALL BE GROOVED OR FURROWED ALONG THE CONTOUR.
5. APPLY LIME AND FERTILIZER IN ACCORDANCE WITH THESE SEEDING SPECIFICATIONS.
6. APPLY SEED AND MULCH IN ACCORDANCE WITH THESE SEEDING SPECIFICATIONS.
7. RESEED AND MULCH AREAS WHERE COVER IS SPARSE OR WHERE EROSION HAS OCCURRED.

**NOTES:**

1. MAXIMUM SLOPE ANGLES SHALL BE NO GREATER THAN THE ANGLE WHICH CAN BE ADEQUATELY RETAINED BY VEGETATIVE COVER OR EROSION CONTROL STRUCTURES.
2. ALL PERIMETER DIKES, SWALES, DITCHES AND SLOPES SHALL HAVE GROUND COVER PROVIDED WITHIN 7 DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
3. ALL SLOPES STEEPER THAN 3:1 SHALL HAVE GROUND COVER PROVIDED WITHIN 7 DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING. IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, GROUND COVER SHALL BE ESTABLISHED WITHIN 14 DAYS.
4. ALL SLOPES 3:1 OR FLATTER SHALL HAVE GROUND COVER PROVIDED WITHIN 14 DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING. IF SLOPES ARE GREATER THAN 60 FEET IN LENGTH, GROUND COVER SHALL BE ESTABLISHED WITHIN 7 DAYS.
5. ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1 SHALL HAVE GROUND COVER ESTABLISHED WITHIN 14 DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
6. ON EXISTING LAWNS, ONLY REBEL FESCUE SHALL BE APPLIED, AND ASPHALT TACK SHALL NOT BE USED.



- NOTES:**
1. DRAWINGS ARE NOT TO SCALE.
  2. ENDS OF WATTLES SHALL BE TURNED SLIGHTLY UP SLOPE.
  3. WOOD STAKES ARE 2" WIDE x 2" THICK x 24" LONG. STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
  4. USE 12" DIAMETER STRAW WATTLE.

