

PROJECT LOCATION

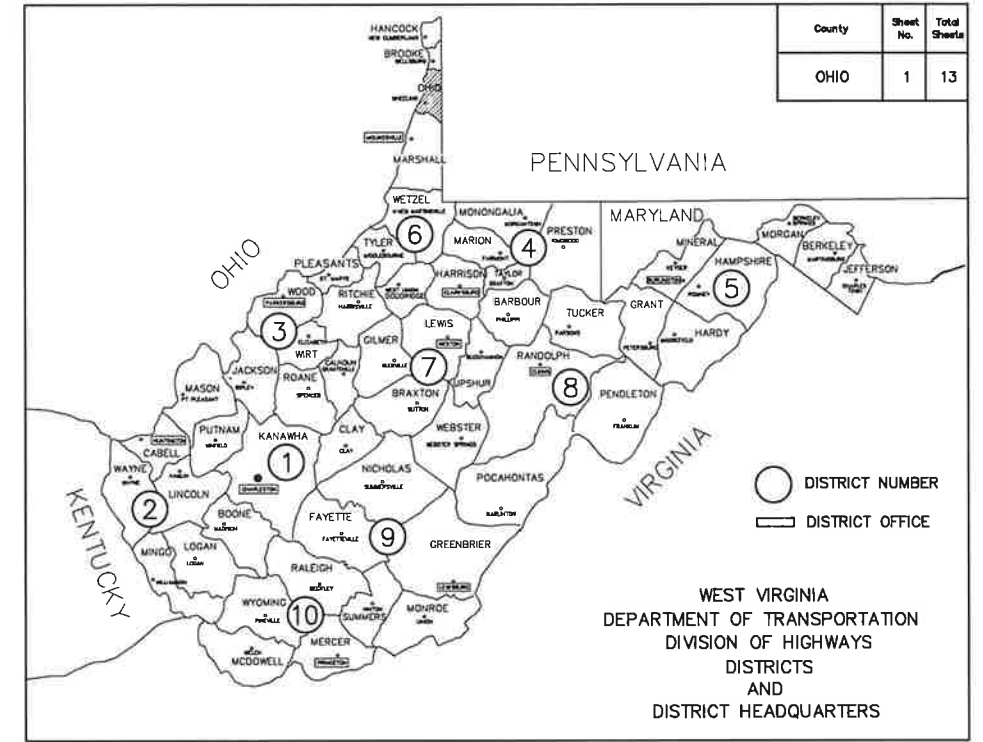
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DRAWINGS FOR:

# WASH-RITE CAR WASH

WHEELING, WEST VIRGINIA  
OHIO COUNTY

SUBMITTED 10/24/2025



WEST VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
DISTRICTS  
AND  
DISTRICT HEADQUARTERS

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PLANS PREPARED BY

**J.B. TURMAN ENGINEERING, PLLC**

3246 US RT 60, SUITE 1  
HUNTINGTON, WV 25705

Phone: (304) 733-1335 www.jbtengineering.com



Brian D. Morton, P.E.

10/24/25  
DATE

GENERAL NOTES

COUNTY	SHEET NO.	TOTAL SHEETS
OHIO	2	13

GOVERNING SPECIFICATIONS:

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD SPECIFICATIONS, ROADS AND BRIDGES, ADOPTED 2023, AS AMENDED BY THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, SUPPLEMENTAL SPECIFICATIONS, DATED JANUARY, 2025. THE CONTRACT DOCUMENTS, AND THE CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT.

STANDARD DETAILS:

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD DETAILS BOOK, VOLUME I, DATED MAY, 2016 & VOLUME II, DATED JANUARY 1, 2019 AND VOLUME III, DATED JULY 1, 2019 SHALL APPLY TO THIS PROJECT. STANDARD DETAILS CAN BE FOUND AT <http://www.transportation.wv.gov/highways/engineering/Pages/publications.aspx>

DRAINAGE:

ALL CULVERTS, INLETS AND OTHER DRAINAGE ITEMS ON THIS PROJECT HAVE BEEN LOCATED AS AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE EXACT LOCATION AND ELEVATION OF ALL DRAINAGE ITEMS AND, AFTER REVIEW AND APPROVAL BY THE ENGINEER, MAKE ANY NECESSARY ADJUSTMENTS IN THE FIELD TO INSURE PROPER DRAINAGE.

UTILITIES:

THE LOCATIONS OF ALL KNOWN UTILITIES ARE SHOWN ON THE CONTRACT PLANS BASED ON THE BEST AVAILABLE INFORMATION FROM EXISTING PLANS AND FIELD INFORMATION. THE CONTRACTOR SHALL CALL MISS-UTILITY PLUS ANY UTILITIES COMPANIES NOT COVERED BY MISS-UTILITY, AND HAVE ALL EXISTING UTILITIES FIELD LOCATED BY THE OWNER OR OWNER REPRESENTATIVE PRIOR TO CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE STATUS AND LOCATION OF EACH UTILITY WHEN PERFORMING WORK WHICH MAY AFFECT THESE FACILITIES, INCLUDING PROBING, EXCAVATION, OR ANY OTHER PRECAUTION REQUIRED TO CONFIRM A UTILITY'S LOCATION. IN THE EVENT OF DAMAGE OR DISRUPTION TO UTILITIES WHICH ARE ACTIVE AND ARE TO REMAIN IN SERVICE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY AN OFFICIAL OF THE AFFECTED UTILITY AND LEND ALL POSSIBLE ASSISTANCE IN RESTORING SERVICE. THE CONTRACTOR SHALL ASSUME ALL COSTS ASSOCIATED WITH THE REPAIR AND INTERRUPTION OF SUCH SERVICES.

VERIFICATION OF DIMENSIONS:

THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL PLAN AND ELEVATION DIMENSIONS PRIOR TO ORDERING MATERIALS FOR THE CONSTRUCTION OF THE VARIOUS BID ITEMS ON THIS PROJECT. THE CONTRACTOR IS TO REPORT ANY DEVIATIONS TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.

FERTILIZER, SEEDING AND MULCHING:

ALL DISTURBED SOIL AREAS ARE TO BE SEEDED, MULCHED AND FERTILIZED. MATERIALS AND WORK SHALL BE AS SPECIFIED IN SECTIONS 642 & 652 OF THE STANDARD SPECIFICATIONS.

GRADING NOTES

1. THE ENTIRE SITE WITHIN THE LIMIT OF CONSTRUCTION SHALL BE GRADED TO DRAIN FREELY.
2. ALL STRUCTURAL AREAS SHOULD BE STRIPPED OF EXISTING TOP SOIL BELOW THE EXISTING SURFACE. ANY EXISTING MATERIALS WHICH HAVE BEEN SOFTENED BY EXPOSURE AND GRADING SHOULD ALSO BE STRIPPED. EXPOSED SUBGRADE SHOULD THEN BE VERIFIED AS HAVING SUFFICIENT BEARING STRENGTH BY OWNER'S GEOTECHNICAL REPRESENTATIVE.
3. CONTRACTOR MUST COORDINATE ALL DRAINAGE STRUCTURE GRATES AND TOP ELEVATIONS SHOWN WITH ACTUAL FIELD CONDITIONS TO ENSURE THAT GRATES AND TOPS ARE FLUSH WITH FINISHED GRADE OR AS SHOWN IN PLANS.
4. LONGITUDINAL SLOPE ON SIDEWALKS CAN NOT EXCEED 8.33%, CROSS SLOPE ON SIDEWALKS CANNOT EXCEED 2.0%.
5. GRADE SLOPES BETWEEN SPOT ELEVATIONS PROVIDING A CONTINUOUS SMOOTH SURFACE WITHOUT SHARP TRANSITIONS. AVOID ABRUPT CHANGES IN GRADE, ROUND SURFACES PROVIDING SMOOTH TRANSITIONS.
6. SPOT ELEVATIONS FOR CONCRETE PAVEMENT ARE FINAL.

WATER QUALITY:

THE CONTRACTOR WILL BE RESPONSIBLE FOR WATER QUALITY THROUGHOUT THE DURATION OF THE CONSTRUCTION. THE PROJECT ENGINEER WILL WORK CLOSELY WITH THE PROJECT SUPERINTENDENT. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE FOLLOWING;

1. IMPLEMENTING AN EFFECTIVE EROSION CONTROL PLAN.
2. DIRECTING THE CONSTRUCTION, OPERATION AND DISMANTLING OF TEMPORARY EROSION CONTROL FEATURES.
3. IMPLEMENTING REMEDIAL ACTION REQUIRED TO REPAIR FAILING EROSION AND SEDIMENTATION CONTROL FEATURES.
4. IMPLEMENTING STORM AND WINTER SHUTDOWN PROCEDURES.
5. WILL SHAPE EARTHWORK PRIOR TO THE SUSPENSION OF GRADING OPERATIONS EACH DAY IN A MANNER THAT WILL PERMIT STORM RUNOFF WITH MINIMAL EROSION.
6. EROSION CONTROL FEATURES INSTALLED BY THE CONTRACTOR WILL BE OPERATED AND MAINTAINED IN AN ACCEPTABLE CONDITION.

WASTE MATERIAL:

ALL MATERIAL REMOVED AND NOT REUSED IN THE CONSTRUCTION OF THE PROJECT SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF BY THE CONTRACTOR. THE DISPOSAL OF WASTE MATERIAL SHALL BE IN ACCORDANCE WITH WVDOH SPECIFICATIONS.

NOTICE TO CONTRACTOR

IF OTHER CONTRACTORS ARE WORKING IN THE AREA, IT IS IMPERATIVE THAT A STRICT PLAN OF COORDINATION BETWEEN CONTRACTORS BE AGREED UPON IN REFERENCE TO WORKING PLANS, STORAGE AREAS AND MAINTENANCE OF TRAFFIC.

EROSION AND SEDIMENT CONTROL:

DETAILS NOT SHOWN IN THE PLANS SHALL BE IN ACCORDANCE WITH THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS EROSION AND SEDIMENT CONTROL MANUAL, DATED MARCH 1, 2003, AND THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL, REVISED AUGUST 29, 2016. IN THE EVENT THAT TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED DUE TO THE CONTRACTOR'S NEGLIGENCE, CARELESSNESS, OR FAILURE TO INSTALL PERMANENT CONTROLS AS PART OF THE WORK OR ORDERED BY THE ENGINEER, SUCH WORK SHALL BE PERFORMED BY THE CONTRACTOR AT HIS OWN EXPENSE.

THE FIRST ORDER OF WORK FOR THE CONTRACTOR IS TO INSTALL SEDIMENT CONTROL FEATURES TO ESTABLISH EROSION CONTROL AT THE EARLIEST POSSIBLE DATE. INITIAL CLEARING AND GRUBBING IS TO ONLY BE WHAT IS NECESSARY IN ORDER TO ACCOMPLISH THESE OPERATIONS.

IN ADDITION, THE CONTRACTOR IS TO NAME AN INDIVIDUAL TO REVIEW THE EROSION CONTROL FEATURES AT A MINIMUM OF ONCE EVERY 4 DAYS AND WITHIN 24 HRS OF A PRECIPITATION EVENT OF 0.25 IN OR GREATER, THE OCCURRENCE OF RUNOFF FROM SNOWMELT SUFFICIENT TO CAUSE A DISCHARGE, AND ONCE A MONTH DURING WINTER SHUTDOWN TO ASSESS THE SUCCESS OF THE EROSION CONTROL FEATURES, REVEGETATION EFFORTS, AND SEE THAT REPLACEMENT, CLEANING, AND/OR INSTALLATION OF ADDITIONAL FEATURES IF NECESSARY ARE CARRIED OUT.

ALL SEDIMENT COLLECTED BY THE BIORETENTION BASIN DURING CONSTRUCTION SHALL BE REMOVED AND THE BOTTOM OF THE BASIN RIPPED TO A DEPTH OF AT LEAST 18 INCHES PRIOR TO CONVERSION TO A BIORETENTION BASIN. EQUIPMENT SHALL NOT ENTER THE TRENCH TO AVOID COMPACTING THE SUBGRADE AND REDUCING INFILTRATION CAPACITY.

TEMPORARY POLLUTION CONTROL

MATERIAL USED FOR DIKES, DAMS, DITCH CHECKS, AND SEDIMENT BASINS UNDER SECTION 642 SHALL BE NON-SILTING (WOOD, STEEL, ROCK CONCRETE, ETC.).

ELEVATIONS AND COORDINATES:

ALL ELEVATIONS SHOWN REFER TO THE US COAST & GEODETIC SURVEY. THE HORIZONTAL DATUM IS BASED NAD 83 WV NORTH STATE PLANE WHILE THE VERTICAL DATUM IS NAVD 88.

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXISTING ELEVATIONS AS SHOWN ON THE PLANS PRIOR TO THE START OF ANY CONSTRUCTION. ANY DISCREPANCIES SHALL IMMEDIATELY BE REPORTED TO THE PROJECT ENGINEER.

PAVEMENT UNDERCUT:

WHEN MATERIAL IS ENCOUNTERED AT SUBGRADE ELEVATION WHICH CANNOT BE COMPACTED TO THE REQUIRED DENSITY AS DETERMINED BY THE ENGINEER IT SHALL BE UNDERCUT TO A MINIMUM OF TWO (2) FEET OR AS DIRECTED BY THE ENGINEER. THE VOLUME EXCAVATED SHALL THEN BE BACKFILLED WITH SELECT EMBANKMENT, THE TOP SIX (6) INCHES OF BACKFILL SHALL BE MADE IN ACCORDANCE WITH THE WVDOH SPECIFICATIONS.

UTILITY OWNERSHIP:

LISTED BELOW ARE ALL KNOWN UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS.

COMCAST COMMUNICATION  
RONALD MUNDY  
15 SUMMER SCHOOL RD.  
MORGANTOWN, WV 26508  
PHONE: 954-258-8022

FRONTIER COMMUNICATIONS  
SHERI BURTON  
1500 MACCORKLE AVE SE  
CHARLESTON, WV 25396  
PHONE: 304-344-6504  
CALL CENTER: 1-855-265-8812

FIRST ENERGY CORPORATION  
NICK BAARMAN  
5404 EVANS RD  
ERIE, PA 16509  
PHONE: 814-868-8840

WHEELING WATER AND SANITARY DEPT.  
MAX JACOBS  
9 ARMORY DR.  
WHEELING, WV 26003  
PHONE: 304-234-3617

MOUNTAINEER GAS COMPANY  
CAROL COSTELLO  
PO BOX 5201  
CHARLESTON, WV 25361-0201  
PHONE: 1-888-420-4427 EXT 88651

WHEELING WATER POLLUTION CONTROL  
BOB WEISNER  
PO BOX 6348  
WHEELING, WV 26003  
PHONE: 304-234-3874

MISS UTILITY  
WV UNDERGROUND  
4 DAYS "BEFORE YOU DIG"  
PHONE: 1-800-245-4848

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J.B. TURMAN ENGINEERING, PLLC

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

**WASH-RITE CAR WASH  
WHEELING**

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**GENERAL NOTES (1 OF 2)**

COUNTY	SHEET NO.	TOTAL SHEETS
OHIO	3	13

## GENERAL NOTES (CONTINUED)

### TEMPORARY CONSTRUCTION ENTRANCE

A TEMPORARY CONSTRUCTION ENTRANCE IS A STONE STABILIZED PAD LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON A CONSTRUCTION SITE. THE PURPOSE IS TO REDUCE THE AMOUNT OF MUD TRANSPORTED ONTO PUBLIC ROADS BY MOTOR VEHICLES OR RUNOFF. ASTM D448 NO. 2 OR 3 OR EQUIVALENT (2-3 INCH STONE) SHOULD BE USED. THE AGGREGATE LAYER SHOULD BE AT LEAST 6 INCHES THICK. IT MUST EXTEND THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS AREA. THE LENGTH OF THE ENTRANCE SHOULD BE AT LEAST 50 FEET.

IF CONDITIONS ON THE SITE ARE SUCH THAT THE MAJORITY OF THE MUD IS NOT REMOVED BY THE VEHICLES TRAVELING OVER THE GRAVEL, THEN THE TIRES OF THE VEHICLES SHOULD BE WASHED BEFORE ENTERING A PUBLIC ROAD. WASH WATER MUST BE CARRIED AWAY FROM THE ENTRANCE TO A SETTLING AREA TO REMOVE SEDIMENT. A WASH RACK MAY ALSO BE USED TO MAKE WASHING MORE CONVENIENT AND EFFECTIVE.

THE ENTRANCE SHOULD BE LOCATED TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES.

FILTER FABRIC MAY BE PLACED BENEATH THE AGGREGATE FOR ADDITIONAL STABILITY IN ACCORDANCE WITH THE FABRIC MANUFACTURER'S SPECIFICATIONS.

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS SHOULD BE REMOVED IMMEDIATELY.

### UTILITY INTERFERENCE

IF, DURING THE CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY AND COORDINATE AS NEEDED WITH THE UTILITY COMPANY INVOLVED. ANY AND ALL WORK REQUIRED FOR PRIVATE UTILITIES SHALL BE COORDINATED WITH AND, IF REQUIRED, DONE BY THEIR RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY, AT LEAST 7 DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS.

### TEMPORARY TRAFFIC CONTROL NOTES

- TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH SECTION 636 OF THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD SPECIFICATIONS, ROADS AND BRIDGES ADOPTED 2017 AND 2021 ADDENDUMS, THE CONTRACT DOCUMENTS AND CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT, AND THE "MANUAL ON TEMPORARY TRAFFIC CONTROL FOR STREETS AND HIGHWAYS", 2006 EDITION, WHICH IS MADE A PART OF THIS CONTRACT AND THE TEMPORARY TRAFFIC CONTROL PLAN FOR INDIVIDUAL SEGMENTS AS DESCRIBED BELOW.
- REFLECTIVE SHEETING ON TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE OF NEW CONDITION AT THE BEGINNING OF THE PROJECT LIFE. NIGHT VISIBILITY AND LEGIBILITY SHALL BE MAINTAINED.
- ACCESS TO ALL HOUSES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES. ACCESS TO ALL PUBLIC PARKING AREAS TO BE MAINTAINED AT ALL TIMES.
- TRAFFIC SHALL BE MAINTAINED AT ALL TIMES THROUGH THE WORK AREA UNLESS OTHERWISE APPROVED BY THE ENGINEER. WORK IN ANY ONE AREA MAY BE COMBINED WITH ANY OTHER OPERATION IN THE SAME AREA PROVIDING THE COMBINED OPERATIONS DO NOT CAUSE UNDUE DELAY TO TRAFFIC.
- FLAGGER: WHEN WORK IS PERFORMED AT NIGHT WITH A FLAGGER, THE FLAGGER STATIONS SHALL BE ADEQUATELY ILLUMINATED.
- EXISTING SIGNS AND DELINEATORS: ANY SUCH FACILITIES RELOCATED, REMOVED, OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO ITS ORIGINAL CONDITION BY THE CONTRACTOR AT HIS EXPENSE AS PART OF ITEM 636011-001, "TRAFFIC CONTROL DEVICE", UNLESS REPLACED BY FINAL SIGNING.
- WHEN COVERING EXISTING SIGNS, THE CONTRACTOR HAS THE OPTIONS OF USING: A. HEAVY DUTY BLACK OVERLAY (PLASTIC OR BURLAP TYPE), B. THIN WOOD OVERLAY (E.G. PLYWOOD), C. TAKING SIGNS DOWN AND REINSTALLING WHEN APPROPRIATE, D. ANY DAMAGES CAUSED BY ABOVE-NAMED SHALL BE REPAIRED/REPLACED TO ORIGINAL CONDITION AT CONTRACTORS EXPENSE,
- TYPE 'B' WARNING LIGHTS SHALL BE USED ON THIS PROJECT. THESE LIGHTS SHALL BE PLACED ON SIGNS AS INDICATED IN THE TEMPORARY TRAFFIC CONTROL PLANS.

### EXISTING "APPROXIMATE" AND/OR "PER PLANS" UNDERGROUND UTILITIES:

EXISTING UNDERGROUND UTILITIES LABELED AS "APPROXIMATE" AND/OR "PER PLANS" HAVE BEEN SHOWN BASED ON PREVIOUS PLANS AND OLD SITE INFORMATION AND THEIR EXACT LOCATION, DEPTH, SIZE, TYPE, SLOPE, ECT., ARE UNKNOWN. CONTRACTOR SHALL TAKE THIS INTO ACCOUNT FOR ALL WORK RELATED TO AND/OR INVOLVING THESE UTILITIES AND SHALL FIELD VERIFY AND/OR DETERMINE ALL INFO FOR THESE UTILITIES PRIOR TO CONSTRUCTION.

CONTRACTOR TO BE AWARE THERE MAY BE OTHER UNKNOWN SERVICES OR UNKNOWN UNDERGROUND UTILITIES OR ITEMS WHICH MAY BE LOCATED WITHIN THE SITE AND MAY REQUIRE REMOVAL OR REROUTING IN ORDER TO PERFORM THE PROPOSED PROJECT. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY OF ANY UNKNOWN UNDERGROUND UTILITIES OR OTHER ITEMS WHICH ARE ENCOUNTERED AND WORK WITH THE OWNER TO DECIDE HOW THESE ITEMS SHOULD BE HANDLED.

ALL UTILITIES TO BE INSTALLED PER WVDOH STANDARDS.

CONTRACTOR TO VERIFY AND LOCATE WHERE STORM, SANITARY, AND WATER LATERALS AND ALL OTHER PROPOSED UTILITY SERVICES TIE INTO THE PROPOSED BUILDING PER BUILDING PLANS. CONTRACTOR SHALL ALSO VERIFY THE SIZES AND TYPES OF ALL LATERALS AND HOW THEY MAY TIE INTO THE PROPOSED BUILDINGS.

CONTRACTOR TO FOLLOW ALL PERMIT REQUIREMENTS AND SPECIFICATIONS TO INSTALL THE PROPOSED UTILITIES INCLUDING COORDINATING THE INSTALLATION WITH LOCAL OFFICIALS AS NEEDED AND/OR REQUIRED.

CONTRACTOR TO COORDINATE ALL WORK WITH THE OWNER AS NEEDED/REQUIRED.

### DOWNSPOUT PIPING:

THE CONTRACTOR SHALL CONNECT ANY DOWNSPOUTS AS SHOWN ON THE SITE PLAN OR TO THE CLOSEST STORM PIPING OR CATCH BASINS USING CPSP OR PVC SDR-35 SEWER OR APPROVED EQUAL.

### EXISTING UTILITY:

CONTRACTOR SHALL DETERMINE THE TYPE OF SERVICE FOR ALL EXISTING UNDERGROUND LINES THAT ARE ENCOUNTERED DURING CONSTRUCTION AND SHALL ENSURE THE FOLLOWING:

THAT ALL EXISTING WATERLINES, SANITARY LINES, STORM LINES, OR ANY OTHER EXISTING CLEAN WATER DRAINAGE LINES THAT ARE DISCOVERED AND/OR ENCOUNTERED DURING CONSTRUCTION AND ARE OR NEED TO REMAIN IN SERVICE ARE ROUTED AS NEEDED TO ENSURE THAT THEY ARE CONNECTED INTO THE PROPOSED OR EXISTING LINES/STRUCTURES.

ALL WORK TO BE PER AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE AND TO BE WITNESSED BY THE OWNER'S REP. COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACTOR'S OVERALL LUMP SUM BID FOR THE PROJECT.

### GAS, ELECTRIC, COMMUNICATION CONFLICT:

CONTRACTOR TO LOWER/DIP THESE UTILITIES AS NEEDED TO AVOID CONFLICTS WITH ANY PROPOSED OR EXISTING SANITARY OR STORM OR WATER LINES THEY CONFLICT WITH. IF THESE UTILITY LINES CONFLICT WITH ANY PROPOSED OR EXISTING WATERLINES, THEN CONTRACTOR TO DETERMINE WHETHER TO LOWER/DIP THE WATERLINE OR LOWER/DIP THE GAS/ELECTRIC/COMMUNICATION LINE(S). CONTRACTOR MAY NEED TO CONSULT WITH AND OBTAIN OWNER'S APPROVAL AS TO WHICH UTILITY WILL BE LOWERED PRIOR TO PERFORMING THIS WORK. COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACTOR'S OVERALL LUMP SUM BID FOR THE PROJECT.

### LOCATE EXISTING UTILITIES:

THIS ITEM OF WORK MAY BE PERFORMED ON AS NEEDED BASIS AND SHALL CONSIST OF THE CONTRACTOR FIELD LOCATING THE VARIOUS EXISTING UTILITY LINES LOCATION, SIZE, AND DEPTH PRIOR TO PERFORMING ANY PROPOSED WORK OR ONCE WORK HAS BEGUN. THIS WORK MAY ALSO REQUIRE THE CONTRACTOR TO INSPECT THE LINES BY OTHER METHODS SUCH AS DYE TESTING OR CAMERA/VIDEO TO FIND THE ORIGIN AND LOCATION OF THE LINE. THE CONTRACTOR SHALL COOPERATE AND COORDINATE WITH THE OWNER AS NEEDED TO ENSURE EXISTING FACILITY OPERATIONS ARE MAINTAINED.

ALL WORK TO BE PER AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE AND TO BE WITNESSED BY THE OWNER'S REPRESENTATIVE. COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACTOR'S OVERALL LUMP SUM BID FOR THE PROJECT.

### BIORETENTION CELL NOTES

- SOIL MEDIA SHALL CONTAIN 3-5% ORGANIC MATTER (AGED COMPOST) AND SHALL BE PLACED WITH LIGHT EQUIPMENT AND IN A NON-COMPACTED STATE WITH SURFACE TOLERANCE OF 2 INCHES. THE REMAINING SOIL MEDIA SHALL BE 70-88% SAND AND 8-26% TOP SOIL.
- SOIL MEDIA SHALL HAVE A pH BETWEEN 5.5 AND 7.5.
- NATIVE PLANTING SHALL BE USED FOR LANDSCAPING WITHIN THE BIORETENTION CELL. A LIST OF PLANTS THAT CAN BE PURCHASED LOCALLY HAS BEEN INCLUDED WITH THE BIORETENTION CELL DETAILS.
- PLACE A 2 INCH LAYER OF HARDWOOD MULCH ON TOP OF THE SOIL MEDIA AND A 2" LAYER OF NO. 8 CHOKER STONE BETWEEN THE SOIL AND NO. 57 STONE.
- PRIOR TO INSTALLATION OF THE BMPS, THE CONTRACTOR SHALL COORDINATE THE INSTALLATION SCHEDULE WITH THE DESIGN ENGINEER. THE DESIGN ENGINEER MUST BE GIVEN A MINIMUM OF ONE WEEK NOTICE PRIOR TO INSTALLATION. THE DESIGN ENGINEER MUST BE PRESENT DURING THE INSTALLATION OF ALL LAYERS. THE DESIGN ENGINEER MUST ALSO PROVIDE A WRITTEN REPORT TO THE CITY OF WEIRTON STORMWATER UTILITY CERTIFYING THAT THE CONSTRUCTION OF THE STORMWATER MANAGEMENT CONTROLS WERE DONE IN ACCORDANCE WITH THE APPROVED DESIGN.
- AS-BUILT DRAWINGS OF THE INFILTRATION CELL INCLUDING ALL ELEVATIONS, SHALL BE PROVIDED WHEN CONSTRUCTION IS COMPLETE.

### WATER MAIN CROSSING SEPARATION NOTE:

WHENEVER A SANITARY OR STORM SEWER AND WATER LINE MUST CROSS, THE SEWER AND WATER SHALL BE LAID AT SUCH AN ELEVATION THAT THERE IS AT LEAST 18" OF SEPARATION BETWEEN THE OUTSIDE WALLS OF THE TWO PIPES. IF REQUIRED, CONTRACTOR SHALL LOWER/DIP THE WATER MAIN AS NEEDED TO OBTAIN THE 18" MINIMUM SEPARATION DISTANCE. IF IT IS ABSOLUTELY IMPOSSIBLE TO MAINTAIN THE 18" VERTICAL SEPARATION, THE SANITARY SEWER SHALL BE CONSTRUCTED OF WATERLINE TYPE MATERIALS WHICH WOULD BE ABLE TO WITHSTAND A 100 PSI PRESSURE TEST (NOTE: DO NOT PRESSURE TEST SANITARY SEWER TO 100 PSI.) THESE REQUIREMENTS WILL EXTEND FOR THE DISTANCE OF THE ENTIRE SPAN. NO CHANGE OF MATERIALS ARE ALLOWED MID-SPAN.

AT CROSSINGS, THE WATER MAIN SHALL HAVE A MINIMUM VERTICAL DISTANCE OF 18" FROM STORM AND SANITARY SEWERS. ALSO ONE FULL LENGTH OF WATER MAIN SHALL BE LOCATED SO THE JOINTS ARE AS FAR FROM THE STORM AND SANITARY SEWERS AS POSSIBLE.

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J.B. TURMAN ENGINEERING, PLLC

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY	

**WASH-RITE CAR WASH  
WHEELING**

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**GENERAL NOTES (2 OF 2)**

I-70E EXIT RAMP

ENCROACHMENT

WHEELING HERITAGE TRAIL

RGK PARTNERSHIP  
PART OF TAX MAP W53-PARCELS 91.1, 146.1, 248  
DEED BOOK 1084 PAGE 578

KINGS OF THE CAR WASH  
PART OF TAX MAP W53-PARCELS 91.1, 146.1, 248  
DEED BOOK 1095 PAGE 502



UTILITY EASEMENT

MOUNT DE CHANTAL RD

WVBC, LLC

HUNTERLANE

DRIVEWAY

DRIVEWAY

1 STORY BLDG FRAME

1 STORY BLDG FRAME

BELL ATLANTIC - WV INC

THE PROPERTY LINES OF THE "KINGS OF THE CAR WASH" PROPERTY AS SHOWN ON THIS PLAN WERE DETERMINED USING THE PLAT AS SURVEYED BY CHARLES B. KURZYNA (PS 1534) AND SHOWN ON THE PLAT "WASH-RITE UNLIMITED EXPRESS" BY NEW RIVER ENGINEERS INC. DATED 04/28/2025, UNKNOWN RECORD LOCATION. THE UTILITY EASEMENT AS SHOWN WAS DETERMINED USING DEED BOOK 1095 AT PAGE 502. ALL OTHER PROPERTY LINES WERE DETERMINED USING THE TAX MAP AND ARE APPROXIMATE. J.B. TURMAN ENGINEERING, PLLC MAKES NO CLAIM TO THEIR ACCURACY.

SCALE  
0 20 ft.

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**WASH-RITE CAR WASH  
WHEELING**

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**EXISTING SITE PLAN**

**PAVEMENT STRIPING NOTES:**

1. ANY PROPOSED PAVEMENT MARKING SHALL BE STRIPED AS PART OF THIS WORK.
2. ALL PAVEMENT MARKINGS SHALL BE PER WVDOT SPECIFICATIONS. ALL PAVEMENT MARKINGS TO BE TYPE VIIC.
3. ALL MARKING LAYOUT AND COLOR SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.





**NOTES:**

1. ALL DIMENSIONS INVOLVING CURBING ARE TO THE FACE OF THE CURB, UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO VERIFY EXACT LOCATION, DEPTH AND SIZE OF UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY OWNER OF ANY CONFLICTS PRIOR TO THE INSTALLATION OF UTILITIES.
3. CONTRACTOR TO FOLLOW ALL PERMIT REQUIREMENTS AND SPECIFICATIONS TO INSTALL THE PROPOSED DEVELOPMENT INCLUDING COORDINATING THE INSTALLATION WITH LOCAL OFFICIALS AS NEEDED AND/OR REQUIRED.
4. CONTRACTOR TO COORDINATE ALL WORK WITH THE OWNER AS NEEDED/REQUIRED.

**ELECTRICAL/MECHANICAL NOTE:**

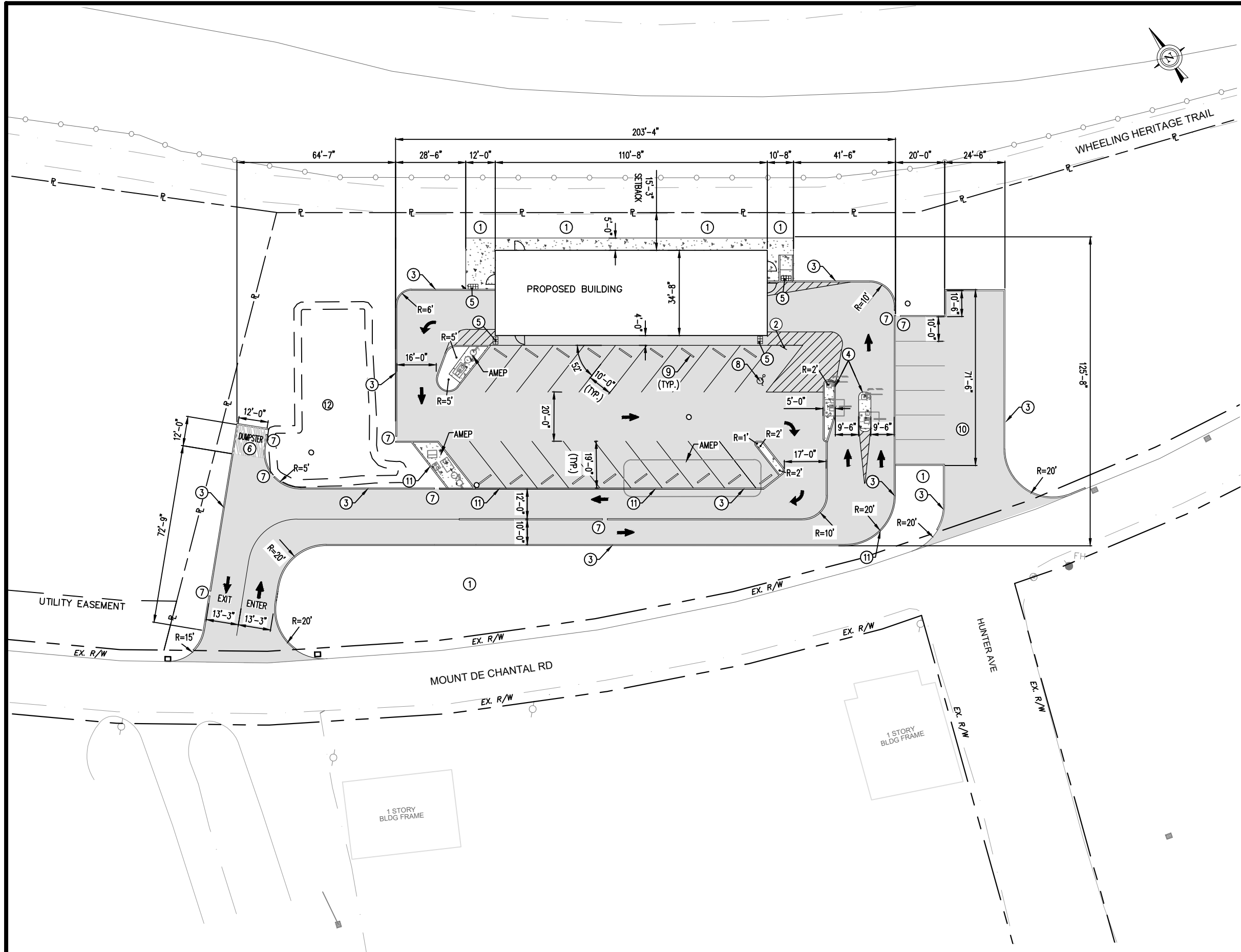
CONTRACTOR SHALL REFER TO THE ELECTRICAL/MECHANICAL DRAWINGS FOR DEMOLITION AND/OR INSTALLATION INFORMATION OF ALL EXISTING AND PROPOSED ELECTRICAL/MECHANICAL ITEMS FOR THE SITE AND/OR HOW THESE ITEMS ARE TO BE HANDLED AND ADDRESSED.

**LEGEND**

-  CONCRETE SIDEWALK EQUIPMENT FOUNDATION (PER MANUFACTURER'S RECOMMENDATIONS)
-  STRIPING
-  DUMPSTER PAD
-  CONCRETE PAVEMENT

AMEP - SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING PLANS

- ① LANDSCAPE PLANTING AREA
- ② ADA PARKING SIGN "VAN ACCESSIBLE" (SEE AMEP)
- ③ PLAIN CONCRETE CURB, TYPE 1 MODIFIED
- ④ METAL ISLAND FORMS TYP. (SEE AMEP)
- ⑤ ADA TRUNCATED WARNING DOME
- ⑥ CONCRETE DUMPSTER PAD WITH ENCLOSURE
- ⑦ 24" CURB CUT
- ⑧ HANDICAPPED ACCESSIBLE SYMBOL
- ⑨ CONCRETE PARKING BLOCK (SEE DETAIL)
- ⑩ EMPLOYEE PARKING LOT
- ⑪ CONCRETE WALL (SEE DETAIL)
- ⑫ MS4



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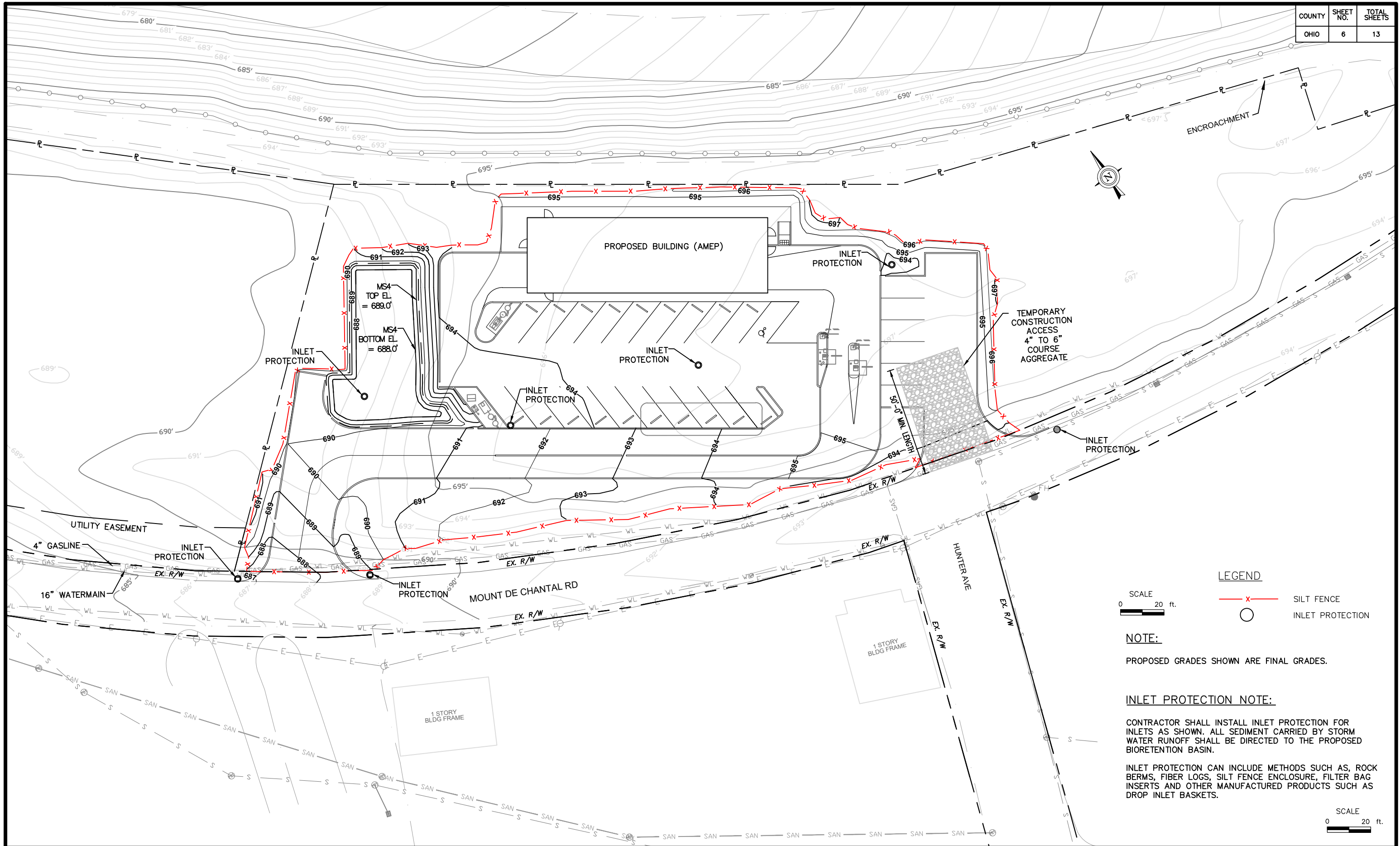


**J.B. TURMAN ENGINEERING, PLLC**

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

**WASH-RITE CAR WASH  
WHEELING**

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**SITE PLAN**



**LEGEND**

— X — SILT FENCE

○ INLET PROTECTION

SCALE  
0 20 ft.

**NOTE:**  
PROPOSED GRADES SHOWN ARE FINAL GRADES.

**INLET PROTECTION NOTE:**  
CONTRACTOR SHALL INSTALL INLET PROTECTION FOR INLETS AS SHOWN. ALL SEDIMENT CARRIED BY STORM WATER RUNOFF SHALL BE DIRECTED TO THE PROPOSED BIORETENTION BASIN.  
INLET PROTECTION CAN INCLUDE METHODS SUCH AS, ROCK BERMS, FIBER LOGS, SILT FENCE ENCLOSURE, FILTER BAG INSERTS AND OTHER MANUFACTURED PRODUCTS SUCH AS DROP INLET BASKETS.

SCALE  
0 20 ft.

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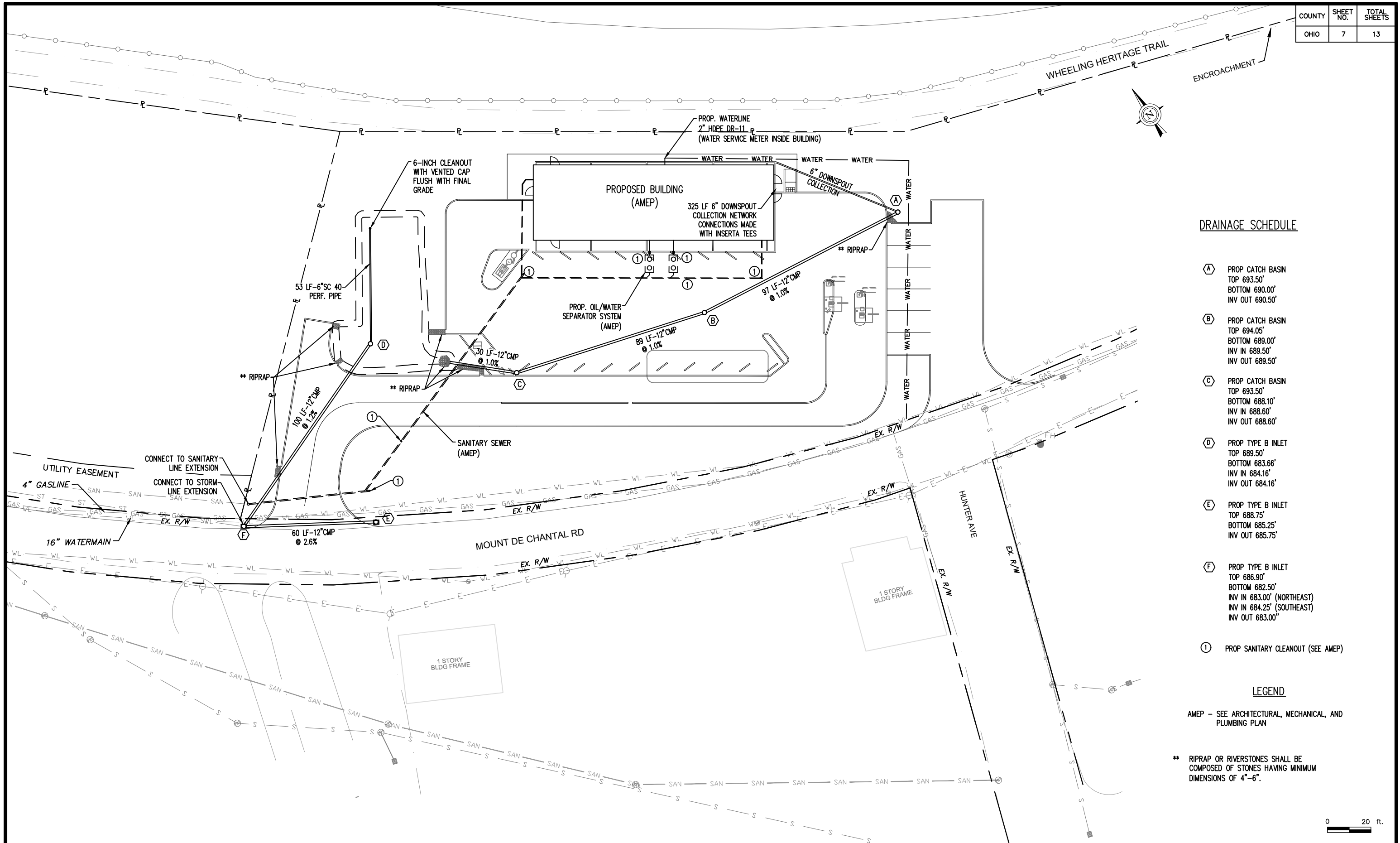


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**WASH-RITE CAR WASH  
WHEELING**

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**GRADING AND EROSION CONTROL PLAN**



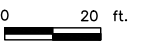
**DRAINAGE SCHEDULE**

- (A) PROP CATCH BASIN  
TOP 693.50'  
BOTTOM 690.00'  
INV OUT 690.50'
- (B) PROP CATCH BASIN  
TOP 694.05'  
BOTTOM 689.00'  
INV IN 689.50'  
INV OUT 689.50'
- (C) PROP CATCH BASIN  
TOP 693.50'  
BOTTOM 688.10'  
INV IN 688.60'  
INV OUT 688.60'
- (D) PROP TYPE B INLET  
TOP 689.50'  
BOTTOM 683.66'  
INV IN 684.16'  
INV OUT 684.16'
- (E) PROP TYPE B INLET  
TOP 688.75'  
BOTTOM 685.25'  
INV OUT 685.75'
- (F) PROP TYPE B INLET  
TOP 686.90'  
BOTTOM 682.50'  
INV IN 683.00' (NORTHEAST)  
INV IN 684.25' (SOUTHEAST)  
INV OUT 683.00'
- (1) PROP SANITARY CLEANOUT (SEE AMEP)

**LEGEND**

AMEP - SEE ARCHITECTURAL, MECHANICAL, AND PLUMBING PLAN

\*\* RIPRAP OR RIVERSTONES SHALL BE COMPOSED OF STONES HAVING MINIMUM DIMENSIONS OF 4"-6".



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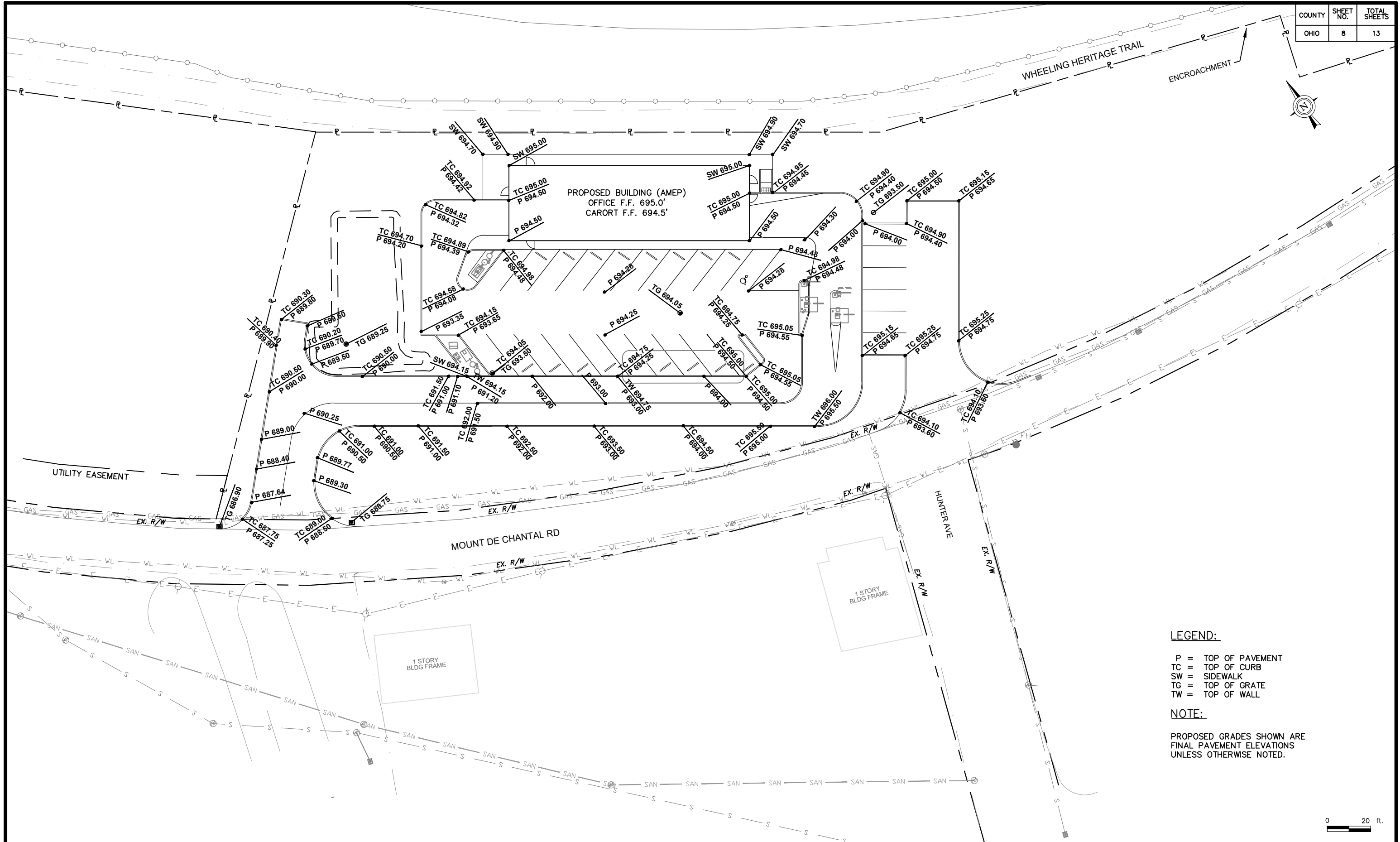


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**WASH-RITE CAR WASH  
WHEELING**

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**DRAINAGE AND UTILITY PLAN**

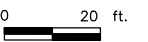


**LEGEND:**

- P = TOP OF PAVEMENT
- TC = TOP OF CURB
- SW = SIDEWALK
- TG = TOP OF GRATE
- TW = TOP OF WALL

**NOTE:**

PROPOSED GRADES SHOWN ARE FINAL PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.



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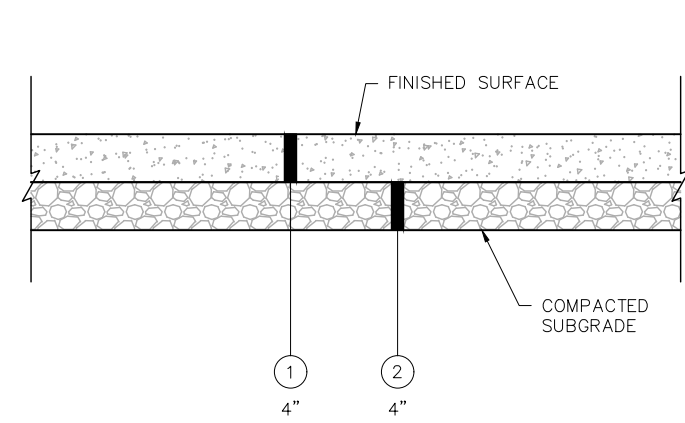
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**WASH-RITE CAR WASH  
 WHEELING**

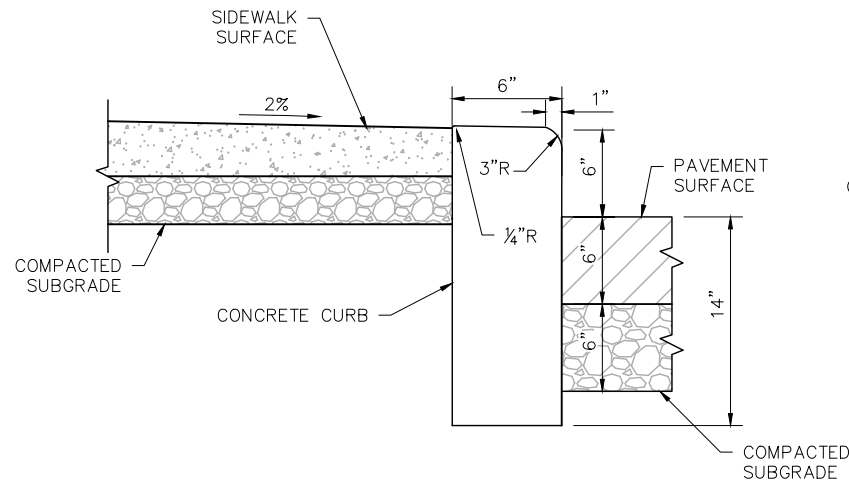
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**PAVEMENT ELEVATION PLAN**

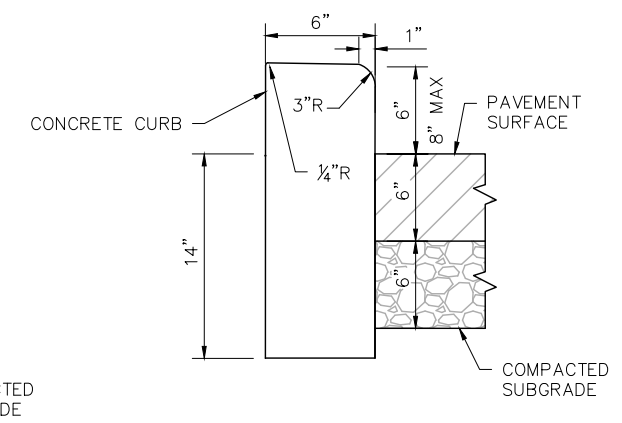


DESCRIPTION	UNIT
① ITEM 609001-001 CONCRETE SIDEWALK	SY
② ITEM 609002-001 BED COURSE MATERIAL	CY

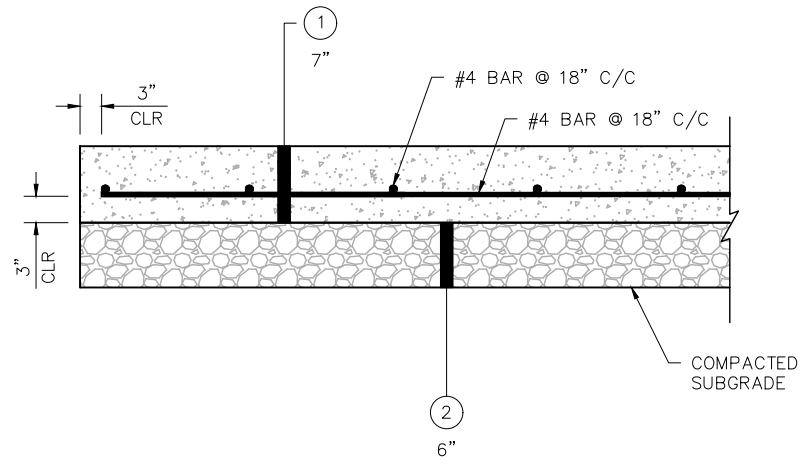
**SIDEWALK DETAIL**



**COMBINED CURB & SIDEWALK (AND MEDIAN CURB ISLAND)**



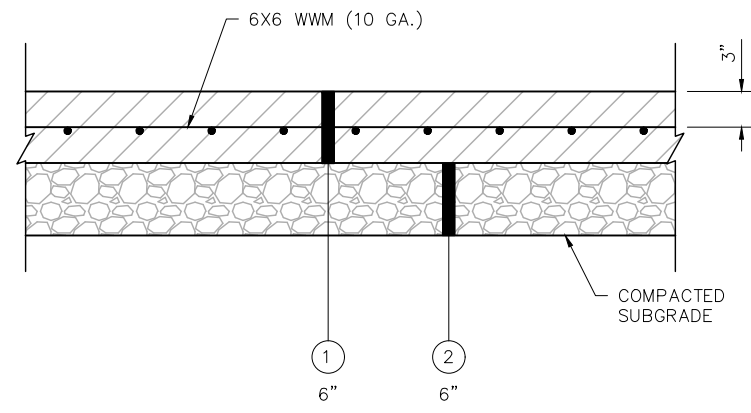
**PLAIN CONCRETE CURBING TYPE I (MODIFIED)**  
TO BE USED FOR CURB HEIGHTS 8" OR LESS.



DESCRIPTION	UNIT
① ITEM 601002-001 CLASS B CONCRETE	CY
② ITEM 307001-000 AGGREGATE BASE COURSE, CLASS I	CY

**DUMPSTER PAD DETAIL**

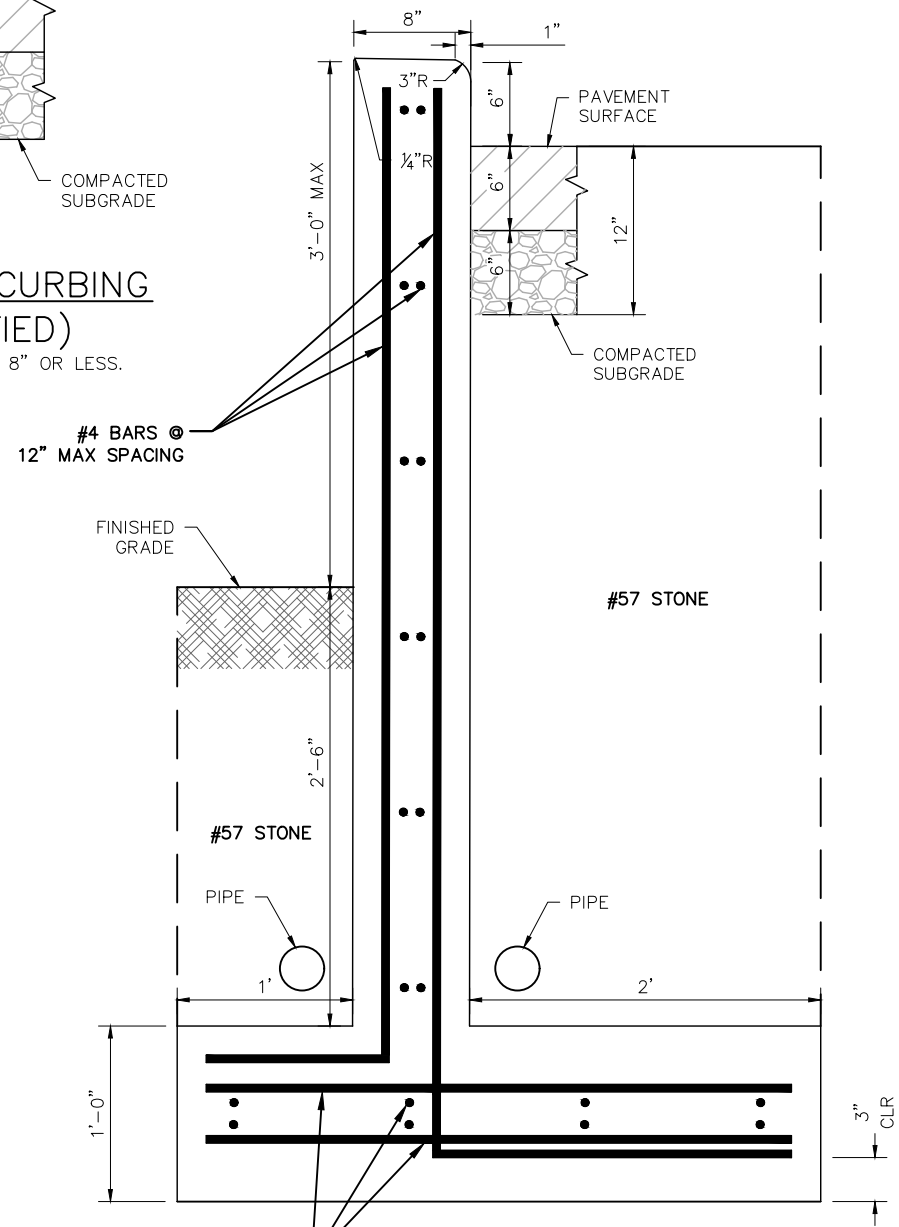
NO GEOTECHNICAL INFORMATION HAS BEEN PROVIDED FOR THIS SPECIFIC SITE. A FINAL DESIGN CAN BE PROVIDED IF A REPORT BECOMES AVAILABLE.



DESCRIPTION	UNIT
① ITEM 601002-001 CLASS B CONCRETE	CY
② ITEM 307001-000 AGGREGATE BASE COURSE, CLASS I	CY

**CONCRETE PAVEMENT DETAIL**

NO GEOTECHNICAL INFORMATION HAS BEEN PROVIDED FOR THIS SPECIFIC SITE. A FINAL DESIGN CAN BE PROVIDED IF A REPORT BECOMES AVAILABLE.



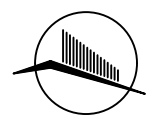
NOTE: ALL REINFORCEMENT SHALL BE 2" FROM EACH FACE UNLESS OTHERWISE NOTED.

**CONCRETE WALL**

TO BE USED FOR CURB HEIGHTS AND WALLS GREATER THAN 8" AND LESS THAN 36".

N.T.S.

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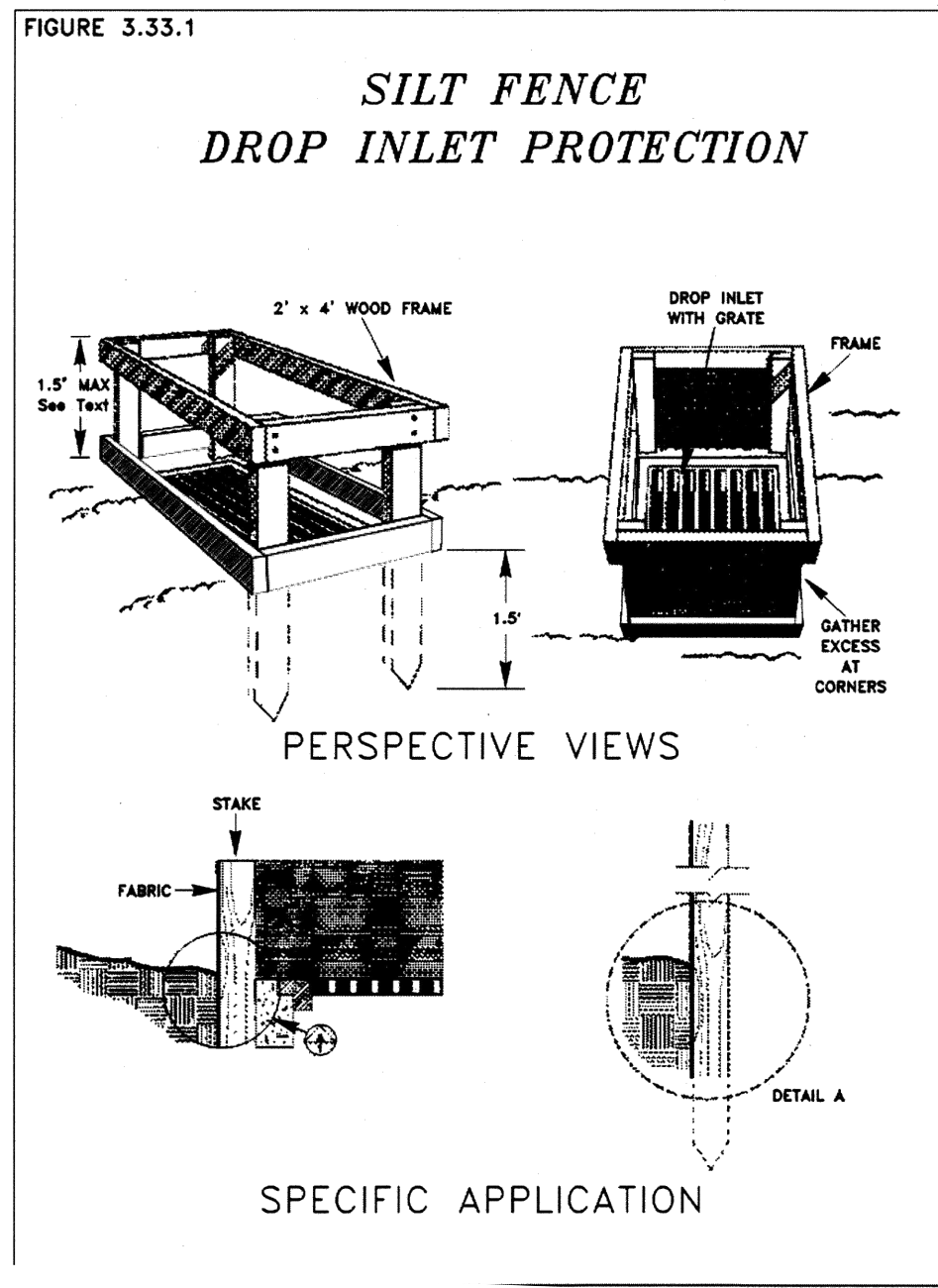


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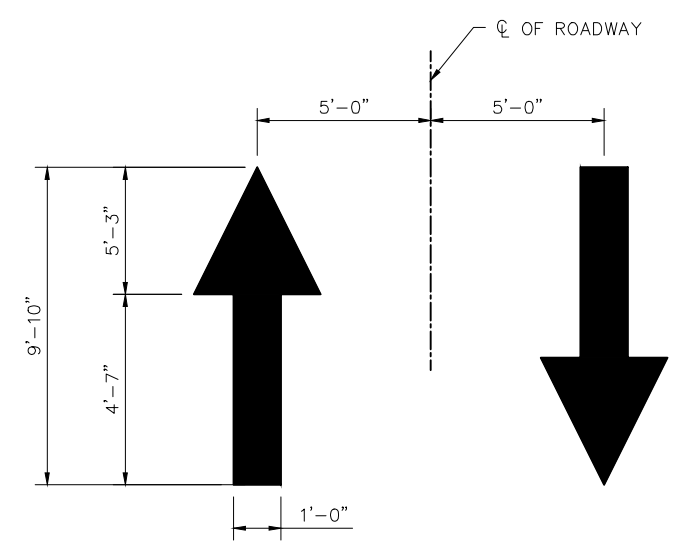
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**WASH-RITE CAR WASH WHEELING**

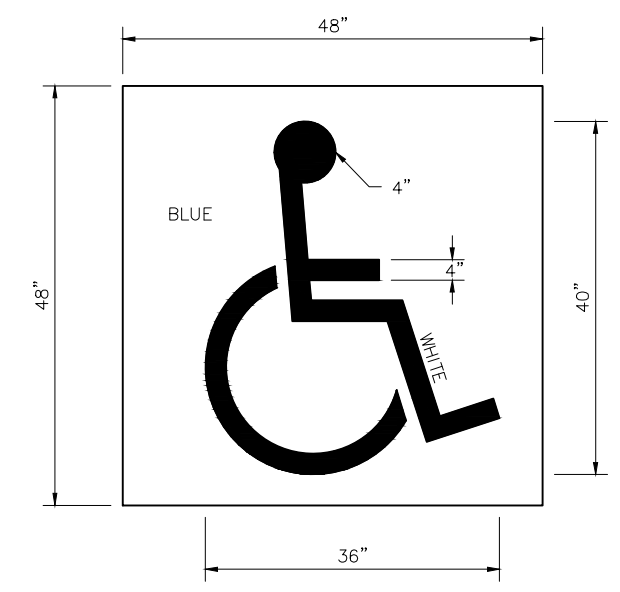
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
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**DETAIL SHEET**



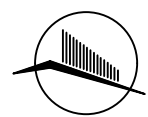
- NOTES:
- HANDICAP STRIPING TO MEET ADA REQUIREMENTS.
  - SIGN MOUNTED NO MORE THAN 5'-0" HORIZONTALLY FROM THE FRONT OF THE PARKING SPACE
  - ALL HANDICAPPED PARKING SIGNS SHALL BE MOUNTED AT 7 FEET FROM GRADE TO BOTTOM EDGE OF SIGN FACE.
  - REFER TO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) U.S. DEPARTMENT OF TRANSPORTATION.
  - SEE ARCHITECTURAL PLANS BY OTHERS FOR ADDITIONAL DETAILS.



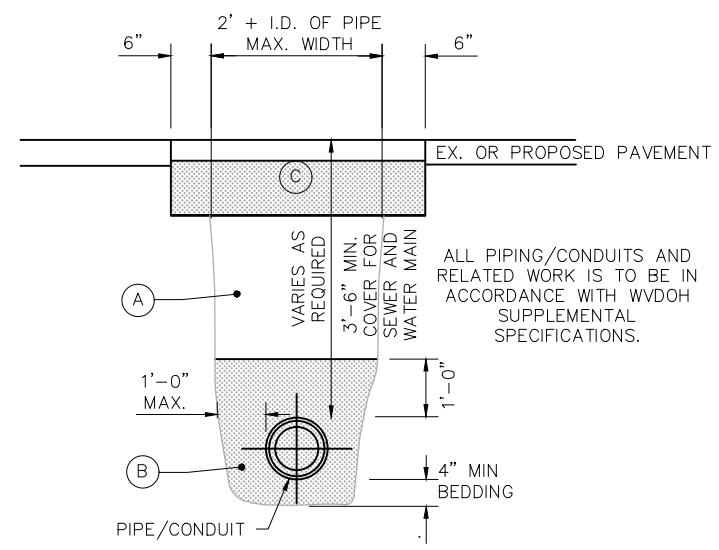
TRAFFIC FLOW DIRECTIONAL ARROW DETAIL



WVDOH HANDICAPPED ACCESSIBLE SYMBOL

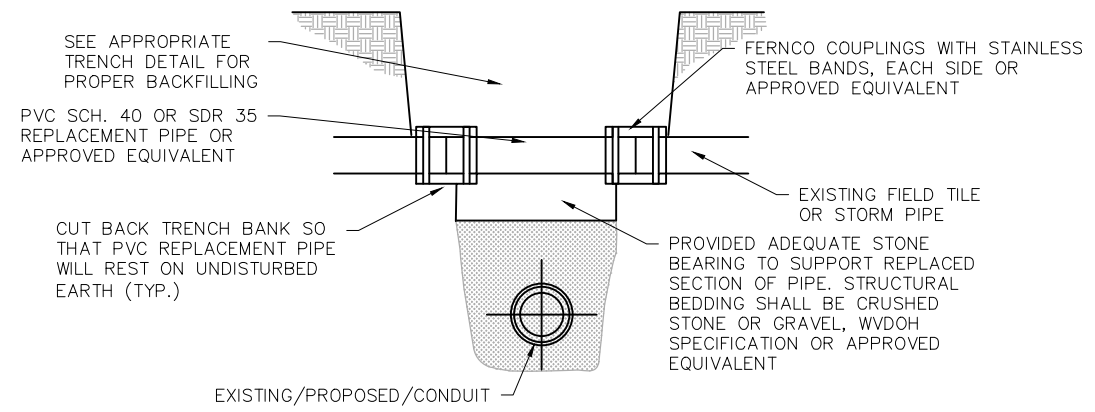


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**PIPELINE TRENCH DETAIL**

N.T.S.

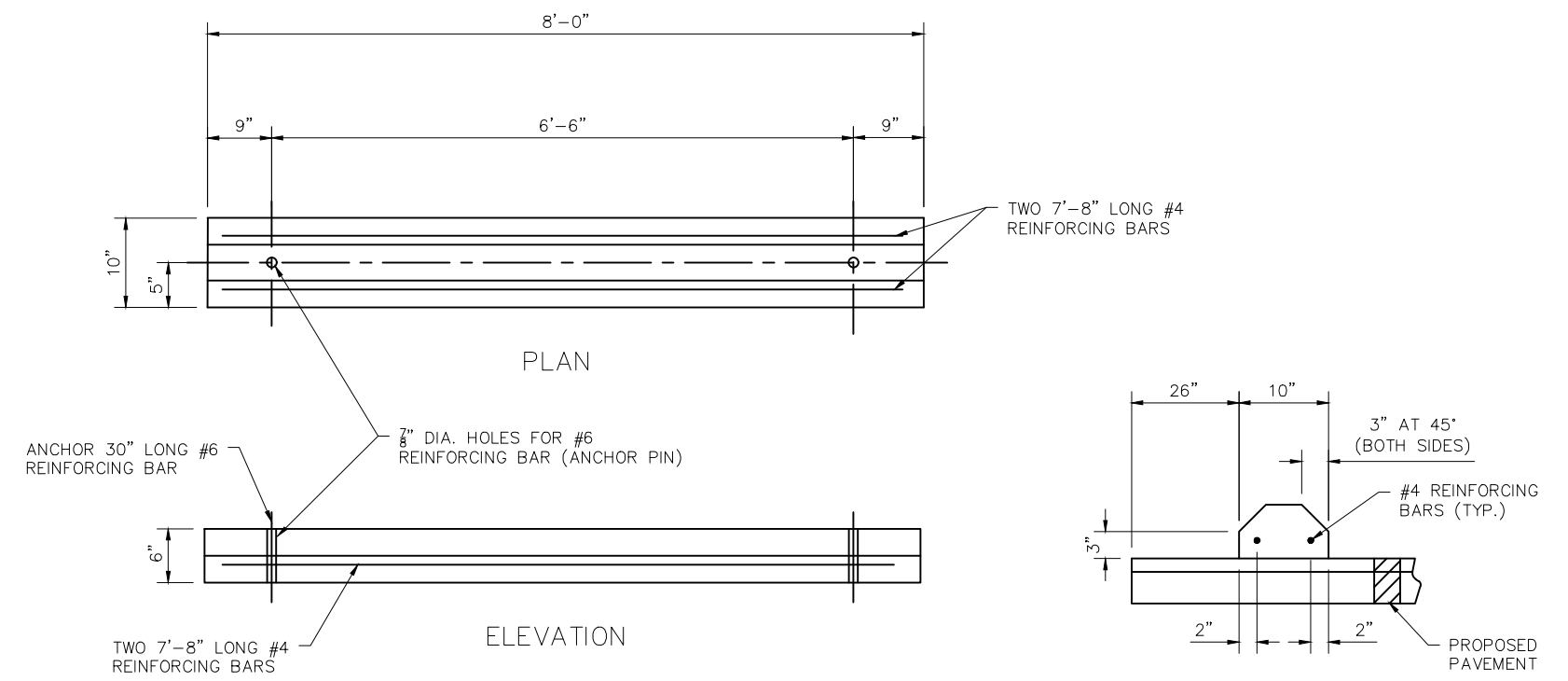


**REPAIR OF EXISTING FIELD TILE OR STORM PIPE DETAIL**

N.T.S.

**TRENCH DETAIL NOTES**

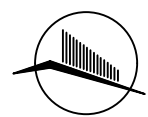
1. THE OPEN ENDS OF ALL PIPES AND SPECIAL CASTINGS SHALL BE PLUGGED OR OTHERWISE CLOSED WITH WATERTIGHT PLUG TO THE APPROVAL OF THE GOVERNING AGENCY BEFORE LEAVING THE WORK FOR THE NIGHT.
  2. ALL PVC WATER LINES SHALL HAVE TRACER WIRE INSTALLED.  
ALL TRENCH EDGES NOT UNDER OR WITHIN 5' OF PROPOSED OR EXISTING BUILDINGS, PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREAS, OR WALKS CAN BE COMPACTED EXISTING NATIVE MATERIAL IN 12" MAXIMUM LIFTS OR AS APPROVED BY THE OWNER REPRESENTATIVE. NO MATERIAL SHALL BE USED FOR BACKFILLING THAT CONTAINS STONE, ROCKS, ETC., GREATER THAN 3" IN DIAMETER.
- (A) ALL TRENCH EDGES UNDER OR WITHIN 5' OF PROPOSED OR EXISTING BUILDINGS, PAVEMENT, CURB, DRIVEWAYS, ALLEYS, WALKS, OR STONE AREAS SHALL BE STRUCTURAL BACKFILL MATERIAL. SPECIFICATION 307 CRUSHED STONE IN 6" MAXIMUM LIFTS UNLESS OTHERWISE APPROVED DEPENDING ON COMPACTING METHOD AND EQUIPMENT. IF UNDER EXISTING OR PROPOSED ROADWAYS BACKFILL SHALL CONSIST OF LOW STRENGTH MORTAR BACKFILL. A DENSITY TEST ON STRUCTURAL BACKFILL OF 98% OF ASTM D698 STANDARD PROCTOR CURVE MAY BE REQUIRED TO BE PERFORMED BY A COMMERCIAL TESTING LAB SATISFACTORY TO THE OWNER'S REPRESENTATIVE.
- (B) STRUCTURAL BEDDING SHALL BE PER WVDOH SPECIFICATIONS, OR OTHER APPROVED EQUIVALENT. FOR WATER LINES, STRUCTURAL BEDDING SHALL BE WASHED NATURAL GRAVEL (NO LIMESTONE), WVDOH SPECIFICATIONS.
- (C) OFF-PAVEMENT AREAS SHALL BE PROVIDED WITH A MINIMUM OF 12" OF TOPSOIL OVER THE COMPACTED NATIVE MATERIAL AND THEN SEEDED AND MULCHED.  
IN-PAVEMENT AREAS:  
SEE PAVEMENT COMPOSITION. WHERE THE EXISTING PAVEMENT IS THICKER, THE CONTRACTOR SHALL INCREASE THE PAVEMENT THICKNESS TO MATCH EXISTING.



**CONCRETE PARKING BLOCK DETAIL**

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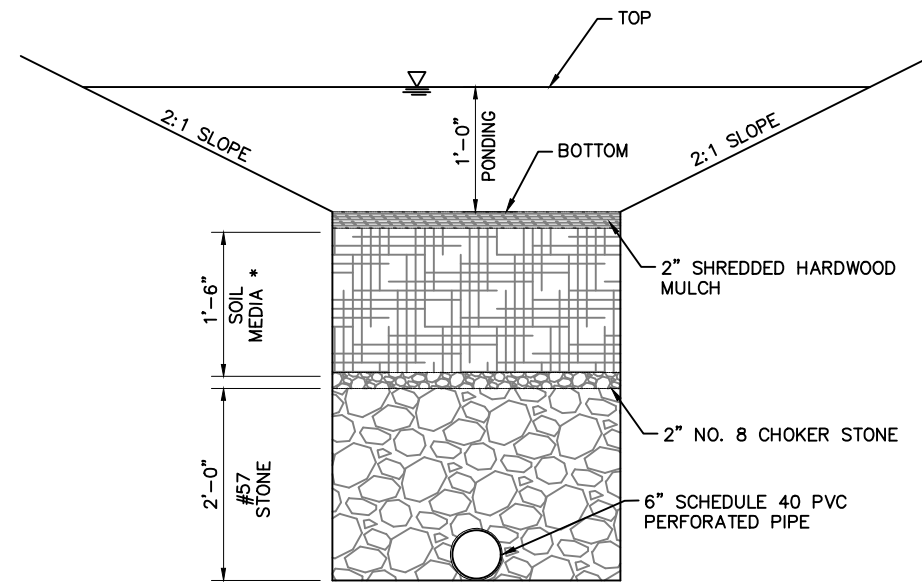


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REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

**WASH-RITE CAR WASH  
WHEELING**

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**DETAIL SHEET**



MS4 TYPICAL SECTION

N.T.S.

MAINTENANCE TASKS FOR BIORETENTION BASIN	FREQUENCY
<ul style="list-style-type: none"> <li>FOR THE FIRST 6 MONTHS FOLLOWING CONSTRUCTION, THE PRACTICE AND CDA (CONTRIBUTING DRAINAGE AREA) SHOULD BE INSPECTED AT LEAST TWICE AFTER STORM EVENTS THAT EXCEED ½ IN. OF RAINFALL. CONDUCT ANY NEEDED REPAIRS OR STABILIZATION.</li> <li>INSPECTORS SHOULD LOOK FOR BARE OR ERODING AREAS IN THE CDS OR AROUND THE BIORETENTION AREA, AND MAKE SURE THEY ARE IMMEDIATELY STABILIZED WITH GRASS COVER.</li> <li>ONE-TIME, SPOT FERTILIZATION MAY BE NEEDED FOR INITIAL PLANTINGS.</li> <li>WATERING IS NEEDED ONCE A WEEK DURING THE FIRST 2 MONTHS, AND THEN AS NEEDED DURING THE FIRST GROWING SEASON (APRIL-OCTOBER), DEPENDING ON RAINFALL.</li> <li>REMOVE AND REPLACE DEAD PLANTS. UP TO 10% OF THE PLANT STOCK MAY DIE OFF IN THE FIRST YEAR, SO CONSTRUCTION CONTRACTS SHOULD INCLUDE A CARE AND REPLACEMENT WARRANTY TO ENSURE THAT VEGETATION IS PROPERLY ESTABLISHED AND SURVIVES DURING THE FIRST GROWING SEASON FOLLOWING CONSTRUCTION.</li> </ul>	UPON ESTABLISHMENT
<ul style="list-style-type: none"> <li>MOWING OF GRASS FILTER STRIPS AND BIORETENTION WITH TURF COVER.</li> <li>CHECK CURB CUTS AND INLETS FOR ACCUMULATED GRIT, LEAVES, AND DEBRIS THAT MAY BLOCK INFLOW.</li> </ul>	AT LEAST 4 TIMES A YEAR
<ul style="list-style-type: none"> <li>SPOT WEEDING, TRASH REMOVAL, AND MULCH RAKING.</li> </ul>	TWICE DURING GROWING SEASON
<ul style="list-style-type: none"> <li>ADD REINFORCEMENT PLANTING TO MAINTAIN THE DESIRED VEGETATION DENSITY.</li> <li>REMOVE INVASIVE PLANTS USING RECOMMENDED CONTROL METHODS.</li> <li>REMOVE ANY DEAD OR DISEASED PLANTS.</li> <li>STABILIZE THE CDA TO PREVENT EROSION.</li> </ul>	AS NEEDED
<ul style="list-style-type: none"> <li>CONDUCT A MAINTENANCE INSPECTION.</li> <li>SUPPLEMENT MULCH IN DEVOID AREAS TO MAINTAIN A 2 INCH LAYER.</li> <li>PRUNE TREES AND SHRUBS.</li> <li>REMOVE SEDIMENT IN INFLOW POINTS.</li> </ul>	ANNUALLY
<ul style="list-style-type: none"> <li>REMOVE AND REPLACE THE MULCH LAYER.</li> </ul>	ONCE EVERY 2 TO 3 YEARS

ACCEPTABLE BIORETENTION BASIN PLANT LIST:

SHRUBS

- CRANBERRY, (VACCINIUM MACROCARPON)
- LOWBUSH BLUEBERRY, (VACCINIUM ANGUSTIFOLIUM)
- ELDERBERRY, (SAMBACUS NIGRA SSP. CANADENSIS)

GRASSES

- SHALLOW SEDGE, (CAREX LURIDA)
- SWITCH GRASS, (PANICUM VIRGATUM)
- LITTLE BLUESTEM, (SCHIZACHYRIUM SCOPARIUM)

FERNS

- SOUTHERN LADY FERN, (ATHYRIUM FILIX-FEMINA)
- MARGINAL WOODFERN, (DRYOPTERIS MARGINALIS)
- ROYAL FERN, (OSMUNDA REGALIS)

\* SOIL MEDIA SHALL BE A MIXTURE OF APPROXIMATELY 70-88% SAND, 8-26% TOPSOIL, AND 3-5% ORGANIC MATTER.

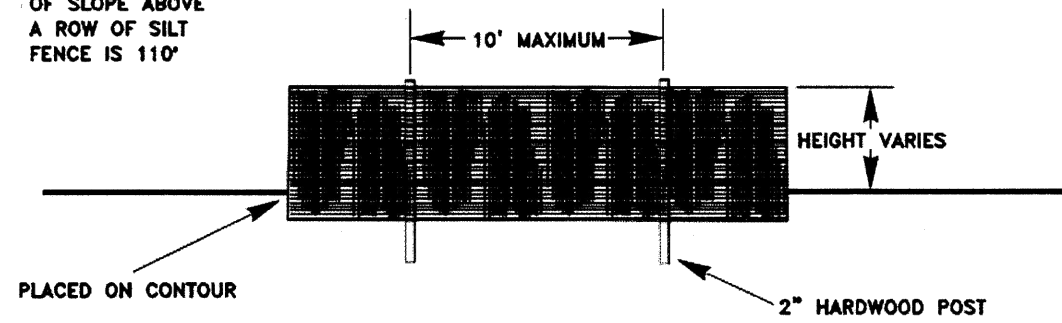


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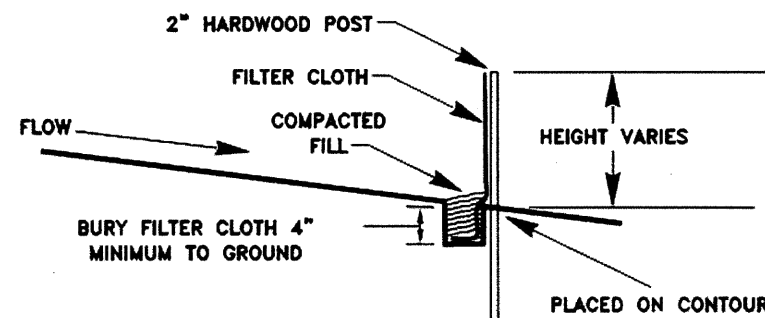
FIGURE 3.27.2

### SILT FENCE

NOTE:  
THE MAXIMUM LENGTH  
OF SLOPE ABOVE  
A ROW OF SILT  
FENCE IS 110'



### FRONT ELEVATION



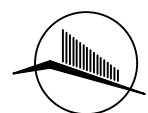
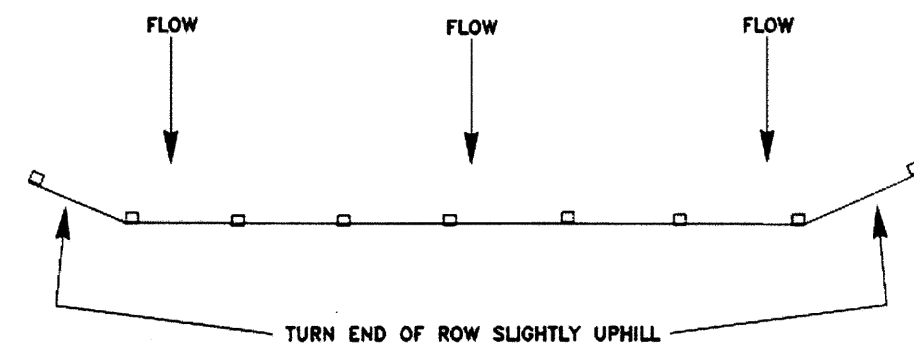
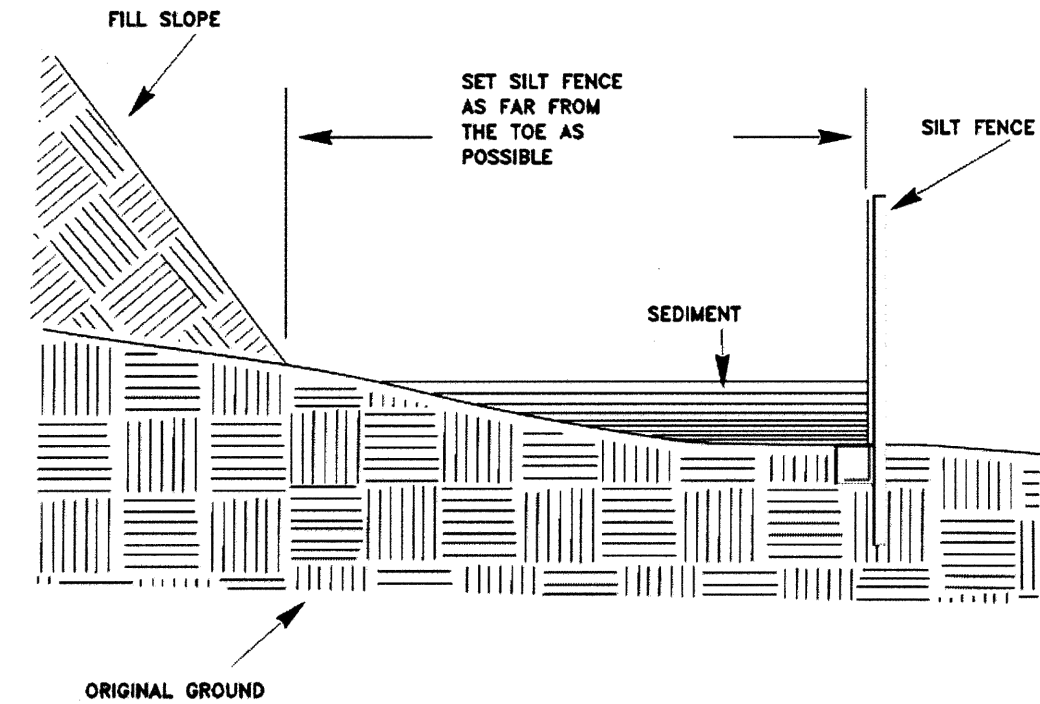
### SIDE ELEVATION



### TOP VIEW

FIGURE 3.27.1

### PLACEMENT OF SILT FENCE



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