PROJECT NARRATIVE

PROPOSED CONSTRUCTION OF A BURGER KING RESTAURANT ON A VACANT 2.287 ACRES LOT.

BENCHMARKS

ALL BENCH MARKS AND ELEVATIONS SHOWN UPON THIS PLAN ARE BASED ON THE (NAVD 88) NORTH AMERICAN VERTICAL DATUM OF 2011 (U.S. SURVEY FEET):

NOTCH SET ON THE SOUTHWEST CORNER OF A 2'x2' CATCH BASIN, 11 FEET FROM THE EAST EDGE OF PAVEMENT, AS SHOWN ON PLAN.

> ELEV = 757.72 NORTHING = 5223222.58 EASTING = 1411650.75

BENCHMARK - 2

1/2 INCH IRON PIPE & CAP, 44 FEET NORTH OF A SANITARY MANHOLE, 15 FEET FROM THE EAST EDGE OF PAVEMENT, AS SHOWN ON PLAN.

ELEV = 758.76 NORTHING = 522175.71 EASTING = 1411701.96

UTILITY CONTACTS

GAS COMPANY DUKE ENERGY MIKE FABENDER PH. 513.287.4718 DUKE ENERGY

MIKE FABENDER PH. 513.287.4718 **COMMUNICATION**

CINCINNATI BELL TELEPHONE 201 E. FOURTH ST CINCINNATI, OHIO 45201 NANCY MORRIS PH. 513.566.8039

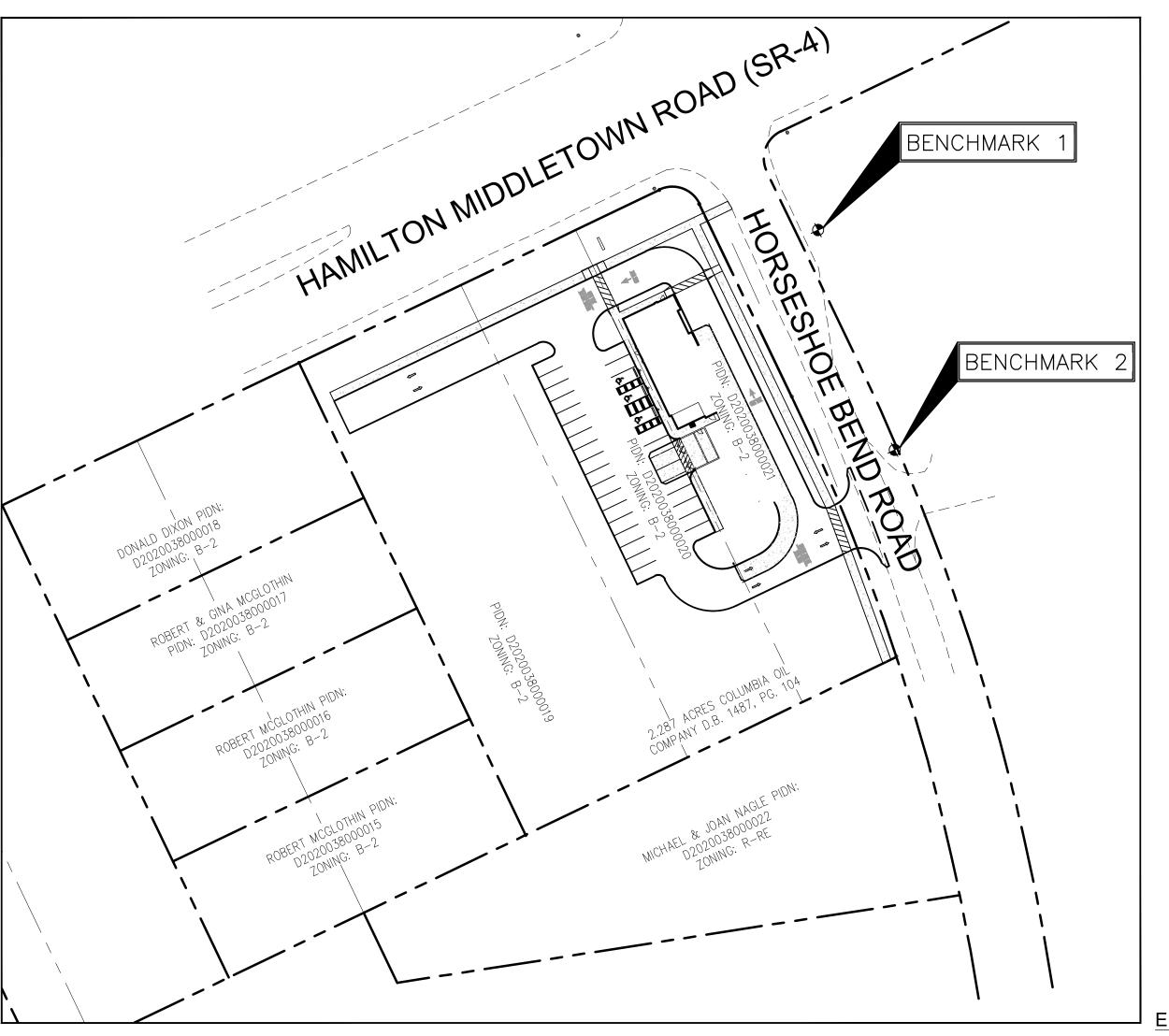
WATER AND SANITARY SEWERS
BUTLER COUNTY ENVIRONMENTAL SERVICES 130 HIGH ST SIXTH FLOOR HAMILTON, OHIO 45011 MARTHA SHELBY, P.E. PH. 513.887.5699

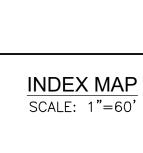
BUTLER COUNTY ENGINEERS OFFICE 1921 FAIRGROVE AVE. HAMILTON, OHIO 45011 DALE SCHWEITERMAN, P.E. PH. 513.785.4110

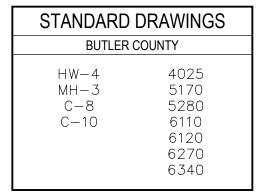


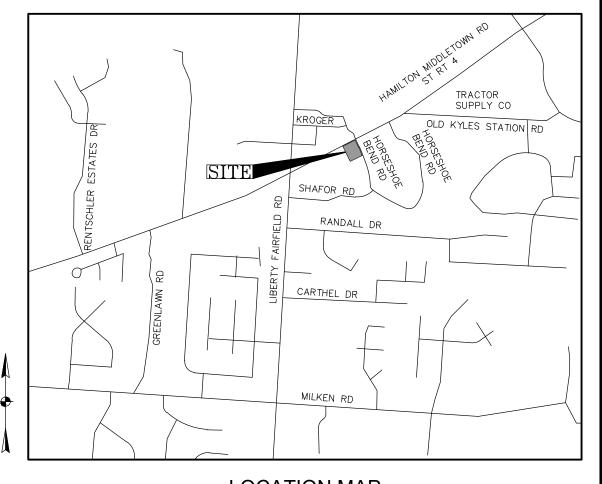
SITE CONSTRUCTION DRAWINGS FOR **BURGER KING**

HORSESHOE BEND ROAD LIBERTY TWP, BUTLER COUNTY, OHIO 2018









LOCATION MAP NOT TO SCALE

DEVELOPER:

CARROLS CORPORATION
968 JAMES STREET
SYRACUSE, NY 13203
CONTACT: AMANDA ALDRIDGE
PHONE: 901.515.6865

OWNER:

THE COLUMBIA OIL COMPANY 4951 HAMILTON MIDDLETOWN ROAD HAMILTON, OH 45011 CONTACT: JAMES MEGGINSON PHONE: 513-967-2123

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ENGINEER



EMAIL ADDRESS:

STEVEN E. FOX, P.E. MAILING ADDRESS: 1160 DUBLIN ROAD, SUITE 100 COLUMBUS, OH 43215-1052 (614) 441-4222ŠFOX@MANNIKSMITHGROUP.COM

DATE

OHIO REGISTERED PROFESSIONAL ENGINEER

BURGER KING HORSESHOE BEND RD. LIBERTY TWP, OHIO

ALL CONSTRUCTION SHALL CONFORM TO THE BUTLER COUNTY SUBDIVISION REGULATIONS AND TO THE LATEST EDITION OF THE THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS AND ALL REVISIONS THERETO.

EARTHWORK-GENERAL

DETERMINATION OF SITE EARTHWORK EXCAVATION AND EMBANKMENT QUANTITIES SHALL BE IN ACCORDANCE WITH THE FOLLOWING CRITERIA:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUITABILITY OF SOILS TO BE USED AS EMBANKMENTS FOR PARKING LOTS, BUILDING PADS, ETC.

STOCKPILING OF TOPSOIL AND/OR EXCESS MATERIAL FOR THESE IMPROVEMENTS OR OFFSITE HAULING OF TOPSOIL/SUITABLE MATERIAL, ETC. SHALL BE COORDINATED WITH THE OWNER. APPROPRIATE MEANS FOR SEDIMENTATION CONTROL OF THE ONSITE STOCKPILES SHALL BE PROVIDED AS A MATTER OF GENERAL PRACTICE IN ACCORDANCE WITH THE REQUIRED STANDARDS REFERENCED AS A PART OF THE SEDIMENT AND EROSION DETAILS. IT IS THE CONTRACTORS RESPONSIBILITY TO ASSURE THAT A SUFFICIENT AMOUNT OF TOPSOIL REMAINS SO THAT ANY LANDSCAPING AND LANDSCAPE MOUNDING CAN BE COMPLETED.

SURFACE GRADING TOLERANCE FOR HARD SURFACE AREAS (PARKING LOTS, ROADWAYS, DRIVES, CURBS, ETC.) SHALL NOT DEVIATE MORE THAN 0.1' AT PROPOSED SUBGRADE SURFACE. LANDSCAPE GRADING TOLERANCE SHALL NOT DEVIATE MORE THAN 0.3' FROM PROPOSED SURFACE ELEVATION.

GENERAL SITE EARTHWORK OPERATIONS (PREPARATION OF PAVEMENT SUBGRADES, ETC.) ALONG WITH REQUIREMENT STANDARDS (COMPACTION, PROOFROLLING, ETC.) SHALL BE IN ACCORDANCE WITH THE SOILS REPORT. COPIES OF THE SOILS REPORT SHOULD BE OBTAINED FROM THE OWNER OR OWNER'S REPRESENTATIVE.

ALL EARTHWORK OPERATIONS SHALL BE OBSERVED AND TESTED BY THE SITE SOILS ENGINEER EMPLOYED AND PAID FOR BY THE OWNER. ADDITIONALLY, ALL FINAL GRADES SHALL BE FIELD CHECKED BY AN AGENT OF THE OWNER UPON COMPLETION OF CONTRACTOR'S OPERATIONS TO DETERMINE IF THE SITE HAS BEEN CONSTRUCTED TO THE GRADES INDICATED.

TEMPORARY AND/OR PERMANENT SEEDING WITHIN THE DESIGNATED WORK LIMITS SHALL BE PERFORMED AT THE DIRECTION OF THE OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. REQUIREMENTS FOR SEEDING MIX, RATE OF APPLICATION, ETC. SHALL AS SHOWN ON THE LANDSCAPE PLAN.

NON-RUBBER TIRED VEHICLES

NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON PUBLIC STREETS, EXISTING PRIVATE ROADWAYS OR PARKING LOTS. NO EXCEPTIONS SHALL BE GRANTED.

<u>PERMITS</u>

THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS. AN ORIGINAL PERMIT WITH SIGNATURES SHALL BE KEPT ONSITE AT ALL TIMES.

SITE VISIT

THE CONTRACTOR SHALL PERFORM FIELD RECONNAISSANCE TO BECOME ACQUAINTED WITH THE EXISTING SITE CONDITIONS AND THE POTENTIAL AFFECTS UPON THE WORK SCOPE. ANY PERFORMANCE OF ADDITIONAL SITE SUBSURFACE INVESTIGATIONS (TEST HOLES) SHALL BE COORDINATED IN ADVANCE WITH THE OWNER AS WARRANTED. EXCAVATED MATERIAL SHALL BE REPLACED IN A CONTROLLED MANNER TO MINIMIZE IMPACT ON FIELD EARTHWORK OPERATIONS.

TRENCHES

ALL TRENCHES THAT CROSS PAVEMENT OR WHERE THE FRONT FACE OF TRENCHES, PARALLELING THE PAVEMENT IS WITHIN 24" OF THE FACE OF CURB OR EDGE OF PAVEMENT SHALL BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL AS PER ITEM 304. THE MATERIAL SHALL EXTEND LATERALLY 36" BEYOND FACE OF CURB OR EDGE OF PAVEMENT. OTHER AREAS OUTSIDE ABOVE REQUIREMENT SHALL BE COMPACTED AS PER ODOT ITEM 611 (STORM SEWER), ODOT ITEM 638 (WATER MAIN).

STORAGE OF EQUIPMENT AND MATERIALS

NO MATERIALS OR EQUIPMENT SHALL BE STORED WITHIN THE RIGHT-OF-WAY OR WITHIN ONE HUNDRED (100) FEET OF ANY INTERSECTING STREET OR DRIVEWAY. COMPLIANCE WITH THESE REQUIREMENTS ALONG WITH ADDITIONAL PROVISIONS OF THE CONTRACT SPECIFICATIONS SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS LEGAL RESPONSIBILITIES OR LIABILITIES FOR THE SAFETY OF THE PUBLIC. THE CONTRACTOR SHALL INDICATE HIS INTENT WITH REGARD TO STORAGE AT THE PRECONSTRUCTION MEETING.

SITE UTILITIES

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE ROUTING OF THE PROPOSED PRIVATE UTILITY SERVICES. THE ROUTING OF THE PROPOSED PRIVATE UTILITY SERVICES SHALL BE ADJUSTED IN THE FIELD AS NEEDED TO AVOID CONFLICTS WITH EXISTING UTILITIES AND EACH OTHER.

CONTRACTOR SHALL COORDINATE THE FINAL LOCATIONS OF THE PRIVATE UTILITY SERVICE CONNECTION POINTS AT THE BUILDING PERIMETER WITH THE MOST CURRENT APPROVED BUILDING MECHANICAL SYSTEM DRAWINGS. THE ROUTING OF THE PRIVATE UTILITY SERVICES SHALL BE FIELD ADJUSTED AS NEEDED TO MEET THE PROPOSED CONNECTION POINTS.

ROOF DRAINS

CONTRACTOR TO USE P.V.C. SEWER PIPE IN ACCORDANCE WITH ASTM D3034 AND WITH ODOT 720 WITH JOINTS PER ASTM D3212 FOR ROOF DRAIN PIPE. REFERENCE MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR SIZES OF ROOF DRAINS.

ALL PIPE FITTINGS FOR THE ROOF DRAINS ARE TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM SPEC. ROOF DRAINS, COMPLETE; UP TO 5' FROM THE BUILDING.

ALL BEDDING FOR ROOF DRAIN PIPE SHALL BE IN ACCORDANCE WITH ODOT 603.06 (TYPE 2 BEDDING).

ROOF DRAINS SHALL BE INSTALLED PER THE SLOPE DESIGNATED IN THE PLANS. IF SLOPE IS NOT DESIGNATED ON THE PLANS ROOF DRAINS SHALL BE INSTALLED AT A 1.00% MINIMUM SLOPE.

GRADING NOTES

ALL EROSION AND SEDIMENTATION CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF THE BUTLER COUNTY ENGINEER, PROJECT ENGINEER AND/OR THE OHIO EPA.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING EARTHWORK CALCULATIONS AND INCLUDING THE NECESSARY IMPORTING OR EXPORTING OF SOIL IN THE BASE BID.

ALL FILL PLACED FOR BUILDING PADS SHALL BE DONE SO IN ACCORDANCE WITH AND UNDER THE OBSERVATION OF A REGISTERED SOILS ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE TO EMPLOY THE SERVICES OF A REGISTERED SOILS ENGINEER TO INSURE THE SUBGRADE HAS BEEN COMPACTED IN ACCORDANCE WITH ODOT ITEM 203 AND THE RECOMMENDATIONS OF THE SOILS ENGINEER.

BACKFILL OF UTILITY TRENCHES SHALL CONFORM TO THE SPECIFICATIONS, AS DELINEATED ON THE SEWER PROFILES.

RESTORATION AND CLEAN UP

INCONVENIENCE TO THE ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC SHALL BE KEPT TO AN ABSOLUTE MINIMUM. ALL WORK IS TO CONTINUE ON A UNIFORM BASIS AND ON SCHEDULE, PARTICULARLY THE RESTORATION AND CLEAN UP OF DISTURBED AREAS AFTER CONSTRUCTION.

ALL FENCES, SIGNS, DRAINAGE STRUCTURES, VALVES, LANDSCAPING, ETC. REMOVED, DISTURBED OR DAMAGED DURING WORK WITHIN PUBLIC RIGHT-OF-WAYS, EASEMENT AREAS AND/OR UNDER THE PROJECT IMPROVEMENTS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED.

PAYMENT FOR SAME SHALL BE INCLUDED IN THE PRICE BID FOR SITE RESTORATION.

CONVENIENCE FACILITIES

THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR THE WORKMEN AND INSPECTORS FOR THE DURATION OF THE WORK. COST SHALL BE INCLUDED IN THE PRICE BID MOBILIZATION.

DUST CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DUST CONTROL MEASURES IN ACCORDANCE WITH ODOT ITEM 616. DUST CONTROL OPERATIONS SHALL BE PERFORMED ON A PERIODIC BASIS AND/OR AS DIRECTED BY THE OWNER OR ENGINEER TO ALLEVIATE OR PREVENT THE DUST NUISANCE ORIGINATING WITHIN THE PROJECT WORK LIMITS. CALCIUM CHLORIDE ON AREAS TO BE SEEDED AND MULCHED WILL NOT BE PERMITTED.

BUILDING/SITE UTILITY CONNECTIONS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE ARCHITECT AND THE MECHANICAL ENGINEER FOR THE FINAL LOCATION OF UTILITY SERVICES INTO THE BUILDING AND ANY CONNECTIONS APPURTENANCES NECESSARY BETWEEN THE BUILDING AND SITE UTILITY SERVICES.

RIGHTS-OF-WAY

IN ADDITION TO DIRECT REQUIREMENTS OF THE CONTRACT SPECIFICATIONS, THE CONTRACTOR SHALL OBSERVE AND CONFORM TO THE SPECIFIC REQUIREMENTS OF ALL RIGHTS-OF-WAY, INCLUDING EASEMENTS, COURT ENTRIES, RIGHTS-OF-ENTRY, OR ACTION FILED IN COURT IN ACCORDANCE WITH THE CODE OF APPLICABLE GOVERNING AGENCY. THE COST OF THE OPERATIONS NECESSARY TO FULFILL SUCH REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE STORM SEWER IMPROVEMENT.

EXISTING UTILITIES

WHERE POTENTIAL GRADE CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES AND AT LOCATIONS NOTED THUS, THE CONTRACTOR WILL BE REQUIRED TO UNCOVER SUCH UTILITIES SUFFICIENTLY IN ADVANCE OF LAYING PIPE OR DUCT AND PROVIDE THE ENGINEER THE LOCATION AND ELEVATION OF SAID UTILITY SO THEY CAN DETERMINE IF ANY ADJUSTMENTS ARE NECESSARY

THE NOTIFICATION OF AFFECTED UTILITY OWNERS IN ADVANCE OF CONSTRUCTION AND EXACT LOCATION AND PROTECTION OF UTILITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF THE SAME AND FOR ANY RESULTING CONTINGENT DAMAGE.

MISCELLANEOUS CONSTRUCTION NOTES

THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCH MARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASES OF WILLFUL OR CARELESS DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATIONS. RESETTING OF MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR AS APPROVED BY THE COUNTY ENGINEER.

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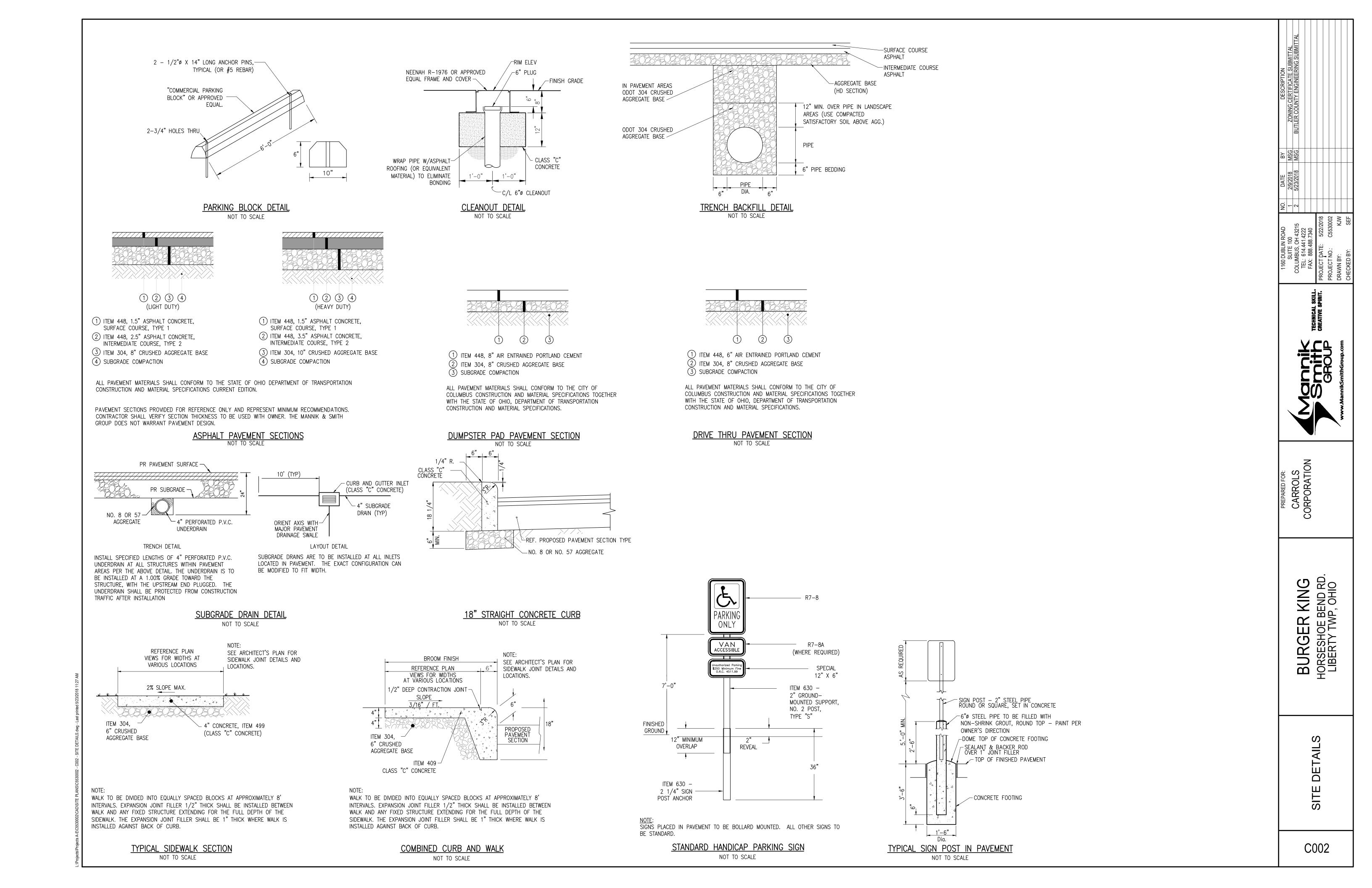
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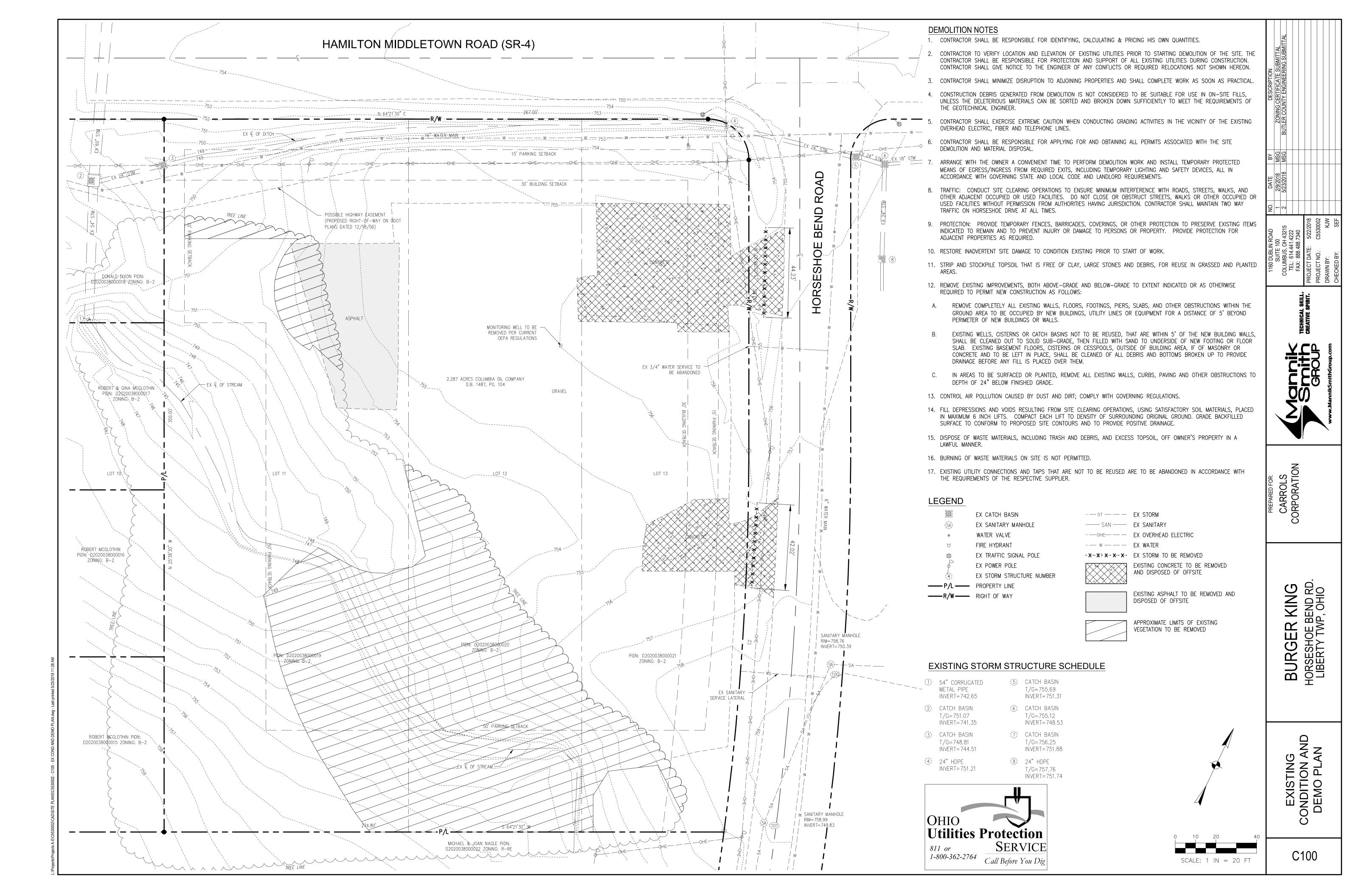
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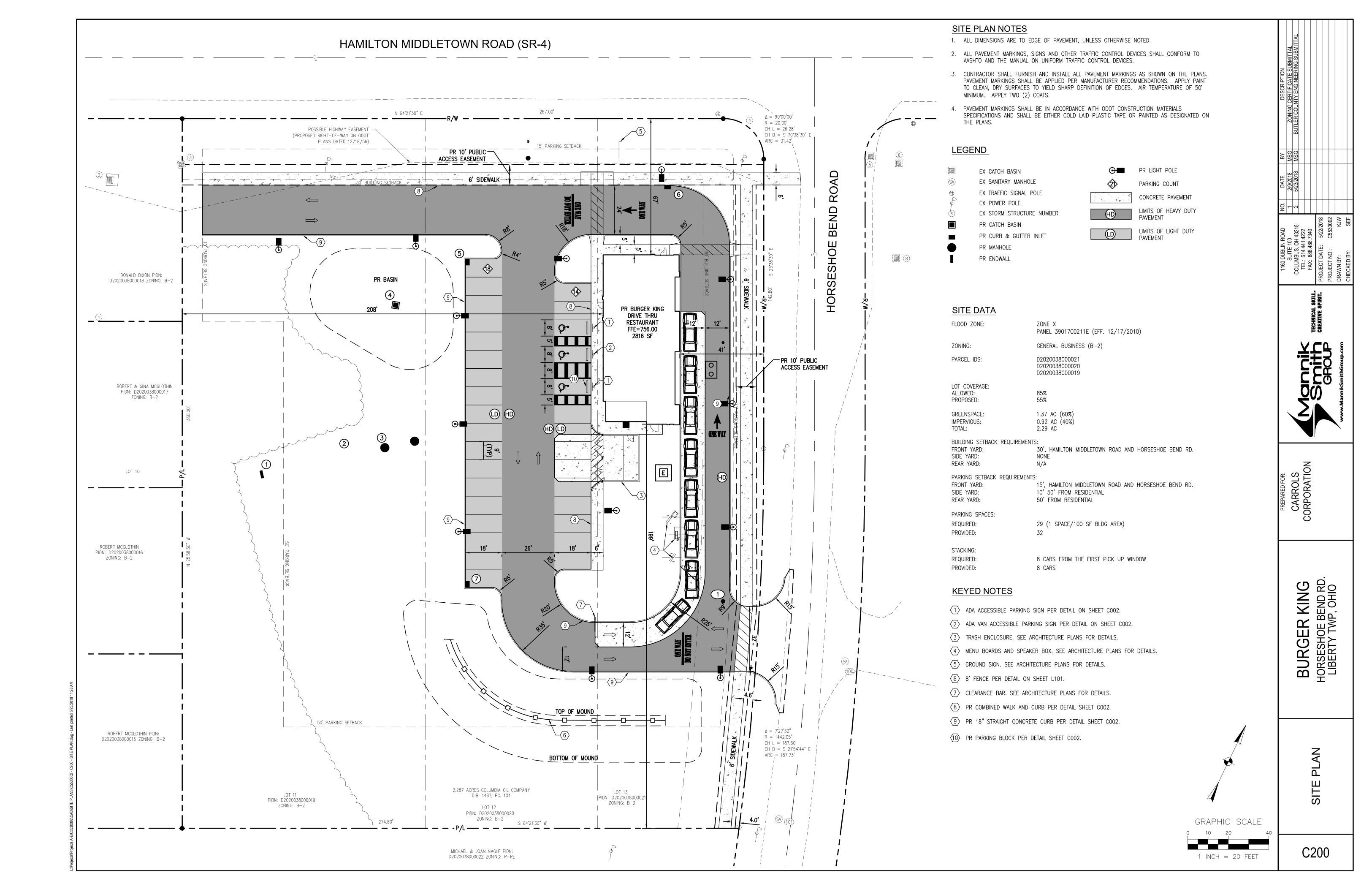
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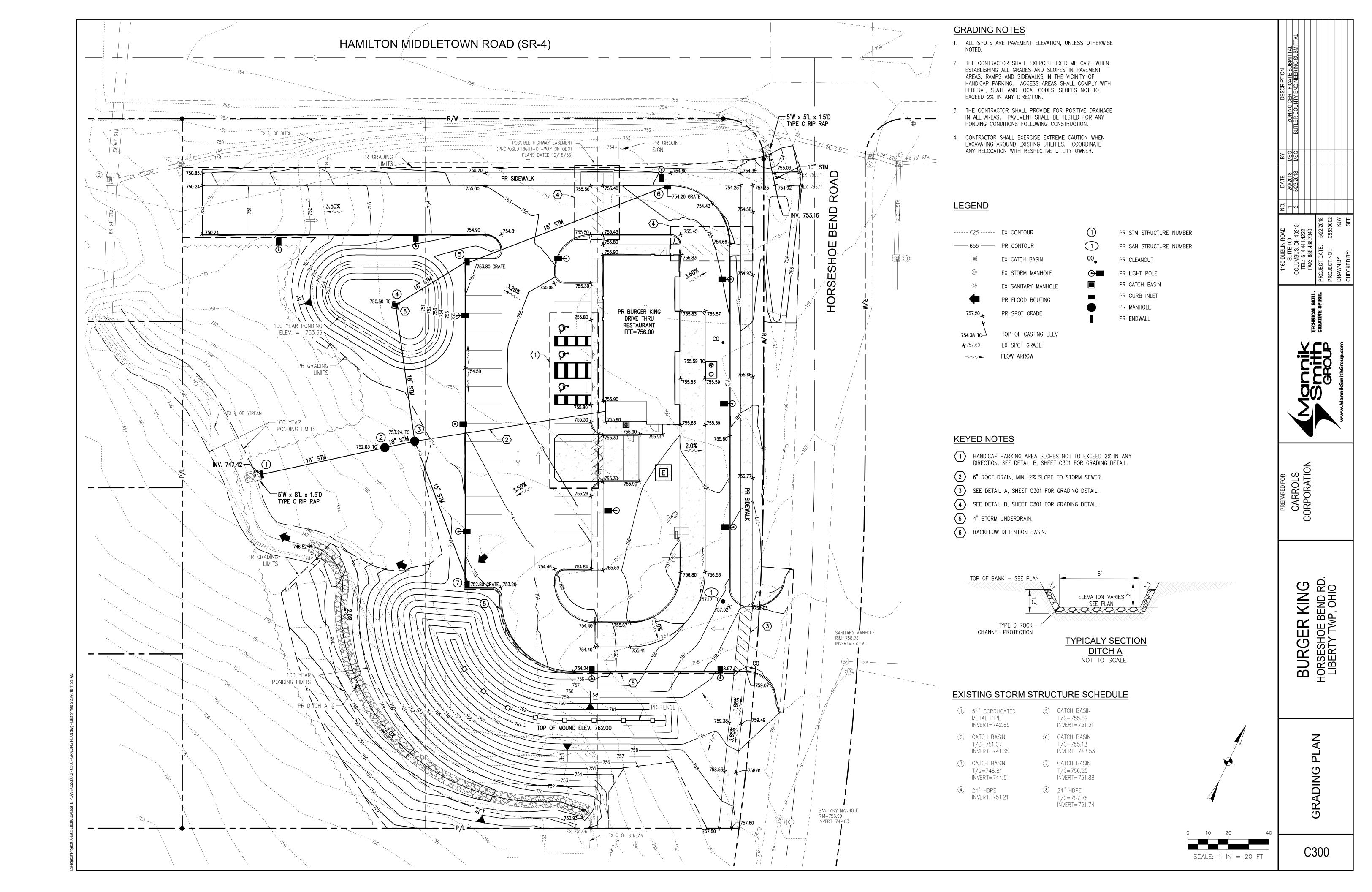
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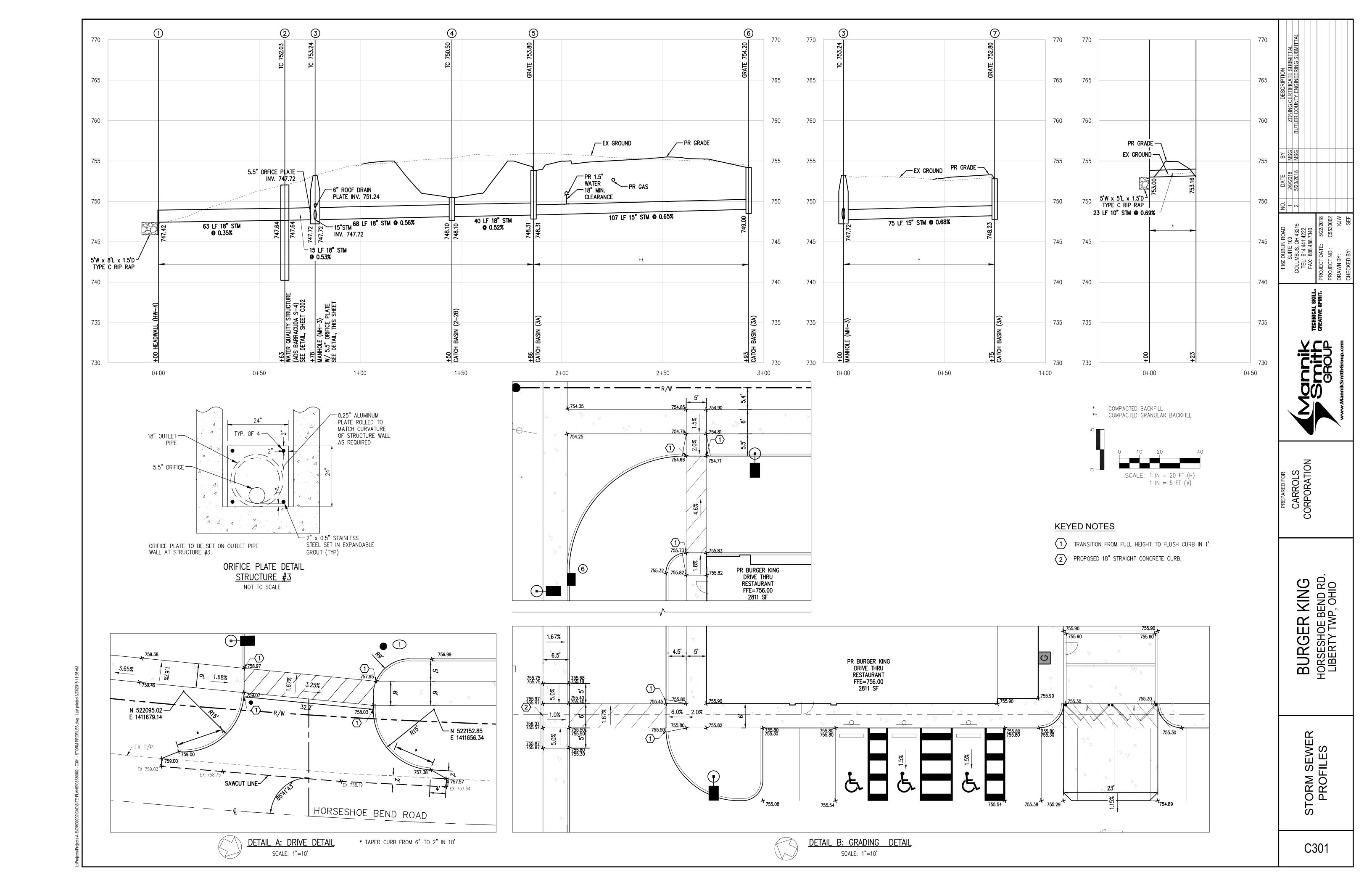
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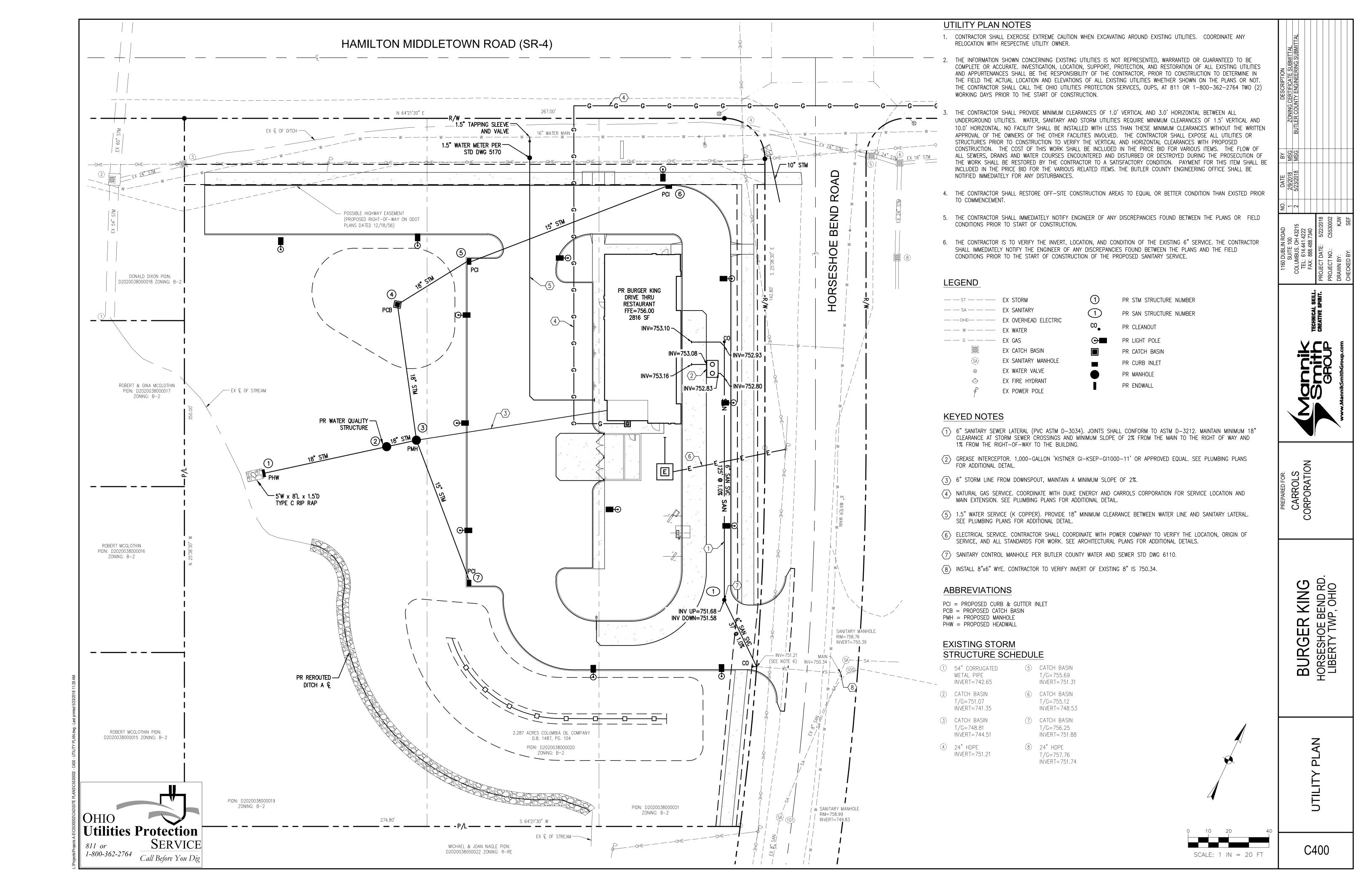


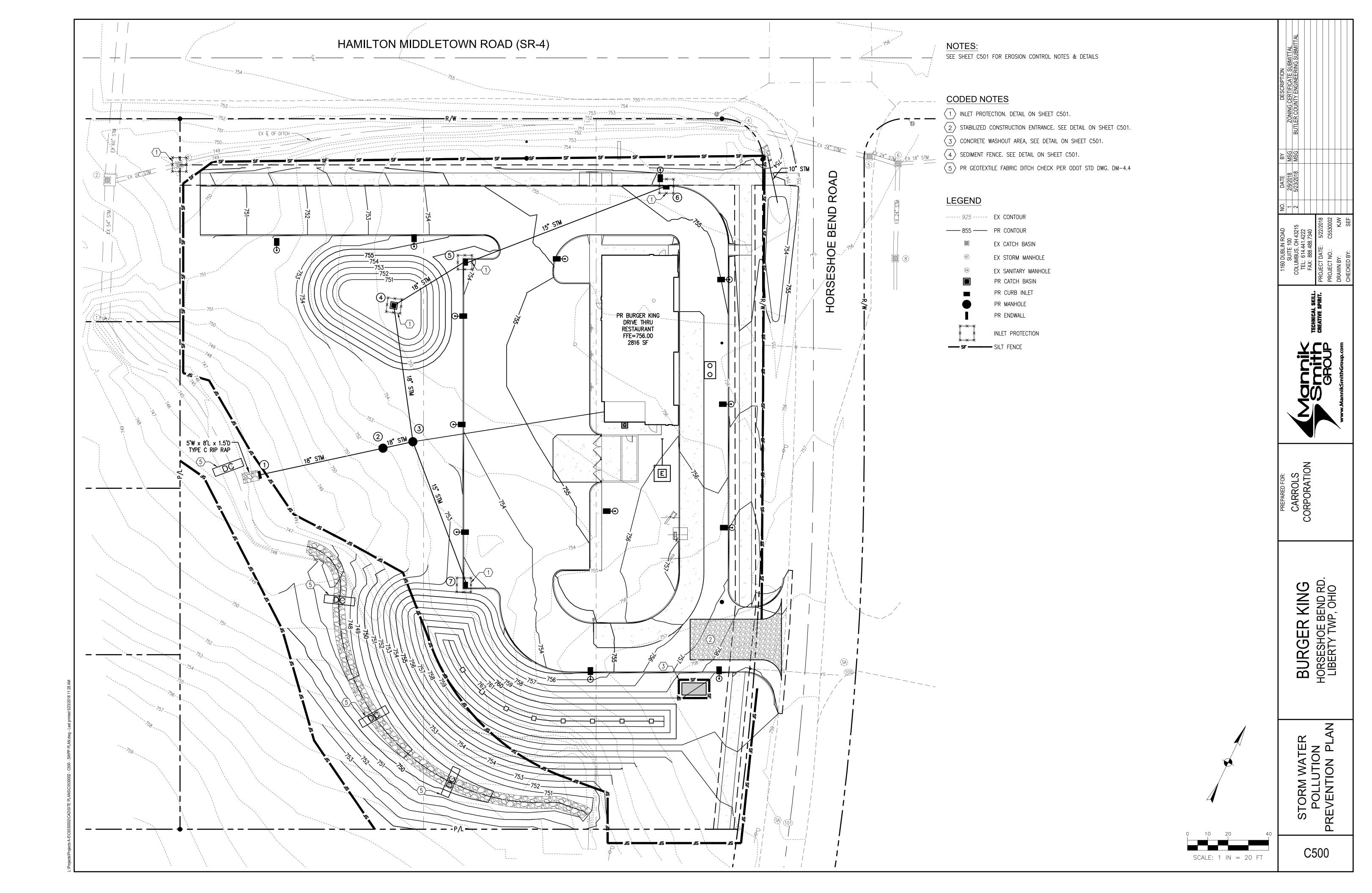
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STORM DETAILS

C302

VARIABLE INLET LOCATIONS 48" HP MANHOLE → 18" (MIN) 30"" FRAME & COVER "FABRICATED PP OUTLET STUB " FABRICATED PP INLET STUB FIN ARRAY (TYP 4 PLACES) INTEGRATED
INTERNAL WEIR → 18" (MIN) -VARIABLE OUTLET LOCATIONS BARRACUDA S4 PEAK FLOW RATE (CFS)0.47 CFSTREATMENT FLOW RATE (CFS)1.25 CFS 30"" FRAME & COVER INTEGRATED INTERNAL WEIR ASPHALT INSTALLATION TURF INSTALLATION 6" MIN. OVERLAP INTEGRATED INTERNAL WEIR LOAD BEARING TOP SLAB (DESIGN BY OTHERS) 2.50 RIM CONCRETE SUPPORT COLLAR TO BE POURED AROUND TOP OF STRUCTURE TO SUPPORT FLAT TOP - 6" (MIN) 12" (MIN) 30.0" " FABRICATED PP (30" MIN) 747.64 OUTLET — — — — 747.64 INLET " FABRICATED PP -OUTLET STUB 9.42' [113.0"] 8.17' [98.0"] SCALE CLASS I BACKFILL & BEDDING PER ASTM D2321, MATERIAL SHALL BE WELL PLACED UNIFORMLY AROUND STRUCTURE AND INLET CONNECTIONS AND COMPACTED IN 8" MAX LIFTS AT LEAST 18" FROM OUTSIDE 0 SOM FIN ARRAY (TYP 4 PLACES) FIN ARRAY OF STRUCTURE. (TYP 4 PLACES) NOT FLOOR 6" (MIN) DESIGN BY SITE ENGINEER PER LOADING AND SOIL CONDITIONS -6.92 SUMP **SECTION VIEW A-A** SECTION VIEW B-B SHEET OF





2. TOTAL SITE AREA: 2.29 ACRES

AREA WITHIN LIMITS OF CONSTRUCTION: ±1.61 AC

PERVIOUS: $\pm 36,155$ S.F. ±0.83 ACRES (51.6%) IMPERVIOUS: ±33,977 S.F. ±0.78 ACRES (48.4%)

SOIL TYPES: MIAMIAN-RUSSELL SILT LOAM (MsC2), 6 TO 12% SLOPES, HSG C RUSSELL-MIAMIAM SILT LOAS (RvB2), 2 TO 6% SLOPES, HSG C

4. RUNOFF COEFFICIENT: PRE-CONSTRUCTION: C = .55POST-CONSTRUCTION: C = .71

5. SITE DRAINS TO: AN UNNAMED TRIBUTARY OF THE GREAT MIAMI RIVER.

6. RECEIVING WATERS: GREAT MIAMI RIVER.

7. OHIO EPA FACILITY NUMBER: TBD

8. OWNER & SITE CONTACTS: OWNER/DEVELOPER: CARROLS CORPORATION CONTACT: AMANDA ALDRIDGE PHONE: (901) 515-6865 EMAIL: AALDRIDGE@CARROLS.COM

9. SITE CONTRACTOR: TO BE DETERMINED

10. PLAN DESIGNER: THE MANNIK & SMITH GROUP 1160 DUBLIN RD. SUITE 100 COLUMBUS, OH 43215 CONTACT: STEVE FOX, PE PHONE: (614) 441-4222 EMAIL: SFOX@MANNIKSMITHGROUP.COM

EROSION CONTROL NOTES

ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.

2. PER THE NPDES CONSTRUCTION GENERAL PERMIT OHCOOOOO4, ALL CONTRACTORS AND SUBCONTRACTORS ARE REQUIRED BE THE OHIO EPA TO OBTAIN CO-PERMITS.

3. LAND ALTERATION WHICH STRIPS THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION.

4. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.

SEDIMENT LADEN WATER SHALL BE DETAINED BY EROSION CONTROL PRACTICES AS NEEDED TO MINIMIZE SEDIMENTATION IN THE RECEIVING STREAM. NO STORM WATER SHALL BE DISCHARGED FROM THE SITE IN A MANNER THAT CAUSES EROSION AT THE POINT OF DISCHARGE.

WASTES AND UNUSED BUILDING MATERIALS SHALL NOT BE ALLOWED TO BE CARRIED FROM THE SITE BY STORM WATER RUNOFF. PROPER DISPOSAL OF ALL WASTES AND UNUSED BUILDING MATERIALS IS REQUIRED.

SEDIMENT BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS SHALL BE MINIMIZED. CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING WITH WATER. CLEARED SEDIMENT SHALL BE RETURNED TO THE SITE FOR

8. SOIL WHICH HAS ACCUMULATED NEXT TO EROSION CONTROL DEVICES SHALL BE COLLECTED AND REDISTRIBUTED ON SITE AFTER EACH RAINFALL EVENT, AND AT LEAST ONCE A WEEK.

9. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.

10. ALL EXISTING STRUCTURES, FENCING, TREES AND ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OF OFF SITE. BURNING IS NOT ALLOWED ON-SITE.

11. SCHEDULE OF EARTHWORK ACTIVITIES:

a) THE DURATION OF TIME WHICH AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM. THE AREA SHALL BE STABILIZED AS SOON AS POSSIBLE. TEMPORARY VEGETATION OR MULCHING SHALL BE USED TO PROTECT EXPOSED AREAS IF PERMANENT VEGETATION CANNOT BE SEEDED WITHIN 7 DAYS OR ACTIVITY CEASES FOR MORE THAN 14 DAYS OR AS DIRECTED BY THE ENGINEER.

b) TOPSOIL REPLACEMENT SHALL TAKE PLACE FROM MARCH 1 TO OCTOBER 31. STOCKPILE TOPSOIL AT ALL OTHER TIMES OF THE YEAR. PERMANENT AND FINAL VEGETATION AND STRUCTURAL EROSION CONTROL DEVICES SHALL BE INSTALLED WITHIN SEVEN (7) DAYS AFTER FINAL GRADING OR AS SOON AS POSSIBLE.

11. ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF BUTLER COUNTY AND/OR THE OHIO EPA.

CONSTRUCTION SEQUENCE

CONSTRUCTION.

1. THE CONTRACTOR SHALL ESTABLISH A STABILIZED CONSTRUCTION ENTRANCE.

2. THE CONTRACTOR SHALL PLACE THE REQUIRED SEDIMENT FENCE AND INLET PROTECTION ON ANY EXISTING INLETS IN ACCORDANCE WITH THE PLAN DETAILS. INSPECTION BY BUTLER COUNTY WILL BE REQUIRED PRIOR TO ANY CONSTRUCTION ACTIVITY.

3. THE CONTRACTOR SHALL CONSTRUCT REROUTE THE EXISTING DITCH PER THE PROPOSED GRADING PLAN.

THE CONTRACTOR SHALL INSTALL THE STORM SEWER INCLUDING THE OUTLET STRUCTURE AND ROCK CHANNEL PROTECTION.

4. EXCAVATE THE BASIN. EXPOSED SLOPES SHALL BE STABILIZED AS SOON AS THEY ARE ENCOUNTERED.

5. THE CONTRACTOR SHALL PERFORM SITE EARTHWORK OPERATIONS IN ACCORDANCE WITH THE PLAN DETAILS AND NOTES INCLUDING INSTALLATION OF STORM SEWERS. PROVISIONS FOR INLET PROTECTION SHALL BE ESTABLISHED AS REFERENCED BY THE DETAILS SHOWN ON THIS SHEET. THE CONTRACTOR SHALL APPLY WATER OR DUST PALLIATIVE ON DISTURBED AREAS DURING CONSTRUCTION TO ALLEVIATE OR PREVENT DUST NUISANCE PER ITEM 616. DUST PALLIATIVE SHALL CONSIST OF CALCIUM CHLORIDE MEETING THE REQUIREMENTS OF SECTION 712.02. THE WATER OR CALCIUM CHLORIDE SHALL BE SPREAD UNIFORMLY OVER THE SURFACE OF THE DISTURBED AREA.

6. THE CONTRACTOR SHALL PLACE SEEDING AND MULCHING AS NECESSARY TO STABILIZE ALL DENUDED AREAS. ALL DENUDED AREAS SHALL HAVE SOIL STABILIZATION APPLIED WITHIN SEVEN (7) DAYS OF DISTURBANCE IF THEY ARE TO BE SUBSTANTIALLY UNWORKED FOR MORE THAN 14 DAYS OR IF THEY ARE AT FINAL GRADE.

7. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE ESTABLISHED VEGETATIVE COVER

AND UPON APPROVAL FROM BUTLER COUNTY. 8. AFTER REMOVAL OF EROSION CONTROL DEVICES, THE CONTRACTOR SHALL CLEAN ALL INLETS AND STORM PIPES OF ALL SEDIMENT INCURRED DURING

EROSION CONTROL MEASURES MAINTENANCE REQUIREMENTS

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE MAINTENANCE REQUIREMENTS:

INSPECT ENTRANCE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER STORM EVENTS OR HEAVY USE.

RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. TOP DRESS WITH CLEAN STONE AS NEEDED

IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY.

MAINTENANCE PROGRAM

ALL EROSION AND SEDIMENTATION CONTROL FACILITIES WILL BE MAINTAINED IN GOOD WORKING ORDER (CLEANED, REPAIRED, ETC.) UNTIL ALL DISTURBED TRIBUTARY AREAS ARE STABILIZED. DURING CONSTRUCTION, AND BEFORE THE ESTABLISHMENT OF PERMANENT VEGETATION, INLET PROTECTION, CUT AND FILL SLOPES, THE SEDIMENTATION BASINS, AND SILT FENCES WILL BE CHECKED REGULARLY EVERY WEEK AND AFTER EVERY RAINFALL EVENT GREATER THAN OR EQUAL TO 0.5 INCHES TO MAINTAIN THEIR EFFECTIVENESS.

THE SILT FENCE WILL BE INSPECTED REGULARLY AND AFTER EVERY RAINFALL EVENT. SEDIMENT WILL BE REMOVED WHEN IT REACHES ONE HALF THE GROUND HEIGHT OF THE SILT FENCE. SEDIMENT REMOVED FROM THE SILT FENCE WILL BE SPREAD OUT, ALLOWED TO DRY, AND THEN ADDED TO THE TOPSOIL STOCKPILES.

THE ROCK CONSTRUCTION ENTRANCES WILL BE MAINTAINED AT THE SPECIFIED THICKNESS AT ALL TIMES. A STOCKPILE OF ROCK WILL BE MAINTAINED ON THE SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PUBLIC ROADWAYS WILL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.

SEEDING AND MULCHING MATERIALS

PERMANENT SEEDING

KIND OF	SEED	SEEDING <u>DATES</u>	PER 1000 <u>SQ. FT.</u>	PER <u>ACRE</u>
A)	CREEPING RED FESCUE, PLUS DOMESTIC RYE GRASS PLUS KENTUCKY BLUEGRASS	MARCH — MAY AUG. — SEPT.	12 LB.	500 LBS.
			12 LB.	500 LBS.
			12 LB.	500 LBS.
B)	TALL FESCUE	MARCH — MAY AUG. — SEPT.	12 LBS.	500 LBS.
TEMPORAR	Y SEEDING	CEEDING	DED 1000	DED
KIND OF	SEED	SEEDING <u>DATES</u>	PER 1000 <u>SQ. FT.</u>	PER <u>ACRE</u>
A)	OATS OR PERENNIAL GRASS	MARCH 1 — AUGUST 15	3 LBS. 1 LB.	2 BU. 40 LBS.
B)	TALL FESCUE	MARCH 1 — AUGUST 15	1 LB.	40 LBS.
C)	RYE OR WHEAT OR PERENNIAL RYEGRASS	AUGUST 16 - NOVEMBER 1	3 LBS. 3 LBS. 1 LB.	2 BU. 2 BU. 40 LBS.
D)	TALL FESCUE	AUGUST 16 - NOVEMBER 1	1 LB.	40 LBS.

SMALL GRAIN STRAW, PREFERABLY WHEAT OR RYE MULCH:

JUTE, COTTON OR PLASTIC NETTINGS

FINGER LOOPS

LIFTING STRAPS

ASPHALT EMULSION: RAPID SETTING, RS1 OR RS2 MULCH NETTING:

AGRICULTURAL GROUND LIMESTONE

FERTILIZER:

COMMERCIAL-GRADE COMPLETE FERTILIZER OF NEUTRAL CHARACTER, CONSISTING OF FAST AND SLOW RELEASE NITROGEN, 50% DERIVED FROM NATURAL ORGANIC SOURCES OF UREA-FORM, PHOSPHOROUS, AND POTASSIUM. COMPOSITION: 10% NITROGEN, 10% PHOSPHOROUS, AND 10% POTASSIUM BY WEIGHT, OR IN AMOUNTS RECOMMENDED IN SOIL REPORTS FROM A TESTING AGENCY. APPLY AT 6 LBS. PER 1,000 SQUARE FEET.

-OVERFLOW GAP

DANDY CURB BAG TM

STAND GRATE ON END. SLIDE THE DANDY CURB BAG ON WITH DAM ON TOP OF THE GRATE. PULL

ALL EXCESS DOWN. LAY UNIT ON ITS SIDE. CAREFULLY TUCK FLAP IN. PRESS VELCRO STRIPS

TOGETHER. INSTALL THE UNIT MAKING SURE FRONT EDGE OF GRATE IS INSERTED IN FRAME

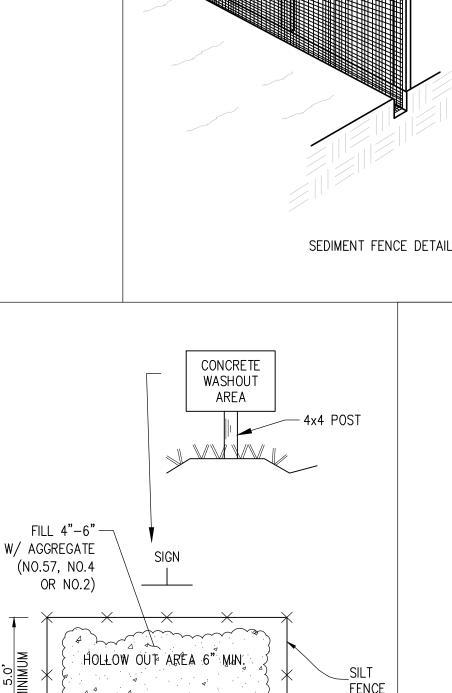
DANDY CURB BAG

TO BE USED ON STRUCTURES: # 5, 6, 7

NOT TO SCALE

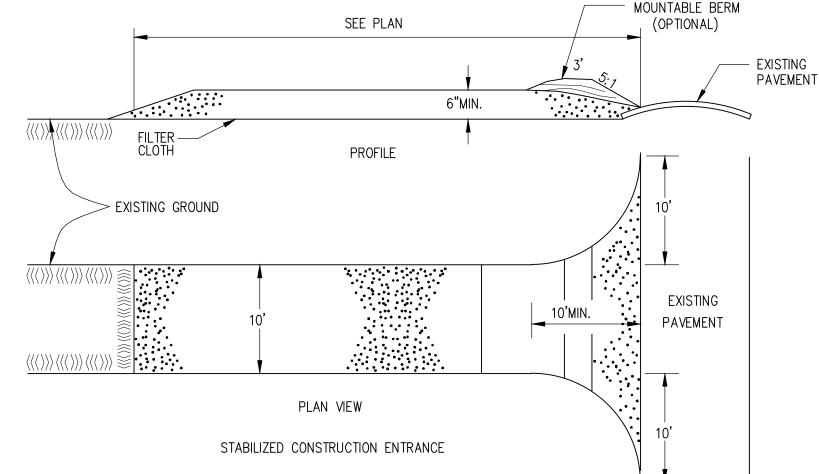
UNDER LIFTING STRAPS. THIS INSURES STRAPS REMAIN FLUSH WITH GUTTER.

FIRST THEN LOWER BACK INTO PLACE. PRESS VELCRO DOTS TOGETHER WHICH ARE LOCATED



CONCRETE WASHOUT AREA NOT TO SCALE

MINIMUM



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.

2. LENGTH – AS REQUIRED. 3. THICKNESS - NOT LESS THAN SIX (6) INCHES.

4. WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.

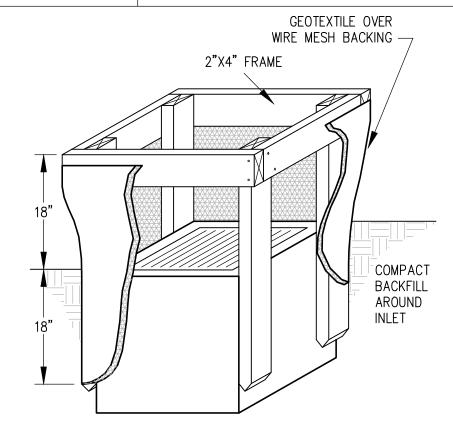
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE.

IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED. 7. MAINTENANCE — THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR

AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAYS. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



WITH A STIFF BRISTLE BROOM SWEEP SILT AND OTHER DEBRIS OFF SURFACE AFTER EACH EVENT.

VERTICAL INLET PROTECTION TO BE USED WHERE POSSIBLE AND ALWAYS IN AREAS TO BE GRASSED.

1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL.

SILT FENCE: THIS SEDIMENT BARRIER UTILIZES STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETICS FILTER FABRICS. IT IS DESIGNED FOR SITUATIONS IN WHICH ONLY SHEET OR

VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE)

ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.

. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36-INCHES (HIGHER FENCES MAY IMPOUND

. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF

SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM OF A 6 INCH

. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND

DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12-INCHES). WHEN EXTRA STRENGTH

FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED (

5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL

THE TRENCH A MINIMUM OF 2-INCHES AND SHALL NOT EXTEND MORE THAN 36-INCHES

6. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND

EXTEND MORE THAN 36-INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC

7. WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE

SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE IMMEDIATELY.

SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE

PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO

LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND

8. THE TRENCH SHALL BE BACKFILLED AND SOIL COMPACTED OVER THE FILTER FABRIC. 9. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT

NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

8-INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT

MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED

OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 6 APPLYING.

4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4-INCHES WIDE AND 4 INCHES DEEP

FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1-INCH LONG. TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO

THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH

OVERLAND FLOWS ARE EXPECTED.

OVERLAP, AND SECURELY SEALED

ABOVE THE ORIGINAL GROUND SURFACE.

FABRIC SHALL BE REPLACED PROMPTLY.

SHALL NOT BE STAPLED TO EXISTING TREES.

2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST 18 INCHES.

3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-INCH BY 4-INCH CONSTRUCTION GRADE LUMBER. THE 2-INCH BY 4-INCH POSTS SHALL BE DRIVEN ONE (1) FT. INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2-INCH BY 4-INCH FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WILL POSE A SAFETY HAZARD TO TRAFFIC.

4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE

5. GEOTEXTILE MATERIAL SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.

6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6-INCH LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.

7. A COMPACTED EARTH DIKE OR CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION. THE TOP OF THE DIKE SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.

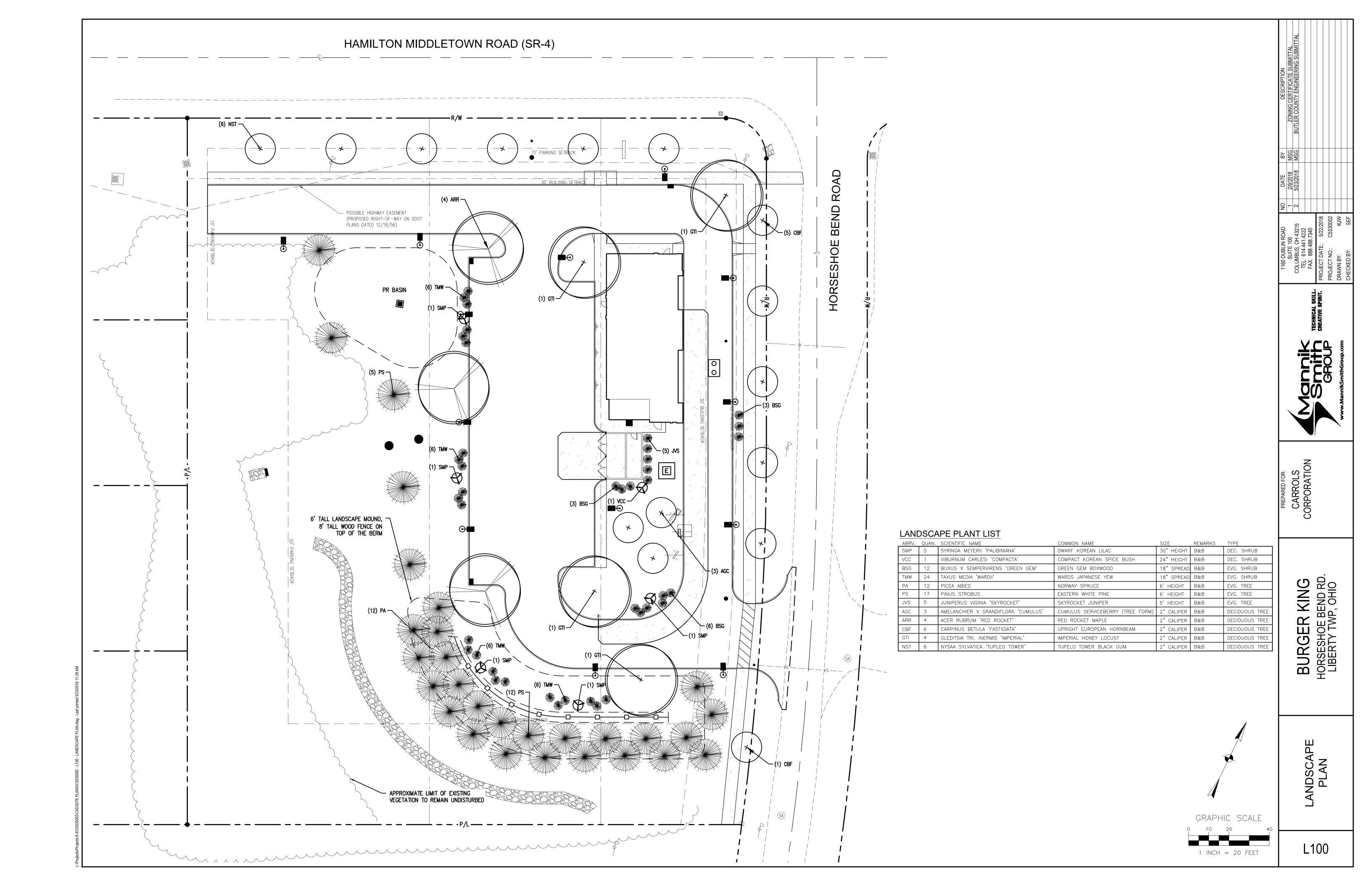
FILTER FABRIC INLET PROTECTION

TO BE USED ON STRUCTURES: # 4

KING SEND RD P, OHIO Ш (1) J. N. BC HORSE LIBEF

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LANDSCAPE PLANTING NOTES

1. THE CONTRACTOR SHALL PROVIDE A ONE YEAR WARRANTY ON ALL PLANTS AND VEGETATION PROPOSED ON THE LANDSCAPING PLAN. ANY TREES, SHRUBS, GROUND COVER OR OTHER VEGETATION PLANTED AS PART OF THIS PROJECT THAT DO NOT SURVIVE ONE YEAR FROM PLANTING SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH ALL PERTINENT UTILITY COMPANIES THREE WORKING DAYS IN ADVANCE OF ANY DIGGING. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF ANY UTILITIES.

3. REFER TO THE LANDSCAPE SCHEMATIC PLAN FOR ADDITIONAL NOTES. LANDSCAPE IMPROVEMENTS SHALL CONFORM TO THE LATEST EDITION OF ODOT CONSTRUCTION.

4. ALL PLANTING MATERIALS: SHALL BE PLANTED PER ODOT SPECIFICATIONS. EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE BROKEN, LOW HANGING AND OTHER UNDESIRABLE GROWTH TO ENSURE HEALTHY AND SYMMETRICAL NEW GROWTH.

5. PLANTING BEDS. ONE MONTH BEFORE CULTIVATION AND AFTER DAYTIME TEMPERATURES HAVE WARMED TO 60° CONSISTENTLY, TREAT ALL PLANTING BEDS THAT ARE TO BE DEVELOPED IN AREAS OF EXISTING TURF WITH PRE-EMERGENT AND POST-EMERGENT TYPE HERBICIDES. USE A STATE-LICENSED PESTICIDE APPLICATOR TO APPLY THE HERBICIDE. REPEAT HERBICIDE APPLICATION TWO WEEKS LATER AND UNTIL ALL HERBACEOUS MATERIALS HAVE BEEN KILLED. BEFORE PLANTING. TOP DRESS ALL PLANTING BEDS WITH A MINIMUM OF 6 INCHES OF BACKFILL MIX, THEN CULTIVATE PLANTING AREA TO A DEPTH OF 6 INCHES USING A PLOW, DISC, OR ROTO-TILLER.

6. BACKFILL MIX. FOR ALL PLANTINGS, USE BACKFILL MIX CONSISTING OF THE FOLLOWING:

A. ONE PART EXCAVATED SOIL.

BACKFILL/PLANT MIX AS RECOMMENDED BY THE INDEPENDENT LAB.

B. ONE PART EPA RATED CLASS IV COMPOST. C. A SLOW RELEASE COMMERCIAL FERTILIZER (0-20-20) OR EQUAL) ADDED AT A RATE OF 5 POUNDS

PER CUBIC YARD TO THE BACKFILL MIX. D. IF SOIL AREAS ARE OF HIGH PH (GREATER THAN 6.5), APPLY 1.25 POUNDS OF ELEMENTAL SULFUR

PER CUBIC YARD OF BACKFILL MIX. NOTE: CONTRACTOR SHALL SUPPLY A DETAILED SOIL ANALYSIS PRIOR TO ALL PLANT BED PREPARATION. ANALYSIS SHALL INDICATE SOIL PH, TEXTURE, MAJOR NUTRIENTS, SALTS, ETC. SOIL ANALYSIS SHALL BE FROM A REPUTABLE, INDEPENDENT LAB. SOIL AMENDMENTS SHALL BE INCORPORATED INTO

7. MULCH. SMOOTH AND SHAPE THE BACKFILL MIX TO FORM A SHALLOW BASIN SLIGHTLY LARGER THAN THE PLANTING HOLE. MULCH ALL PLANTING AREAS WITH A LAYER OF FINELY SHREDDED HARDWOOD BARK OF UNIFORM TEXTURE & SIZE. USE SHREDDED HARDWOOD BARK AGED MIN. ONE YEAR. RAKE AND SMOOTH THE ENTIRE AREA OF THE PLANTING BEDS, MULCH TO A DEPTH OF 3 INCHES. AFTER MULCHING AND BEFORE WATERING, ADD A SLOW RELEASE COMMERCIAL FERTILIZER (12-12-12 OR EQUAL), IN GRANULAR FORM, TO THE TOP OF THE MULCH AT A RATE OF 5 POUNDS PER 1000 SQUARE FEET. DO NOT ALLOW FERTILIZER TO CONTACT THE STEMS, BRANCHES, ROOTS OR LEAVES.

8. PERIOD OF ESTABLISHMENT. BEFORE FINAL INSPECTION, PLACE ALL PLANTS AND CARE FOR THEM FOR A PERIOD OF ESTABLISHMENT. THE PERIOD OF ESTABLISHMENT BEGINS IMMEDIATELY UPON COMPLETION OF THE PLANTING OPERATIONS AND CONTINUES UNTIL OCTOBER 1. THE MINIMUM PERIOD OF ESTABLISHMENT IS ONE GROWING SEASON, JUNE 1 THROUGH OCTOBER 1. DURING THE PERIOD OF ESTABLISHMENT, FOLLOW STANDARD HORTICULTURAL PRACTICES TO ENSURE THE VIGOR AND GROWTH OF THE TRANSPLANTED MATERIAL. WATER, REMULCH, RESTAKE, GUY, AND CULTIVATE AS NECESSARY. PERFORM AT LEAST TWO WEEDING AND MOWING PROGRAMS (AROUND TREES, GUY STAKES, SHRUBS, AND BED EDGES) OF SUCH INTENSITY AS TO COMPLETELY RID THE PLANTED AND MULCHED AREAS OF WEEDS AND GRASSES. BEGIN THE FIRST PROGRAM ON OR ABOUT JUNE 15 AND THE SECOND APPROXIMATELY 8 WEEKS LATER. ON OR ABOUT AUGUST 15, THE ENGINEER WILL INSPECT THE PLANTING AND SUPPLY THE CONTRACTOR WITH A LIST OF MISSING AND DEAD PLANTS AND THOSE THAT HAVE DIED BACK BEYOND NORMAL PRUNING LINES. REPLANT AS REQUIRED ACCORDING TO THE SPECIFICATIONS OF THE ORIGINAL MATERIAL. REPLACEMENT PLANTS ARE SUBJECT TO A NEW PERIOD OF ESTABLISHMENT. IMMEDIATELY REPLACE PLANTS PLANTED INITIALLY IN THE FALL THAT HAVE DIED BEFORE THE SPRING PLANTING SEASON. CARE FOR THE REPLACEMENT PLANTS DURING THE NEW ESTABLISHMENT PERIOD.

9. RESTORATION OF DISTURBED AREAS FOR NEW LAWN: ALL DISTURBED AREAS NOT COVERED BY BUILDING, PAVEMENT OR LANDSCAPE PLANTING BEDS SHALL BE SHALL BE PREPARED FOR GRASS SEED AND SEEDED. LOOSEN RUTS AND WORK THE SOIL AREAS TO A MINIMUM OF 6" DEEP PRIOR TO FINE GRADING AND SEEDING WORK. AREAS TO RECEIVE GRASS SEED SHALL HAVE A MIN. 4" TOPSOIL PLACED, SEEDED AND A STRAW/MULCH BLANKET COVER PLACED OVER THE SEEDED AREAS PER ODOT SPECIFICATIONS. FERTILIZE WITH ONE POUND OF ACTUAL NITROGEN PER 1000 SQUARE FEET WITH A SLOW RELEASE COMMERCIAL STARTER FERTILIZER (LESCO 18-24-12 OR EQUAL).

10. LANDSCAPE TREES, SHRUBS AND PERENNIAL WATERING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, DELIVERING, APPLYING, MEASURING AND SCHEDULING A SUFFICIENT AMOUNT OF WATER NECESSARY TO KEEP EACH PLANT IN A HEALTHY GROWING CONDITION THROUGHOUT THE PERIOD OF ESTABLISHMENT. THE CONTRACTOR SHALL APPLY 1" OF WATER PER WEEK TO ALL NEW PLANTS. THE CONTRACTOR SHALL INSTALL & MAINTAIN SUPPLEMENTAL DRIP WATERING TREE BAGS (SUCH AS 20 GALLON TREE GATOR WATER BAG) TO PROVIDE ADEQUATE, SLOW RELEASE OF WATER. WATER BAGS SHALL BE REMOVED AT THE END OF THE SECOND GROWING SEASON.

10%

11. TURF GROUNDCOVER (SODDING, SEEDING AND SEED MULCHING): ALL SEEDING INSTALLATION SHALL CONFORM TO ODOT SPECIFICATIONS AND NOTE 9 ABOVE. SEED AT 6

LBS/1000 SF WITH THE FOLLOWING SEED MIXTURE: 70%

TITAN TALL-TYPE TURF FESCUE SR 4100 PERENNIAL RYEGRASS 20% MERIT KENTUCKY BLUEGRASS



COR

KING SEND RD. P, OHIO BURGER MANAGE BE LIBERTY TWP,

L101

2" X 4" X 8' TREATED LUMBER REAR 1" X 6" X 8'— CROSSMEMBER TREATED DOGEAR PLANKING PANEL LENGTH PANEL LENGTH 4" X 4" SQUARE X 11'-0" LONG TREATED POST SET IN CONCRETE (TYP.) 4" X 4" PRESSURE TREATED POSTS 8' BOARD ON BOARD FENCE DETAIL

SAUCER FORM & FROM TOP 2/3 OF BALL, MULCH BEYOND REMOVE ALL PLASTIC PLANTING PIT WRAP, WIRE, ROT PROOF WRAP, ROPE, SCARIFY SIDES AND TWINE AND WIRE CAGE ROOT LOOSEN SUB-SOILS - PLACE ROOT BALL ON UNEXCAVATED SOIL - EXCAVATE PLANTING HOLE 2 TIMES DIAMETER OF ROOT BALL DECIDUOUS TREE PLANTING DETAIL

NO SCALE

2X2" STAKE, EXTEND 18"

INTO UNDISTURBED

SOIL AND SET AT

EQUAL HEIGHT

MOUNDED EARTH

FLEXIBLE TIES

-PER ODOT CMS 661.16

—TOP OF ROOT BALL FLUSH TO

FINISH GRADE, 2" HIGHER IN SLOW

DRAINING SOILS. DO NOT COVER

TOP OF ROOT BALL WITH SOIL

MULCH LAYER 3" MINIMUM, - TAPER MULCH TO TRUNK -BACKFILL PLANT MIX

— FINISH GRADE

REMOVE BURLAP

NO SCALE