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Know what's below.
Call before you dig.

VISTA VERDE SECTION FOUR

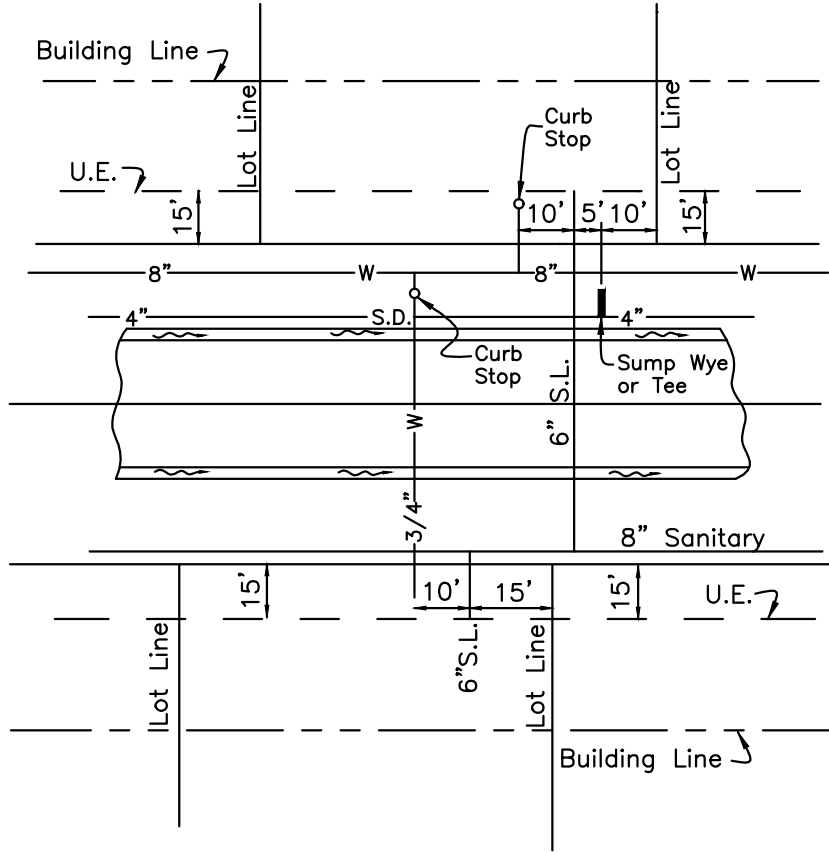
SECTION 9, TOWN 2, RANGE 3 LIBERTY TOWNSHIP, BUTLER COUNTY, OHIO MARCH, 2019



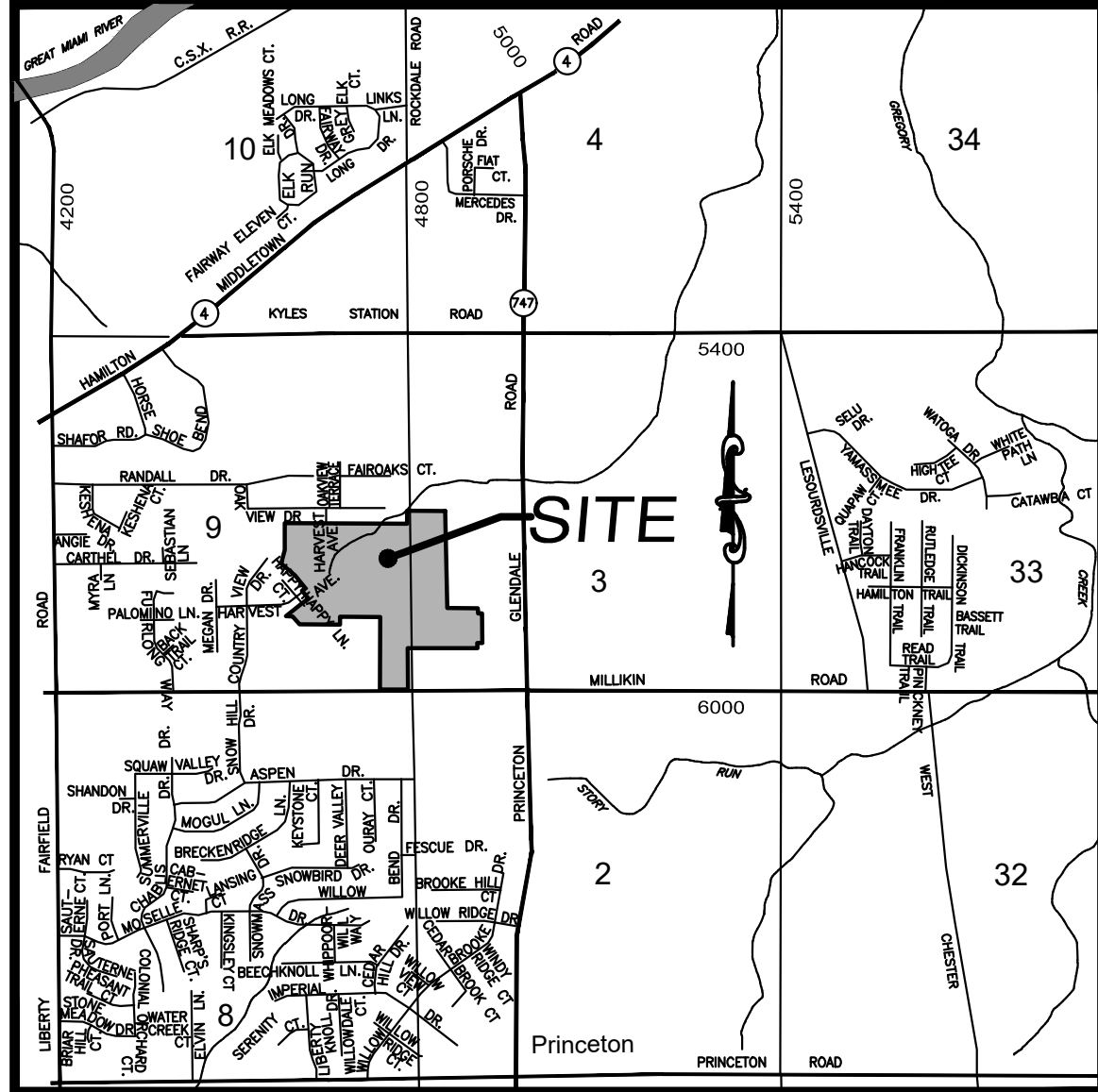
EJP 02/22/2019
REV. 03/19/2019 STM & CROSSWALK
REV. 03/21/2019 CROSSWALK

LEGEND

EXISTING CONTOURS	
PROPOSED CONTOURS	
CENTERLINE	
PROPERTY LINE	
EXISTING SANITARY SEWER & MANHOLE	
PROPOSED SANITARY SEWER & MANHOLE	
EXISTING WATER MAIN	
FIRE HYDRANT	
WATER VALVE	
PROPOSED WATER MAIN	
EXISTING GAS MAIN	
SUMP DRAIN LINE	
EXISTING STORM PIPE & CATCH BASIN	
STORM CATCH BASIN	
STORM MANHOLE	
PROPOSED STORM PIPE	
EXISTING TELEPHONE	
EXISTING CABLE	
DIRECTION OF DRAINAGE	
PROPOSED SWALE	
LOT SWALE	



STANDARD SERVICE DETAIL



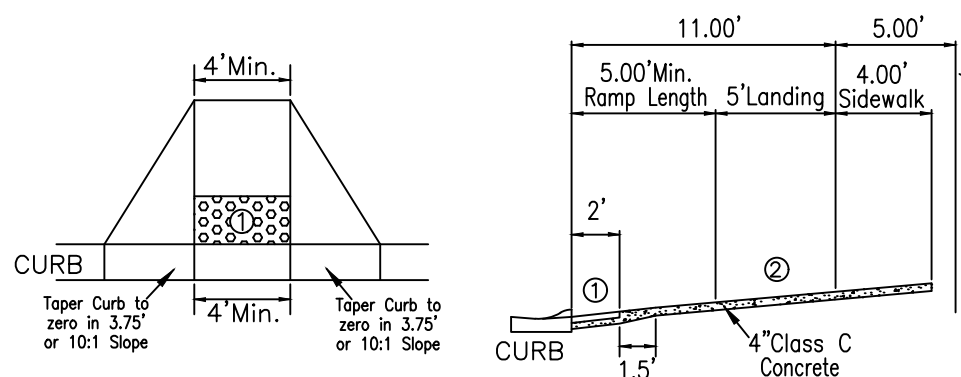
VICINITY MAP

OWNER/DEVELOPER

Welsh Development Company
5780 S.R. 128
Clevs, OH 45002
(513) 353-5380

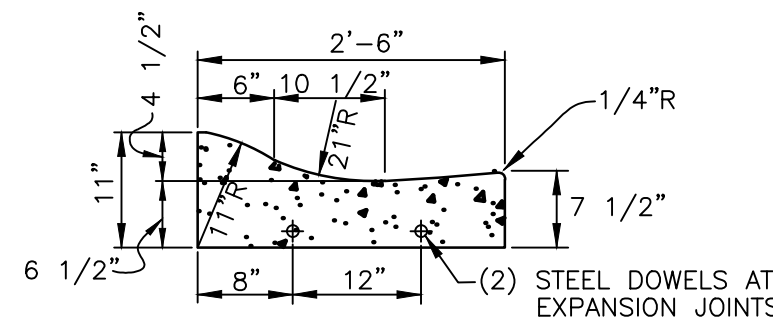
BENCHMARK

Butler County Control Monument
#99FC61
Elevation = 721.15

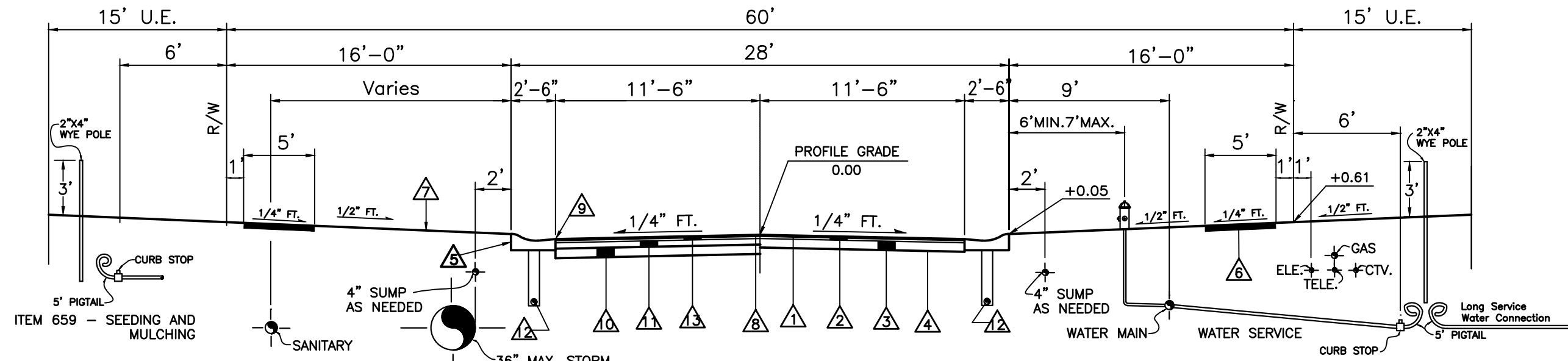


- Detectable Warning (Truncated Domes) are to be installed in the location shown. Dimensions of the domes are 24" from the back of the curb by the width of the ramp.
- Minimum Landing is to be 4' but 5' is preferred. The slope of the ramp is preferred to be 12:1 or flatter related to the horizontal, but the minimum slope shall be 12:1 relative to the existing or proposed walk slope.
- Curb ramps shall be design A or design B per ODOT Drawing 7-12-02, sheets 1 thru 3. Truncated domes are to meet the specifications of ODOT drawing 7-12-02 sheet 3.

CURB RAMP DETAIL



STANDARD ROLL TYPE CURB & GUTTER C-1



ITEM	DEPTH TO TOP OF PIPE
Underdrain	18"
Sanitary	24"
Gas	24"
Water	36"
Electric	36"
Telephone	36"
Cable TV	40"

*SURFACE COURSE (ITEM 448) AND TACK COAT (ITEM 407) ARE TO BE APPLIED NO SOONER THAN TWELVE (12) MONTHS AFTER THE LEVELING COURSE (ITEM 448), AND FIFTY (50) PERCENT OF THE HOMES ARE COMPLETED. IF AFTER TWO (2) YEARS FIFTY (50) PERCENT OF THE HOMES HAVE NOT BEEN COMPLETED, THEN THE TOP COURSE MAY BE APPLIED.

TYPICAL SECTION

- 1" ITEM SURFACE COURSE - 448 ASPHALTIC CONCRETE SEE * NOTE
- 2 1/2" LEVELING COURSE - ITEM 448 ASPHALTIC CONCRETE
- 6" BASE COURSE - ITEM 301 BITUMINOUS AGGREGATE BASE
- COMPACTED SUBGRADE - ITEM 204
- ROLL TYPE CURB & GUTTER - ITEM 609 (BUTLER COUNTY STANDARD C-1)
- FOUR INCH THICK CLASS "C" CONCRETE SIDEWALK, FOUR FEET WIDE
- ITEM 608 WALK TO BE 1/2" HIGHER THAN SOD.
- SEEDING & MULCHING - ITEM 659

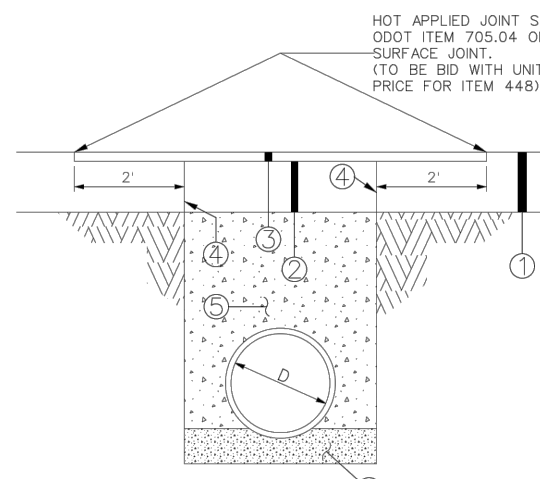
- TACK COAT - ITEM 407 - TO BE APPLIED AT A RATE OF 0.05 GAL. PER SQUARE YARD, SEE * NOTE
- TACK COAT - ITEM 407 - TO BE APPLIED TO FRONT FACE OF CURB PRIOR TO INSTALLATION OF 301 BITUMINOUS AGGREGATE BASE. ALSO TO BE APPLIED TO CURB JOINT AFTER THE INSTALLATION OF 448 LEVELING COURSE.
- 6" BASE COURSE - ITEM 304 AGGREGATE BASE
- 5" BASE COURSE - ITEM 301 BITUMINOUS AGGREGATE BASE
- 4" UNDERDRAIN - ITEM 605. CONNECT UNDERDRAIN TO CENTERLINE OF CURB AND GUTTER. CONNECT TO SIDEWALL OF NEAREST CATCH BASIN
- 1 1/2" LEVELING COURSE - ITEM 448 ASPHALTIC CONCRETE

JOB LOG	
DATE	COMMENT
10-23-18	Submitted to Butler County Planning
11-12-18	Resubmitted to BCWS
1-29-19	Resubmitted to BCEO

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS	
C-1	
Std.MH-1A	
Std.HW-D	
CB-3	
CB-3(Mod.)	
CB-3A	
CB-3A(Mod.)	
CB-2-2-A(O.D.O.T.)	
CB-2-2-B(O.D.O.T.)	
Std.R-1	

CONSTRUCTION APPROVAL	
	Date
Butler Co. Water & Sewer Dept.	11-16-19
Butler Co. Engineer's Office	
These plans are not for construction until ALL approval dates have been filled in.	

BUTLER COUNTY ENGINEER'S OFFICE STANDARD DETAIL FOR ROADWAY PAVEMENT RESTORATION



- EXISTING PAVEMENT
- 8" ITEM 301 BITUMINOUS AGGREGATE BASE IN TWO 4" LIFTS
- 2" ITEM 448 ASPHALT CONCRETE SURFACE COURSE MIN. 2" EACH SIDE OF CUT
- ITEM 407 TACK COAT APPLIED AT 0.10 GAL./SQ
- LOW STRENGTH MORTAR BACKFILL MATERIAL CLASS L3M 50
- MIN. 6" GRANULAR PIPE BEDDING OPTION - USE GRANULAR BEDDING EXTENDED 12" ABOVE PIPE FOR FULL WIDTH OF TRENCH

GENERAL NOTES

- Item numbers refer to the Ohio Department of Transportation construction and material specifications, and all construction work shall be done according to said specifications of Butler County requirements and standards for subdivisions. When in conflict, the County requirements shall prevail.
- Items that pertain to underground utilities such as watermain pipe, sanitary sewer pipe, water valves and manhole frames and covers, etc., will remain under specifications of the utility serving the area. Storm sewers shall be designed and constructed in accordance with the requirements of the Butler County Engineer.
- All trenches within the right-of-way and 10' utility easement shall be compacted and backfilled in accordance with item 203 and 603 in the state specifications.
- Surface course (item 448) and tack coat (item 407) are to be applied no sooner than nine (9) months after the leveling course, (item 448), and fifty (50) percent of the homes are completed. If after two (2) years fifty (50) percent of the homes have not been completed, then the top course may be applied.
- A minimum 10' utility easement shall be shown on the record plat parallel and immediately adjacent to the right-of-way line allowing for installation, operation and maintenance of sewers, water, electric and telephone conduits and any other public or quasi public utility.
- Developer shall be responsible for the installation of conduits for the full width of the public right-of-way at a depth of 36" for use by the electric, telephone and cable services. The location of the lines shall be coordinated with utility companies by the developer.
- All electrical transformers shall be located so that they do not interfere with the existing manholes or water main appurtenances.
- Sump line conduits are to be SDR 35, Armo 2000, or equivalent.
- WATER MAIN**
 - A. Water main materials, valves, fire hydrants, fittings and appurtenances and installation to be as per Butler County specifications, using class 53 Ductile Iron as per AWWA C-151 with minimum 4' cover.
 - B. All water main valves to have a minimum depth of 2.5' and a maximum depth of 4' from proposed grade to the top of the Valve Operating Nut.
 - C. Minimum 10' horizontal, 18" vertical separation between water main and sanitary and/or storm sewer.
 - D. If meter pits cannot be initially installed at the location shown on the typical section, a curb stop can be set up at this location.
- SANITARY SEWER**
 - A. Sanitary sewer materials and installation to be as per Butler County specifications, using Section 3110 for PVC SDR-35 & 26 pipe; Section 3140 for ABS or PVC composite pipe; Section 3410 for manholes.
 - B. Crossings Whenever a sanitary sewer and water main must cross, the sewer shall be at such an elevation that the crown of the sewer is at least 18 inches measured between the outside pipe walls, below the bottom of the water main. If it is absolutely impossible to maintain the 18 inch vertical separation, the water main shall be relocated or the sewer shall be constructed as follows:
 - A sewer passing over or under the water main shall be enclosed or constructed of materials that are equivalent to water main standards of construction for a minimum distance of 10 feet on each side of the water main.
 - The sewer crossing shall be constructed so that the sewer joints will be equidistant and as far as possible from the water main joints.
 - Where a water main passes under a sewer, adequate structural support shall be provided for the sewer to prevent damage to the water main.
 - C. Sanitary laterals shall be extended to at least ten (10) feet beyond the Property / Right-of-Way or to the edge of the easement, whichever is greater.
 - D. Sanitary sewer laterals, which shall include all pipe and appurtenances from the building to the public sewer main, and the connection to the public sewer main shall be considered private and the responsibility of the property owner to maintain. The connection to the sewer would be any piping that extends out from the main barrel of the sewer main.
 - E. All buildings to be served by the public sewer system shall be constructed so as to provide a minimum of four feet (4') of vertical separation between the public sanitary sewer, at the point of connection, and the lowest building level served by a gravity sewer connection and shall not exceed a depth of 12 feet below finish grade at the end of the lateral at the right-of-way unless specifically authorized by the County. In addition, said building level shall be at least one (1) foot above the lowest point of free-overflow (non-sealed manhole cover) upstream of any treatment facility of wastewater pumping facility that receives the discharge from said building. Said minimum service levels shall be recorded on the "As-Built" plans for the development which will be kept on file in the office of the Butler County Department of Environmental Services.
- Butler County Water and Sewer Department does not accept any responsibility for the relocation, repair, or replacement of any other utility installed within five (5) feet of the center line of any sanitary sewer main or water main.
- Private driveways, parking lots and other paved areas, earthen berms or structures should not be constructed over private water or sewer service lines within the public road right of way or within the easement areas for public utilities. Should this occur, the property owner shall be held responsible for the protection and repair and for providing access to any curb stops, meter pits, manholes, clean-outs, etc. installed in conjunction with these private service lines and for any damage or restoration of the paved surfaces or structures that may result from the future operation, maintenance, repair or replacement of said service lines and appurtenances.
- STORM SEWER**
 - A. Storm sewer pipe shall meet the requirements as follows:
 - PVC pipe as per ODOT Specification 707.42 for all diameters
 - HDPE pipe as per ODOT Specification 707.33
 - Corrugated steel pipe as per ODOT Specification 707.01 or 707.02 for all diameters
 - Reinforced concrete pipe as per ODOT Construction and Material Specification 706.02 for all diameters. Class shall be specified at the contractor's request. (Cincinnati Concrete Pipe, Durocrete or equal).
 - Bituminous coated corrugated steel pipe as per ODOT Specification 707.05 or 707.07
 - Installation shall meet Butler County Specifications. All joints shall be soil seal joints unless specifically noted on the plans.
 - B. Deflection Testing for Storm Sewers and Culverts 15% of all storm sewers shall be tested for deflection within thirty days after they are complete. Butler County Engineer or his designated representative will determine what 15% shall be tested. If any storm sewer in the original 15% is found out of compliance, deflection tests will be required on 100% of the remaining storm sewer. A vertical ring deflection greater than 5% will not be allowed. This deflection is defined as 5% reduction in the vertical base or average inside diameter. The method of testing shall be subject to the approval of the engineer. If rigid balls or mandrels are used to test pipe deflection, no mechanical pulling devices shall be used. The deflection test may be conducted with a nine prong mandrel, a ball or a cylinder or another manner acceptable to the Butler County Engineer or his designated representative. The testing will be accomplished from manhole to manhole or catchbasin to catchbasin, following the complete flushing of the line. The contractor shall furnish all equipment required to complete the deflection testing. The deflection test shall be witnessed by the County Engineer or his designated representative. Any section of pipe that fails to meet the aforementioned requirements shall be reworked by a procedure acceptable to the County or be excavated and either be relayed or replaced, and retested until the requirements are met.
 - C. All catch basins and manholes with a depth greater than 4' shall be provided with steps. Steps shall meet the requirements of ODOT STD. 604 and shall conform to the details as shown on Butler County Standard Drawing MH-1A.
 - D. Headwall: HW-4A to be used with Corrugated Metal pipe or HW-4B to be used with Concrete Pipe.
- Roof drains, foundation drains, and other clean water connections to the sanitary sewer system are prohibited.
- Any detention basin on site should be constructed prior to the clearing of topsoil and grading of the site. All trees and vegetation shall be removed from all proposed detention basins regardless of maintenance responsibility.
- SEDIMENTATION CONTROL**

The project has been designed to control erosion and prevent damage to other property. All stripping, earthwork, and regrading shall be performed to minimize erosion. Natural vegetation shall be retained wherever possible. The proposed plan will allow almost all eroded material to be retained on site.

All areas disturbed by the construction of the roadways, ditches and sediment basins shall be seeded and strowed as soon as possible to limit the erosion and stabilize the soil. Payment will be by the number of square yards disturbed as per the grading plan. For additional sedimentation control details, see grading plan.
- Butler County will not be responsible for any pavement or storm sewer repairs resulting from water main and sanitary sewer repairs. Butler County also will not be responsible for adjusting manholes, valves, fire hydrants, meter pits, etc. as a result of grade changes. The grantor shall be responsible for proper adjustment of manholes, valves, fire hydrants, meter pits, etc. to the satisfaction of Butler County, due to grade changes, paving, repairing, etc. initiated by the grantor.
- A typical five (5) foot drainage easement is to be provided on both sides of every lot line.
- Any roadway settlement greater than one inch will be required to be repaired with Item 613 Low Strength Mortar Backfill (Type 1). See Detail on Sheet #6.
- Provide the Butler County Engineer's Office with a forty-eight (48) hour notice prior to the start of any construction, including sanitary installation. Phone 785-4145.
- Contractors to accept all Quantities as correct prior to beginning construction.
- Contractor shall include the cost of County inspection and extension fees in unit price bid.
- Existing Zoning: R-1
Frontage: 100'
Setbacks: Front = 50', unless otherwise noted on plan
Side = 15', 30', 30'
Rear = 45', unless otherwise noted on plan
- Total Acreage: 19.9957 Acres
- Total # Single Family Lots: 21

VISTA VERDE
SECTION FOUR

SECTION 9, TOWN 2, RANGE 3
LIBERTY TOWNSHIP, BUTLER COUNTY, OHIO

TITLE SHEET

Drawing: 15M069-004 CD

Drawn by: TAC

Checked by: EMR

Issue date: 10-23-18

Sheet: 1/9

bayer becker

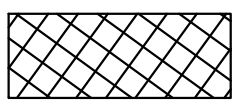
www.bayerbecker.com
6900 Tyersville Road, Suite A
Mason, OH 45040 - 513.336.6600

CONSERVATION EASEMENTS:

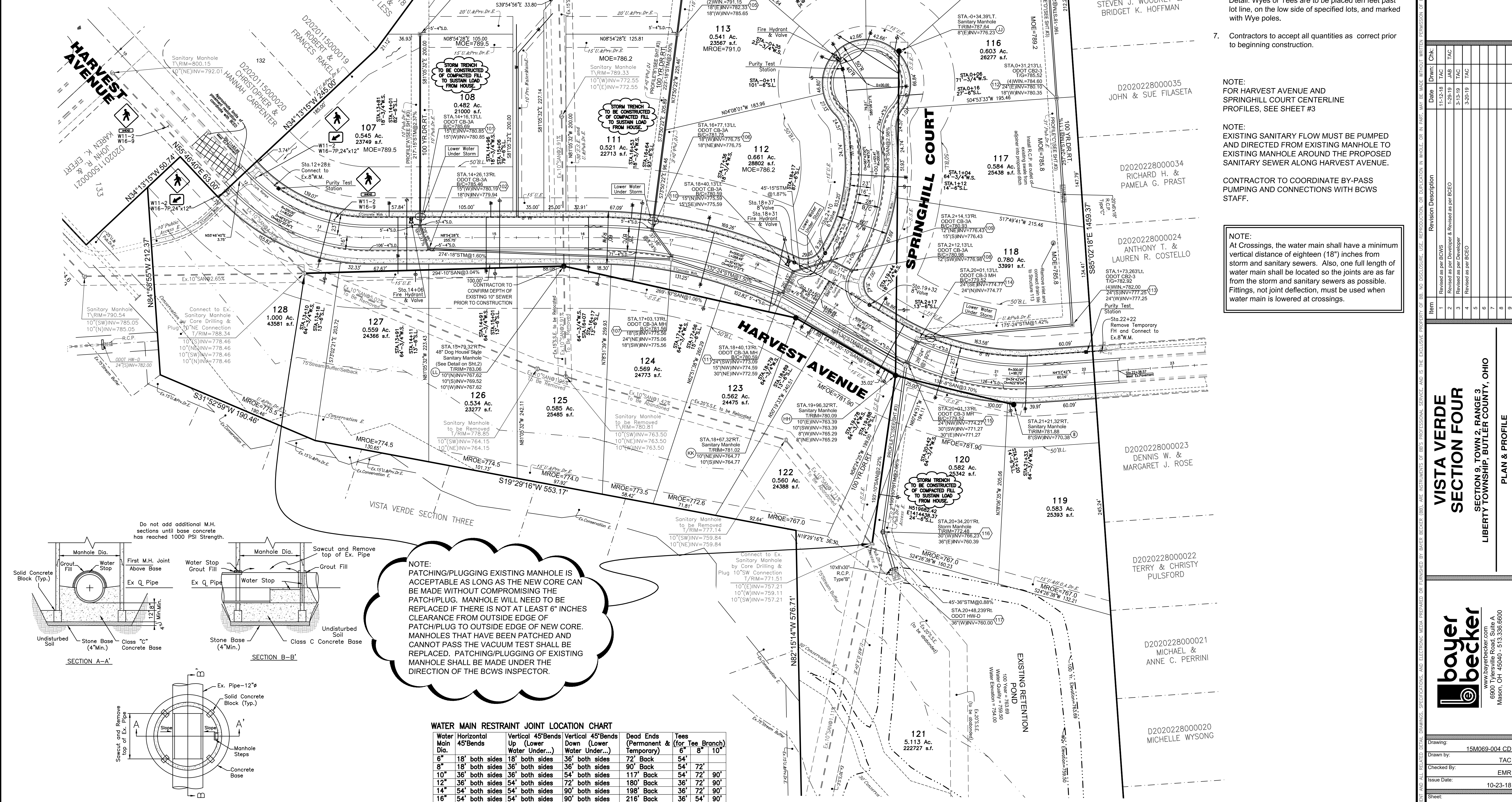
THE AREA IN THE CONSERVATION EASEMENT CONTAINS A STREAM THAT HAS BEEN IDENTIFIED AS JURISDICTIONAL WATERWAYS OF THE UNITED STATES AND ARE PROTECTED UNDER THE FEDERAL CLEAN WATER ACT. THE CONSERVATION EASEMENT SHOWN HEREON RESTRICTS DISTURBANCE AND USE OF THE AREA. NATURAL WATER COURSES AND ADJACENT RIPARIAN BUFFERS MAY NOT BE DREDGED, STRAIGHTENED, FILLED, CHANNELIZED, IMPEDED, DIVERTED OR OTHERWISE ALTERED IN THE CONSERVATION AREA, OTHER THAN AS PART OF ACTIVITIES THAT ARE AUTHORIZED BY THE NATIONWIDE PERMIT PROGRAM REGULATED BY THE ARMY CORPS OF ENGINEERS. THERE SHALL BE NO CLEARING, DISTURBANCE OF EXISTING VEGETATION OR PLACEMENT OF MANMADE MODIFICATIONS SUCH AS BUILDINGS, STRUCTURES AND FENCES WITHIN CONSERVATION AREA EXCEPT AS APPROVED BY THE ARMY CORPS OF ENGINEERS.

STREAM BUFFER EASEMENT:

THE STREAM BUFFER EASEMENT SHOWN HEREON RESTRICTS DISTURBANCE AND USE OF THE AREA. THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION, FILLING OR DISTURBANCE OF EXISTING VEGETATION EXCEPT AS APPROVED BY THE BUTLER COUNTY DEPARTMENT OF DEVELOPMENT PLANNING DIVISION.



PAVEMENT RESTORATION:
1-1/2" PAVEMENT PLANING PER ODOT ITEM 254
1-1/2" ASPHALT CONCRETE, SURFACE COURSE TYPE 1 (448)
TACK COAT FOR INTERMEDIATE COURSE

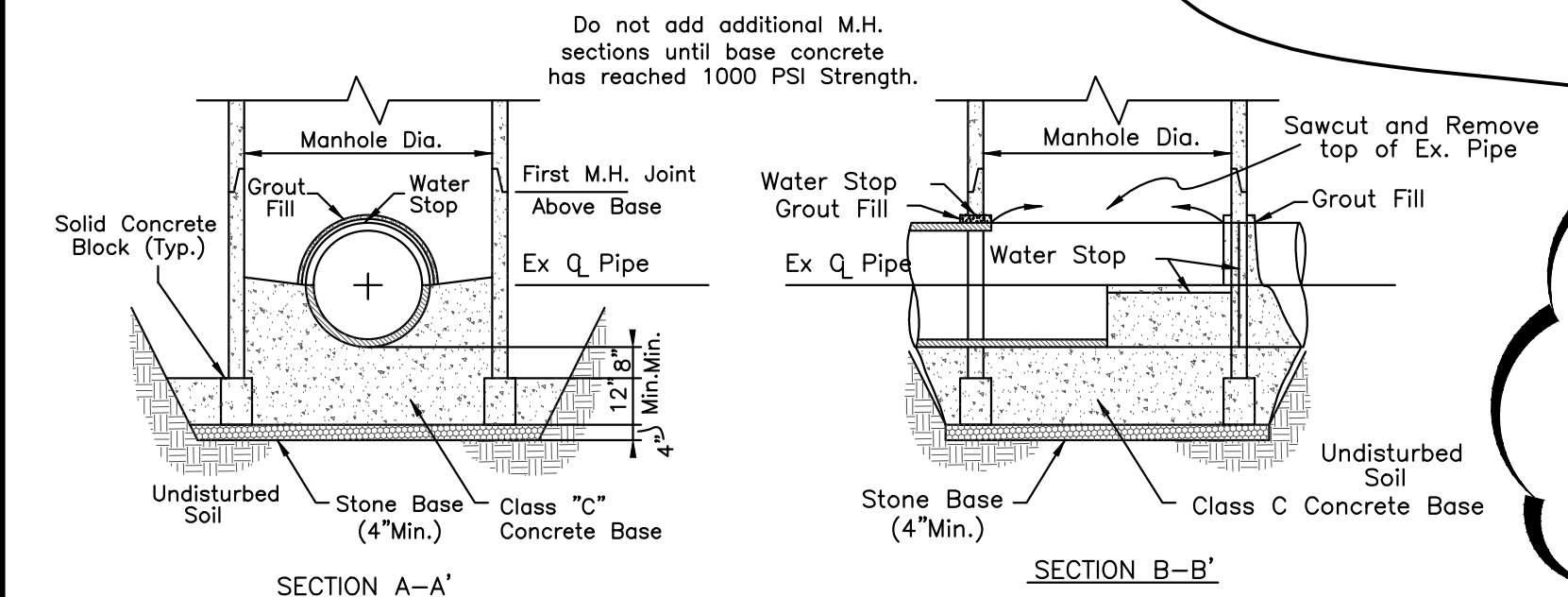


NOTE:
At Crossings, the water main shall have a minimum vertical distance of eighteen (18") inches from storm and sanitary sewers. Also, one full length of water main shall be located so the joints are as far from the storm and sanitary sewers as possible. Fittings, not joint deflection, must be used when water main is lowered at crossings.

NOTE:
FOR HARVEST AVENUE AND SPRINGHILL COURT CENTERLINE PROFILES, SEE SHEET #3

NOTE:
EXISTING SANITARY FLOW MUST BE PUMPED AND DIRECTED FROM EXISTING MANHOLE TO EXISTING MANHOLE AROUND THE PROPOSED SANITARY SEWER ALONG HARVEST AVENUE.

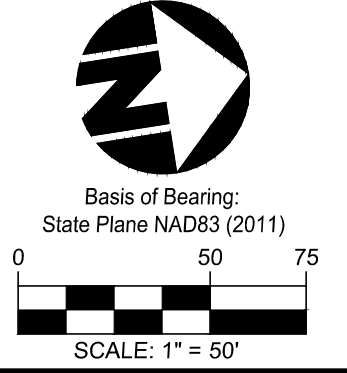
CONTRACTOR TO COORDINATE BY-PASS PUMPING AND CONNECTIONS WITH BCWS STAFF.



NOTE:
PATCHING/PLUGGING EXISTING MANHOLE IS ACCEPTABLE AS LONG AS THE NEW CORE CAN BE MADE WITHOUT COMPROMISING THE PATCH/PLUG. MANHOLE WILL NEED TO BE REPLACED IF THERE IS NOT AT LEAST 6" INCHES CLEARANCE FROM OUTSIDE EDGE OF PATCH/PLUG TO OUTSIDE EDGE OF NEW CORE. MANHOLES THAT HAVE BEEN PATCHED AND CANNOT PASS THE VACUUM TEST SHALL BE REPLACED. PATCHING/PLUGGING OF EXISTING MANHOLE SHALL BE MADE UNDER THE DIRECTION OF THE BCWS INSPECTOR.

WATER MAIN RESTRAINT JOINT LOCATION CHART

Water Main Dia.	Horizontal 45° Bends	Vertical 45° Bends Down (Lower Water Under...)	Vertical 45° Bends Up (Upper Water Under...)	Dead Ends (Permanent & Temporary)	Tees (for Tee Branch)
6"	18' both sides	18' both sides	36' both sides	72' Back	6' 8' 10'
8"	18' both sides	36' both sides	36' both sides	90' Back	54' 72'
10"	36' both sides	36' both sides	54' both sides	117' Back	54' 72' 90'
12"	36' both sides	54' both sides	72' both sides	180' Back	36' 72' 90'
14"	54' both sides	54' both sides	90' both sides	198' Back	36' 72' 90'
16"	54' both sides	54' both sides	90' both sides	216' Back	36' 54' 90'



Date	Drawn	Check	Revision	Description
11-12-18	TAC	TAC	1	Revised as per BCWS
12-25-19	JAB	TAC	2	Revised as per Developer & Revised as per BCWS
3-13-19	TAC	TAC	3	Revised as per Developer
3-20-19	TAC	TAC	4	Revised as per BCWS

Item	1	2	3	4	5	6	7	8	9
Revision	1	2	3	4	5	6	7	8	9

Item	1	2	3	4	5	6	7	8	9
Revision	1	2	3	4	5	6	7	8	9

VISTA VERDE
SECTION FOUR
SECTION 9, TOWN 2, RANGE 3
LIBERTY TOWNSHIP, BUTLER COUNTY, OHIO
PLAN & PROFILE



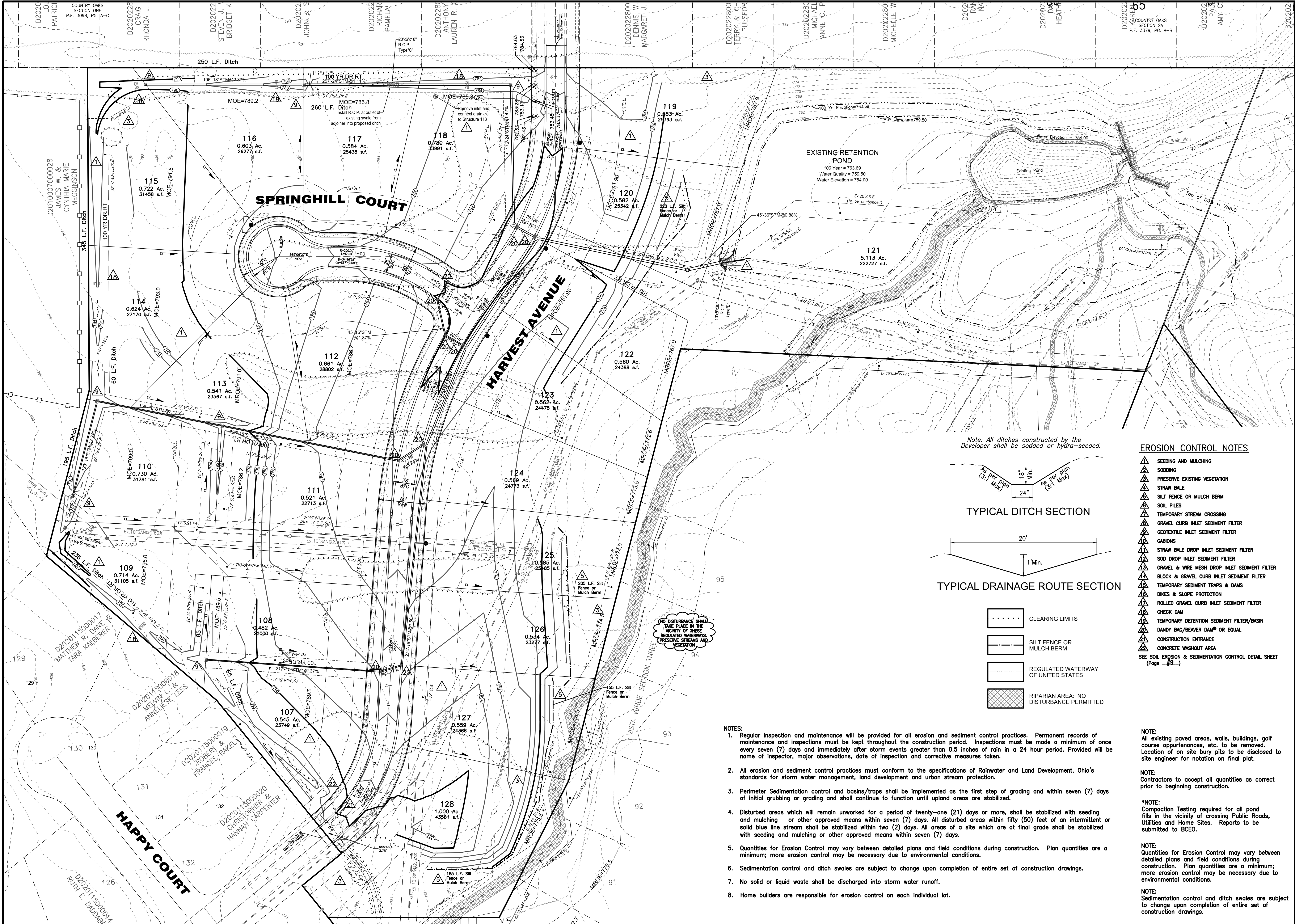
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Drawn by: TAC
Checked by: EMR
Issue Date: 10-23-18
Sheet: 2/9

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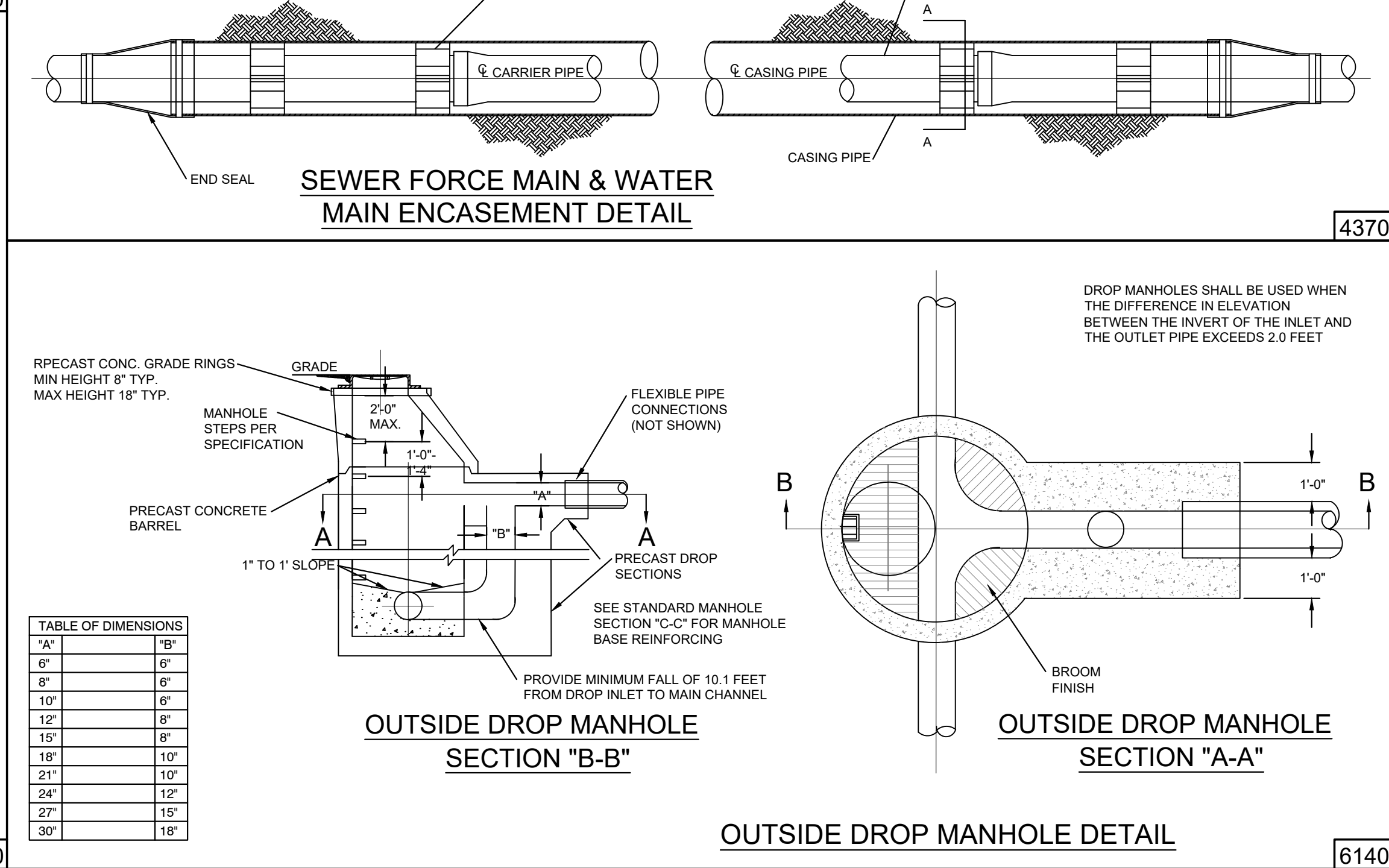
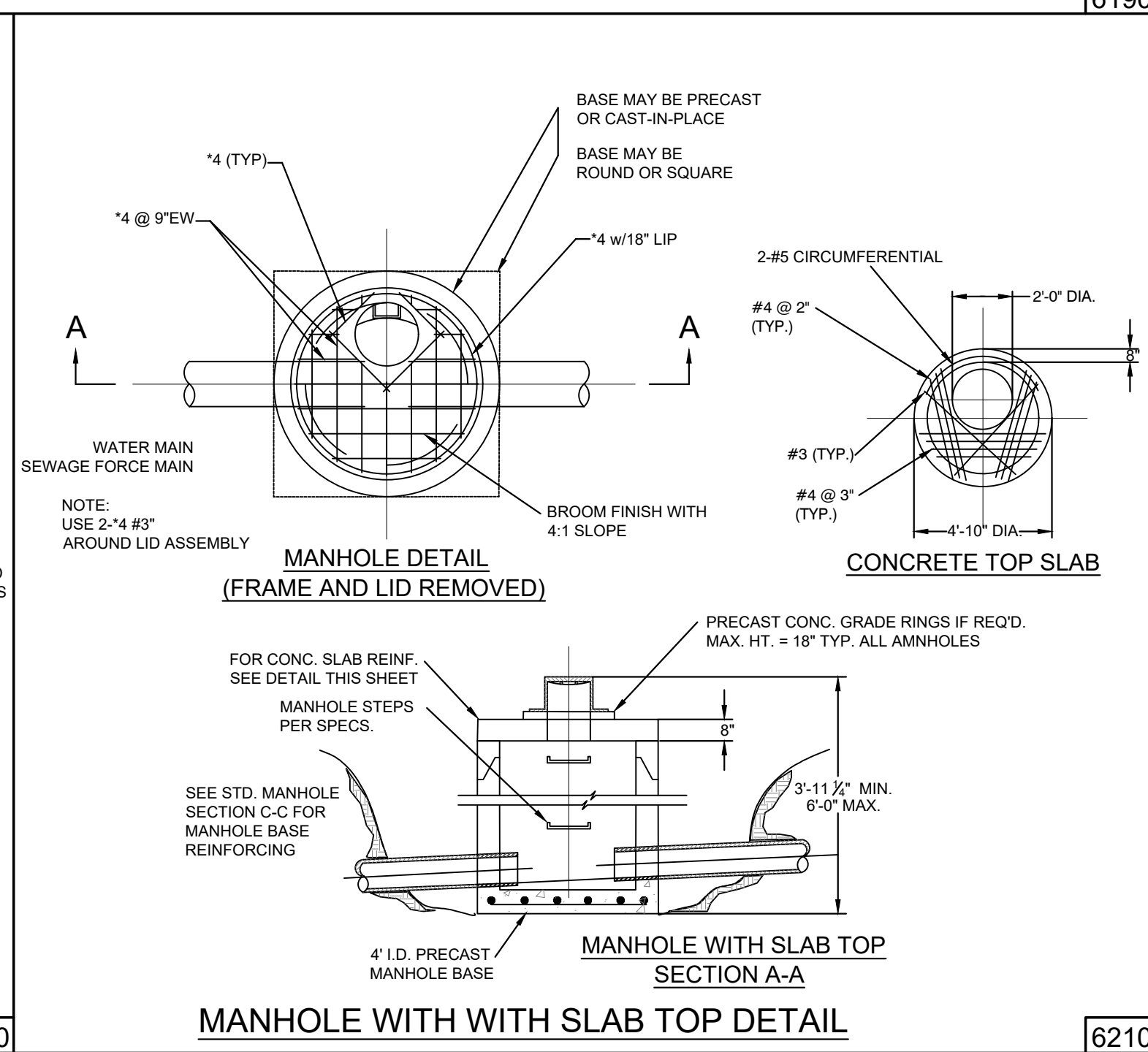
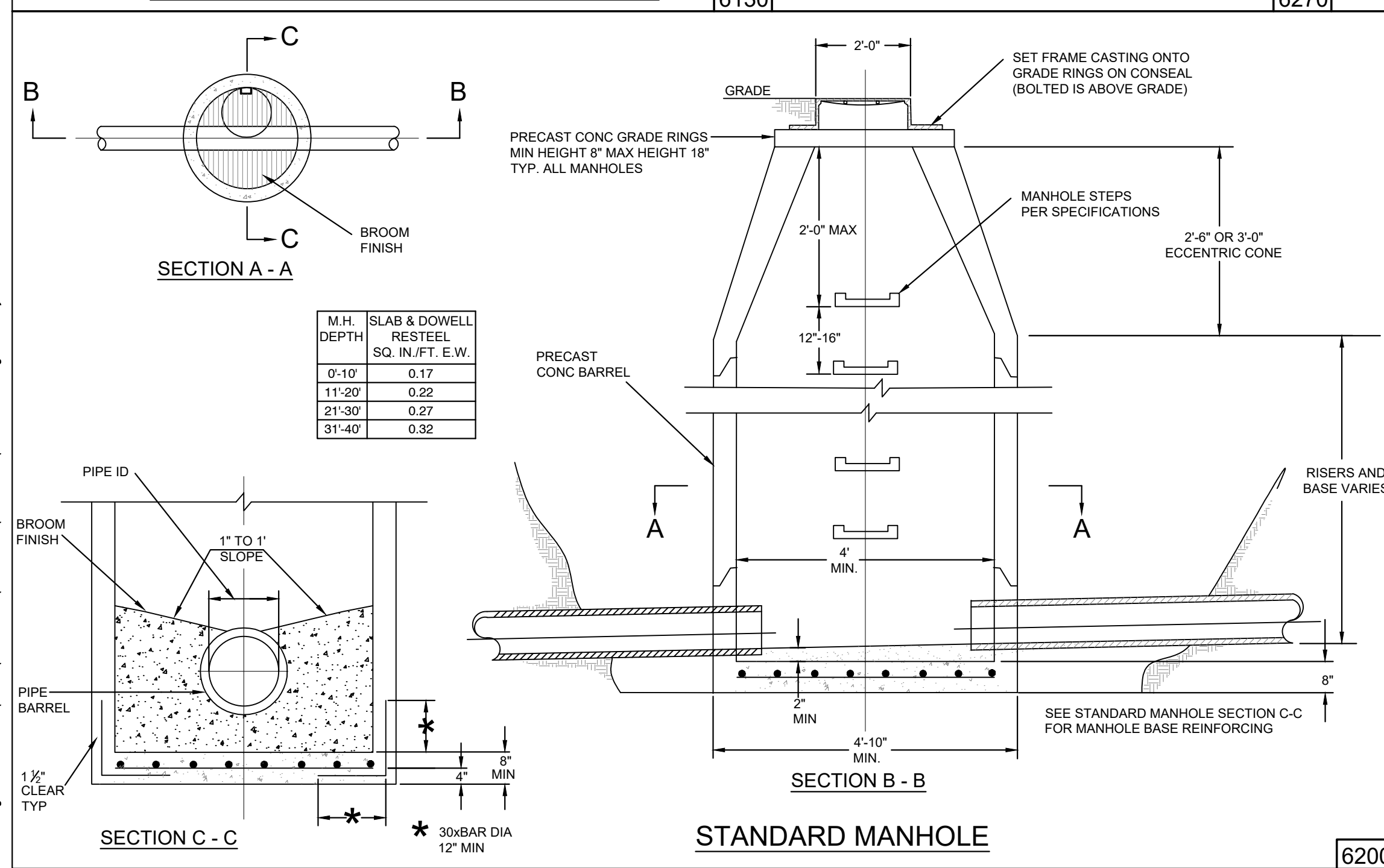
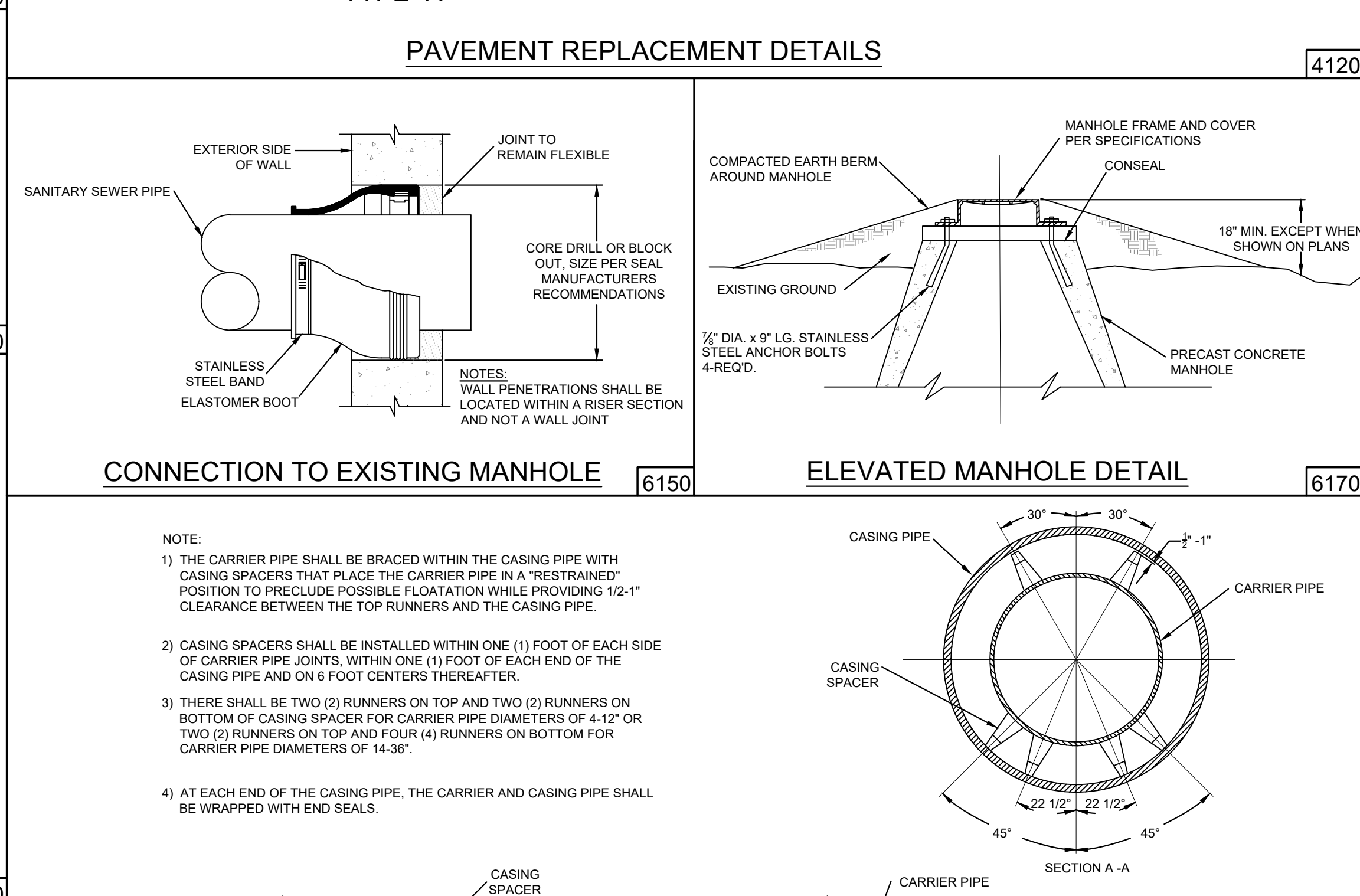
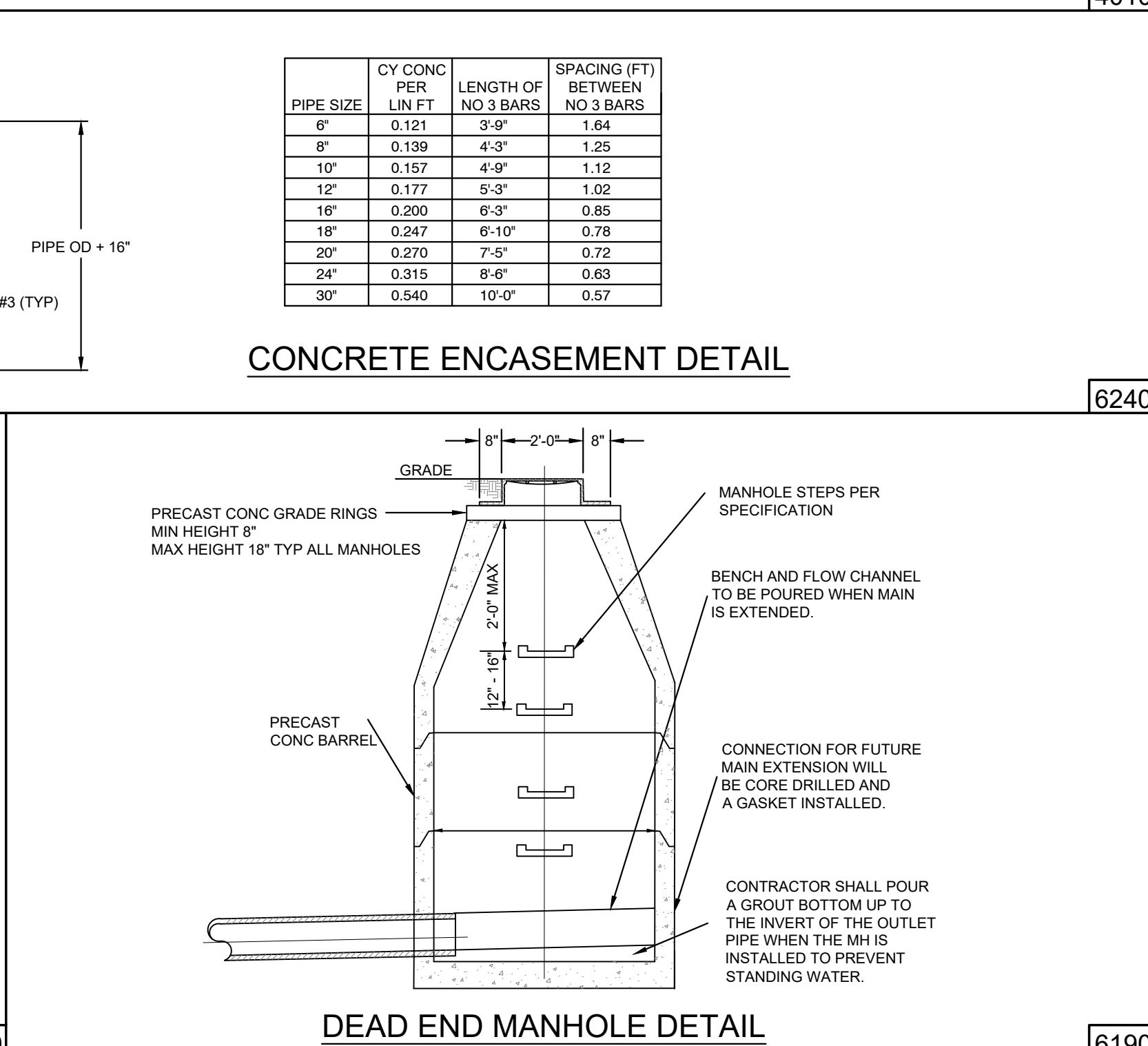
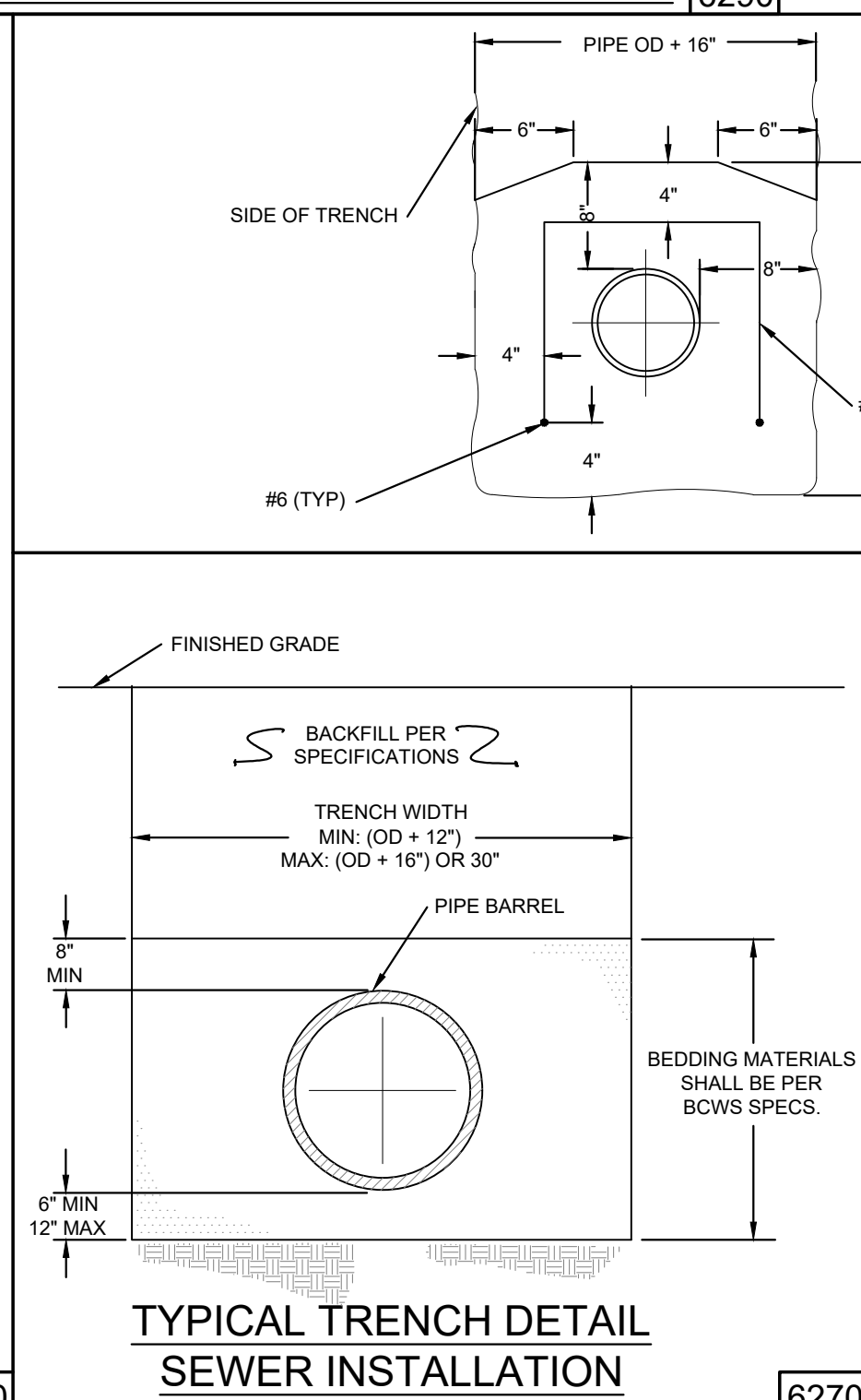
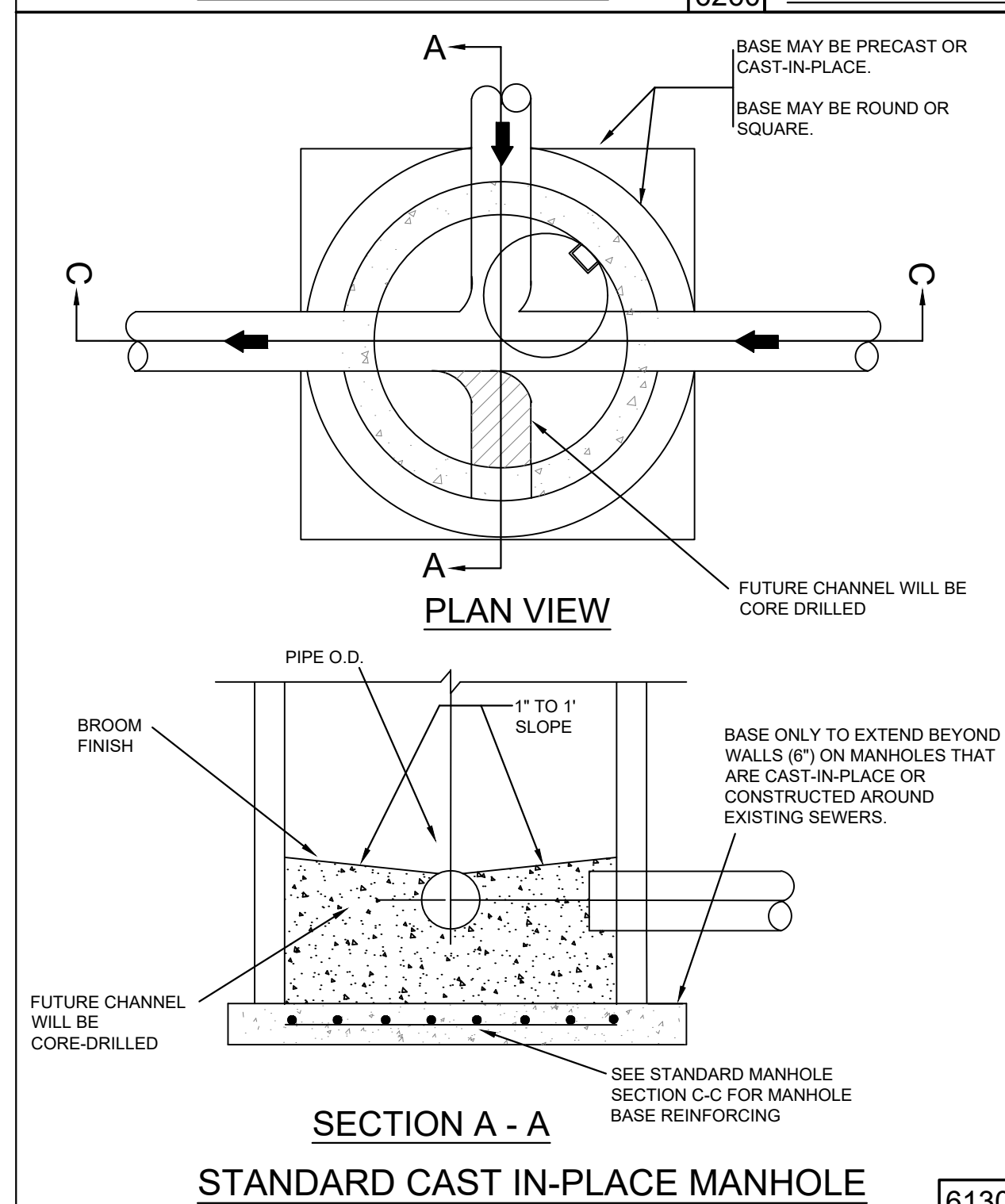
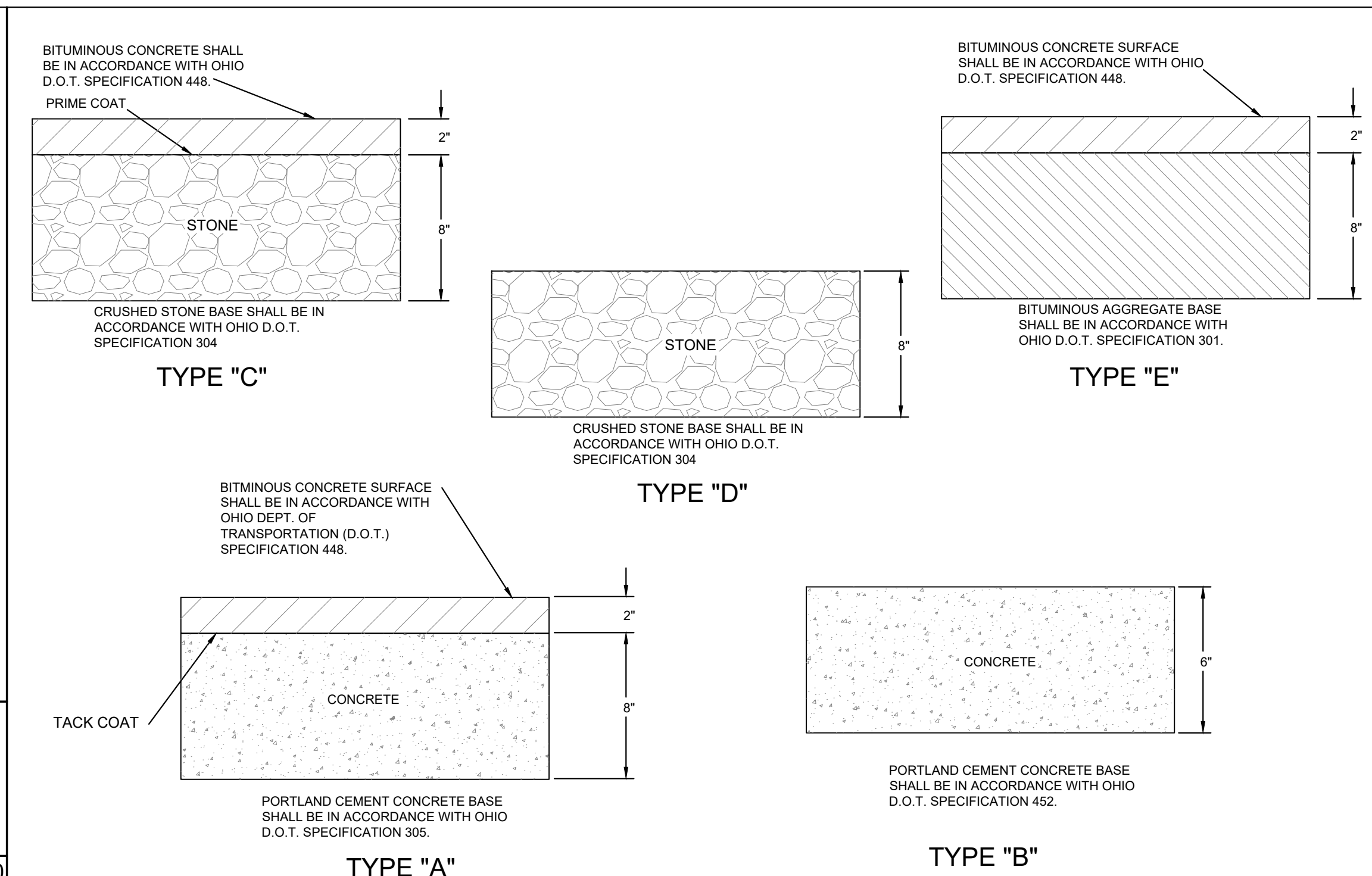
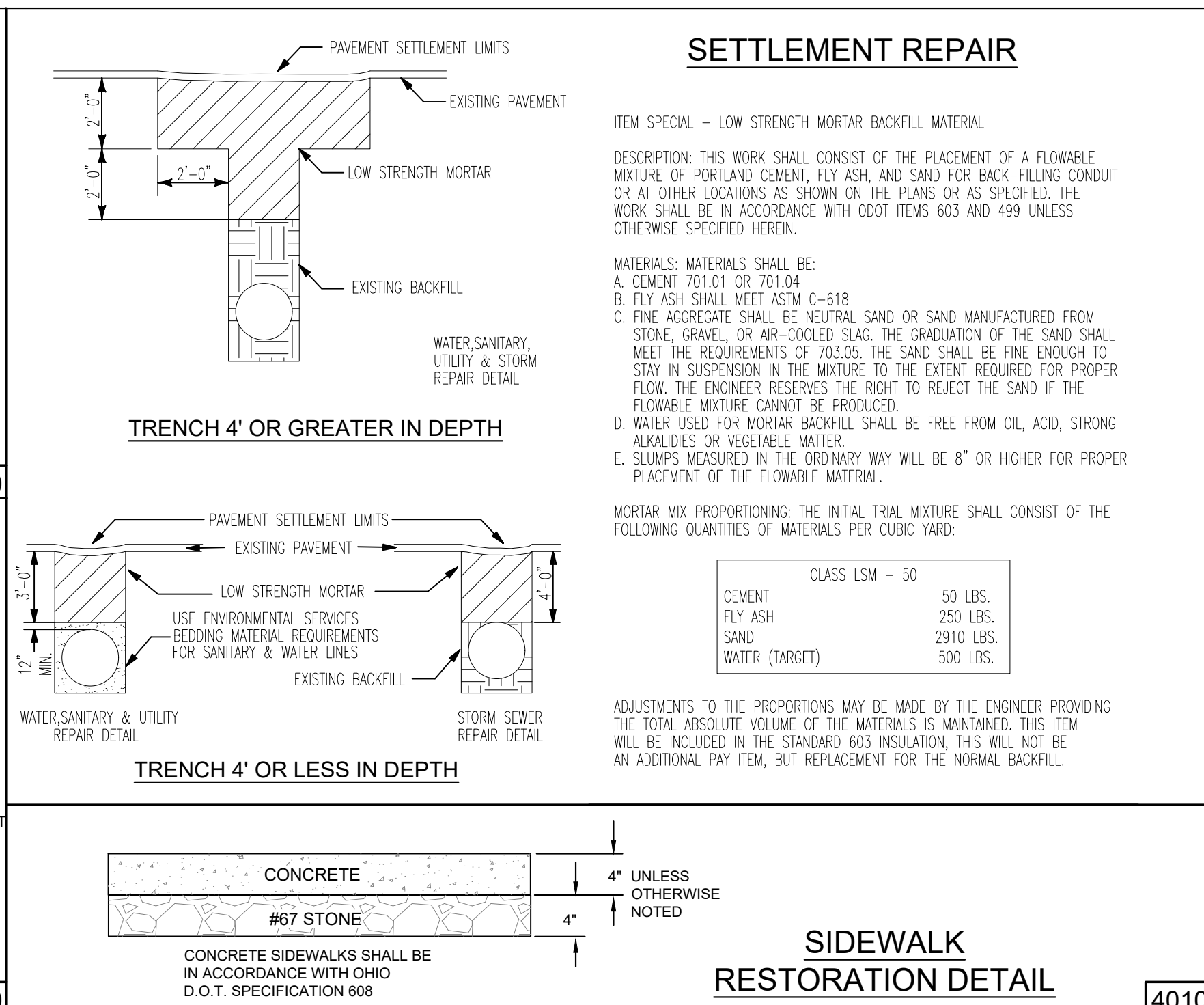
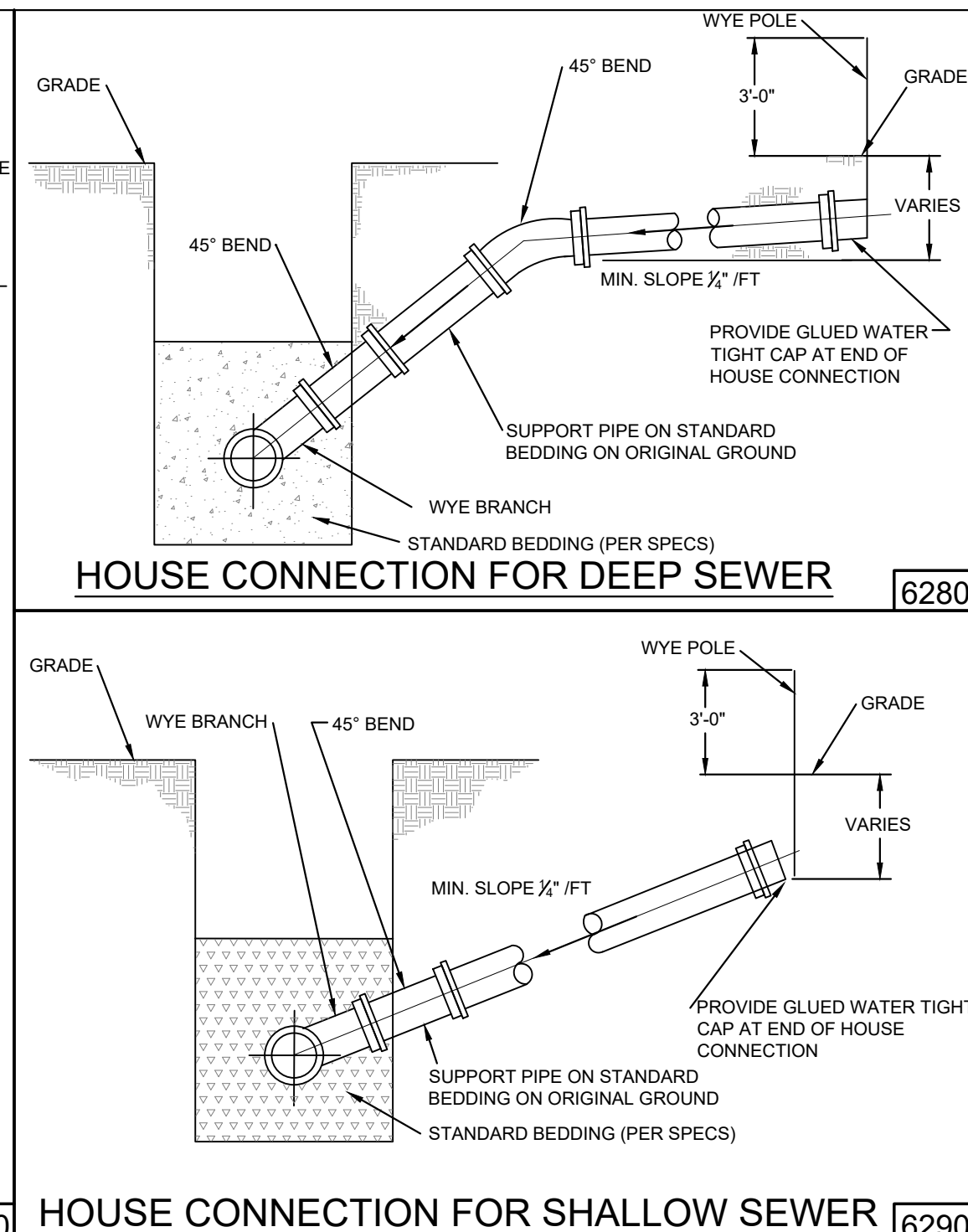
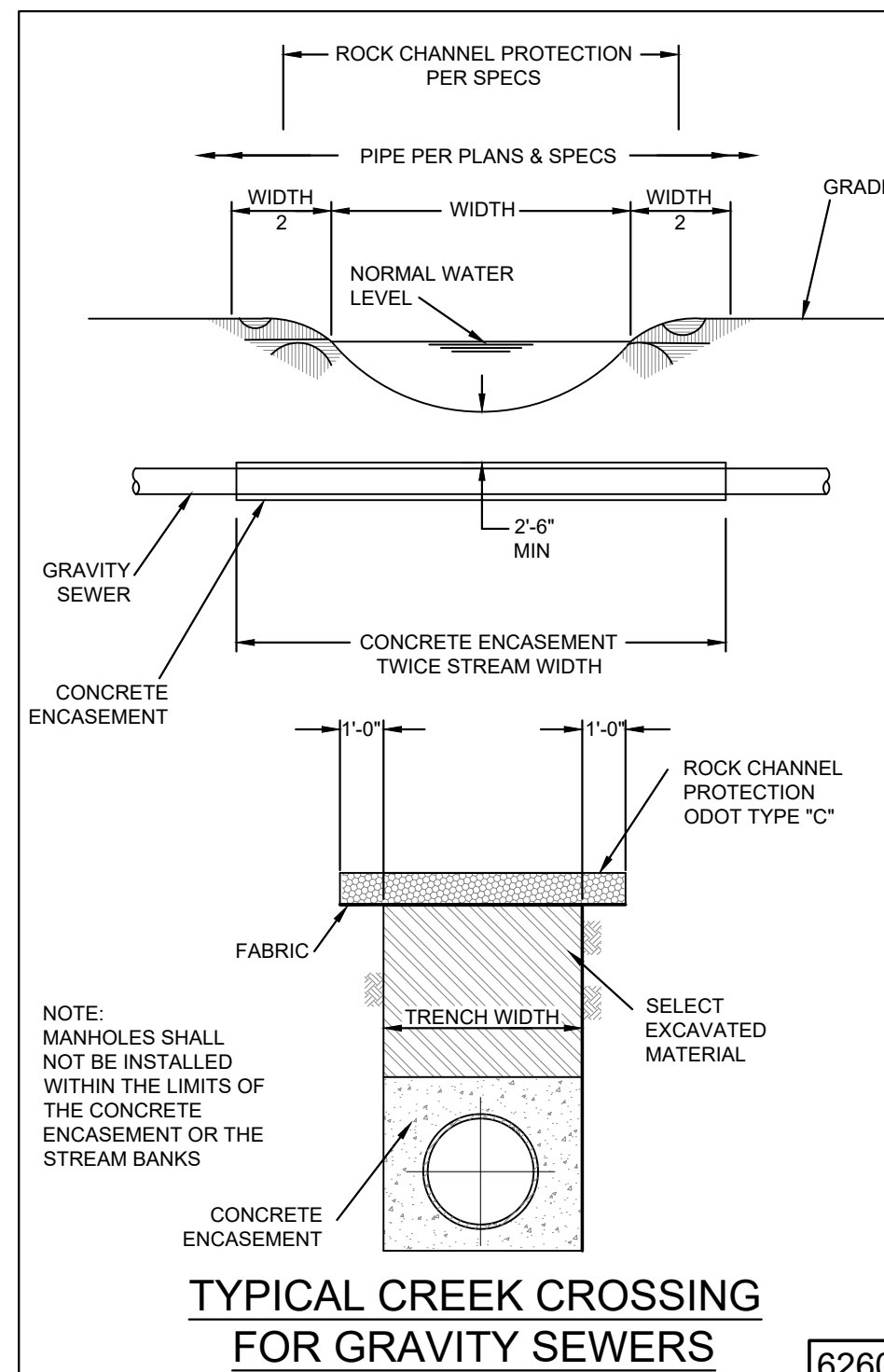
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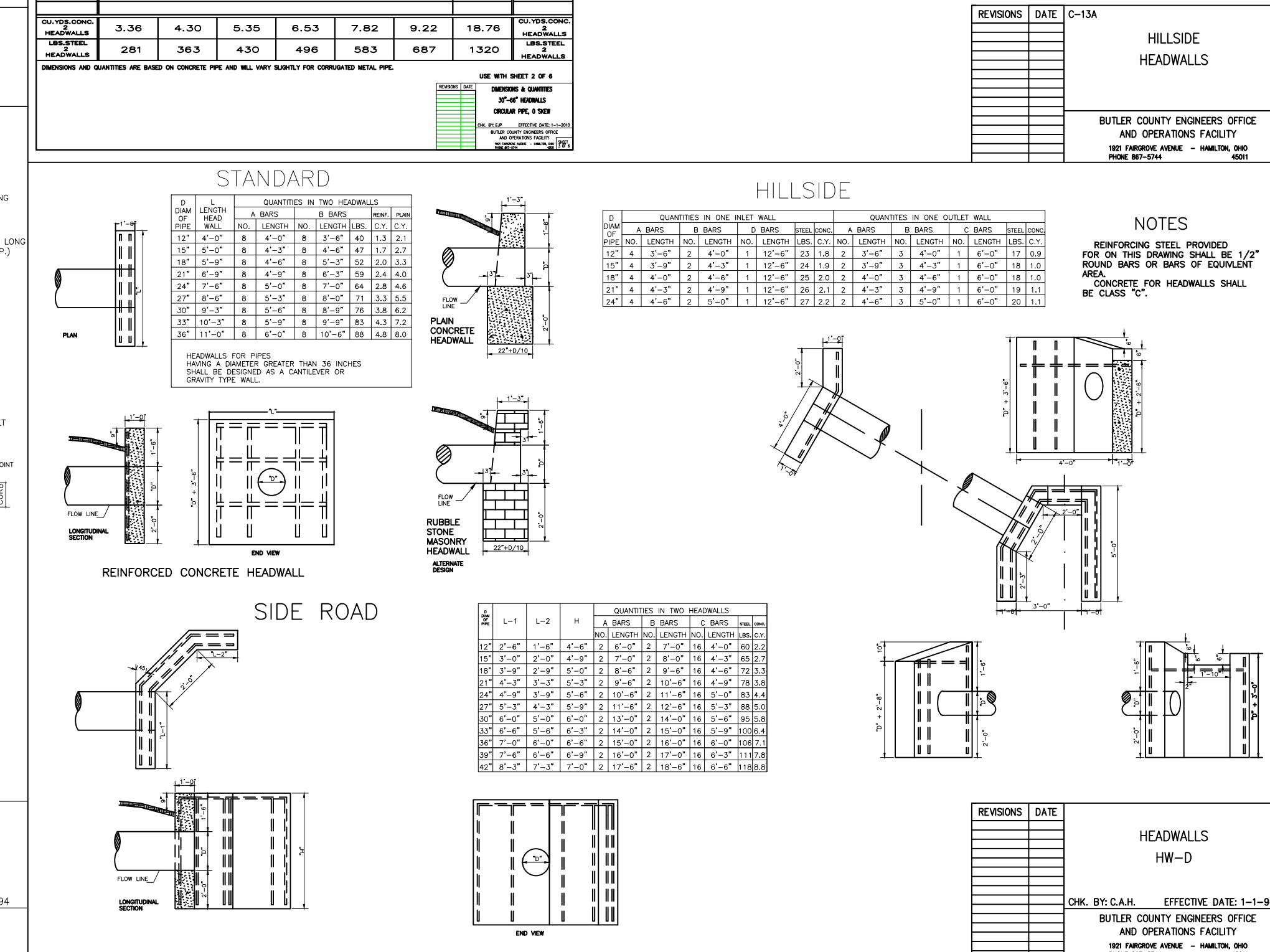
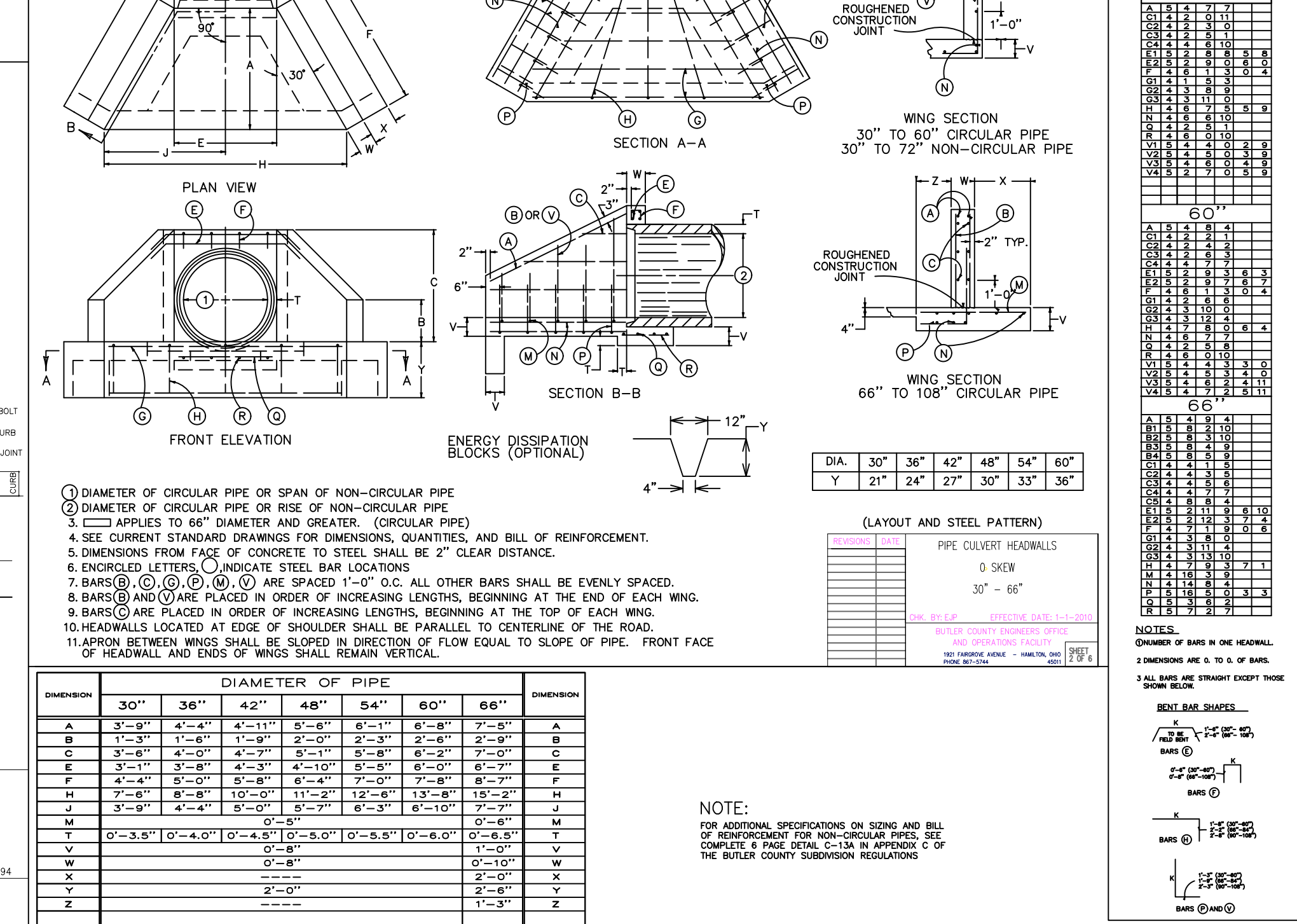
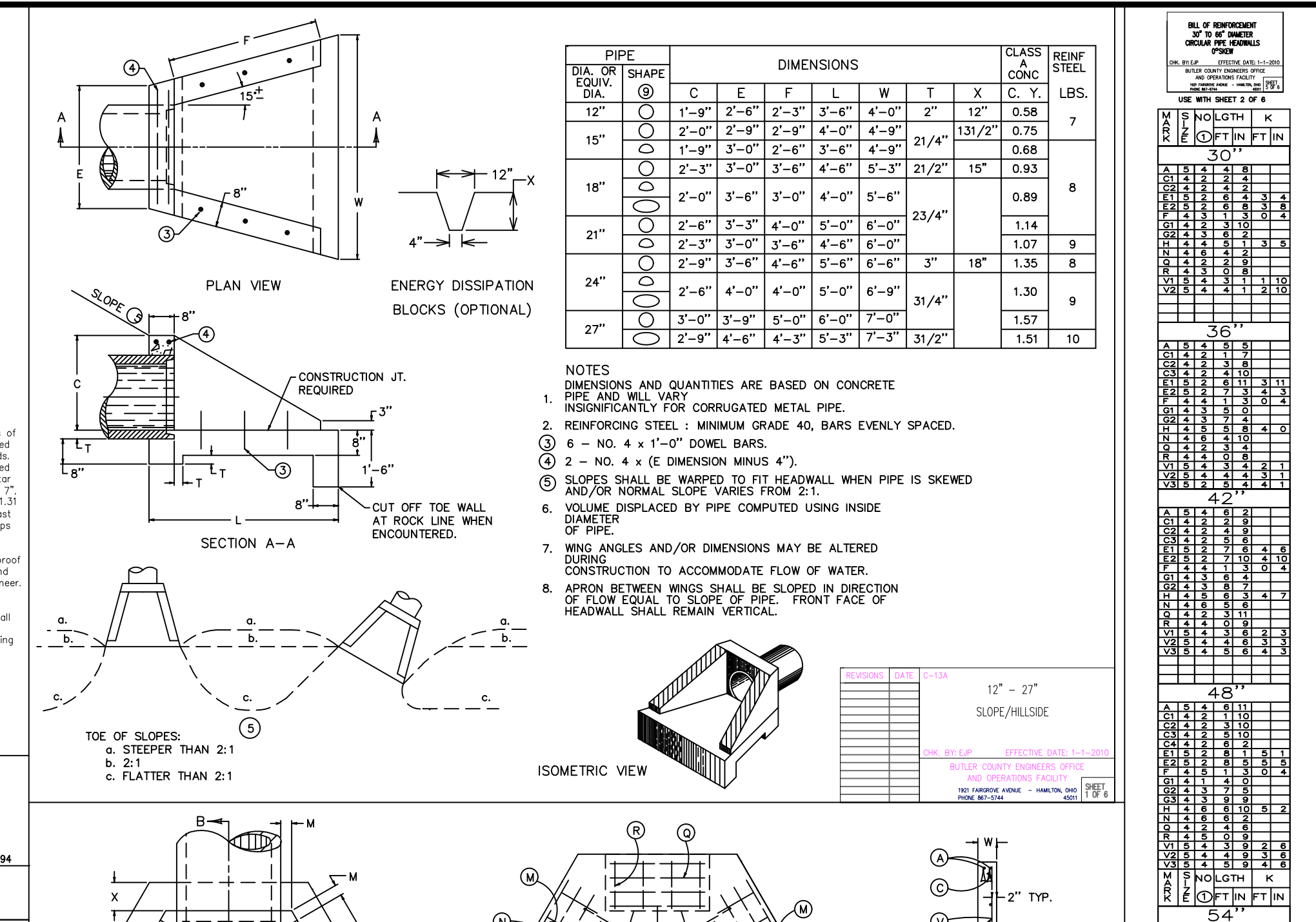
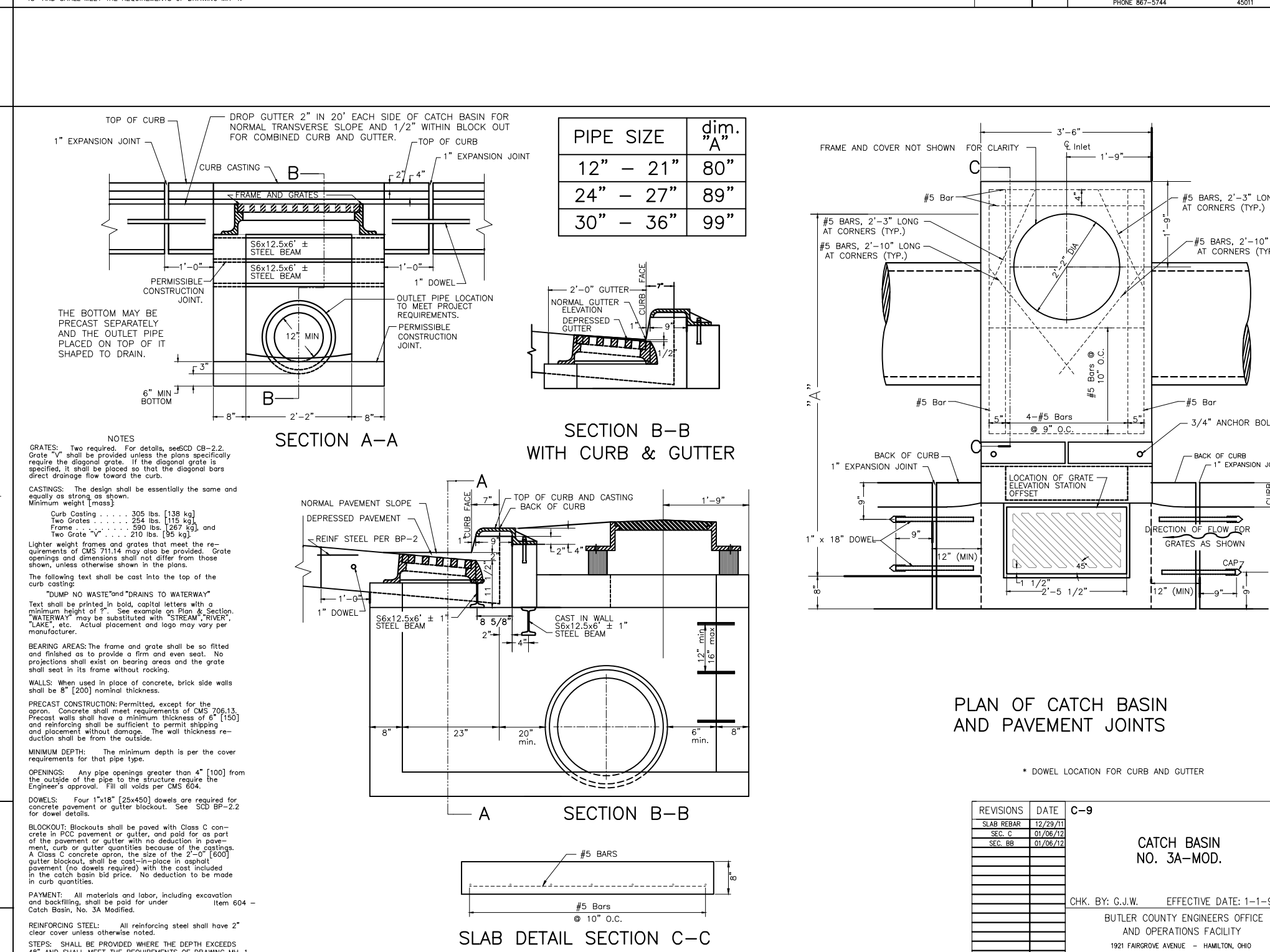
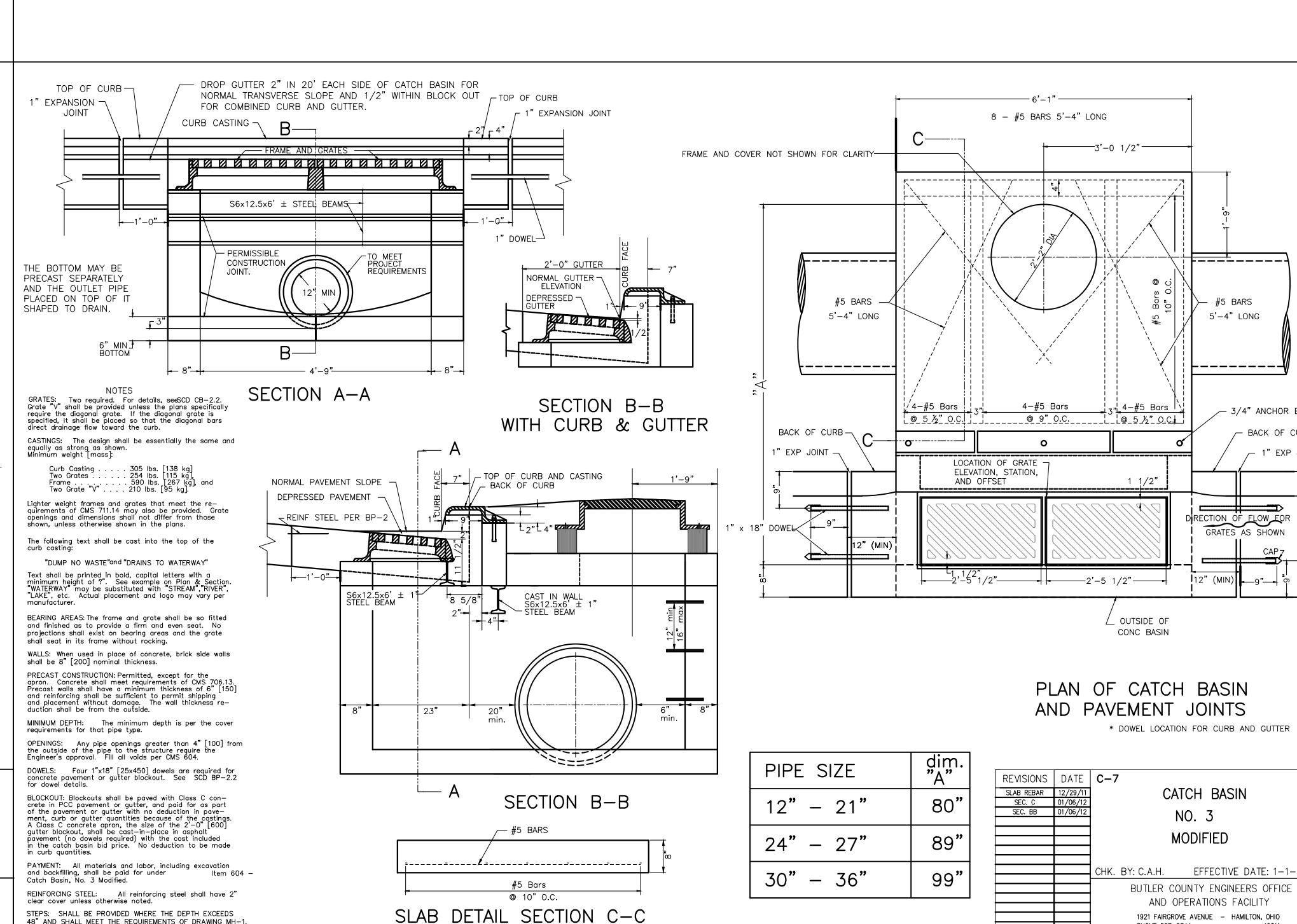
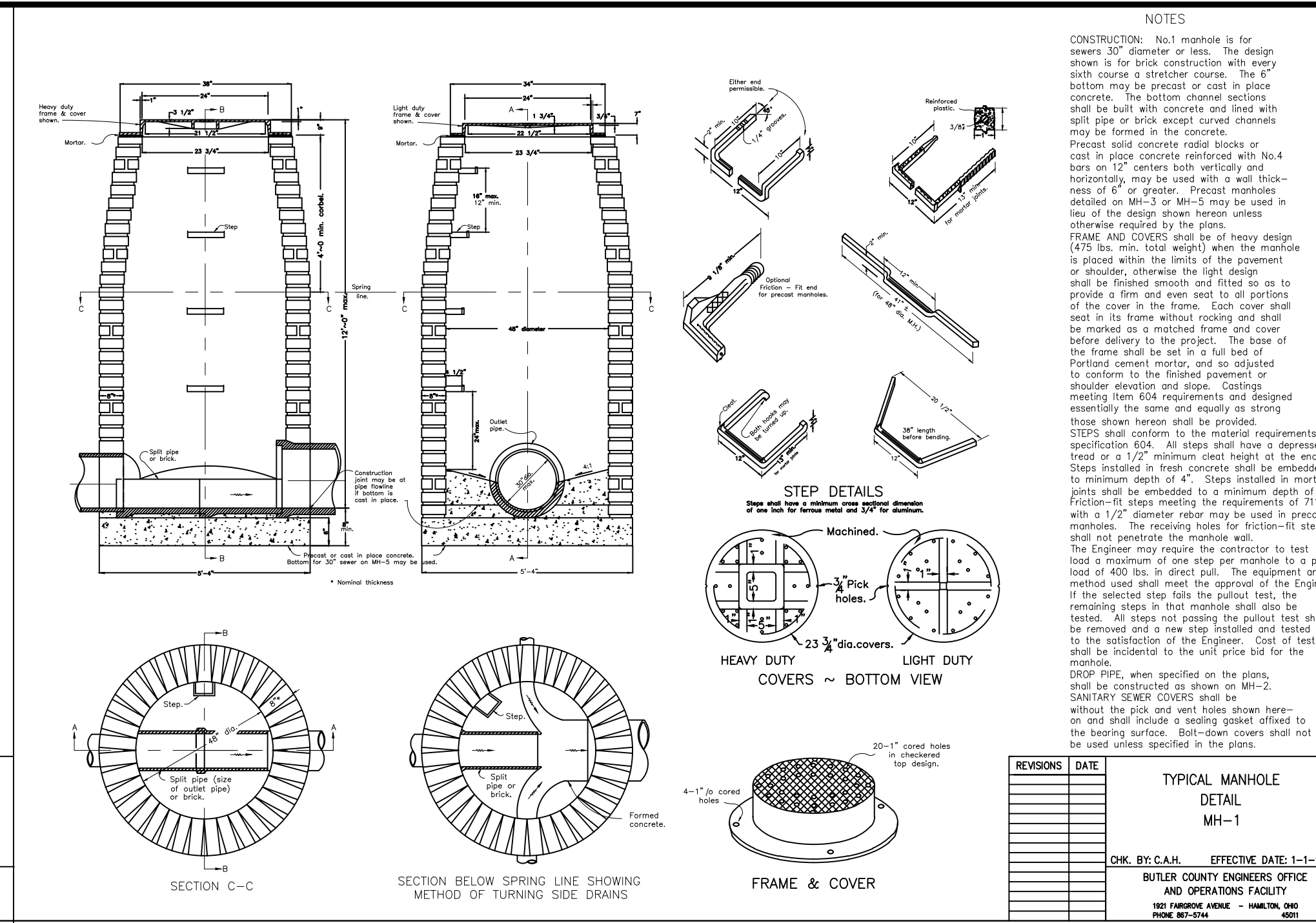
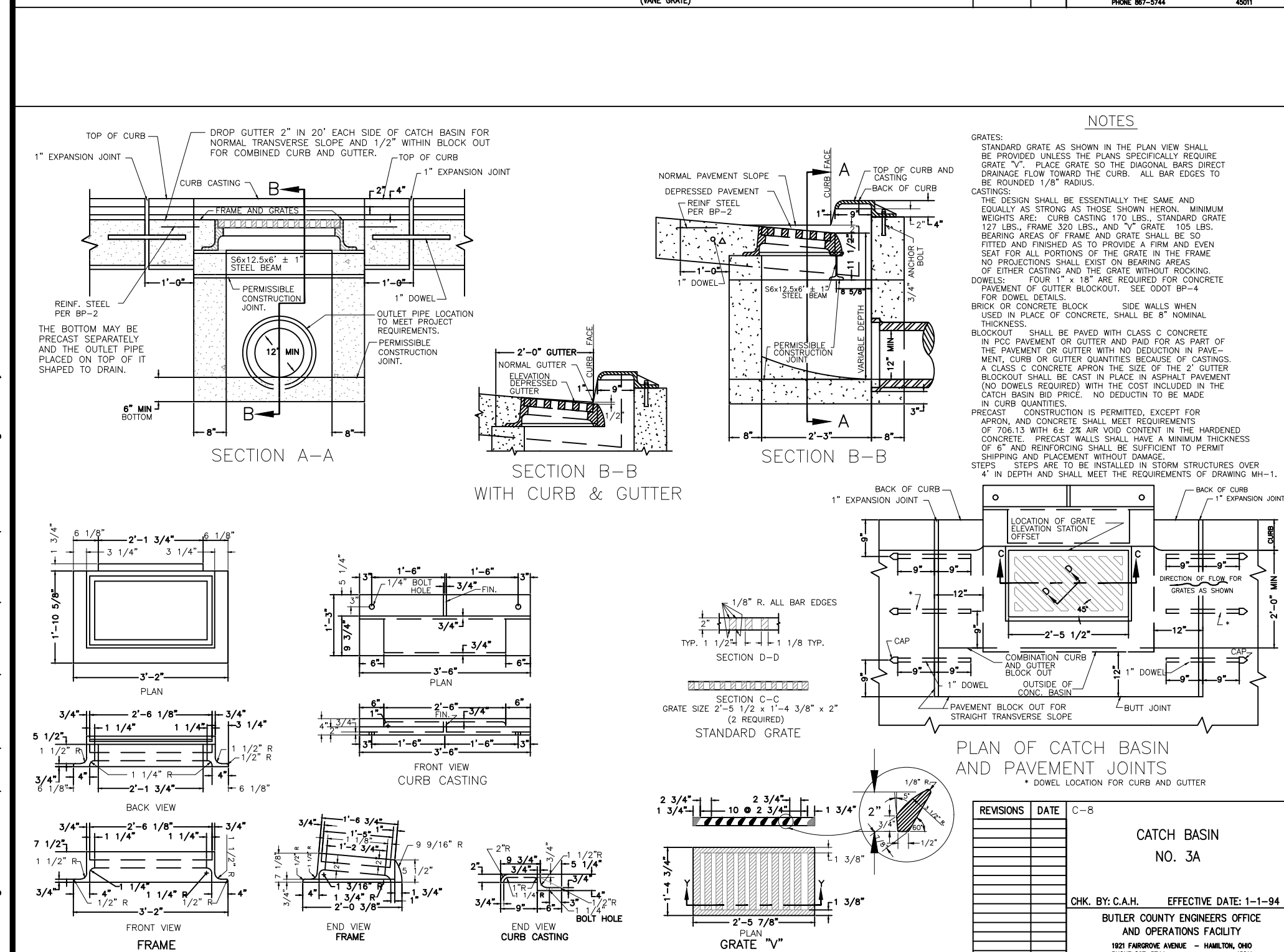
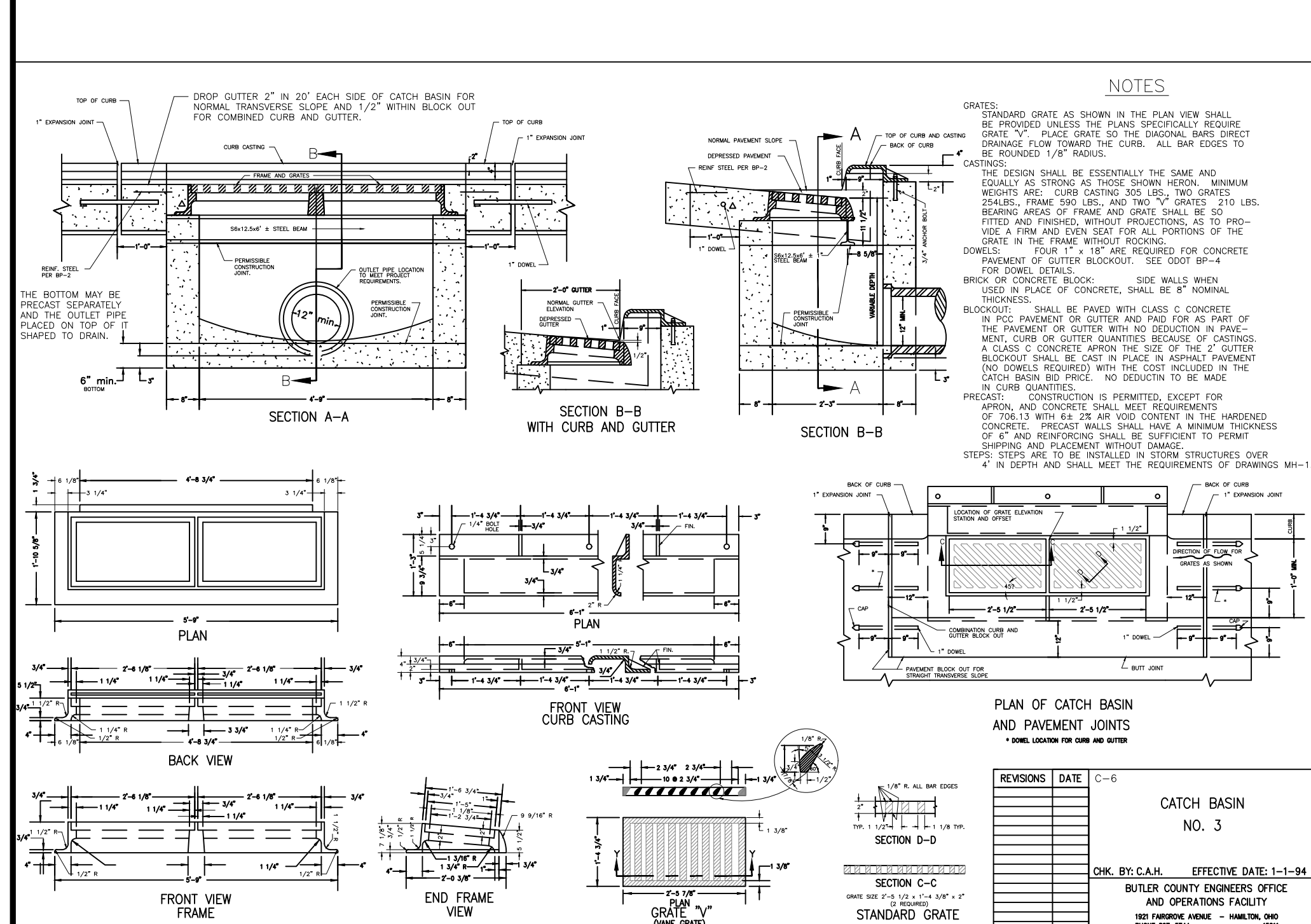
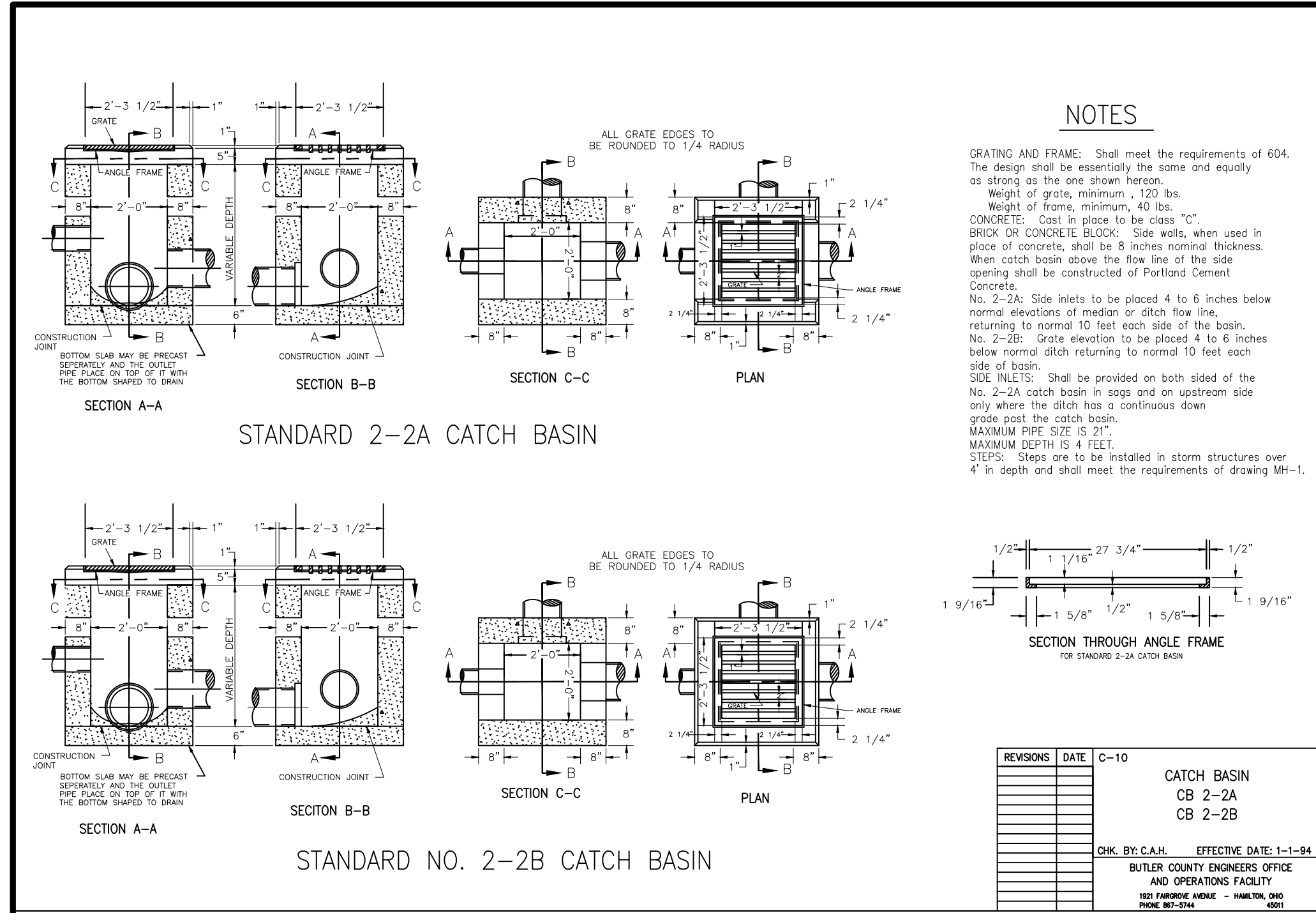
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Drawing:	15M069-004
Drawn by:	TJ
Checked By:	EM
Issue Date:	10-23-
Sheet:	4/9









REVISIONS

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GENERAL NOTES
EROSION AND SEDIMENT CONTROLS

Vegetative Practices
Such practices may include: temporary seeding, permanent seeding, mulching, matting, sod stabilization, vegetative buffer strips, phasing and protection of trees. The contractor shall initiate appropriate vegetative practices on all disturbed areas within seven (7) days if they are to remain dormant (undisturbed) for more than fourteen (14) days. Permanent or temporary soil stabilization shall be applied to disturbed areas within seven (7) days after final grade is reached on any portion of the site.

Structural Practices
Structural practices shall be used to control erosion and trap sediment from all sites remaining disturbed for more than fourteen (14) days.

Timing
Sediment control structures shall be functional throughout earth disturbing activity. Sediment ponds and perimeter sediment barriers shall be implemented as the first step of grading and within seven days from the start of grubbing. They shall continue to function until the upslope development area is restabilized.

Sediment Barriers
Sheet flow runoff from denuded areas shall be intercepted by sediment barriers. Sediment barriers, such as sediment fences or diversions direction runoff to settling facilities, shall protect adjacent properties and water resources from sediment transported by sheet flow.

Erosion and sediment control practices used to satisfy the conditions of this plan shall meet the standards and specifications in the current edition of Water Management and Sediment Control in Urbanized Areas (Soil Conservation Service.)

Waste Disposal
No solid or liquid waste, including building materials, shall be discharged in storm water runoff. Off-site vehicle sediment of sediments shall be minimized. The plan shall ensure and demonstrate compliance and applicable State of local waste disposal, sanitary sewer or septic system regulations.

Maintenance
All temporary and permanent control practices shall be maintained and repaired as needed to assure continued performance of their intended function.

Dormant Seeding
1. Seedlings shall not be planted from October 1 through November 20. During this period the seeds are likely to germinate but probably will not be able to survive the winter.

2. The following methods may be used for "Dormant Seeding":
From October 1 through November 20, prepare the seedbed, add the required amounts of lime and fertilizer, then mulch and anchor. After November 20 and before March 15, broadcast the selected seed mixture. Increase the seeding rates by 50% for this type of seeding.

From November 20 through March 15, when soil conditions permit, prepare the seedbed, lime and fertilize, apply the selected seed mixture, mulch and anchor. Increase the seeding rates by 50% for this type of seeding.

Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder, or hydro-seeder (slurry may include seed and fertilizer) on a firm, moist seedbed.

Where feasible, except when a cultipacker type seeder is used, the seedbed should be formed following seeding operations with a cultipacker, roller, or light drag. On sloping land, seeding operations should be on the contour where feasible.

REVEGETATION
Seed, sod or mulch bare soil as soon as possible

SEEDING AND MULCHING
Spread 4 to 6 inches of topsoil. Fertilize according to soil test (or apply 10 lb./1000 sq. ft. of 20-10-10 or 10-10-10 fertilizer.) Seed with an appropriate mix for the site (see table). Rake lightly to cover seed with 1/4" of soil. Roll lightly. Mulch with straw (70-90 lb. or one bale per 1000 sq. ft.) Anchor mulch by punching 2 inches into the soil with a dull, weighted disk or by using netting or other measures on steep slopes, or windy areas. Water gently every day or two to keep soil moist. Less watering is needed once grass is 2 inches tall.

SODDING
Spread 4 to 6 inches of topsoil. Fertilize according to soil test (or apply 10 lb./1000 sq. ft. of 20-10-10 or 10-10-10 fertilizer.) Lightly water the soil. Lay sod. Tamp or roll lightly. On slopes, lay sod starting at the bottom and work toward the top. Peg each piece down in several places. Initial watering should wet soil 6 inches deep (or until water stands 1 inch deep in a straight-sided container.) Then water lightly every day or two for 2 weeks. If construction is completed after October 31, seeding or sodding may be delayed. Applying mulch or temporary seed (such as rye or winter wheat) is recommended if weather permits. Straw bale or silt fence must be maintained until final seeding or sodding is completed in spring March 15- May 31.

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