STANDARD ROLL TYPE

**CURB & GUTTER** 

STANDARD DROP CURB

JOINTS: ONE INCH EXPANSION JOINTS SHALL EXTEND UP TO TOP OF THE CURB AND SHALL BE CONSTRUCTED IN THE CURB AND GUTTER SECTION IN SUCH A MANNER THAT THE JOINT SEAL WILL EXTEND THE FULL WIDTH OF THE GUTTER AND INTO THE CURB FACE A SUFFICIENT DISTANCE TO SEAL THE JOINT TO AN ELEVATION OF AT LEAST TWO (2) INCHES ABOVE THE FLOW LINE OF THE GUTTER SECTION AT EXPANSION JOINTS. ALL JOINTS SHALL BE CONSTRUCTED PERPENDICULAR TO THE EDGE OF THE CURB AND TO THE SURFACE OF THE PAVEMENT. TRANSVERSE EXPANSION JOINT MATERIAL SHALL MEET THE REQUIREMENTS OF 705.03. EXPANSION MATERIAL AND JOINT SEALER IS NOT REQUIRED WHEN CURB IS ADJACENT TO FLEXIBLE TYPE PAVEMENT.

3 1 1/2"LEVELING COURSE OF ITEM 448 ASPHALTIC CONCRETE

DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF CONDUITS FOR THE FULL WIDTH OF THE PUBLIC RIGHT OF WAY AT A DEPTH OF

38"FOR USE BY THE ELECTRIC, TELEPHONE AND CABLE TV SERVICES. THE LOCATION OF THESE LINES SHALL BE COORDINATED WITH UTILITY COMPANIES BY THE DEVELOPER.

7. SANITARY LATERALS SHALL BE EXTENDED BEYOND THE LIMITS OF THE UTILITY EASEMENTS, BUT NOT TO EXCEED 12' FROM THE RIGHT OF WAY LINE

8. ALL ELECTRICAL TRANSFORMERS SHALL BE LOCATED SO THAT THEY DO NOT INTERFERE WITH THE EXISTING MANHOLES.

10. THE SANITARY SEWER SHALL BE PLACED IN SUCH A MANNER THAT THE SANITARY MANHOLE COVER DOES NOT CONFLICT WITH THE SIDEWALK.

9. SUMP LINE CONDUITS ARE TO BE SDR 35.

**EMERGENCY ACCESS DRIVE** 

**PAVEMENT SECTION** 

N. T. S.

WESTVIEW MEADOWS **PHASES 4 & 5** 

**SECTION 9, TOWN 3, RANGE 2 WEST CHESTER TOWNSHIP BUTLER COUNTY, OHIO** 

**VICINITY MAP** 

NOT TO SCALE

**SHEET INDEX** 

(513) 248-5400

**COVER SHEET** 

AS NOTED Drawn By Proj. Mgr. Survey Database 16619004-DTL-00

Project Number

By Date

JW 07/30/20

Revision

BCWS COMMENTS

BCEO COMMENTS

JAMES H.

WATSON

49886

Utilities Protection

1-800-362-2764

CALL TWO WORKING DAYS BEFORE YOU DIG NON MEMBERS MUST BE CALLED DIRECTLY

SERVICE

Call Before You Dig



PHASE 4 PHASE 5

1.36

0.80

**17** 

6.43

1.44

8.78

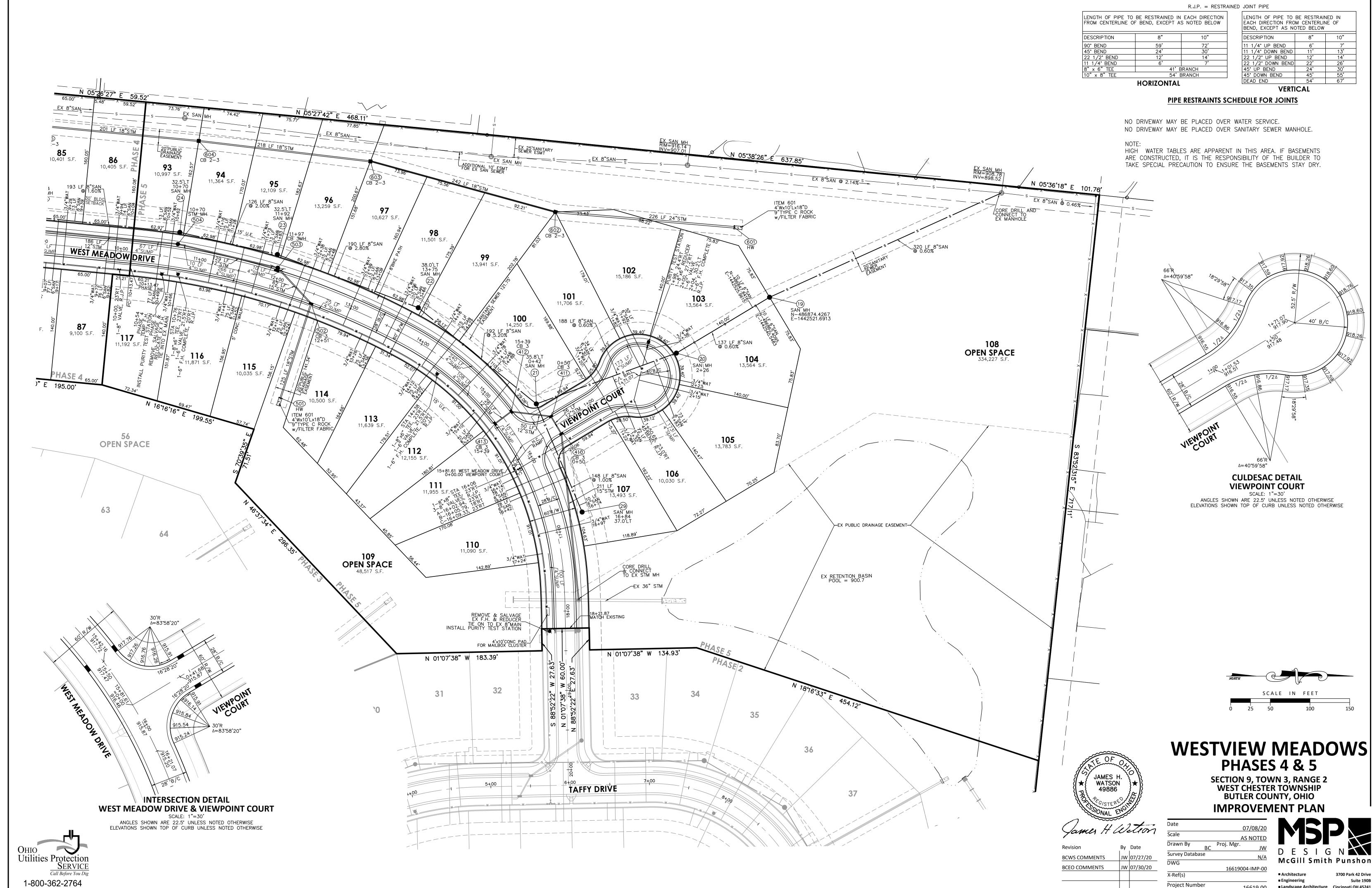
16.65

Project Number

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1-800-362-2764

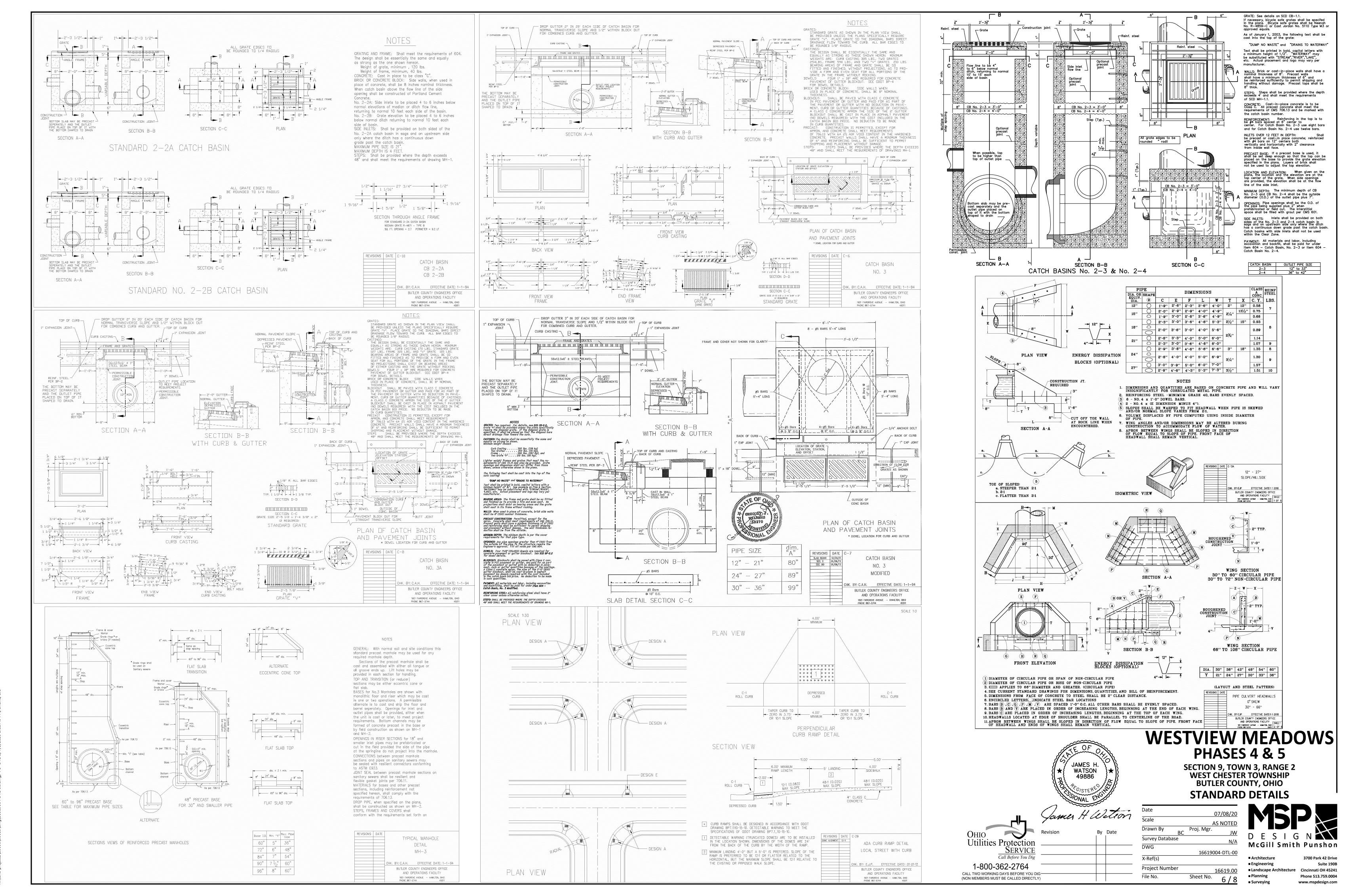
CALL TWO WORKING DAYS BEFORE YOU DIG NON MEMBERS MUST BE CALLED DIRECTLY)



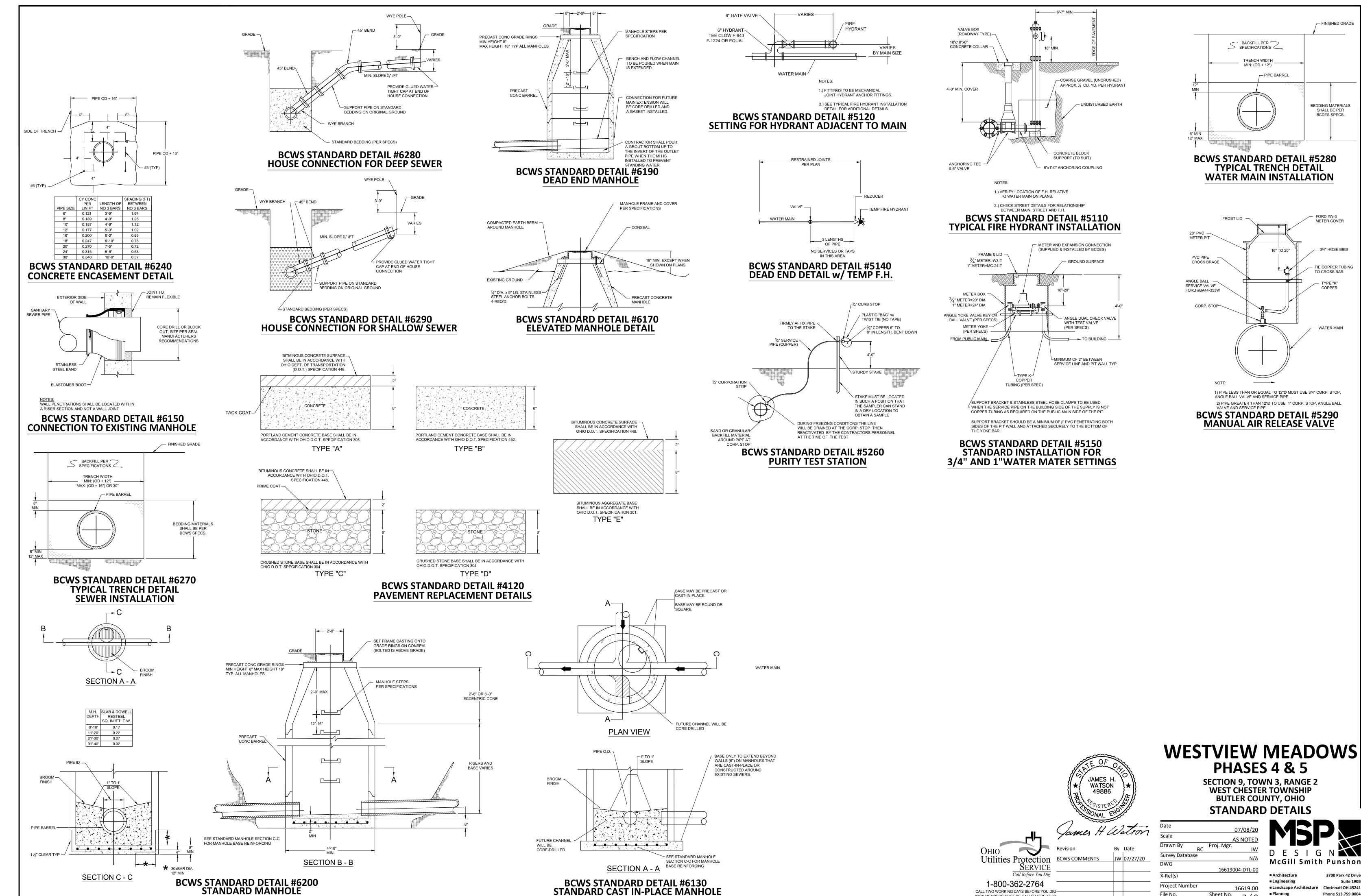
CALL TWO WORKING DAYS BEFORE YOU DIG NON MEMBERS MUST BE CALLED DIRECTLY)

Project Number

LEGEND



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(NON MEMBERS MUST BE CALLED DIRECTLY)

Specifications

2. The site shall be graded as needed to permit the use of conventional equipment for seedbed preparation and seeding.

preparation should be limited to what

#### 3. Resoil shall be applied where needed to establish vegetation.

SFEDBED PREPARATION

or 2 tons/ac.

12-12-12 analysis.

is necessary for establishing

vegetation.

1. Lime—Agricultural ground limestone shall be applied to acid soil as recommended by a soil test. In lieu of a soil test, lime shall be applied at the rate of 100 lbs./1,000 sq. ft.

2. Fertilizer-Fertilizer shall be applied as recommended by a soil test. In lieu of a soil test, fertilizer shall be applied at a rate of 12 lb./1,000 sq. ft. or 500 lb./ac/ of 10-10-10 or

3. The lime and fertilizer shall be worked into the soil with a disk harrow, spring-tooth harrow, or other suitable field implement to a depth of 3 in. On sloping land the soil shall be worked on the contour.

#### SEEDING DATES AND SOIL CONDITIONS

Seeding should be done March 1 to May 31 or Aug. 1 to September 30 These seeding dates are ideal but, with the use of additional mulch and irrigation, seedings may be made any time throughout the growing season. Tillage/ seedbed preparation should be done when the soil is dry enough to crumble and not form ribbons when compressed by hand. For winter seeding, see the following section on dormant seeding.

#### DORMANT SEEDINGS

I. Seedings 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, and the required amounts of lime and fertilizer, then mulch and anchor After November 20, and before March 15, broadcast the selected seed mixture, mulch and anchor. 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

 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 firmed following seeding operations with a cultipacke roller or light drag. On sloping land, seeding operations should be on the contour where feasible.

### MULCHING

1. Mulch material shall be applied immediately after seeding. Seedings made during optimum seeding dates and with favorable soil conditions and on very flat areas may not need mulch to achieve adequate stabilization. Dormant seeding shall be mulched.

Kentucky Bluegrass

Creeping Red Fescue

Note: Other approved seed species may be substituted

2. Materials \* Straw-If straw is used it shall be unrotted small—grain straw applied at the rate of 2 tons/ac. or 90 lb./1.000 sa. ft. (two to three bales) The mulch shall be spread uniformly by hand or mechanically so the soi surface is covered. For uniform distribution of hand-spread mulch. divide area into approximately 1.000-sa.-ft, sections and spread two 45-lb. bales of straw in each

\* Hydroseeders-If wood cellulose fiber is used, it shall be used at 2.000 lb./ac/ or 46 lb./1,000 sq. ft.

\* Other—Other acceptable mulches include mulch mattings applied according to manufacturer's recommendations or wood chips

applied at 6 tons/ac. 3. Straw Mulch Anchoring Methods

Straw mulch shall be anchored immediately to minimize loss by wind \* Mechanical—A disk, crimper, or similar type tool shall be set straight

to punch or anchor the mulch

material into the soil. Straw mechanically anchored shall not be finely chopped but, generally, be left longer than 6 in. \* Mulch Nettings—Netting shall be

used according to the manufacturer's recommendations. Netting may be necessary to hold mulch in place in areas of concentrated runoff and on critical slopes.

\* Asphalt Emulsion—Asphalt shall be applied as recommended by the manufacturer or at the rate of 160

\* Synthetic Binders-Synthetic binders such as Acrylic DLR (Agri-Tac). DCA-70, Petroset, Terra Tack or equivalent may be used at rates recommended by manufacturer.

\* Wood Cellulose Fiber-Wood cellulose fiber binder shall be applied at a net dry weight of 750 lb./ac. The wood cellulose fiber shall be mixed with water and the mixture shall contain of maximum of 50 lbs./100 gal.

#### IRRIGATION

1. Permanent seeding shall include irrigation to establish vegetation during dry or hot weather or on adverse site conditions as needed fo adequate moisture for seed germination and plant growth.

2. Excessive irrigation rates shall be avoided and irrigation monitored to prevent erosion and damage from

#### Permanent Seeding Seeding Rate Seed Mix Notes: lb./ac. | lb./1.000 ft.<sup>2</sup> General Use 1/2-1 1/4-1/2 Creeping Red Fescue 20-40 Domestic Ryegrass Kentucky Bluegrass 10-20 1/4-1/2 10-20 1/4-1/2

Tall Fescue	40	1	
Dwarf Fescue	40	1	
	Steep Bo	anks or Cut SI	opes
Tall Fescue	40	1	
Crown Vetch Tall Fescue	10 20	1/4 1/2	Do not seed later than Augus
Flat Pea Tall Fescue	20 20	1/2 1/2	Do not seed later than Augus
	Road Di	itches and Swo	ales
Tall Fescue	40	1	
Dwarf Fescue Kentucky Bluegrass	90 5	2 1/4	
		Lawns	
Kentucky Bluegrass Perennial Ryegrass	60 60	1 1/2 1 1/2	

For shaded areas

#### Specifications Permanent Seeding

1. Permanent seeding shall not be 2. Maintenance fertilization rates shall considered established for at least 1 be established by soil test itions or by using the in the following table.

full year from the time of planting. Seeded areas shall be inspected for failure and reestablished as needed. Depending on site conditions, it may be necessary to irrigate, fertilize, overseed, or reestablish plantings in order to provide permanent vegetation for adequate erosion control.	recommendati rates shown i
Maintenance for Permanent Seedings	

Mixture	Formula	lb./ac.	lb./1.000 ft. <sup>2</sup>	Time	Mowing
Creeping Red Fescue Ryegrass Kentucky Bluegrass	10-10-10	500	12	Fall, yearly or as needed.	Not closer than 3"
Tall Fescue	10-10-10	500	12		Not closer than 4"
Dwarf Fescue	10-10-10	500	12		Not closer than 2"
Crown Verch Fescue	0-20-20	400	10	Spring, yearly following establish— ment and every 4—7 yr. thereafter.	Do not mow
Flat Pea Fescue	0-20-20	400	10		Do not mow

#### Specifications Temporary Seeding

Species	lb./1.000 ft. <sup>2</sup>	Per Ac
Oats	3	4 bushe
Tall Fescus	1	40 lb.
Annual Ryegrass	1	40 lb.
Perennial Ryegrass	1	40 lb.
Tall Fescus	1	40 lb.
Annual Ryegrass	1	40 lb.
Rye	3	2 bushe
Tall Fescus	1	40 lb.
Annual Ryegrass	1	40 lb.
Wheat	3	2 bushe
Tall Fescus	1	40 lb.
Annual Ryegrass	1	40 lb.
Perennial Ryegrass	1	40 lb.
Tall Fescus	1	40 lb.
Annual Ryegrass	1	40 lb.
	Oats Tall Fescus Annual Ryegrass Perennial Ryegrass Tall Fescus Annual Ryegrass  Rye Tall Fescus Annual Ryegrass  Wheat Tall Fescus Annual Ryegrass  Perennial Ryegrass  Tall Fescus Tall Fescus	Oats         3           Tall Fescus         1           Annual Ryegrass         1           Perennial Ryegrass         1           Tall Fescus         1           Annual Ryegrass         1           Rye         3           Tall Fescus         1           Annual Ryegrass         1           Wheat         3           Tall Fescus         1           Annual Ryegrass         1           Perennial Ryegrass         1           Tall Fescus         1           Tall Fescus         1           Tall Fescus         1

\* Hydroseeders-If wood cellulose fiber

is used, it shall be used at 2,000

\* Other-Other acceptable mulches

lb./ac. or 46 lb./1,000 sq. ft.

include mulch matting applied

recommendations or wood chips

3. Straw mulch shall be anchored

\* Mechanical-A disk, crimper, of

to punch or anchor the mulch

material into the soil. Straw

similar type tool shall be set straight

mechanically anchored shall not be

finely chopped but generally, be left

\* Mulch Nettings—Netting shall be

used according to the manufacturer's

recommendations. Netting may be

necessary to hold mulch in place in

areas of concentrated runoff and on

\* Asphalt Emulsion—Asphalt shall be

manufacturer or at the rate of 160

\* Synthetic Binders-Synthetic binders

\* Wood Cellulose Fiber-Wood cellulose

fiber binder shall be applied at a net

dry weight of 750 lb./ac. The wood

4" - 8" Rock

PROFILE

3. The maximum height of the

weir shall not exceed 3 ft.

following table:

check dam at the center of the

4. Spacing between dams shall be

as shown in the plans or by the

40 ft.

65 ft.

30 ft.

50 ft.

cellulose fiber shall be mixed with

water and the mixture shall

contain a maximum of 50

lbs./100 gal.

applied as recommended by the

such as Acrylic DLR (Agri—Tac),

DCA-70, Petroset, Terra Tack or

equivalent may be used at rates

recommended by manufacturer.

immediately to minimize loss by wind

according to manufacturer's

applied at 6 tons/ac.

4. Anchoring Methods:

longer than 6 in.

critical slopes.

or water.

Note: Other approved seed species may be substituted 1. Structural erosion and sediment control practices such as diversions

and sediment traps shall be installed and stabilized with temporary seeding prior to grading the rest of the construction site. 2. Temporary seed shall be applied between construction operations on soil that will not be graded or reworked for 45 days or more.

These idle areas should be seeded as soon as possible after grading or shall be seeded within 7 days. Several applications of temporary seeding are necessary on typical 3. The seedbed should be pulverized and loose to ensure the success of establishina veaetation. However

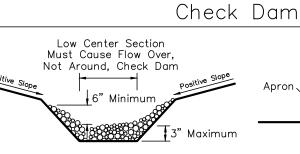
temporary seeding shall not be postponed if ideal seedbed preparation is not possible. 4. Soil Amendments-Applications of temporary vegetation shall establish adequate stands of vegetation that may require the use of soil amendments. Soil tests should be

taken on the site to predict the need

for lime and fertilizer. 5. Seeding Method-Seed shall be applied uniformly with a cyclone seeder, drill, cultipacker seeder, or hydroseeder. When feasible, seed that has been broadcast shall be covered by raking and dragging and then lightly tamped into place using a roller or cultipacker. If hydroseeding is used, the seed and fertilizer will be mixed on site and the seeding shall be done immediately and without interruption. MULCHING TEMPORARY SEEDING 1. Applications of temporary seeding shall include mulch that shall be

applied during or immediately after seeding. Seedings made during optimum seeding dates and with favorable soil conditions and on very flat areas may not need mulch to achieve adequate stabilization. 2. Materials: \* Straw-If straw is used, it shall be unrotted small-grain straw applied at the rate of 2 tons/ac. or 90 lbs./1,000 sq. ft. (two to three bales). The mulch shall be spread uniformly by hand or mechanically so the soil surface is covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000 sq. ft. sections and spread two 45 lb. bales of straw in each section.

> Specifications for



CROSS SECTION 1. The check dam shall be

constructed of 4-8 in. diameter stone, placed so that it completely covers the width of the channel. 2. The top of the check dam shall be constructed so that the center is approximately 6 in. lower than the outer edges, so water will flow

130 ft

200 ft.

across the center and not around the ends. Check Dam Spacing Channel Slope (ft.) < 5% 5 - 10% 10 - 15 % | 15 - 20% 30 ft. 20 ft. 15 ft.

65 ft.

100 ft.

#### Specifications Mulching

the manufacturer's

by manufacturer.

Specifications

Construction Entrance

50 ft. (or 30 ft. for Access to individual House Lot)

may be used at rates recommended

\* Wood Cellulose Fiber-Wood

of 750 lb./acre. The wood

cellulose fiber may be used for

anchoring straw. The fiber binder

cellulose fiber shall be mixed with

a maximum of 50 lbs./100 gal.

Road or Other Existing Paved Surface.

7. Water Bar-A water bar shall be

construction entrance if needed to

prevent surface runoff from flowing

constructed as part of the

the length of the construction

entrance and out onto paved

8. Maintenance—Top dressing of

conditions demand. Mud spilled.

dropped, washed or tracked onto

immediately. Removal shall be

controls, shall be removed

additional stone shall be applied as

public roads, or any surface where

runoff is not checked by sediment

accomplished by scraping or sweeping

9. Construction entrances shall not

be relied upon to remove mud from

construction site shall be restricted

SECTION

4. Geotextile cloth shall have an

equivalent opening size (EOS) of

sunlight. It shall be at least the

shall be formed to the concrete

gutter and against the face of the

curb on both sides of the inlet and

securely fastened to the 2-by-4 in.

6. Two-inch stone shall be placed

from entering the inlet under or

around the geotextile cloth.

over the wire mesh and geotextile in

such a manner as to prevent water

5. The wire mesh and geotextile cloth

20-40 sieve and be resistant to

same size as the wire mesh.

Vehicles that enter and leave the

from muddy areas.

Specifications

Curb Inlet Protection

vehicles and prevent off-site tracking

surfaces.

water and the mixture shall contain

shall be applied at a net dry weight

1. Mulch and/or other appropriate \* Mechanical-Use a disk, crimper vegetative practices shall be applied or similar type tool set straight to to disturbed areas within 7 days of punch or anchor the mulch material into the soil. Straw mechanically grading if the area is to remain dormant (undisturbed) for more anchored shall not be finely than 45 days or on areas and chopped but generally be left longer portions of the site which can be than 6 in.

brought to final grade. 2. Mulch shall consist of one of the following:

placement and anchoring \* Straw-Straw shall be unrotted small—grain straw applied at the rate of 2 tons/ac. or 90 lbs./1,000 hold mulch in place. sa. ft. (two to three bales). The mulch shall be spread uniformly by hand or mechanically so the soil surface is covered. For uniform distribution of hand-spread mulch. as it is being applied or as divide area into approximately 1,000 sa. ft. sections and spread two 45 lb. bales of straw in each section.

\* Hydroseeders-Wood cellulose fiber should be used at 2,000 lb./ac. or 46 lbs./1,000 sq. ft.

recommendations or wood chips applied at 10-20 tons/ac. 3. Mulch Anchoring—Mulch shall be anchored immediately to minimize loss by wind or runoff. The following are accepted methods for

\* Other-Other acceptable mulches

include mulch matting applied

according to manufacturer's

anchoring mulch:

PLAN VIEW

PROFILE

eauivalent.

length apples).

at least 6 in. thick.

or egress occurs.

least 190 lbs.

surfaces.

PLAN VIEW

ELEVATION

Inlet protection shall be

constructed either before upslope

storm drain becomes operational.

2. The wooden frame is to be

beyond both ends of the throat

constructed of 2-by-4 in.

opposite side of the curb.

3. The wire mesh shall be of

land disturbance begins or before the

construction grade lumber. The end

spacers shall be a minimum of 1 ft.

opening. The anchors shall be nailed

to 2-by-4 in. stakes driven on the

sufficient strength to support fabric

and stone. It shall be a continuous

and 4 ft. longer than the throat

length of the inlet, 2 ft. on each

piece with a minimum width of 30 in.

Stone Size—Two—inch stone shall

2. Length-The construction entrance

stabilize high traffic areas but not

less than 50 ft. (except on single

residence lot where a 30-ft. minimum

3. Thickness—The stone layer shall be

4. Width—The entrance shall be at

least 10 ft. wide, but not less than

5. Bedding-A geotextile shall be

the full width at points where ingress

placed over the entire area prior to

placing stone It shall have a Grab

Tensile Strenath of at least 200 lb.

6. Culvert—A pipe or culvert shall be

constructed under the entrance is

needed to prevent surface water

flowing across the entrance from

being directed out onto paved

and a Mullen Burst Strength of at

shall be as long as required to

be used, or recycled concrete

and Not Less Than Width of

## Inlet Protection in Swales, Ditch Lines or Yard Inlets \* Mulch Nettings—Use according to recommendations, following all suggestions. Use in areas of water concentration and steep slopes to \* Asphalt Emulsion—For straw mulch, apply at the rate of 160 gal. /ac. (0.1 gal. /sy) into the mulch recommended by the manufacturer. \* Synthetic Binders-For straw mulch, synthetic binders such as Acrylic DLR (Agri-Tac), DCA-70, Petroset, Terra Tack or equivalent

1. Inlet protection shall be constructed either before upslope land disturbance begins or before

the storm drain becomes

operational.

2. The earth around the inlet shall be excavated completely to a depth of at least 18 in.

3. The wooden frame shall be constructed of 2-by-4 in. construction grade lumber. The 2-by-4 in. posts shall be driven t. into the ground at four corners of the inlet and the top portion of 2-by-4 in. frame assembled using the overlap joint shown. The top of the frame shall be at least 6 in. below adjacent roads if ponded water would pose a safety hazard to

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 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. I shall extend from the top of the frame to 18 in, 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.

. ⊿ ላ.

2" x 4" Frame

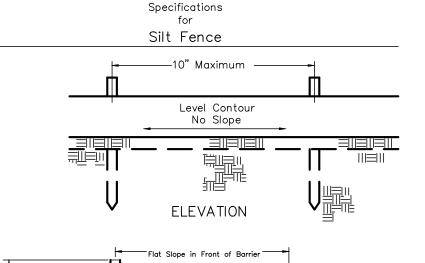
Geotextile Over

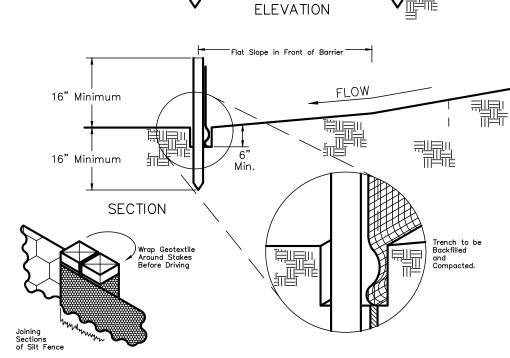
⊞ Backfill

Around

6. Backfill shall be placed around the inlet in compacted 6—in. layers until the earth is even with notch elevation on ends and top elevation on sides.

7. A compacted earth dike or a check dam shall be constructed in the ditch line below the inlet if the inlet is not in a depression and if runoff bypassing the inlet will not flow to a settling pond. The top of the earth dikes shall be at least 6 in. higher than the top of the





Specifications Silt Fence

#### 1. Silt fence shall be constructed before upslope land disturbance

2. All silt fences shall be placed as close to the contour as possible so that water will not concentrate at low points in the fence and so that small swales or depressions, which may carry small concentrated flows to the silt fence, are dissipated along its

3. To prevent water ponded by the silt fence from flowing around the ends, each end shall be constructed upslope so that the ends are at a higher elevation.

4. Where possible, silt fence shall be placed on the flattest area available. 5. Where possible, vegetation shall be preserved for 5 ft. (or as much as possible) upslope from the silt fence. f vegetation is removed, it shall be reestablished within 7 days from the installation of the silt fence.

6. The height of the silt fence shall be a minimum of 16 in. above the original ground surface.

7. The silt fence shall be placed in a trench cut a minimum of 6 in. deep. The trench shall be cut with a trencher, cable laying machine, or other suitable device that will ensure an adequately uniform trench depth.

8. The silt fence shall be placed with the stakes on the downslope side of the geotextile and so that 8-in. of cloth are below the ground surface. Excess material shall lie on the bottom of the 6-in. deep trench. The trench shall be backfilled and compacted.

fence shall be overlapped with the

end stakes of each section wrapped

together before driving into the

Mimimum Tensile Strength . Maximum Elongation at 60 lbs ... Minimum Puncture Strength ...... Mimimum Tear Strength ... Mimimum Burst Strength 9. Seams between section of silt Apparent Opening Size .......

runoff to pass only as diffuse flow through the geotextile. If runoff overtops the silt fence, flows under or around ends, or in any other way becomes a concentrated flow, on of the following shall be performed, as appropriate: 1) The layout of the silt fence shall be changed, 2) Accumulated sediment shall be removed, or 3) Other practices shall be installed.

10. Maintenance—Silt fence shall allow

Criteria for Silt Fence Materials 1. Fence Posts—The length shall be a minimum of 32 in. long. Wood posts will be 2-bv-2 in, of hardwood of sound quality. The maximum spacing between posts shall be 10 ft. 2. Silt Fence Fabric shall be ODOT Type C Geotextile Fabric or as

described by the chart below:

40 lbs .... < 0.84 mm Mimimum Permittivity

Ultraviolet Exposure Strength Retention .... 70 %

OHIO

**Utilities Protection** 

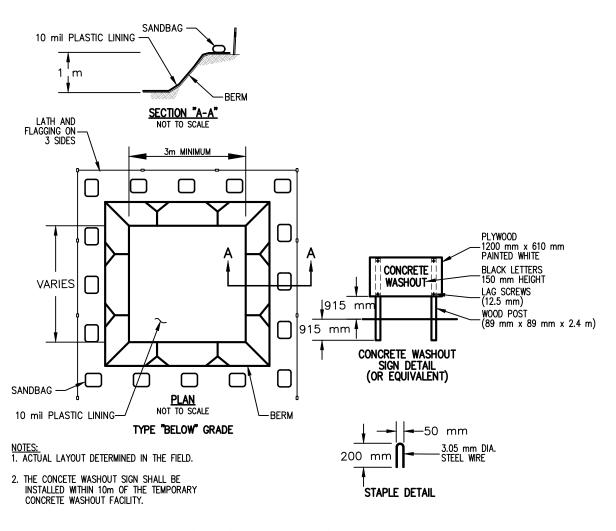
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(NON MEMBERS MUST BE CALLED DIRECTLY)

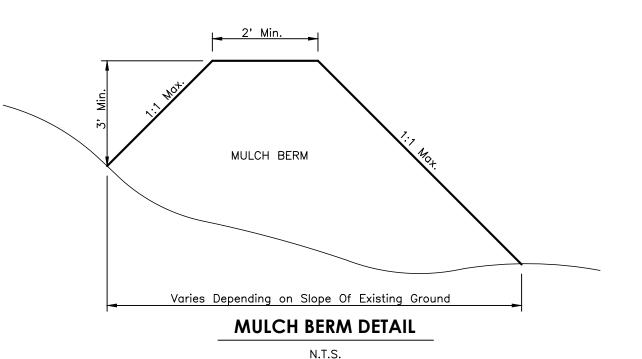
CALL TWO WORKING DAYS BEFORE YOU DIG-

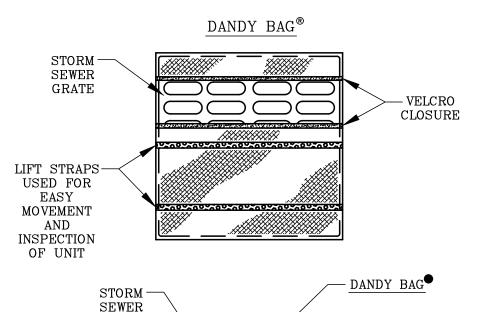
SERVICE

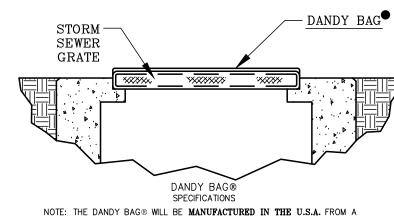
Call Before You Dig



**CONCRETE WASHOUT DETAIL** 







NOTE: THE DANDY BAG® WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (20
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	1/min/m² (gal/min/ft²)	5907 (145)
Permittivity	ASTM D 4491	Sec <sup>-1</sup>	2.1

\*Note: All Dandy Bags® can be ordered with our optional oil absorbent pillows

# WATSON 49886 James H Wetern Bv Date

## WESTVIEW MEADOWS **PHASES 4 & 5**

**SECTION 9, TOWN 3, RANGE 2 WEST CHESTER TOWNSHIP BUTLER COUNTY, OHIO** 

**EROSION CONTROL NOTES & DETAILS** 

Date	07/08/20
Scale	AS NOTED
Drawn By BC	Proj. Mgr.
Survey Database	N/A
OWG	16619004-DTL-00
(-Ref(s)	
Project Number	16619.00
ile No.	Sheet No. Q/Q



■ Landscape Architecture

Phone 513.759.0004 www.mspdesign.com

Suite 190B Cincinnati OH 45241