

NOTES

GRATE: See details on SCD CB-11. If necessary, bicycle safe grates shall be specified in the plans. Bicycle safe grates shall be Kenneh No. B-455-C or East Jordan No. 5110 Type U3 or approved equal. As of January 1, 2003, the following text shall be cast into the top of the grate.

"DUMP NO WASTE" and "DRAINS TO WATERWAY"

Text shall be printed in bold, capital letters with a minimum height of 1/8" (150) and be reinforced sufficiently to permit shipping and handling without damage. Precast tops shall be 8" (200) thick.

WALLS: Brick or cast-in-place walls shall have a nominal thickness of 8" (200). Precast walls shall have a minimum thickness of 6" (150) and be reinforced sufficiently to permit shipping and handling without damage. Precast tops shall be 8" (200) thick.

STEPS: Steps shall be provided where the depth exceeds 6" (150) and shall meet the requirements of SCD MH-11.

CONCRETE: Cast-in-place concrete is to be Class C. All precast concrete shall meet the requirements of AWS 708.13 and be marked with the catch basin number.

REINFORCEMENT: Reinforcing in the top 1s to be #4 (#13) bars spaced at 6" (150) center to center. For Catch Basin No. 2-3 use eight bars and for Catch Basin No. 2-4 use twelve bars.

INLETS OVER 12 FEET (3.5 m) IN DEPTH: Shall be precast or cast-in-place concrete; reinforced with #4 (#13) bars on 12" (300) centers both vertically and horizontally with 2" (50) clearance from inside wall face.

PRECAST BASE: If a precast base is used, it shall be set deep enough so that the top can be placed on the base to provide the grate elevation specified in the plans. Layers of brick shall not be used to adjust the top elevation.

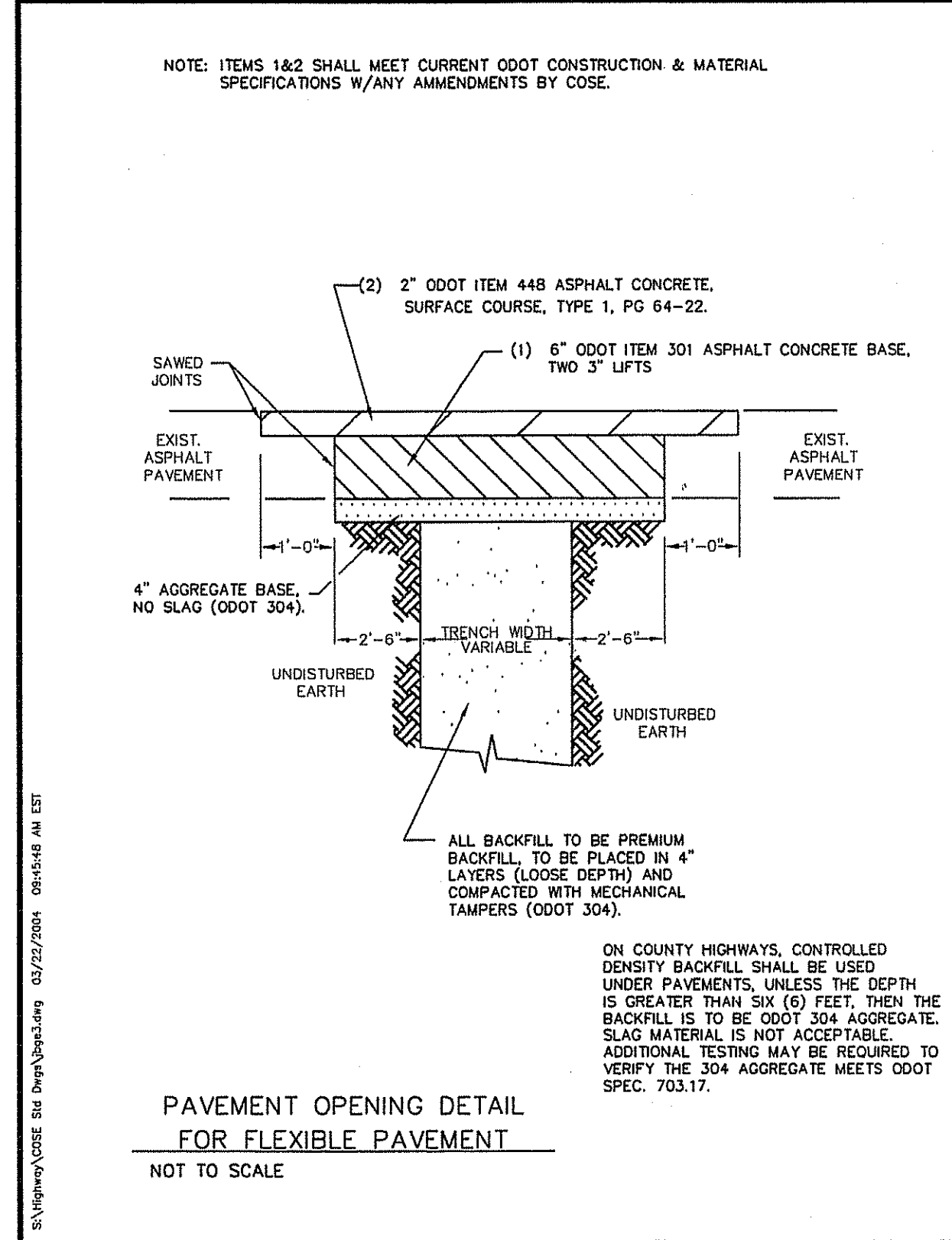
LOCATION AND ELEVATION: When given on the plans, the location and the elevation are at the top center of the grate. When side openings are provided, the elevation shall be at the flow line of the side inlet.

MINIMUM DEPTH: The minimum depth of CB No. 2-3 and CB No. 2-4 shall be the outside diameter (O.D.) of the outlet pipe plus 7" (175).

OPENINGS: Pipe openings shall be the O.D. of the pipe being supplied plus 2" (50) when prefabricated or field cut. The interstitial space shall be filled with gravel per CMS 601.

SIDE INLETS: Inlets shall be provided on both sides of the No. 2-3 and 2-4 catch basin in sumps and on upstream side only where the ditch has a continuous down grade past the catch basin. Catch basins with side inlets shall not be used within the Clear Zone.

PAYMENT: All materials and labor, including excavation and backfill, shall be paid for under Item 604 - Catch Basin, No. 2-3 or Item 604 - Catch Basin No. 2-4.

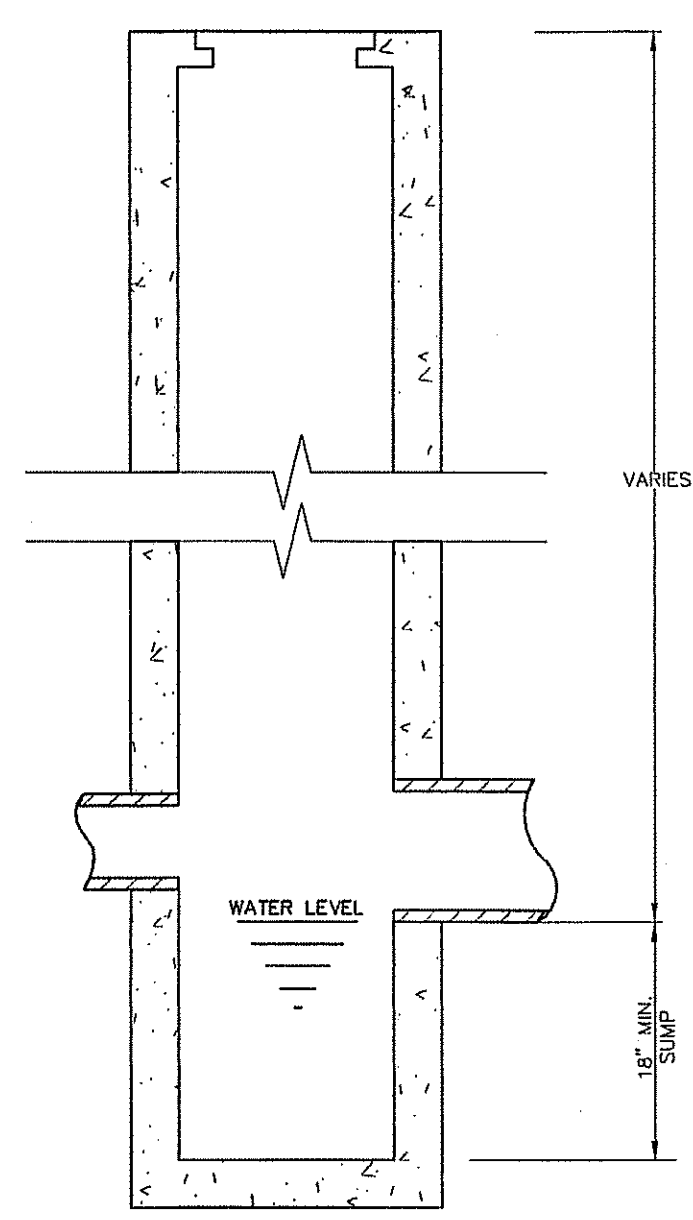


GENERAL SANITARY NOTES

1. ALL SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS OF THE SUMMIT COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES.
2. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED. ORDINANCE NO. 85-656, APPROVED 10/08/85.
3. APPROVAL BY D.O.E.S. CONSTITUTES NEITHER EXPRESSED NOR IMPLIED WARRANTIES ARE TO THE FITNESS, ACCURACY, OR SUFFICIENCY OF PLANS, DESIGNS, OR SPECIFICATIONS.
4. THE DESIGN ENGINEER CERTIFIES THAT ALL UTILITIES IN EXISTING AND PROPOSED ROADS AND EASEMENTS ARE SHOWN. HOWEVER, EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND FIELD LOCATIONS AND THUS CANNOT BE GUARANTEED. CONTRACTOR MUST PROCEED WITH CAUTION WHEN PERFORMING ANY ACTIVITIES WHICH MAY INVOLVE UNDERGROUND ACTIVITIES.
5. ALL SANITARY SEWERS SHALL PASS THE AIR ACCEPTANCE TEST PRIOR TO ACCEPTANCE BY D.O.E.S.
6. ALL SANITARY SEWERS SHALL BE VIDEO TAPED BY THE OWNER AND FOUND TO BE FREE OF DEFECTS AND FOREIGN MATTER AND IN PROPER ALIGNMENT PRIOR TO FORMAL ACCEPTANCE BY D.O.E.S.
7. ALL MANHOLES SHALL BE SUPPLIED WITH SOLID COVERS EXCEPT IN EASEMENTS WHERE MANHOLE COVERS SHALL BE THE SOLID-LOCKING TYPE.
8. ALL SANITARY LATERALS SHALL BE EXTENDED NO LESS THAN 15 FT. INTO THE PROPERTY.
9. ALL SANITARY LATERALS SHALL BE LAID AT NO LESS THAN 1% GRADE.
10. SANITARY SEWER MATERIALS SHALL CONFORM TO D.O.E.S. AND O.E.P.A. STANDARDS.
11. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO THE EXISTING SEWERAGE SYSTEM RESULTING FROM NON-COMFORMANCE WITH SUMMIT COUNTY STANDARDS OR GENERAL NEGLIGENCE.
12. A 12" MAXIMUM MANHOLE GRADE ADJUSTMENT IS PERMITTED. ADJUSTMENT IS TO BE MADE WITH PRECAST GRADE RINGS OR RED BRICK (TWO COURSES MAXIMUM). A MINIMUM OF ONE (1) GRADE RING IS REQUIRED AT EACH MANHOLE.
13. INTERNAL CHIMNEY SEALS SHALL BE INSTALLED IN ALL MANHOLES.
14. MANHOLE COVER INSERTS SHALL BE PROVIDED FOR ALL MANHOLES, REGARDLESS OF THE TYPE OF COVER REQUIRED.
15. WHERE INLET AND OUTLET PIPES CONNECT TO MANHOLES, A FLEXIBLE WATER-TIGHT JOINT, AS APPROVED BY D.O.E.S., IS REQUIRED.
16. SANITARY SEWER MATERIAL SHALL CONSIST OF PVC SDR-35 MEETING ASTM D3034 WITH JOINTS CONFORMING TO ASTM D3212. (CHECK STANDARDS FOR APPROVED MATERIAL AND ASTM SECTIONS)
17. THE OWNER (CONTRACTOR) MUST ALERT THE OHIO UTILITIES PROTECTION SERVICE AT 1-800-362-2764 AT LEAST 48 HOURS BEFORE ANY EXCAVATION HAS BEGUN.
18. ALL ROUGH GRADING (WITHIN 6" OF FINISHED GRADE) SHALL BE COMPLETED WITHIN THE RIGHT-OF-WAY & EASEMENT PRIOR TO SANITARY SEWER AND WATER LINE CONSTRUCTION.
19. NO SEWER CONSTRUCTION WILL BE PERMITTED UNTIL SUCH TIME THAT THE PLANS ARE APPROVED BY THE D.O.E.S. AND THE O.E.P.A. INCLUDING PAYMENT OF REVIEW AND PERMIT TO INSTALL FEES REQUIRED BY THE O.E.P.A.
20. FOR PRE-CAST MANHOLES, THE JOINT SPECIFICATION IS ASTM C-443.
21. ALL SANITARY SEWERS CONTAINED HEREIN ARE TO BE PUBLICLY OWNED AND MAINTAINED.

GENERAL SITE NOTES

1. COORDINATE ALL WORK IN RIGHT OF WAY WITH SUMMIT COUNTY ENGINEER, SPRINGFIELD TOWNSHIP, AND CITY OF MOGADORE.
2. ALL WORK, INCLUDING ALL CLEARING & GRUBBING & GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THE ODOT MATERIAL & SPECIFICATIONS.
3. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND APPROVALS PRIOR TO STARTING CONSTRUCTION INCLUDING GRADING INSIDE OF THE STREET RIGHT-OF-WAY.
4. MAINTAINING TRAFFIC
5. ALL MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS, LATEST REVISION ITEM 614 "MAINTAINING TRAFFIC".
6. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.



NOTE:
SEE ABOVE DRAWING FOR DETAILS CONCERNING CB 2-3 WITH SUMP.

TROIKE-TEELING-ROSTED ENGINEERS
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AKRON, OH 44313
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THE JUMBERT CONSTRUCTION CO.
LIONS PARK ALLOTMENT & CONDOMINIUMS
MARION AVE. SPRINGFIELD TOWNSHIP, OHIO

SUMMIT COUNTY
DETAILS AND NOTES

REVISION	DATE	DATE
3	11/19/04	7-20-01 7-15-02
DRAWN: MWR	CHECKED: BKR	DATE: 08-17-04
SCALE	HOR: N.T.S.	VER: N.T.S.

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STANDARD INDUSTRIAL CONSTRUCTION DRAWING
CATCH BASINS Nos 2-3 & 2-4
NUMBER
CB-1-2
1/1