

NW 1/4 OF SW 1/4 OF SEC. 34, T. 24 N., R. 05 E., W.M.

APPROVED FOR CONSTRUCTION

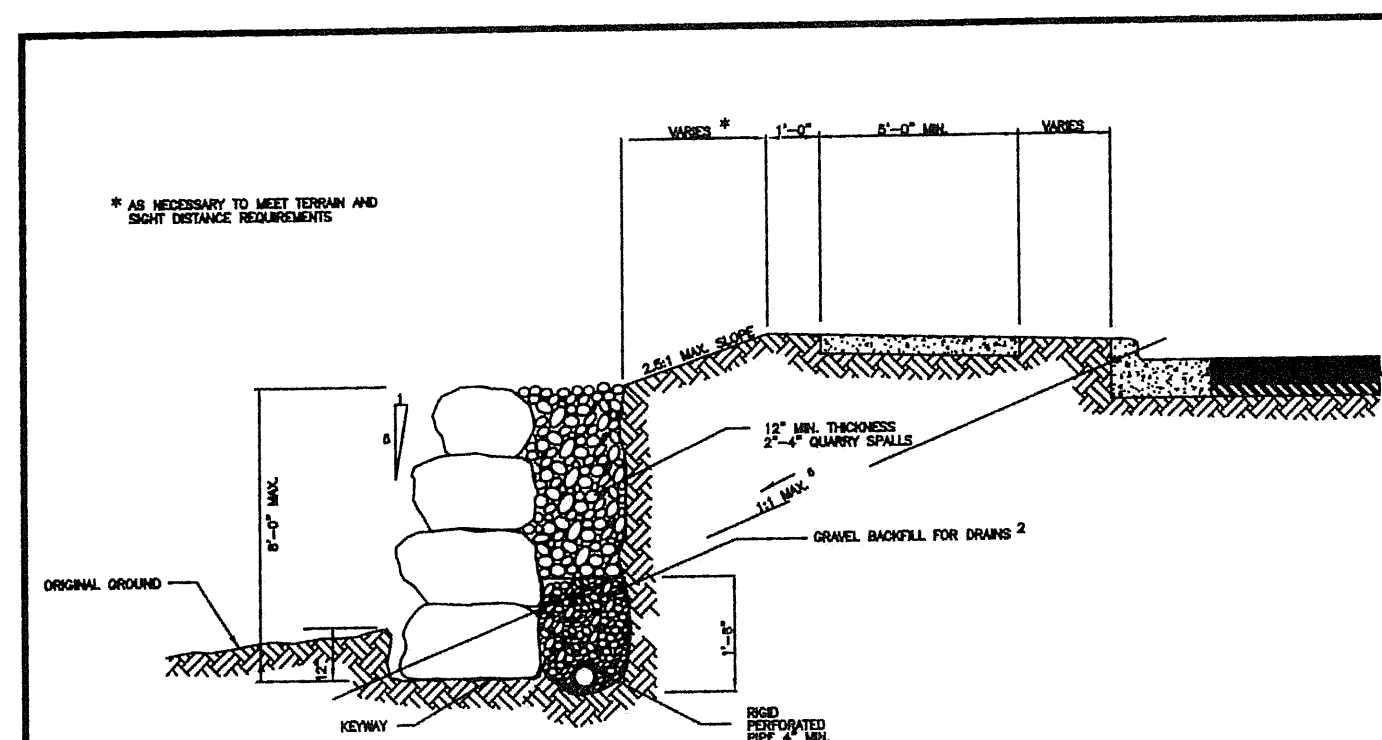
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
CITY OF NEWCASTLE

THESE DRAWINGS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 12 MONTHS FROM THE DATE SHOWN HEREON. THE CITY RESERVES THE RIGHT TO MAKE REVISIONS, ADDITIONS, DELETIONS, OR MODIFICATIONS SHOULD CONSTRUCTION BE DELAYED BEYOND THIS TIME LIMITATION. THE CITY, BY APPROVING THESE DRAWINGS, ASSUMES NO LIABILITY IN REGARDS TO THEIR ACCURACY OR OMISSIONS.



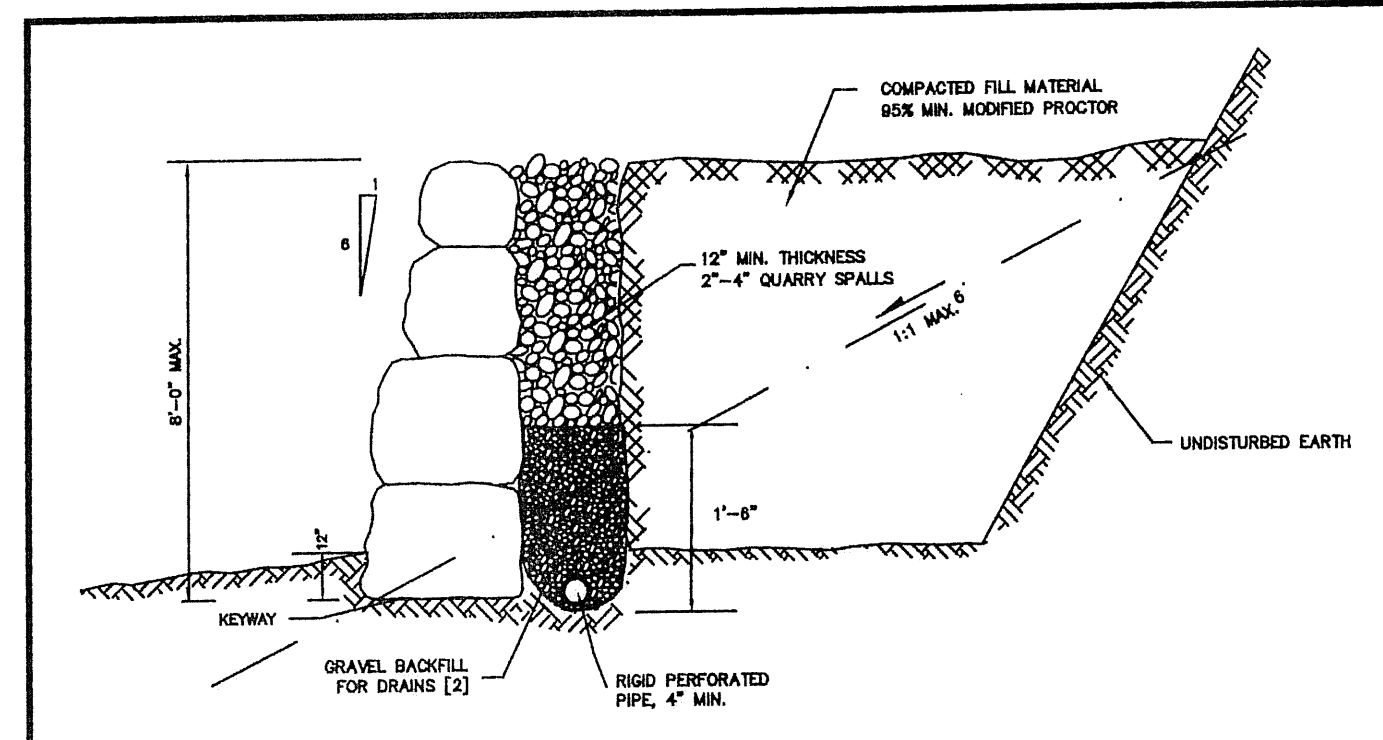
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Pacific Engineering Design, LLC  
Civil Engineering and Planning Consultants



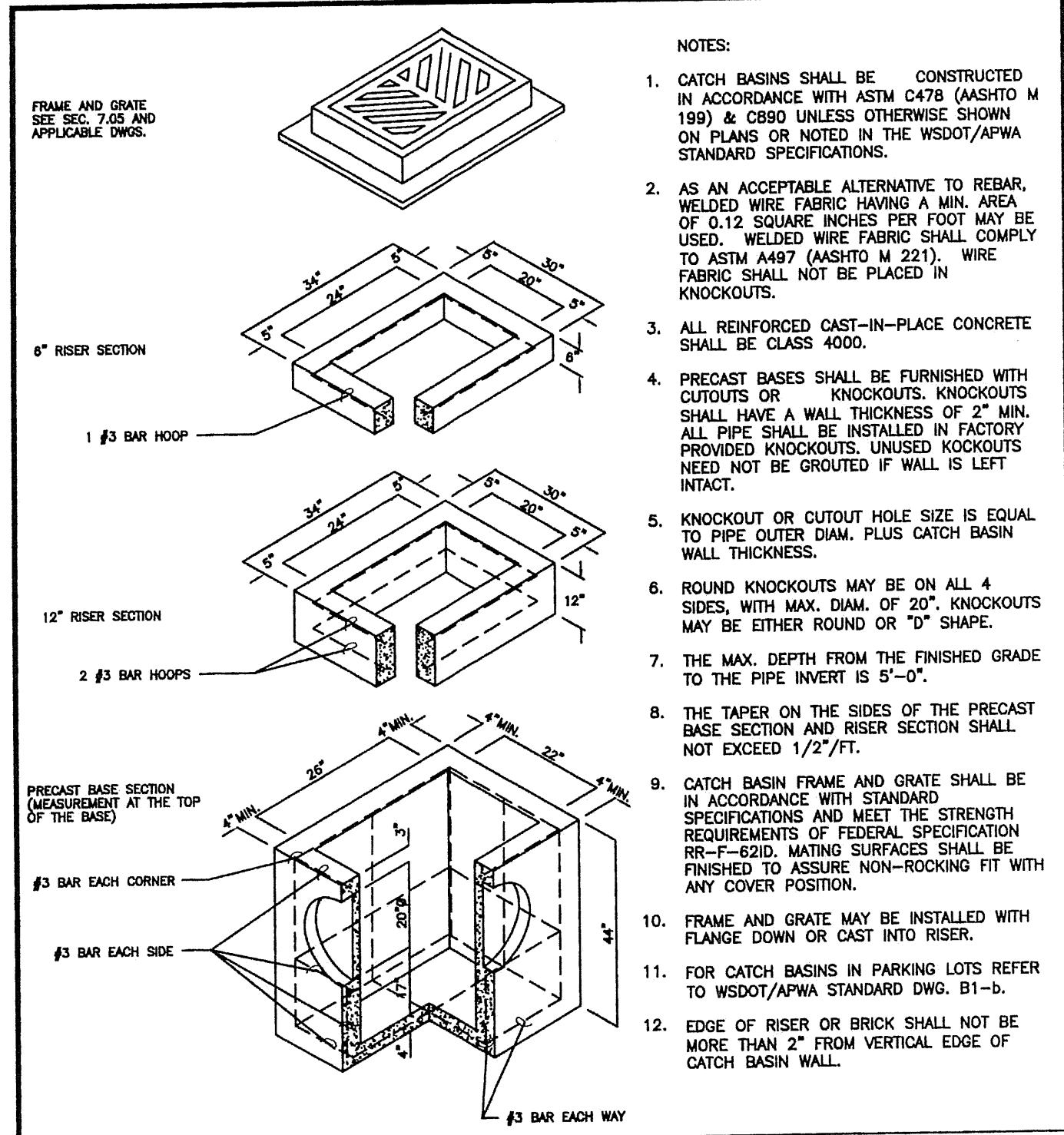
- NOTES:  
1. SEE SECTION 4.30.  
2. WSDOT / APWA 9-03.12[4]  
3. FENCE OR HANDRAIL MAY BE REQUIRED WHEN ROCKERY HEIGHT EXCEEDS 30 INCHES. INCHES AND IS LOCATED IN A PUBLIC AREA.  
4. THE WALL FOUNDATION IS TO BE CLEARED OF ORGANIC MATTER AND DEBRIS AND THE UNDERLYING MINERAL SOIL COMPACTED TO 95 PERCENT OF THE MAX. DRY DENSITY. THE EMBANKMENT MATERIAL IS TO BE GRAVEL BORROW MEETING THE REQUIREMENTS OF 9-03.14 OF THE WSDOT STANDARDS. THE BACKFILL IS TO BE PLACED IN THIN LIFTS, NOT EXCEEDING SIX INCHES IN THICKNESS AND COMPACTED TO 95 PERCENT OF THE MAX. DRY DENSITY.  
5. (NOT USED)  
6. ZONE OF INFLUENCE. FLATTER SLOPE MAY BE REQUIRED IN LESS STABLE SOILS. ALL DRIVEWAYS, PARKING AREAS, AND ROADS SHALL LIE BELOW THE ZONE OF INFLUENCE.  
7. (NOT USED)  
8. ROCK WALLS SHALL BE PLACED NO CLOSER THAN 5 FEET FROM THE EDGE OF ANY PEDESTRIAN WALKWAY, PUBLIC EASEMENT OR RIGHT OF WAY.  
9. MAXIMUM HEIGHT, AS MEASURED FROM THE KEYWAY, IS EIGHT (8) FEET. ALL WALLS FOUR FEET OR HIGHER SHALL REQUIRE A BUILDING PERMIT. ALL WALLS TO BE CONSTRUCTED IN A FILL SECTION OR THOSE WALLS SUPPORTING A SURCHARGE (DRIVEWAY, ROAD, BUILDING, OR PARKING AREA) SHALL REQUIRE DESIGN BY A LICENSED ENGINEER.  
10. THE TOP OF ALL ROCK WALLS SHALL BE CONFIGURED TO PREVENT SURFACE DRAINAGE OVER THE TOP OF THE WALL.

CITY OF NEWCASTLE  
ROCK WALL - CUT SECTION  
APPROVED: \_\_\_\_\_ DATE: 8/1/2000 DWG. NO. ST-26  
BY CITY

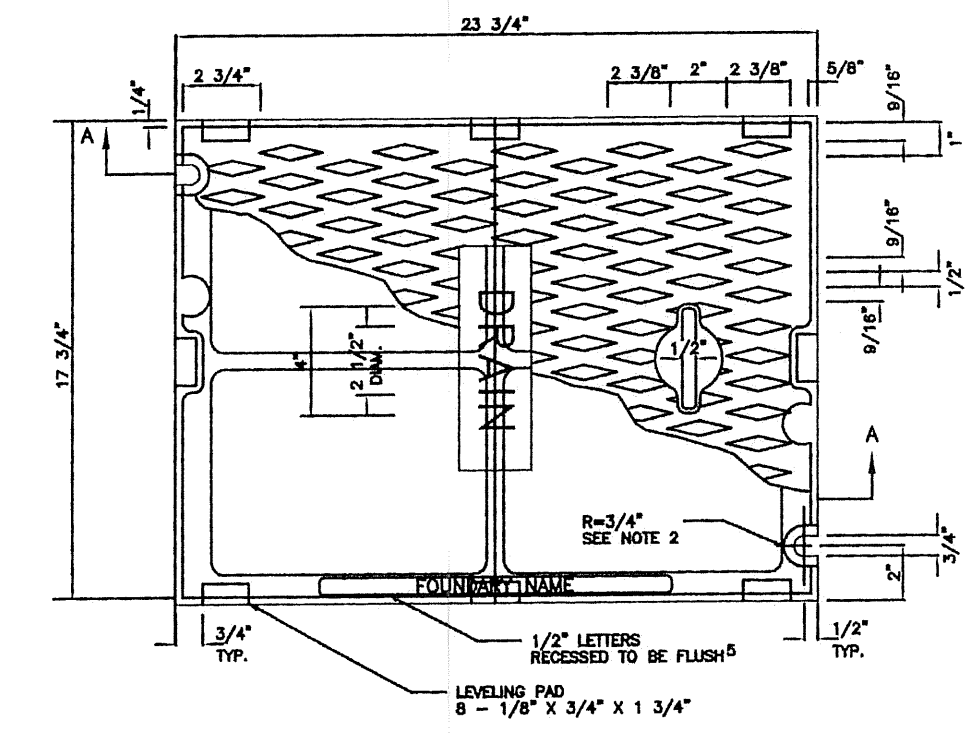


- NOTES:  
1. SEE SECTION 4.30.  
2. WSDOT / APWA 9-03.12[4]  
3. FENCE OR HANDRAIL MAY BE REQUIRED WHEN ROCKERY HEIGHT EXCEEDS 30 INCHES. INCHES AND IS LOCATED IN A PUBLIC AREA.  
4. THE WALL FOUNDATION IS TO BE CLEARED OF ORGANIC MATTER AND DEBRIS AND THE UNDERLYING MINERAL SOIL COMPACTED TO 95 PERCENT OF THE MAX. DRY DENSITY. THE EMBANKMENT MATERIAL IS TO BE GRAVEL BORROW MEETING THE REQUIREMENTS OF 9-03.14 OF THE WSDOT STANDARDS. THE BACKFILL IS TO BE PLACED IN THIN LIFTS, NOT EXCEEDING SIX INCHES IN THICKNESS AND COMPACTED TO 95 PERCENT OF THE MAX. DRY DENSITY.  
5. (NOT USED)  
6. ZONE OF INFLUENCE. FLATTER SLOPE MAY BE REQUIRED IN LESS STABLE SOILS. ALL DRIVEWAYS, PARKING AREAS, AND ROADS SHALL LIE BELOW THE ZONE OF INFLUENCE.  
7. EMBANKMENTS BEHIND ROCKERIES EXCEEDING 4' IN HEIGHT SHALL BE REINFORCED WITH GEOSYNTHETIC FABRIC OR GEOGRID.  
8. ROCK WALLS SHALL BE PLACED NO CLOSER THAN 5 FEET FROM THE EDGE OF ANY PEDESTRIAN WALKWAY, PUBLIC EASEMENT OR RIGHT OF WAY.  
9. MAXIMUM HEIGHT, AS MEASURED FROM THE KEYWAY, IS EIGHT (8) FEET. ALL WALLS FOUR FEET OR HIGHER SHALL REQUIRE A BUILDING PERMIT. ALL WALLS TO BE CONSTRUCTED IN A FILL SECTION OR THOSE WALLS SUPPORTING A SURCHARGE (DRIVEWAY, ROAD, BUILDING, OR PARKING AREA) SHALL REQUIRE DESIGN BY A LICENSED ENGINEER.  
10. THE TOP OF ALL ROCK WALLS SHALL BE CONFIGURED TO PREVENT SURFACE DRAINAGE OVER THE TOP OF THE WALL.  
11. OVERBURDEN SHALL EXTEND BEYOND THE CUT FACE AT LEAST THE HEIGHT OF THE WALL.

CITY OF NEWCASTLE  
ROCK WALL - FILL SECTION  
APPROVED: \_\_\_\_\_ DATE: 8/1/2000 DWG. NO. ST-27  
BY CITY

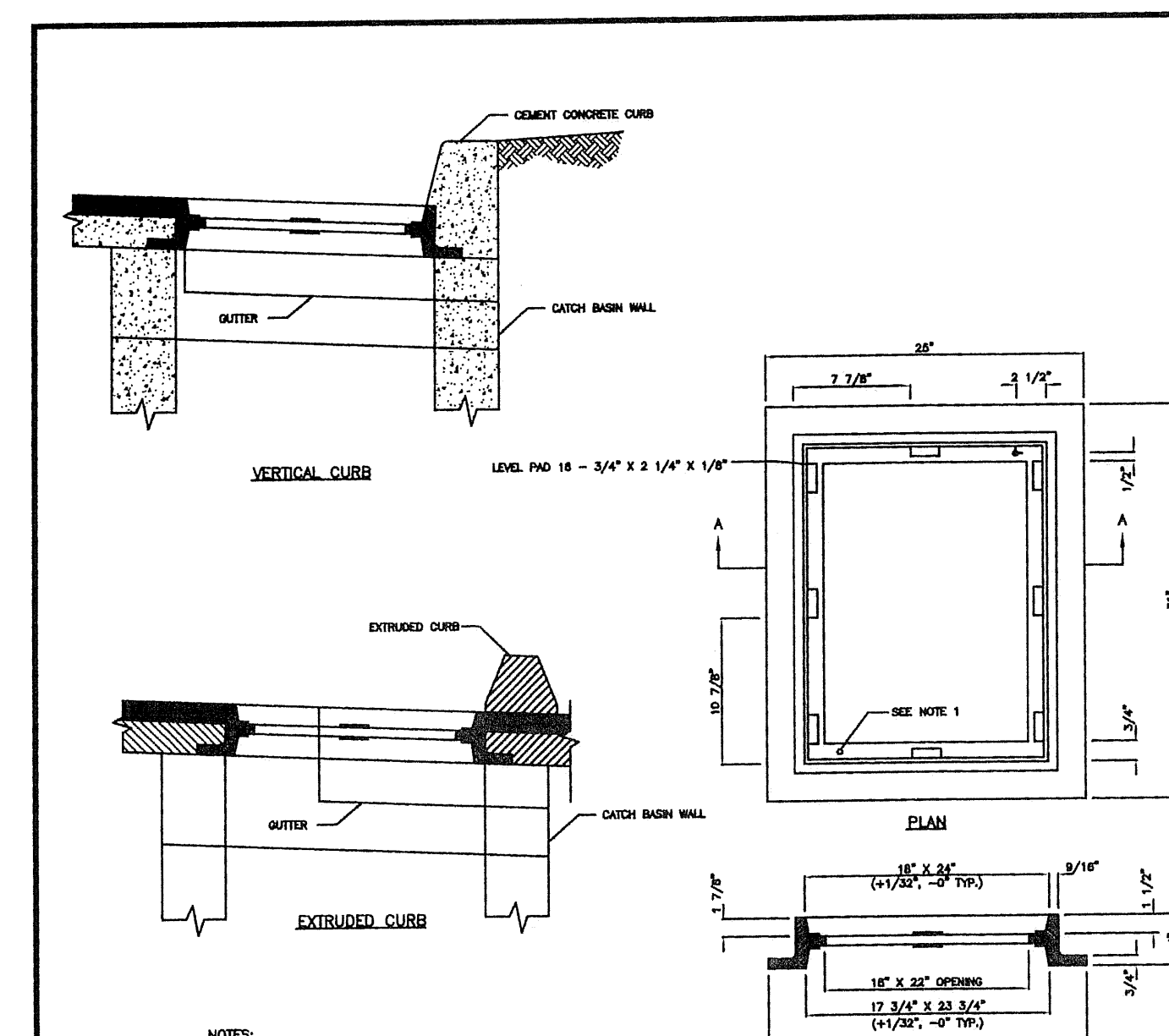


CITY OF NEWCASTLE  
CATCH BASIN - TYPE 1  
APPROVED: \_\_\_\_\_ DATE: 8/1/2000 DWG. NO. SW-1  
BY CITY



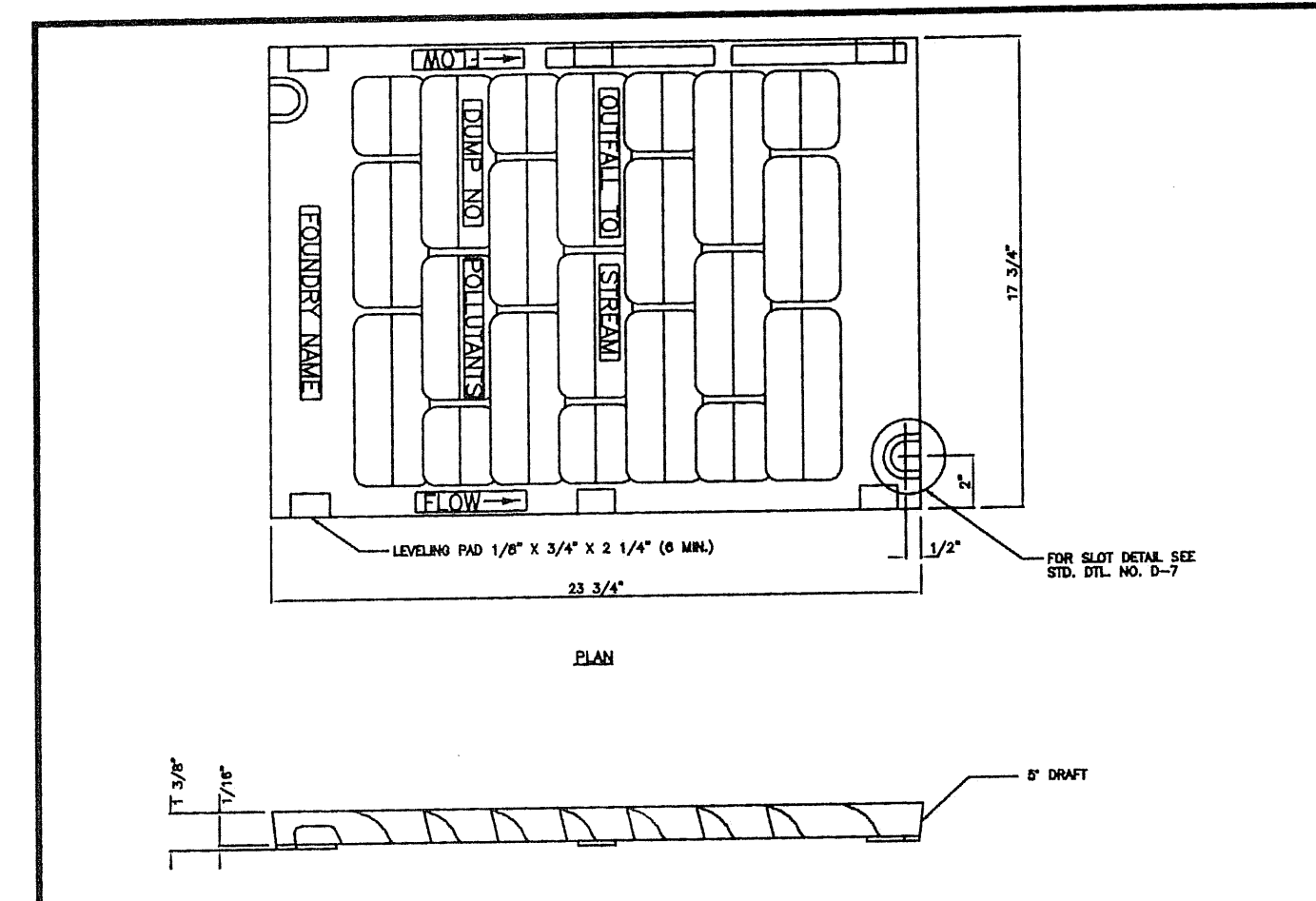
- NOTES:  
1. USE WITH FRAME DRILLED AND TAPPED FOR LOCKING BOLTS.  
2. USE WITH TWO LOCKING BOLTS 5/8"-11 NC STAINLESS STEEL TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) BOLTS, 2" LONG.  
3. COVER MATERIAL IS CAST IRON PER ASTM A48 CLASS 30.  
4. SHALL CONFORM TO SEC. 7.05 OF THE STANDARD SPECIFICATIONS.  
5. COVER SHALL HAVE THE WORD "DRAIN" IN 2-INCH RAISED LETTERS.

CITY OF NEWCASTLE  
SOLID STORM DRAIN COVER  
APPROVED: \_\_\_\_\_ DATE: 8/1/2000 DWG. NO. SW-4  
BY CITY



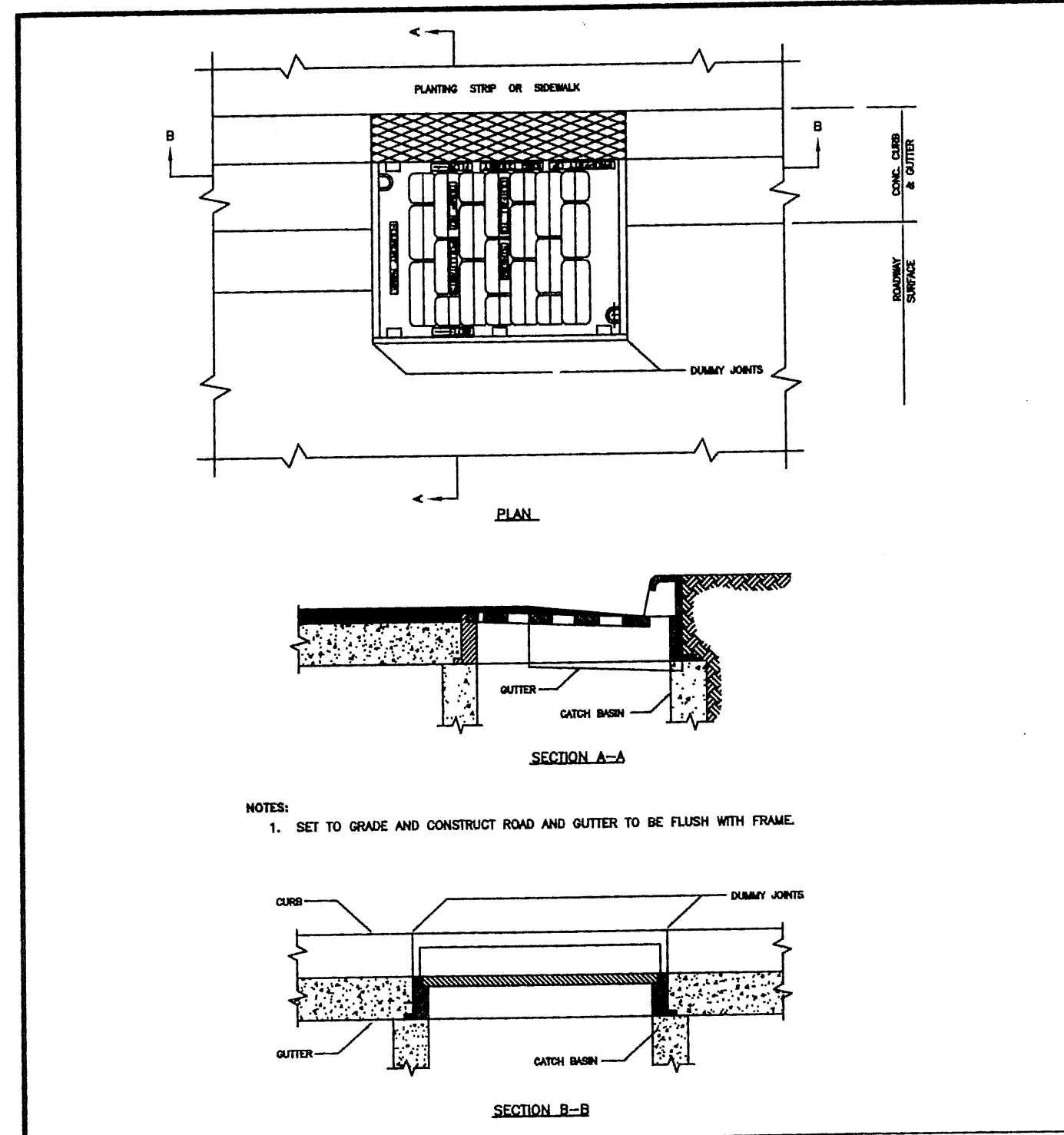
- NOTES:  
1. DRILL AND TAP FOR AND PROVIDE TWO LOCKING BOLTS 5/8"-11 NC STAINLESS TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) BOLTS, 2" LONG.  
2. FRAME MATERIAL IS CAST IRON PER ASTM A48 CLASS 30 OR BETTER.  
3. SET FRAME TO GRADE AND CONSTRUCT ROAD AND GUTTER TO BE FLUSH WITH FRAME.

CITY OF NEWCASTLE  
STANDARD FRAME INSTALLATION  
APPROVED: \_\_\_\_\_ DATE: 8/1/2000 DWG. NO. SW-6  
BY CITY

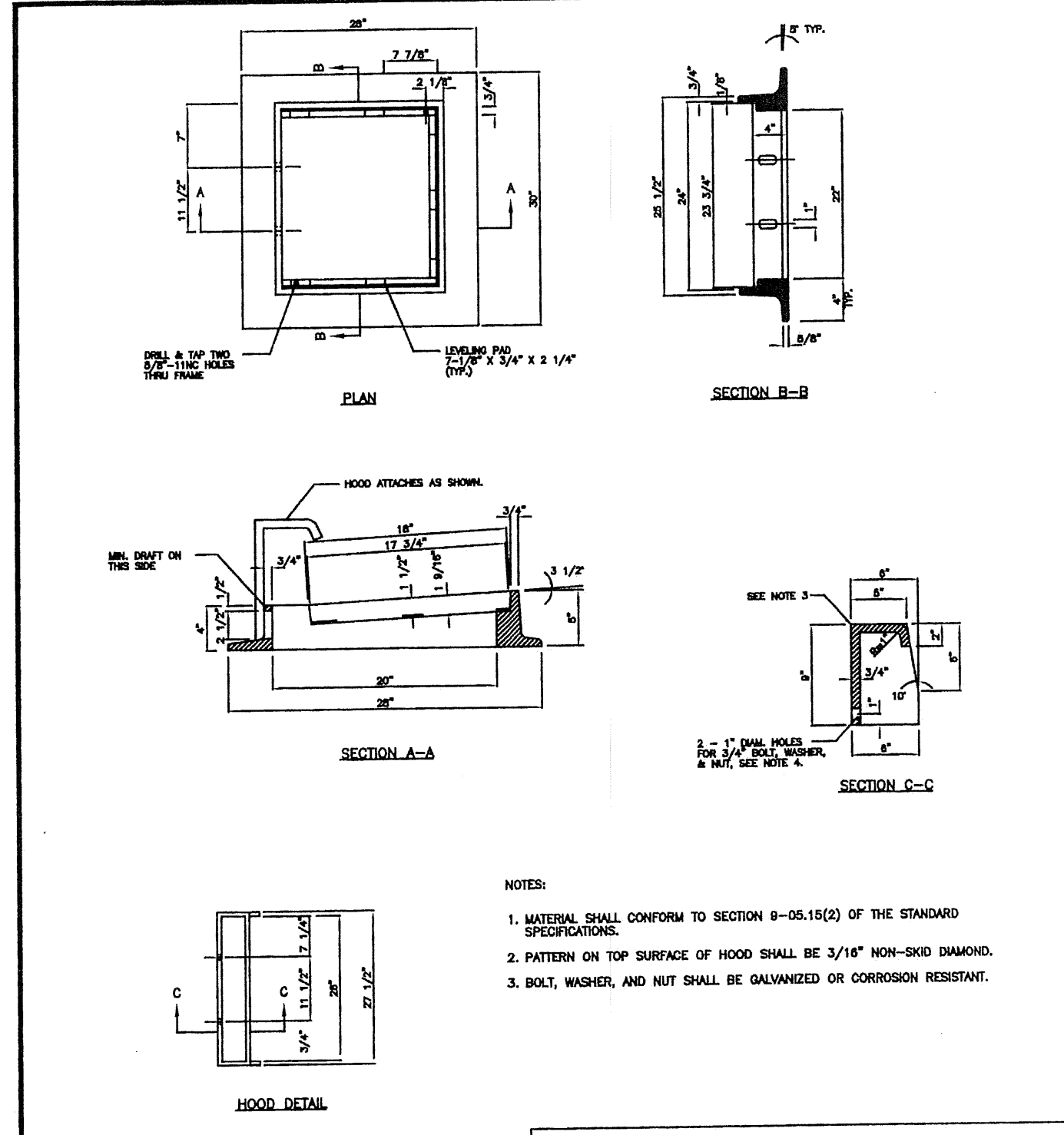


- NOTES:  
1. SELF-LOCK VANED GRATE MANUFACTURER SUBJECT TO APPROVAL BY ENGINEER.  
2. USE WITH TWO LOCKING BOLTS 5/8"-11 NC STAINLESS TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) BOLTS, 2" LONG. NOTE SLOT DETAIL.  
3. MATERIAL IS DUCTILE IRON ASTM A538 GRADE 80-55-06.  
4. "OUTFALL TO STREAM DUMP NO POLLUTANTS" IN RAISED LETTERS SHALL BE LOCATED ON GRATE AS SHOWN, OR ON BORDER AREA.  
5. SHALL CONFORM TO SEC. 7.05 OF THE STANDARD SPECIFICATIONS.  
6. WELDING IS NOT PERMITTED.  
7. EDGES SHALL HAVE 0.125" RADIUS, 0.125" CHAMBER OR COMPLETE DEBURRING.  
8. USE A BI-DIRECTIONAL VANED GRATE IN S40 VERTICAL CURVES.

CITY OF NEWCASTLE  
VANED GRATE  
APPROVED: \_\_\_\_\_ DATE: 8/1/2000 DWG. NO. SW-7  
BY CITY



CITY OF NEWCASTLE  
THROUGH CURB INLET FRAME & GRATE WITH VERTICAL CURB  
APPROVED: \_\_\_\_\_ DATE: 8/1/2000 DWG. NO. SW-8  
BY CITY



CITY OF NEWCASTLE  
THROUGH CURB INLET FRAME  
APPROVED: \_\_\_\_\_ DATE: 8/1/2000 DWG. NO. SW-9  
BY CITY

CITY OF NEWCASTLE

VARNEY SUBDIVISION  
FOR: GREACEN HOMES, LLC.  
1140 140TH AVE NE SITE D  
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PHONE: (425) 746-6440. FAX: (425) 766-2303

PROJECT NO.: 06015  
DRAWN BY: JGC  
ISSUE DATE: 02-01-08  
SHEET REV.: 08-22-08

DETAILS

CD\06015DT03-C10.DWG  
C10