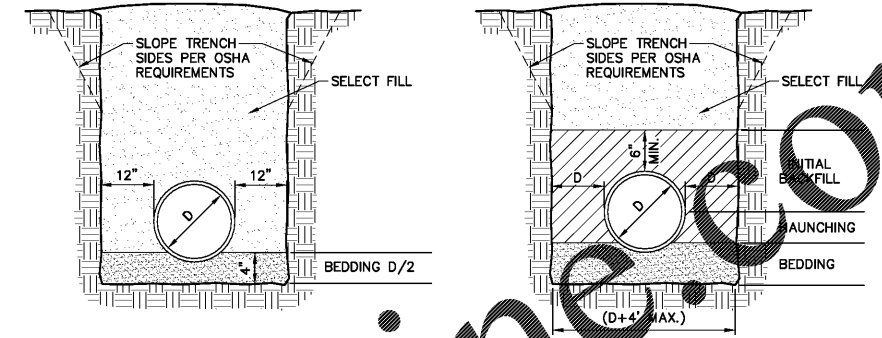
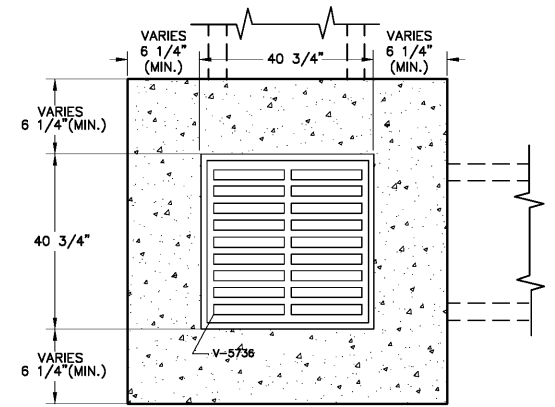


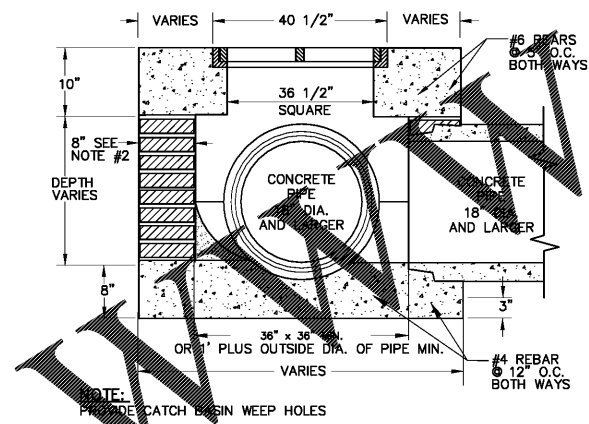
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Order Plans @

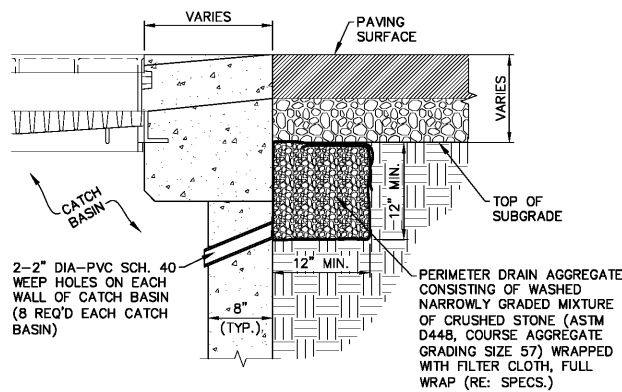


- NOTES:**
- REFER TO SECTION 02220 OF THE SPECIFICATIONS FOR REQUIREMENTS OF TRENCH EXCAVATION.
 - BEDDING SHALL BE CRUSHED STONE (L.S. 2006 EDITION, SECTION 160208) COMPACTED TO 95% STANDARD PROCTOR DENSITY AT ±3% OPTIMUM MOISTURE CONTENT (ASTM D698). SHALL BE SHAPED TO THE BOTTOM OF THE PIPE.
 - HAUNCHING AND INITIAL BACKFILL MATERIAL FOR FLEXIBLE PIPE SHALL BE CLASS I OR II GRANULAR (REF. ASTM D2321) SHALL HAVE A VOID RATIO EQUAL TO OR LESS THAN THAT OF THE BEDDING MATERIALS AND SHALL BE COMPACTED TO 98% STANDARD PROCTOR DENSITY AT ±3% OPTIMUM MOISTURE CONTENT (ASTM D698).
 - BEDDING, HAUNCHING, INITIAL BACKFILL AND SELECT FILL SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS.
 - SELECT FILL MATERIAL SHALL BE FREE OF ORGANIC OR OTHER DELETERIOUS MATERIALS, HAVE A MAXIMUM PARTICLE SIZE OF LESS THAN 2" AND HAVE A LIQUID LIMIT OF 38, A PLASTICITY INDEX BETWEEN 5 AND 18, AND LESS THAN 60% PASSING THE NO. 200 SIEVE.
 - SELECT FILL SHALL BE PLACED IN 8" MAX. LOOSE LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY AT ±3% OPTIMUM MOISTURE CONTENT (ASTM D698).

2 STORM DRAIN TRENCH AND BEDDING DETAIL
 N.T.S.



4 AREA INLET - TYPE A DETAIL
 N.T.S.



3 CATCH BASIN WEEP HOLE AND PERIMETER DRAIN DETAIL
 N.T.S.

- 1 DRAINAGE STRUCTURE NOTES**
- THE BOTTOMS OF CATCH BASINS SHALL CONTAIN BENCHES AND THEY SHALL BE CONSTRUCTED TO ALLOW SMOOTH FLOW THROUGH THE SYSTEM. GROUT SHALL EXTEND TO A HEIGHT OF 6" FOR 15" AND 18" DIA. PIPE AND A HEIGHT OF 1/3 DIA. OF PIPE FOR 24" DIA. PIPE AND LARGER AT OUTSIDE EDGES AND SHALL SLOPE TO THE INVERT OF THE CATCH BASIN.
 - WALLS MAY BE OF 4" X 8" X 16" SOLID SAND & GRAVEL BRICK OR 8" CONCRETE REINFORCED WITH 1/2" STEEL BARS VERTICAL ON 8" CTRS. & 1/2" STEEL BARS HORIZONTAL ON 12" CTRS. VERTICAL BARS SHALL EXTEND INTO THE TOP & BOTTOM OF THE CATCH BASIN TO WITHIN 2" OF THE OUTSIDE EDGE. VERTICAL BARS SHALL EXTEND INTO THE BOTTOM OF CATCH BASIN A MINIMUM OF 12" FOR ANCHORING (AT 90° ANGLE).
 - C.B.'S WITH MASONRY WALLS SHALL BE GROUTED 1/2" ON THE INSIDE AND OUTSIDE.
 - THE OUTSIDE CROWN OF PIPE ENTERING OR LEAVING A CATCH BASIN SHALL BE BELOW THE ELEVATION OF THE BOTTOM OF FRAME.
 - RINGS AND COVERS, FRAMES AND GRATES SHALL BE DELIVERED UNPAINTED AND AFTER INSTALLATION SHALL BE CLEANED OF SILT, DEBRIS OR OTHER FOREIGN MATTER AND COATED WITH ASPHALTIC VARNISH IN ACCORDANCE WITH SECTIONS 702.04 AND 1008.03 OF LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 2006 EDITION.
 - CATCH BASINS SHOWN SHALL HAVE AN INSIDE DIMENSION OF NO LESS THAN 4' SQUARE IF OVER 4'-0" DEEP.
 - CATCH BASINS ARE TO INCLUDE WEEP HOLES AND PERIMETER DRAINS PER "CATCH BASIN WEEP HOLE AND PERIMETER DRAIN DETAIL" (RE: THIS SHEET).
 - PRECAST CONCRETE CATCH BASINS CAN BE UTILIZED IN LIEU OF THE BRICK OR POURED IN PLACE WALLS. THE PRECAST CONCRETE CATCH BASINS SHALL MEET THE REQUIREMENTS OF SECTIONS 702 AND 1016 OF LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 2006 EDITION.

<input checked="" type="checkbox"/>	THIS DRAWING IS APPROVED FOR CONSTRUCTION.
<input type="checkbox"/>	THIS DRAWING IS NOT APPROVED FOR CONSTRUCTION.
DRAWN BY	P/AF
DATE	
REVISION	DATE
CHECKED	T.C.D
BOOK NO.	N/A
JOB NO.	
DWG. NO.	10893
SCALE	SHOWN 1/2"=1'

OWNER: KERGAN BROTHERS - SONIC DRIVE-IN RESTAURANT
 PROJECT: SONIC DRIVE-IN RESTAURANT #6679
 6808 SIEGEN LANE
 BATON ROUGE, LA 70809

SHEET NUMBER
14
 OF 14

DRAINAGE DETAILS

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



CALL LOUISIANA ONE CALL - JUST DIAL 811
 LOUISIANA STATE LAW, SECTION R.S. 40:1749.15, REQUIRES EXCAVATORS AND DEMOLISHERS TO NOTIFY A REGIONAL NOTIFICATION CENTER BY TELEPHONE 48 HOURS TO 120 HOURS IN ADVANCE OF ANY EXCAVATION OR DEMOLITION ACTIVITY. THE OWNERS/OPERATORS OF ANY UNDERGROUND FACILITY MUST THEN MARK THE AREA OR PROVIDE INFORMATION THAT WILL ENABLE AN EXCAVATOR OR DEMOLISHER TO DETERMINE THE LOCATION OF UNDERGROUND FACILITIES.

THESE DRAWINGS DO NOT INCLUDE COMPONENTS FOR CONSTRUCTION SAFETY.

SCALE NOTE
 SCALE BAR SHOWN IS ONE INCH LONG AT FULL SCALE WHEN SCALING DRAWINGS. MEASURE BAR TO DETERMINE IF SCALE SHOWN WILL REQUIRE ADJUSTING.

