



# Concrete Products Catalog:

❖ WATER TIGHT, UPC LISTED INDUSTRIAL  
AND SEPTIC TANKS



❖ RESIDENTIAL SEPTIC TANKS

❖ RISERS AND OTHER TANK ACCESSORIES

❖ CALIFORNIA DOT SPEC. TYPE K BARRIER RAIL

❖ REDI-ROCK MODULAR RETAINING WALLS

❖ 24" CATCH BASINS WITH TRAFFIC DUTY GRATES

Office (831) 630-1042  
FAX (831) 630-5763  
2735 Bolsa Road  
Hollister, California 95023

Chapin Pre-Cast  
2735 Bolsa Road  
Hollister, California 95023  
831-630-1042  
831-630-5763 Fax  
[www.donchapin.com](http://www.donchapin.com)

To our Customers:

It is my pleasure to present this Catalog of Chapin Pre-Cast Concrete Products which includes:

Pinnacle water tight and IAPMO listed, regular or H20 rated septic tanks, grease interceptors and sand oil clarifiers.

Residential septic tanks

Cal Trans Type K barrier rail

Redi- Rock modular retaining wall blocks

24" Catch Basins

Chapin Pre-Cast also manufactures a full line of tank accessories including risers and sample boxes, and we stock important items such as cast iron covers and effluent filters.

We also supply primary and secondary septic treatment systems to meet special construction specifications, new regulatory requirements and to take advantage of newly available technologies.

Our manufacturing and transportation departments are dedicated to meeting your construction schedule with timely tank production and on-time delivery to any job location. We understand the importance of "On-Time" as we understand "Time Is Money." Please let us prove what we can do for you.

Contact any one of the professionals listed below for a quotation, special order, or for delivery of any of our products.

Sincerely,

Walt Gibeau, Division Manager  
831-902-7111 cell  
[wgibeau@donchapin.com](mailto:wgibeau@donchapin.com)

Charles Ardinger, Sales and Scheduling  
831-970-4815 cell  
[cardinger@donchapin.com](mailto:cardinger@donchapin.com)

Alan Knoth, Outside Sales  
831-901-4313

# Chapin Pre-Cast

## Policies Regarding Bids and Quotations

Bid and quotations provided by Chapin Pre-Cast shall include, but shall not be limited to, the following terms, conditions and, or exclusions:

### **1. Prices:**

**Bids/Quotations:** All prices quoted may be subject to the approval of submittal drawings. Prices will be honored for thirty days from the bid or quotation date, or as may be otherwise arranged.

**Fittings:** Unless otherwise specified, prices assume 4" SDR-35 or ABS fittings.

**Tank Capacity:** Request for quotation should specify "gross" or "net" gallons.

**Sales tax:** Quotations do not include sales tax. Sales tax will be added to the bid price if requested or required.

**Manhole covers and cones:** Prices for manholes, hatches and cones, if applicable, are included in the bid price or quotation only as specified.

**Risers:** Prices for risers are **not included** in the bid price or quotation, but are available at an additional cost charged by the foot of height.

**Warranty:** Chapin Pre-Cast standard warranty pertains to material and workmanship, or material and workmanship provided by other manufacturer products contained within our product as may be applicable. Specific information is available upon request.

### **2. Exclusions, Set-off Items, On Site Requirements:**

**Site:** Excavation needs to be accessible to our truck. Chapin Pre-Cast is not responsible for damage beyond the curb. Please refer to the Wavier of Liability.

**Excavation and, or, Shoring:** By others

**Plumbing, hook-ups, and electrical** (as may be required): By others.

**Set-off Items:** Manhole frame and covers, cones, and risers (and certain electrical items) are set-off items to be installed by others.

**Crane:** If the site conditions require the use of a crane, it shall be provided by others.

**Inspection, including water testing, and permits:** By others.

Chapin Pre-Cast

**3. Payments, Terms and Conditions - Credit Approval or Applications, etc.:**

**Payment:**

**ALL SALES ARE COD – UNLESS OTHERWISE ARRANGED • ALL SALES ARE FINAL – PAYMENT IN FULL MUST BE RECEIVED PRIOR TO SETTING OF ITEMS – NO RETENTIONS APPLY  
COMPLETE PRE-LIEN INFORMATION MUST BE SUPPLIED BEFORE ORDER IS PROCESSED.**

- THE PRICES QUOTED ARE FOR NORMAL DELIVERY CONDITIONS, SEE DELIVERY TERMS BELOW.
- PRICE IS SUBJECT TO CHANGE BASED ON QUANTITY OF TANKS ORDERED OR DELIVERY CONDITIONS; PRICE IS BASED ON STANDARD TANK DESIGNS PER OUR SPECIFICATIONS UNLESS OTHERWISE NOTED.
- PAYMENT WILL NOT BE DELAYED FOR THE COMPLETION OF WORK BY OTHER CONTRACTORS, PERMITTING, INSPECTION OR TOTAL JOB COMPLETION. INTEREST WILL BE CHARGED FROM THE DELIVERY DATE IF PAYMENT IS NOT RECEIVED AS SPECIFIED.
- SOME PROJECTS REQUIRING THE PURCHASE OF SPECIAL EQUIPMENT, CONTROL PANELS, PUMPS , SPECIAL HATCHES, ETC., MAY REQUIRE A DEPOSIT PAYMENT AND, PROJECT PROGRESS PAYMENTS.
- DELIVERY AND SETTING INTO AN EXISTING EXCAVATION IS INCLUDED, PROVIDING THE EXCAVATION IS ACCESSIBLE TO OUR TRUCK AND OF THE CORRECT SIZE.
- SALES TAX IS NOT APPLICABLE ON ANY "INSTALLED" ITEM.
- OUR STANDARD TANKS ARE WARRANTED TO BE WATERTIGHT TO THE FLOW LINE. THERE IS AN ADDITIONAL CHARGE FOR A TANK TO BE MANUFACTURED WATERTIGHT ABOVE THAT SEAM.
- EXTERNAL PLUMBING IS 4" ABS. INTERNAL PLUMBING IS 4" SDR-35. OTHER SIZE & TYPE OF PLUMBING CAN BE SUBSTITUTED FOR AN ADDITIONAL CHARGE.
- RISER MATERIAL REQUIRED MAY BE PURCHASED SEPERATLY AND IS NOT INCLUDED IN THE "TANK" QUOTE. BOLT DOWN GAS TIGHT TRAFFIC RATED COVERS ARE AVAILABLE AT ADDITIONAL COST.
- ANY SITE SPECIFIC OR APPLICATION SPECIFIC SITUATIONS THAT REQUIRE ADDITIONAL ENGINEERING WILL BE AT BUYER'S EXPENSE.
- RECOMMENDED BACKFILLING PROCEEDUDRES MUST BE FOLLOWED OR TANK WARRANTY IS VOID.
- BATTERY TANKS MUST BE BACKFILLED PRIOR TO INTRODUCING WATER INTO THE TANK.

**IF ACCESS TO THE EXCAVATION SITE IS UNAVAILABLE FOR OUR TRUCK, ALTERNATIVE MEANS OF SETTING THE PRODUCT WILL BE THE BUYERS' RESPONSIBILITY AND THE TANK WILL BE OFFLOADED AT THE SITE. THE WARRANTY ON THE TANK WILL BE VOID IF IT IS NOT SET WITH APPROVED EQUIPMENT AND PROCEEDURES. CONDITIONS CAUSING THIS SITUATION MAY INCLUDE THE FOLLOWING:**

- JOB SITE LOCATION IS NOT MARKED.
- HOLE NOT READY FOR TANK PLACEMENT.
- OVERHEAD WIRES WITHIN 10FT OF THE NECESSARY CRANE BOOM HEIGHT.
- TOO SMALL OR UNLEVEL PAD FOR THE SETUP OF CRANE WITH EXTENDED OUTRIGGERS.

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## Chapin Pre-Cast

### ***(TERMS CONT.)***

- STEEP SLOPE IN SETUP AREA.
- REACH FOR THE BOOM BEYOND 15 FEET FROM END OF TRUCK BOOM.
- SPOIL PILES IN THE WAY OF TRUCK.
- TIGHT CLEARANCE BETWEEN BUILDINGS, ROOF OVERHANGS, EXPOSED PIPES AND TREES.

***ON SITE DELIVERY IS LIMITED TO ONE HOUR FOR SETTING EACH TANK SECTION.***

***ANY ADDITIONAL TIME REQUIRED WILL BE CHARGED AT \$4.50 PER MINUTE.***

PLEASE REVIEW YOUR SITE TO HELP US MAKE A QUICK AND EFFICIENT PLACEMENT OF YOUR TANK ASSEMBLY.

**RISERS DELIVERED AT THE TIME OF TANK DELIVERY HAVE NO DELIVERY FEE. RISERS THAT REQUIRE AN ADDITIONAL TRIP WILL HAVE A MINIMUM \$200 DELIVERY CHARGE. RISERS, CAST IRON FRAMES & COVERS, LOOSE SAMPLE BOXES, AND CONES ARE SET OFF ITEMS DELIVERED TO THE JOB SITE ONLY. IF REQUESTED, THE RISERS CAN BE OFFLOADED ONTO THE TANK LOOSE, HOWEVER NOT BE "PLACED" AT TIME OF TANK SET.**

PLEASE REFER TO OUR PRODUCT CATALOG AND MANUAL FOR PRODUCTS, WARRANTY INFORMATION AND PROCEDURES FOR ALL CHAPIN PRECAST PRODUCTS.

NOTE: IF ANY CLAIM FOR DAMAGE OR LIABILITY IS BROUGHT AGAINST CHAPIN PRECAST, BUYER AGREES TO LIMIT AMOUNT OF RECOVERY TO THE TOTAL VALUE OF PRODUCTS PURCHASED FOR THIS PROJECT.

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Hollister, CA 95023

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# Chapin Pre-Cast

## Tank Warranty

### Industrial and residential concrete tanks

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SELLER DISCLAIMS ALL LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES.

**Warranty.** Chapin Pre-Cast warrants the System to be free from defects in material and workmanship for a period of one (1) year from the date of installation, provided, however, that the System has been properly operated and maintained by the Buyer during the warranty period. Buyer's exclusive remedy hereunder is limited to replacement or repair, at Chapin Pre-Cast's option, of any defective parts supplied by Chapin Pre-Cast. If the System is designed by anyone other than Chapin Pre-Cast, Chapin Pre-Cast does not warrant that the System meets the requirements of any laws, statutes, ordinances or regulations of the Federal Government or any State, Municipal, or other Governmental entity.

**Water Test.** Our tanks are guaranteed to be water tight to flow line, however, should the tank leak, our company will make necessary repairs without charge providing the tank was not damaged during backfill. If a water test is required, allow 24 hours after completion of installation, then backfill as suggested in "Backfilling and Installation.." prior to filling the tank with water. All labor and water for tests will be furnished by others.

**Damage by Third Party.** Chapin Pre-Cast shall not be responsible for damage to its work by other parties. Any repair work necessitated by damage caused by a third party will be considered as an order for extra work, and Buyer shall compensate Chapin Pre-Cast at its normal hourly rate for any such work performed.

## Notes pertaining to tanks manufactured by Chapin Pre-Cast.

1. Material Specifications:
  - a. The tanks shall be pre-cast of concrete which has a minimum compressive strength of 4,000 psi at 28 days using a Type II Portland Cement.
  - b. Reinforcing yield strength is:  
60-ksi for #4 rebar  
40-ksi for #3 rebar.
2. Structural specifications:
  - a. Standard-duty tank assemblies shall be capable of supporting an earth load of 3ft.
  - b. H-20 assemblies will have a lid engineered for an H-20 loading with a maximum 3' of cover.
3. Loadings, traffic slabs, manholes and risers.
  - a. An engineer should be consulted for installations where the site conditions exceed the structural specifications of the tank such as:
    - (1) A standard tank in a heavy traffic location with no traffic slab, or
    - (2) An earth load greater than 3 feet for a standard tank.
  - b. Chapin Pre-Cast recommends that a traffic slab and traffic manholes be used together - see drawing #8022 in Accessory Section of this catalogue.
4. The minimum protective coating requirements for the concrete tanks are as follows:
  - a. The coating shall meet the criteria specified in ASTM C-309.
  - b. The coating shall cover all internal surfaces.
5. Internal piping and fittings shall be made of 4 inch ABS or SDR35 plastic, unless otherwise required by local or job specific specs.
6. The pre-cast concrete unit shall be placed on level undisturbed soil or on an approved compacted fill.
7. For tanks other than the Pinnacle style, which has no seam, Sika Flex sealant shall be applied by Chapin Pre-Cast to the joint between the cap and the tank. This joint shall be a minimum of 2 inches above the static water level. The tanks shall be warranted water tight to the flow line.
8. Two 2x6 redwood grade boards Chapin Pre-cast should be placed below the tank along the long dimension, when two or more tanks are placed in series( tank battery set up).

# Chapin Pre-Cast

## **Water Testing of Chapin Pre-Cast Concrete Tanks**

All Chapin Pre-cast tanks are warranted to be water tight to the flow line. Pinnacle style tanks can be constructed to be water tight above the flow line when required by regulations.

### **Pre-delivery testing**

Testing prior to loading the tank at our yard will be performed when requested with order. A \$75.00 pre test fee will apply. Testing is included in the price of Pinnacle tanks.

### **On site testing**

Please notify us before tank delivery, of the date when a water test is to take place, so that we can have a representative on site during the test.

Follow Chapin Pre-Cast "Backfilling Instructions", place enough back fill to hold the tank in place, but leave as much of the tank wall exposed as is possible.

Inspect all exterior joints, fittings and connections for damage which may have occurred during placement and back filling.

Fill the tank to the flow line and let it sit. Observe the water level in the tank before and after the 24 hour period.

If the level has fallen significantly inspect the tank for leaks. Chapin Pre-Cast will repair the tank leaks without charge.

All on site water and labor the test to be furnished by others.



# Chapin Pre-Cast

## Backfilling Instructions for Chapin Pre-cast battery tanks.

The excavation must be dry, level and well compacted soil with a minimum 6" bed of sand. Pea gravel may be substituted for sand and is recommended by Chapin as bedding material.

The tanks sections will be place onto 2x6 redwood (or approved alternate) runners. The runners will be supplied by Chapin Pre-Cast but the contractor must supply the labor to set them into the excavation.

After setting tank or battery of tanks you should complete all of the following steps within four days.

Within 24 hours after installation backfill inlet and outlet ends of the battery unit. Leave sidewall of the battery unit exposed for observation if water testing is to be done. The order in which the backfilling is performed is important. For best results backfill the ends first and bring up the sides equally. Our recommendation for backfill material is either sand or pea gravel. This allows for better compaction and less potential for future backfill settlement.

After the tank is backfilled, **and before any water testing**, it is necessary to examine all exterior joints and inspect all fittings and connections for any damage which might have been caused during backfill. Repair any such damage before any testing of the tank.

# Chapin Pre-Cast

## **Venting of Chapin Pre-Cast** **Grease Interceptors, Clarifiers and Septic tanks**

There is no additional venting required for any Chapin Pre-Cast Grease Interceptors, Clarifiers or Septic tanks. Our tanks are designed to automatically vent through the inlet plumbing. Our tanks are “self venting.” Any additional venting required by local authorities must be by others.

# Chapin Pre-Cast

## INDUSTRIAL INTERCEPTOR MAINTENANCE

Initial monitoring is the only method to determine a reasonable period for which a Chapin Pre-Cast Industrial Interceptor needs to be pumped out. After the tank is in use it should be pumped every month to get enough information to set a regular schedule. A general recommendation is to have the tank sized with the expectation of it being serviced every three months or as frequently as your local regulatory agency specifies.

To make more specific recommendations is impossible because of the many factors that can only be answered with monitoring. Two important general factors to be considered with all Chapin Pre-Cast Industrial Interceptors are hours of operation and type, and quantity, of liquids or solids that the interceptor is designed to contain. As an example, for Grease Interceptors, a restaurant that specializes in green salads that is open only for a few hours for lunch might rarely need to have a tank pumped. A restaurant that has a predominantly deep fried menu that is open 24 hours might need pumped every month.

Other factors are the solubility of the effluent in water, the temperature of the incoming effluent, and volatility of the effluent. Other mitigating factors can be compounds that affect these conditions (detergents, both natural and artificially introduced) and environmental temperatures (extreme cold or heat).

Chapin Pre-Cast has no method of either controlling or foreseeing any of these conditions. Experience related to each individual situation is, again, the only method that can determine how often a particular tank needs to be serviced.

We suggest that you contact "Tom's" Septic Construction (831-663-2321) for additional information about the frequency and cost of a interceptor maintenance program.

# Don Chapin Company Pre-Cast Division

IAPMO – UPC LISTED

GREASE INTERCEPTORS

H2O RATED ASSEMBLIES

# IAPMO RESEARCH AND TESTING, INC.

5001 East Philadelphia Street, Ontario, California 91761-2816 • (909) 472-4100 Fax (909) 472-4244 • www.iapmo.org



## LISTED PRODUCTS

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

Effective Date: March 2009

Void After: March 2010

Product: Grease Interceptors

File No. 5911

Issued To: Don Chapin Company, Inc.  
560 Crazy Horse Canyon Road  
Salinas, CA 93906

### IDENTIFICATION:

Grease interceptors shall be permanently and legibly marked with the manufacturer's name and/or trademark, model number, capacity, month and year of manufacture, load limits and maximum recommended depth of earth cover in feet, and inlet and outlet. Unit shall also bear the UPC® certification mark. Marking shall appear on a plate that has been permanently attached, molded, cast, or wet set onto the interceptor, located either on the left hand side of the inlet or on top of the interceptor near the inlet. Permanent markings shall be adequately protected from corrosion so as to remain permanent and readable over the life of the interceptor.

  
Chairman, Product Certification Committee

  
Executive Director

This listing is for the period indicated herein and is void after the date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Reproduction of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alternation of this certificate could be grounds for revocation of the listing.

DOC#081A



# IAPMO RESEARCH AND TESTING, INC.

## LISTED PRODUCTS

Page 2

Effective Date: March 2009 Void After: March 2010

Product: Grease Interceptors File No. 5911

Issued To: Don Chapin Company, Inc.

CHARACTERISTICS: Grease interceptors with two (2) compartments designed to remove grease from effluent and to retain grease until accumulations can be removed by pumping the interceptor.

Grease interceptors shall have a minimum size of 20 inches of manhole over the inlet and outlet compartments. It is recommended that a sample box be located at the outlet end of all grease interceptors so that the administrative authorities can periodically sample effluent quality. May be manufactured in concrete, steel, fiberglass reinforced polyester or polyethylene material.

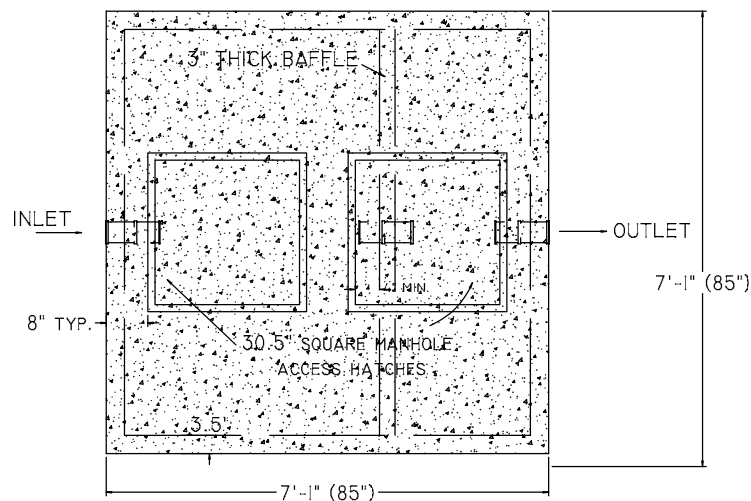
To be installed in accordance with the manufacturer's instructions and the requirements of the latest edition of the Uniform Plumbing Code.

Products comply with the applicable sections of the latest edition of the Uniform Plumbing Code®. Manufactured in compliance with IAPMO/ANSI Z1001-2007.

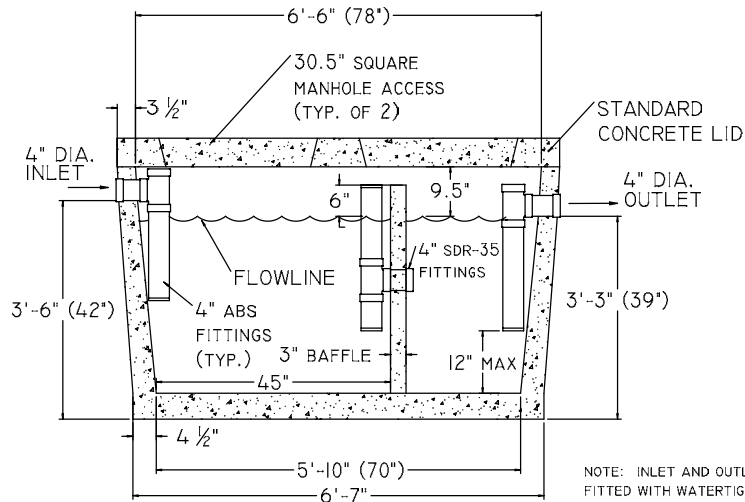
Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

MODELS:

PI750, PI1000, PI1250, PI1500, PI2000, PI2500, PS3000

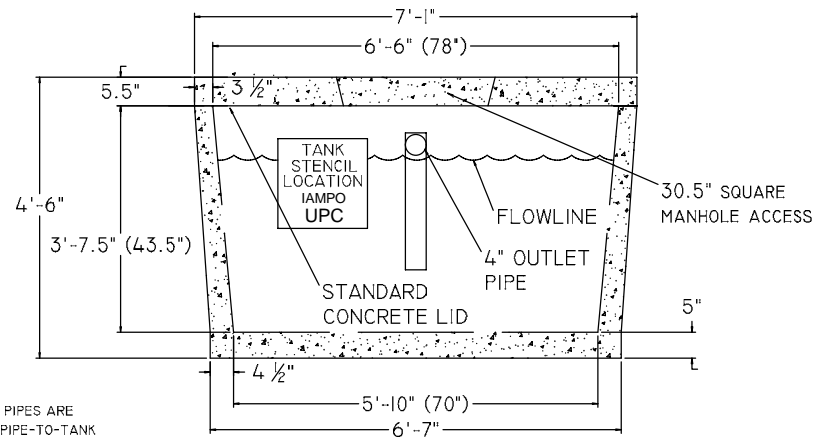


TOP VIEW



SIDE VIEW CUTAWAY

NOTE: INLET AND OUTLET PIPES ARE FITTED WITH WATERTIGHT PIPE-TO-TANK CONNECTIONS (STANDARD)



END VIEW

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

LENGTH 8' - 0"

WIDTH 8' - 0"

DEPTH BELOW INLET 3' - 6"

### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

### 3). CERTIFIED ENGINEERING IS AVAILABLE UPON REQUEST.

### 4). INTEGRAL TOP TO BODY DESIGN

DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
(831) 630-5763

PRE-CAST CONCRETE WATER TIGHT  
TRAFFIC RATED GREASE INTERCEPTOR  
CAPACITY 750 GALLONS  
MODEL IPI750



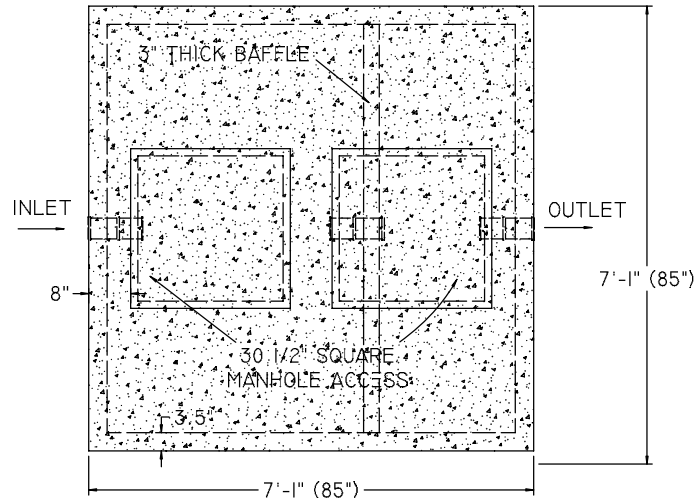
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## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

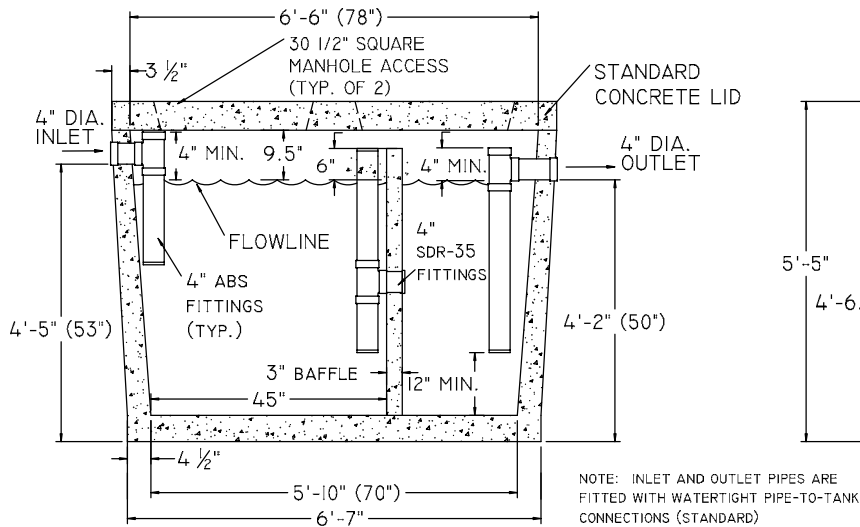
LENGTH 8' - 0"  
WIDTH 8' - 0"  
DEPTH BELOW INLET 4'-5"

- 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.
- 3). CERTIFIED ENGINEERING IS AVAILABLE UPON REQUEST
- 4). INTEGRAL TOP TO BODY DESIGN



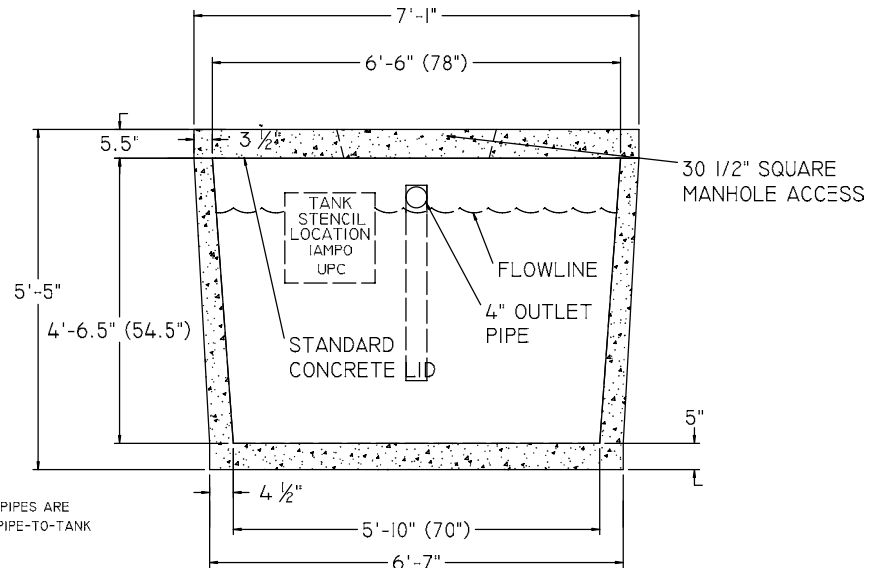
**TOP VIEW**

SCALE: NTS



**SIDE VIEW CUTAWAY**

SCALE: NTS



**END VIEW**

SCALE: NTS

NOTE: INLET AND OUTLET PIPES ARE FITTED WITH WATERTIGHT PIPE-TO-TANK CONNECTIONS (STANDARD)

DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
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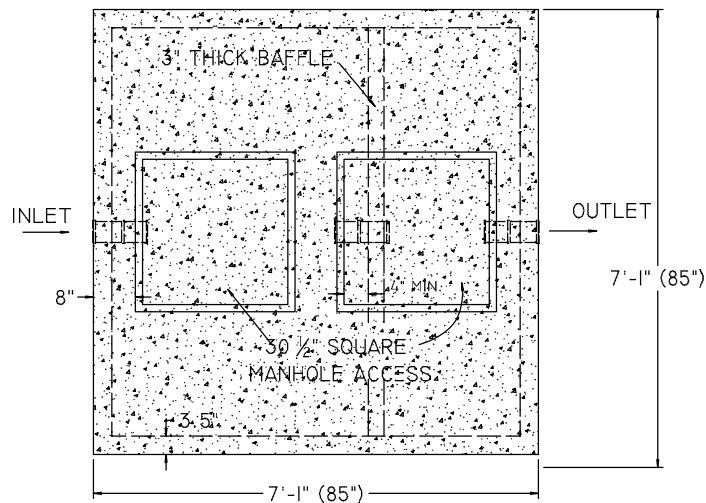
**PRE-CAST CONCRETE WATER TIGHT  
TRAFFIC RATED GREASE INTERCEPTOR  
CAPACITY 1000 GALLONS**

**MODEL IPI1000**



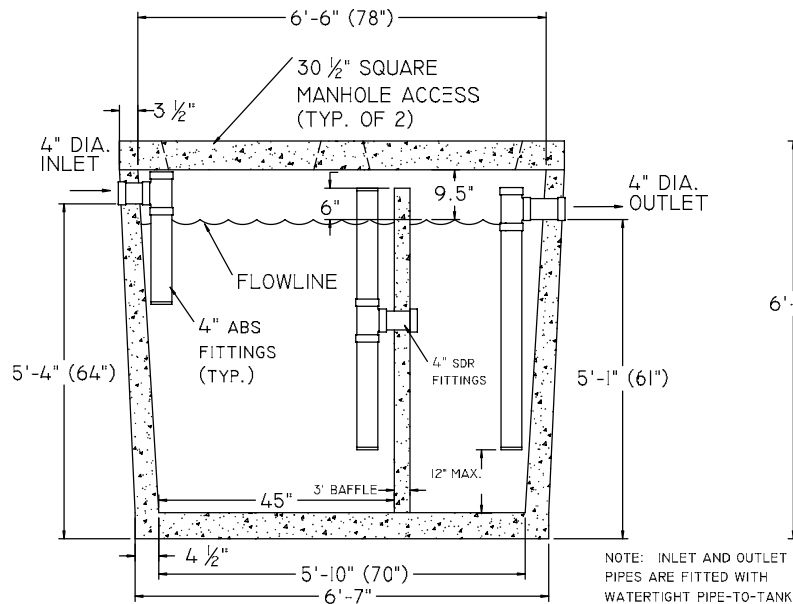
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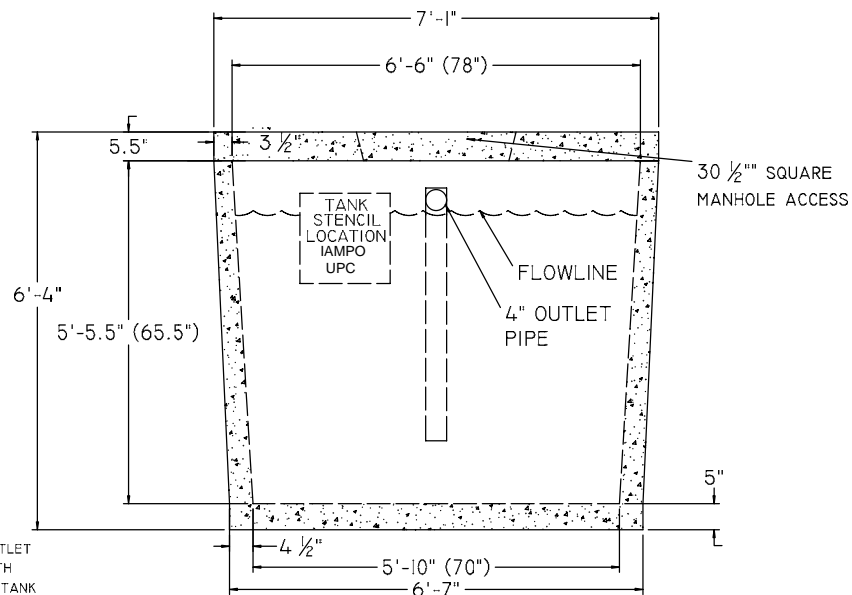
**TOP VIEW**

SCALE: NTS



**SIDE VIEW CUTAWAY**

SCALE: NTS



**END VIEW**

SCALE: NTS

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

LENGTH 8' - 0"

WIDTH 8' - 0"

DEPTH BELOW INLET 5'-4"

### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

### 3). CERTIFIED ENGINEERING IS AVAILABLE UPON REQUEST

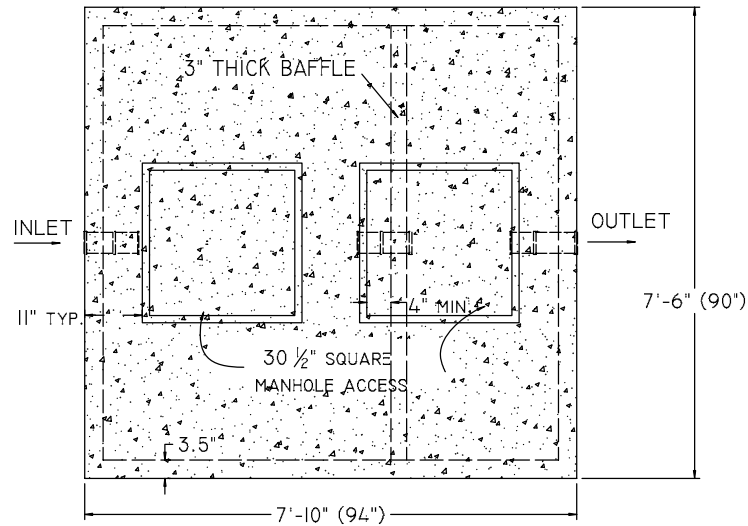
### 4). INTEGRAL TOP TO BODY DESIGN

DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
(831) 630-5763

**PRE-CAST CONCRETE WATER TIGHT  
TRAFFIC RATED GREASE INTERCEPTOR  
CAPACITY 1250 GALLONS  
MODEL IPI1250**

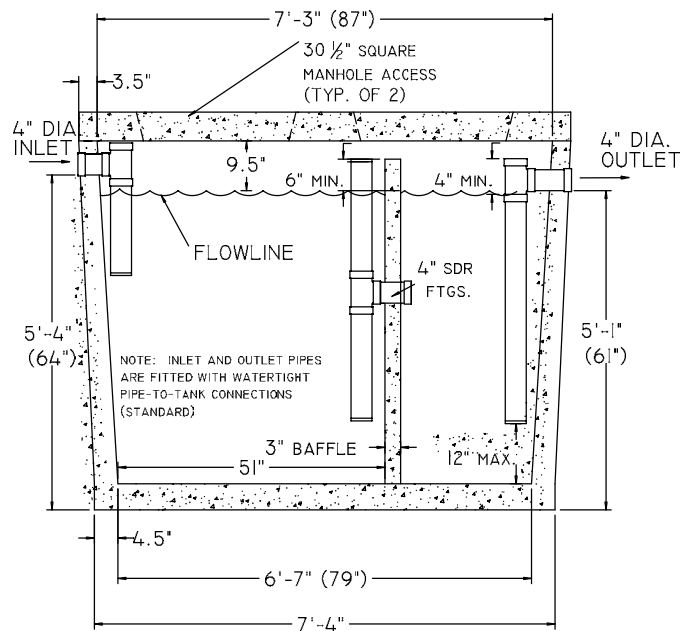


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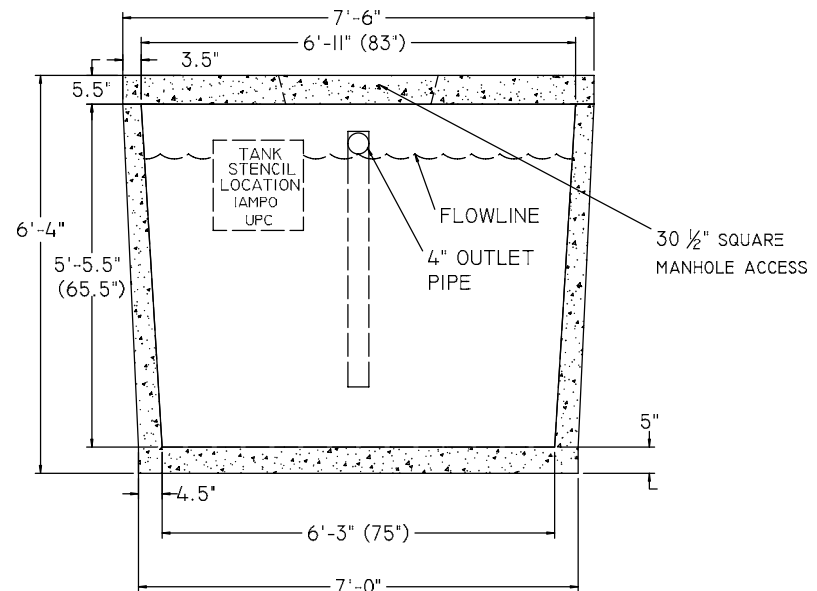
**TOP VIEW**

SCALE: NTS



**SIDE VIEW CUTAWAY**

SCALE: NTS



**END VIEW**

SCALE: NTS

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

LENGTH 9' - 0"

WIDTH 9' - 0"

DEPTH BELOW INLET 5' - 4"

### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

### 3). CERTIFIED ENGINEERING IS AVAILABLE UPON REQUEST.

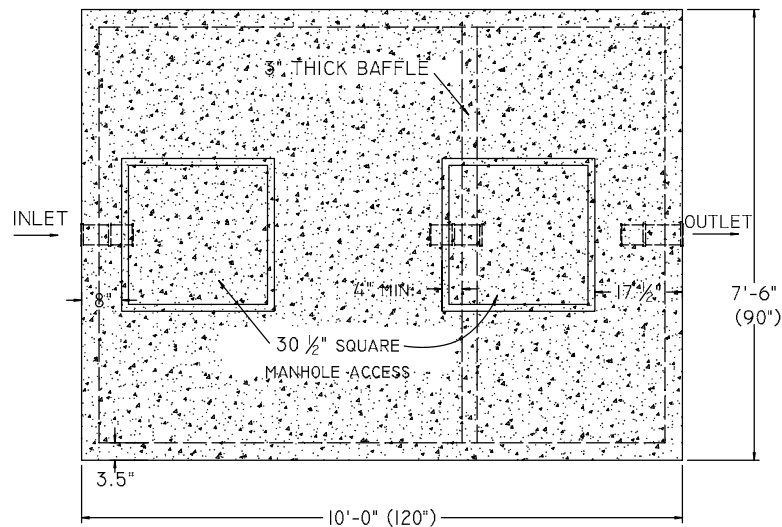
### 4). INTEGRAL TOP TO BODY DESIGN

DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
(831) 630-5763

**PRE-CAST CONCRETE WATER TIGHT  
TRAFFIC RATED GREASE INTERCEPTOR  
CAPACITY 1500 GALLONS  
MODEL IPI1500**

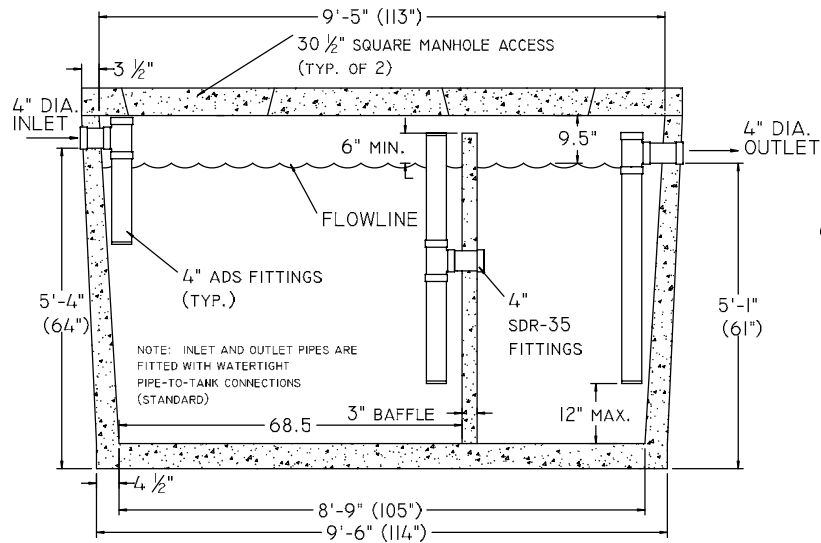


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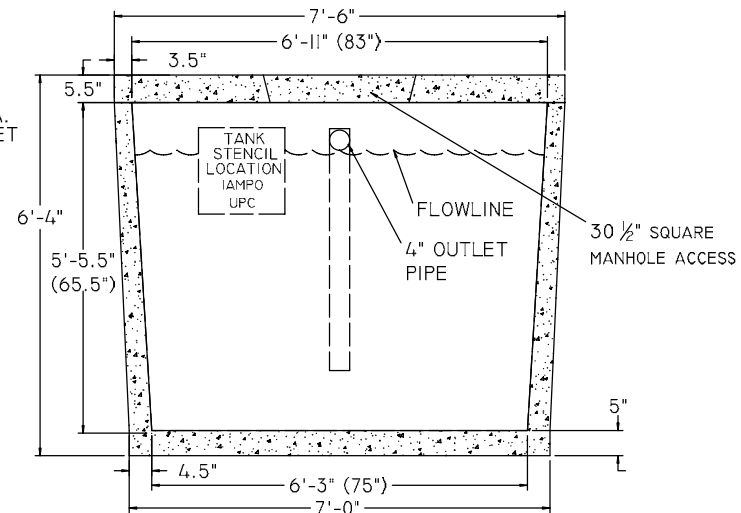
**TOP VIEW**

SCALE: NTS



**SIDE VIEW CUTAWAY**

SCALE: NTS



**END VIEW**

SCALE: NTS

## NOTES:

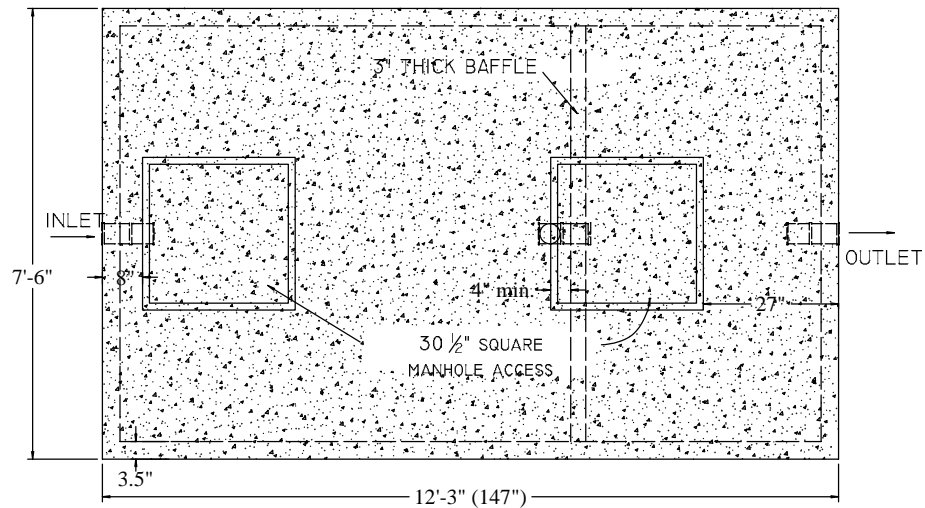
### 1). EXCAVATION SPECIFICATIONS:

LENGTH 11' - 0"  
WIDTH 9' - 0"  
DEPTH BELOW INLET 5'-4"

### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

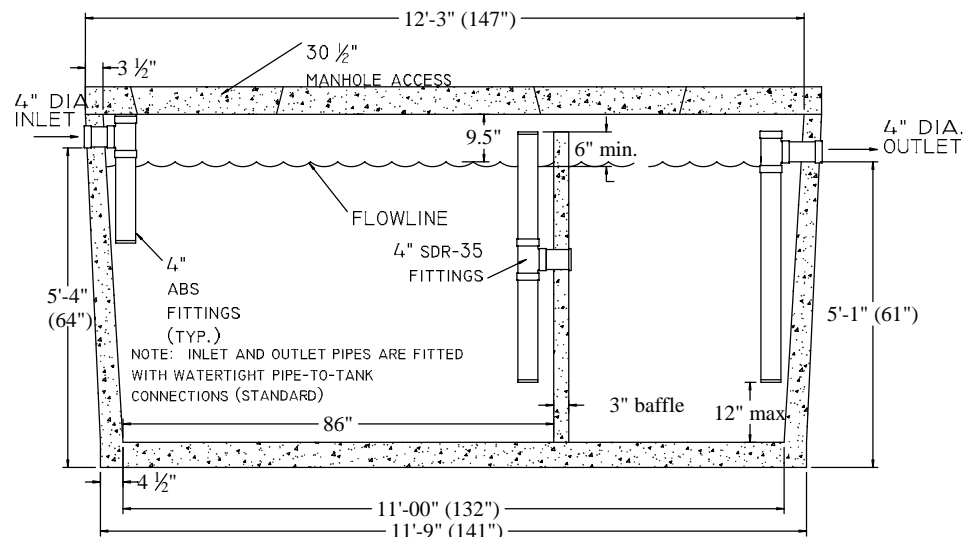
### 3). CERTIFIED ENGINEERING IS AVAILABLE UPON REQUEST.

### 4). INTEGRAL TOP TO BODY DESIGN



**TOP VIEW**

SCALE: NTS



**SIDE VIEW CUTAWAY**

SCALE: NTS

## NOTES:

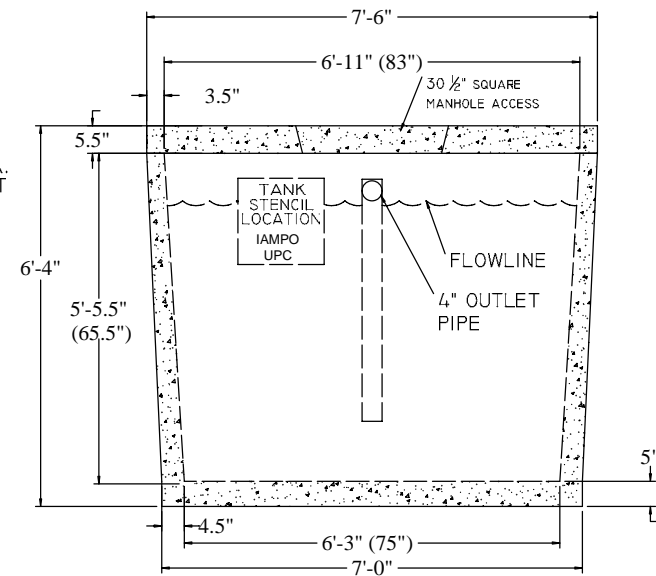
### 1). EXCAVATION SPECIFICATIONS:

LENGTH 14' - 0"  
WIDTH 9' - 0"  
DEPTH BELOW INLET 5'-4"

### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

### 3). CERTIFIED ENGINEERING IS AVAILABLE UNPON REQUEST.

### 4). INTEGRAL TOP TO BODY DESIGN



**END VIEW**

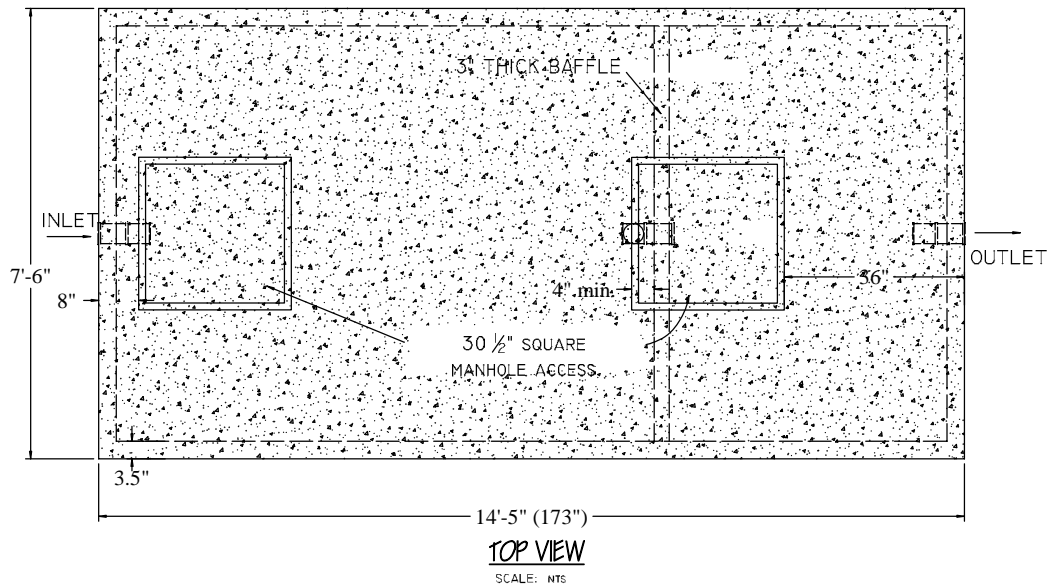
SCALE: NTS

DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
(831) 630-5763

**PRE-CAST CONCRETE WATER TIGHT  
TRAFFIC RATED GREASE INTERCEPTOR  
CAPACITY 2500 GALLONS  
MODEL IPI2500**



1/23/09 -



## NOTES:

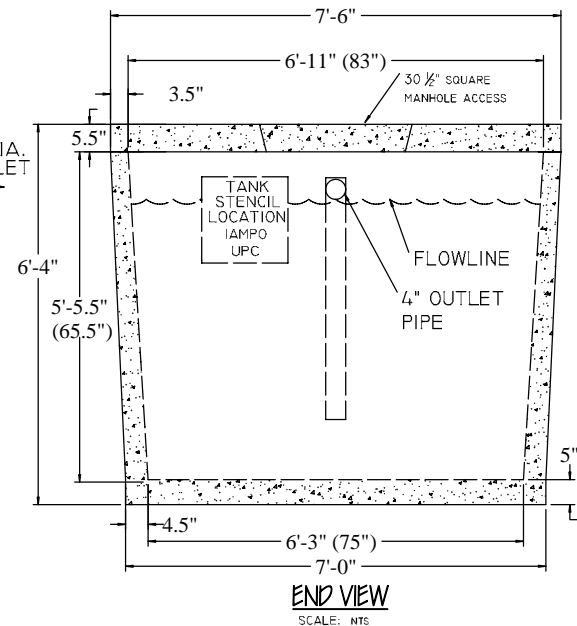
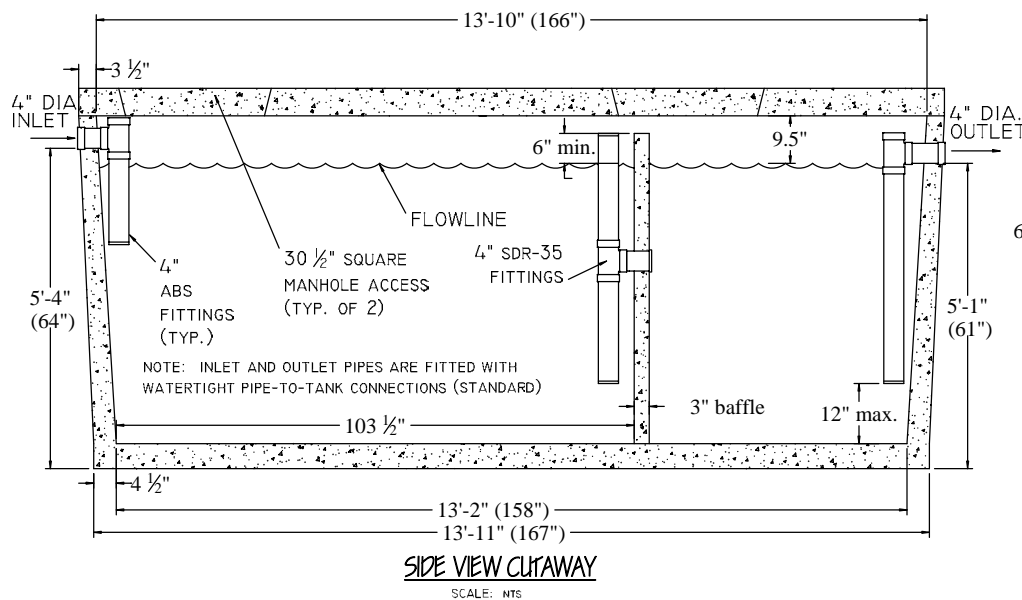
### 1). EXCAVATION SPECIFICATIONS:

LENGTH 15' - 0"  
 WIDTH 9' - 0"  
 DEPTH BELOW INLET 5'-4"

2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

3). CERTIFIED ENGINEERING IS AVAILABLE UNPON REQUEST.

4). INTEGRAL TOP TO BODY DESIGN



DON CHAPIN PRE-CAST  
 2735 BOLSA RD.  
 HOLLISTER, CA 95023  
 (831) 630-1042  
 (831) 630-5763

PRE-CAST CONCRETE WATER TIGHT  
 TRAFFIC RATED GREASE INTERCEPTOR  
 CAPACITY 3000 GALLONS  
 MODEL IPI3000



1/23/09

# Don Chapin Company Pre-Cast Division

IAPMO – UPC LISTED

CLARIFIERS

H2O RATED ASSEMBLIES

# IAPMO RESEARCH AND TESTING, INC.

5001 East Philadelphia Street, Ontario, California 91761-2816 • (909) 472-4100 Fax (909) 472-4244 • www.iapmo.org



## LISTED PRODUCTS

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

Effective Date: March 2009 Void After: March 2010

Product: Clarifiers File No. 5910

Issued To: Don Chapin Company, Inc.  
560 Crazy Horse Canyon Road  
Salinas, CA 93906

IDENTIFICATION: Clarifiers shall be permanently and legibly marked with the manufacturer's name and/or trademark, model number and liquid retention capacity. Unit shall also bear the UPC® certification mark.

CHARACTERISTICS: Clarifiers with three (3) compartments may be specific in task or function and are designed to separate liquids and/or solids having different specific gravity than water.

Clarifiers shall have a minimum size of 20 inches of manhole over the inlet and outlet compartments. It is recommended that a sample box be located at the outlet end of all grease interceptors so that the administrative authorities can periodically sample effluent quality. May be manufactured in concrete, steel, fiberglass reinforced polyester or polyethylene material. To be installed in accordance with the manufacturer's instructions and the requirements of the latest edition of the Uniform Plumbing Code.

  
Chairman, Product Certification Committee

  
Executive Director

This listing is for the period indicated herein and is void after the date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Reproduction of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alternation of this certificate could be grounds for revocation of the listing.

DOC#081A





# IAPMO RESEARCH AND TESTING, INC.

## LISTED PRODUCTS

Page 2

Effective Date: March 2009

Void After: March 2010

Product: Clarifiers

File No. 5910

Issued To: Don Chapin Company, Inc.

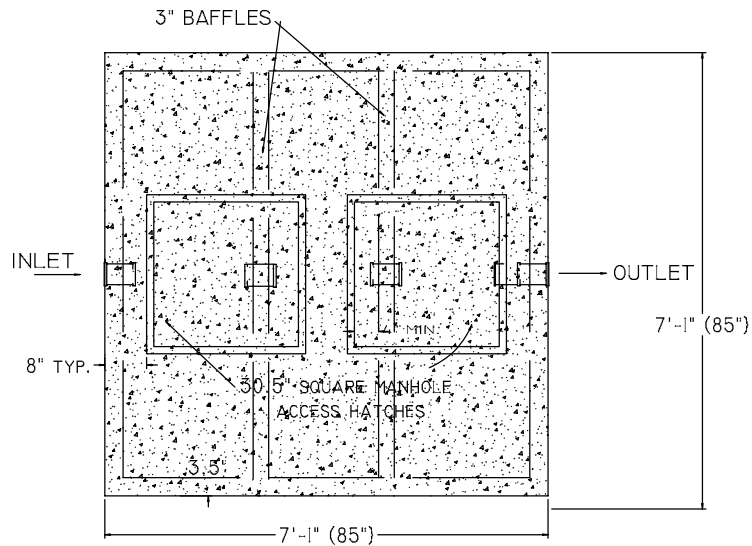
Products comply with the applicable sections of the latest edition of the Uniform Plumbing Code®. Manufactured in compliance with IAPMO PS 80-2008.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

### MODELS:

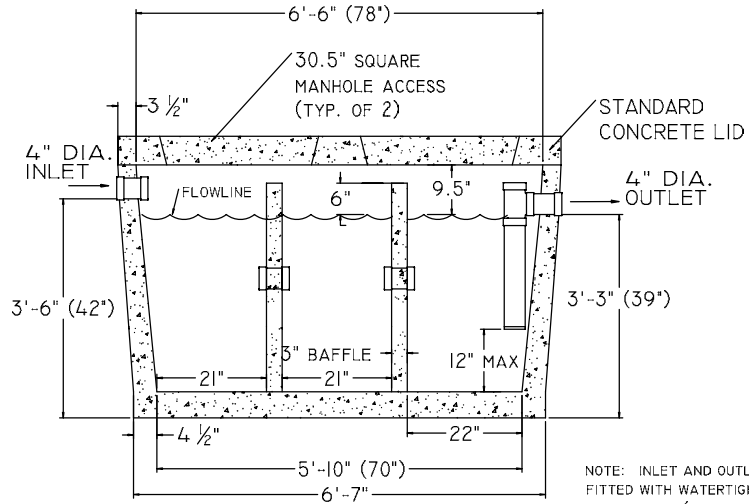
PC750, PC1000, PC1250, PC1500, PC2000, PC2500, PC3000





**TOP VIEW**

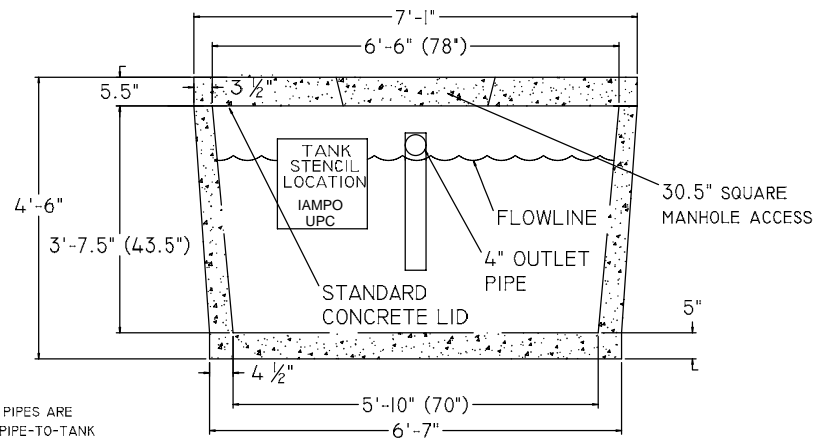
SCALE: NTS



**SIDE VIEW CUTAWAY**

SCALE: NTS

NOTE: INLET AND OUTLET PIPES ARE FITTED WITH WATERTIGHT PIPE-TO-TANK CONNECTIONS (STANDARD)



**END VIEW**

SCALE: NTS

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

LENGTH 8' - 0"

WIDTH 8' - 0"

DEPTH BELOW INLET 3' - 6"

### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

### 3). CERTIFIED ENGINEERING IS AVAILABLE UNPON REQUEST.

### 4). THIS TANK IS ALSO AVAILABLE AS A TWO COMPARTMENT SAND/OIL INTERCEPTOR

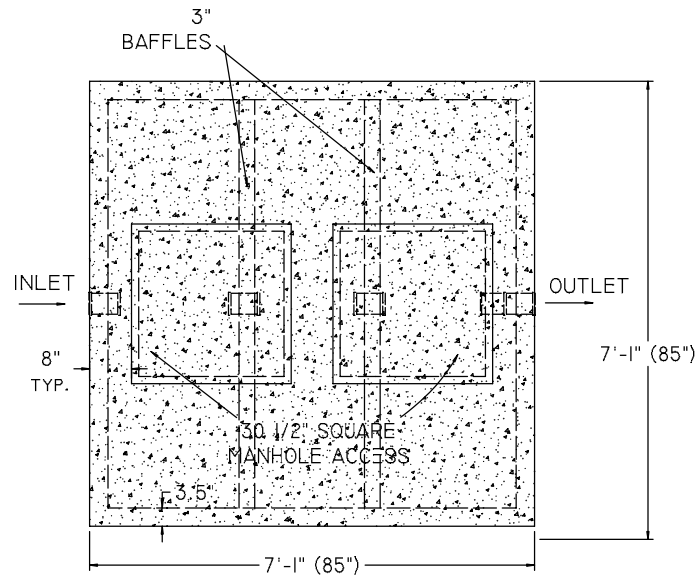
### 5). INTEGRAL TOP TO BODY DESIGN

DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
(831) 630-5763

**PRE-CAST CONCRETE WATER TIGHT  
TRAFFIC RATED CLARIFIER  
CAPACITY 750 GALLONS  
MODEL IPC750**

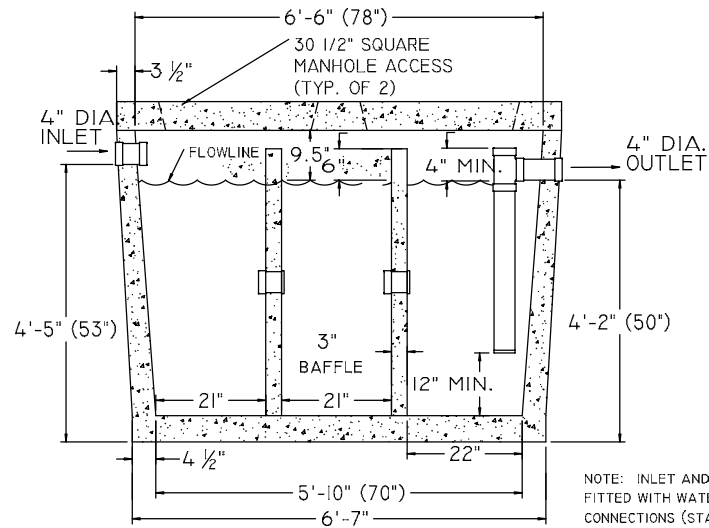


3/06/09 \_



**TOP VIEW**

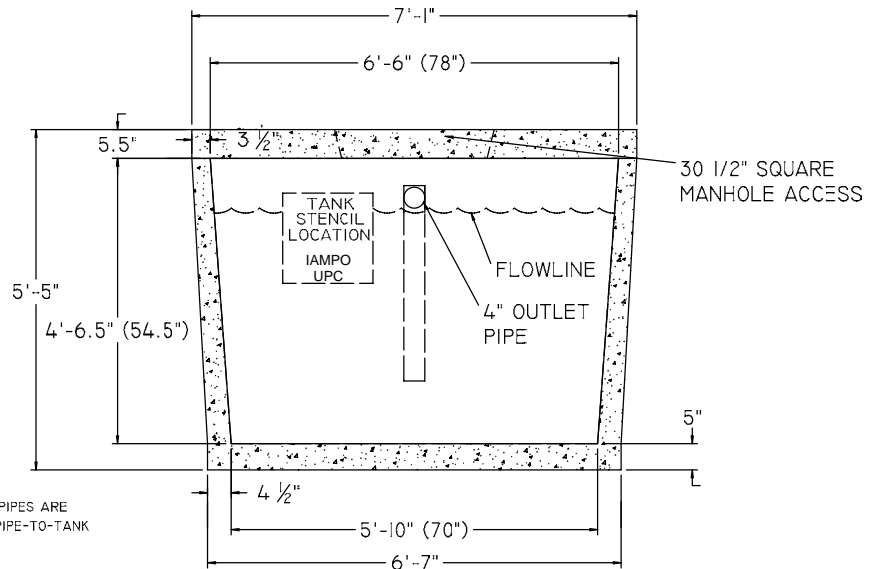
SCALE: NTS



**SIDE VIEW CUTAWAY**

SCALE: NTS

NOTE: INLET AND OUTLET PIPES ARE FITTED WITH WATERTIGHT PIPE-TO-TANK CONNECTIONS (STANDARD)



**END VIEW**

SCALE: NTS

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

LENGTH 8' - 0"

WIDTH 8' - 0"

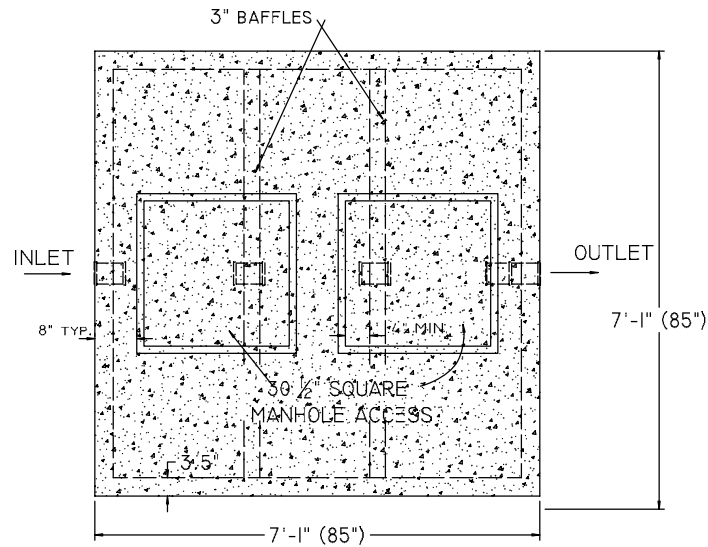
DEPTH BELOW INLET 4'-5"

2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

3). CERTIFIED ENGINEERING IS AVAILABLE UPON REQUEST.

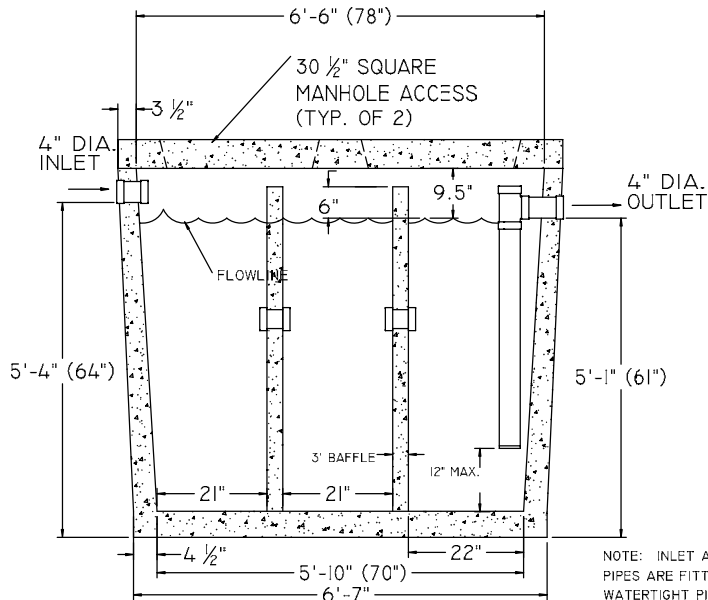
4). THIS TANK IS ALSO AVAILABLE AS A TWO COMPARTMENT SAND/OIL INTERCEPTOR

5). INTEGRAL TOP TO BODY DESIGN



**TOP VIEW**

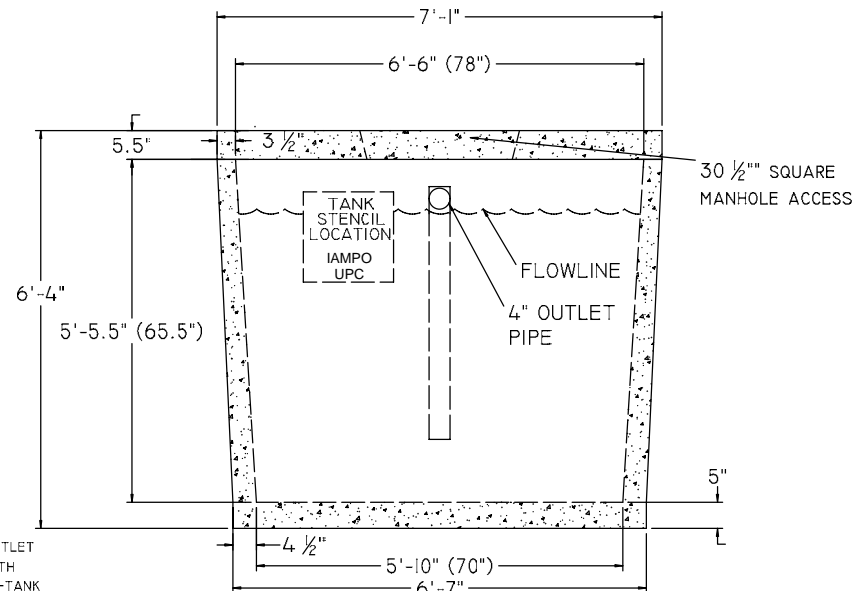
SCALE: NTS



**SIDE VIEW CUTAWAY**

SCALE: NTS

NOTE: INLET AND OUTLET  
PIPES ARE FITTED WITH  
WATERTIGHT PIPE-TO-TANK  
CONNECTIONS (STANDARD)



**END VIEW**

SCALE: NTS

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

LENGTH 8' - 0"

WIDTH 8' - 0"

DEPTH BELOW INLET 5'-4"

### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

### 3). CERTIFIED ENGINEERING IS AVAILABLE UNPON REQUEST.

### 4). THIS TANK IS ALSO AVAILABLE AS A TWO COMPARTMENT SAND/OIL INTERCEPTOR

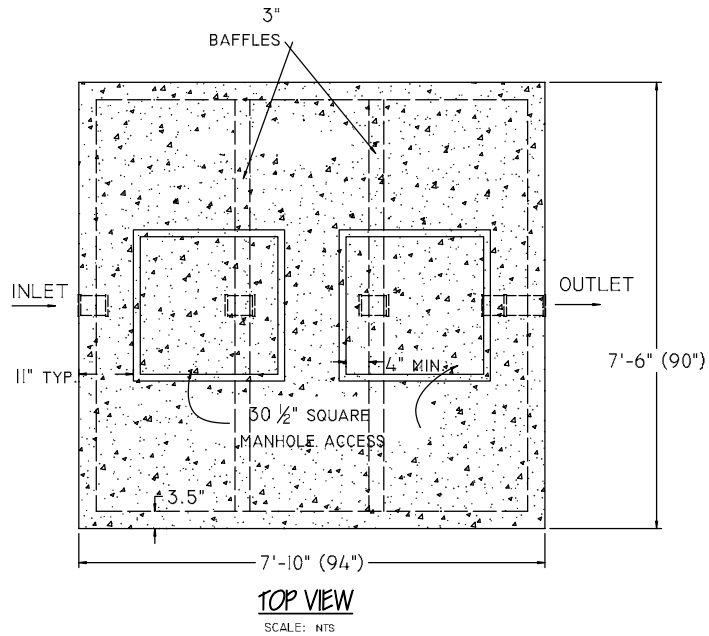
### 5). INTEGRAL TOP TO BODY DESIGN

DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
(831) 630-5763

**PRE-CAST CONCRETE WATER TIGHT  
TRAFFIC RATED CLARIFIER  
CAPACITY 1250 GALLONS  
MODEL IPC1250**



3/06/09 —



## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

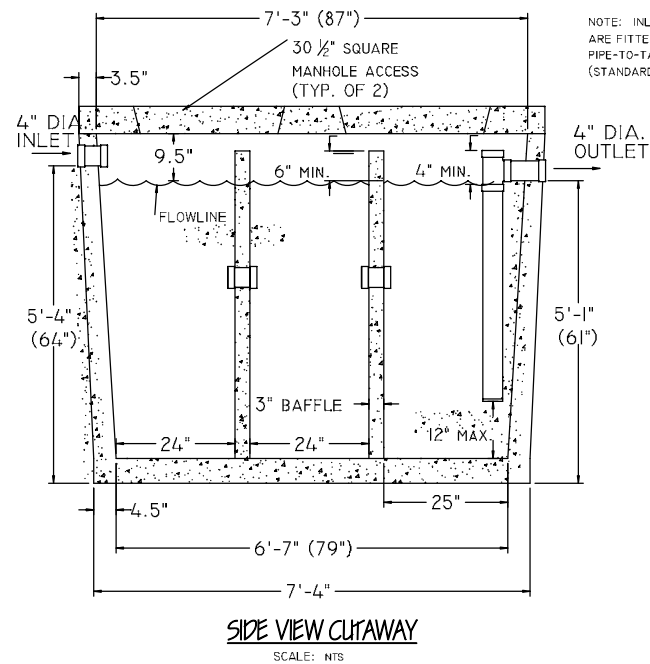
LENGTH 9' - 0"  
 WIDTH 9' - 0"  
 DEPTH BELOW INLET 5' - 4"

### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

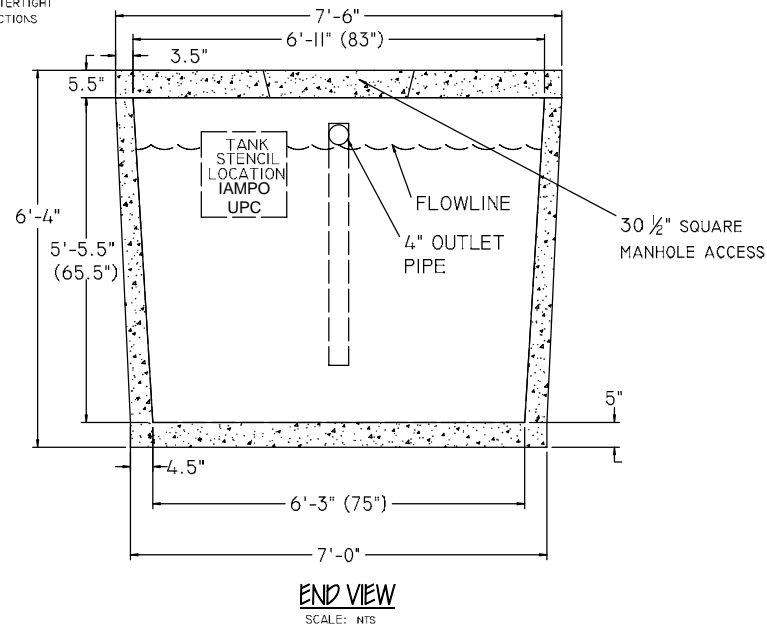
### 3). CERTIFIED ENGINEERING IS AVAILABLE UPON REQUEST.

### 4). THIS TANK IS ALSO AVAILABLE AS A TWO COMPARTMENT SAND/OIL INTERCEPTOR

### 5). INTEGRAL TOP TO BODY DESIGN



NOTE: INLET AND OUTLET PIPES ARE FITTED WITH WATERTIGHT PIPE-TO-TANK CONNECTIONS (STANDARD)



DON CHAPIN PRE-CAST  
 2735 BOLSA RD.  
 HOLLISTER, CA 95023  
 (831) 630-1042  
 (831) 630-5763

PRE-CAST CONCRETE WATER TIGHT  
 TRAFFIC RATED CLARIFIER  
 CAPACITY 1500 GALLONS  
 MODEL IPC1500

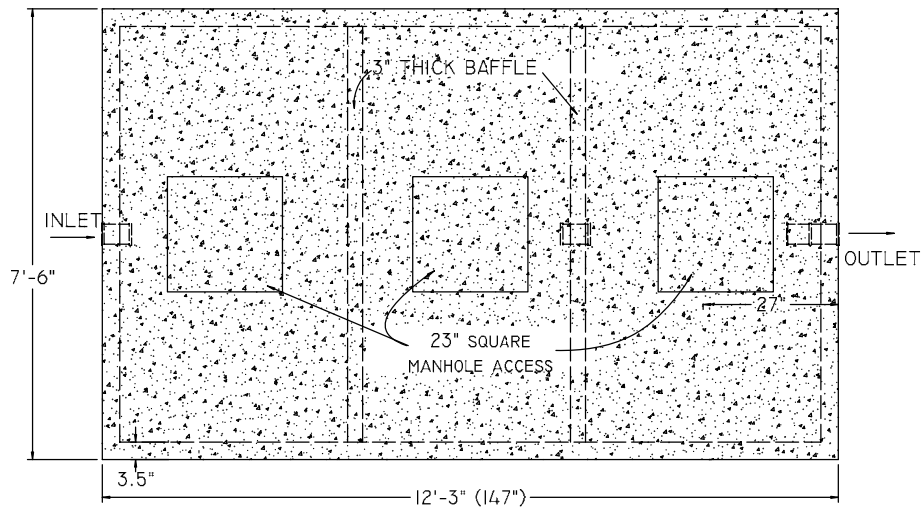


2/2/09 -

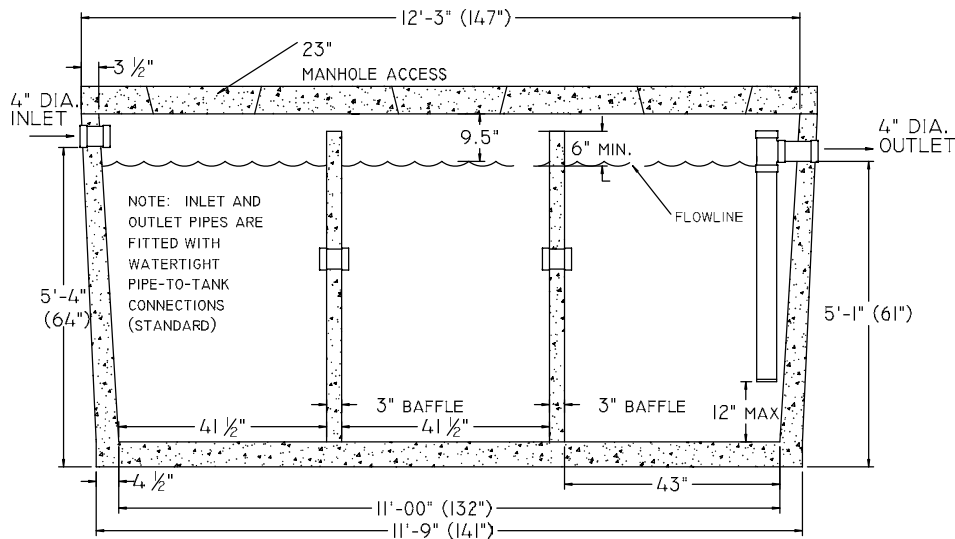
## 5). INTEGRAL TOP TO BODY DESIGN



3/06/09 —



**TOP VIEW**  
SCALE: NTS



**SIDE VIEW CUTAWAY**  
SCALE: NTS

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

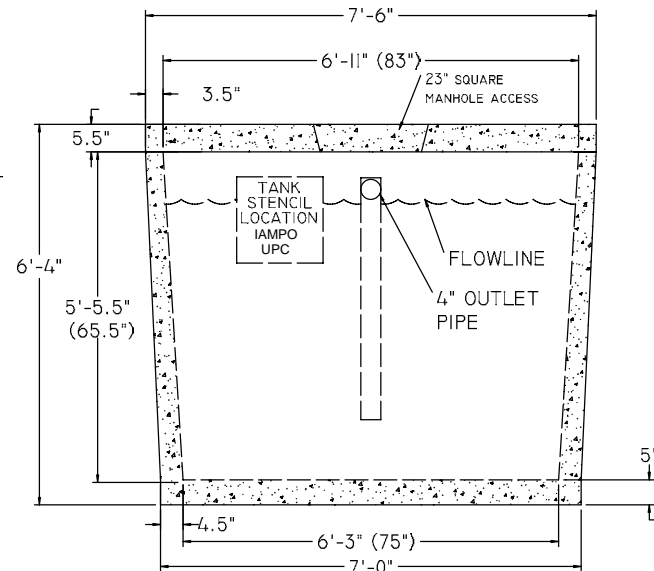
LENGTH 14' - 0"  
WIDTH 9' - 0"  
DEPTH BELOW INLET 5'-4"

2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

3). CERTIFIED ENGINEERING IS AVAILABLE UNPON REQUEST.

4). THIS TANK IS ALSO AVAILABLE AS A TWO COMPARTMENT SAND/OIL INTERCEPTOR

5). INTEGRAL TOP TO BODY DESIGN



**END VIEW**  
SCALE: NTS

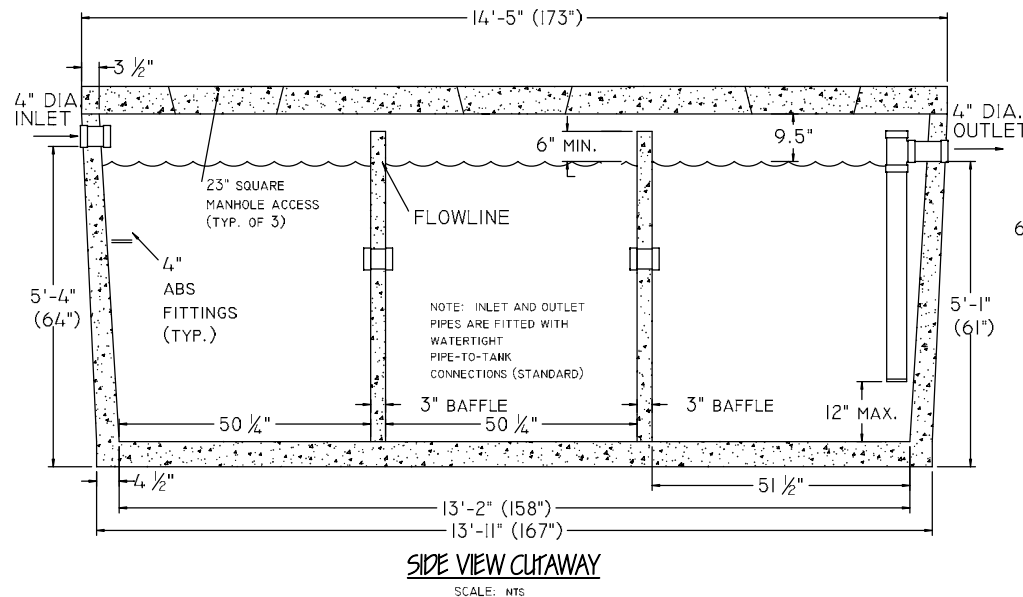
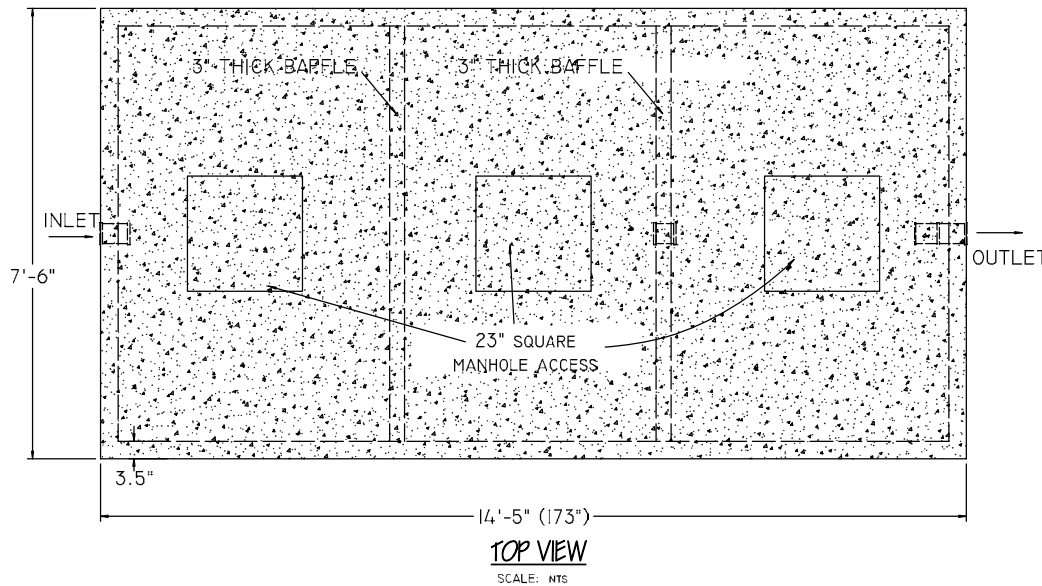
DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
(831) 630-5763

**PRE-CAST CONCRETE WATER TIGHT  
TRAFFIC RATED CLARIFIER  
CAPACITY 2500 GALLONS  
MODEL IPC2500**



3/06/09 \_





## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

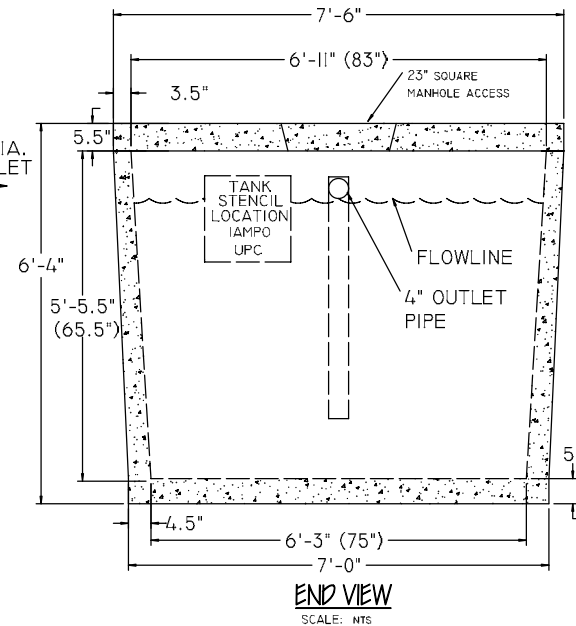
LENGTH 15' - 0"  
WIDTH 9' - 0"  
DEPTH BELOW INLET 5'-4"

### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

### 3). CERTIFIED ENGINEERING IS AVAILABLE UNPON REQUEST.

### 4). THIS TANK IS ALSO AVAILABLE AS A TWO COMPARTMENT SAND/OIL INTERCEPTOR

### 5). INTEGRAL TOP TO BODY DESIGN

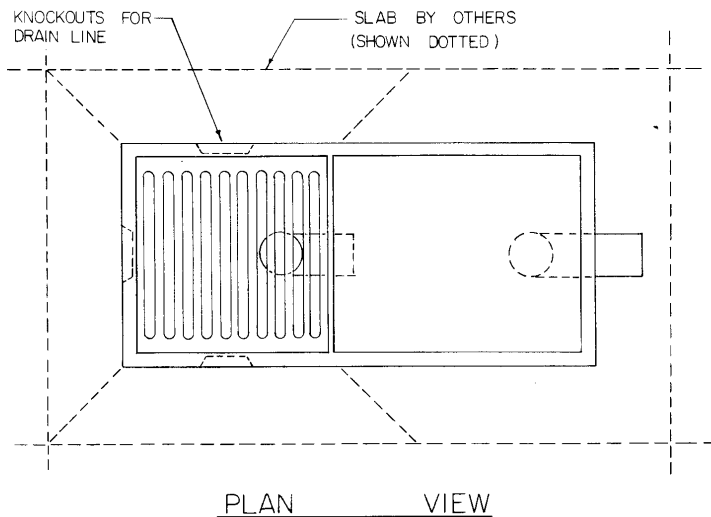


DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
(831) 630-5763

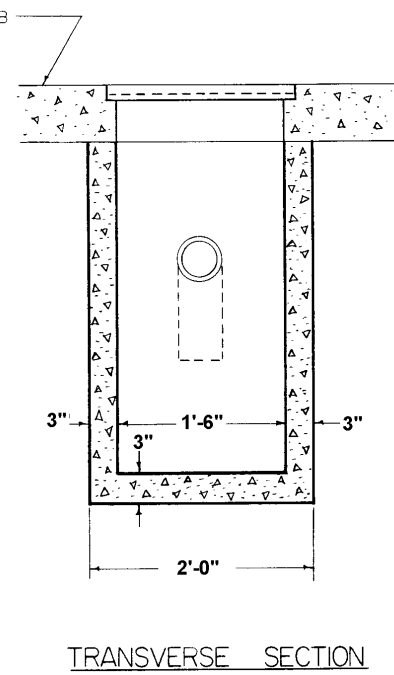
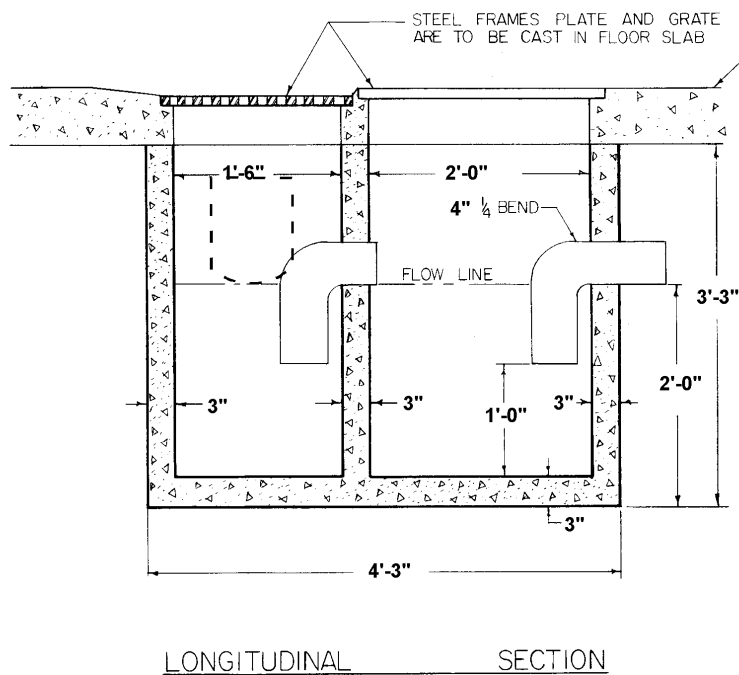
PRE-CAST CONCRETE WATER TIGHT  
TRAFFIC RATED CLARIFIER  
CAPACITY 3000 GALLONS  
MODEL IPC3000



3/06/09



**NOTE: THIS ITEM IS DESIGNED TO BE USED AT GRADE LEVEL. THERE ARE NO RISERS AVAILABLE FOR THIS ITEM.**



CHAPIN PRE-CAST  
560 CRAZY HORSE CANYON RD.  
SALINAS, CA 93907-8434  
(831) 630-1042  
(831) 630-5763 FAX

## PRE-CAST CONCRETE SAND TRAP

MODEL: NCST

DATE: 11-9-78

DRAWN: WME

SCALE: N.T.S.

SHEET 1 OF 1

CHKD.

REVISED

DATE



# Don Chapin Company Pre-Cast Division

IAPMO – UPC LISTED

SEPTIC TANKS

# IAPMO RESEARCH AND TESTING, INC.

5001 East Philadelphia Street, Ontario, California 91761-2816 • (909) 472-4100 Fax (909) 472-4244 • www.iapmo.org



## LISTED PRODUCTS

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

Effective Date: March 2009 Void After: March 2010

Product: Septic Tanks (Prefabricated) File No. 5909

Issued To: Don Chapin Company, Inc.  
560 Crazy Horse Canyon Road  
Salinas, CA 93906

**IDENTIFICATION:** Each tank shall be clearly and permanently marked with the manufacturer's name and/or registered trademark, model number, the month and year of manufacture, inlet & outlet, the maximum recommended depth of earth cover in feet and the nominal working volume. Markings shall appear on a plate that has been molded, cast or wet set onto the tank, located either on the left hand side of the inlet or on top of the tank near the inlet. Permanent markings shall be adequately protected from corrosion so as to remain legible over the life of the tank. The product shall also bear the UPC® certification mark adjacent to product markings.

**CHARACTERISTICS:** Prefabricated septic tanks made from concrete, glass-fiber reinforced polyester, polyethylene, synthetic structural fiber reinforced concrete and steel fiber reinforced concrete. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code.

Products comply with the applicable sections of the latest edition of the Uniform Plumbing Code®. Manufactured in compliance with IAPMO/ANSI

  
Chairman, Product Certification Committee

  
Executive Director

This listing is for the period indicated herein and is void after the date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Reproduction of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alternation of this certificate could be grounds for revocation of the listing.

DOC#081A



# IAPMO RESEARCH AND TESTING, INC.

## LISTED PRODUCTS

Page 2

Effective Date: March 2009

Void After: March 2010

Product: Septic Tanks (Prefabricated)

File No. 5909

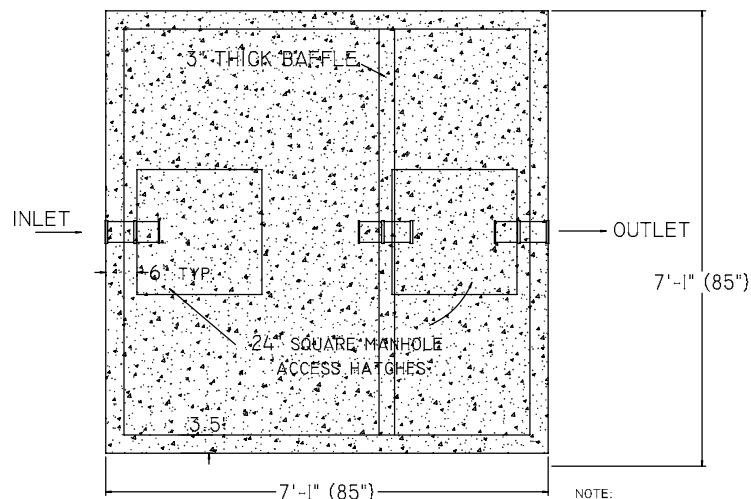
Issued To: Don Chapin Company, Inc.

Z1000-2007.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

### MODELS:

PS 750, PS 1000, PS 1250, PS 1500, PS 2000, PS 2500, PS 3000

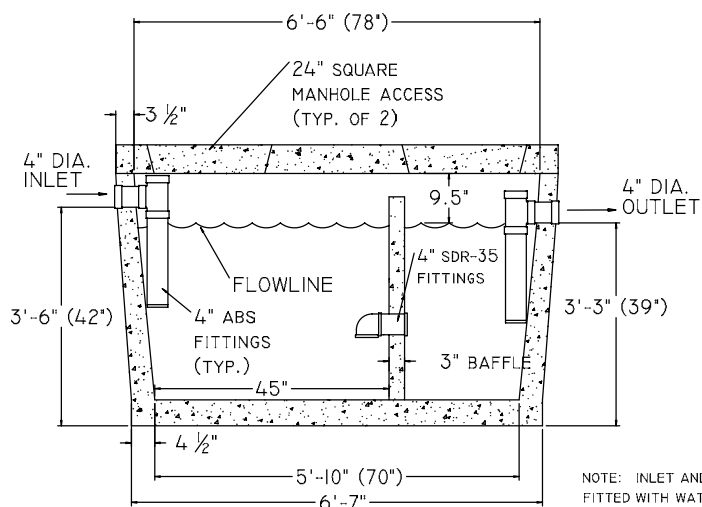


**TOP VIEW**

SCALE: NTS

NOTE:

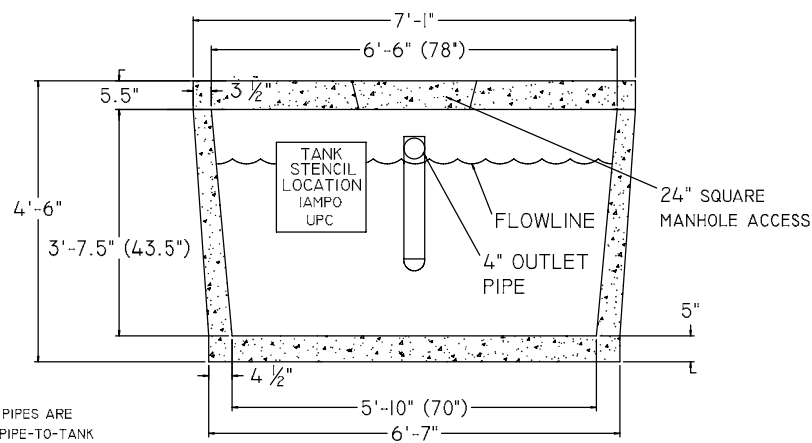
THIS TANK CAN BE CAST WITH EITHER ORENCO RISER ADAPTERS (24" OR 30") OR CONCRETE PLUGS. PLEASE ASK FOR DETAILS WHEN PLACING ORDER.



**SIDE VIEW CUTAWAY**

SCALE: NTS

NOTE: INLET AND OUTLET PIPES ARE FITTED WITH WATERTIGHT PIPE-TO-TANK CONNECTIONS (STANDARD)



**END VIEW**

SCALE: NTS

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

LENGTH 8' - 0"

WIDTH 8' - 0"

DEPTH BELOW INLET 3' - 6"

### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

### 3). CERTIFIED ENGINEERING IS AVAILABLE UNPON REQUEST.

### 4). ALSO AVAILABLE AS AN H2O ASSEMBLY

### 5). INTEGRAL TOP TO BODY DESIGN

DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
(831) 630-5763

**PRE-CAST CONCRETE WATER TIGHT  
SEPTIC TANK  
CAPACITY 750 GALLONS  
IPS750**



3/12/09

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

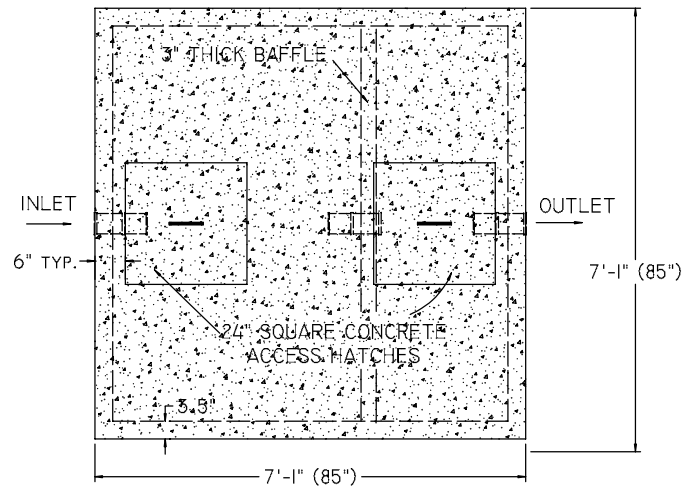
LENGTH 8' - 0"  
WIDTH 8' - 0"  
DEPTH BELOW INLET 4'-5"

2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

3). CERTIFIED ENGINEERING IS AVAILABLE UPON REQUEST.

4). THIS IS ALSO AVAILABLE AS AN H20 RATED ASSEMBLY

5). INTEGRAL TOP TO BODY DESIGN

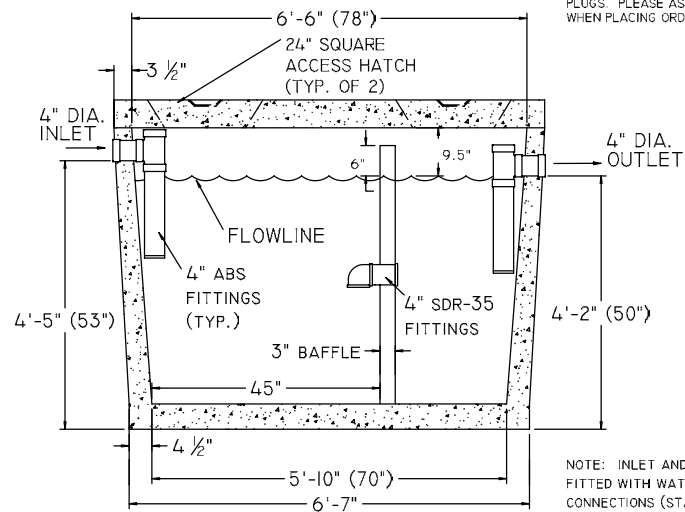


**TOP VIEW**

SCALE: N'S

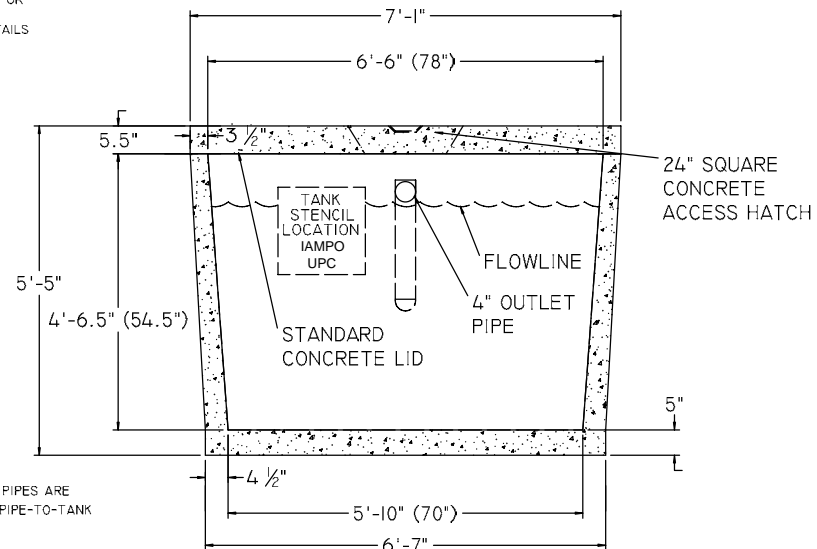
NOTE:

THIS TANK CAN BE CAST WITH ORENCO RISER ADAPTERS (24" OR 30") INSTEAD OF CONCRETE PLUGS. PLEASE ASK FOR DETAILS WHEN PLACING ORDER.



**SIDE VIEW CUTAWAY**

SCALE: N'S



**END VIEW**

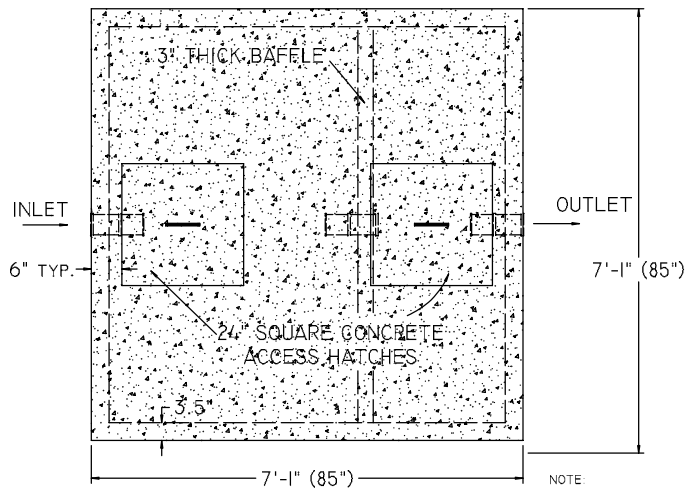
SCALE: N'S

DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
(831) 630-5763

**PRE-CAST CONCRETE WATER TIGHT  
SEPTIC TANK  
CAPACITY 1000 GALLONS  
MODEL IPS1000**



3/12/09 \_



**TOP VIEW**

SCALE: N"=S

NOTE

THIS TANK CAN BE CAST WITH ORENCO RISER ADAPTERS (24" OR 30") INSTEAD OF CONCRETE PLUGS. PLEASE ASK FOR DETAILS WHEN PLACING ORDER.

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

LENGTH 8' - 0"

WIDTH 8' - 0"

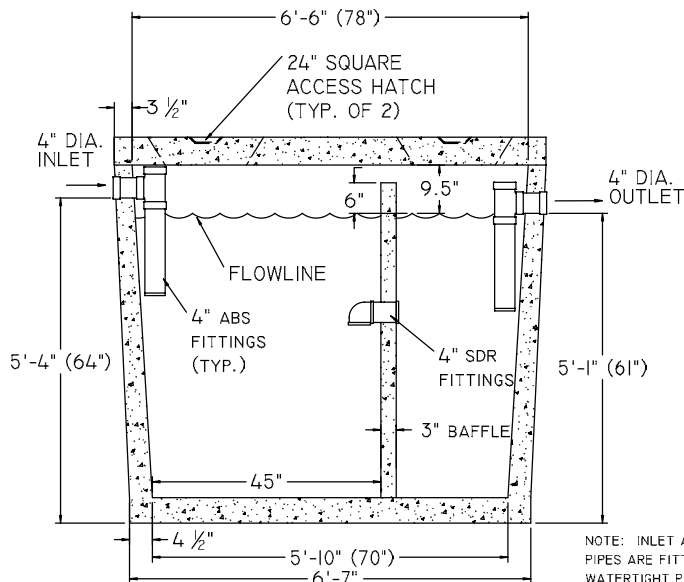
DEPTH BELOW INLET 5'-4"

### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

### 3). CERTIFIED ENGINEERING IS AVAILABLE UNPON REQUEST.

### 4). THIS IS ALSO AVAILBLE AS AN H2O RATED ASSEMBLY

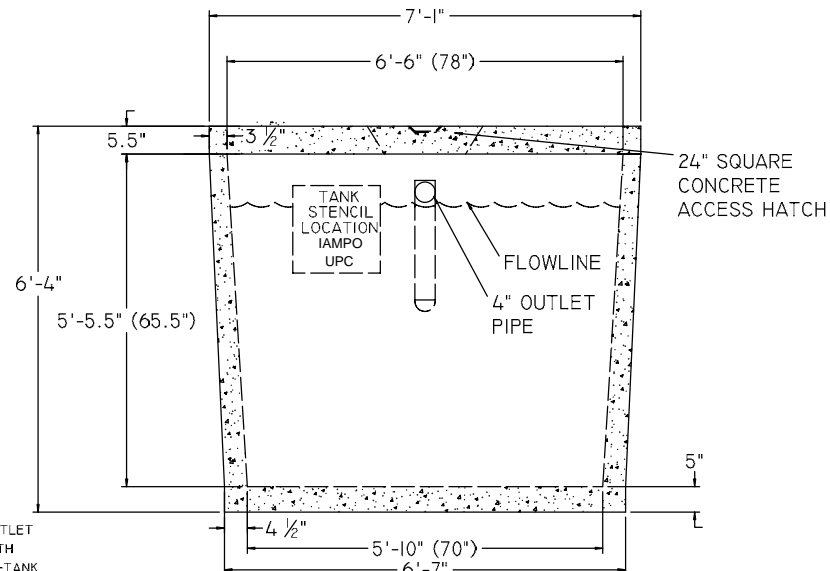
### 5). INTEGRAL TOP TO BODY DESIGN



**SIDE VIEW CUTAWAY**

SCALE: N"=S

NOTE: INLET AND OUTLET PIPES ARE FITTED WITH WATERTIGHT PIPE-TO-TANK CONNECTIONS (STANDARD)



**END VIEW**

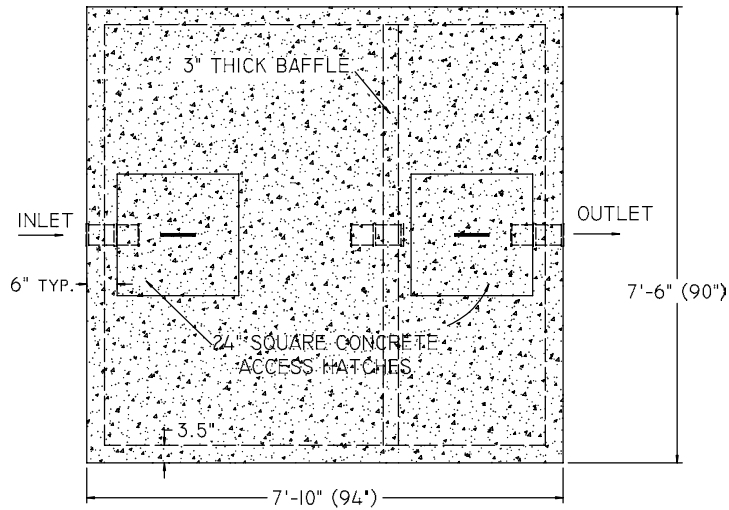
SCALE: N"=S

DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
(831) 630-5763

**PRE-CAST CONCRETE WATER TIGHT  
SEPTIC TANK  
CAPACITY 1250 GALLONS  
MODEL IPS1250**



3/12/09

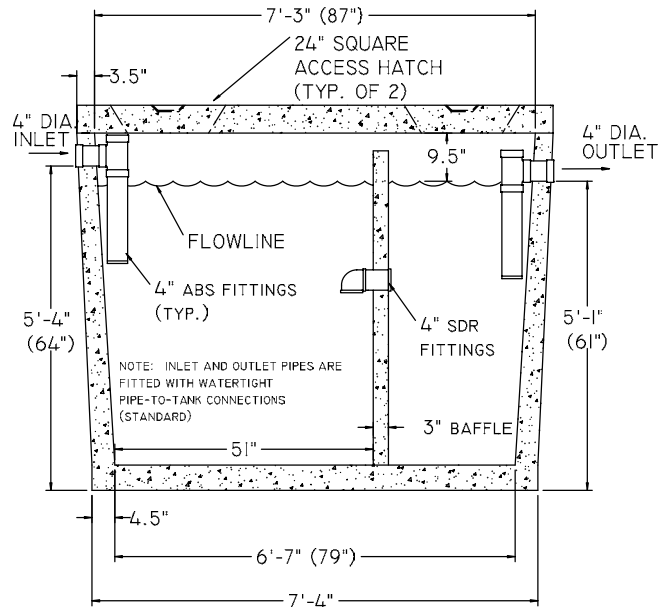


**TOP VIEW**

SCALE: N'S

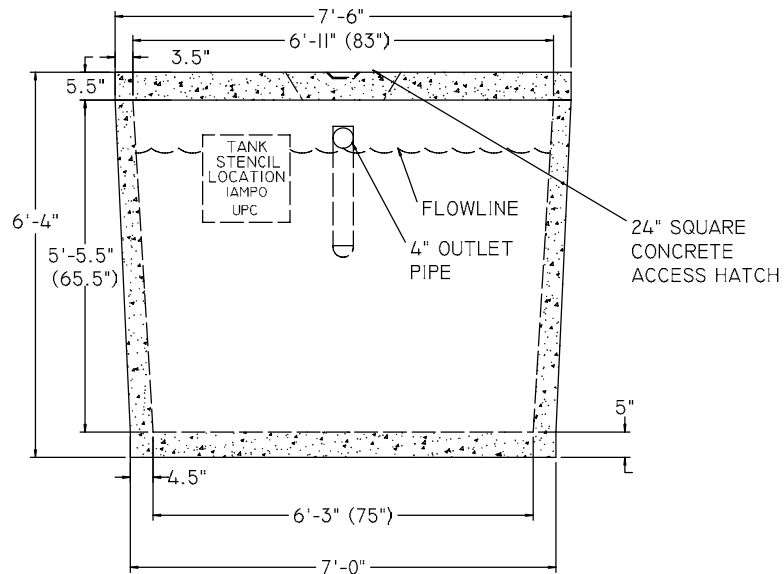
NOTE:

THIS TANK CAN BE CAST WITH ORENCO RISER ADAPTERS (24" OR 30") INSTEAD OF CONCRETE PLUGS. PLEASE ASK FOR DETAILS WHEN PLACING ORDER.



**SIDE VIEW CUTAWAY**

SCALE: N'S



**END VIEW**

SCALE: N'S

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

LENGTH 9' - 0"  
WIDTH 9' - 0"  
DEPTH BELOW INLET 5' - 4"

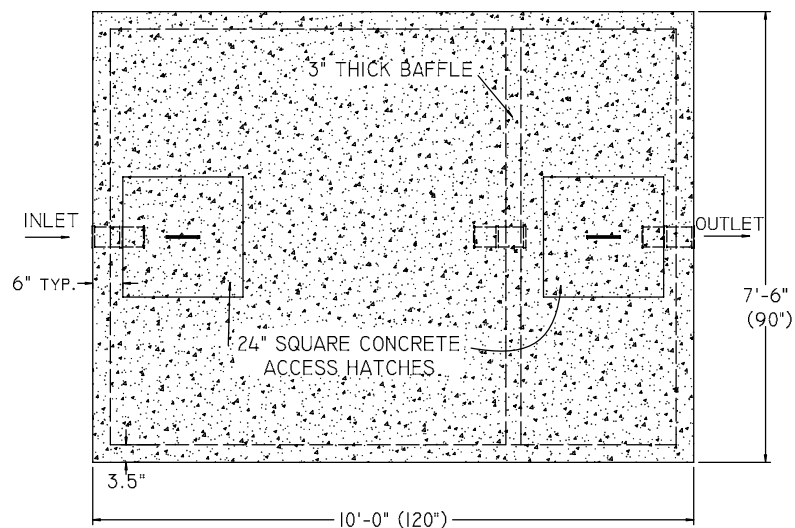
2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

3). CERTIFIED ENGINEERING IS AVAILABLE UPON REQUEST.

4). THIS IS ALSO AVAILABLE AS AN H20 RATED ASSEMBLY

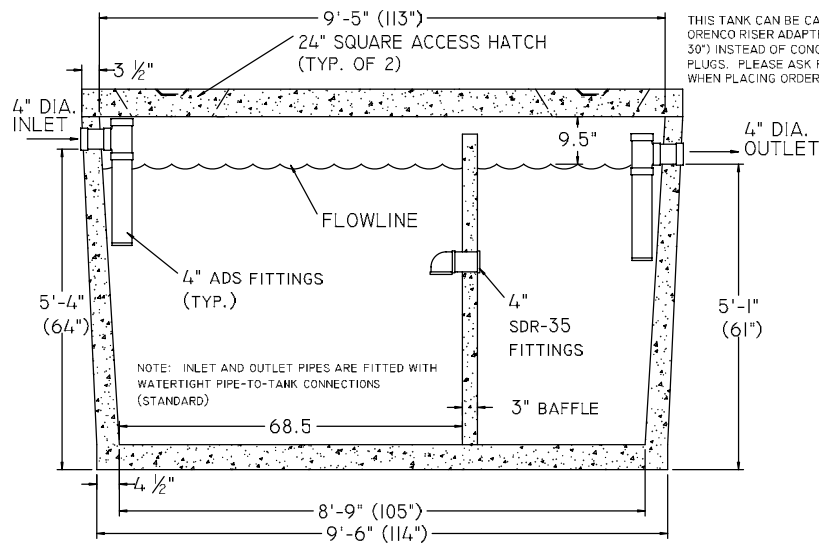
5). INTEGRAL TOP TO BODY DESIGN





**TOP VIEW**

SCALE: NTS

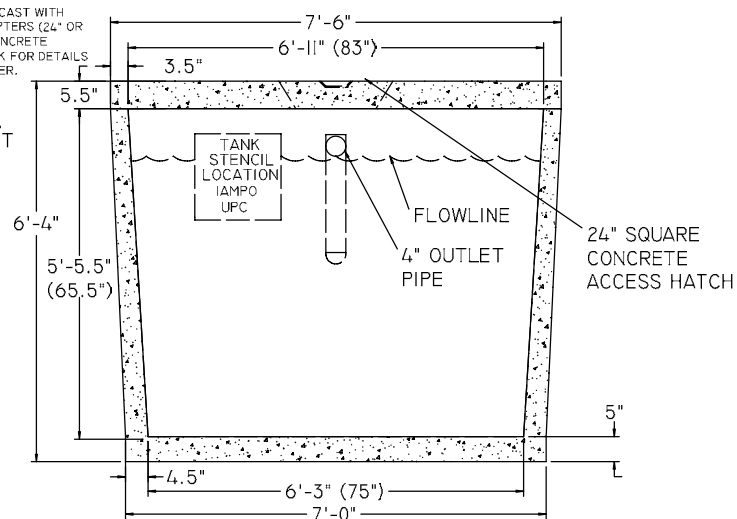


**SIDE VIEW CUTAWAY**

SCALE: NTS

NOTE:

THIS TANK CAN BE CAST WITH ORENCO RISER ADAPTERS (24\"/>



**END VIEW**

SCALE: NTS

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

LENGTH 11' - 0"

WIDTH 9' - 0"

DEPTH BELOW INLET 5'-4"

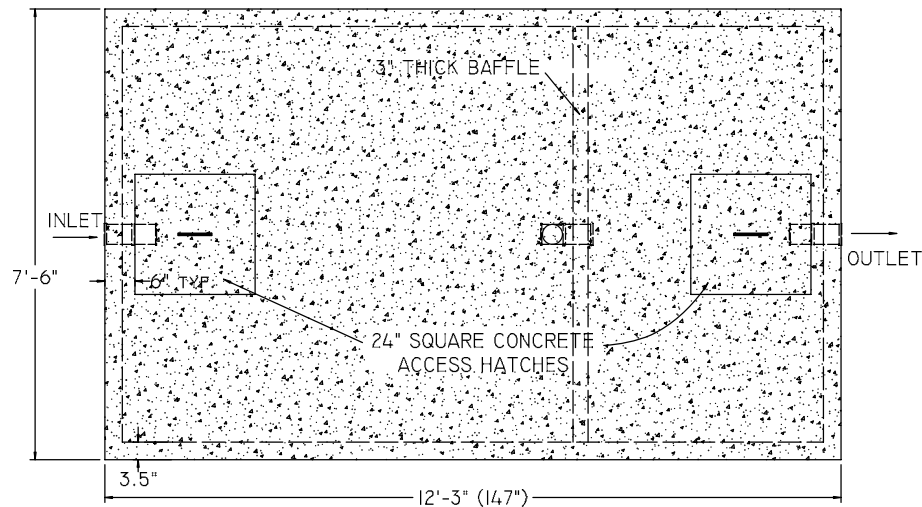
### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

### 3). CERTIFIED ENGINEERING IS AVAILABLE UNPON REQUEST.

### 4). THIS IS ALSO AVAILABLE AS AN H2O RATED ASSEMBLY

### 5). INTEGRAL TOP TO BODY DESIGN



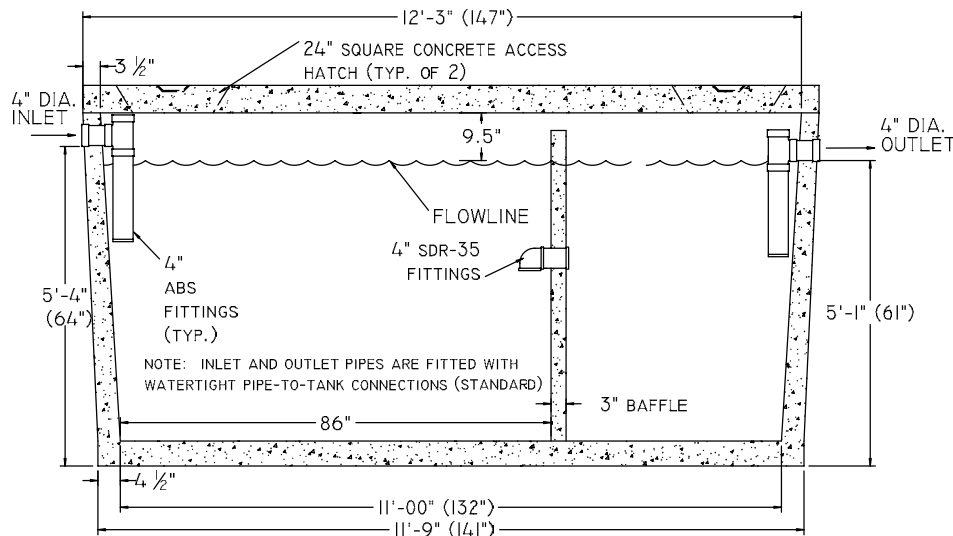


NOTE:

THIS TANK CAN BE CAST WITH  
ORENCO RISER ADAPTERS (24" OR  
30") INSTEAD OF CONCRETE  
PLUGS. PLEASE ASK FOR DETAILS  
WHEN PLACING ORDER.

TOP VIEW

SCALE: NTS



SIDE VIEW CUTAWAY

SCALE: NTS

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

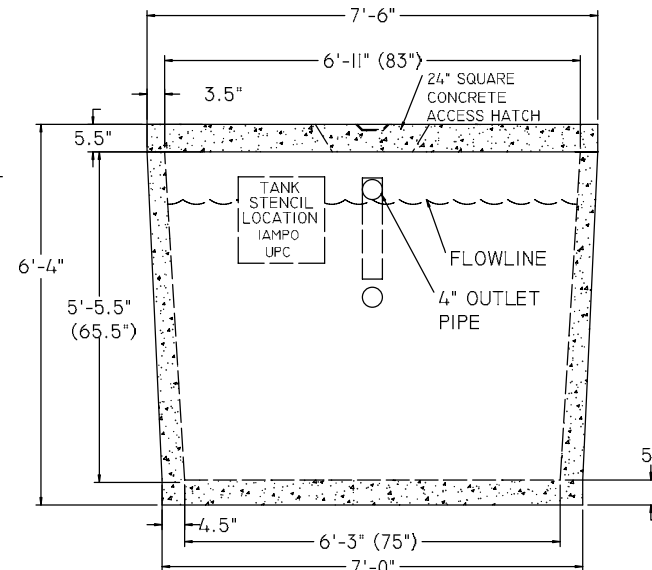
LENGTH 14' - 0"  
WIDTH 9' - 0"  
DEPTH BELOW INLET 5'-4"

### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

### 3). CERTIFIED ENGINEERING IS AVAILABLE UNPON REQUEST.

### 4). THIS IS ALSO AVAILABLE AS AN H20 RATED ASSEMBLY

### 5). INTEGRAL TOP TO BODY DESIGN



END VIEW

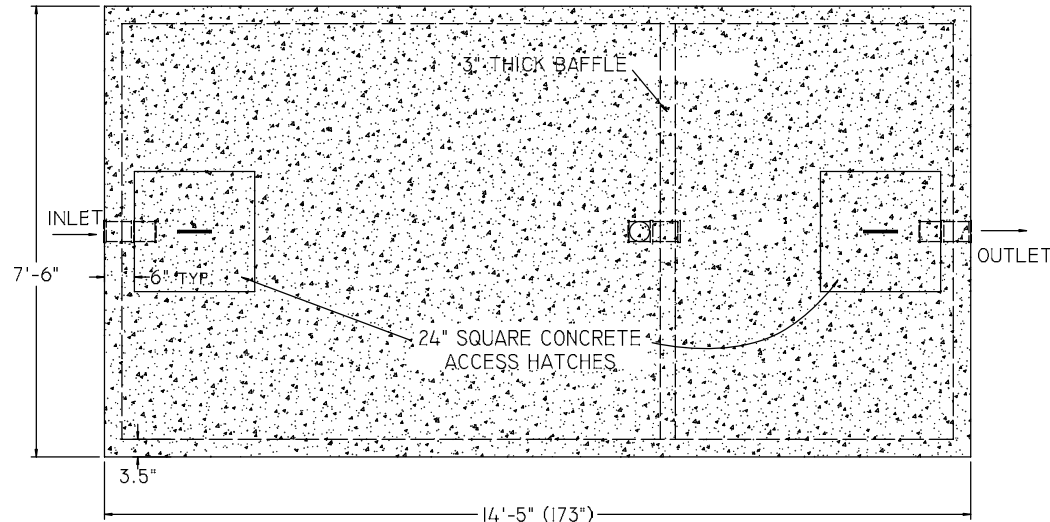
SCALE: NTS

DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
(831) 630-5763

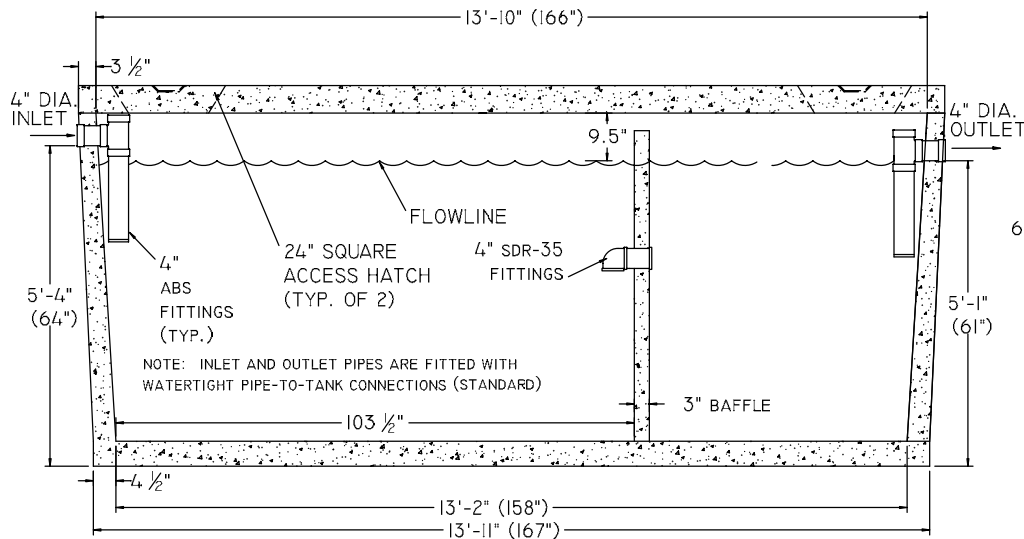
PRE-CAST CONCRETE WATER TIGHT  
SEPTIC TANK  
CAPACITY 2500 GALLONS  
MODEL IPS2500



3/13/09 -



**TOP VIEW**  
SCALE: NTS



**SIDE VIEW CUTAWAY**  
SCALE: NTS

## NOTES:

### 1). EXCAVATION SPECIFICATIONS:

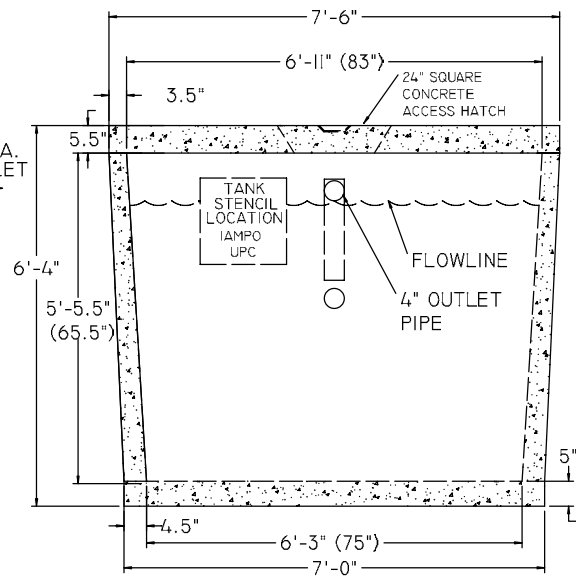
LENGTH 15' - 0"  
WIDTH 9' - 0"  
DEPTH BELOW INLET 5'-4"

### 2). DON CHAPIN PRE-CAST MAY MAKE CHANGES TO THE DESIGN AND OR TO THE DIMENSIONS WITHOUT NOTICE. PLEASE CONTACT DON CHAPIN PRE-CAST WHENEVER NECESSARY TO CONFIRM DESIGN CRITERIA.

### 3). CERTIFIED ENGINEERING IS AVAILABLE UNPON REQUEST.

### 4). THIS IS ALSO AVAILABLE AS AN H2O RATED ASSEMBLY

### 5). INTEGRAL TOP TO BODY DESIGN



**END VIEW**  
SCALE: NTS

DON CHAPIN PRE-CAST  
2735 BOLSA RD.  
HOLLISTER, CA 95023  
(831) 630-1042  
(831) 630-5763

PRE-CAST CONCRETE WATER TIGHT  
SEPTIC TANK  
CAPACITY 3000 GALLONS  
MODEL IPS3000



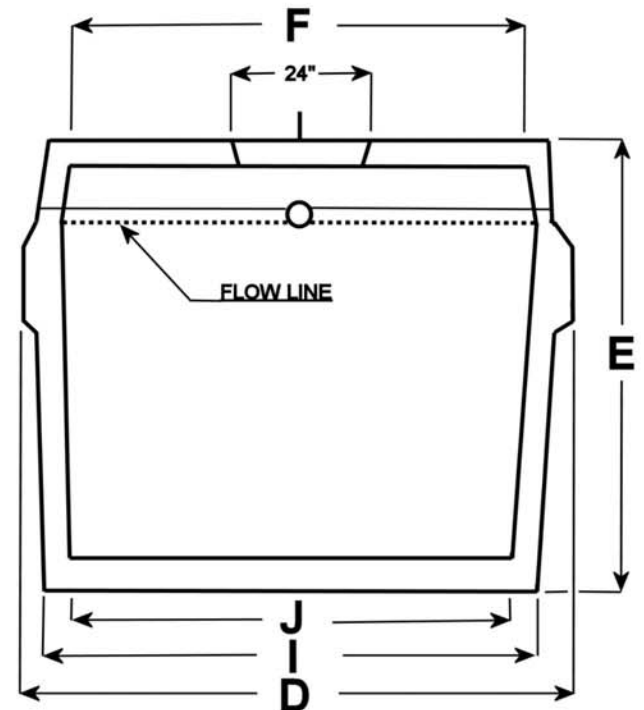
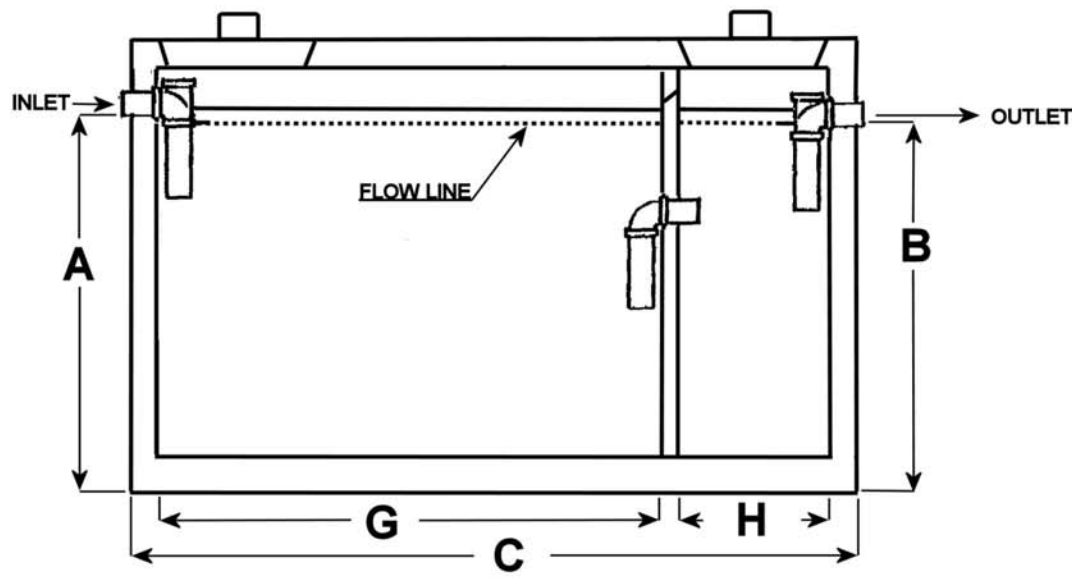
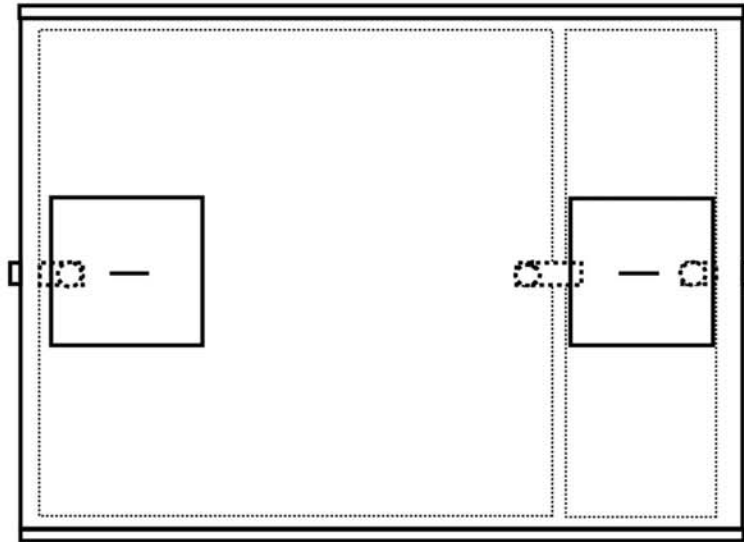
3/16/09

# Don Chapin Company Pre-Cast Division

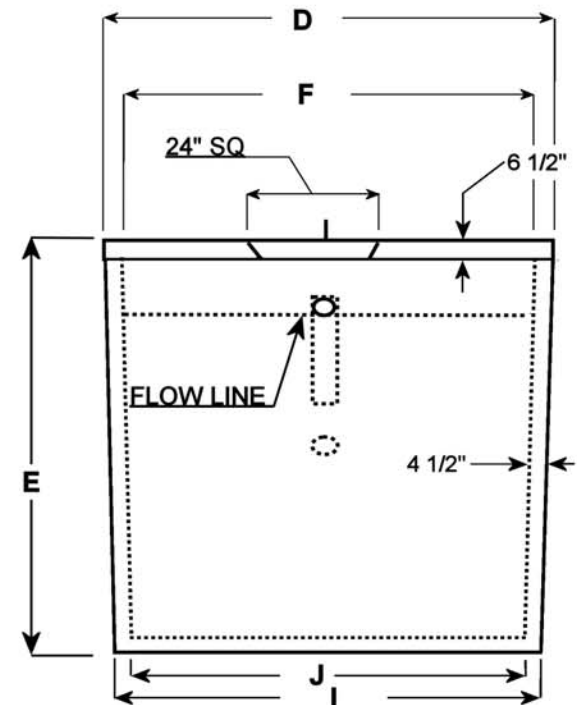
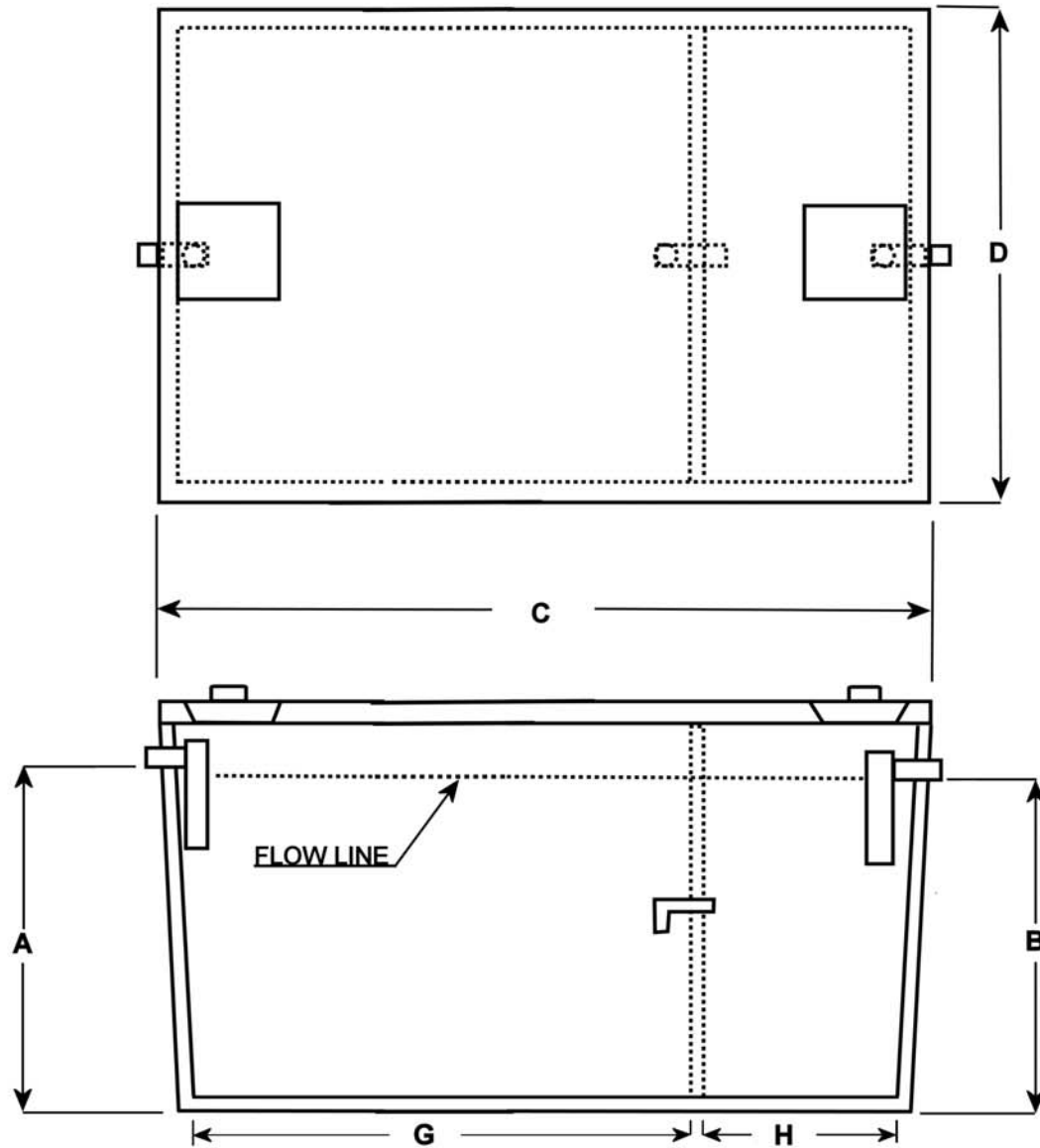
## STANDARD RESIDENTIAL SEPTIC TANKS

TANK SPECIFICATIONS	A	B	C	D	E	F	G	H	I	J
1250 GALLON	5'-0"	4'-10"	8'-0"	6'-5"	5'-11"	5'-10"	4'-1"	2'-10"	6"-1"	5'-9"
1500 GALLON	5'-2"	5'-0"	7'-10"	7'-4"	6'-1"	6'-5"	4'-1"	2'-10"	6'-11"	6'-4"
2000 GALLON	5'-2"	5'-0"	9'-11"	7'-4"	6'-1"	6'-5"	6'-1"	2'-10"	6'-11"	6'-4"

EXCAVATION SPECIFICATIONS	LENGTH	WIDTH	DEPTH BELOW INLET
1250 GALLON	9'-0"	8'-0"	5'-0"
1500 GALLON	9'-0"	9'-0"	5'-2"
2000 GALLON	11'-0"	9'-0"	5'-2"

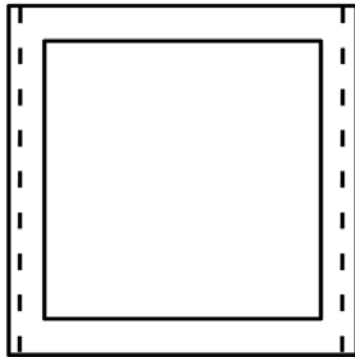


TANK SPECIFICATIONS	A	B	C	D	E	F	G	H	I	J
1500 GALLON	5'-4"	5'-2"	7'-5"	7'-5"	6'-5"	7'-5"	4'-1"	23"	7'-0"	6'-4"
2000 GALLON	5'-4"	5'-2"	9'-6"	7'-5"	6'-5"	7'-5"	5'-6"	2'-9"	7'-0"	6'-4"
EXCAVATION SPECIFICATIONS	LENGTH		WIDTH		DEPTH BELOW INLET					
1500 GALLON	9'-0"		9'-0"		5'-4"					
2000 GALLON	11'-0"		9'-0"		5'-4"					



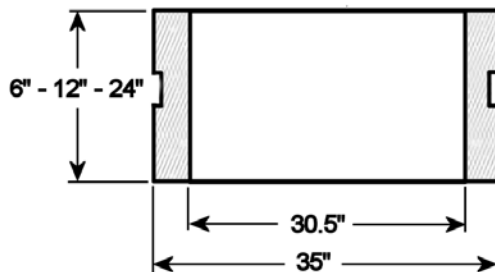
# Don Chapin Company Pre-Cast Division

RISERS  
LIDS  
SAMPLE BOXES  
AND OTHER  
ACCESSORIES

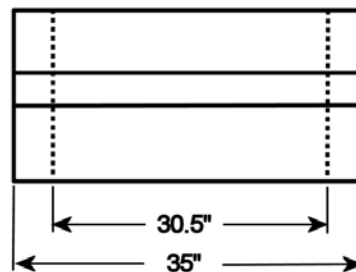


SQUARE CONCRETE RISER

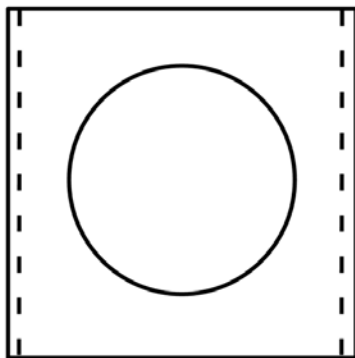
PLAN VIEW



SIDE VIEW

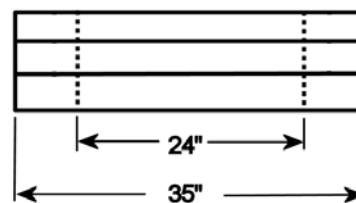
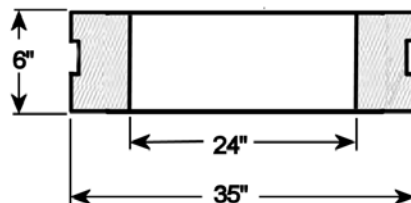


END VIEW



ADAPTER FOR  
ROUND 24" CAST IRON  
FRAME AND COVERS

PLAN VIEW



CHAPIN PRE-CAST  
560 CRAZY HORSE CANYON RD.  
SALINAS, CA 93907-8434  
(831) 630-1042  
(831) 630-5763 FAX

PRE-CAST CONCRETE RISER  
AND ADAPTER FOR  
CAST IRON MANHOLE

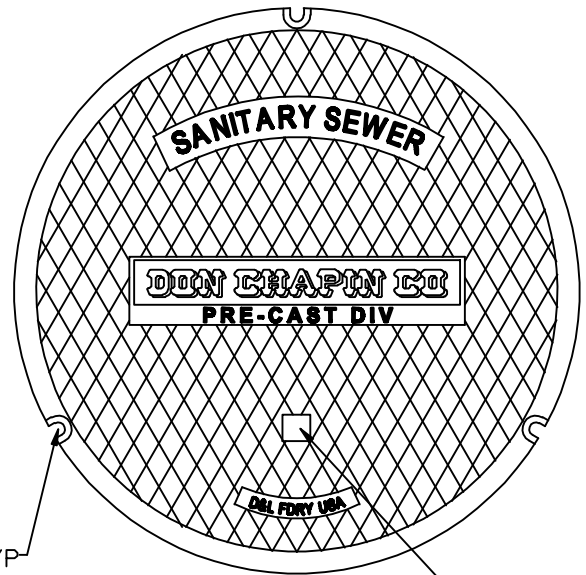
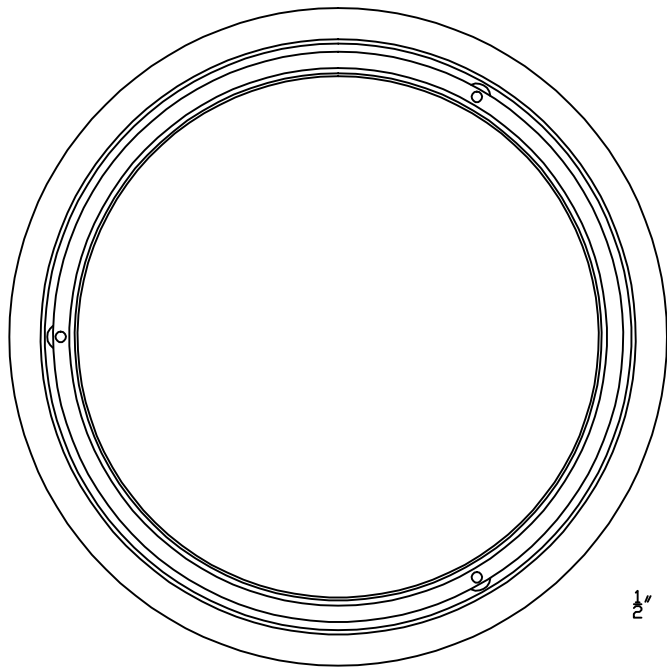
CRSQCON, CR30S.5,  
CR30S12, CR30S24

SCALE: N.T.S.

DATE 10-2-06

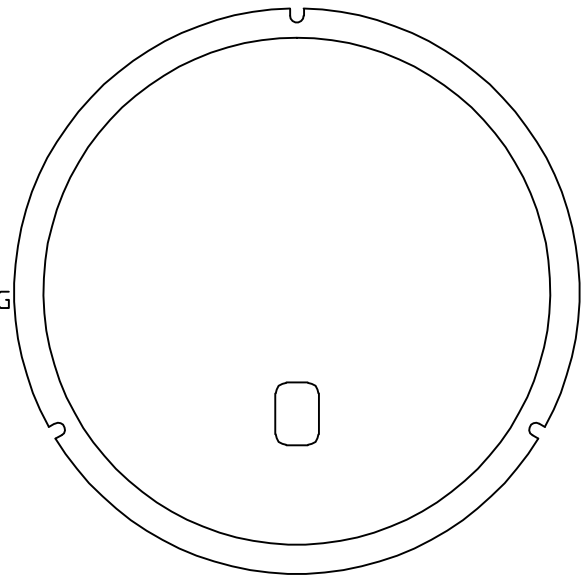
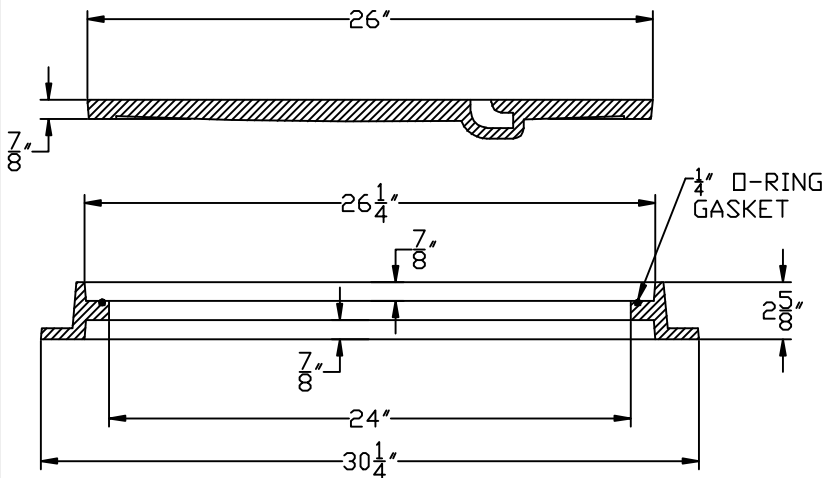
SHEET 1 OF 1

DRAWN CWA



$\frac{1}{2}$ " BOLT TYP

CLOSED PICK



WEIGHT:  
COVER: 121 LBS  
RING: 65 LBS

CAST IRON  
TO CONFORM TO  
ASTM A-48, CLASS 30B  
MEETS H-20 LOAD RATING

B-5107

D&L MODEL #

DRAWN BY: ADAM KROUPA  
D&L Foundry (Not to Scale)

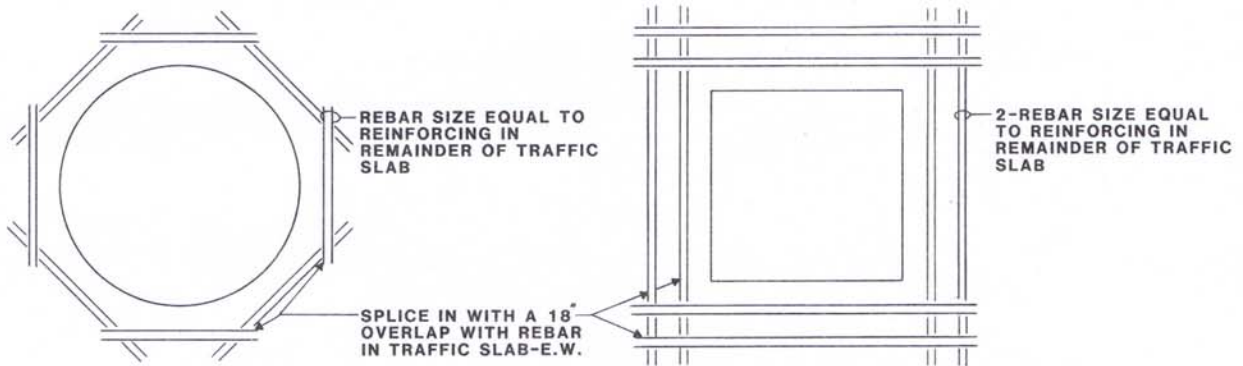
DATE: 8-30-07

**D&L** FOUNDRY & SUPPLY

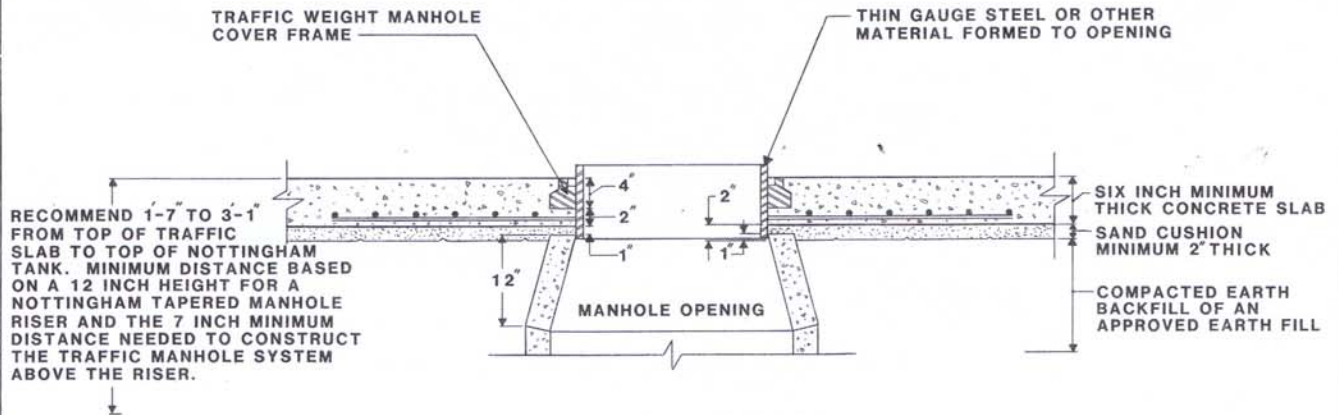
CALIFORNIA SALES: (800)-422-0848  
WASHINGTON SALES: (888)-765-0054  
UTAH SALES: (800)-453-9802



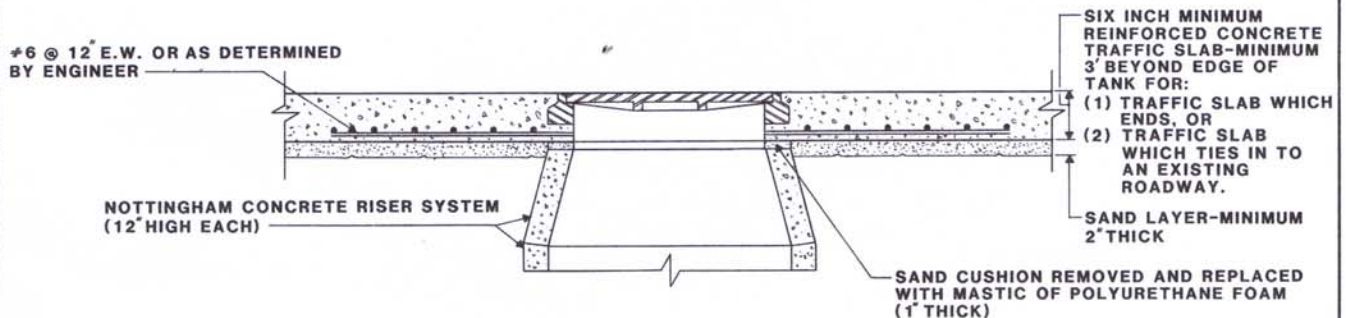
## TYPICAL TRAFFIC PROTECTION SLAB CONSTRUCTION



### TYPICAL MANHOLE AREA REINFORCING



### TRAFFIC SLAB FORMED AND POURED



### FINISHED TRAFFIC PROTECTION SLAB

CHAPIN PRE-CAST  
560 CRAZY HORSE CANYON RD.  
SALINAS, CA 93907-8434  
(831) 630-1042  
(831) 630-5763 FAX

TRAFFIC SLAB AND  
TRAFFIC MANHOLE SYSTEM

DWG. NO. 8022

DATE 6-26-87

DRAWN R.C.

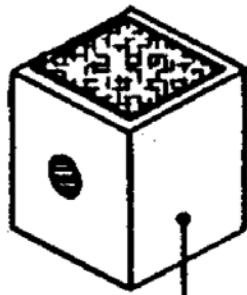
SCALE: 1 1/2" = 1'-0"

SHEET 1 OF 1

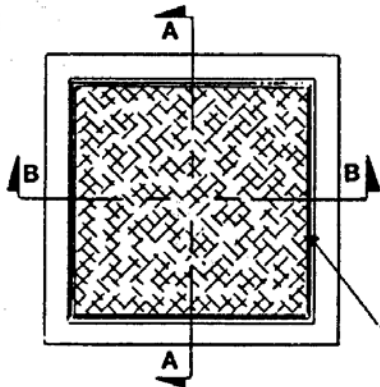
CHKD.

REVISED

DATE

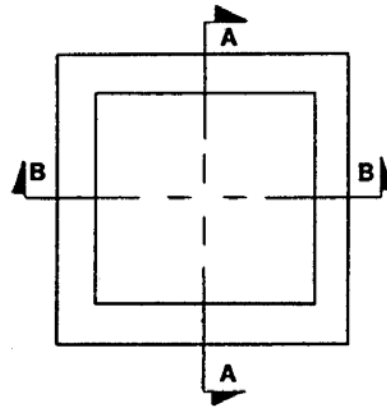


LOOSE SAMPLE BOX

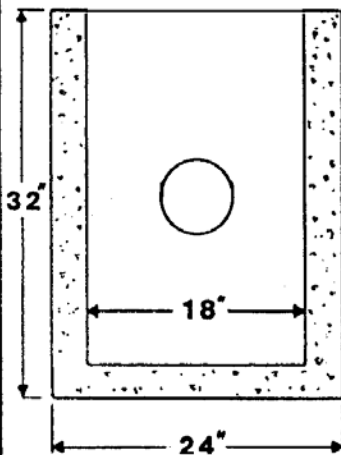


PLAN VIEW

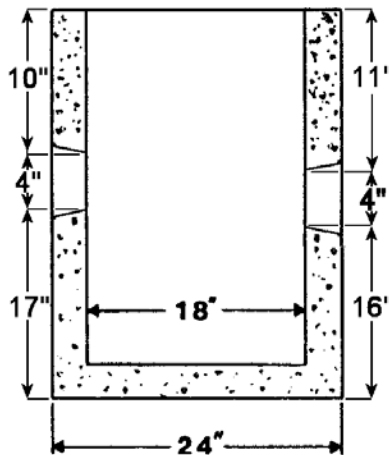
18" X 18" X 1.5"  
BOLT DOWN CAST IRON  
MANWAY SET ON TOP



PLAN VIEW

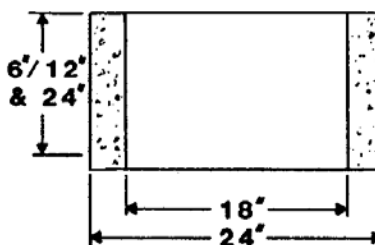


SECTION A-A

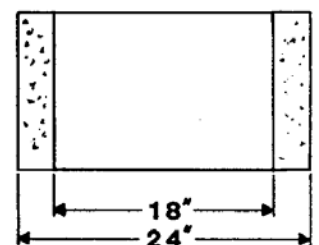


SECTION B-B

ADD-ON SAMPLE BOX



SECTION A-A



SECTION B-B

SAMPLE BOX RISER

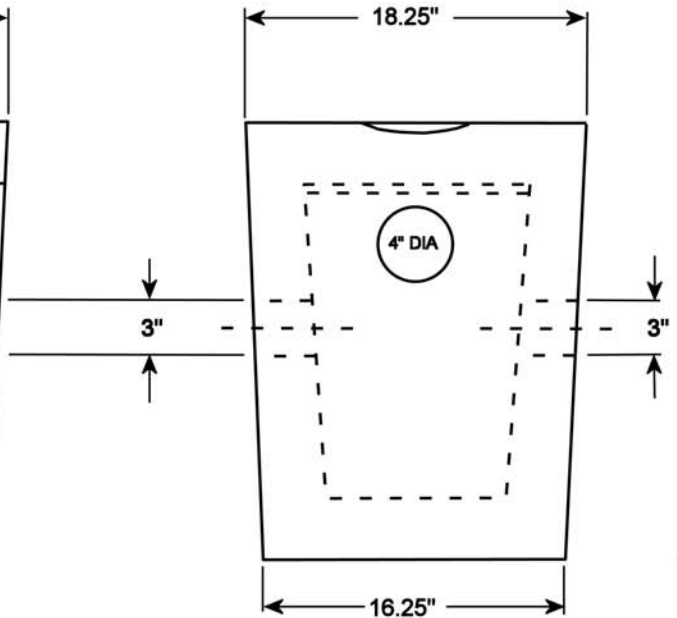
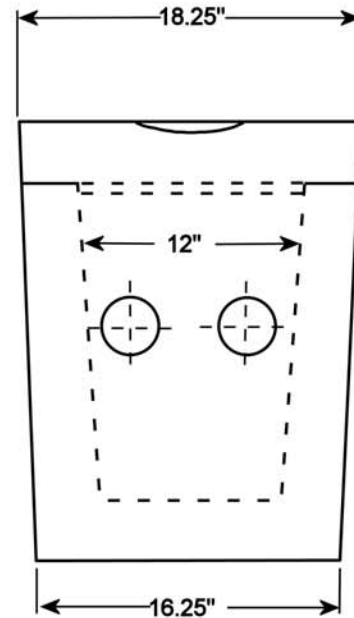
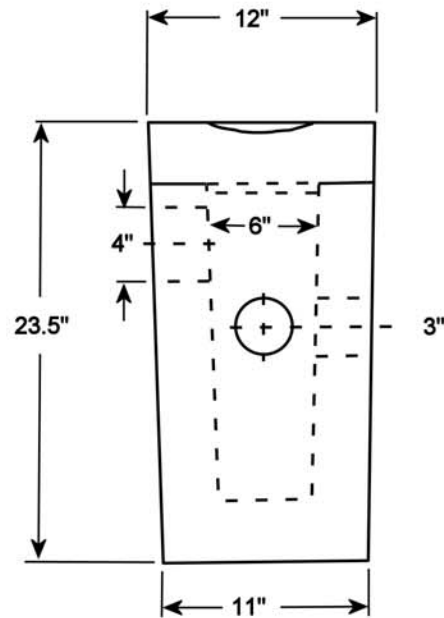
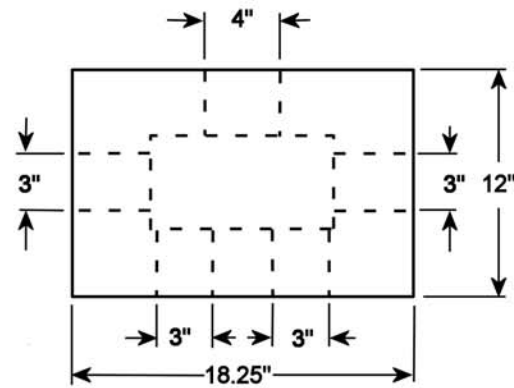
CHAPIN PRE-CAST  
560 CRAZY HORSE CANYON RD.  
SALINAS, CA 93907-8434  
(831) 630-1042  
(831) 630-5763 FAX

SAMPLE BOX

A24SQSB

DATE 3-20-87 DRAWN R.C.

SHEET 1 OF 1 CHKD.



## PRE-CAST CONCRETE DISTRIBUTION BOX

**D-4**

DATE 10/6/06

DRAWN CWA

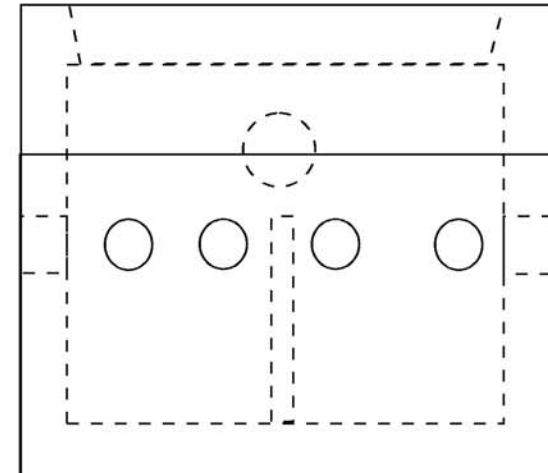
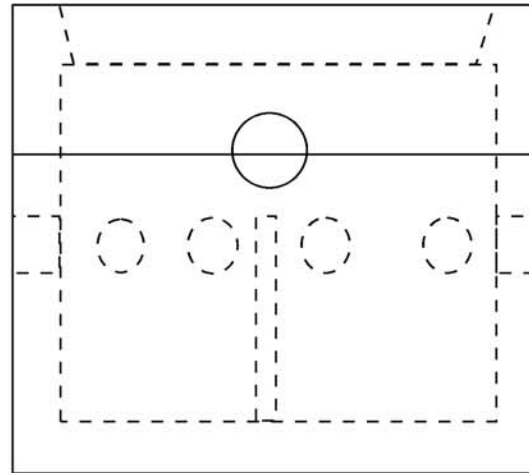
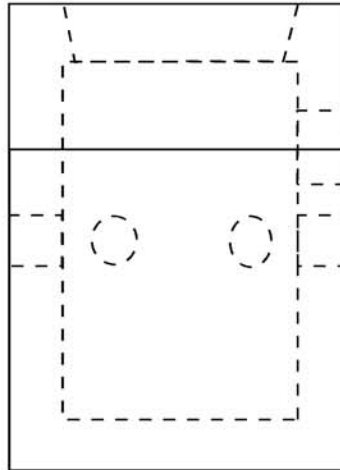
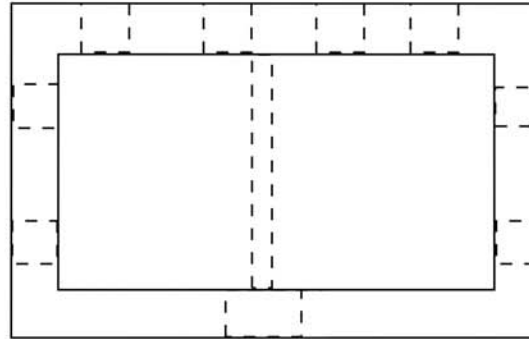
SCALE: N.T.S.

SHEET 1 OF 1

CHKD.

REVISED

DATE



CHAPIN PRE-CAST  
560 CRAZY HORSE CANYON RD.  
SALINAS, CA 93907-8434  
(831) 630-1042  
(831) 630-5763 FAX

**PRE-CAST CONCRETE DISTRIBUTION BOX**  
**1 IN - 8 OUT**

**D-8**

DATE 7-3-07

DRAWN CWA

SCALE: N.T.S.

SHEET 1 OF 1

CHKD.

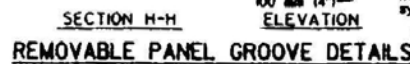
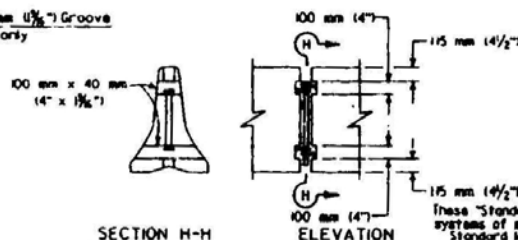
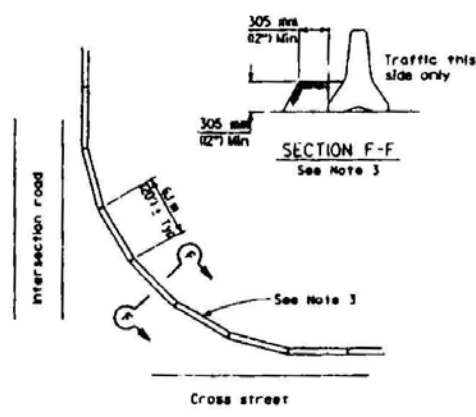
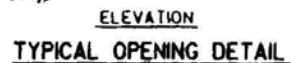
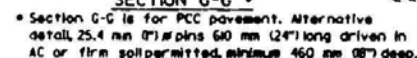
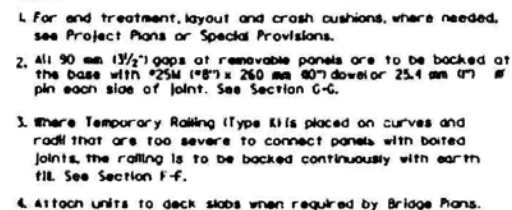
REVISED

DATE

# Don Chapin Company Pre-Cast Division

## OTHER PRE-CAST PRODUCTS

K-RAIL  
REDI-ROCK  
BUNKER BLOCKS  
24" CATCH BASINS



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**TEMPORARY RAILING  
(TYPE K)**

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: international System of Units (SI or "metric") and United States Standard Measures shown in the parentheses (1). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" of the beginning of this publication.

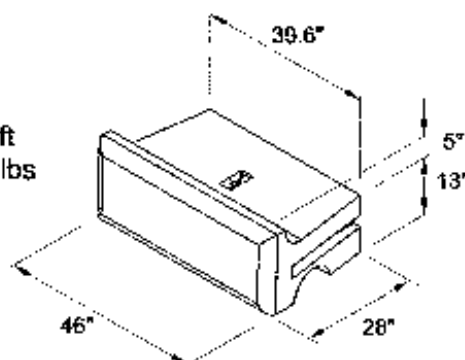
NO SCALE

T3

# 28" Series Blocks

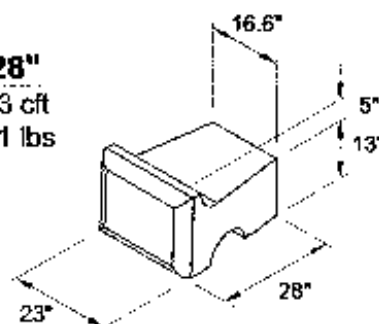
## Top - 28"

Volume = 8.55 cft  
Weight =  $\pm 1223$  lbs  
C of G = 15.06"



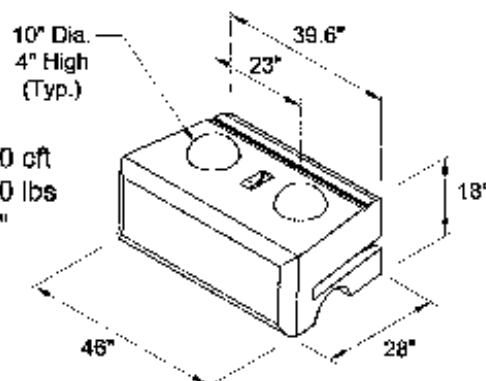
## Half Top - 28"

Volume = 4.13 cft  
Weight =  $\pm 591$  lbs



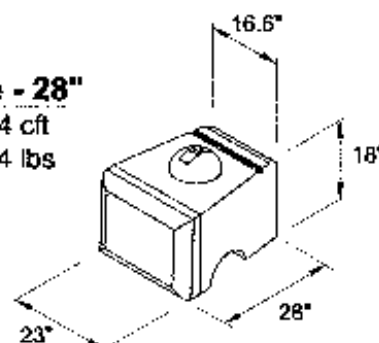
## Middle - 28"

Volume = 11.40 cft  
Weight =  $\pm 1630$  lbs  
C of G = 14.18"



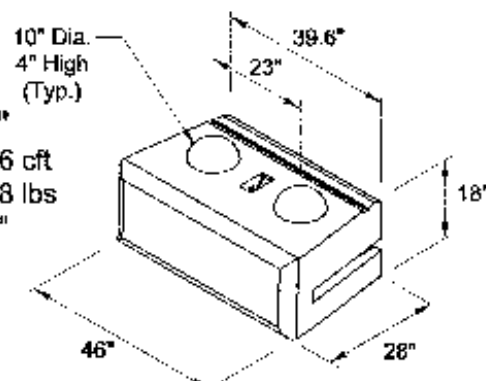
## Half Middle - 28"

Volume = 5.34 cft  
Weight =  $\pm 764$  lbs



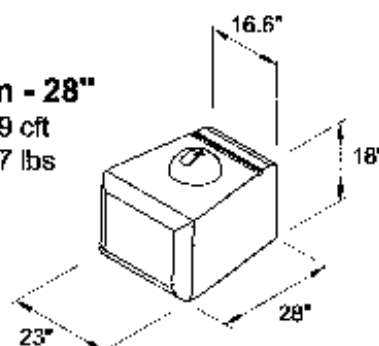
## Bottom - 28"

Volume = 12.36 cft  
Weight =  $\pm 1768$  lbs  
C of G = 14.23"



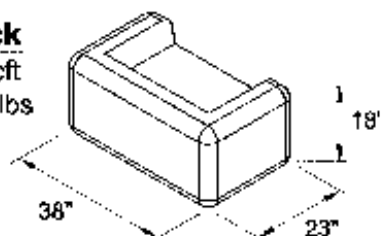
## Half Bottom - 28"

Volume = 5.79 cft  
Weight =  $\pm 827$  lbs



## 23" End Block

Volume = 6.79 cft  
Weight =  $\pm 970$  lbs  
C of G = 12.29"



### NOTES:

Volume and Center of Gravity (C of G) calculations are based on the blocks as shown.

Center of Gravity is measured from the back of the block.

Half blocks include a fork lift slot on one side.

Actual weights and volumes will may vary.

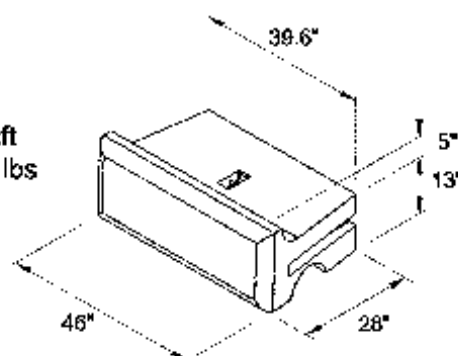
Weight shown is based on 143 pcf concrete.

Drawn by J. JOHNSON	01/03/07	Redi-Rock® International, LLC	
Created by			
Approved by		28in Series Block Details.dwg	REVISION
Issue Date		NO SCALE	SHEET NO. 1 OF 1

# 41" Series Blocks

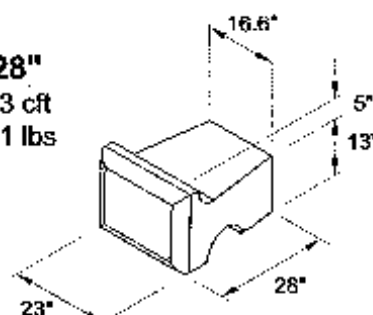
## Top - 28"

Volume = 8.55 cft  
Weight = ±1223 lbs  
C of G = 15.06"



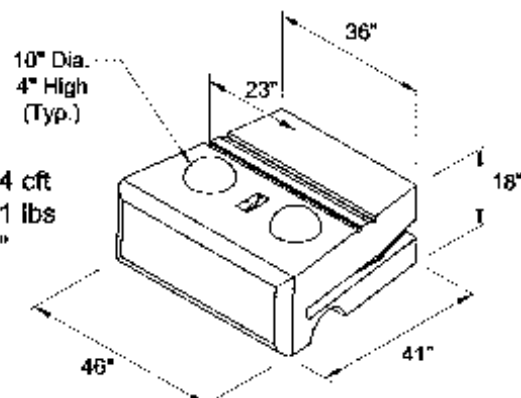
## Half Top - 28"

Volume = 4.13 cft  
Weight = ±591 lbs



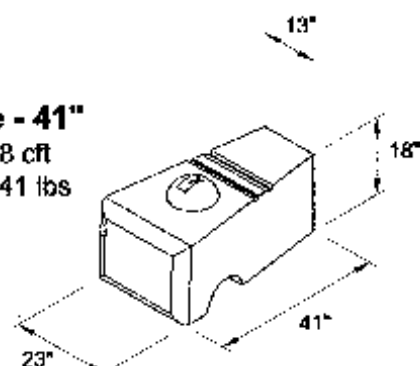
## Middle - 41"

Volume = 16.44 cft  
Weight = ±2351 lbs  
C of G = 20.92"



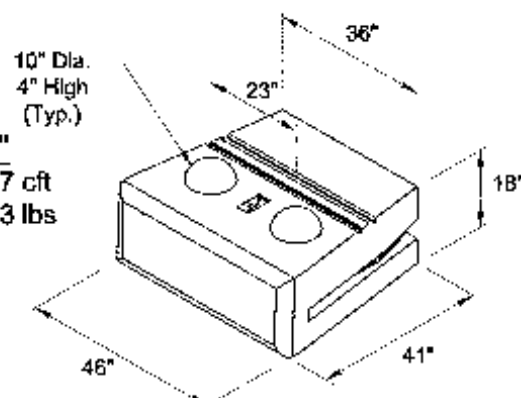
## Half Middle - 41"

Volume = 7.28 cft  
Weight = ±1041 lbs



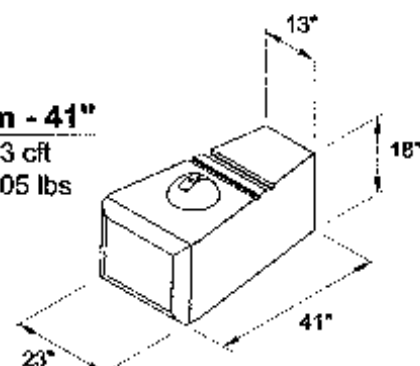
## Bottom - 41"

Volume = 17.37 cft  
Weight = ±2483 lbs  
C of G = 21.3"



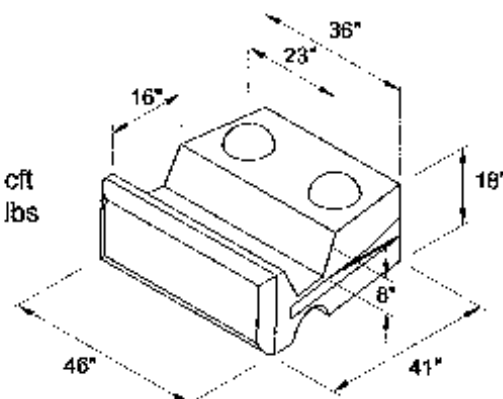
## Half Bottom - 41"

Volume = 7.73 cft  
Weight = ±1105 lbs



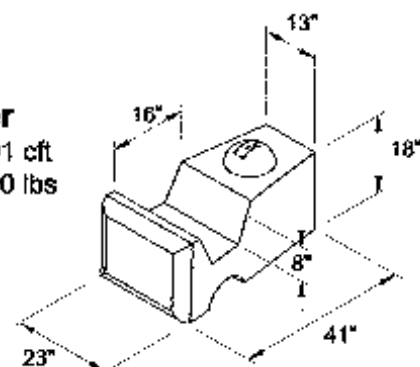
## Planter

Volume = 14.12 cft  
Weight = ±2020 lbs  
C of G = 19.35"



## Half Planter

Volume = 5.91 cft  
Weight = ±890 lbs



### NOTES:

Volume and Center of Gravity (C of G) calculations are based on the blocks as shown.

Center of Gravity is measured from the back of the block.

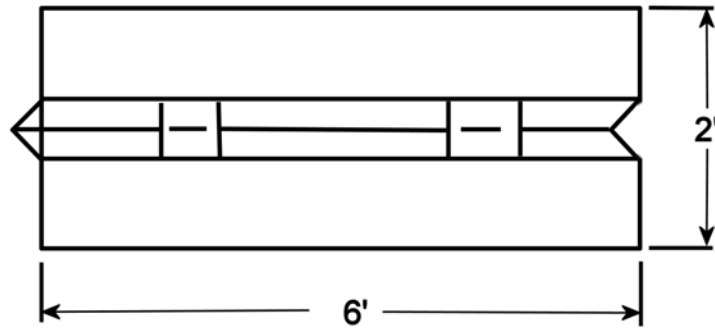
Half blocks include a fork lift slot on one side.

Actual weights and volumes will may vary.

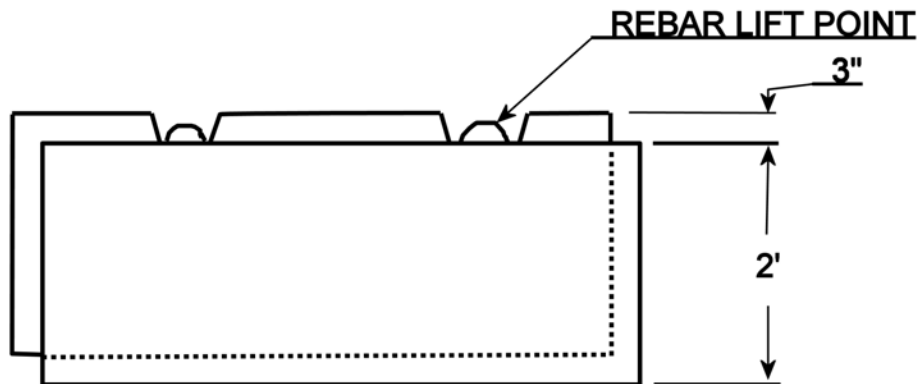
Weight shown is based on 143 pcf concrete.

DRAWN BY J. JOHNSON	12/28/06	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE 41in Series Blocks.dwg	REVISION
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

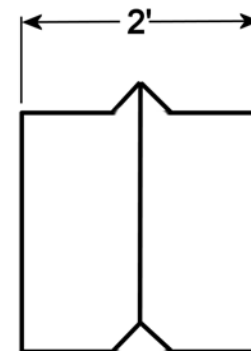




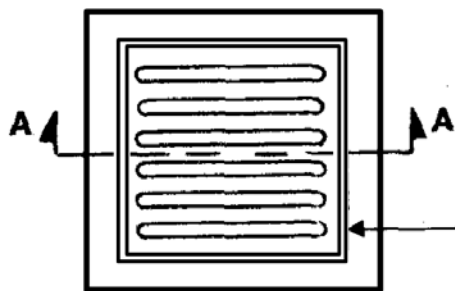
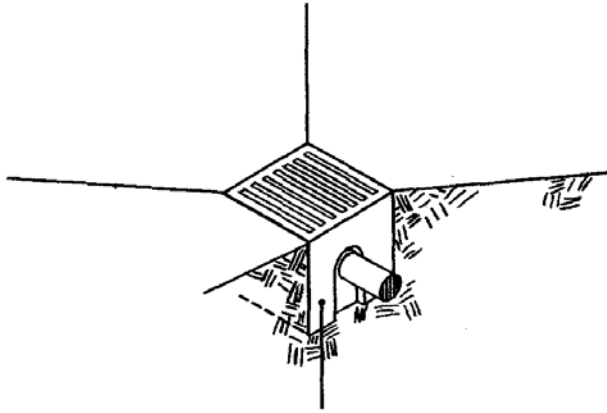
PLAN VIEW



LONGITUDINAL VIEW

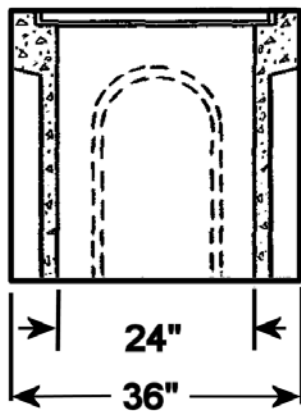


END VIEW

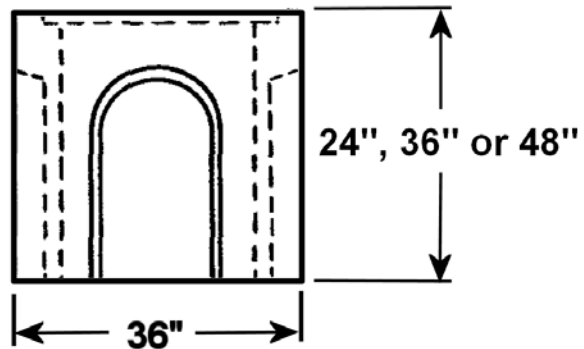


FABRICATED STEEL GRATE  
STANDARD OR HEAVY DUTY

PLAN VIEW



SECTION A - A



END VIEW

CHAPIN PRE-CAST  
560 CRAZY HORSE CANYON RD.  
SALINAS, CA 93907-8434  
(831) 630-1042  
(831) 630-5763 FAX

# FIELD CATCH BASIN

CR2412, CR2424,  
CR2436, CR2448

SCALE: N.T.S.

DATE 10-12-06

SHEET 1 OF 1

DRAWN CA

CHKD.