

FAMILY SUPPORT CENTER

A TRACT OF LAND BEING PART OF
FRACTIONAL SECTION 33,
TOWNSHIP 47 NORTH, RANGE 3 EAST,
O'FALLON, MISSOURI

CITY OF O'FALLON GENERAL NOTES

- Gas, water and other underground utilities shall not conflict with the depth or horizontal locations of existing and proposed sanitary and storm sewers, including house laterals.
- Underground utilities have been plotted from available information and, therefore, their locations must be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans, shall be the responsibility of the contractor and shall be located prior to grading or construction of improvements.
- Polyvinyl Chloride (PVC) shall conform to the requirements of ASTM D-3034 Standard Specifications for the PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings, SDR-35.
- Storm sewers 18" in diameter or smaller shall be ASTM C-14.
- Storm sewers 21" in diameter or larger shall be ASTM C-76, Class II.
- All storm sewer pipe under pavement, regardless of size, shall be reinforced concrete pipe (ASTM C-76, Class III) unless noted otherwise in the plans.
- Corrugated metal pipe shall conform to the standard specifications for corrugated culvert pipe M-36, A.A.S.H.T.O. See plans for gauge.
- All filled places under proposed roads, proposed sanitary and storm sewer lines, and/or paved areas including trench backfill shall be compacted 90% of maximum density as determined by the "Modified AASHTO T-180 Compaction Test" or 95% of maximum density as determined by the Standard Proctor Test. AASHTO T-180 fill shall be in proposed roads where compacted from the bottom of the fill up. All tests shall be verified by a soils engineer concurrent with grading and backfilling operations. Ensure the moisture content of the soil in fill areas is to correspond to the compactive effort as defined by the Standard or Modified Proctor Test. Optimum moisture content shall be determined using the same test that was used for compaction. Soil compaction curves shall be submitted to the City of O'Fallon prior to the placement of fill. Proof rolling may be required to verify soil stability at the discretion of the City of O'Fallon.
- All earthen filled places within State, County, or City roads (Highways) shall be compacted to 95% of maximum density as determined by the "Standard Proctor Test A.A.S.H.T.O. T-99" (ASTM D-698) unless otherwise specified by local governing authority specifications. All tests will be verified by a soils engineer.
- All storm and sanitary trench backfill shall be water jetted. Granular fill will be used under paved areas.
- Easements shall be provided for storm sewers, sanitary sewers, and all utilities on the record plot. See record plot for location and size of easements. This does not apply to house laterals.
- No area shall be cleared without the permission of the developer.
- All grades shall be within 0.2 feet (more or less) of those shown on the grading plan.
- No slope shall be steeper than 3° (horizontal) to 1° (vertical) sodded or seeded and mulched.
- Hazard markers will consist of three (3) standard specification, "Manual on Uniform Traffic Control Devices," end of roadway markers mounted on two (2) pound "U" channel sign post. Each marker shall consist of an eighteen (18) inch diamond reflectorized red panel. The bottom of each panel shall be mounted a minimum of four (4) feet above the elevation of the pavement surface.
- All manhole and curb inlet tops built without elevations furnished by the Engineer will be the responsibility of the sewer contractor. At the time of construction stakes for the sewer lines, all curb and grade inlets will be set staked. If any face stakes are left in place after sewer construction, the Engineer will set these stakes on a double offset. It shall be the responsibility of the sewer contractor to preserve all face stakes from destruction.
- All standard street curb inlets to have front of inlet 2 feet behind curb.
- The minimum vertical distance from the low point of the basement to the flowline of a sanitary sewer at the corresponding house connection shall not be less than the diameter of the sanitary sewer plus a vertical distance not less than two and one-half feet (2-1/2").
- Water lines, valves, sleeves, meters and etc., shall meet all specifications and installation requirements of the local governing authority. Water mains shall have a minimum of 42" of cover.

IMPROVEMENT PLANS



LOCATION MAP

"AS-BUILTS"
3-3-06

These "As-Built" Storm Sewer and Water plans, are based on actual field measurements conducted during January 2006 and the results are shown hereon.

By: *[Signature]* 1-31-06
JAMES R. CHERVER, P.L.S., #221
STATE OF MISSOURI
PICKETT-RAY & SILVER'S CORPORATE
REGISTRATION NO. ES-54-D
[Circular Seal]

BENCH MARKS
B.M. RM#727 (USGS) Sg. on north wingwall at east end of Mexico Rd.
over Dardene Creek
ELEVATION = 462.06
SITE BM I: "Sg." on the concrete base of the west gate post at the
center entrance to Fort Zumwalt North High School
40'± south of the centerline of Tom Ginnever Ave.
ELEVATION = 497.89

PICKETT RAY & SILVER

Civil Engineers
Planners
Land Surveyors

333 Mid Rivers Mall Dr.
St. Peters, MO 63376
397-1211 FAX 397-1104

DRAWING INDEX

Sheet	Description
1	COVER SHEET
2	SITE PLAN
3	GRADING PLAN
4	DRAINAGE AREA MAP
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7	WATER DETAILS
8	SEDIMENT CONTROL PLAN
E-1	LIGHTING PLAN

LEGEND

● Sanitary Sewer (Proposed)	R.C.P.	Reinforced Concrete Pipe
○ Sanitary Sewer (Existing)	C.M.P.	Corrugated Metal Pipe
- - - Storm Sewer (Proposed)	C.I.P.	Cast Iron Pipe
— Storm Sewer (Existing)	P.V.C.	Polyvinyl Chloride
— Water Line & Size	V.C.P.	Vitrified Clay Pipe
— Existing water line		
● Double Water Meter Setting		
○ Single Water Meter Setting	C.O.	Clean Out
● Hydrant	V.T.	Vent Trap
— Cap	S.C.I.	Skewed Curb Inlet
18 Lot or Building Number	T.B.R.	To Be Removed
— Existing Fence Line	D.C.I.	Double Curb Inlet
G.I. Grate Inlet	T.B.R.&R	
A.I. Area Inlet	T.B.P.	To Be Protected
D.A.I. Double Area Inlet	T.B.A.	To Be Abandoned
C.C. Concrete Collar	B.C.	Base Of Curb
F.E. Flared End Section	T.C.	Top Of Curb
E.P. End Pipe	T.W.	Top Of Wall
E.D. Energy Dissipator	B.W.	Base Of Wall
M.H. Manhole	(TYP)	Typical
C.P. Concrete Pipe	U.N.O.	Unless Noted Otherwise
	U.I.P.	Use In Place

NEW BUILDING FOR
FAMILY SUPPORT
SERVICES

105 Crossings Industrial Court
O'Fallon, Missouri

DESCRIPTION:

PLANNING & ZONING	0/01/04
PERMITTING	11/12/04
PERMIT ISSUED	04-12-05
PERMIT EXPIRED	05-02-05

Issue Date: 12/13/04

Job Number: 01217TRUJ00C

Drawn By: D.L.S.

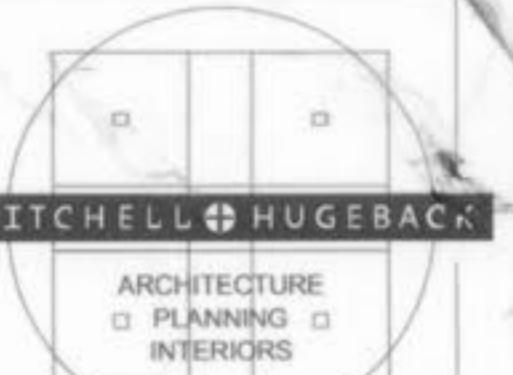
Checked By: D.M.B.

Drawing Title: COVER SHEET

C-1

FILE #4604.01

Family Support Center As-Builts

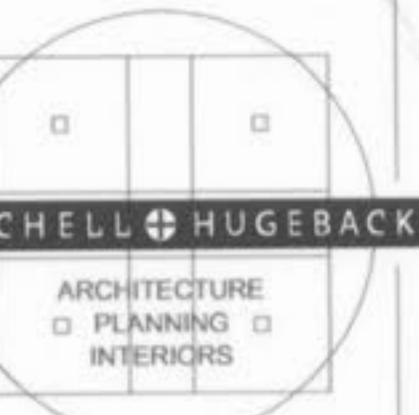


1215 Woodlawn Executive, Suite 300
Cave Creek, Missouri 63141-8001
314.878.3500 phone 314.878.3500 fax
www.mharch.com

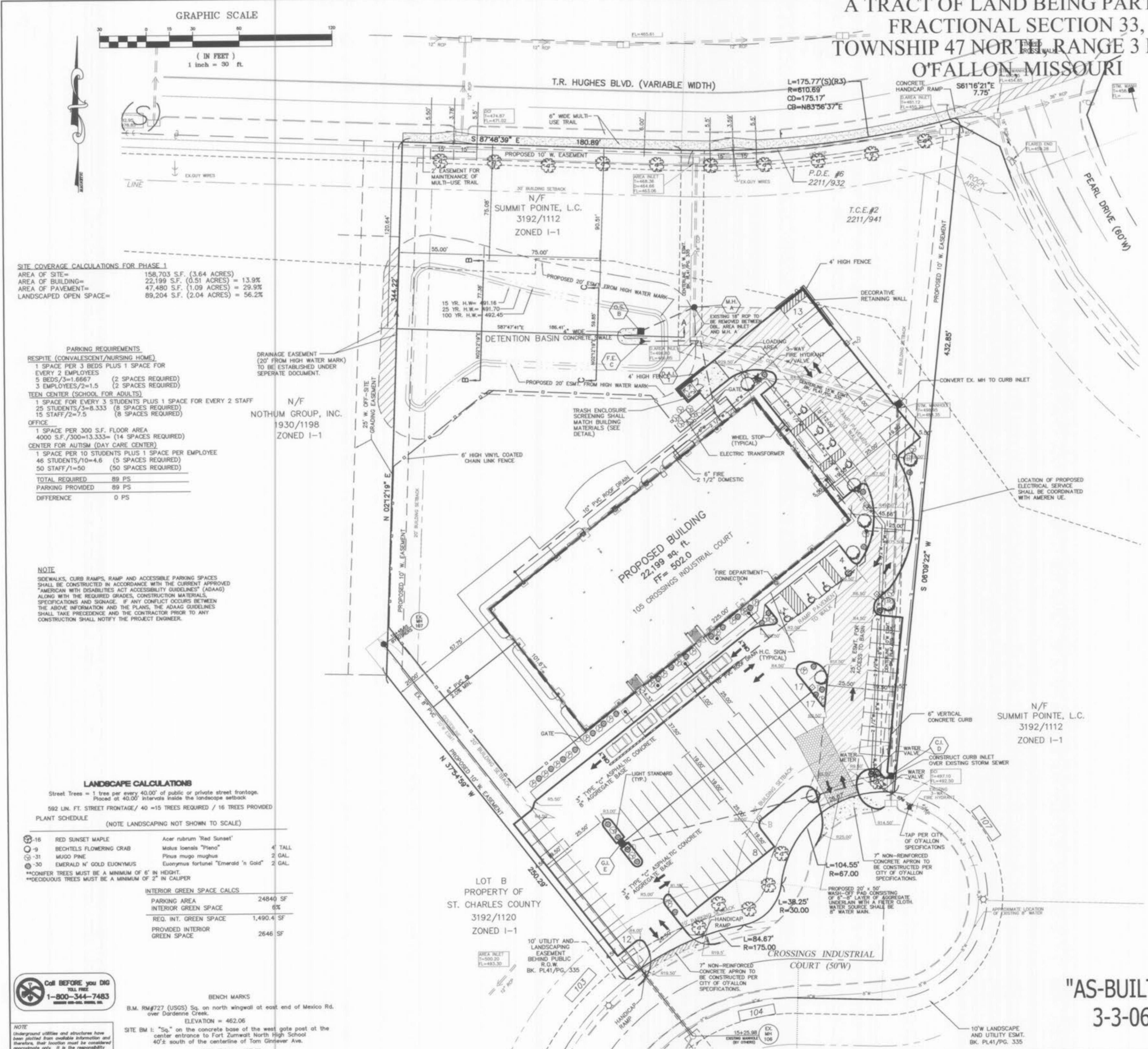
CONSULTANTS:
C.R.E.:
PICKETT RAY & SILVER
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St. Peters, Missouri 63376
636.397.1211
636.397.1104 fax
Structural
MEP / Fire Protection:
HEDGES ASSOCIATES, INC.
13540 Belmont Parkway Drive
314.822.2217
314.822.7858 fax

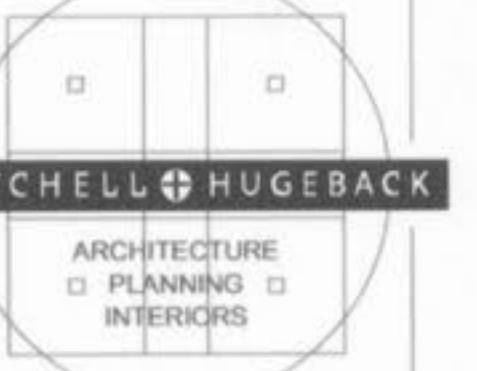
Unconditional guarantee to the Owner that the work contained herein is in accordance with the plans and specifications.

pg1



A TRACT OF LAND BEING PART OF FRACTIONAL SECTION 33, TOWNSHIP 47 NORTH, RANGE 3 EAST, O'FALLON MISSOURI





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Structur
MEP / Fire Protection:
HEIDMAN ASSOCIATES INC.
13545 Barrett Parkway Drive
314.822.2217
314.822.7886 fax

105 Crossings Industrial Court
O'Fallon, Missouri

NEW BUILDING FOR FAMILY SUPPORT SERVICES

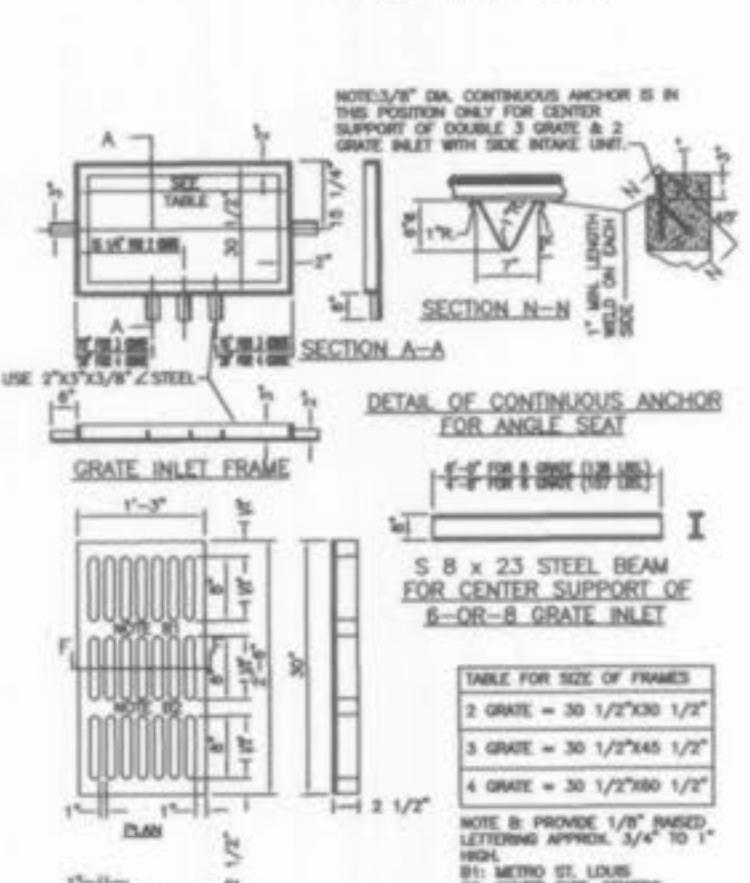
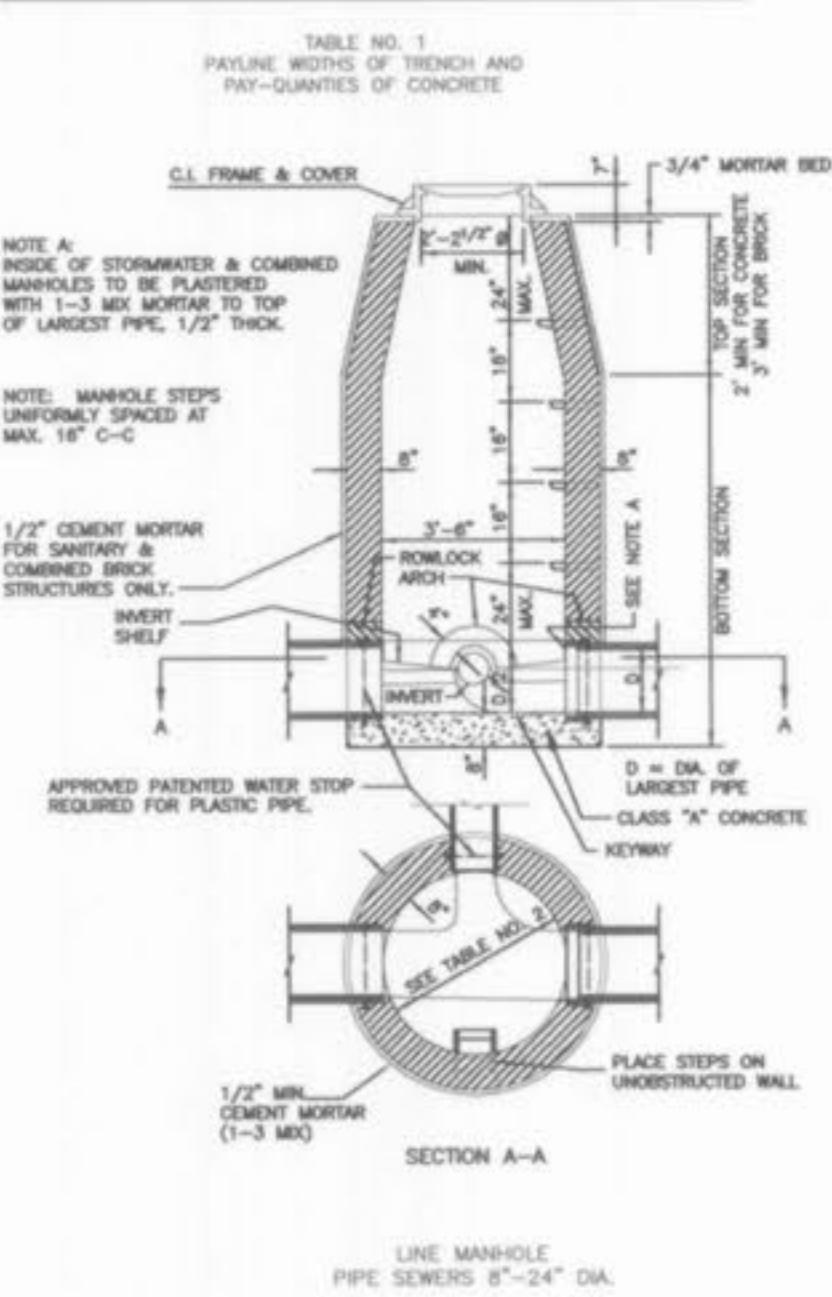
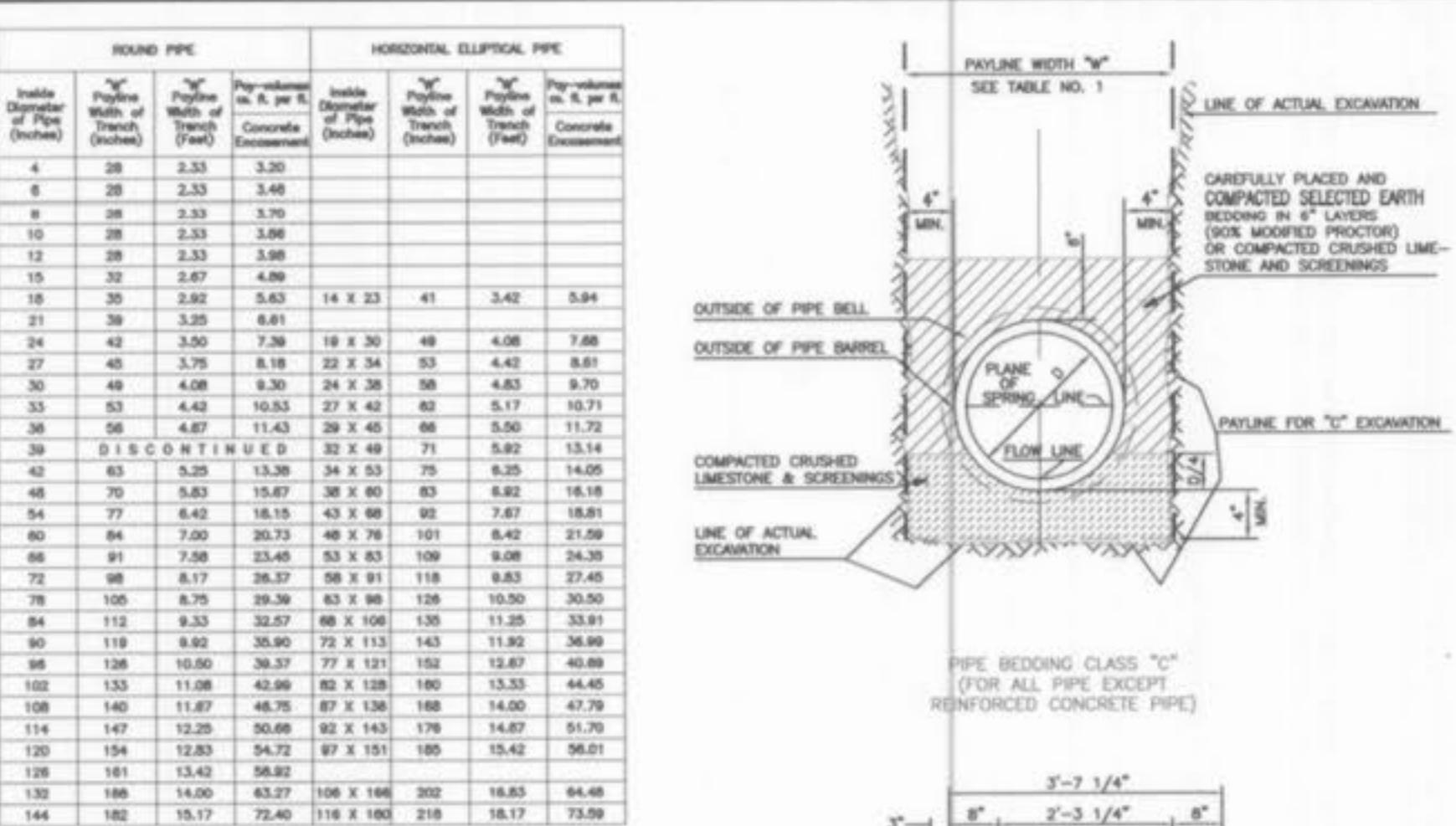
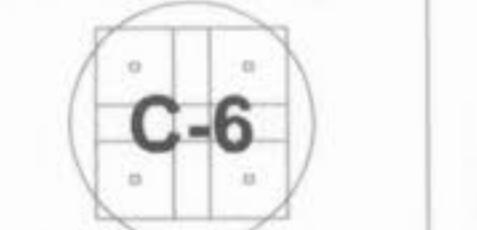
"AS-BUILT'S" 3-3-06

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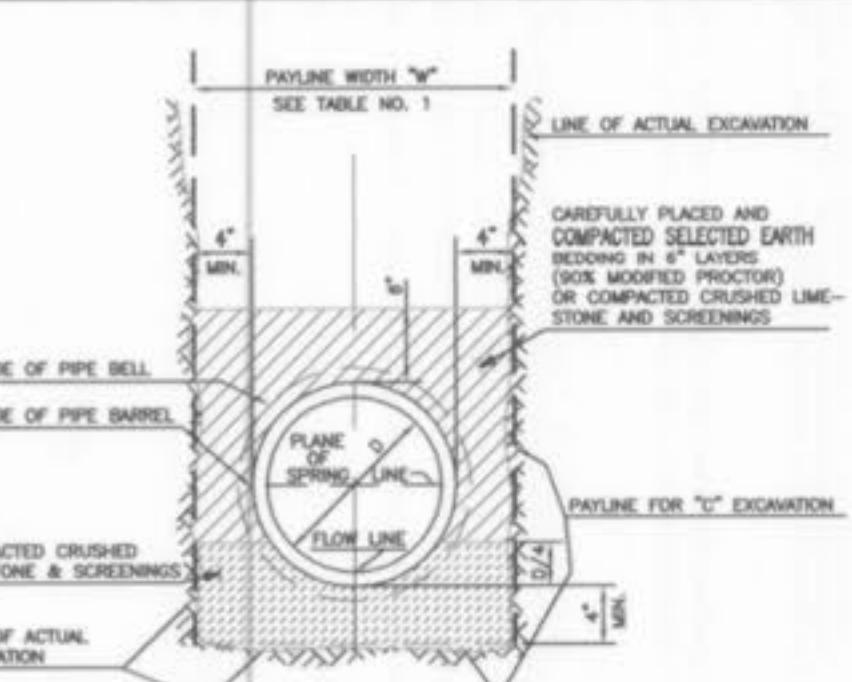
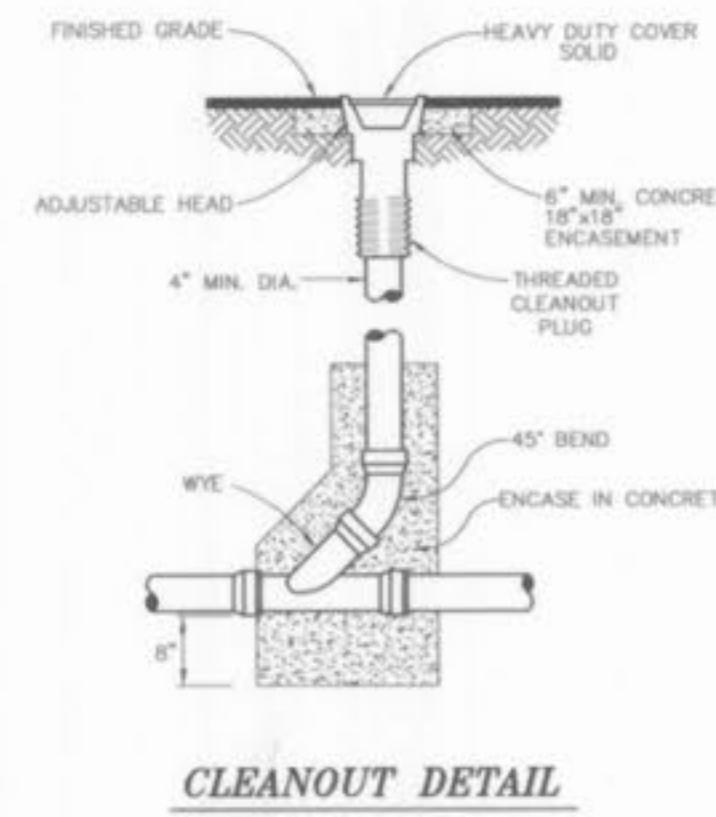
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PRICING PACKAGE	11/17/04
PERMITTING	12/01/04
PER O'FALLON	02/27/05
"AS-BUILTS"	3-03-06
REVISED "AS-BUILTS"	8-21-06

Issue Date: 12/13/04
Job Number: 01212.198.000
Drawn By: D.L.S.
Checked By: D.W.B.

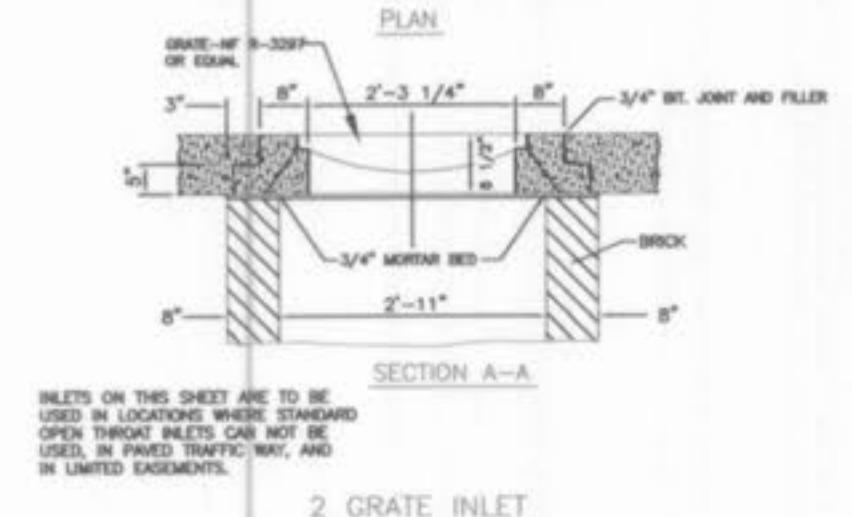
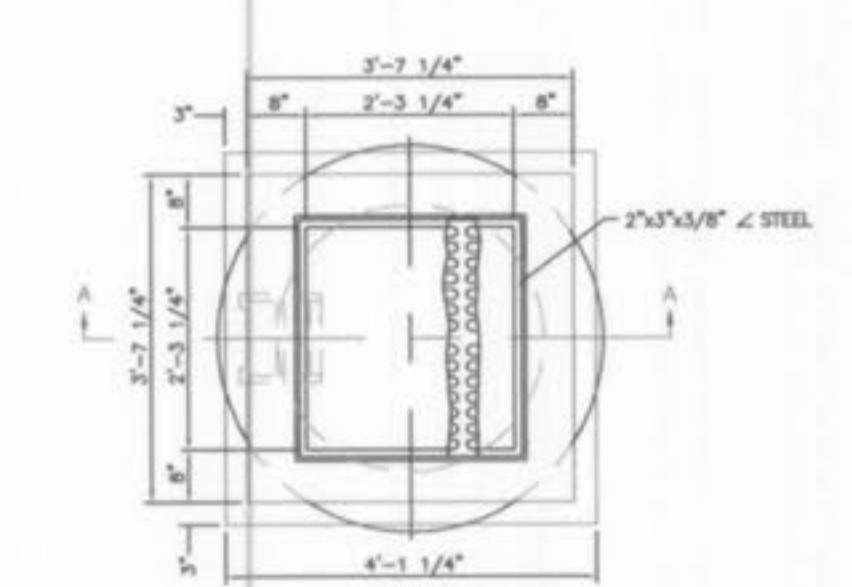
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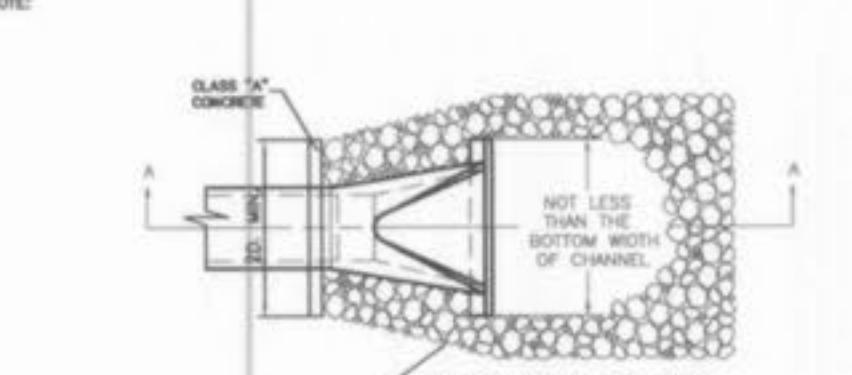
DETAILS OF INLET FRAME AND GRATES



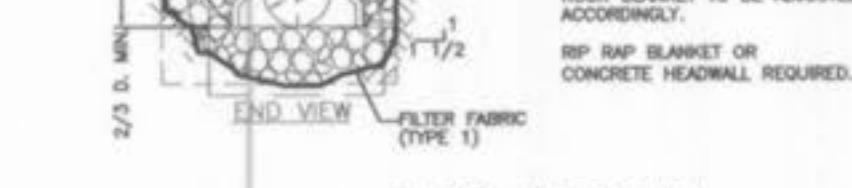
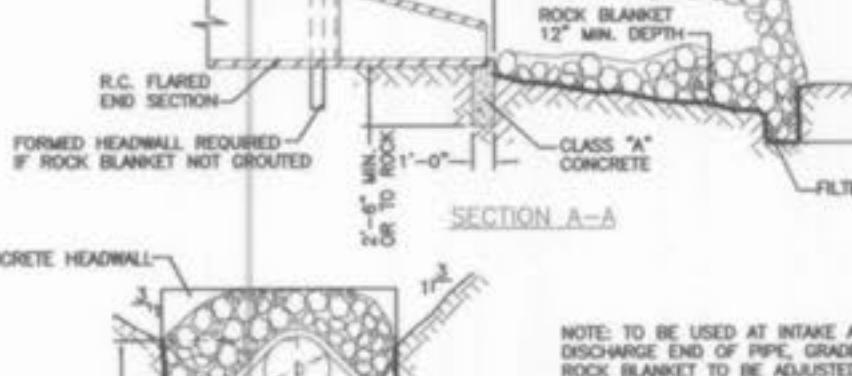
PIPE BEDDING CLASS "C"
(FOR ALL PIPE EXCEPT
REINFORCED CONCRETE PIPE)



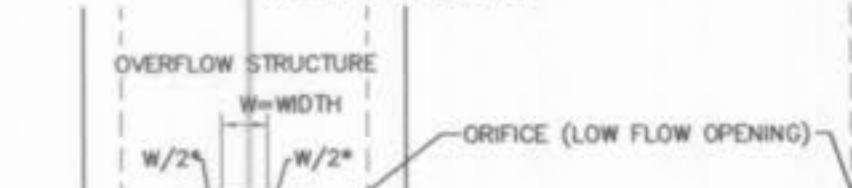
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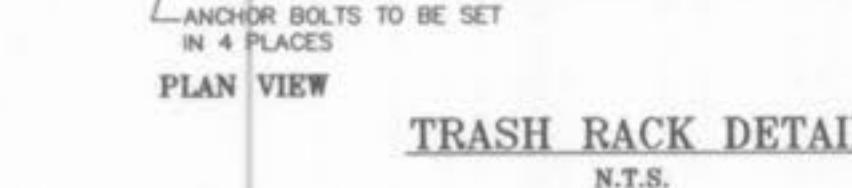
SECTION A-A



SECTION A-A



SECTION A-A



SECTION A-A



SECTION A-A

SECTION