

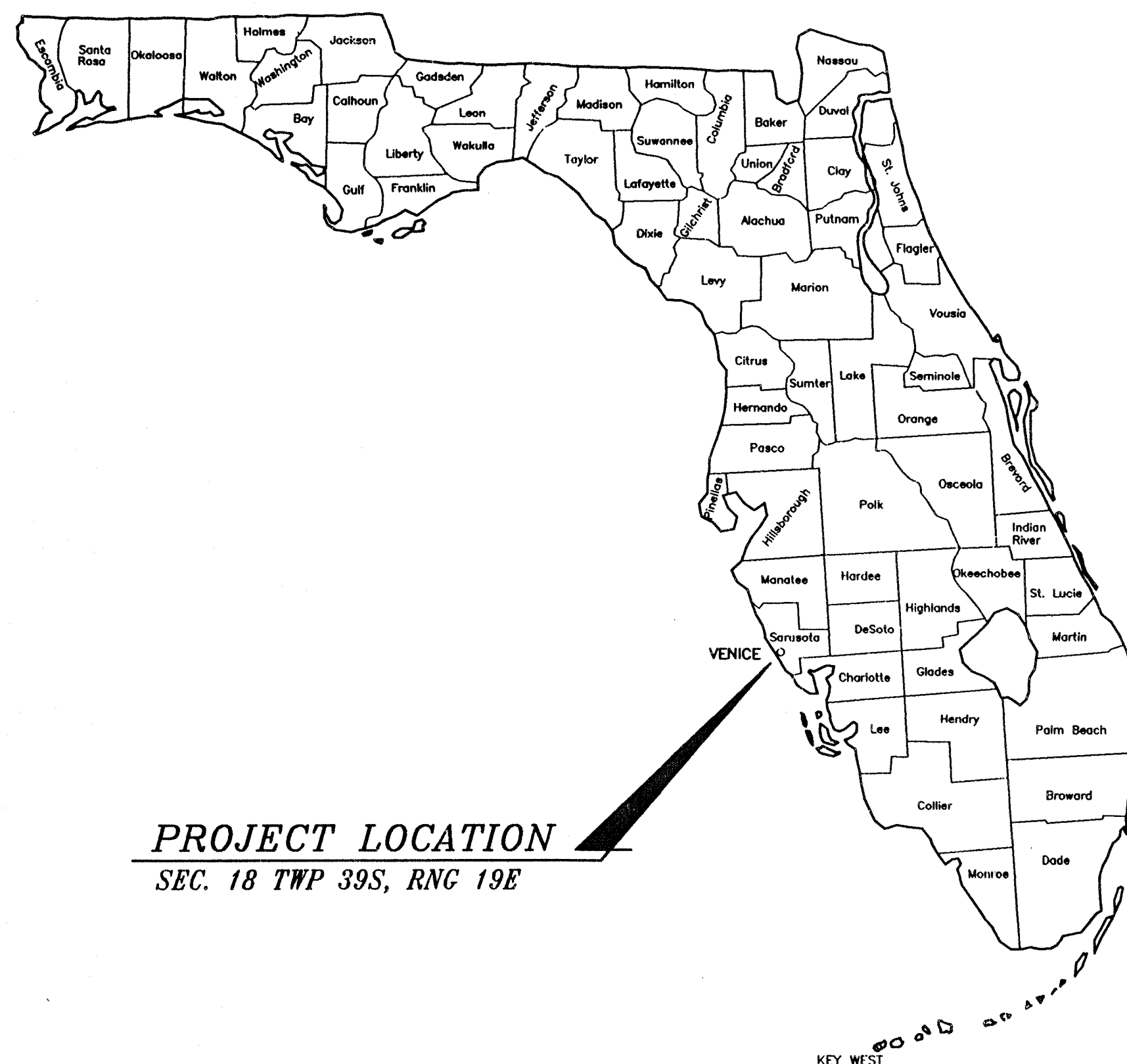
VENICE

CONSTRUCTION PLANS FOR:

PUBLIX SUPER MARKETS, INC.
VENICE SHOPPING CENTER (STORE # 068)
VENICE, FLORIDA

SITE ADDRESS:

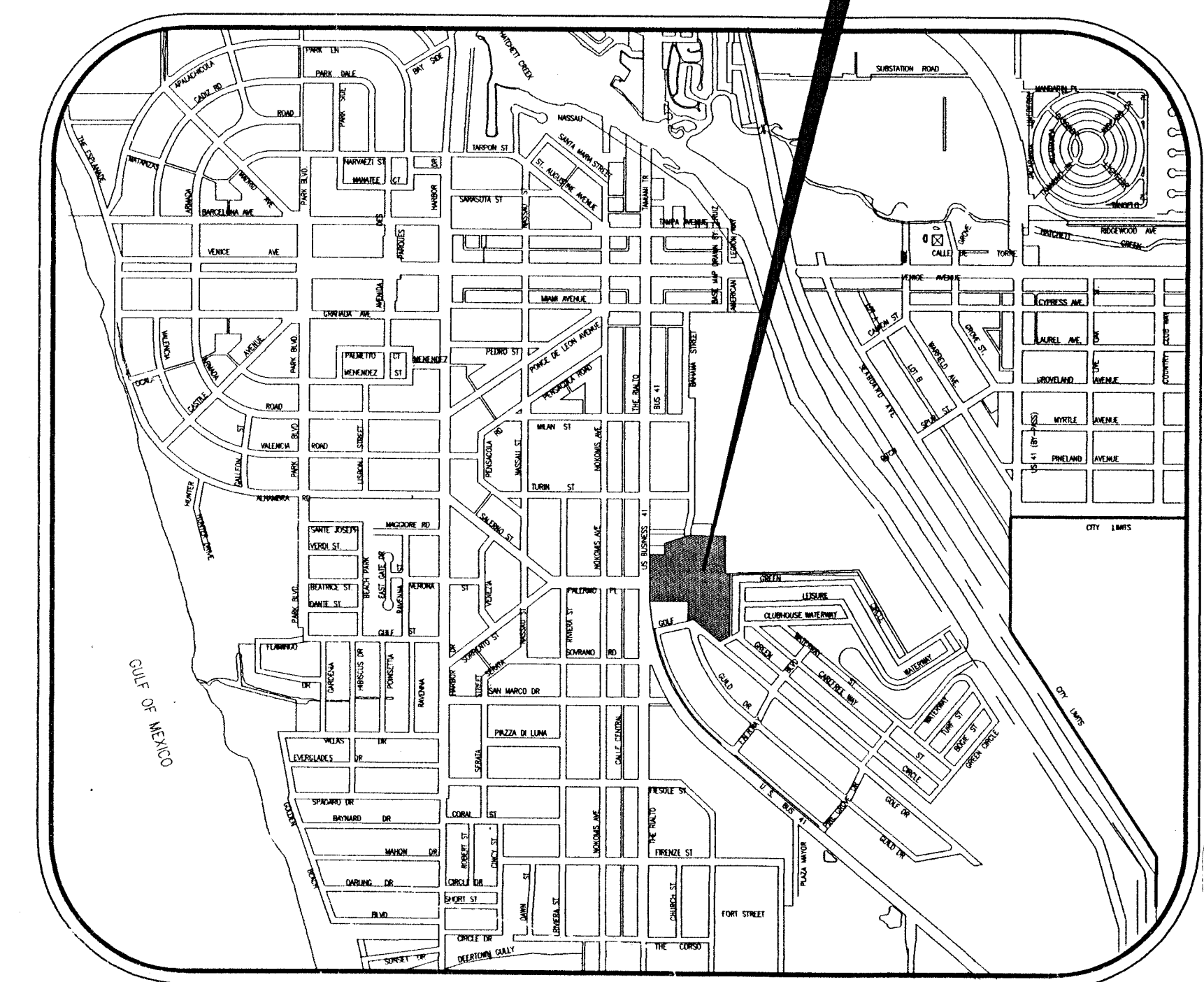
535 TAMiami TRAIL S., VENICE, FL.



PROJECT LOCATION
SEC. 18 TWP 39S, RNG 19E

I N D E X

- SH 1 DEMOLITION PLAN
- SH 2 MASTER SITE PLAN
- SH 3 SITE PAVING, GRADING AND UTILITY PLAN
- SH 4 SITE PAVING, GRADING AND UTILITY PLAN
- SH 5 MISCELLANEOUS DETAILS AND NOTES
- SH 6 LINEAR PARK



VICINITY MAP

engineers — architects — surveyors — scientists



chastain
skillman
incorporated

Lakeland
Sebring
Tampa
Atlanta

Bus. No. EB262

Lakeland : 4705 Old Highway 37, P.O. Box 5710 (863) 646-1402

Engineer: Kenneth R. Thiele

Reg. No. 30279

D: \dwg\735302\735302MS Wed Dec 20 12:01:23 2000 A.P.

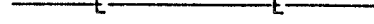
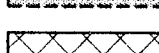
NOTE:
NEW WATER SERVICES TO BE INSTALLED AND EXIST. 4" W.M.
TO BE ABANDONED BEFORE STARTING DEMOLITION.
(SEE SHEET 3 FOR DETAILS)

DEMOLITION NOTES

- A. Obtain permits from local authority
- B. Perform demolition in accordance with applicable authorities having jurisdiction.
- C. Provide, erect and maintain barricades, lighting, and guard rails as needed to protect general public, workers, and adjoining property.
- D. Completely demolish structures and appearances in an orderly and careful manner. Remove materials from site.
- E. Cease operations and notify Architect/Engineer immediately if safety of adjacent structures and personnel to be endangered. No excavations to properly support structures. Do not resume operations until safety is restored.
- F. Repair demolition performed in excess of that required, at no cost to the Owner.
- G. Pump out buried tanks. Remove tanks and service piping from site.
- H. Remove from site, contaminated, vermin infested, or dangerous materials encountered and disposed of by the contractor at no danger health of workers and public.
- I. Backfill all areas excavated as a result of demolition
- J. Remove demolished materials, tools and equipment of work. Leave site in condition acceptable to Architect/Engineer.
- K. Place markers to indicate location of disconnected services. Identify service lines and capping locations on Project Record Drawings.

NOTE:
ALL PROPOSED DATA ILLUSTRATED BY THIS LETTERING TYPE.
ALL EXISTING DATA ILLUSTRATED BY THIS LETTERING TYPE.

LEGEND

- | | |
|---|---------------------------------|
|  | EXISTING WATER MAIN |
|  | EXISTING OVERHEAD UTILITY |
|  | EXISTING U.C. ELECTRIC |
|  | EXISTING U.G. COMMUNICATION |
|  | EXISTING SANITARY SEWER |
|  | EXISTING STORM SEWER |
|  | EXISTING SANITARY SEWER M.H. |
|  | EXISTING WATER VALVE |
|  | EXISTING FIRE HYDRANT |
|  | EXISTING WATER METER |
|  | EXISTING POLE W/ LAMP |
|  | EXISTING SIGN |
|  | EXISTING UTILITY POLE |
|  | EXISTING ANCHOR |
|  | FOR ITEMS TO BE REMOVED |
|  | FOR EXISTING TO REMAIN |
|  | UTILITY TO BE REMOVED/ABANDONED |
|  | (FOR ITEMS TO BE REMOVED) |
|  | (BUILDINGS TO BE REMOVED) |

NOTE:

CONTRACTOR RESPONSIBLE TO REPAIR ANY ACTIVE UNDERGROUND UTILITY OR INFRASTRUCTURE IMPROVEMENT DAMAGED DURING DEMOLITION OR CONSTRUCTION OF PROPOSED IMPROVEMENTS. ENGINEER AND CITY WILL DETERMINE IF A DAMAGED UTILITY OR INFRASTRUCTURE IMPROVEMENT IS ACTIVE.

B **chastain**
skillman
incorporated

engineers — architects — surveyors — scientists

Lakeland
Sebring
Tampa
Atlanta

Eng. Bus.

REV. PER PUBUX FACILITIES
ISSUE FOR PUBUX REVIEW
REV. LIGHTING PLAN FOR PARKING LOT
REV. PER CITY COMMENTS
REMARKS - SUBMITTAL

REVISED DATE	
02	24
REVISION NO.	
AWN BY	Puckey
AD FILE	735302MS.DWG
V.	DATE
P5	12/20/00

SCALE
 $1" = 40'$

**PUBLIX SUPER MARKETS, INC.
VENICE SHOPPING CENTER (STORE # 068)
535 TAMiami TRAIL S., VENICE, FLORIDA**

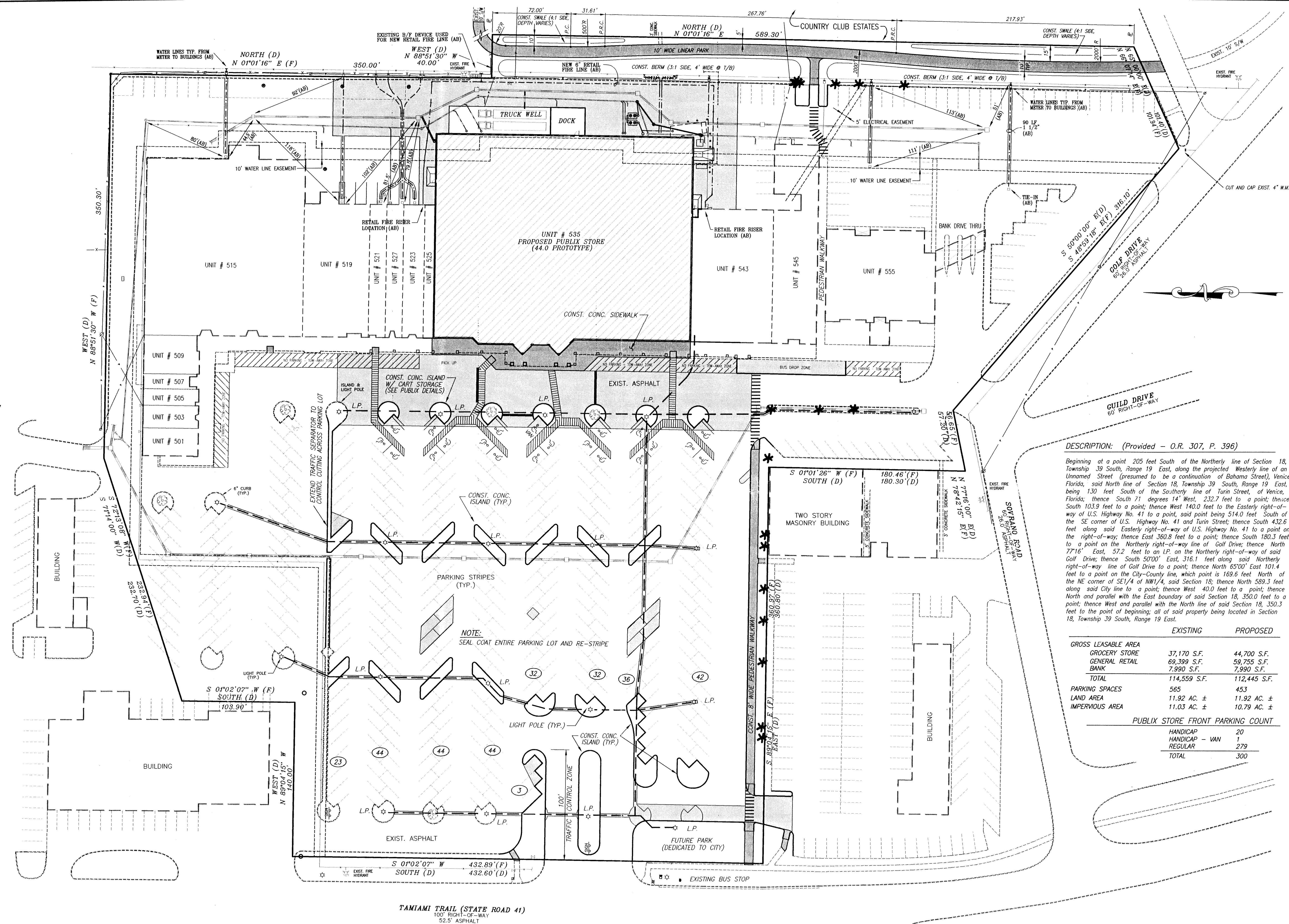
DEMOLITION PLAN

COPYRIGHT © 2000

ENGINEER:
KENNETH R. THIELE
REG. NO. 70270

DRAWING NO

DCL 7353.02-1



DESCRIPTION: (Provided - O.R. 307, P. 396)

Beginning at a point 205 feet South of the Northern line of Section 18, Township 39 South, Range 19 East, along the projected, Westerly line of an Unnamed Street (presumed to be a continuation of Bahama Street), Venice, Florida, said North line of Section 18, Township 39 South, Range 19 East, being 130 feet South of the Southerly line of Turin Street, of Venice, Florida; thence South 71 degrees 14' West, 232.7 feet to a point; thence South 103.9 feet to a point; thence West 140.0 feet to the Easterly right-of-way of U.S. Highway No. 41 to a point, said point being 514.0 feet South of the SE corner of U.S. Highway No. 41 and Turin Street; thence South 432.6 feet along said Easterly right-of-way of U.S. Highway No. 41 to a point on the right-of-way; thence East 360.8 feet to a point; thence South 180.3 feet to a point on the Northern right-of-way line of Golf Drive; thence North 77'16" East, 57.2 feet to an L.P. on the Northern right-of-way of said Golf Drive; thence South 50'00" East, 316.1 feet along said Northern right-of-way line of Golf Drive to a point; thence North 65'00" East 101.4 feet to a point on the City-County line, which point is 169.6 feet North of the NE corner of SE1/4 of NW1/4, said Section 18; thence North 589.3 feet along said City line to a point; thence West 40.0 feet to a point; thence North and parallel with the East boundary of said Section 18, 350.0 feet to a point; thence West and parallel with the North line of said Section 18, 350.3 feet to the point of beginning; all of said property being located in Section 18, Township 39 South, Range 19 East.

	EXISTING	PROPOSED
GROSS LEASABLE AREA		
GROCERY STORE	37,170 S.F.	44,700 S.F.
GENERAL RETAIL	69,399 S.F.	59,755 S.F.
BANK	7,990 S.F.	7,990 S.F.
TOTAL	114,559 S.F.	112,445 S.F.
PARKING SPACES	565	453
LAND AREA	11.92 AC. ±	11.92 AC. ±
IMPERVIOUS AREA	11.03 AC. ±	10.79 AC. ±
PUBLIX STORE FRONT PARKING COUNT		
HANDICAP		20
HANDICAP - VAN		1
REGULAR		279
TOTAL		300

engineers - architects - surveyors - scientists

chastain skillman incorporated

Lakeland
Sebring
Tampa
Atlanta

Ex. Bldg.
No. EB282 Lakeland - 4705 Old Highway 37, P.O. Box 5710, FL 33807-5710 (863) 646-1402

11/27/01 REV. AS-BUILTS PER CITY COMMENTS

11/19/01 WATER AND SEWER AS-BUILTS

10/30/01 REV. STORE FRONT SIDEWALKS

10/24/01 ADD DRIVEWAY TO C.O.C.

10/24/01 REV. PER FIRE SPRINKLER CONNECTION FOR EXIST. BLDGS.

10/24/01 REV. PER PUBLIX FACILITIES

10/24/01 REV. PER PUBLIX COMMENTS

9/22/00 ISSUE FOR PUBLIX REVIEW

9/25/00 REV. LIGHTING PLAN FOR PARKING LOT

8/17/00 REV. PER CITY COMMENTS

REVISION NO.

DRAWN BY: *Frederick*

ACAD FILE: 735302MS.DWG

REV. DATE

P13 11/27/01

SCALE: 1" = 40'

PUBLIX SUPER MARKETS, INC.

VENICE SHOPPING CENTER (STORE # 068)

535 TAMIA MI TRAIL S., VENICE, FLORIDA

MASTER SITE PLAN

COPYRIGHT © 2000

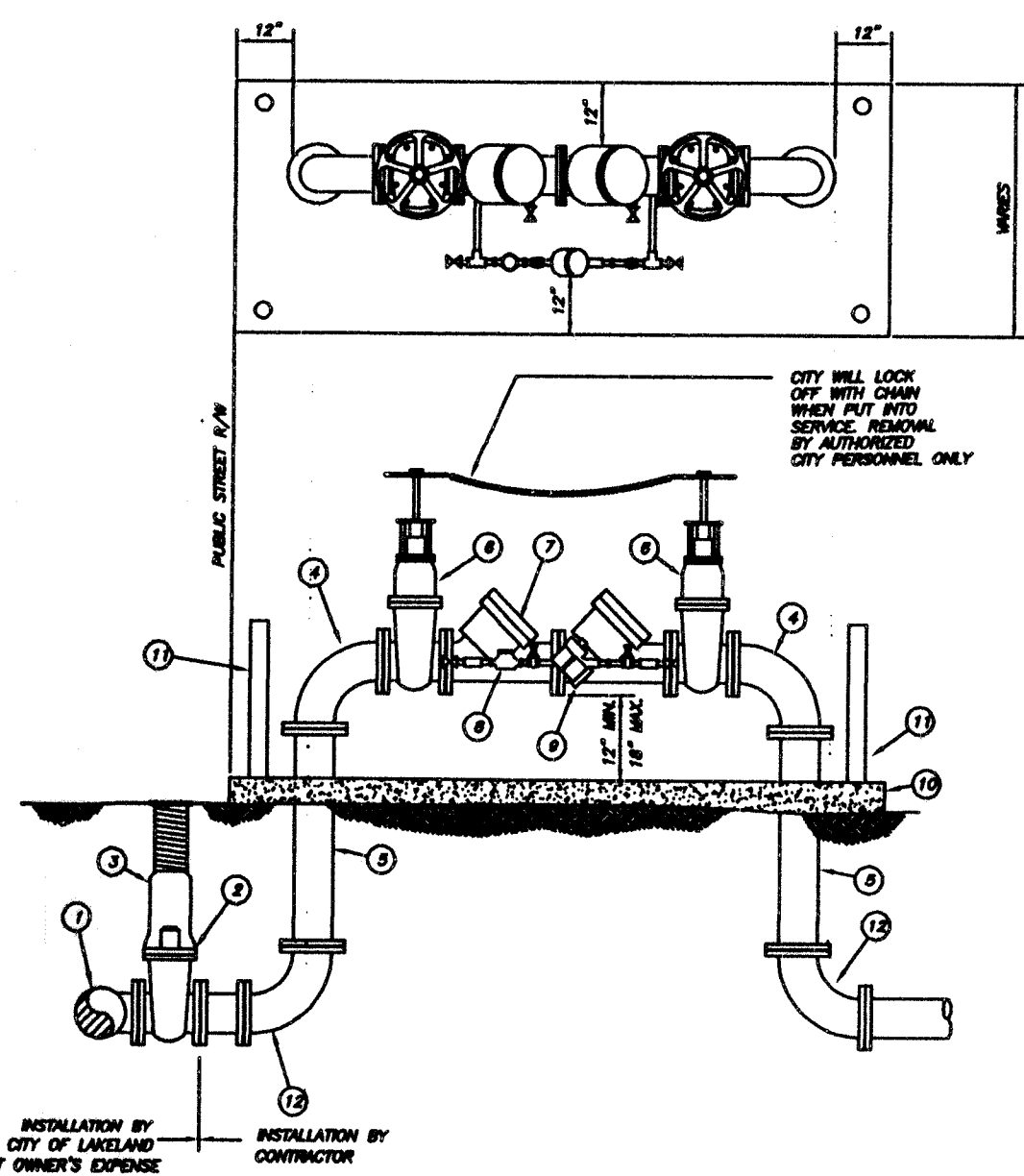
"AS-BUILT"

ENGINEER: KENNETH R. THELF

REG. NO. 30279

DRAWING NO.

DCL 7353.02-2



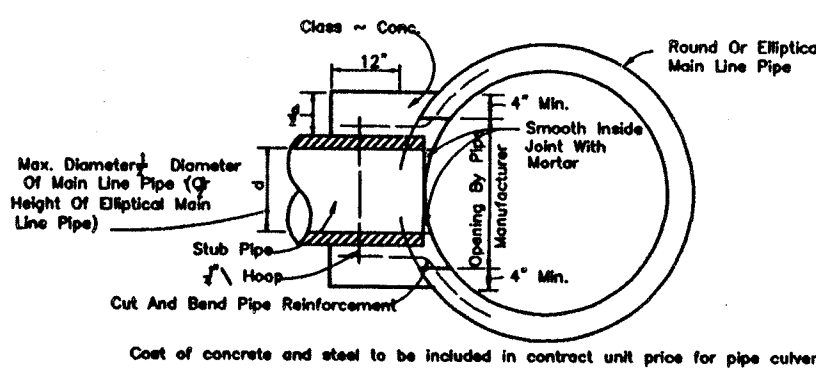
SINGLE BACKFLOW PREVENTER INSTALLATION
DOUBLE CHECK OR REDUCED PRESSURE
SINGLE SERVICE: 3/4", 1", 1 1/2", 2"

ITEM	QUANT.	DESCRIPTION
1	1	EXISTING CITY MAIN
2	1	SHIPPING BOX, INSTALLED BY CITY
3	1	VALVE BOX, INSTALLED BY CITY
4	2	8" ELBOW, FLANGED/FLANGED
5	2	CUT TO FIT
6	2	8" ELBOW, FLANGED/FLANGED
7	1	3/4" DETECTOR METER
8	1	3/4" BACKFLOW PREVENTER
9	1	4" CONCRETE SLAB
10	1	4" CONCRETE SLAB
11	1	4" CONCRETE SLAB
12	2	8" ELBOW FLANGED ON M WITH RETURN GLAND

- GENERAL NOTES:**
- ALL PIPE PENETRATIONS THROUGH CONCRETE PADS MUST BE WELDED IN POLYETHYLENE.
 - PORTS TO BE SIZED AND INSTALLED PER LATEST CITY SPECIFICATIONS.
 - EXISTENT SHALL PROVIDE AS REQUIRED BY CITY OF LAKELAND.

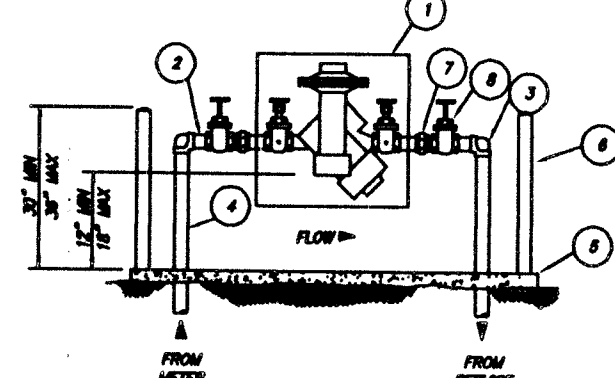
BACKFLOW PREVENTER INSTALLATION
FOR FIRE PROTECTION SYSTEMS

N.T.S.



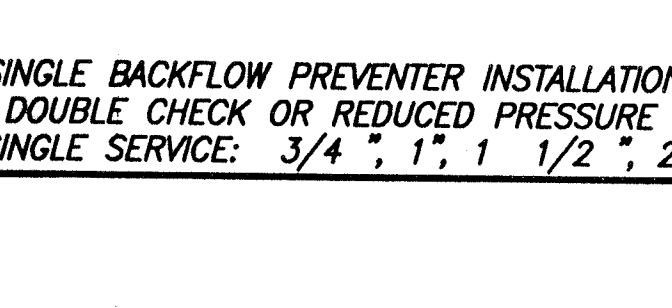
CONCRETE COLLAR FOR JOINING
MAINLINE PIPE AND STUB PIPE

SEE D.O.T. INDEX 280
N.T.S.



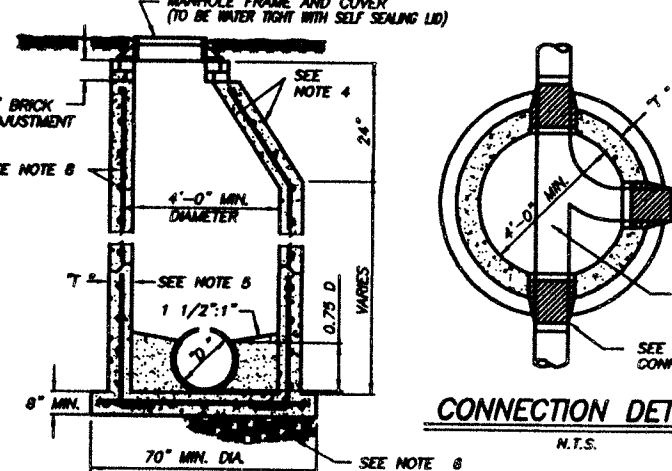
ITEM	QUANT.	DESCRIPTION
1	1	2" BACKFLOW PREVENTER ASSEMBLY W/ IN/OUT
2	1	2" VALVE W/ TEST COCK
3	1	2" 90° ELBOW - GALVANIZED
4	2	2" WARES RISER PIPE - GALVANIZED
5	1	2" CONCRETE SLAB
6	1	2" CONCRETE SLAB
7	2	2" TIE RODS, GALVANIZED
8	2	2" DRAIN VALVES

- GENERAL NOTES:**
- INSTALLATION SHALL BE IN ACCORDANCE WITH THE CITY OF LAKELAND SPECIFICATIONS.
 - ALL PIPE PENETRATIONS THROUGH CONCRETE PADS MUST BE WELDED IN POLYETHYLENE.
 - PORTS TO BE SIZED PER LATEST CITY SPECIFICATIONS.
 - RPFS < 4" REQUIRE F.T. TESTS
 - RPFS > 4" REQUIRE F.T. TESTS



CONNECTION DETAIL

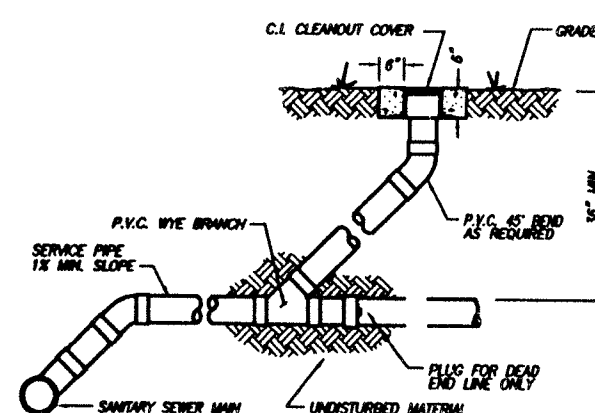
N.T.S.



- NOTES:**
- MANHOLE SHALL CONFORM TO ASTM C478 WITH 4000 PSI TYPE 2 CONCRETE.
 - CONCRETE SHALL BE EITHER CONCRETE OR ECCRETE.
 - BASE SHALL BE A MINIMUM OF 4" AND PRE-CAST WITH BOTTOM SECTION.
 - TWO COATS OF 8 DRY MILS FOR A MINIMUM OF 18 MILS TOTAL DRY THICKNESS.
 - PAINTING AND COATING OF PORTLAND CEMENT SHALL BE IN ACCORDANCE WITH THE CITY OF LAKELAND SPECIFICATIONS.
 - MANHOLE SHALL THICKNESS 12" MIN. PER INCH DIAMETER (6") GREATER THAN 6".
 - 8" REINFORCING BARS 2 OR 3 COMPACTED TO USE.
 - ALL PORTIONS OF THE CITY'S STANDARDS FOR WASTEWATER SYSTEM CONSTRUCTION SHALL BE FOLLOWED.
 - ONE CASE (9" Ø) 12" CTR. BOTH WAYS, IN CENTER 1/3 OF CONCRETE WALL.
 - FOR MANHOLES OF 12" CTR. OR GREATER, REFER TO CITY OF LAKELAND SPECIFICATIONS FOR MANHOLE DESIGN DETAILS. SEE D.O.T. INDEX 280.

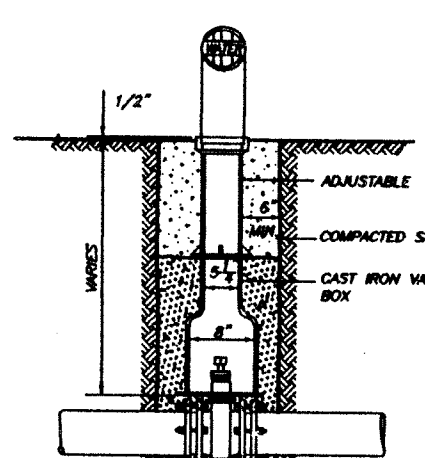
PRECAST MANHOLE

N.T.S.



SANITARY SEWER CLEAN-OUT DETAIL

N.T.S.

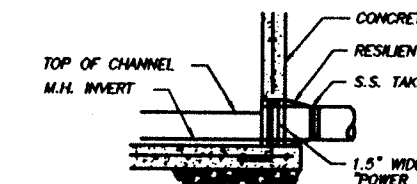


TYPICAL CAST IRON VALVE BOX

N.T.S.

GENERAL NOTES

- All materials and workmanship shall conform to the Florida Department of Transportation specifications (latest edition) and City of Venice regulations.
- Locations, elevations, and dimensions of existing utilities, structures, and other features are shown according to the best information available at the time of preparation of these plans. The Contractor shall verify the locations, elevations, and dimensions of all existing utilities, structures, and other features affecting this work prior to construction.
- The Contractor shall use extreme caution in areas of buried utilities and shall provide at least 48 hours notice to the utility companies prior to construction to obtain field locations of existing underground utilities. The Contractor shall protect and maintain operation of existing underground utilities. The Contractor shall notify the engineer performing any work in the affected area.
- The Engineer (CHASTAIN-SKILLMAN, INC.) shall be notified as to where existing utility services interfere with the proposed construction.
- The Contractor is responsible for repairing any damage to existing facilities, above or below ground, that may occur as a result of the work performed by the Contractor.
- All underground utilities must be in place and tested or inspected prior to base and surface construction.
- Utilities installation shall conform to the requirements of the applicable state and local regulations including but not limited to the Florida Department of Environmental Protection and the City of Venice.
- Water lines may be deflected as required (maximum of 30 per joint).
- Water lines shall verify minimum separation between water and sanitary sewer systems (18" minimum vertical and 10" minimum horizontal separations). Upon completion of construction, the Contractor shall provide written verification documenting the minimum separation as constructed.
- Typical cover over utility lines to be 36".
- It is the Contractor's responsibility to become familiar with the permit and inspection requirements specified by the various governmental agencies and the engineer. The Contractor shall obtain all necessary permits prior to construction, and schedule inspections according to agency instructions. All work performed shall comply with the regulations and ordinances of the various governmental agencies having jurisdiction over the work.
- The Contractor shall submit shop drawings on all pre-cast and manufactured items to the engineer for approval. Failure to obtain approval before installation may result in removal and replacement of the Contractor's expense.
- At least three (3) working days prior to construction, the Contractor shall notify the engineer and appropriate agencies and supply them with the Contractor's name, starting date, projected construction schedule, all required shop drawings, and other information as required. Any work performed prior to proper notification may be subject to removal and replacement of the Contractor's expense.
- All disturbed areas not included in the landscape plans shall be either seeded or seeded and mulched depending on the type of grass cover prior to construction. Minimum sodding requirements include a 10' perimeter strip around all structures, a 2' strip along all paved areas, and the retention area sidewalks and berms (do not sod just below berms).
- Coordinate work within the right-of-way with the City of Venice construction and maintenance authorities.
- The site shall be initially graded such that no off-site area will be adversely affected by storm water runoff. Runoff to the adjacent right-of-way shall be minimized. The existing drainage facilities within the right-of-way shall be protected at all times by the use of stacked hay bales, temporary grading, vegetation, etc. Any disturbed area within the right-of-way shall be seeded. All areas shall be protected from erosion caused by storm water runoff by vegetation, stacked hay bales, temporary grading, etc.
- Upon completion of construction activities, the storm water systems shall be cleaned of all silt, debris, litter, etc.
- The Contractor is responsible for providing certified as-built drawings upon completion of construction. These as-built drawings shall include detailed locations of the utility systems (water, sanitary sewer, storm water management systems, electrical systems, etc.).
- Safety:**
 - During construction and/or maintenance of this project, all safety regulations are to be enforced. The contractor or his representative shall be responsible for the control and safety of the traveling public and the safety of his personnel.
 - Labor safety regulations shall conform to the provisions set forth by OSHA in the Federal Register of the Department of Transportation.
 - All trench excavation that exceeds an average depth of five (5) feet MUST conform to the requirements stated in the new "Trench Safety Act" incorporated into OSHA standards (Chapter 90-90, C.S. 550.2626). The new law requires the Contractor to recognize the OSHA excavation safety standards, agree to abide by them, and identify the cost to comply.
 - The minimum standards as set forth in the current edition of the State of Florida Roadway and Traffic Design Standards shall be followed in the design application, installation, maintenance, and removal of all traffic control devices, warning devices, and barriers necessary to protect the public and workers from hazards within the project.
 - All traffic control markings and devices shall conform to the provision set forth in the "Manual on Uniform Traffic Control Devices" prepared by the U.S. Department of Transportation, Federal Highway Administration.



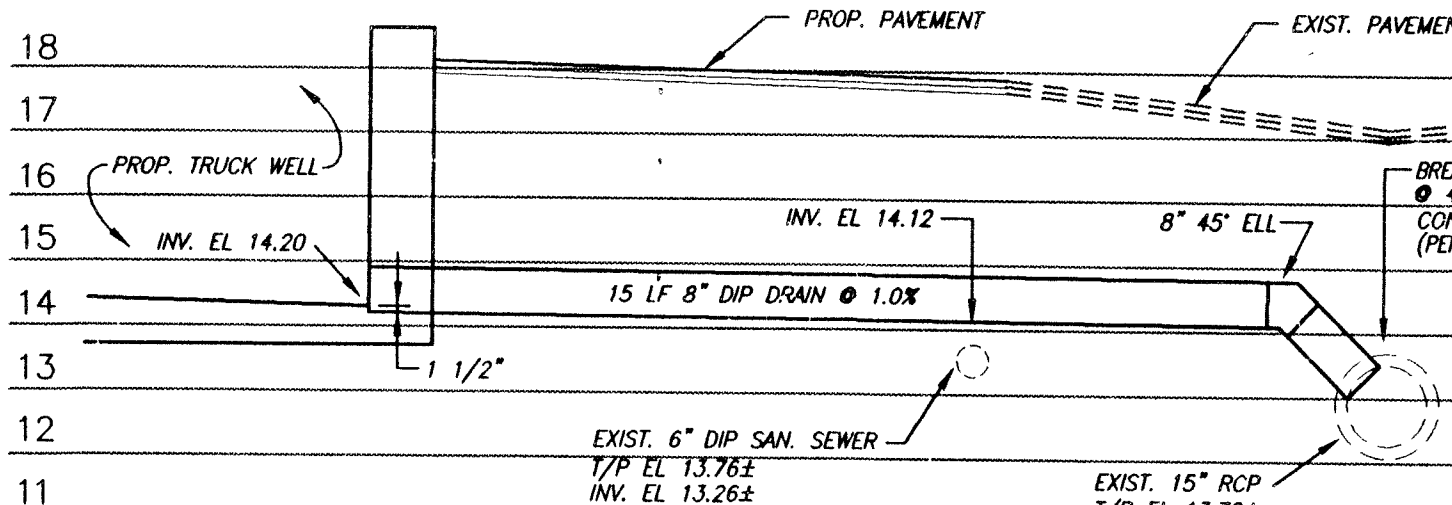
RESILIENT CONNECTION DETAIL

N.T.S.



STANDARD CURB

N.T.S.



SECTION "A-A"

N.T.S.

WATER SYSTEM SPECIFICATIONS

PIPE: ANWA C-900
VALVES: ANWA C-509
FITTINGS: ANWA C-110 OR C-153
FIRE HYDRANT: ANWA C-502-85
DISINFECTION: ANWA C651 and Rule 62-553.345 FAC

WATER SYSTEM PIPING

- Polyvinyl Chloride (PVC)
 - Four (4) inches diameter and greater - Class 150 pipe meeting ANWA C-900 and SDR to be 18.
 - Each length should be clearly labeled as to its color identification and specification conformance.
 - All PVC pipe shall be blue in color or bear an acceptable indelible blue marking in three (3) locations for the length of the pipe.
 - Connection for PVC water pipe two (2) inches and larger shall be rubber compression ring type. Ball shall consist of an iron pipe with a solid cross-section elastomeric ring which meets the requirements of ASTM D-1669.
 - Three (3) inches diameter and smaller - ASTM - 1785 - SCH. 40
- Trace Wire: Installation of all water lines shall include 14 GA irrigation wire, blue coated, secured to the pipe at 3'-on-centers in accordance with the City of Lakeland requirements. Trace wires shall be connected to all fire hydrants and valves.

WATER SYSTEM FITTINGS

- All fittings shall be rated for not less than 150 psi working pressure.
- Grade for ductile-iron fittings shall conform with ANSI/ANWA Standard C110-93 or ANWA/ANWA C111/421.11-90, and shall be cement lined inside and bituminous coated outside. Mechanical joint ductile-iron fittings complying with ANWA C153 are acceptable.
- Malleable iron fittings shall be galvanized conforming to the applicable provision of Federal Specification WW-P-5210, Type I, and may be used in sizes two (2) inches and under only.
- Polyvinyl chloride (PVC) fittings shall be minimum Schedule 40 and may be used in sizes 2" and under only. Gate valves 4" and over shall be of the resilient wedge type and shall be in accordance with ANWA/ANWA C-509-94 (or latest edition) with 5" type stem seal and 2" square operating nut for buried services. Valves shall be mechanical jointed and open left.
- Valves smaller than 4" shall be ball valves.

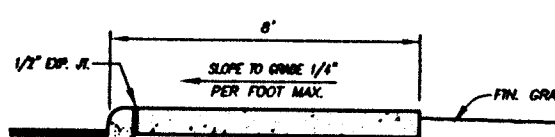
WATER SYSTEM TESTING

- A 24-hour notice must be provided to the City of Venice prior to testing. After installation is completed, the system shall be filled with water and flushed at the highest obtainable velocity and at the furthest points. Velocity must be at least 2.5 feet per second. All air must be expelled. A pressure of least equal to the existing system shall be maintained for a period of two (2) hours. Should the system appear tight, the leakage test may begin.
- The contractor shall pump the lines to a pressure equal to or greater than 150 psi. Should pressure fall below 150 psi during the last period, it shall be voided and restarted. Test period shall be two (2) hours. Allowable leakage shall be computed in accordance with ANWA Manual M23, latest revision.
- The following table approximates the allowable for a 1,000 foot segment of 150 psi and may be used in lieu thereof:

Pipe Size (inches)	ALLOWABLE LEAKAGE PER 1,000 FEET OF PIPELINE
2"	0.15
3"	0.31
4"	0.50
6"	0.66

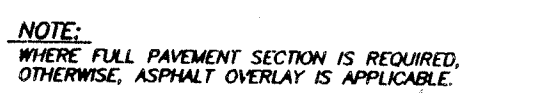
GRAVITY SANITARY SEWERS

- PVC PIPING MATERIALS
The contractor shall install gravity sewer pipe and fittings to meet or exceed the requirements of ASTM D 3034 SDR26. Specified length per section of pipe is 12.5 feet. Pipe shall be dyed green.
- DIP PIPING MATERIALS
The contractor shall push-on joint ductile iron pipe to meet or exceed the requirements of ANSI/ANWA C111/421.11 Class 50. DIP pipe must be poly lined.
- Sewer line must be 1'-6" with no more than 1/2" dip. City will do the televising of the contractors expense.



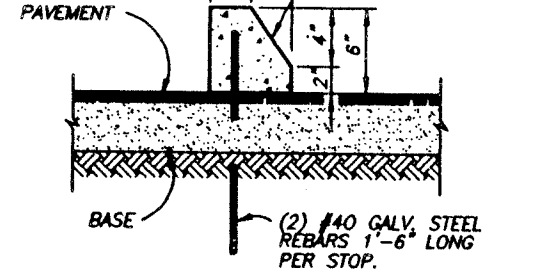
SIDEWALK DETAIL ALONG SOUTH PROPERTY LINE

N.T.S.



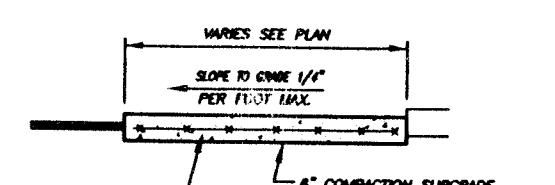
PRE-CAST CONCRETE

N.T.S.



TYPICAL WHEEL STOP DETAIL

N.T.S.



SIDEWALK DETAIL AT BICYCLE CORRAL AND RAMPS

N.T.S.

WATER SYSTEM DISINFECTION

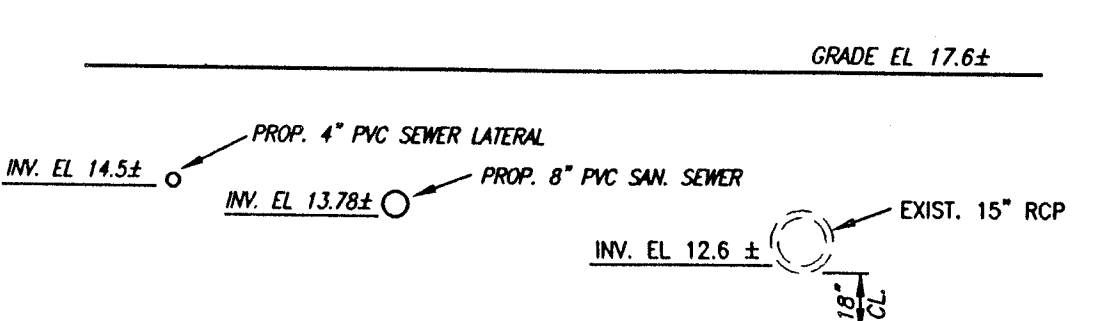
- Before any portion of the newly installed system can be placed in service, all mains and appurtenances shall be thoroughly disinfected and tested.
- Procedures to be used shall conform to ANWA Standard C651 (latest edition). Personnel requirements are as follows:
 - Chlorine solution shall be added to ensure a 50 ppm residual in all portions of the system. Inspectors may designate points where residual is measured.
 - Retention time shall be not less than 24 hours.
 - A minimum 25 ppm chlorine residual must remain at the end of the 24 hour period.
 - Chlorine may be used in the following forms:
 - Solid chlorine as paymaster mixture through an approved solution feeding device.
 - Sodium hypochlorite in a packaged liquid form with 5% to 15% available chlorine.
 - Calcium hypochlorite in a dry form (powder or tablets) with 80% available chlorine such as 10% or 65%.
- After the disinfection process has been completed, all lines shall be thoroughly flushed to a condition equal to the normal base residual.
- A minimum of two bacteriological samples shall be drawn from the newly installed system of remote points. Bacteriological sampling shall be conducted by first reducing the total chlorine residual in the water within the facilities to no more than 4 mg/L and then collecting daily bacteriological samples (taken at least 24 hours apart) for two or more consecutive work-days until satisfactory test results are obtained. Bacteriological test results for new and altered public drinking water facilities shall be considered satisfactory if two consecutive daily samples from each sample location show the absence of total coliform organisms. Bacteriological test results for new and altered public drinking water facilities will be considered invalid if the results are for samples collected more than 30 days before the results are received by the Department or the PCRA, and bacteriological test results for new and altered public drinking water mains will be considered invalid if the pressure in the mains is not maintained at 20 psi or greater after the samples are collected.
- Proof of satisfactory results will be required from a Florida DEP certified laboratory before service will be provided by the City of Lake Wales.

WATER SYSTEM GENERAL NOTES

- If there are any new or relocated water mains that cross any sanitary sewers, storm sewers, force mains, or reclaimed water lines, the water mains cross above such pipelines with a minimum vertical distance of 18 inches between the outside of the water mains and the outside of such pipelines, or such crossings are arranged so that all pipe joints are equivalent from the point of crossing with no less than ten feet between any two pipe joints. The sanitary sewers, storm sewers, force mains, and reclaimed water lines of such crossings are placed in sleeves or encased in concrete to obtain the equivalent of the ten-foot separation between joints.
- It is required that stones found in trenches for new and relocated water main pipe be removed to a depth of at least six inches below the bottom of the pipe, that continuous and uniform bedding be provided in trenches for new and relocated water main pipe, and that backfill material be tamped in layers around new and relocated water main pipe and to a sufficient height above such pipe to adequately support and protect the pipe.
- It is required that all new and relocated water services and plumbing be in conformance with the State plumbing code, that all pipe and pipe fittings for new and relocated water services and plumbing contain no more than eight percent lead, and that all solder and flux for new and relocated water services and plumbing contain no more than 0.2 percent lead.
- Disinfection sample points shall be at the end and midpoint of water mains.

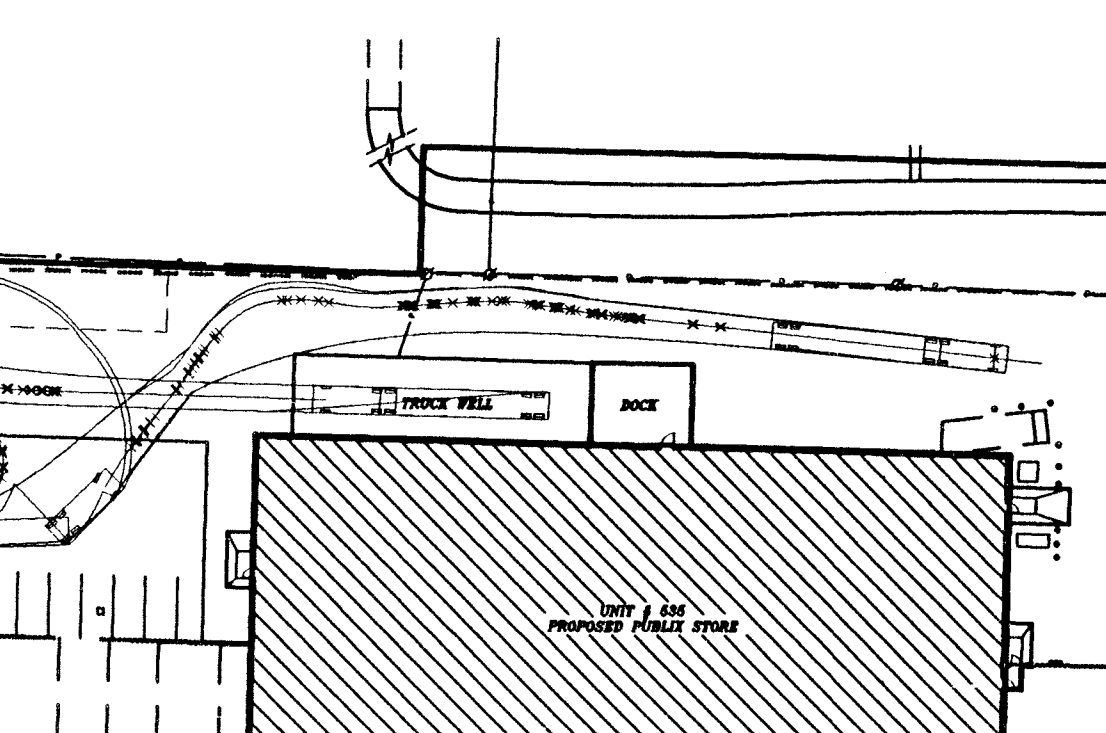
WATER AND SEWER GENERAL NOTES

- The Contractor shall verify the locations, elevations, and dimensions of all existing utilities affecting this work prior to construction.
- The Contractor shall use extreme caution in areas of buried utilities and shall provide at least 48 hours notice to the utility companies prior to construction to obtain field locations of existing underground utilities. The Contractor shall protect and maintain operation of existing utility services during construction.
- The Engineer (CHASTAIN-SKILLMAN, INC.) shall be notified as to where existing utility services interfere with the proposed construction.
- The Contractor is responsible for repairing any damage to existing facilities, above or below ground, that may occur as a result of the work performed by the Contractor.
- Vertical Clearance Requirements:
 - Gravity sewers or force mains crossing under water mains shall be laid to provide a minimum vertical distance of eighteen (18) inches between the invert of the upper pipe and the crown of the lower pipe. The crossing shall be arranged so that the sewer joints and water joints will be equivalent from the point of crossing with no less than ten (10) feet between any two joints. Where the minimum separation (18) inch separation cannot be maintained, the sewer shall be placed in a sleeve of encased in concrete for twenty (20) feet centered on the point of crossing.
 - Where there is no alternative to sewer pipes crossing over water mains, the pipes shall be centered of the crossing as indicated above, and the water main shall either be constructed of DIP or be placed in a sleeve or encased in concrete for twenty (20) feet centered on the point of crossing. Adequate structural support shall be provided for the sewer to prevent damage to the water main.
- Horizontal Separation between Parallel Lines:
 - Gravity sewer shall be installed at least ten (10) feet horizontally from any existing or proposed water main. The distance shall be measured edge to edge. In cases where it is not practical to maintain a ten (10) foot separation, the water main shall be installed in a separate trench or on an undisturbed shall located on one side of the sewer and at an elevation so that the bottom of the water main is at least eighteen (18) inches above the top of the sewer, and the water and sewer joints shall be staggered.
 - Water service pipe shall be installed at least five (5) feet horizontally from any existing or proposed gravity sewer.
 - Force mains shall be installed at least ten (10) feet horizontally from any existing or proposed water main.
- Upon completion of construction, the Contractor shall provide a certified statement indicating that the above referenced clearances and separations were maintained.
- The Contractor is responsible for providing as-built drawings upon completion of construction. These drawings shall be sufficient in detail to locate all utility lines including all valves, tees, elbows, fire hydrants, fittings, cleanouts, utility crossings, etc. The Contractor shall coordinate with the City of Venice for wet taps and meter installations. The water services shall be installed as illustrated. The installation shall conform to the requirements of the City of Lakeland. Meters shall be installed by the City of the request of the owner as tenants / occupancy details.
- The sanitary sewer cleanouts shall be stubbed through and mounted on the stem walls. Additional C.O.'s within the building shall be installed in accordance with the applicable building and/or plumbing codes.



WATER/SEWER CROSSING # 1

N.T.S.



TRUCK TEMPLATE DETAIL (WB-67)

N.T.S.

engineers - architects - surveyors - scientists
chastain skilman
incorporated
Lakeland
Sebring
Tampa
Atlanta
Eng. Bus.

12/20/00
11/17/00
9/22/00
8/17/00
6/23/00
REV. PER PUBLIC FACILITIES
REV. PER PUBLIC COMMENTS
ISSUE FOR PUBLIC REVIEW
REV. PER CITY COMMENTS
PERMIT SUBMISSION

REVISED DATE
P5
P4
P3
P2
P1

REVISION NO.
DRAWN BY
ACAD FILE
REV.
DATE
P5
12/20/00

SCALE
N.T.S.

PUBLIC SUPER MARKETS, INC.
VENICE SHOPPING CENTER (STORE # 068)
535 TAMiami TRAIL S., VENICE, FLORIDA
MISCELLANEOUS DETAILS AND NOTES

COPYRIGHT © 2000
ENGINEER:
KENNETH R. THIELE
REG. NO. 30279
DRAWING NO.
DCL 7353.02-5

