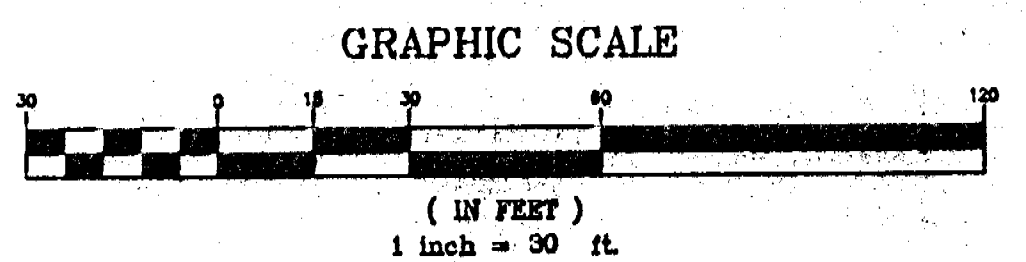


NASA BOULEVARD

MAP OF SURVEY  
BOUNDARY SURVEY  
ELEVATIONS/ TREES

LEGEND

P.R.M.	PERMANENT REFERENCE MONUMENT
P.C.P.	PERMANENT CONTROL POINT
I.E.	IRON ROD
I.P.	IRON PIPE
N.D.	NAIL WITH DISK
C.M.	CONCRETE MONUMENT
P.O.	POINT OF BEGINNING
P.C.	POINT OF COMMENCEMENT
P.I.	POINT OF INTERSECTION
P.D.	POINT OF DISCONTINUITY
P.F.	POINT OF FENCE
P.L.	POINT OF LATERAL
P.P.	POINT OF PILE
P.R.	POINT OF RAIL
P.S.	POINT OF SLOPE
P.T.	POINT OF TIE
P.U.	POINT OF UTILITY
P.V.	POINT OF VERTICAL
P.W.	POINT OF WATER
P.X.	POINT OF X
P.Y.	POINT OF Y
P.Z.	POINT OF Z
P.A.	POINT OF AREA
P.B.	POINT OF BOUNDARY
P.C.	POINT OF CLOSURE
P.D.	POINT OF DISCONTINUITY
P.E.	POINT OF ELEVATION
P.F.	POINT OF FENCE
P.G.	POINT OF GROUND
P.H.	POINT OF HIGH
P.I.	POINT OF INTERSECTION
P.J.	POINT OF JUNCTION
P.K.	POINT OF K
P.L.	POINT OF L
P.M.	POINT OF M
P.N.	POINT OF N
P.O.	POINT OF BEGINNING
P.P.	POINT OF PILE
P.Q.	POINT OF Q
P.R.	POINT OF RAIL
P.S.	POINT OF SLOPE
P.T.	POINT OF TIE
P.U.	POINT OF UTILITY
P.V.	POINT OF VERTICAL
P.W.	POINT OF WATER
P.X.	POINT OF X
P.Y.	POINT OF Y
P.Z.	POINT OF Z



DESCRIPTION: (Written by Surveyor)

TRACT "A"

PART OF THE SOUTH ONE-HALF OF THE NORTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER OF SECTION 36, TOWNSHIP 27 SOUTH, RANGE 36 EAST, BREVARD COUNTY, FLORIDA, LYING EAST OF WICKHAM ROAD, SOUTH OF NASA BOULEVARD, AND WEST OF THE CRANE CREEK DRAINAGE DISTRICT CANAL L-7, BEING DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE SOUTH RIGHT OF WAY LINE OF NASA BOULEVARD (WHICH IS THE SOUTH LINE OF THE NORTH 760 FEET OF SAID SECTION 36, PER RIGHT-OF-WAY DEED RECORDED IN O.R.B. 899, AT PAGE 805 OF THE PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA) AND THE WEST LINE OF SAID L-7 CANAL; THENCE S 00°18'24" E ALONG SAID WEST LINE OF SAID L-7 CANAL A DISTANCE OF 204.00 FEET; THENCE S 89°41'36" W A DISTANCE OF 294.04 FEET TO THE WEST RIGHT OF WAY OF WICKHAM ROAD AS DESCRIBED IN O.R.B. 3011, AT PAGE 3716, OF THE PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA; THENCE N 01°11'41" E ALONG SAID WEST RIGHT OF WAY LINE A DISTANCE OF 180.79 FEET TO A POINT OF CURVATURE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 25.00 FEET; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 35°19'59" A DISTANCE OF 15.42 FEET TO A POINT ON SAID SOUTH RIGHT OF WAY LINE OF NASA BOULEVARD (AS DESCRIBED IN O.R.B. 899, AT PAGE 805); THENCE N 87°53'36" E ALONG SAID SOUTH RIGHT OF WAY LINE A DISTANCE OF 284.46 FEET TO THE POINT OF BEGINNING.

BEING SUBJECT TO A PERPETUAL EASEMENT AND BEING SUBJECT TO EASEMENTS AND RIGHT OF WAYS OF RECORD. SAID PARCEL CONTAINS 1.334 ACRES, MORE OR LESS.

NOTES:

- 1) BEARING BASIS IS BASE LINE SURVEY AND CENTERLINE CONSTRUCTION OF NASA BOULEVARD AS PER ASBUILT/ PLAN AND PROFILE DRAWINGS BY KIMLEY-HORN DATED 4-13-89. MONUMENTED LINE BEARS N 89°38'24" E.
- 2) BENCHMARK IS A RAIL ROAD SPIKE IN A POWER POLE ON THE SOUTH SIDE OF NASA BOULEVARD ON THE EAST SIDE OF THE CRANE CREEK DRAINAGE DISTRICT CANAL L-7. ELEVATION = 27.49' N.G.V.D.
- 3) UNDERGROUND UTILITIES SHOWN WERE LOCATED BY THE APPROPRIATE UTILITY COMPANY FOR MAPPING PURPOSES.
- 4) THE PARCEL HEREON DESCRIBED IS IN ZONE "X" FLOOD PLAIN AS PER THE NATIONAL FLOOD INSURANCE PROGRAM. FLOOD INSURANCE RATE MAP #12009C 0506 E DATED 4-3-89. COMMUNITY #120335 0506 E DATED 11-19-97.
- 5) ● DENOTES SET 5/8" I.R. "LB 6360".

I HEREBY CERTIFY THAT THE PROPERTY HEREON WAS SURVEYED UNDER MY DIRECT SUPERVISION AND THAT THIS MAP OF SURVEY IS ACCURATE AND CORRECT. I FURTHER CERTIFY THAT THIS SURVEY MEETS OR EXCEEDS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS IN CHAPTER 81G17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

PREPARED FOR THE EXCLUSIVE USE OF:  
ROBERT L. COCHRAN GROUP

ROBERT R. DOERRER, JR.  
PROFESSIONAL LAND SURVEYOR #3982

NOTE: THE LEGAL DESCRIPTION SHOWN HEREON IS AS FURNISHED AND HAS NOT BEEN ABSTRACTED BY THE UNDERSIGNED FOR EASEMENTS, RIGHTS-OF-WAY OR RESERVATIONS OF RECORD. SUCH INFORMATION SHOULD BE OBTAINED AND VERIFIED BY OTHERS THROUGH APPROPRIATE TITLE VERIFICATION.

BELOW GROUND IMPROVEMENTS MAY NOT BE DEPICTED ON THIS MAP OF SURVEY.

RECEIVED

MAY - 8 1998

MELBOURNE SERVICE CENTER

HORIZON SURVEYORS  
OF CENTRAL FLORIDA, INC. LB 6360

476 HIGHWAY A-1-A, SATELLITE BEACH, FL 32937

SCALE: 1" = 30'

DATE: 12-08-97

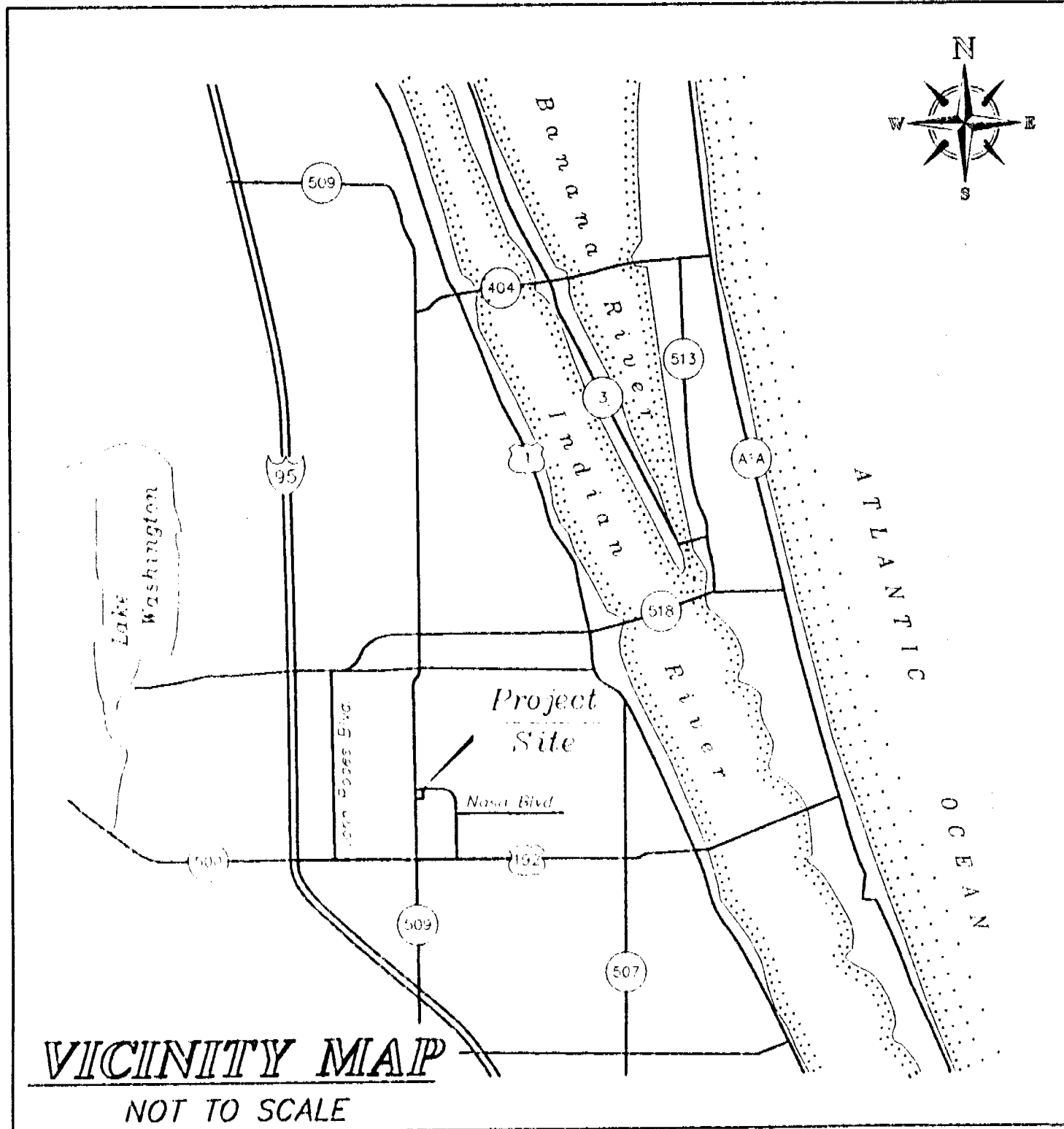
SURVEY FOR: 7-ELEVEN

DRAWN BY: FIELD BOOK 5 PAGE 5

APPROVED BY: FIELD DATE: 11-26-97

DRAWING NUMBER: 4882





VICINITY MAP  
NOT TO SCALE

**PREPARED BY:**

**LEE ENGINEERING, INC.**  
1275 SOUTH PATRICK DRIVE, SUITE H  
SATELLITE BEACH, FL 32937  
Phone: (407) 777-6270

**BREVARD COUNTY EROSION AND SEDIMENT CONTROL REQUIREMENTS:**

1. SEDIMENT BASINS AND TRAPS, PERIMETER Dikes, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE ACTIVITY AND SHALL BE MAINTAINED FUNCTIONAL BEFORE ANY SLOPE LAND DISTURBANCE TAKES PLACE.
2. ALL EROSION CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE ACTIVITY. PERIMETER SEDIMENT BARRIERS SHALL BE CONSTRUCTED TO PREVENT SEDIMENT ON TRASH FROM FLOWING OR FLOATING ON TO ADJACENT PROPERTIES.
3. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADING IS COMPLETED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNSTABILIZED FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT UNSTABILIZED FOR MORE THAN ONE YEAR.
4. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCK PILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE BY ANY AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE. BREVARD COUNTY CODE CHAPTER 14 SECTION 20.17 SHOULD BE CONSULTED FOR PROTECTION OF STOCKPILES FROM WIND.
5. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT, IN THE OPINION OF THE REVIEWER, IS SUFFICIENTLY MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.
6. STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, Dikes AND DITCHES IMMEDIATELY AFTER INSTALLATION.
7. SHORTEST LENGTH OF FILL MATERIALS AREAS THAT IS COMBINED WITH FLOW FROM UPLAND AREAS GREATER THAN 10 FEET TO THREE FEET SHALL BE CONTROLLED BY A SEDIMENT BASIN. THE SEDIMENT BASIN SHALL BE DESIGNED AND CONSTRUCTED TO ACCOMMODATE THE ANTICIPATED SEDIMENT LOADING FROM THE LAND DISTURBANCE ACTIVITY. THE DRAINAGE CANAL SYSTEM SHALL TAKE INTO ACCOUNT THE TOTAL DRAINAGE AREA FLOWING THROUGH THE DISTURBED AREA TO BE SERVED BY THE BASIN.
8. AFTER ANY SIGNIFICANT RAINFALL, SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED FOR INTEGRITY. ANY DAMAGED DEVICES SHALL BE CORRECTED IMMEDIATELY.
9. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR ON SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE.
10. WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.
11. SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM DRAIN SYSTEM, DITCH, OR CHANNEL. ALL STORM SEWER LINES THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
12. BEFORE TEMPORARY OR PERMANENTLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL Lining SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.
13. WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NON EROSION MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COVERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NON EROSION COVER MATERIALS.
14. WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES, A TEMPORARY STREAM CROSSING CONSTRUCTED OF NON EROSION MATERIAL SHALL BE PROVIDED.
15. THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED.
16. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE DEVELOPER, OWNER, AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SEDIMENT LEAVING THE PROPERTY. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
17. UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
  - A. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
  - B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
  - C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
  - D. REVEGETATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
18. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MAINTAIN THE ROAD SURFACE BY TRUCKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE WITH CURBS AND GUTTERS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING AND SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND DISTURBING ACTIVITIES.
19. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. IN THE OPINION OF THE REVIEWER, DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
20. PROPERTIES AND WATERWAYS DOWNSTREAM FROM CONSTRUCTION SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION.
21. PHASED PROJECTS SHOULD BE CLEARED IN CONJUNCTION WITH CONSTRUCTION OF EACH PHASE.
22. EROSION CONTROL DESIGN AND CONSTRUCTION SHALL FOLLOW THE REQUIREMENTS IN INDEX NOS. 101, 102, AND 103 OF FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
23. BREVARD COUNTY MAY APPROVE MODIFICATIONS OR ALTERNATE PLANS TO THESE EROSION CONTROL CRITERIA DUE TO SITE SPECIFIC CONDITIONS.

# SITE CONSTRUCTION PLANS FOR

## 7 - Eleven, Wickham & Nasa Convenience / Gasoline Sales Located In the City of West Melbourne, Florida SECTION 36, TOWNSHIP 27 SOUTH, RANGE 36 EAST

**PREPARED FOR:**

**ROBERT L. COCHRAN, INC.**  
242 FIFTH AVENUE  
INDIALANTIC, FL 32903

Phone: (407) 723-0405

**GRADING, PAVING, AND DRAINAGE NOTES:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO CLEAR AND GRUB ALL AREAS OF CONSTRUCTION UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, AND ALL OTHER DELETERIOUS MATERIAL. ANY TREES THAT ARE TO REMAIN THAT ARE LOCATED IN AREAS WHERE CONSTRUCTION IS TO OCCUR SHALL BE PROTECTED IN THE FOLLOWING MANNER: A BARRICADE SHALL BE CONSTRUCTED AT THE DRAIN LINE OF THE TREE. IF THIS IS NOT POSSIBLE DUE TO SITE CONSTRAINTS, THE BARRICADE SHALL BE PLACED A MINIMUM OF ONE (1) FOOT AWAY FROM THE TREE FOR EVERY INCH OF CALIPER OR AS PRACTICAL. THE BARRICADE SHALL CONSIST OF A MINIMUM 2" X 4" POSTS WITH TWO (2) 1" X 2" RAILS. THE BARRICADE SHALL BE A MINIMUM OF 4' IN HEIGHT.
2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STORM DRAINAGE STRUCTURES TO THE ENGINEER OF RECORD AND THE CITY OF WEST MELBOURNE ENGINEERING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.
3. TRAFFIC CONTROL ON ALL STATE, COUNTY, AND LOCAL RIGHTS OF WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (US DOT/THWA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION.
4. ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS.
5. ALL REINFORCED CONCRETE PIPE SHALL BE CLASS III, UNLESS OTHERWISE NOTED TO BE CLASS II, AND INSTALLED IN ACCORDANCE WITH THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
6. PIPE LENGTHS INDICATED ON PLANS ARE FROM CENTER OF STRUCTURES, END OF PIPES, OR END OF FLARED ENDS.
7. ALL PAVEMENT CONSTRUCTION, MATERIALS, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTION AS DEPICTED ON THE PLANS AND THE LATEST REVISION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
8. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT.
9. ALL CONCRETE USED IN CONSTRUCTION SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS. ALL CONCRETE SIDEWALKS SHALL HAVE CONTROL JOINTS CUT ON 3 FT CENTERS AND EXPANSION JOINTS PLACED ON 25 FT CENTERS.
10. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED ON THE PLANS TO FOOT TOLERANCE, AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED.
11. THE WET RETENTION POND BANKS AND DRAINAGE SWALES SHALL BE SLOPED, AND WATERED TO ESTABLISH A HEALTHY STAND OF GRASS.
12. THE CONTRACTOR SHALL SOD ALL DISTURBED AREAS WITHIN THE RIGHT OF WAY AND 14' PUBLIC UTILITIES AND DRAINAGE EASEMENT.
13. THE CONTRACTOR SHALL UTILIZE METHODS TO CONTROL SURFACE WATER DURING DEWATERING, AND ROADWAY RECONSTRUCTION INCLUDING TEMPORARY SWALES, DEDS, ETC., TO MINIMIZE THE IMPACT OF RAIN DELAYS ON THE PROJECT SCHEDULE.
14. THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES, A COPY OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT FILLMENT AND A SET OF THE APPROVED CONSTRUCTION DRAWINGS. HE SHALL ADHERE TO AND BE HELD RESPONSIBLE FOR COMPLIANCE WITH ALL FILLMENT CONDITIONS RELATED TO THE CONSTRUCTION.
15. SEE NOTE 14 OF THE GENERAL NOTES REGARDING "AS BUILT" REQUIREMENTS. ROADWAY AND DRAINAGE CONSTRUCTION SHALL BE CONSIDERED TO BE THE CONTRACTOR'S RESPONSIBILITY.
16. SOD ALL DISTURBED AREAS.

**EROSION CONTROL / WATER QUALITY REQUIREMENTS:**

1. THE CONTRACTOR MUST SELECT, IMPLEMENT, AND OPERATE ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON SITE AND TO PREVENT VIOLATIONS OF WATER QUALITY STANDARD AS SET FORTH IN CHAPTERS 17.301, 17.302, AND 17.4, F.A.C. THE PERMITTEE IS ENCOURAGED TO USE APPROPRIATE BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL, AS DESCRIBED IN THE FLORIDA LAND DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (JULY 1988).
2. THE CONTRACTOR SHALL CONTROL TURBID RUNOFF FROM THE PROJECT BY ROUGH EXCAVATING THE PROPOSED STORMWATER DRAINAGE AREAS IMMEDIATELY FOLLOWING THE CLEARING AND GRUBbing OF ALL AREAS. ALL AREAS SHALL BE INSTALLED WITH A FILTER AND CATCH PROTECTION. SELF-CLEANING AND TURBIDITY BARRIERS SHALL BE INSTALLED AT ALL OFF-SITE DISCHARGE OUTLET STRUCTURES. ALL EROSION CONTROL WATER QUALITY DEVICES SHALL BE LEFT IN PLACE UNTIL THE DISTURBED SITE IS COMPLETELY STABILIZED AND/OR VEGETATED.
3. THE CONTRACTOR SHALL INSTALL WATER QUALITY CONTROL DEVICES, AS DESIGNATED ON THESE PLANS, ALONG THE SITE PERIMETER. THE CONTRACTOR SHALL RECEIVE THE ENGINEER'S APPROVAL OF THE INSTALLATION, PRIOR TO ANY OTHER SITE CONSTRUCTION.
4. ALL EROSION CONTROL WATER QUALITY DEVICES SHALL BE IN ACCORDANCE WITH INDEXES 102 AND 103 OF THE LATEST EDITION OF THE FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS. THE ENTRANCE OF ALL AREAS SHALL HAVE EITHER BAILED HAY OR FILTER AND CATCH PROTECTION. SELF-CLEANING AND TURBIDITY BARRIERS SHALL BE INSTALLED AT ALL OFF-SITE DISCHARGE OUTLET STRUCTURES. ALL EROSION CONTROL WATER QUALITY DEVICES SHALL BE LEFT IN PLACE UNTIL THE DISTURBED SITE IS COMPLETELY STABILIZED AND/OR VEGETATED.
5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SOIL MOISTURE TO PREVENT ANY GENERATED SOIL EROSION. ALL SURFACE THAT WILL BE EXPOSED FOR 30 OR MORE DAYS SHALL BE VEGETATED WITH A TEMPORARY OR PERMANENT COVER.

**GENERAL NOTES:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH ALL MATERIALS AND LABOR REQUIRED TO CONSTRUCT THE FACILITIES AS SHOWN AND DESCRIBED IN THE PLANS IN CONFORMANCE WITH THE SPECIFICATIONS AND REQUIREMENTS OF THE CITY OF WEST MELBOURNE, BREVARD COUNTY, FLORIDA, DEPARTMENT OF TRANSPORTATION, AND ANY OTHER AGENCIES HAVING JURISDICTION OVER APPLICABLE PORTIONS OF THE PROJECT. HE SHALL OBTAIN A COPY OF THE SOIL REPORT REFERENCED HEREIN AND VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING CONDITIONS. HE SHALL CLEAR AND GRUB ALL AREAS OF CONSTRUCTION UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, AND ALL OTHER DELETERIOUS MATERIAL.
2. THE EXACT LOCATIONS OF EXISTING UTILITIES ARE UNKNOWN. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO BIDDING BY NOTIFYING THE UTILITY COMPANIES TO LOCATE THEIR UTILITIES OR BY FIELD VERIFICATION. HE SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGED UTILITY RESULTING FROM HIS CONSTRUCTION AT HIS OWN EXPENSE.
3. BOUNDARY, TOPOGRAPHIC, AND TREE SURVEY PREPARED BY HORIZON SURVEYORS OF CENTRAL FLORIDA, INC., DRAWING NUMBER 4382, DATED 11/20/97.
4. A PRE-CONSTRUCTION CONFERENCE WILL BE HELD WITH THE BUILDING DEPARTMENT PRIOR TO START OF ANY PERMITTED WORK. ALL CONTRACTORS AND SUB-CONTRACTORS SHOULD ATTEND.
5. ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1983. PROJECT BENCHMARK IS A RAILROAD SPIKE SET IN A WOOD POWER POLE ON THE EAST SIDE OF THE L/7 CANAL RW, SOUTH SIDE OF NASA BLVD., EL. = 22.49', PER SURVEY.
6. THE SITE IS LOCATED IN FLOOD ZONE X, PER FEMA FLOOD INSURANCE RATE MAP COMMUNITY NO. 120355, PANEL 0508, SUFFIX E, DATED 11-19-97, PER SURVEY.
7. SOILS INFORMATION OBTAINED FROM GEOTECHNICAL REPORT PREPARED BY UNIVERSAL ENGINEERING SCIENCES, INC., REPORT NUMBER 17153, DATED DECEMBER 24, 1997.
8. THE REQUIREMENTS OF THE CITY OF WEST MELBOURNE, STANDARD SPECIFICATIONS AND STANDARD DETAILS SHALL GOVERN ALL UTILITIES WORK. WHERE THE REQUIREMENTS OF A STATE OR LOCAL AGENCY HAVING JURISDICTION ARE MORE STRINGENT, THOSE REQUIREMENTS SHALL PREVAIL.
9. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE, AT ALL TIMES, COPIES OF THE CITY OF WEST MELBOURNE STANDARD SPECIFICATIONS AND STANDARD DETAILS, ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND ANY SPECIAL PROVISIONS, AND COPIES OF ALL REQUIRED CONSTRUCTION PERMITS.
10. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER OF RECORD. WHEN PROPOSED APPROVEMENTS CONFLICT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST THE UTILITIES UNDER THE GUIDANCE OF THE APPROPRIATE UTILITY OWNER.
11. THE CONTRACTOR SHALL CONTACT ALL CONCERNED UTILITIES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS.
12. ALL COPIES OF MATERIALS TESTING RESULTS REQUIRED BY AGENCIES HAVING JURISDICTION OVER THE PROJECT ARE TO BE SENT TO THE RESPECTIVE MUNICIPALITY'S PUBLIC WORKS OR ENGINEERING DEPARTMENTS AND THE ENGINEER OF RECORD, DIRECTLY FROM THE TESTING LABORATORY.
13. THE CONTRACTOR SHALL ASSIST THE PROJECT SURVEYOR IN THE OBTAINING OF DATA REQUIRED FOR PREPARATION OF REQUIRED "AS BUILT" DRAWINGS REQUIRED BY THE APPROPRIATE JURISDICTIONS AND UTILITIES ACCEPTING THE PUBLIC IMPROVEMENTS. HE SHALL COORDINATE TIMES OF WORK AND MAKE SURE UTILITY LINES ARE NOT COVERED UP PRIOR TO THE SURVEYORS LOCATIONS. ANY UNCOVERING OF SUCH WORK NOT COORDINATED WILL BE THE CONTRACTOR'S RESPONSIBILITY.
14. NO COMBUSTIBLE MATERIAL SHALL BE BROUGHT ON SITE PRIOR TO WATER FOR FIRE FIGHTING.
15. EASEMENTS WILL BE RECORDED AND DEDICATED TO THE CITY FOR ALL UTILITIES PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

**SANITARY SEWERAGE COLLECTION SYSTEM NOTES:**

1. ALL SANITARY SEWERAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF WEST MELBOURNE'S SPECIFICATIONS FOR CONSTRUCTION OF SANITARY SEWERAGE COLLECTION SYSTEMS, CRITERIA AND SPECIFICATIONS.
2. POLYVINYL CHLORIDE (PVC) GRAVITY SEWER PIPE SHALL CONFORM TO ASTM D3034, SDR 35. THE JOINTS SHALL BE OF THE INTEGRAL BELL, ELASTOMERIC GASKET TYPE, MANUFACTURED IN ACCORDANCE WITH ASTM D2312 AND ASTM F477.
3. SHOP DRAWINGS OF ALL PIPE AND FITTINGS SHALL BE SUBMITTED TO, REVIEWED, AND APPROVED BY THE ENGINEER OF RECORD AND THE CITY OF WEST MELBOURNE PRIOR TO ORDERING MATERIALS.
4. THE CITY'S CONTRACT SEWER PLANT OPERATOR, P.S.G., INC., MUST BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF ANY CONNECTION TO THE EXISTING SEWER SYSTEM. HE MAY BE CONTACTED AT TELEPHONE NUMBER (407) 948-0455.
5. SEE NOTE 13 OF THE GENERAL NOTES REGARDING "AS BUILT" REQUIREMENTS. SANITARY SEWER CONSTRUCTION SHALL BE AS BUILT PER CITY OF WEST MELBOURNE CRITERIA.

**INDEX of SHEETS:**

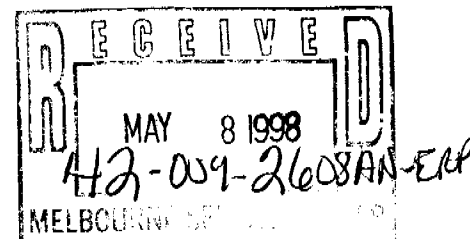
1. COVER SHEET and GENERAL NOTES
2. SITE GEOMETRY PLAN
3. ENGINEERING SITE PLAN
4. OFF-SITE FORCE MAIN & JUMP STATION DETAILS
5. CROSS SECTIONS and MISCELLANEOUS DETAILS
6. DRAINAGE and MISCELLANEOUS DETAILS
7. WATER & SEWER DETAILS
8. LANDSCAPE PLAN
9. IRRIGATION PLAN

**POTABLE WATER DISTRIBUTION SYSTEM NOTES:**

1. WATER DISTRIBUTION SYSTEM CONSTRUCTION SHALL COMPLY WITH THE CITY OF WEST MELBOURNE'S LATEST SPECIFICATIONS AND THE APPROVED PLANS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL WATER MAINS, SERVICE, AND APPURTENANCES IN ACCORDANCE WITH SAID SPECIFICATIONS, COPIES OF WHICH SHALL BE KEPT AT THE JOB SITE AT ALL TIMES. THE CONTRACTOR SHALL NOTIFY THE CITY OF WEST MELBOURNE UTILITIES ENGINEERING DEPARTMENT 24 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. INSTALLATION OF WATERLINES SHALL BE IN ACCORDANCE WITH ANSI/AWWA C 900 (MANUAL M23) FOR PVC PRESSURE PIPE, AND C 600 FOR DUCTILE IRON PIPE.
3. PVC PRESSURE PIPES SIZE 4" THROUGH 12" SHALL BE CAST IRON PIPE EQUIVALENT OUTSIDE DIAMETER CLASS 150 (DR 18) AND COMPLY WITH AWWA C 900 STANDARD AND MEET THE REQUIREMENTS OF ASTM D2241. ALL JOINTS SHALL BE OF THE GASTOMATIC GASKET TYPE WITH THICKENED, INTEGRAL SOLID-WALL BELL OR COUPLING WITH THE SAME DR. AS THE BARREL. SOLVENT-CEMENT JOINTS WILL NOT BE ACCEPTED. ALL PVC PRESSURE PIPE USED FOR WATER DISTRIBUTION SYSTEMS SHALL BE BLUE IN COLOR HAVING BEEN IMPREGATED INTO THE STRUCTURAL RESIN AT THE PIPE MANUFACTURING PLANT.
4. ALL DUCTILE IRON PIPE INSTALLED SHALL BE CLASS S1 CONFORMING TO AWWA C-151 STANDARDS. ALL DUCTILE IRON SHALL BE CEMENT LINED AND SEAL COATED IN ACCORDANCE WITH ANSI/AWWA STANDARD C1042.1-1990. ALL DUCTILE IRON PIPE FOR UNDERGROUND INSTALLATION SHALL BE OUTSIDE COATED WITH A 1 MIL THICK DUTOMAX MATERIAL, APPLIED BY MEANS OF AIRLESS SPRAY OR OTHER FACTORY APPROVED METHOD.
5. ALL WATER MAINS TO HAVE A MINIMUM COVER OF 30" UNLESS OTHERWISE NOTED.
6. WHERE A WATER MAIN CROSSES EITHER A SEWER MAIN, STORM SEWER, OR RECLAIMED WATER MAIN, WITH LESS THAN 18" VERTICAL CLEARANCE OR 10' HORIZONTAL CLEARANCE, THE WATER MAIN WILL BE 20' OF DUCTILE IRON PIPE CENTERED ON THE POINT OF CROSSING.
7. WHERE A WATER MAIN CROSSES UNDER OR OVER A STORM SEWER, THE STORM SEWER JOINTS WITHIN 20' HORIZONTALLY OF THE POINT OF INTERSECTION SHALL BE WRAPPED WITH SOIL TIGHT FILTER FABRIC.
8. ALL FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT FOR USE WITH PREVIOUSLY SPECIFIED DUCTILE IRON AND OR PVC PIPE. CAST DUCTILE IRON FITTINGS 4 INCH THROUGH 24 INCH SHALL BE PRESSURE RATED AT 350 PSI (UNWRAID). ALL FITTINGS SHALL CONFORM TO ANSI/AWWA STANDARD C1042.1-1990 AND/OR ANSI/AWWA STANDARD C153.21-13 (LATEST EDITIONS).
9. ALL FITTINGS SHALL BE CEMENT LINED AND SEAL COATED IN ACCORDANCE WITH ANSI/AWWA STANDARD C1042.1-1990. ALL FITTINGS SHALL HAVE DOUBLE CEMENT LINING THICKNESS. ALL FITTINGS FOR UNDERGROUND INSTALLATION SHALL BE OUTSIDE COATED WITH A 1 MIL THICK DUTOMAX MATERIAL, APPLIED BY MEANS OF AIRLESS SPRAY OR OTHER FACTORY APPROVED METHOD.
10. TAPPING SLEEVES SHALL BE TYPE 432 OR 432 (ALL STAINLESS) AS MANUFACTURED BY JCM INDUSTRIES OR CITY APPROVED EQUAL. ALL TAPPING VALVES SHALL BE TYPE C1850-86PS AS MANUFACTURED BY AMERICAN DAPLINS OR CITY APPROVED EQUAL.
11. SHOP DRAWINGS OF ALL PIPE, VALVES, AND FITTINGS SHALL BE SUBMITTED TO, REVIEWED, AND APPROVED BY THE ENGINEER OF RECORD AND THE CITY OF WEST MELBOURNE PRIOR TO ORDERING MATERIALS.
12. ALL THRUST BLOCKING IS TO BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE ABOVE MENTIONED CITY SPECIFICATIONS AND STANDARD DRAWINGS. ALSO, ALL THRUST BLOCKING TO BE VISUALLY INSPECTED BY WATER DISTRIBUTION PERSONNEL ONCE INSTALLED AND PRIOR TO BACKFILLING.
13. HYDROSTATIC TESTS CONSISTING OF PRESSURE AND LEAKAGE TESTS SHALL BE PERFORMED ON ALL NEWLY INSTALLED WATER MAINS AND APPURTENANCES PER AWWA C200 OR M23, AS APPLICABLE. THE CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD FOR AN INSPECTION OF WATER MAIN CONNECTIONS AND THRUST BLOCKING PRIOR TO BACKFILLING. THIS NOTIFICATION SHALL BE AT LEAST THREE BUSINESS DAYS PRIOR TO REQUESTED INSPECTION.
14. DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C651. DISINFECTING WATER MAINS TO BE BAKED AND ANALYZED FOR TWO CONSECUTIVE DAYS. THESE SAMPLES MUST PROVIDE SATISFACTORY OR RECHLORINATION AND RESAMPLING CARRIED OUT. NO WATER IS TO BE USED UNTIL THE DEPARTMENT OF ENVIRONMENTAL PROTECTION ISSUES A LETTER OF CLEARANCE.
15. ALL FILLING AND FLUSHING OF MAINS SHALL BE DONE THROUGH A JUMPER PIPE BETWEEN THE PROPOSED AND EXISTING CONSTRUCTION. IF DIA. AND SMALLER MAINS SHALL FILL AND FLUSH THROUGH JUMPER, WHILE 10" AND ABOVE SHALL FILL WITH JUMPER AND FLUSH WITH MAIN VALVE UNDER CITY SUPERVISION ONLY. CONTRACTOR SHALL PROVIDE APPROVED BACKFLOW PREVENTER.
16. THE CITY'S PUBLIC WORKS DIRECTOR MUST BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY CONNECTION TO THE EXISTING WATER SYSTEM. HE MAY BE CONTACTED AT TELEPHONE NUMBER 807.27.3710.
17. SEE NOTE 13 OF THE GENERAL NOTES REGARDING "AS BUILT" REQUIREMENTS. WATER CONSTRUCTION SHALL BE AS BUILT PER CITY OF WEST MELBOURNE CRITERIA.

**FIRE PREVENTION NOTES:**

1. LANDSCAPING SHALL NOT BE LOCATED WITHIN 3 FEET OF ANY FIRE HYDRANT AND/OR FIRE DEPARTMENT CONNECTION.
2. WATER MAIN FIRE FIGHTING PURPOSES SHALL BE AVAILABLE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.
3. NEW AND EXISTING FIRE HYDRANTS SHALL BE INDICATED WITH A BLUE ROADWAY REFLECTOR, PLACED ONE FOOT OFF OF THE CENTERLINE OF THE ROADWAY AND THE FIRE HYDRANT.
4. NEW FIRE HYDRANTS SHALL BE POSITIONED NOT MORE THAN 8' NOR LESS THAN 8' FEET OF THE EDGE OF PAVEMENT, WITH THE CENTER OF THE STEAMER CONNECTION (4 1/2") NOT GREATER THAN 18-24 INCHES ABOVE THE FINISHED GRADE.



DATE	REVISION	TABLE
11-11-98	REVISED PER CITY OF WEST MELBOURNE COMMENTS DATED 11-11-98	WA
11-11-98	REVISED PER CITY OF WEST MELBOURNE COMMENTS DATED 11-11-98	CLB
11-11-98	REVISED PER CITY OF WEST MELBOURNE COMMENTS DATED 11-11-98	RL
11-11-98	REVISED PER CITY OF WEST MELBOURNE COMMENTS DATED 11-11-98	RL

**LEE ENGINEERING, INC.**  
1275 South Patrick Drive, Suite H  
Satellite Beach, Florida 32937  
(407) 777-6270



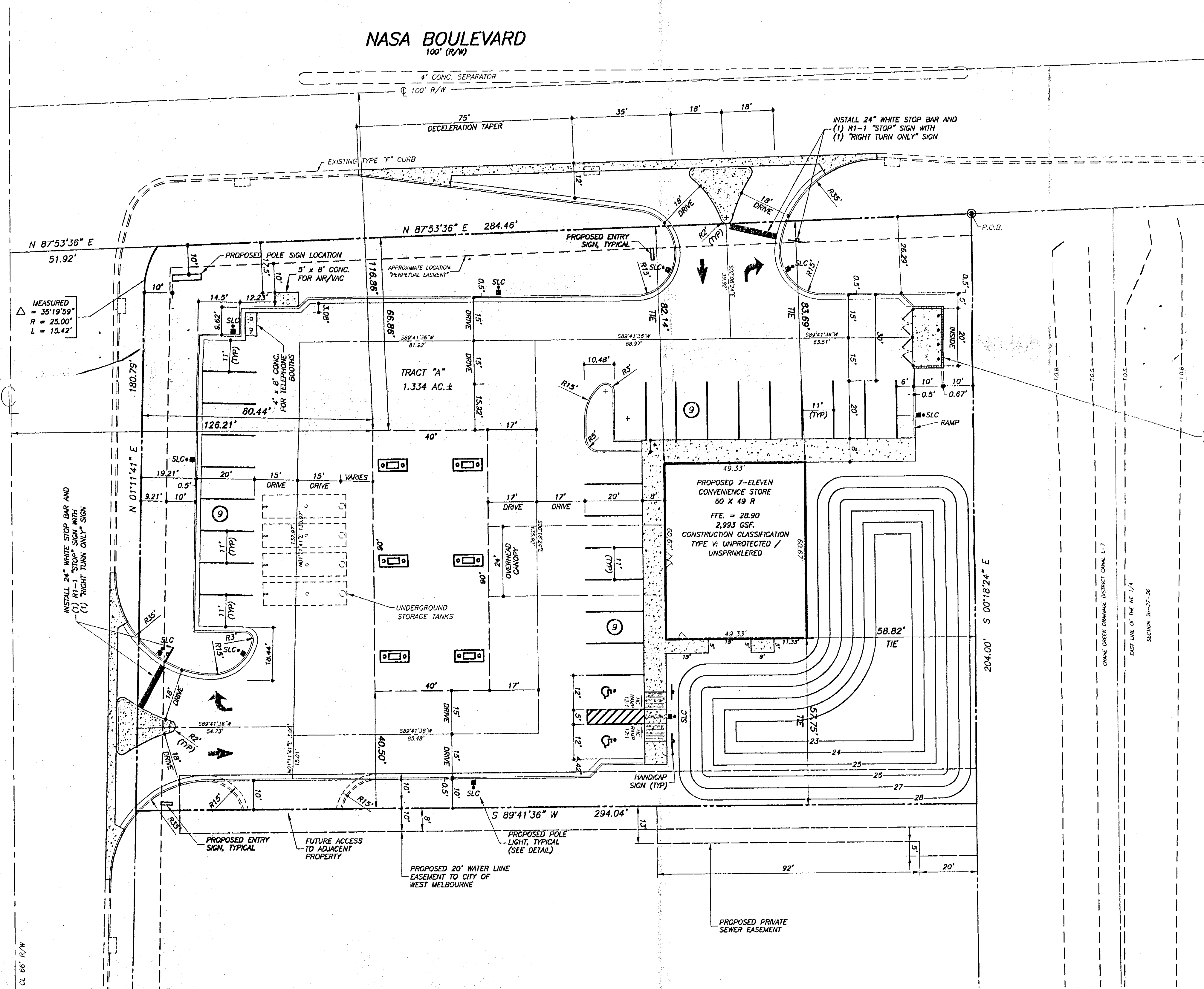
**7 - Eleven, Wickham & Nasa  
for Robert L. Cochran, Inc.**  
COVER SHEET and  
GENERAL NOTES

STATUS	DATE
A	ISSUED FOR APPROVAL
B	APPROVED ONLY
C	RELEASED FOR CONSTRUCTION
D	RECEIVED AND
E	RECEIVED AND
F	RECEIVED AND
G	RECEIVED AND
H	RECEIVED AND
I	RECEIVED AND
J	RECEIVED AND
K	RECEIVED AND
L	RECEIVED AND
M	RECEIVED AND
N	RECEIVED AND
O	RECEIVED AND
P	RECEIVED AND
Q	RECEIVED AND
R	RECEIVED AND
S	RECEIVED AND
T	RECEIVED AND
U	RECEIVED AND
V	RECEIVED AND
W	RECEIVED AND
X	RECEIVED AND
Y	RECEIVED AND
Z	RECEIVED AND

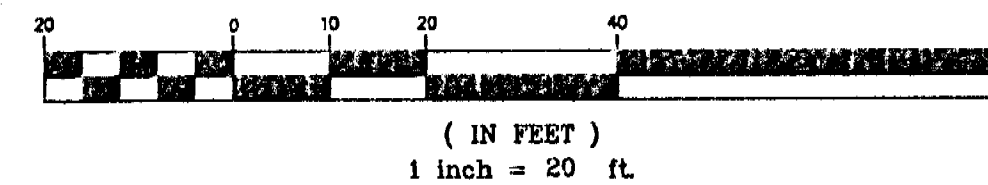
JOB NO. 0111-04  
SHEET NO. 1 of 9  
ENGINEER OF RECORD  
MAY 07 1998  
FL PE # 41077



WICKHAM ROAD  
(R/W MARKS)



GRAPHIC SCALE



DESCRIPTION: (Written by Surveyor)

TRACT "A"

PART OF THE SOUTH ONE-HALF OF THE NORTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER OF SECTION 36, TOWNSHIP 27 SOUTH, RANGE 36 EAST, BREVARD COUNTY, FLORIDA, LYING EAST OF WICKHAM ROAD, SOUTH OF NASA BOULEVARD, AND WEST OF THE CRANE CREEK DRAINAGE DISTRICT CANAL L-7, BEING DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE SOUTH RIGHT OF WAY LINE OF NASA BOULEVARD (WHICH IS THE SOUTH LINE OF THE NORTH 760 FEET OF SAID SECTION 36, PER RIGHT-OF-WAY DEED RECORDED IN O.R.B. 899, AT PAGE 805 OF THE PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA) AND THE WEST LINE OF SAID L-7 CANAL; THENCE S 00°18'24" E ALONG SAID WEST LINE OF SAID L-7 CANAL A DISTANCE OF 204.00 FEET; THENCE S 89°41'36" W A DISTANCE OF 294.04 FEET TO THE WEST RIGHT OF WAY OF WICKHAM ROAD AS DESCRIBED IN O.R.B. 3011, AT PAGE 3716, OF THE PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA; THENCE N 01°11'41" E ALONG SAID WEST RIGHT OF WAY LINE A DISTANCE OF 180.79 FEET TO A POINT OF CURVATURE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 25.00 FEET; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 35°19'59" A DISTANCE OF 15.42 FEET TO A POINT ON SAID SOUTH RIGHT OF WAY LINE OF NASA BOULEVARD (AS DESCRIBED IN O.R.B. 899, AT PAGE 805); THENCE N 87°53'36" E ALONG SAID SOUTH RIGHT OF WAY LINE A DISTANCE OF 284.46 FEET TO THE POINT OF BEGINNING.

BEING SUBJECT TO A PERPETUAL EASEMENT AND BEING SUBJECT TO EASEMENTS AND RIGHT OF WAYS OF RECORD. SAID PARCEL CONTAINS 1.334 ACRES, MORE OR LESS.

**GENERAL PROJECT INFORMATION:**  
DEVELOPER/CONTRACT PURCHASER:  
ROBERT L. COCHRAN  
ROBERT L. COCHRAN INC.  
242 FIFTH AVENUE  
INDIALANTIC, FL 32903  
TELE: (407) 723-0408  
FAX: (407) 723-0437

CIVIL ENGINEER:  
ROBERT L. LEE, P.E.  
LEE ENGINEERING, INC.  
1275 S. PATRICK DR., STE H  
SATELLITE BEACH, FL 32937  
TELE: (407) 777-6270  
FAX: (407) 777-6275

**LESSOR:**  
THE SOUTHLAND CORPORATION  
1300 LEE ROAD  
ORLANDO, FL 32810  
TELE: (407) 225-3076  
FAX: (407) 220-6360

**TELEPHONE COMPANY:**  
JIM COOK  
BELL SOUTH  
7747 ELLIS ROAD  
MELBOURNE, FL 32904  
TELE: (407) 951-1019  
FAX: (407)

**WATER & SANITARY SEWER COMPANIES:**  
BARRY BARTOLINO, C.P.M.  
CITY OF WEST MELBOURNE UTILITIES  
2285 MINTON ROAD  
WEST MELBOURNE, FL 32904

**ELECTRIC COMPANY:**  
ARCHIE ADAMS  
FLORIDA POWER & LIGHT COMPANY  
7901 ELLIS ROAD  
MELBOURNE, FL 32904  
TELE: (407) 728-4864  
FAX: (407) 437-6344

**GENERAL STATEMENT:**  
THE APPLICANT PROPOSES TO CONSTRUCT A 2,993 SF, SINGLE STORY CONVENIENCE STORE WITH GASOLINE SALES. SITE INFRASTRUCTURE INCLUDES PAVED PARKING AND ROADWAYS, EROSION PROTECTION, POTABLE WATER DISTRIBUTION, GRAVITY WASTEWATER COLLECTION SYSTEM, STORMWATER MANAGEMENT FACILITIES (DRY RETENTION POND).

**GENERAL SITE DATA:**  
LOCATION: 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LOCATION:** 8.33  
MELBOURNE: 2608 AM TWP

**LEE ENGINEERING, INC.**  
1275 South Patrick Drive, Suite H  
Satellite Beach, Florida 32937  
(407) 777-6270

**7-Eleven, Wickham & Nasa**  
for Robert L. Cochran Inc.  
SITE GEOMETRY  
PLAN

**DATE:** 01-30-98  
**SCALE:** 1" = 20'

**DATE:** 01-30-98  
**SCALE:** 1" = 20'

**DATE:** 01-30-98  
**SCALE:** 1" = 20'

**DATE:** 01-30-98  
**SCALE:** 1" = 20'

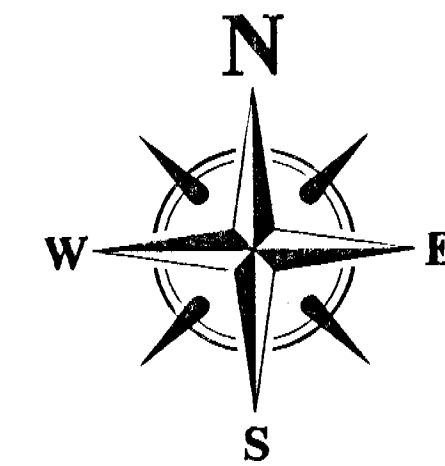
**DATE:** 01-30-98  
**SCALE:** 1" = 20'

**DATE:** 01-30-98  
**SCALE:** 1" = 20'

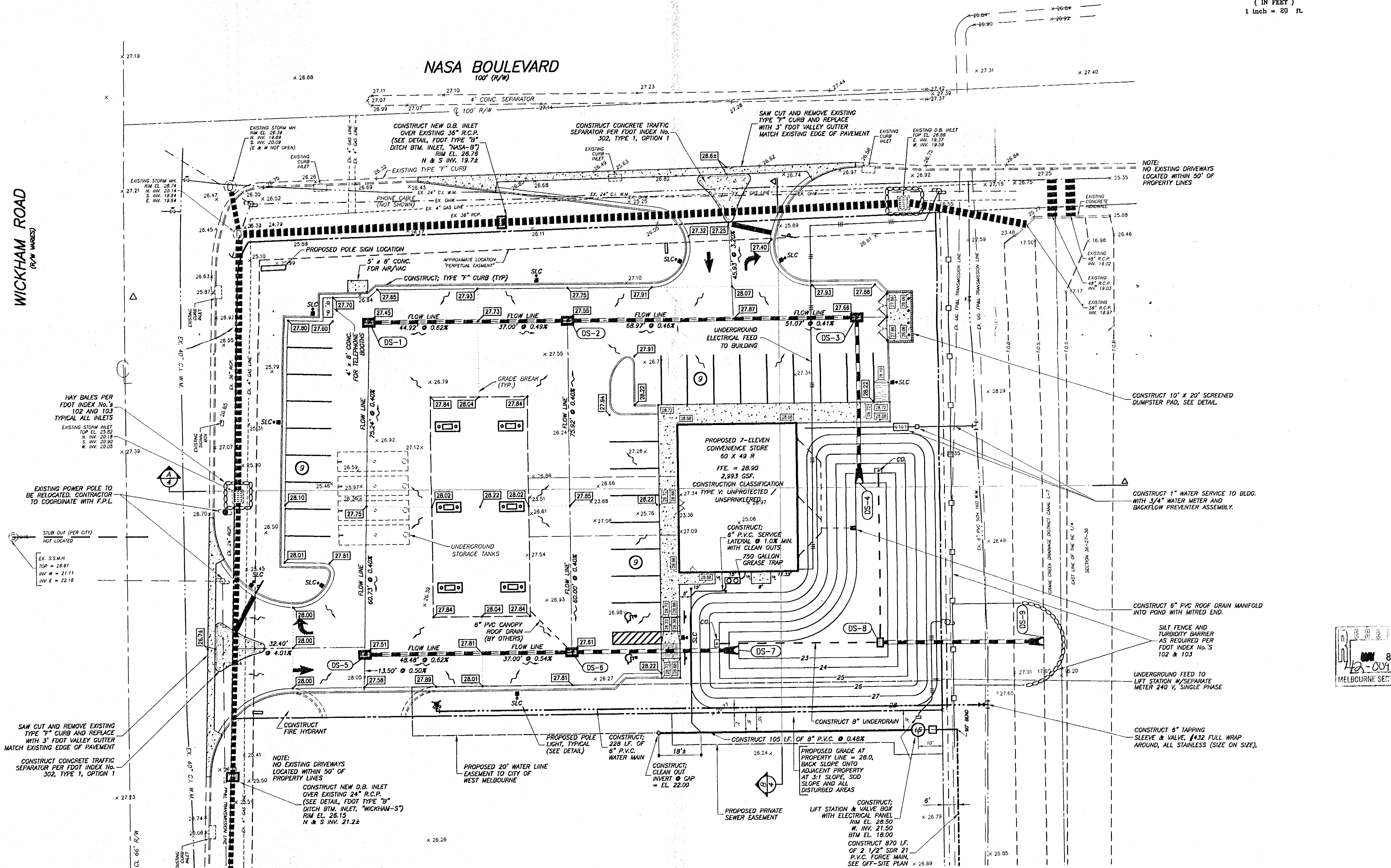
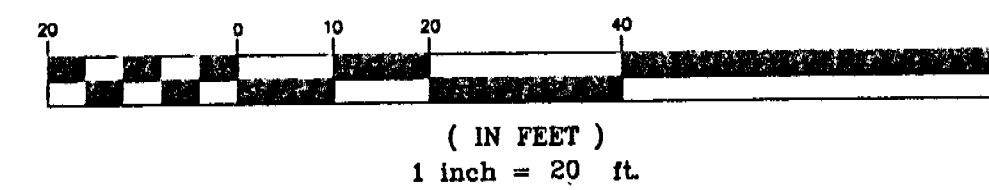


PROPOSED STORM DRAINAGE SYSTEM TABLE - 7-ELEVEN, WICKHAM & NASA													
STATION	NORTH	EAST	TYPE	RIM EL.	ORIFICE	INVERTS			LENGTH (L)	SIZE	MATERIAL	SLOPE %	FROM
						NORTH	EAST	WEST					TO
DS-1			TYPE "F" INLET	27.45		24.30			82	12"	R.C.P.	0.49%	DS-1
DS-2			TYPE "F" INLET	27.55		23.90		23.90	120	18"	R.C.P.	0.42%	DS-2
DS-3			TYPE "F" INLET	27.68		23.40	23.40		62	18"	R.C.P.	0.59%	DS-3
DS-4			18" FLARED END			23.00							DS-4
DS-5			TYPE "F" INLET	27.51		24.30			85	12"	R.C.P.	0.47%	DS-5
DS-6			TYPE "F" INLET	27.61		23.40		23.90	63	18"	R.C.P.	0.58%	DS-6
DS-7			18" FLARED END			23.00							DS-7
DS-8			MODIFIED TYPE "G" INLET	27.08	25.28	20.08		20.08	62	18"	R.C.P.	0.74%	DS-8
DS-9			18" FLARED END			19.50							DS-9

NOTES:  
 PIPE LENGTHS INDICATED HEREIN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE OR CONNECTING ENDS OF FLARED OR MITRED ENDS  
 (LENGTHS OF FLARED AND MITRED ENDS NOT INCLUDED - LENGTH OF PIPE FOR MITRED ENDS TO BE INCLUDED IN MITRED END COST)  
 PIPE SLOPES ARE CALCULATED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE OR ENDS OF FLARED OR MITRED ENDS



GRAPHIC SCALE



**LEE ENGINEERING, INC.**  
 1275 South Patrick Drive, Suite H  
 Satellite Beach, Florida 32937  
 (407) 777-6270

**7-Eleven, Wickham & NASA**  
 for Robert L. Cochran Inc.  
 ENGINEERING SITE  
 PLAN

STATUS DATE

P PRELIMINARY  
 A ISSUED FOR APPROVALS  
 B BIDDING ONLY  
 C RELEASED FOR CONSTRUCTION  
 D RECORD DRAWING  
 E CHECK PRINT

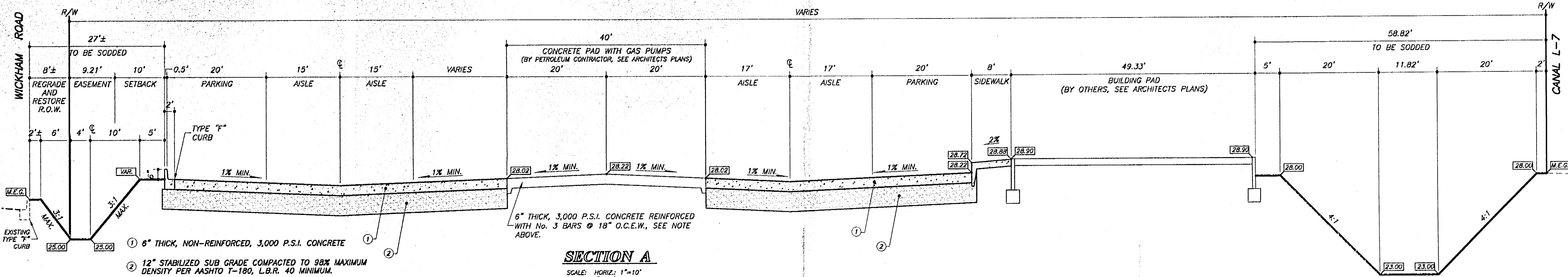
JOB No.: 111-4  
 FILE: MASTER2  
 BORDER: N/A  
 VP-1: N/A  
 VP-2: N/A  
 VP-3: N/A  
 VP-4: N/A  
 VP-5: N/A  
 VP-6: N/A  
 VP-7: N/A  
 VP-8: N/A  
 DATE: 01-30-98  
 SCALE: 1" = 20'

SHEET No.: 3 of 9

ENGINEER OF RECORD

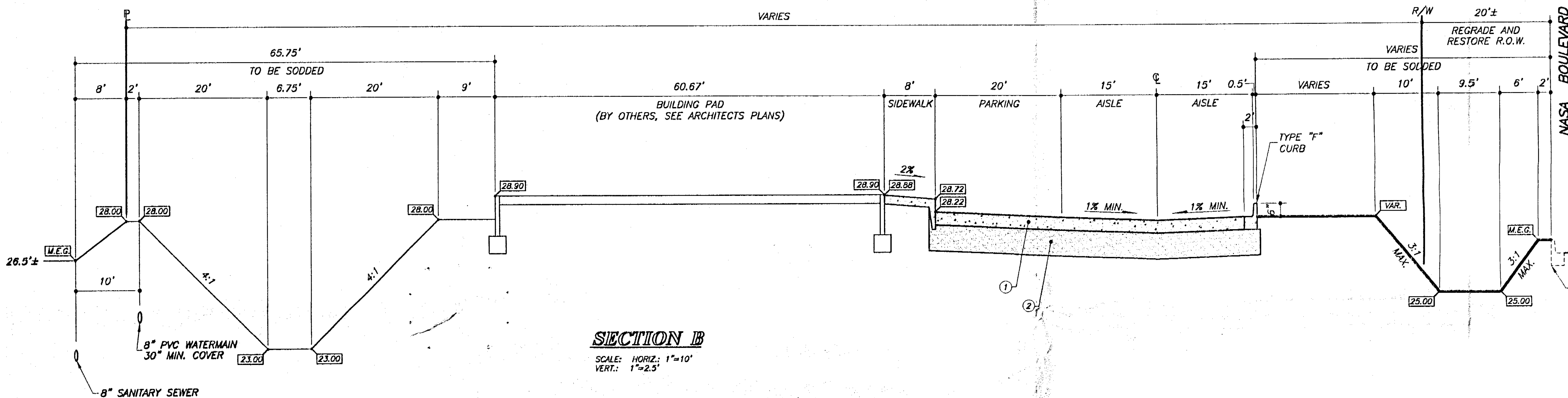
MAY 07 1998  
 FL PE # 41077





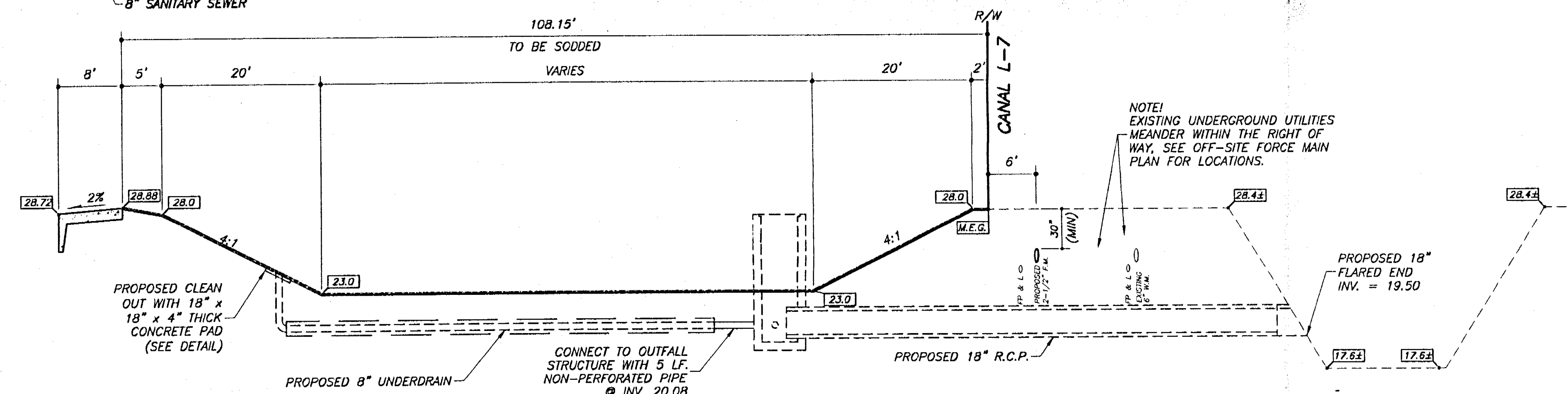
**SECTION A**

SCALE: HORIZ.: 1"=10'  
VERT.: 1"=2.5'



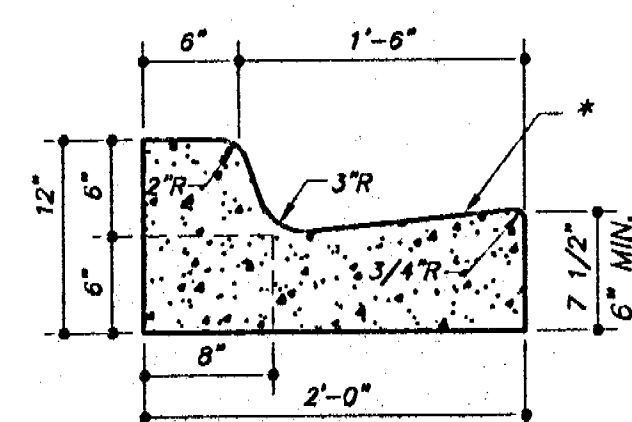
**SECTION B**

SCALE: HORIZ.: 1"=10'  
VERT.: 1"=2.5'



**POND SECTION THRU OUTFALL STRUCTURE**

SCALE: HORIZ.: 1"=10'  
VERT.: 1"=5'



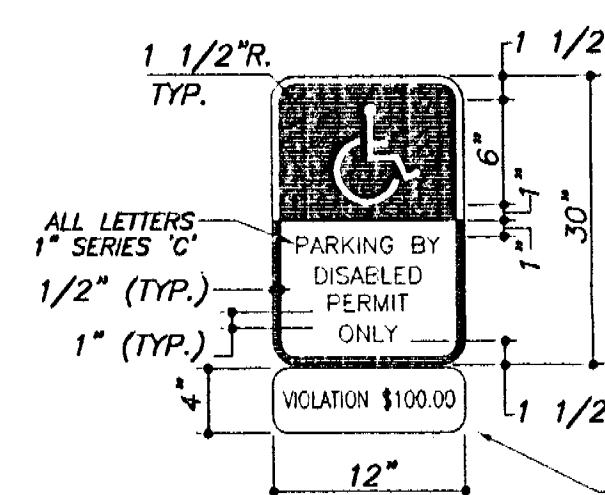
**TYPE "F" CURB DETAIL**

N.T.S.

\* NOTE: WHEN USED ON HIGH SIDE OF ROADWAYS, REVERSE THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT; THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.  
ASPHALT SURFACE ON LOW SIDE OF PAVEMENT SHALL BE 1/4" ABOVE THE LIP OF THE GUTTER. PAVEMENT ON THE HIGH SIDE SHALL BE FLUSH WITH THE LIP.

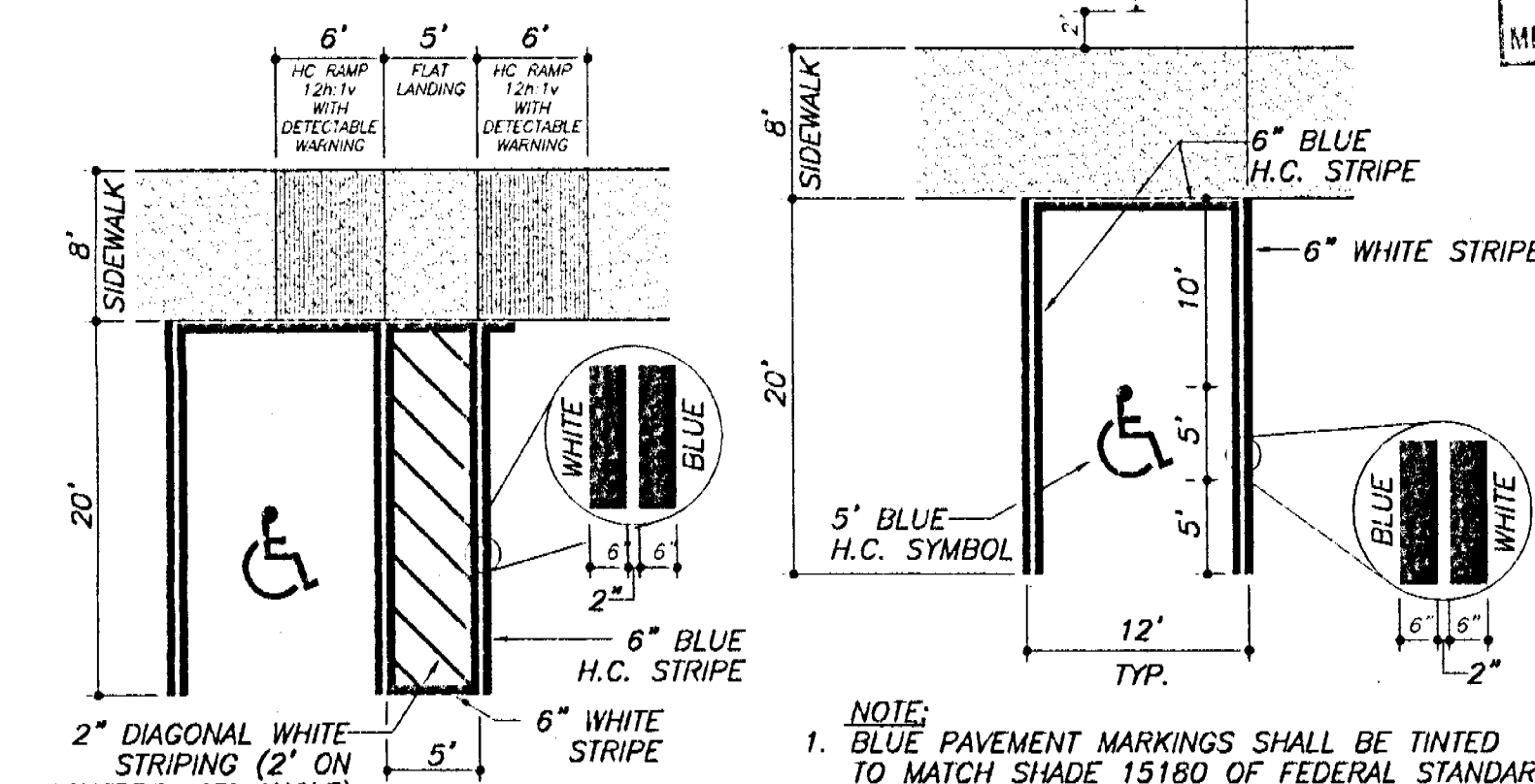
NOTE: EXISTING UNDERGROUND UTILITIES MEANDER WITHIN THE RIGHT OF WAY. SEE OFF-SITE FORCE MAIN PLAN FOR LOCATIONS.

PROPOSED 18" FLARED END  
INV. = 19.50



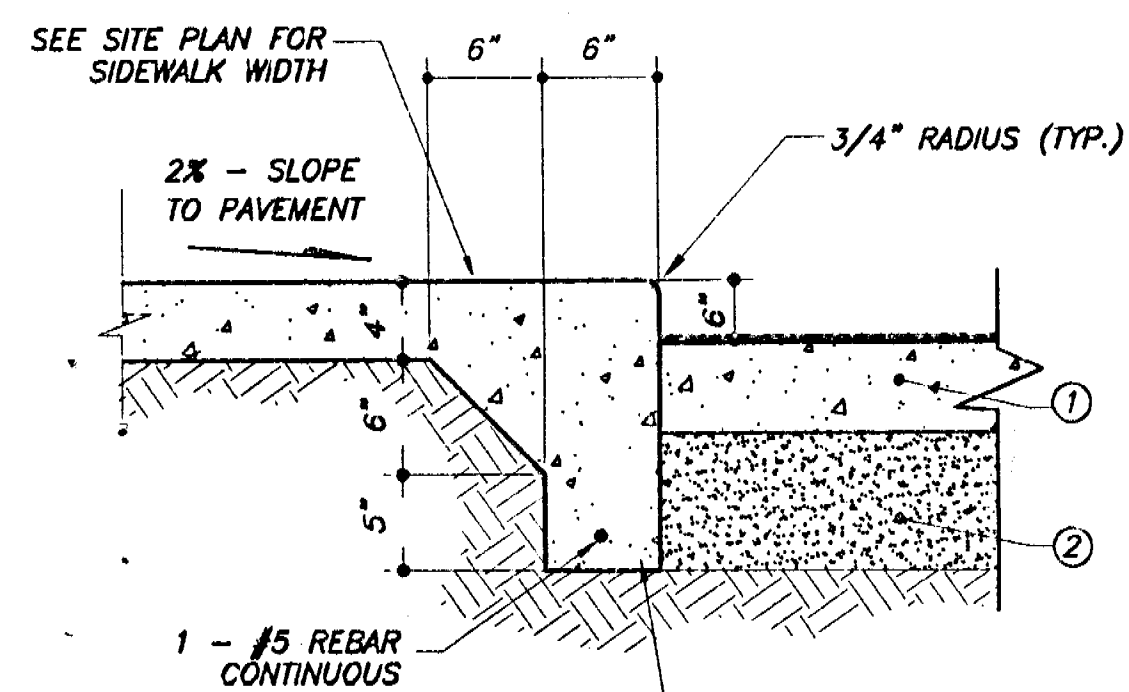
**HANDICAP SIGN**

NOTES:  
TOP PORTION OF FTP 25 SHALL HAVE A REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER.  
BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.  
SIGNS ARE TO BE MOUNTED AT STANDARD HEIGHT, (7' FROM FINISHED GRADE TO BOTTOM OF SIGN).  
INCLUDE VIOLATION SIGN FINE NOTIFICATION SIGN SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.



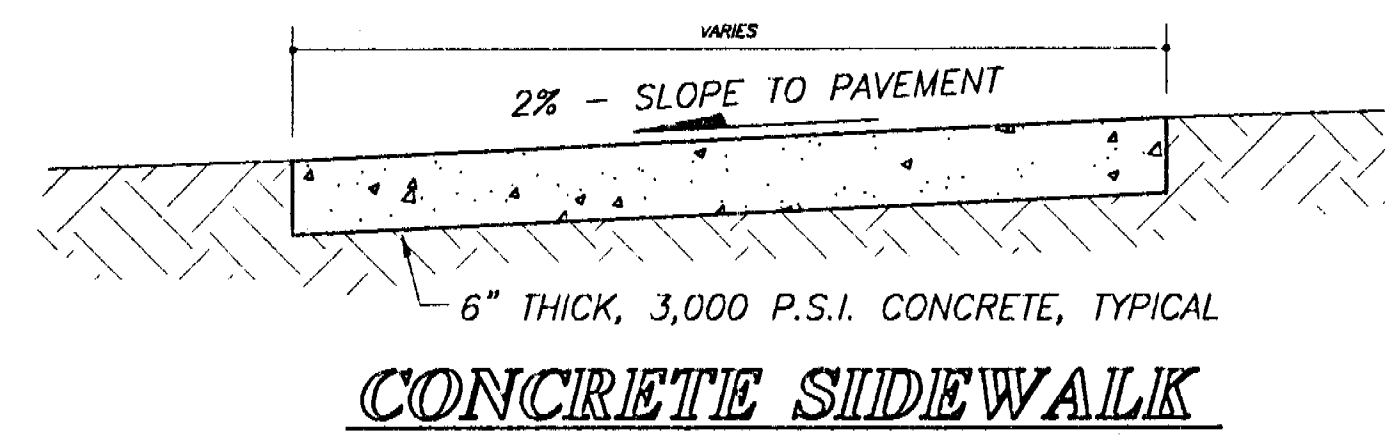
**ACCESS AISLE**

**HANDICAP PARKING STALL**



**SIDEWALK FOOTING DETAIL**

N.T.S.



**CONCRETE SIDEWALK**

N.T.S.

**LEE ENGINEERING, INC.**  
1275 South Patrick Drive, Suite H  
Satellite Beach, Florida 32937  
(407) 777-6270

**7-Eleven, Wickham & Nasa**  
for Robert L. Cochran, Inc.  
CROSS SECTIONS and  
MISCELLANEOUS DETAILS

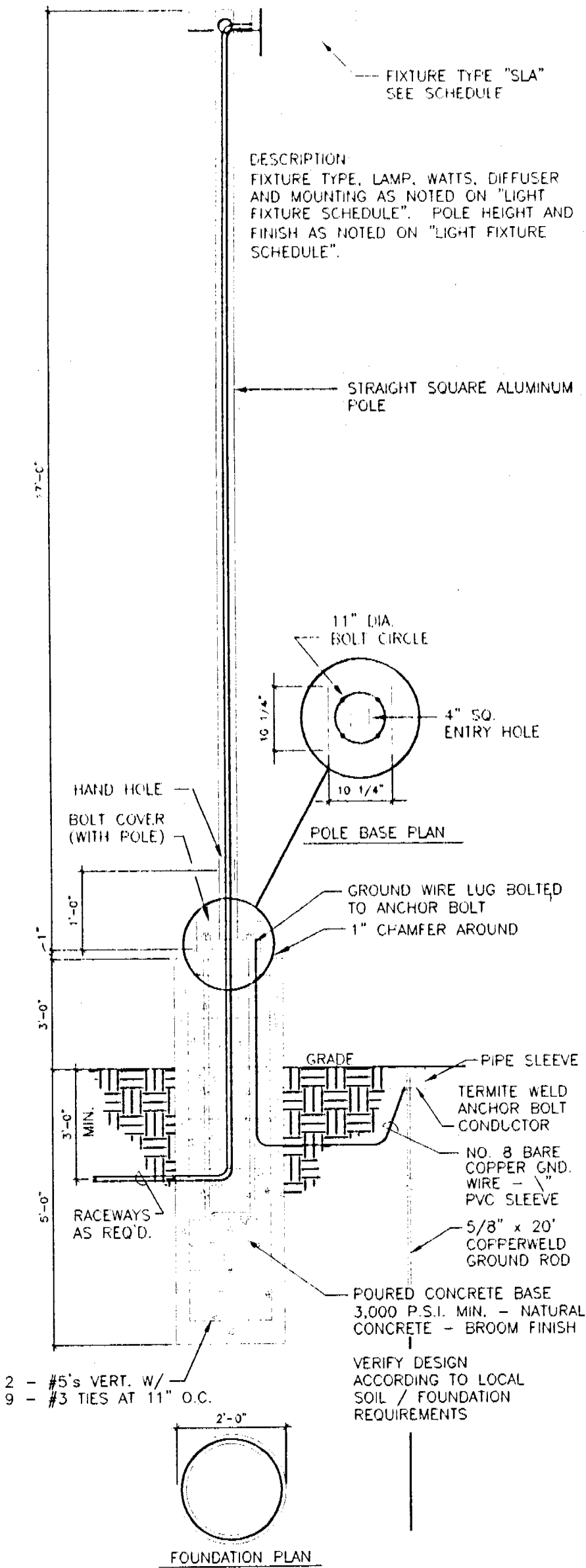
RECEIVED  
MAY 8 1998  
42-04-268-AN-00  
MELBOURN STATUS DATE

P	PRELIMINARY	111-4
A	ISSUED FOR APPROVALS	XSECS
B	ISSUED FOR BIDDING ONLY	N/A
RC	RELEASED FOR CONSTRUCTION	N/A
RD	RECORD DWG	N/A
CK	CHECK PRINT	N/A
JOB No.:	111-4	
FILE:	XSECS	
VP-1:	N/A	
VP-2:	N/A	
VP-3:	N/A	
VP-4:	N/A	
VP-5:	N/A	
VP-6:	N/A	
VP-7:	N/A	
VP-8:	N/A	
DATE:	01-30-98	
SCALE:	NOTED	
SHEET No.:	3 of 9	
ENGINEER OF RECORD		

MAY 07 1998  
FL PE # 41077

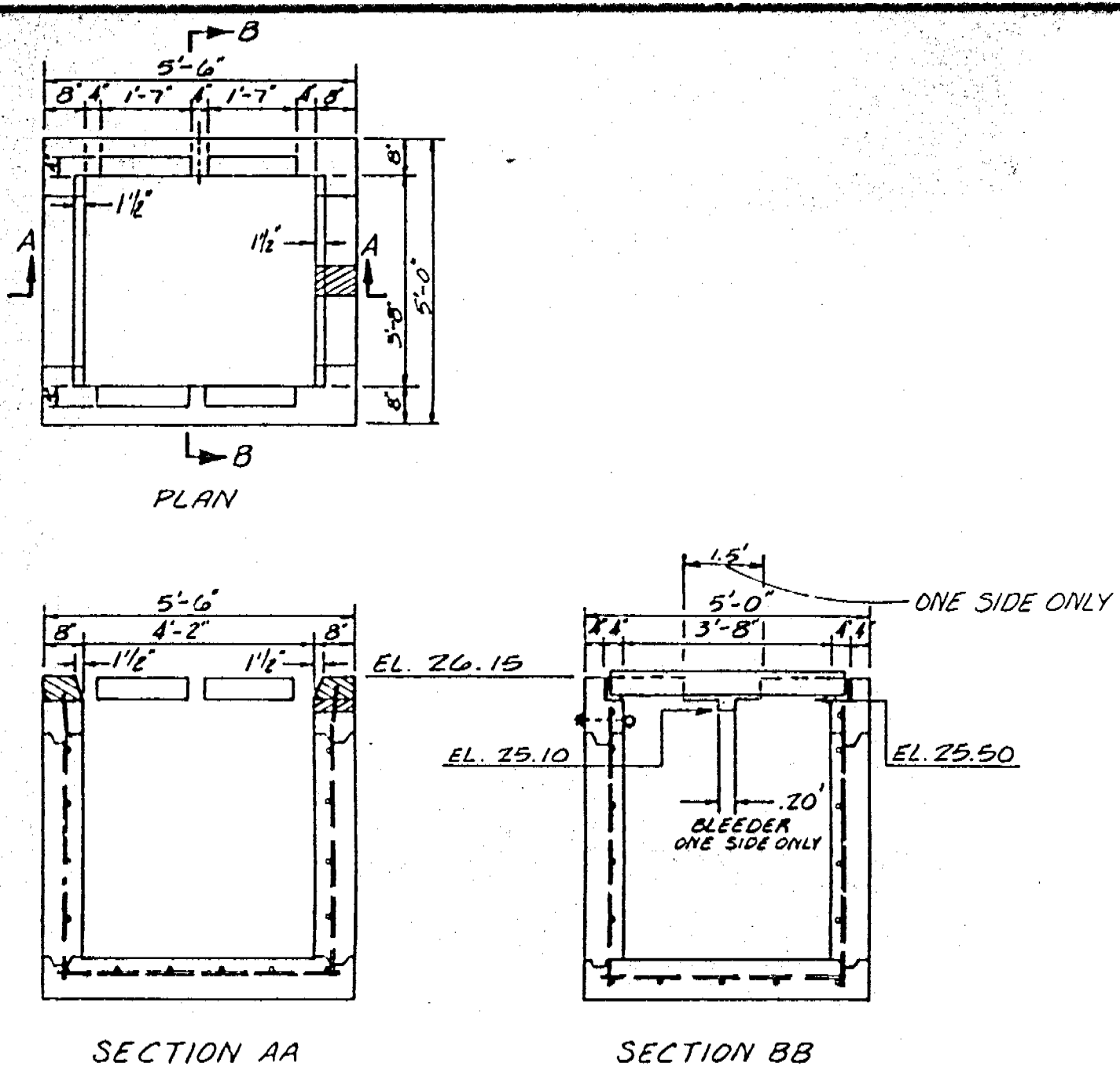
SITE LIGHTING FIXTURE SCHEDULE	
MARK	DESCRIPTION
SLA	POLE MOUNTED, DUAL-HEAD, H.I.D. LIGHT FIXTURE WITH 400 WATT METAL HALIDE LAMP. FIXTURE SHALL BE WHITEWAY, "LINCOLN" CAT #LH1-PM-M400SMH-MT-DBZ (TWO (2) FIXTURES REQ'D.) WITH POLE #17-SQA-514-DBL-90-DBZ COLOR (5" SQUARE ALUMINUM POLE). PROVIDE BASE PLATE, ANCHOR BOLTS AND BASE COVER PACKAGE - MOUNT PER DETAIL. LUMINARIES SHALL BE MOUNTED AT 90 DEGREES OR AS SHOWN ON SITE LIGHTING PLAN.
SLB	SAME AS ABOVE EXCEPT FOR THIS FIXTURE WILL BE A THREE-HEADED UNIT (THREE (3) FIXTURES REQ'D.) WITH POLE #17-SQA-514-TPL-90-DBZ COLOR (5" SQUARE ALUMINUM POLE). PROVIDE BASE PLATE, ANCHOR BOLTS AND BASE COVER PACKAGE - MOUNT PER DETAIL.
SLC	SAME AS ABOVE EXCEPT FOR THIS FIXTURE WILL BE A SINGLE-HEADED UNIT. (ONE (1) FIXTURE REQ'D.) WITH POLE #17-SQA-514-SGL-DBZ COLOR (5" SQUARE ALUMINUM POLE). PROVIDE BASE PLATE, ANCHOR BOLTS AND BASE COVER PACKAGE - MOUNT PER DETAIL.
SLD	SAME AS ABOVE EXCEPT FOR THIS FIXTURE WILL BE A QUAD-HEADED UNIT. (FOUR (4) FIXTURES REQ'D.) WITH POLE #17-SQA-514-QUAD-DBZ COLOR (5" SQUARE ALUMINUM POLE). PROVIDE BASE PLATE, ANCHOR BOLTS AND BASE COVER PACKAGE - MOUNT PER DETAIL.
WP	WALL MOUNT LIGHT FIXTURE - WHITEWAY "WALL GAUDD II" CAT. #WG2-250MH-MT-DBZ. MOUNT PER MANUFACTURER SPECIFICATIONS.
C1	CANOPY LIGHT FIXTURE WHITEWAY "RIVIERA" CAT. #RA-400 SMH-MT-WHITE.

WIND LOAD DATA	
E.P.A. RATINGS FOR LIGHT FIXTURES.	
SINGLE HEAD RATING IS 2.6 E.P.A.	
DOUBLE HEAD 90° RATING IS 4.3 E.P.A.	
DOUBLE HEAD 180° RATING IS 5.2 E.P.A.	
TRIPLE HEAD 90° RATING IS 6.8 E.P.A.	
QUAD HEAD 90° RATING IS 6.8 E.P.A.	
WHITEWAY POLE CAT. #17-SQA-514 IS RATED:	
8 E.P.A. FOR 100 M.P.H. WIND LOAD	
6.8 E.P.A. FOR 110 M.P.H. WIND LOAD	
4.5 E.P.A. FOR 120 M.P.H. WIND LOAD	



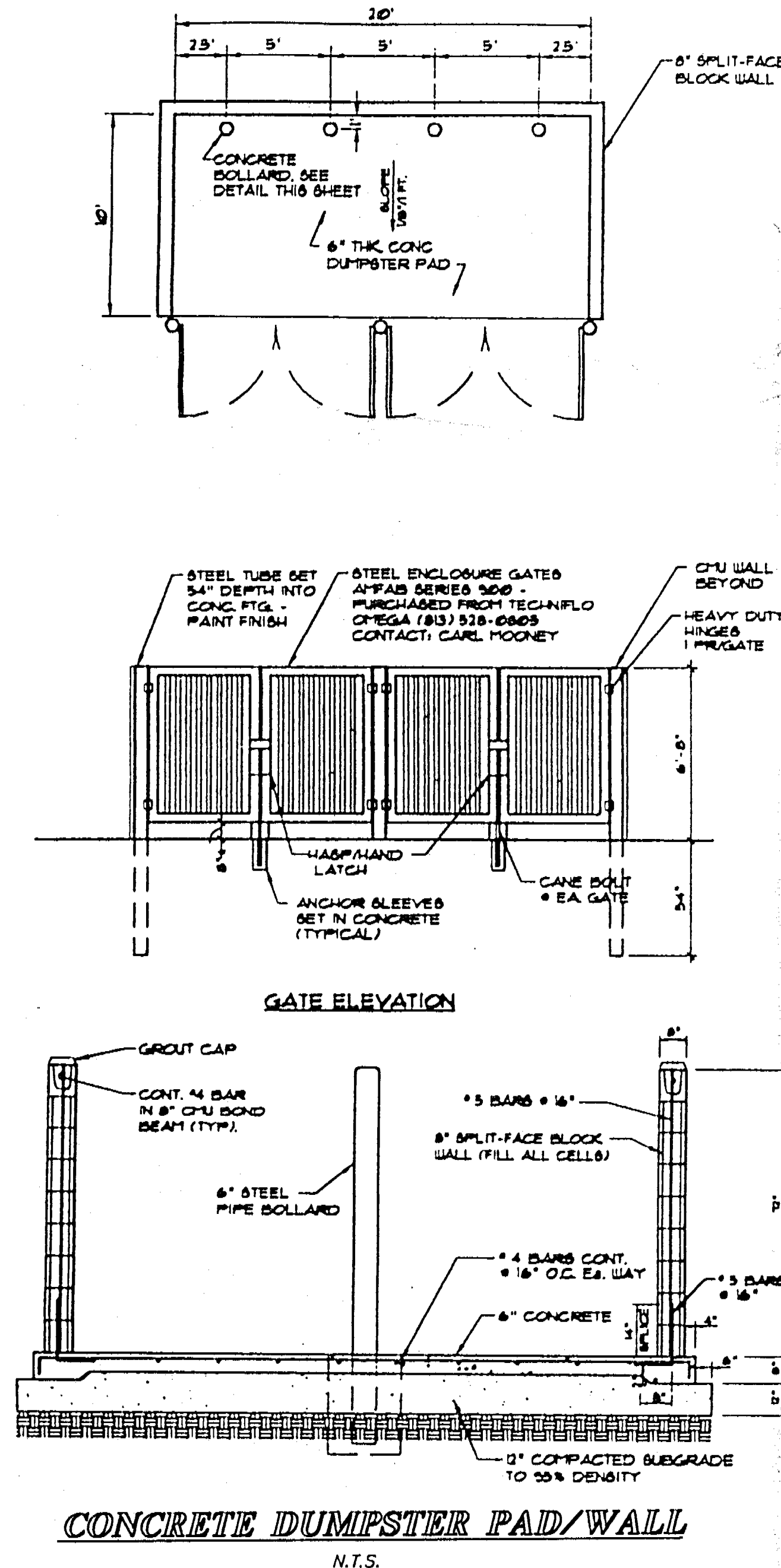
1 SITE LIGHTING POLE AND BASE DETAIL NTS

**GENERAL NOTE**  
 (FOR LESSOR LOCATIONS ONLY)  
 LIGHT FIXTURES MUST BE PURCHASED BY FLORIDA "WHITEWAY" REPRESENTATIVE. "POPE AND ASSOCIATES" CONTACT: GENE POPE ADDRESS: 6948 W. MOHAWK AVENUE TAMPA, FL. 33664 PHONE: (813) 888-9909 FAX: (813) 888-9795  
 CONCRETE LIGHT POLE BASE TO RECEIVE A SMOOTH "SKIMCOAT" TO THE SURFACE.

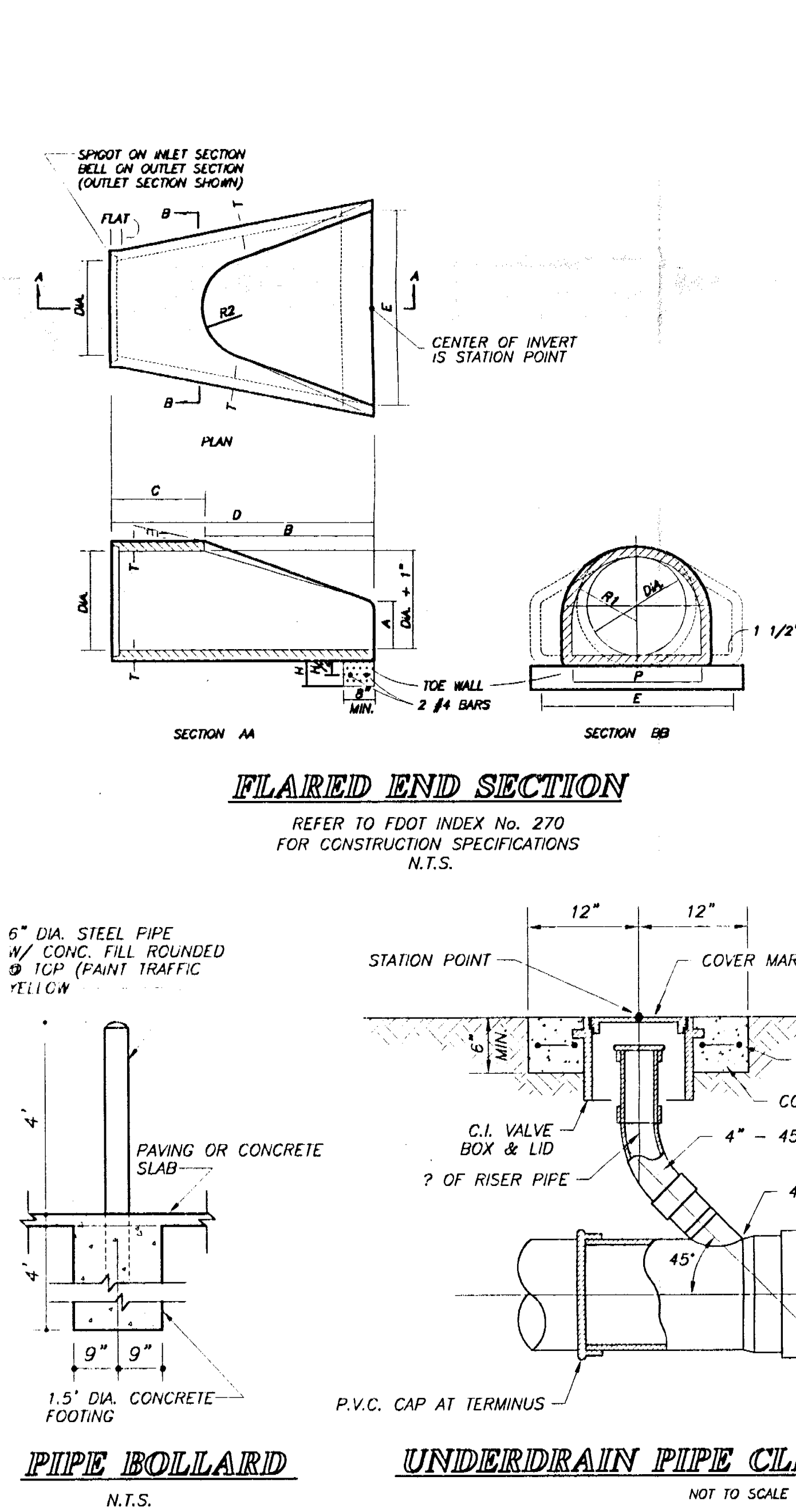


WICKHAM - S

NASA - B



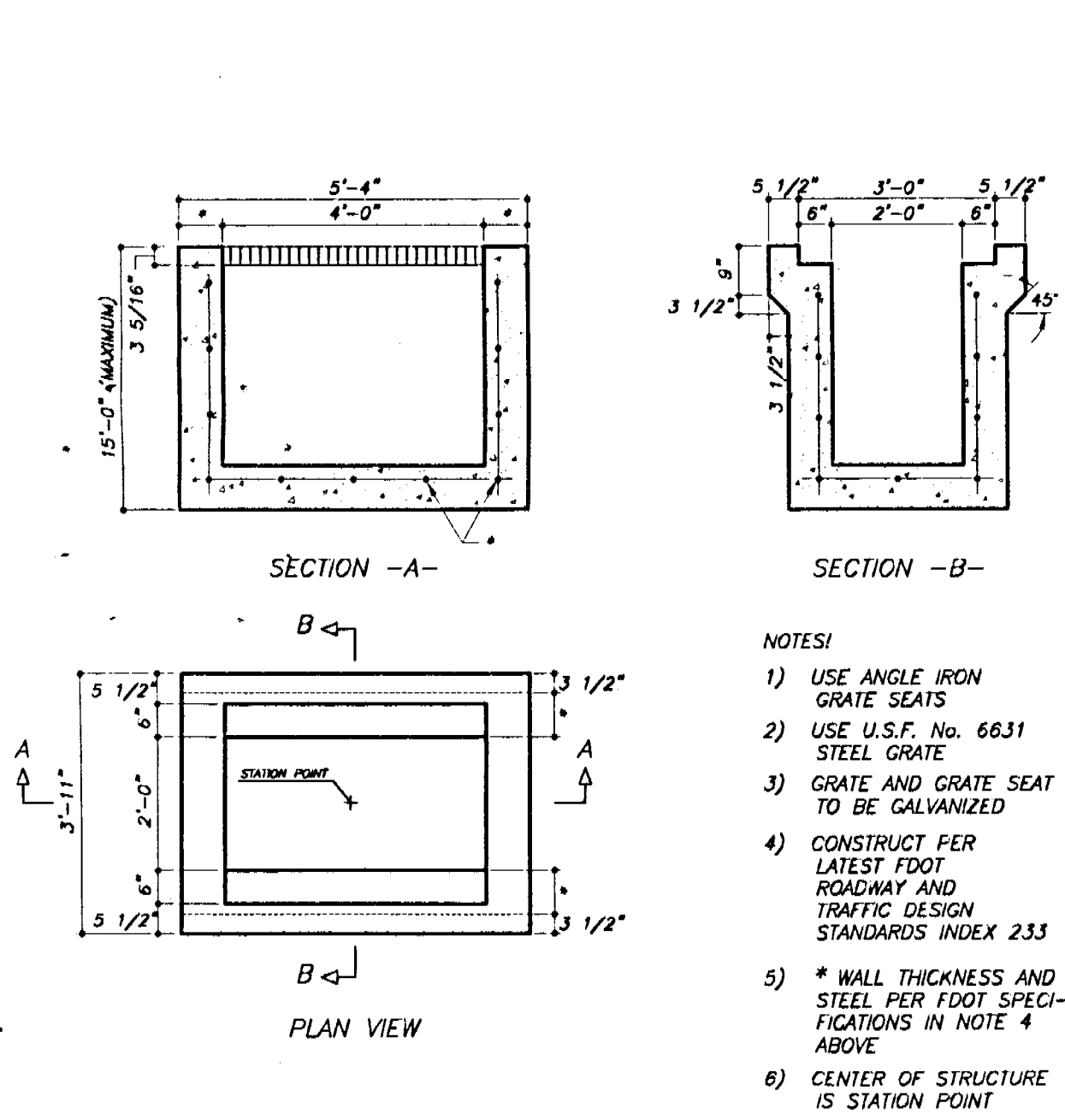
CONCRETE DUMPSTER PAD/WALL N.T.S.



PIPE BOLLARD N.T.S.

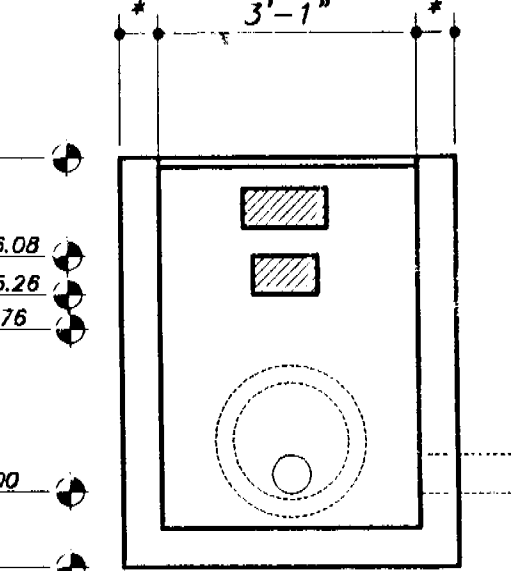
UNDERDRAIN PIPE CLEANOUT DETAIL NOT TO SCALE

CONTROL STRUCTURE, DS-8 MODIFIED TYPE "C" INLET, REFER TO FOOT INDEX No. 232 FOR CONSTRUCTION SPECIFICATIONS



TYPE "F" INLET DETAIL TYPE "F" INLET, REFER TO FOOT INDEX No. 233 FOR CONSTRUCTION SPECIFICATIONS

- NOTES:
- 1) USE ANGLE IRON GRATE SEATS
  - 2) CONSTRUCT PER LATEST FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDICES 201 AND 232
  - 3) \* WALL THICKNESS AND STEEL PER FOOT SPECIFICATIONS IN NOTE 3 ABOVE
  - 4) CENTER OF STRUCTURE IS STATION POINT
  - 5) USE USF No. 6615 GALVANIZED STEEL GRATE



UNDERDRAIN DETAIL NOT TO SCALE

**LEE ENGINEERING, INC.**  
 1275 South Patrick Drive, Suite H  
 Satellite Beach, Florida 32937  
 (407) 777-6270

**7-Eleven, Wickham & Nasa**  
 for Robert L. Cochran, Inc.  
 DRAINAGE and MISCELLANEOUS DETAILS

DATE	STATUS	REVISION
MAY 8 1998	ISSUED FOR APPROVAL	1
MAY 8 1998	ISSUED FOR APPROVAL	2
MAY 8 1998	ISSUED FOR APPROVAL	3
MAY 8 1998	ISSUED FOR APPROVAL	4
MAY 8 1998	ISSUED FOR APPROVAL	5
MAY 8 1998	ISSUED FOR APPROVAL	6
MAY 8 1998	ISSUED FOR APPROVAL	7
MAY 8 1998	ISSUED FOR APPROVAL	8
MAY 8 1998	ISSUED FOR APPROVAL	9
MAY 8 1998	ISSUED FOR APPROVAL	10

6 of 9  
 ENGINEER OF RECORD  
 MAY 07 1998  
 FL PE # 41077