#15

[redacted] (1)

St Johns

misc-4417

Oversized Drawings

1723

68272-8

8-images

PARTIAL TOPOGRAPHIC SURVEY

LEGAL DESCRIPTION:

ALL OF TRACTS 52, 51, 46, 45, 36, AND THAT PORTION OF TRACTS 35, 37, 38, 44, 53, AND 54 AS SHOWN ON LAKE HIGHLANDS COMPANY PLAT IN SECTION 28, TOWNSHIP 22 SOUTH, RANGE 26 EAST, AS RECORDED IN PLAT BOOK 2, PAGE 28, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA DESCRIBED AS FOLLOWS:

BEGIN AT THE SOUTHEAST CORNER OF TRACT 51; SAID CORNER ALSO BEING ON THE NORTH LINE OF GREATER PINES PHASE II SUBDIVISION AS RECORDED IN PLAT BOOK 36, PAGES 18–19; PUBLIC RECORDS OF LAKE COUNTY, FLORIDA; THENCE RUN S89°38'58"W ALONG THE SOUTH LINE OF TRACTS 51 AND 52 A DISTANCE OF 1321.00 FEET TO THE CENTERLINE OF A 30.00 FOOT WIDE ROAD AS SHOWN ON SAID PLAT OF LAKE HIGHLANDS COMPANY; THENCE RUN S89°51'48"W ALONG THE SOUTH LINE OF TRACTS 53 AND 54 A DISTANCE OF 1173.98 FEET TO A POINT ON A CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 790.00 FEET TO WHICH A RADIAL LINE BEARS S24°26'09"E, THENCE NORTHEASTERLY ALONG THE ARC THEREOF, THROUGH A CENTRAL ANGLE OF 14°35'42" FOR 201.24 FEET; THENCE N50°58'08"E 84.94 FEET TO THE POINT OF CURVATURE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 760.00 FEET, THENCE RUN NORTHEASTERLY ALONG THE ARC THEREOF, THROUGH A CENTRAL ANGLE OF 19°32'24" FOR 259.19 FEET; THENCE N31°25'44"E FOR 433.12 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 760.00 FEET, THENCE NORTHEASTERLY ALONG THE ARC THEREOF, THROUGH A CENTRAL ANGLE OF 31°34'40" FOR 418.86 FEET; THENCE N00°08'56"W 197.42 FEET TO THE POINT OF CURVATURE CONCAVE WESTERLY AND HAVING A RADIUS OF 760.00 FEET, THENCE RUN NORTHWESTERLY ALONG THE ARC THEREOF, THROUGH A CENTRAL ANGLE OF 22°47'57" FOR 302.42 FEET; THENCE N22°56'53"W A DISTANCE OF 411.51 FEET TO THE NORTH LINE OF TRACT 38 AND THE CENTERLINE OF A 30.00 FOOT WIDE ROADWAY AS SHOWN ON THE LAKE HIGHLAND COMPANY PLAT; SAID CENTERLINE ALSO BEING THE NORTH LINE OF THE SOUTH 1/2 OF SECTION 28; THENCE ALONG SAID CENTERLINE RUN N89°48'50"E A DISTANCE OF 1936.92 FEET TO THE SOUTHWESTERLY LINE OF A 170.00 FOOT WIDE RIGHT-OF-WAY FOR THE FLORIDA POWER CORPORATION CENTRAL FLORIDA- WINDERMERE 240 KV TRANSMISSION LINE; THENCE RUN S16°37'25"E ALONG SAID LINE A DISTANCE OF 174.79 FEET TO THE INTERSECTION WITH THE EAST LINE OF TRACT 35; THENCE RUN S00°27'55"W ALONG THE EAST LINE OF TRACT 35 A DISTANCE OF 494.78 FEET TO THE SOUTHEAST CORNER THEREOF; SAID CORNER ALSO BEING THE NORTHWEST CORNER OF GREATER PINES PHASE I SUBDIVISION AS RECORDED IN PLAT BOOK 34, PAGES 27–28, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA; THENCE CONTINUE S00°27'55"W ALONG WEST LINE OF SAID GREATER PINES SUBDIVISION AND THE EAST LINE OF TRACTS 46 AND 51 A DISTANCE OF 1324.89 FEET TO THE SOUTHEAST CORNER OF TRACT 51 AND THE POINT OF BEGINNING.

NOTES:

1. REPRODUCTIONS OF THIS SURVEY ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

2. THE BOUNDARY AND DESCRIPTION ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. REFERENCE BOUNDARY SURVEY PREPARED BY FARNER, BARLEY, AND ASSOCIATES, INC. JOB No. 031275 WITH REVISED DATE 04/21/04.

3. BEARINGS SHOWN HEREON ARE BASED ON THE NORTH LINE OF THE SOUTHEAST 1/4 OF SECTION 28 AS BEING N89°48'50"E GRID AZIMUTH.

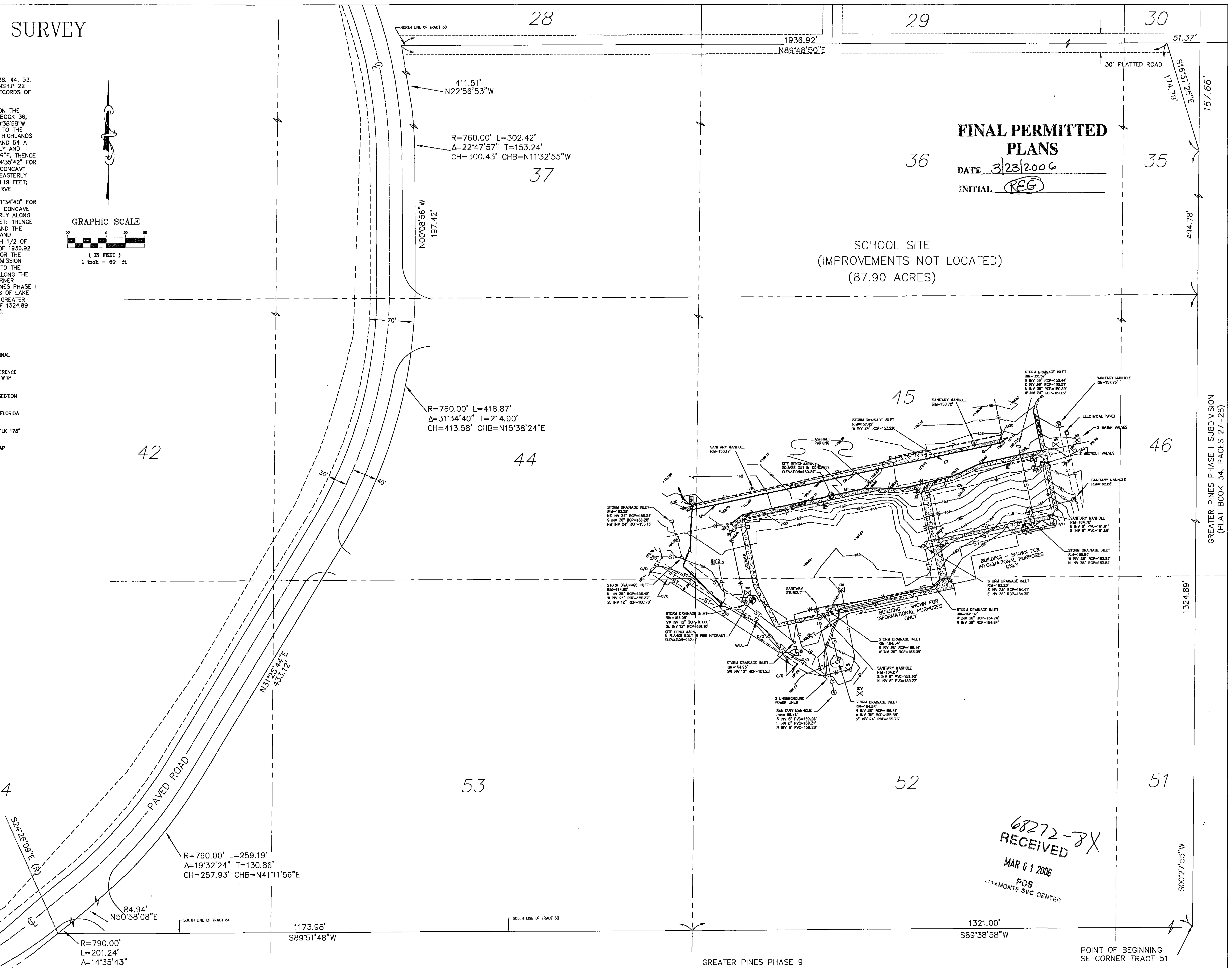
4. UNDERGROUND UTILITIES SHOWN ARE BASED ON FIELD LOCATIONS PROVIDED BY CENTRAL FLORIDA LOCATING, BUSHNELL, FL.

5. VERTICAL INFORMATION IS BASED ON LAKE COUNTY DATA DESIGNATED AS "LK 177" AND "LK 178" ELEVATIONS 209.171 AND 254.654, RESPECTIVELY, NAVD 1988.

6. LANDS SHOWN HEREON LIES IN FLOOD ZONE X ACCORDING TO FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 12069C0565 D EFFECTIVE DATE: JULY 3, 2002.

LEGEND

IRC	IRON ROD & CAP	Ⓢ	SANITARY MANHOLE
POB	POINT OF BEGINNING	R/W	RIGHT-OF-WAY
℄	CENTERLINE	CM	CONCRETE MONUMENT
LB	LICENSED BUSINESS	CLF	CHAIN LINK FENCE
RLS	REGISTERED LAND SURVEYOR	—X—	FENCE LINE
PSM	PROFESSIONAL SURVEYOR AND MAPPER	T	TELEPHONE BOX
EP	EDGE OF PAVEMENT	←	GUY WIRE
—OHU—	OVERHEAD UTILITIES	PP	POWER POLE
R	RADIUS	Δ	CENTRAL ANGLE
T	TANGENT	CHB	CHORD BEARING
CH	CHORD		FIRE HYDRANT
L	LENGTH	C/O	DRAINAGE CLEAN OUT
(R)	RADIAL	E	ELECTRIC BOX
INV	INVERT		
ICV ⊠	IRRIGATION CONTROL VALVE	PVC	POLYVINYL CHLORIDE
WV ⊠	WATER VALVE	RCP	REINFORCED CONCRETE PIPE
		BOC	BACK OF CURB
GV ⊠	GAS VALVE	---ST---	UNDERGROUND STORM DRAINAGE
		---S---	UNDERGROUND SANITARY
	POWER POLE	---W---	UNDERGROUND WATER
☼	LIGHT POST	---P---	UNDERGROUND POWER
x122.22	SPOT SHOT	---T---	UNDERGROUND TELEPHONE



GREATER PINES PHASE 10
(PLAT BOOK 48, PAGE 83)

GREATER PINES PHASE 9
(PLAT BOOK 48, PAGES 80–81)

CERTIFIED TO:
LAKE COUNTY SCHOOL BOARD

JENNINGS E. GRIFFIN, P.S.M. 4486 DATE
STATE OF FLORIDA
THE DATE OF THE FIELD WORK IS REFLECTED IN THE TITLE BLOCK AND NOT THE DATE OF SIGNATURE.

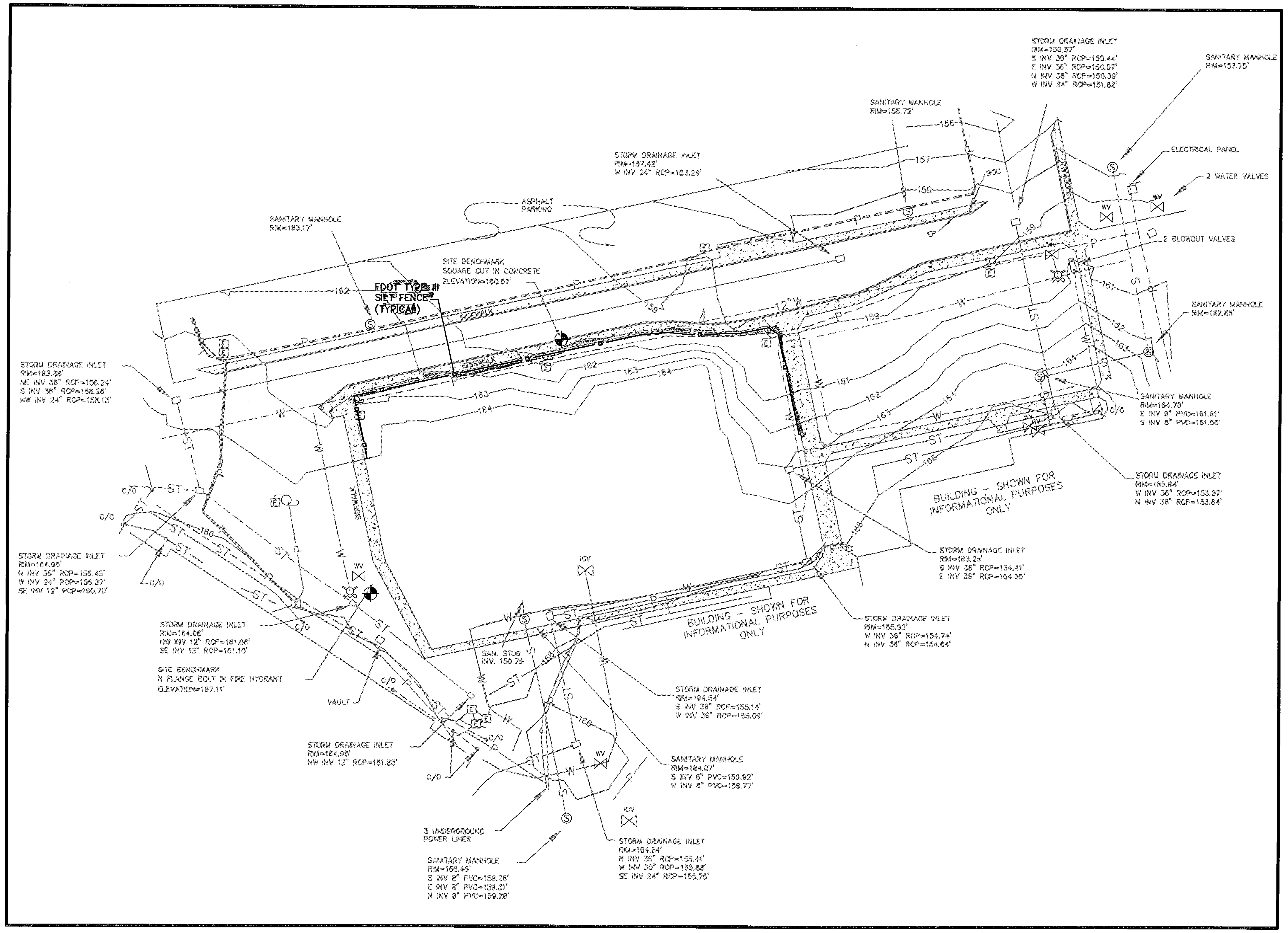
SHEET 1 OF 1

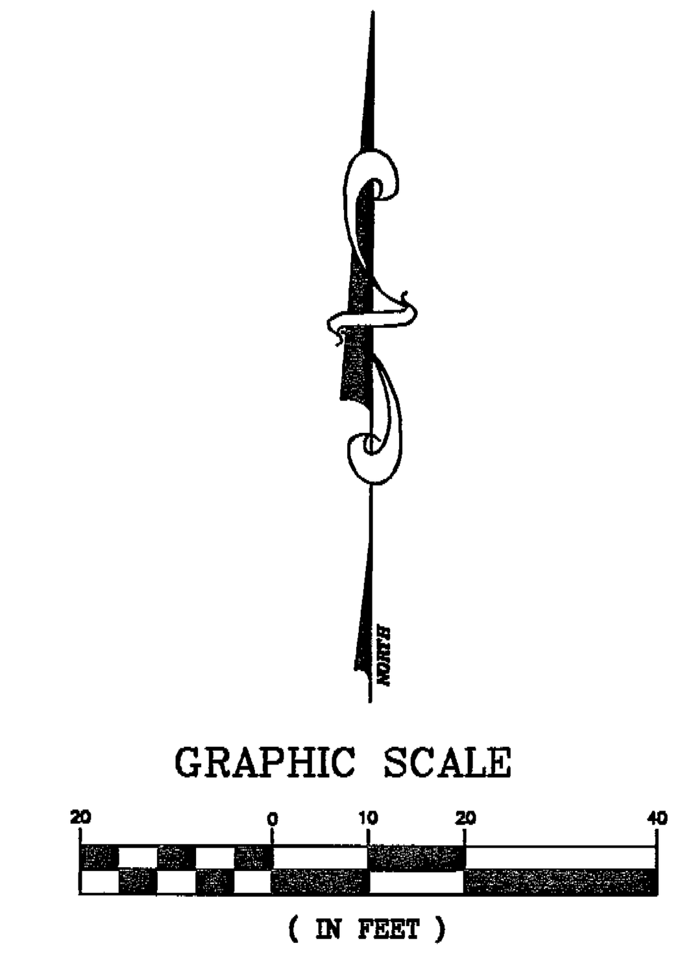
CLIENT	LAKE COUNTY SCHOOL BOARD
JOB NO.	051365
ACAD FILE	051365_EHS_PARTIAL TOPO.dwg
DATE	12-12-05 CHECKED BY: JEG
DRAWN BY:	TRS/JCM/JP FLD. BOOK: 05-37/03
REVISIONS	DATE

PARTIAL TOPOGRAPHIC SURVEY
IN SECTION 28, TOWNSHIP 22 SOUTH, RANGE 26 EAST, LAKE COUNTY

EASTRIDGE HIGH SCHOOL

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
LB 4709
350 NORTH SINCLAIR AVENUE – TAVARES, FL 32778 – (352) 343-8481



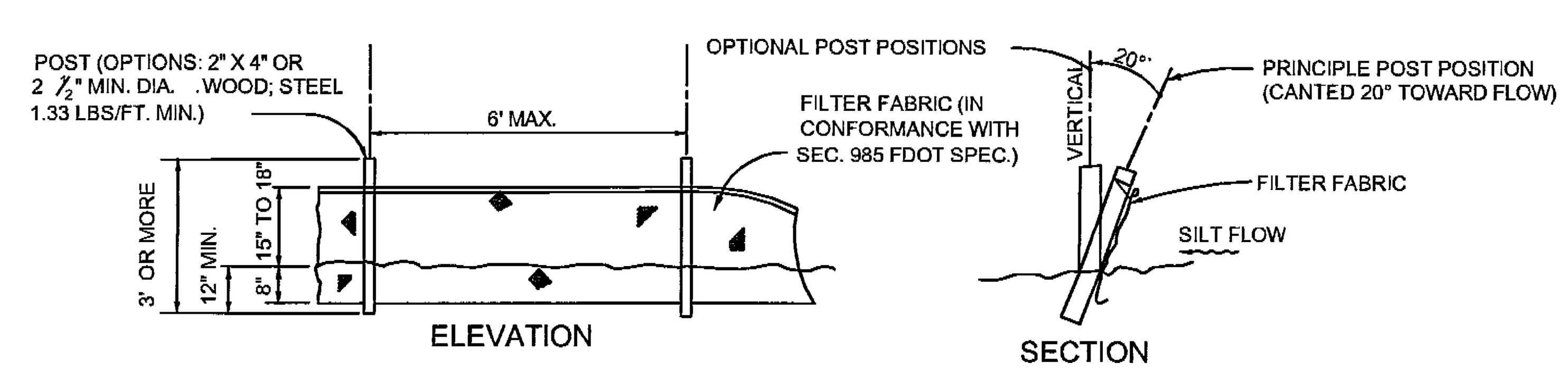


DEMOLITION NOTES

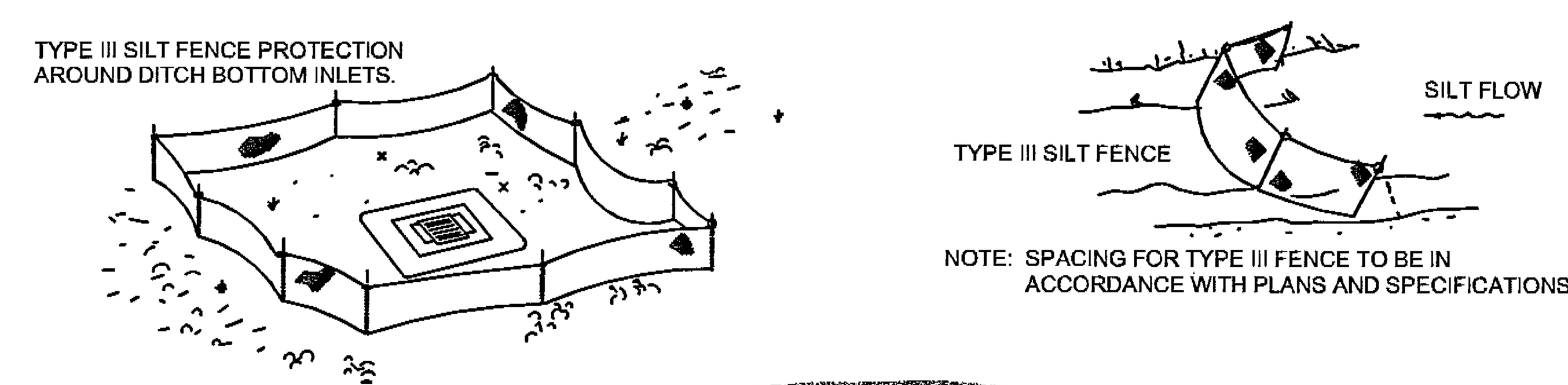
1. STORM SEWER LINES IN ALL BUILDING AND PAVEMENT AREAS SHALL BE DEMOLISHED, REMOVED FROM SITE, AND DISPOSED IN AN APPROVED WASTE DISPOSAL AREA.
2. UTILITY LINES SHALL BE DEMOLISHED AND REMOVED OR LEFT IN PLACE AS REQUIRED BY THE UTILITY DEPARTMENT, LOCAL REQUIREMENTS AND THE HEALTH DEPARTMENT. ANY CONDUITS THAT ARE LEFT IN PLACE SHALL HAVE ENDS SEALED WITH LEAN CONCRETE.
3. "BUILDING AREAS" SHALL BE CLEANED OF ALL EXISTING PAVEMENT, BUILDING SLABS, FOOTINGS, FOUNDATIONS, UTILITIES AND SEWERS. NO EXISTING IMPROVEMENTS SHALL BE LEFT UNDER PROPOSED BUILDING AREAS UNLESS OTHERWISE NOTED.
4. ALL AREAS WHERE PAVEMENT, BUILDING SLABS, FOUNDATIONS, UTILITIES, CONDUITS, AND/OR UTILITY STRUCTURES HAVE BEEN REMOVED SHALL BE BACK FILLED WITH SELECT BACK FILL MATERIAL. ALL SELECT BACK FILL MATERIAL SHALL BE PLACED AND COMPACTED PER THE REQUIREMENTS OF THE SPECIFICATIONS AND THE ON-SITE GEOTECHNICAL ENGINEER.
5. TREE REMOVAL SHALL BE PERFORMED IN A SAFE MANNER AND UNDER THE CONSTRUCTION MANAGER'S SUPERVISION.

EROSION CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO STANDARDS OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
2. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
3. SOIL MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED AND NOT ALLOWED TO COLLECT ON ANY OFF-PERIMETER AREAS OR IN WATERWAYS. THESE INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
4. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF EROSION/SEDIMENT CONTROL EFFORTS. ANY NECESSARY REMEDIES SHALL BE PERFORMED WITHOUT DELAY.
5. ALL MUD, DIRT, OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING PUBLIC OR PRIVATE ROADS AND FACILITIES FROM THIS SITE, DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
6. ALL PERMANENT EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS AND ANY DISTURBED LAND AREAS SHALL BE COMPLETED WITHIN 15 CALENDAR DAYS AFTER FINAL GRADING.
7. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.
8. THE EROSION CONTROL MEASURES ARE INTENDED AS MINIMUM STANDARDS. ANY EROSION CONTROL REQUIRED BEYOND THAT SPECIFIED SHALL BE CONSIDERED AS INCLUDED WITHIN THIS CONTRACT.

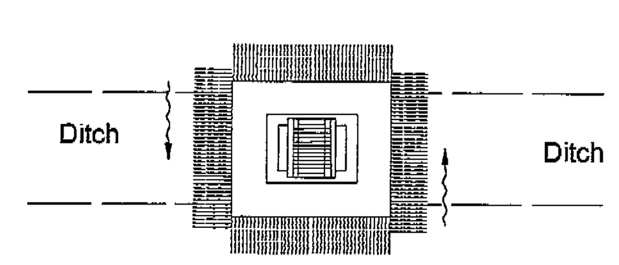


TYPE III SILT FENCE

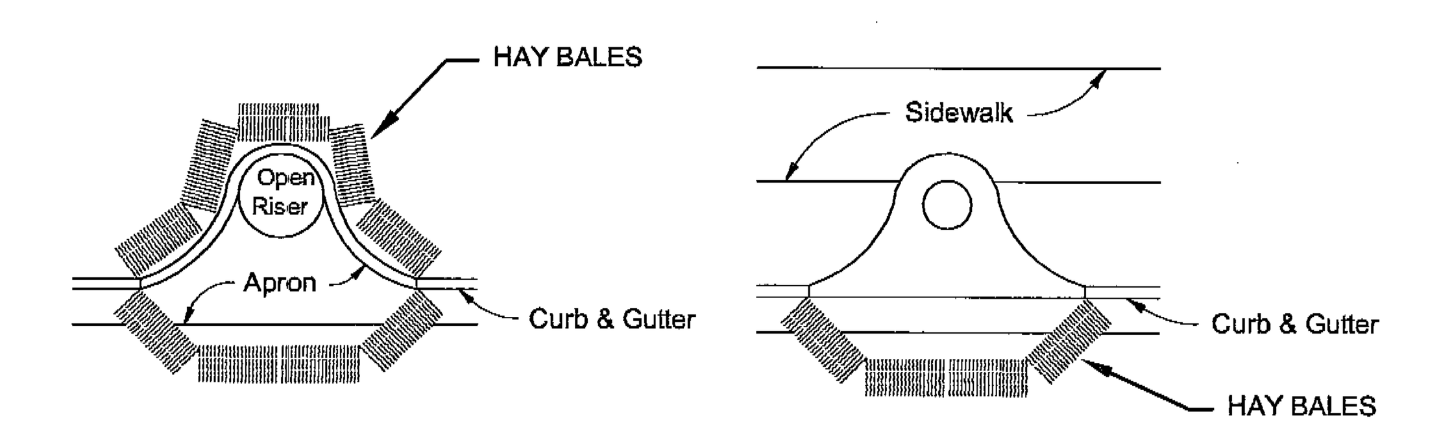


NOTE: SPACING FOR TYPE III FENCE TO BE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS

SILT FENCE APPLICATIONS
N.T.S.



DITCH BOTTOM INLET



PARTIAL INLET

COMPLETED OR EXISTING INLET

ANCHOR BALES WITH 2 - 2" X 2" X 4' STAKES PER BALE.

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES
NTS

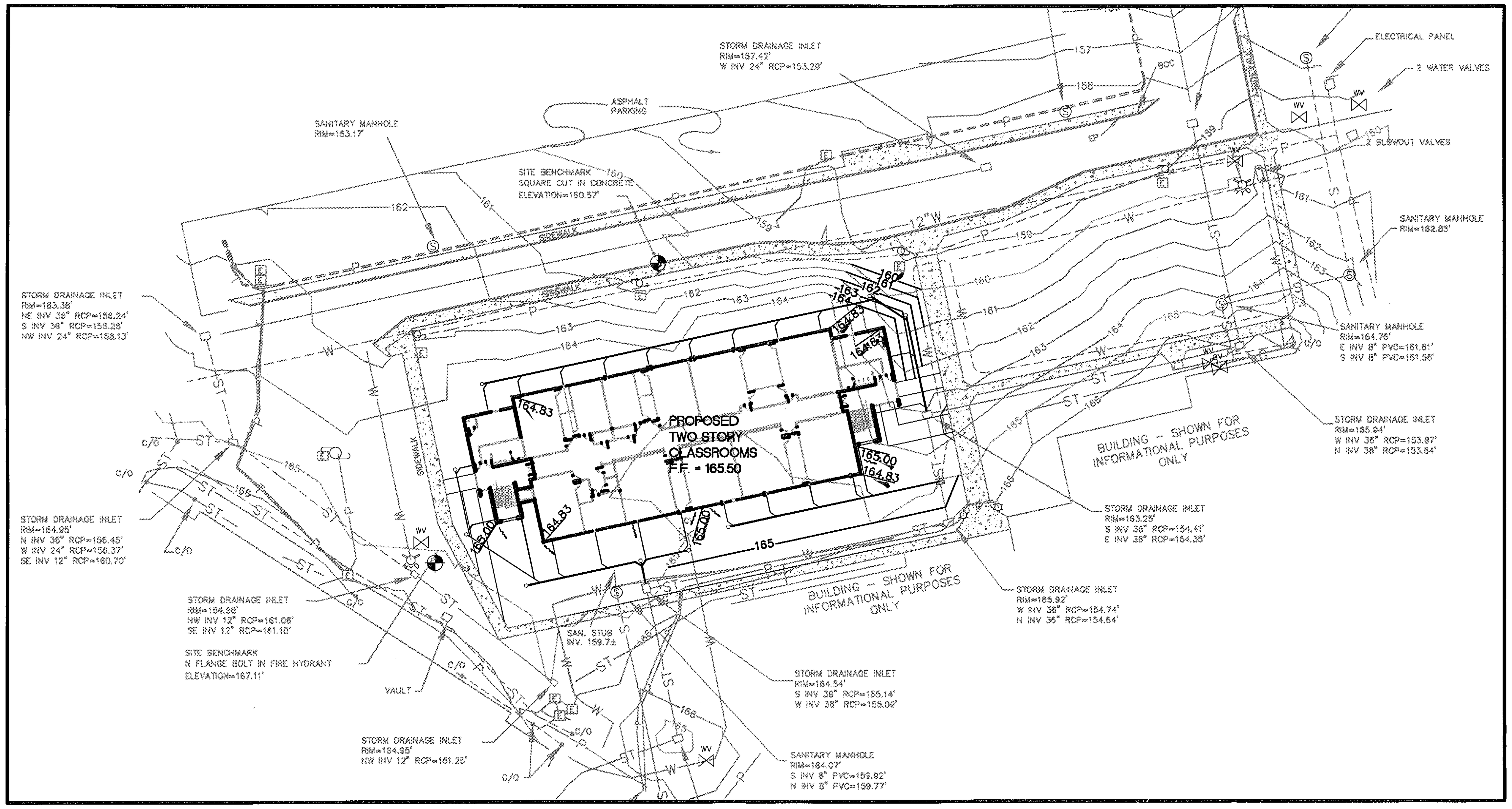
JAY ALAN KLIMA
LICENSE
No. 49945
STATE OF FLORIDA
PROFESSIONAL ENGINEER
[illegible]

SCMH ARCHITECTS
SWILLEY CURTIS MUNDY HUNNICUTT ASSOCIATES ARCHITECTS INC.
1036 SOUTH FLORIDA AVENUE
LAKELAND, FLORIDA 33803-1118
LICENSE NO. AA C000772
ROBERT H. SWILLEY, A.I.A.
JOHN R. CURTIS, A.I.A.
BENJAMIN F. MUNDY, JR., A.I.A.
C. KEITH HUNNICUTT, A.I.A.
EMORY A. ANDERSON, JR., A.I.A.
JONATHAN A. KIRK, A.I.A.
TELEPHONE 863/688-8882
FAX 863/688-8361
INTERNET scmharch.com

49945
JAY A. KLIMA, P.E.

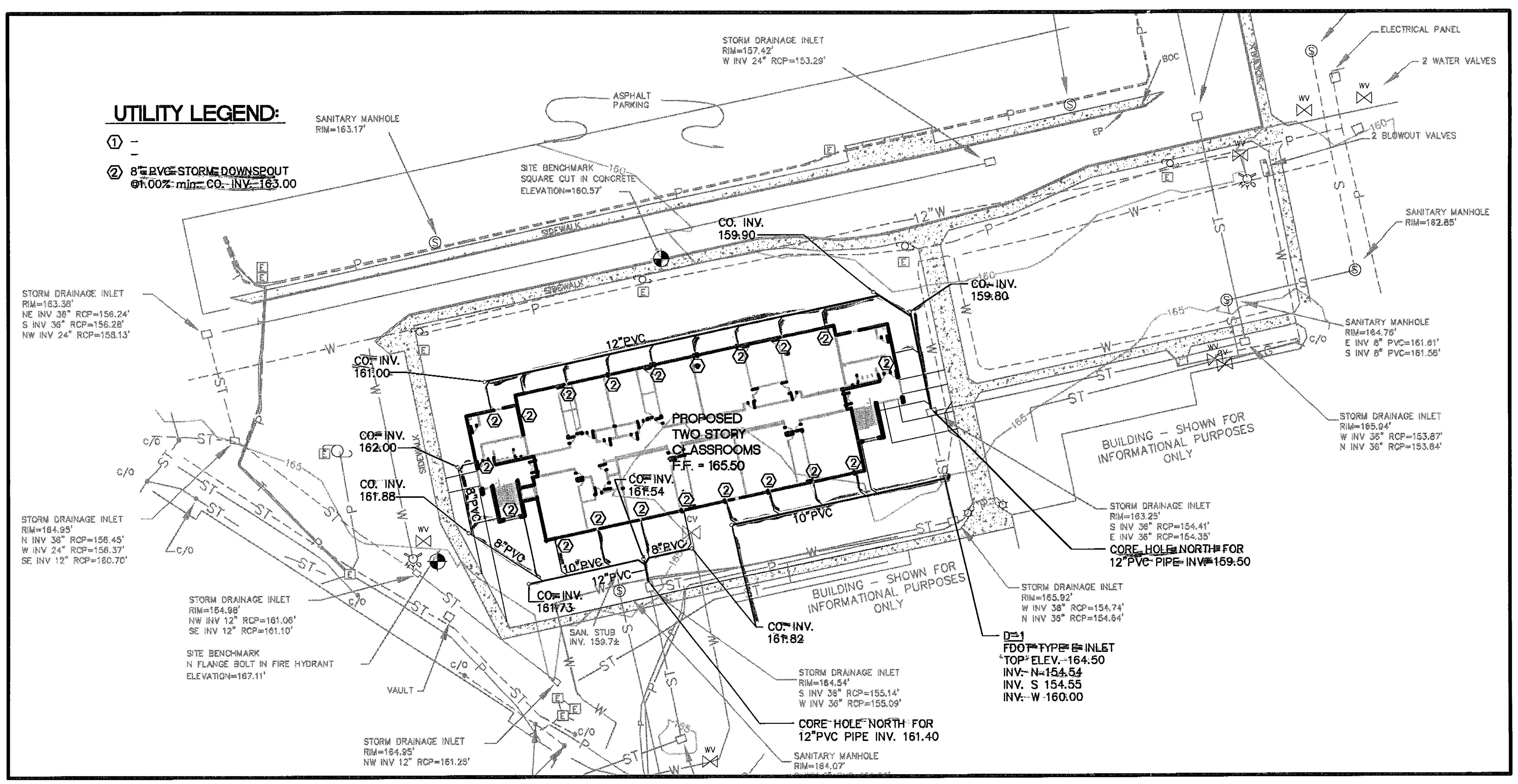
THE SCHOOL BOARD OF LAKE COUNTY
EAST RIDGE HIGH SCHOOL
CLERMONT, FLORIDA
CLASSROOM ADDITION
EROSION CONTROL PLAN

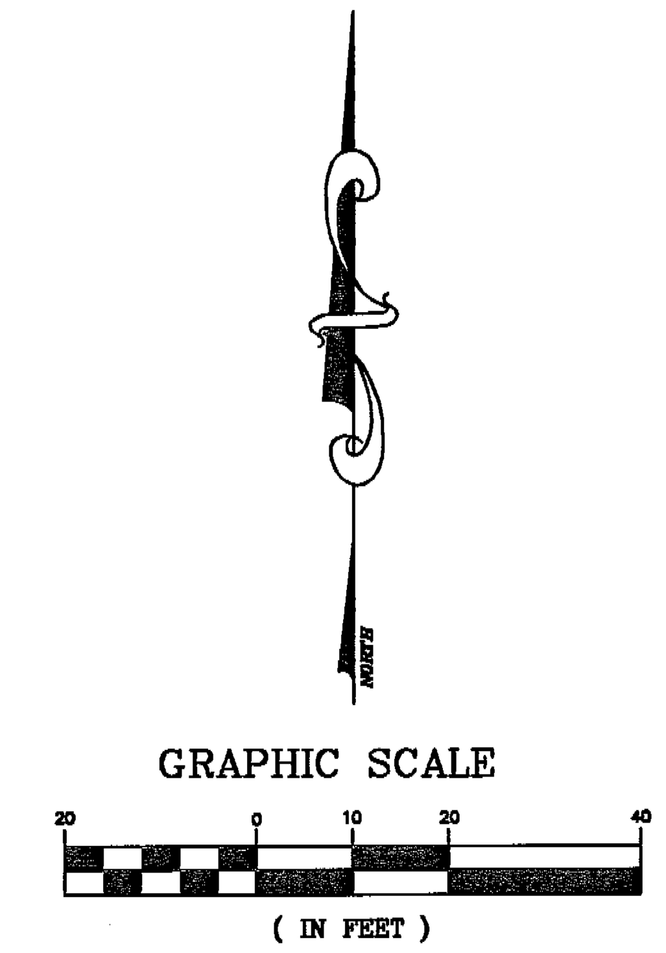
REVISION 2
REVISION 1
CONSTRUCTION
APPROVAL
REVIEW
CHECKED BY
C200
0545



GRADING PLAN

DRAINAGE PLAN





SCMH ARCHITECTS
SWILLEY CURTIS MUNDY HUNNICUTT ASSOCIATES ARCHITECTS INC.

1036 SOUTH FLORIDA AVENUE
LAKELAND, FLORIDA 33803-1118
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FAX 863/688-8361
INTERNET scmharch.com

49945
JAY A. KLIMA, P.E.

THE SCHOOL BOARD OF LAKE COUNTY
EAST RIDGE HIGH SCHOOL
CLERMONT, FLORIDA
CLASSROOM ADDITION
GRADING AND DRAINAGE PLAN

REVISION 2
REVISION 1
CONSTRUCTION
APPROVAL
REVIEW
CHECKED BY

C400

0545

68272-8X
RECEIVED
MAR 01 2006
PDS
ALTAMONTE SVC CENTER

JAY ALAN KLIMA
LICENSE
No. 49945
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
[illegible]

CONSTRUCTION PLANS
FOR
SOUTH RIDGE
BY GREATER CONSTRUCTION CORPORATION
CITY OF CLERMONT, FLORIDA

OWNER

MAYNARD K. KNAPP, TRUSTEE
C/O LOWNDES, DROSDICK, DOSTER, KANTOR AND REED
215 N. EOLA DRIVE
ORLANDO, FLORIDA 32802-2809
(407) 843-4600
CONTACT: WILLIAM A. BECKETT, ESQ.

ENGINEER

CPH ENGINEERS, INC.
1117 EAST ROBINSON STREET
ORLANDO, FLORIDA 32801
(407) 425-0452
CONTACT: DAVID E. MAHLER, P.E.

PLANNER

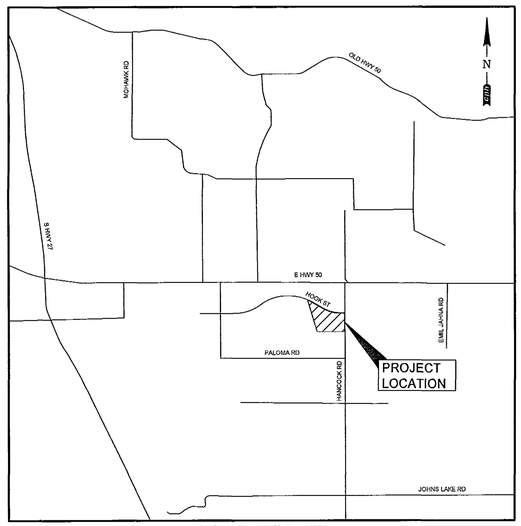
GLATTING JACKSON ET AL
33 EAST PINE STREET
ORLANDO, FLORIDA 32801
(407) 843-6552
CONTACT: DOUG METZGER

SURVEYOR

DONALD W. McINTOSH
2200 PARK AVENUE NORTH
WINTER PARK, FLORIDA 32789
(407) 644-4068
CONTACT: ROCKY CARSON, PSM

UTILITIES

WATER - CITY OF CLERMONT, EAST PLANT
SEWER - CITY OF CLERMONT, EAST PLANT
STORMWATER - SOUTH RIDGE HOA
ELECTRIC - FLORIDA POWER CORP.
TELEPHONE - SPRINT
GAS - APOPKA NATURAL GAS
CABLE - TIME WARNER CABLE



Section 28, Township 22, Range 26E

VICINITY MAP

INDEX OF SHEETS

LEGAL DESCRIPTION:

THAT PART OF SECTION 28 TOWNSHIP 22 SOUTH, RANGE 26 EAST, LAKE COUNTY, FLORIDA, DESCRIBED AS FOLLOWS:

COMMENCE AT THE EAST 1/4 CORNER OF SAID SECTION 28; THENCE RUN S00°04'16"E ALONG THE EAST LINE OF THE SOUTHEAST 1/4 OF SAID SECTION 28 FOR A DISTANCE OF 112.11 FEET; THENCE RUN S89°55'44"W FOR A DISTANCE OF 50.00 FEET TO THE WEST RIGHT-OF-WAY LINE OF HANCOCK ROAD, AS DESCRIBED IN OFFICIAL RECORDS BOOK 2010, PAGE 321, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA, AND THE POINT OF BEGINNING; THENCE RUN S00°04'16"E ALONG SAID WEST RIGHT-OF-WAY LINE FOR A DISTANCE OF 549.53 FEET TO THE NORTH LINE OF GREATER PINES-PHASE 1, AS RECORDED IN PLAT BOOK 34, PAGES 27 AND 28, OF SAID PUBLIC RECORDS; THENCE RUN S89°23'29"W ALONG SAID NORTH LINE AND THE SOUTH LINE OF TRACT 33 AND TRACT 34 OF LAKE HIGHLANDS COMPANY, AS RECORDED IN PLAT BOOK 3, PAGE 24, OF SAID PUBLIC RECORDS, FOR A DISTANCE OF 1268.06 FEET TO THE WEST LINE OF SAID TRACT 34; THENCE RUN N00°03'19"E ALONG SAID WEST LINE FOR A DISTANCE OF 661.46 FEET TO THE CENTERLINE OF A 30' UNNAMED, UNIMPROVED RIGHT-OF-WAY LYING NORTH OF SAID TRACT 34 AND TRACT 35 OF SAID LAKE HIGHLANDS COMPANY; THENCE RUN S89°24'13"W ALONG SAID CENTERLINE FOR A DISTANCE OF 237.00 FEET; THENCE RUN N00°35'47"W FOR A DISTANCE OF 503.84 FEET TO THE SOUTH RIGHT-OF-WAY LINE OF HOOK STREET, AS DESCRIBED IN OFFICIAL RECORDS BOOK 2010, PAGE 316, OF SAID PUBLIC RECORDS, AND A POINT ON A NON-TANGENT CURVE CONCAVE SOUTHWESTERLY HAVING A RADIUS OF 1650.00 FEET AND A CHORD BEARING OF S66°45'20"E; THENCE RUN THE FOLLOWING FIVE (5) COURSES ALONG SAID SOUTH RIGHT-OF-WAY LINE: RUN SOUTHEASTERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 11°57'06" FOR A DISTANCE OF 344.19 FEET TO THE POINT OF TANGENCY; THENCE RUN S60°46'47"E FOR A DISTANCE OF 457.58 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHERLY HAVING A RADIUS OF 1350.00 FEET AND A CHORD BEARING OF S75°37'55"E; THENCE RUN EASTERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 29°42'17" FOR A DISTANCE OF 699.90 FEET TO THE POINT OF TANGENCY; THENCE RUN N89°30'57"E FOR A DISTANCE OF 53.09 FEET; THENCE RUN S45°16'40"E FOR A DISTANCE OF 98.64 FEET TO THE POINT OF BEGINNING.

CONTAINING 24.794 ACRES MORE OR LESS AND BEING SUBJECT TO ANY RESTRICTIONS, RIGHTS-OF-WAY AND EASEMENTS OF RECORD.

cph
Engineers
Planners
Landscape Architects
Surveyors
Construction Management
www.cphengineers.com
1117 East Robinson Street, Suite C, Orlando, Fl. 32801
Phone 407.425.0452 Fax 407.648.1036

FINAL PERMITTED PLANS
DATE As amended by 9+24 10/20/03
INITIAL (Grading & Lots 19-29) WK

40-069
• Lk Apopka ok 88272-8 X
• Check Fee
Revs. Lots 19-29 discharge to master and not to adjacent transistor/master sys.
Rankin Copy

RECEIVED
MAY 19 2003
PDS
ALTAMONTE SVC. CTR.

STATE OF FLORIDA
DAVID E. MAHLER
PROFESSIONAL ENGINEER

G6782 SOUTH RIDGE

(5)

South Ridge PUD

GENERAL PROJECT DATA

FOR IDENTIFICATION OF CONTRACTUAL AGREEMENTS, THIS SET OF DRAWINGS IS DATED MARCH, 2003. ANY REVISIONS THEREAFTER WILL BE NOTED AND DATED ON THE AFFECTED DRAWINGS(S).

THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATIONS TO THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. ALL UTILITIES THAT INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANY AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE RELOCATION OF VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT, AND NO EXTRA COMPENSATION WILL BE ALLOWED.

DRAINAGE SYSTEMS

THE CONTRACTOR SHALL PERFORM ALL WORK PERTAINING TO DRAINAGE INCLUDING EXCAVATION OF WATER RETENTION AREA PRIOR TO THE COMMENCEMENT OF OTHER WORK INCLUDED IN THESE PLANS. THE DRAINAGE FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR DURING THE COURSE OF THIS CONTRACT. THE CONTRACTOR SHALL INCLUDE FUNDS IN THE DRAINAGE COSTS OF THE CONTRACT TO OPERATE AND MAINTAIN THE DRAINAGE SYSTEMS DURING THE WORK PROCESS.

THE UTILITIES ARE THE PROPERTY OF THE FOLLOWING:

WATER
CITY OF CLERMONT
PUBLIC SERVICES DEPARTMENT
400 12th STREET
CLERMONT, FL. 34711
(352) 394-7178
CONTACT: GENE LAINHART

POWER
FLORIDA POWER CORPORATION
401 CITRUS TOWER BLVD.
CLERMONT, FL. 34711
(407) 646-8364
CONTACT: SUE FREYSER

POWER
SUMTER ELECTRIC
700 EAST WASHINGTON STREET
ORLANDO, FL. 32801
(407) 648-0024
CONTACT: DON KOZMINSKI

SEWER
CITY OF CLERMONT
PUBLIC SERVICES DEPARTMENT
400 12th STREET
CLERMONT, FL. 34711
(352) 394-7178
CONTACT: GENE LAINHART

CABLE
TIME WARNER CABLE
3767 ALL AMERICAN BOULEVARD
ORLANDO, FL. 32809
(407) 295-9119
CONTACT: TRACEY DOMOSTOY

GAS
LAKE APOPKA NATURAL GAS DISTRICT
1320 S. VINELAND RD.
P. O. BOX 783007
WINTER GARDEN, FL 34778-3007
CONTACT: JOHN FEAZELL
(407) 656-2734

TELEPHONE
SPRINT UNITED
P.O. BOX 490048
LEESBURG, FL. 34749-0048
(352) 326-1707 OR (352) 326-1754
CONTACT: JOHN COLLIER OR ROBERT LOWERY

TELEPHONE
AT&T
1-800-222-3000

SURVEY INFORMATION PREPARED BY DONALD W. MCINTOSH ASSOCIATES, INC.

AS-BUILTS

AS-BUILTS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER TWO WEEKS PRIOR TO FINAL INSPECTION. ALL AS-BUILT DATA SHALL BE PROVIDED BY A FLORIDA LICENSED SURVEYOR, SIGNED, SEALED, AND DATED BY THE RESPONSIBLE PARTY. SEE INDIVIDUAL SECTIONS (STORM, WATER SYSTEM, ETC.) FOR ADDITIONAL AS-BUILT REQUIREMENTS.

PERMITS AND PERMIT REQUIREMENTS

THE CONTRACTOR SHALL OBTAIN FROM THE OWNER COPIES OF ALL REGULATORY AND LOCAL AGENCY PERMITS. THE CONTRACTOR SHALL BE EXPECTED TO REVIEW AND ABIDE BY ALL THE REQUIREMENTS AND LIMITATIONS SET FORTH IN THE PERMITS. A COPY OF ALL PERMITS SHALL BE KEPT ON THE JOB AT ALL TIMES.

LAYOUT AND CONTROL

UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SHALL PROVIDE FOR THE LAYOUT OF ALL OF THE WORK TO BE CONSTRUCTED. BENCHMARK INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR BY THE OWNER OR OWNER'S SURVEYOR. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

QUALITY CONTROL TESTING REQUIREMENTS

ALL TESTING RESULTS SHALL BE PROVIDED TO THE OWNER/OPERATOR, COUNTY, AND THE ENGINEER. TESTING REQUIREMENTS ARE TO BE IN ACCORDANCE WITH THE OWNER/OPERATOR'S SPECIFICATIONS AND REQUIREMENTS. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND IMMEDIATE BASIS. CONTRACTOR SHALL PROVIDE TESTING SERVICES THROUGH A FLORIDA LICENSED GEOTECHNICAL ENGINEERING FIRM ACCEPTABLE TO THE OWNER AND ENGINEER. CONTRACTOR TO SUBMIT TESTING FIRM TO OWNER FOR APPROVAL PRIOR TO COMMENCING TESTING.

SHOP DRAWINGS

SHOP DRAWINGS AND CERTIFICATIONS FOR ALL STORM DRAINAGE, WATER SYSTEM, RECLAIM SYSTEM, SEWER SYSTEM, AND PAVING SYSTEM MATERIALS AND STRUCTURES ARE REQUIRED. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING THE MATERIALS REQUIRED FOR CONSTRUCTION.

EARTHWORK

EARTHWORK QUANTITIES

THE CONTRACTOR SHALL PERFORM HIS OWN INVESTIGATIONS AND CALCULATIONS AS NECESSARY TO ASSURE HIMSELF OF EARTHWORK QUANTITIES. THERE IS NO IMPLICATION THAT EARTHWORK BALANCES, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY IMPORT FILL NEEDED, OR FOR REMOVAL AND DISPOSAL OF EXCESS MATERIALS.

EROSION CONTROL

EROSION AND SILTATION CONTROL MEASURES ARE TO BE PROVIDED AND INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THESE MEASURES ARE TO BE INSPECTED BY THE CONTRACTOR ON A REGULAR BASIS AND ARE TO BE MAINTAINED OR REPAIRED ON AN IMMEDIATE BASIS, AS REQUIRED. REFER TO WATER MANAGEMENT DISTRICT PERMIT FOR ADDITIONAL REQUIREMENTS FOR EROSION CONTROL AND SURFACE DRAINAGE.

LIMITS OF DISTURBANCE

AT NO TIME SHALL THE CONTRACTOR DISTURB SURROUNDING PROPERTIES OR TRAVEL ON SURROUNDING PROPERTIES WITHOUT WRITTEN CONSENT FROM THE PROPERTY OWNER. REPAIR OR RECONSTRUCTION OF DAMAGED AREAS ON SURROUNDING PROPERTIES SHALL BE PERFORMED BY THE CONTRACTOR ON AN IMMEDIATE BASIS. ALL COSTS FOR REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION SHALL BE PROVIDED.

TREE REMOVAL

THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER WHEN ALL WORK IS LAID OUT (SURVEY STAKED), SO THAT A DETERMINATION MAY BE MADE OF SPECIFIC TREES TO BE REMOVED. NO TREES SHOWN ON THE CONSTRUCTION PLANS AS BEING SAVED SHALL BE REMOVED WITHOUT PERMISSION FROM THE OWNER AND ENGINEER.

CLEARING AND GRUBBING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING AND GRUBBING FOR SITE CONSTRUCTION INCLUDING CLEARING FOR PAVING, UTILITIES, DRAINAGE FACILITIES AND BUILDING CONSTRUCTION. ALL AREAS TO BE CLEARED SHALL BE FIELD STAKED AND REVIEWED BY THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION.

MATERIAL STORAGE/DEBRIS REMOVAL

ALL MATERIALS EXCAVATED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE STOCKPILED AT OR ADJACENT TO THE SITE AT LOCATIONS AS SPECIFIED BY THE OWNER. MATERIALS SHALL BE STOCKPILED SEPARATELY AS TO USABLE (NONORGANIC) FILL STOCKPILES AND ORGANIC (MUCK) STOCKPILES IF MUCK IS ENCOUNTERED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL UNSUITABLE FILL MATERIALS FROM THE SITE. ALL CLAY ENCOUNTERED SHALL BE EXCAVATED OUT AND REPLACED WITH CLEAN GRANULAR FILL MATERIALS.

FILL MATERIAL

ALL FILL MATERIALS SHALL CONTAIN NO MUCK, STUMPS, ROOTS, BRUSH, VEGETATIVE MATTER, RUBBISH OR OTHER MATERIAL THAT WILL NOT COMPACT INTO A SUITABLE AND ENDURING BACKFILL. FILL SHALL BE CLEAN, NON-ORGANIC, GRANULAR MATERIAL WITH NOT MORE THAN 10% PASSING THE NO. 200 SIEVE.

COMPACTION

FILL MATERIALS PLACED UNDER ROADWAYS SHALL BE COMPACTED TO AT LEAST 98% OF THE MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-180. ALL OTHER FILL AREAS ARE TO BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-180. FILL MATERIALS SHALL BE PLACED AND COMPACTED IN A MAXIMUM OF 12" LIFTS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND OWNER WITH ALL (PASSING AND FAILING) TESTING RESULTS. RESULTS SHALL BE PROVIDED ON A TIMELY AND REGULAR BASIS PRIOR TO CONTRACTOR'S PAY REQUEST SUBMITTAL FOR THE AFFECTED WORK.

PAVEMENT AND/OR ROAD AND R/W WORK

OWNER/OPERATOR

THE ENTITY THAT WILL OWN, OPERATE AND MAINTAIN THE ROADWAYS SHOWN ON THESE PLANS IS CITY OF CLERMONT. THE CONTRACTOR SHALL BE EXPECTED TO MEET ALL THE REQUIREMENTS OF THAT ENTITY.

GENERAL DESIGN INTENT

ALL PAVING SURFACES IN INTERSECTIONS AND ADJACENT SECTIONS SHALL BE GRADED TO DRAIN POSITIVELY IN THE DIRECTION SHOWN BY THE FLOW ARROWS ON THE PLANS AND TO PROVIDE A SMOOTHLY TRANSITIONED DRIVING SURFACE FOR VEHICLES WITH NO SHARP BREAKS IN GRADE, AND NO UNUSUALLY STEEP OR REVERSE CROSS SLOPES. APPROACHES TO INTERSECTIONS AND ENTRANCE AND EXIT GRADES TO INTERSECTIONS WILL HAVE TO BE STAKED IN THE FIELD AT DIFFERENT GRADES THAN THE CENTERLINE GRADES SHOWN ON THE PLANS. IN THESE AREAS, IT MAY ALSO BECOME ADVISABLE TO MAKE MINOR LOCAL FIELD ADJUSTMENTS IN THE CENTERLINE GRADES TO ACCOMPLISH THE PURPOSES OUTLINED. IN ADDITION, THE STANDARD CROWN WILL HAVE TO BE CHANGED IN ORDER TO DRAIN POSITIVELY IN THE AREA OF INTERSECTIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO ACCOMPLISH THE ABOVE AND THE ENGINEER SHALL BE CONSULTED SO THAT HE MAY MAKE ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS OR GIVE SUPPLEMENTARY INSTRUCTIONS TO ACCOMPLISH THE INTENT OF THE PLANS.

MATERIALS/CONSTRUCTION SPECIFICATIONS

MATERIALS AND CONSTRUCTION METHODS FOR THE ROADWAY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

PAVEMENT SECTION REQUIREMENTS

CONSTRUCTION OF ROADWAYS SHALL BE 12" OF STABILIZED SUBBASE WITH A LIMEROCK BEARING RATIO OF (LBR) 40 COMPACTED TO THE MODIFIED PROCTOR MAXIMUM DRY DENSITY OF 98% PER AASHTO T-180, 6" OF LIMEROCK BASE COURSE, COMPACTED TO THE MODIFIED PROCTOR MAXIMUM DRY DENSITY OF 98% PER AASHTO T-180 AND 2" TYPE S-111 OF VIRGIN ASPHALTIC CONCRETE SURFACE COURSE WITH A MINIMUM STABILITY OF 1500 LBS. SUBGRADE PREPARATION AND PAVEMENT INSTALLATION SHALL CONFORM TO FDOT STANDARDS.

SIDEWALKS

SIDEWALKS ARE TO BE CONSTRUCTED IN THE AREAS AS SHOWN ON THE CONSTRUCTION PLANS. THE 5' SIDEWALK SHALL BE CONSTRUCTED OF 4" OF CONCRETE WITH A 28-DAY COMPRESSION STRENGTH OF 3000 PSI. JOINTS SHALL BE EITHER TOOLED OR SAWCUT AT A DISTANCE OF 5' LENGTHS, HANDICAPPED RAMPS SHALL BE PROVIDED AT ALL INTERSECTIONS AND BE IN ACCORDANCE WITH STATE REGULATIONS FOR HANDICAP ACCESSIBILITY.

PAVEMENT MARKINGS/SIGNAGE

PAVEMENT MARKINGS AND SIGNAGE SHALL BE PROVIDED AS SHOWN ON THE CONSTRUCTION PLANS AND SHALL MEET THE REQUIREMENTS OF THE OWNER/OPERATOR. SIGNAGE SHALL BE IN CONFORMANCE WITH MUTCD (LATEST EDITION). A 48-HOUR PAVEMENT CURING TIME WILL BE PROVIDED PRIOR TO APPLICATION OF THE PAVEMENT MARKINGS. REFLECTIVE PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH FDOT INDEX NO. 17352.

CURBING

CURBING SHALL BE CONSTRUCTED WHERE NOTED ON THE CONSTRUCTION PLANS. CONCRETE FOR CURBS SHALL BE DEPARTMENT OF TRANSPORTATION CLASS "1" CONCRETE WITH A 28-DAY COMPRESSION STRENGTH OF 3000 PSI. ALL CURBS SHALL HAVE SAW CUT CONTRACTION JOINTS AND SHALL BE CONSTRUCTED AT INTERVALS NOT TO EXCEED 10'-0" ON CENTER. CONSTRUCTION OF CURBS SHALL BE IN CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AND DETAILS PROVIDED ON THE CONSTRUCTION PLANS.

R/W RESTORATION

ALL AREAS WITHIN THE RIGHT-OF-WAY SHALL BE FINISH GRADED WITH A SMOOTH TRANSITION INTO EXISTING GROUND. ALL SWALES SHALL BE STABILIZED AND SODDED IMMEDIATELY AFTER FINAL GRADING. ALL DISTURBED AREAS SHALL BE RAKED CLEAN OF ALL LIMEROCK AND ROCKS AND SODDED AFTER FINAL GRADING IN ACCORDANCE WITH THE CONSTRUCTION PLANS PRIOR TO FINAL INSPECTION. ALL GRASSING (SEED OR SOD) SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY THE OWNER/OPERATOR.

SITE ACCESS

ALL ACCESS TO THE JOB-SITE FOR CONSTRUCTION AND RELATED ACTIVITIES SHALL BE BY EXISTING STREETS AND ROADS.

POTABLE WATER/FIRE SYSTEMS

OWNER/OPERATOR

THE ENTITY THAT WILL OWN, OPERATE AND MAINTAIN THE WATER SYSTEM SHOWN ON THESE PLANS IS CITY OF CLERMONT. THE CONTRACTOR SHALL BE EXPECTED TO MEET ALL THE REQUIREMENTS OF THAT ENTITY.

PIPE MATERIALS

SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL INFRASTRUCTURE TO BE CONSTRUCTED. WATER SYSTEM SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER AND CITY OF CLERMONT FOR REVIEW PER THE CITY'S POLICY FOR REVIEW OF SHOP DRAWINGS.

POLYVINYL CHLORIDE PLASTIC PIPE (PVC) 4" THROUGH 12" SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI/AWWA C900 (LATEST EDITION) AND SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 PSI AND HAVE A DR (DIMENSION RATIO) OF 18. ALL PVC PIPE SHALL BEAR THE NSF LOGO FOR POTABLE WATER. JOINTS SHALL BE OF THE PUSH-ON TYPE AND COUPLINGS CONFORMING TO ASTM D3139, DR18 PIPE.

DUCTILE IRON PIPE (DIP) SHALL BE STANDARD PRESSURE CLASS 350 IN SIZES 4" THROUGH 12" AND CONFORM TO ANSI/AWWA C150/A21.50 (LATEST EDITION). ALL DUCTILE IRON PIPE SHALL HAVE A STANDARD THICKNESS OF CEMENT MORTAR LINING AS SPECIFIED IN ANSI/AWWA C104/A21.4 (LATEST EDITION). PIPE JOINTS SHALL BE OF THE PUSH-ON RUBBER GASKET TYPE CONFORMING TO ANSI/AWWA C111/A21.11 (LATEST EDITION).

PIPE DETECTOR W/LOCATOR WIRE SHALL BE INSTALLED ON ALL WATER MAINS PER DETAIL.

PIPE SIZES GREATER THAN 12" IN BOTH PVC AND DUCTILE IRON SHALL BE SEPARATELY SPECIFIED ON THE PLANS; WITH THICKNESS CLASSES TO BE SHOWN BASED ON WORKING PRESSURES, PIPE DEPTH AND TRENCH CONDITIONS.

FITTINGS FOR DUCTILE IRON PIPE AND PVC C-900 PIPE SHALL BE DUCTILE IRON AND SHALL CONFORM TO ANSI/AWWA C153/A21.10 (LATEST EDITION) AND SHALL BE CEMENT LINED IN CONFORMANCE WITH ANSI/AWWA C104/A21.4 (LATEST EDITION).

POLYETHYLENE WRAP USED FOR CORROSION PREVENTION ON DUCTILE IRON PIPE SHALL CONFORM TO THE REQUIREMENTS OF ANSI/ASTM D1248. THE MINIMUM NOMINAL THICKNESS SHALL BE 0.008 IN. (8 MILS). INSTALLATION OF POLY WRAP SHALL BE IN ACCORDANCE WITH AWWA C105. POLY WRAP IS ONLY REQUIRED WHERE CALLED FOR ON THE CONSTRUCTION PLANS.

VALVES

GATE VALVES SHALL BE RESILIENT SEAT AND SHALL CONFORM TO ANSI/AWWA C509 WITH HANDWHEEL OR WRENCH NUT, EXTENSION STEMS AND OTHER APPURTENANCES AS REQUIRED. MANUFACTURER'S CERTIFICATION OF THE VALVES COMPLIANCE WITH AWWA SPECIFICATION C509 AND TESTS LISTED THEREIN WILL BE REQUIRED.

BUTTERFLY VALVES

BUTTERFLY VALVES SHALL MEET OR EXCEED THE DESIGN STRENGTH TESTING AND PERFORMANCE REQUIREMENTS OF AWWA C504, CLASS 150. VALVES SHALL BE DUCTILE IRON, RESILIENT SEAT. BUTTERFLY VALVES TO BE USED FOR SIZES GREATER THAN 12".

AIR RELEASE VALVES

AIR RELEASE VALVES SHALL BE PLACED AT HIGH POINTS OF TRANSMISSION MAINS TO PERMIT ESCAPE OF TRAPPED AIR. THE VALVE SIZE, LOCATION, AND METHOD OF INSTALLATION SHALL BE INDICATED ON THE DRAWINGS, OR AS DIRECTED BY THE ENGINEER.

VALVE BOXES

VALVE BOXES ON BURIED POTABLE WATER MAINS SHALL BE ADJUSTABLE, CAST IRON CONSTRUCTION, WITH MINIMUM INTERIOR DIAMETER OF 5" WITH COVERS CAST WITH THE INSCRIPTION IN LEGIBLE LETTERING ON TOP: WATER. BOXES SHALL BE SUITABLE FOR THE APPLICABLE SURFACE LOADING AND VALVE SIZE. VALVE BOX PADS SHALL BE 18" X 18" X 4" THICK CONCRETE WITH #4 REINFORCING BARS. PAD TO BE SET AT FINISHED GRADE WITH RECESSED DETECTOR WIRE CONDUIT PORT PER DETAIL.

FIRE HYDRANTS

FIRE HYDRANTS SHALL CONFORM TO THE LATEST EDITION OF AWWA C502 AND SHALL BE FURNISHED COMPLETE WITH WRENCH AND OTHER APPURTENANCES. MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH AWWA C502 AND TESTS LISTED THEREIN WILL BE REQUIRED. ALL HYDRANTS SHALL BE BREAKABLE TYPE, WITH THE BREAKABLE SECTION LOCATED SLIGHTLY ABOVE THE FINISH GROUND LINE. HYDRANTS SHALL CONTAIN TWO, TWO AND ONE-HALF INCH (2-1/2") HOSE CONNECTIONS, AND ONE, FOUR AND ONE-HALF INCH (4-1/2") STEAMER CONNECTIONS WITH NATIONAL STANDARD FIRE HOSE COUPLING SCREW THREADS, FIVE AND ONE-QUARTER INCH (5 1/4") VALVE OPENING, SIX INCH (6") DIAMETER MECHANICAL JOINT INLET, ONE AND ONE-HALF INCH (1 1/2") PENTAGON OPERATING NUT. SHALL OPEN COUNTERCLOCKWISE, SHALL BE PAINTED IN CONFORMANCE WITH CITY OF CLERMONT REQUIREMENTS (COLORS BASED ON DELIVERED FIRE FLOW) WITH THE PRIMER AND FINISH PAINT BEING SHERWIN WILLIAMS OSHA SAFETY COLOR ENAMEL PAINT. HYDRANTS SHALL BE MUELLER CENTRON (TRAFFIC MODEL A-423) NO SUBSTITUTE. FIRE HYDRANTS TO BE THE BREAK AWAY TYPE WITH A CAST IRON DUCTILE IRON MECHANICAL JOINT HYDRANT TEE, WITH RESILIENT SEAT AND MECHANICAL JOINT GATE VALVE.

1. BLUE PAVEMENT REFLECTORS (RPM'S) SHALL BE PLACED IN THE CENTERLINE OF THE DRIVING LANE DIRECTLY IN FRONT OF EACH FIRE HYDRANT.
2. CONTRACTOR SHALL PROVIDE A POST-CONSTRUCTION FIRE FLOW TEST WITNESSED AND APPROVED BY THE ENGINEER AND OWNER/OPERATOR. HYDRANTS SHALL DELIVER A MINIMUM OF 1000 GPM WITH A RESIDUAL PRESSURE OF 20 PSI IN RESIDENTIAL AREAS.
3. THERE SHALL BE NO TREES, SHRUBS, ETC., PLANTED AROUND THE FIRE HYDRANTS OR IN AREAS DESIGNATED AS FIRE LANES.

WATER SERVICES

UNLESS OTHERWISE NOTED IN THE PLANS, THE UTILITY COMPANY SHALL PROVIDE AND INSTALL WATER METERS. CONTRACTOR SHALL CONSTRUCT WATER SERVICE THROUGH THE CURB STOP AND SET METER BOXES TO FINISHED GRADE AS SHOWN ON THE WATER SYSTEM DETAIL SHEET.

POLYETHYLENE (PE) PRESSURE PIPE FOR WATER SERVICES 1/2" THROUGH 3" SHALL CONFORM TO AWWA C901.88, MIN 200 PSI. AND SHALL BE PHILLIPS DRISCO CTS 5100 (DR-9) ASTM D-2737, 200 PSI.

ALL SERVICES SHALL INCLUDE THE FOLLOWING: LOCKING CURB STOPS, WYE BRANCHES, UNIONS AS REQUIRED, PE SERVICE PIPE AND CORPORATION STOPS. THE SERVICE SHALL BE COMPLETE THROUGH THE CURB STOP AS SHOWN ON THE DETAIL SHEET, AND SHALL BE OF THE TYPE REQUIRED FOR COMPATIBILITY WITH THE SERVICE LINES SPECIFIED, AND FITTINGS SHALL BE MANUFACTURED BY FORD.

MATERIALS AS REQUIRED BY THE CITY OF CLERMONT

SERVICE SADDLE - FORD FS202
CORPORATION STOP - FORD FB1000
CURB STOP - FORD B41-444W (For 1" ONLY)
- FORD BF43-666W (FOR 1 1/2" ONLY)
- FORD BF43-777W (FOR 2" ONLY)
METER BOX - SINGLE ONLY (NO DOUBLE METER BOXES ALLOWED). FOR 3/4" AND 1" ONLY USE DEXOL WITH IRON READER DOOR.
1 1/2", 2" AND BLOW OFFS SHALL BE CDR SYSTEMS CORPORATION BOX SERIES 17 x 30 WITH HINGED CAST IRON READER DOOR.
COMPOUND Y BRANCH - FORD Y44
JOINT RESTRAINT - MEGA LUG
INSTALL OR PROVIDE CITY WITH 1" X 3/4" BRASS BUSHING AT METER DISCHARGE CONNECTION.

THE CONTRACTOR SHALL CUT "W" IN THE CURB TOP AT EACH WATER SERVICE AND A "V" AT ALL VALVE LOCATIONS. CUT W'S AND V'S SHALL BE HIGHLIGHTED WITH BLUE PAINT. SEE WATER SYSTEM DETAILS FOR OTHER SERVICE LOCATION AND MARKING REQUIREMENTS.

PIPE INSTALLATION

PIPE INSTALLATION OF PVC WATER MAIN SHALL BE IN CONFORMANCE WITH ASTM D2774 (LATEST EDITION). INSTALLATION OF DUCTILE IRON PIPE WATER MAIN SHALL BE IN CONFORMANCE WITH AWWA C600.

COMPACTED BACKFILL SHALL BE TO 98% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 UNDER ALL PAVEMENTS WITH 12" MAXIMUM LIFT THICKNESS. OTHER COMPACTION OF BACKFILL SHALL BE TO 95% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 WITH 12" MAXIMUM LIFT THICKNESS. SEE PIPE TRENCHING DETAILS.

MINIMUM COVER OVER ALL PIPE SHALL BE 36" FROM TOP OF PIPE TO FINISHED GRADE. SEE PLAN AND PROFILE SHEETS FOR REQUIRED DEPTH.

WATER MAINS ARE TO BE INSTALLED SO AS TO PROVIDE A MINIMUM VERTICAL CLEARANCE OF 18" OR A MINIMUM HORIZONTAL CLEARANCE OF 10 FEET FROM ALL SANITARY HAZARDS, INCLUDING STORM DRAINAGE PIPES AND STRUCTURES, AS WELL AS SEPTIC TANKS, DRAIN FIELDS AND SEWER PIPING. IF CLEARANCE CANNOT BE ACHIEVED, THEN DUCTILE IRON WATER MAIN SHALL BE PROVIDED 10 FEET EITHER SIDE OF THE CROSSING.

ALL WATER MAINS SHALL BE INSTALLED WITH RESTRAINED JOINT FITTINGS. NO CONCRETE THRUST BLOCKS TO BE USED.

ALL PLUGS, CAPS, TEES, BENDS, FIRE HYDRANTS, VALVES, ETC. SHALL BE PROVIDED WITH MEGALUG PIPE RESTRAINTS. FOR RESTRAINT CONSTRUCTION SPECIFICATIONS, REFER TO THE WATER SYSTEM DETAILS.

PIPE IDENTIFICATION WIRE

BLUE INDICATOR TAPE SHALL BE BURIED IN THE WATER MAIN TRENCH 18" DIRECTLY ABOVE THE WATER MAIN. A CONTINUOUS COPPER DETECTOR WIRE SHALL BE ATTACHED AS SHOWN ON THE WATER DETAIL SHEET.

DISINFECTION AND TESTING

ALL PIPE SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C651.

ALLOWABLE LEAKAGE FOR PVC PRESSURE MAINS WILL BE IN ACCORDANCE WITH AWWA M23.

THE CONTRACTOR SHALL PROVIDE AT HIS OWN EXPENSE ALL NECESSARY TEST PUMPING EQUIPMENT, WATER, WATER METERS, OIL FILLED PRESSURE GAUGES, AND OTHER EQUIPMENT, MATERIAL AND FACILITIES REQUIRED FOR ALL HYDROSTATIC AND LEAKAGE TESTING. CONTRACTOR SHALL CONTACT THE ENGINEER, OWNER/OPERATOR AND CITY IN WRITTEN FORM, FORTY-EIGHT (48) HOURS IN ADVANCE OF PROPOSED TESTING. THE CONTRACTOR SHALL PERFORM SATISFACTORY PRETESTING PRIOR TO NOTIFICATION.

THE WATER SYSTEM SHALL BE SOAK TESTED 24 HOURS @ 150 PSI AND TESTED FOR LEAKAGE AT 150 PSI FOR TWO (2) HOURS, WITH ALLOWABLE LEAKAGE IN ACCORDANCE WITH ABOVE STANDARDS.

CONTRACTOR SHALL OBTAIN A COPY OF THE FDEP WATER SYSTEM PERMIT AND PULL BACTERIOLOGICAL TEST SAMPLES FROM THE SAMPLE POINTS SPECIFIED IN THAT PERMIT.

CONNECTIONS TO EXISTING WATER MAINS

PRIOR TO THE CONNECTION TO ANY EXISTING MAIN, THE PROPOSED WATER MAIN SHALL BE DISINFECTED, HAVE ENGINEER APPROVED PRESSURE TESTING AND HAVE FDEP CLEARANCE. REFER TO FDEP PERMIT FOR ANY ADDITIONAL REQUIREMENTS.

AS BUILT DRAWINGS

THE CONTRACTOR SHALL PROVIDE VERTICAL AND HORIZONTAL "AS-BUILT" INFORMATION RELATIVE TO ALL CONSTRUCTED UTILITIES AND STRUCTURES. THREE SETS SHALL BE PROVIDED FOR REVIEW. ONCE APPROVED BY THE UTILITY, ONE REPRODUCIBLE SET SHALL BE PROVIDED.

AS-BUILT INFORMATION FOR THE WATER SYSTEM SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:

1. LOCATION OF ALL VALVES, FITTINGS, HYDRANTS AND SERVICES. HORIZONTAL AND VERTICAL
2. LOCATION OF THE WATER MAIN TIED WITH COORDINATES FOR THE SUBDIVISION.
3. CERTIFICATION AS TO THE SYSTEM MEETING THE MINIMUM COVER REQUIREMENTS.
4. HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION WHICH DEVIATES FROM THE APPROVED ENGINEERING PLANS.
5. UTILITY LOCATES ON SYSTEMS INSTALLED UNDER THIS CONTRACT SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER UNTIL AS-BUILT DRAWINGS ARE REVIEWED AND APPROVED BY THE UTILITY.

SANITARY SEWER NOTES

LATERALS

1. ALL SERVICE LATERALS AND FITTINGS SHALL BE A MINIMUM OF 6" IN DIAMETER.
2. ALL LATERALS SHALL TERMINATE WITH A 4" CLEAN-OUT AT THE PROPERTY LINE, AND AT A DEPTH TO FINAL GRADE OF 3 FEET.
3. THE END OF EACH SERVICE CONNECTION SHALL BE MARKED WITH A 2" X 2" X 2" ABOVE GRADE WOODEN STAKE OR APPROVED MARKER AND CURB MARKED WITH A "S"..
4. IF CLEANOUTS ARE NOT INSTALLED AT THE TIME OF FINAL INSPECTION, THEN THE TERMINAL END OF EACH LATERAL SHALL BE EXPOSED.

MAINS AND MANHOLES

1. ALL GRAVITY SANITARY SEWER MAINS SHALL BE CONSTRUCTED OF DR35 PVC PIPE MEETING ASTM 3034, AND SHALL HAVE A MINIMUM COVER OF THREE (3) FEET.
2. WHERE REQUIRED, MAINS SHALL BE CLASS 50 DUCTILE IRON PIPE (DIP) MEETING AWWA C150 AND C151. MAINS SHALL BE 60 MIL EPOXY COATED WITH POLYETHYLENE WRAP CONFORMING TO AWWA C105.
3. MAINS AND LATERALS WITH LESS THAN THREE (3) FEET OF COVER SHALL BE CLASS 50 DIP.
4. ALL PVC PIPE SHALL BEAR THE NSF-DW SEAL.
5. JOINTS SHALL BE INTEGRAL BELL ELASTOMERIC GASKET JOINTS MANUFACTURED IN ACCORDANCE WITH ASTM D3212 AND ASTM F477. APPLICABLE UNI-BELL PLASTIC PIPE ASSOCIATION STANDARD IS UNI-B-7.
6. JOINTS BETWEEN PIPES OF DISSIMILAR MATERIALS MAY BE MADE WITH A FLEXIBLE MECHANICAL COMPRESSION COUPLING WITH NUMBER 316 STAINLESS STEEL BANDS.
7. ALL SANITARY MANHOLES SHALL BE PRECAST CONCRETE WITH A MINIMUM WALL THICKNESS OF FIVE (5) INCHES FOR INSIDE DIAMETER OF FOUR (4) FEET.
8. MANHOLES SHALL MEET ASTM C-478. RING AND COVER SHALL BE TRAFFIC BEARING H-20, CLASS 30 MEETING ASTM A-48.
9. INTERIOR AND EXTERIOR WALLS OF ALL MANHOLES SHALL HAVE A MINIMUM OF TWO (2) 8 MIL COATS OF AN APPROVED PROTECTIVE COAL TAR EPOXY.
10. ALL PVC PIPE TO MANHOLE CONNECTIONS SHALL BE MADE WITH D.I.P. (SEE 2 ABOVE) USING EMBEDDED GROUT.
11. ALL MAINS NOT LOCATED UNDER PAVEMENT SHALL BE MARKED BY A THREE (3) INCH WIDE METALLIC LOCATOR TYPE 18" ABOVE THE CENTERLINE OF PIPE.

FORCEMAINS

1. FORCEMAINS SHALL BE DR18 PVC PIPE CONFORMING TO AWWA C-900, OR 60 MIL EPOXY COATED CLASS 50 DIP. PVC PIPE SHALL HAVE INTEGRAL BELL PUSH ON TYPE JOINTS CONFORMING TO ASTM D3139.
2. ALL FITTINGS SHALL BE MECHANICAL JOINT DUCTILE IRON WITH 250 PSI MINIMUM PRESSURE RATING.
3. METALLIC MARKING TAPE SHALL BE PLACED OVER THE MAIN AT A MAXIMUM DEPTH OF TWO (2) FEET BELOW THE SURFACE AND TIED INTO ALL VALVE BOXES. TESTING FOR CONTINUITY WILL BE REQUIRED.
4. ALL MAINS SHALL HAVE A MINIMUM COVER OF THREE (3) FEET. FORCEMAINS WITH LESS THAN THREE (3) FEET OF COVER SHALL BE CLASS 50 DIP.
5. ALL CONNECTIONS TO EXISTING SEWER FORCEMAINS SHALL BE ACCOMPLISHED WITH A WET TAP AND THRUST RESTRAINT.
6. PROVIDE JOINT RESTRAINTS AS SHOWN ON THE DETAIL SHEETS.

TESTING

1. SEWAGE COLLECTION SYSTEM
   A. ALL GRAVITY SEWER MAINS REQUIRE LOW PRESSURE AIR TESTING IN ACCORDANCE WITH THE LATEST UNI-BELL STANDARD FOR LOW- PRESSURE AIR TESTS.
   B. ALL SEWER MAINS SHALL BE LAMPED BY A CITY REPRESENTATIVE.
   C. ALL MANHOLES SHALL BE INSPECTED FOR INFILTRATION, ALIGNMENT, FLOW CHANNEL CONSTRUCTION AND COAL TAR EPOXY PAINT THROUGHOUT.
   D. HYDRO-STATIC TESTS CONSISTING OF A HYDROSTATIC PRESSURE TEST AND HYDROSTATIC LEAKAGE TEST SHALL BE CONDUCTED ON ALL NEWLY INSTALLED SEWER FORCE MAIN SYSTEM PRESSURE PIPES AND APPURTENANCES IN ACCORDANCE WITH AWWA C600 OR M23 AS APPLICABLE.

TEMPORARY JUMPER CONNECTION NOTES:

A TEMPORARY JUMPER CONNECTION IS REQUIRED AT ALL CONNECTIONS BETWEEN EXISTING ACTIVE WATER MAINS AND PROPOSED NEW WATER MAIN IMPROVEMENTS.

THE DETAIL PROVIDED IS TO BE USED FOR FILLING ANY NEW WATER MAIN OF ANY SIZE FROM EXISTING ACTIVE WATER MAINS AND FOR FLUSHING OF NEW MAINS UP TO 8" DIAMETER (2.5 FPS MINIMUM VELOCITY) AND FOR TAKING BACTERIOLOGICAL SAMPLES FROM ANY NEW WATER MAIN OF ANY SIZE. THE JUMPER CONNECTION SHALL BE MAINTAINED UNTIL AFTER FILLING, FLUSHING, TESTING, AND DISINFECTING OF THE NEW MAIN HAS BEEN SUCCESSFULLY COMPLETED AND CLEARANCE FOR USE HAS BEEN OBTAINED FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND OTHER PERTINENT AGENCIES HAS BEEN RECEIVED BY THE CITY OF CLERMONT. THIS JUMPER CONNECTION SHALL ALSO BE USED TO MAINTAIN A MINIMUM LEVEL OF DISINFECTION AND UNTIL THE FDEP CLEARANCE LETTER IS OBTAINED AND THE LINES ARE PLACED INTO SERVICE.

ADEQUATE THRUST BLOCKING AND/OR RESTRAINTS SHALL BE PROVIDED TEMPORARILY, AS REQUIRED.
PIPE AND FITTINGS USED FOR CONNECTING THE NEW PIPE TO THE EXISTING PIPE SHALL BE DISINFECTED PRIOR TO INSTALLATION IN ACCORDANCE WITH AWWA C651, LATEST EDITION. THE TAPPING SLEEVE AND THE EXTERIOR OF THE MAIN TO BE TAPPED SHALL BE DISINFECTED BY SPRAYING OR SWABBING PER SECTION II OF AWWA C651.

FLUSHING OF 10" DIAMETER AND LARGER WATER MAINS MAY BE DONE THROUGH THE TIE-IN VALVE UNDER CONTROLLED CONDITIONS BY THE CITY ONLY. THE *FOLLOWING PROCEDURES SHALL BE FOLLOWED*

A. THE TIE-IN VALVES SHALL BE OPERATED ONLY BY THE CITY AND PRESSURE TESTED IN THE PRESENCE OF THE CITY AND ENGINEER TO VERIFY WATER TIGHTNESS PRIOR TO TIE-IN. VALVES WHICH ARE NOT WATERTIGHT SHALL BE REPLACED OR A NEW VALVE INSTALLED IMMEDIATELY ADJACENT TO THE LEAKING VALVE.
B. THE TEMPORARY JUMPER CONNECTION SHALL BE CONSTRUCTED AS DETAILED. THE JUMPER CONNECTION SHALL BE USED TO FILL THE NEW WATER MAIN, FOR PROVIDING WATER FOR BACTERIOLOGICAL SAMPLING OF THE NEW MAIN AS REQUIRED BY THE FDEP PERMIT AND FOR MAINTAINING CHLORINE RESIDUALS IN THE MAINS.
   1. FLUSHING SHALL NOT BE ATTEMPTED DURING PEAK DEMAND HOURS OF THE EXISTING WATER MAIN.
   2. ALL DOWNSTREAM VALVES IN THE NEW SYSTEM MUST BE OPEN PRIOR TO THE CITY OPENING THE TIE-IN VALVE.
   3. PROVIDE FOR AND MONITOR THE PRESSURE AT THE TIE-IN POINT. THE PRESSURE IN THE EXISTING MAIN MUST NOT DROP BELOW 35 PSI.
   4. TIE-IN VALVE SHALL BE OPENED BY THE CITY A FEW TURNS ONLY, ENSURING A PRESSURE DROP ACROSS THE VALVE IS ALWAYS GREATER THAN 10 PSI.
C. THE TIE-IN VALVE SHALL BE LOCKED CLOSED BY THE CITY UNTIL FLUSHING BEGINS.
D. THE TIE-IN VALVE SHALL BE OPENED ONLY BY THE CITY FOR FLUSHING OF THE NEW MAIN. THE PROCEDURE SHALL BE DONE BY THE CITY AND OBSERVED BY THE ENGINEER.
E. AFTER FLUSHING, THE TIE-IN VALVE SHALL BE CLOSED AND LOCKED IN THE CLOSED POSITION BY THE CITY.

THE CONTRACTOR SHALL PROVIDE DOCUMENTATION DEMONSTRATING THAT THE DOUBLE-CHECK BACK FLOW PREVENTION DEVICE HAS BEEN TESTED WITHIN ONE YEAR AT THE TIME OF INSTALLATION, AND IS IN GOOD WORKING ORDER AT THE TIME OF INSTALLATION. THE TEST SHALL BE PERFORMED BY A CERTIFIED BACK FLOW PREVENTION TECHNICIAN AS APPROVED BY THE CITY OF CLERMONT CROSS-CONNECTION CONTROL PROGRAM. A CERTIFICATE IS REQUIRED BY THE CITY.

EXCEPT AS REQUIRED TO FLUSH LINES OF GREATER THAN 8' IN DIAMETER, THE TIE IN VALVE SHALL REMAIN CLOSED AND SHALL BE LOCKED IN THE CLOSE POSITION BY THE CITY. THE TIE-IN VALVE SHALL REMAIN LOCKED CLOSED UNTIL THE NEW SYSTEM HAS BEEN CLEARED FOR USE BY FDEP AND ALL OTHER AGENCIES. UPON RECEIPT OF CLEARANCE FOR USE FROM FDEP AND ALL OTHER AGENCIES, THE CONTRACTOR SHALL REMOVE THE TEMPORARY JUMPER CONNECTION. THE CORPORATION STOPS ARE TO BE CLOSED AND PLUGGED WITH 2" BRASS PLUGS. THERE SHALL BE NO LEAKAGE.

ALL INSTALLATION AND MAINTENANCE OF THE TEMPORARY JUMPER CONNECTION AND ASSOCIATED BACK FLOW PREVINTION DEVICE, FITTINGS, VALVE, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

WATER METERS SHALL BE PAID FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE PUBLIC WORKS DEPARTMENT.

Date: 4-29-03

No.	Date	Revision	Approved	No.	Date	Revision	Approved
1				5			
2				6			
3				7			
4				8			

Designed by:	DEM	3/03
Drawn by:	CKJ	3/03
Checked by:	BMA	3/03
Approved by:	DEM	3/03

Certificate of Authorization No. 3215

Scale: NONE
Date: March, 2003
Job No. G6782
File: GEN.dwg

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Engineers
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www.cphengineers.com
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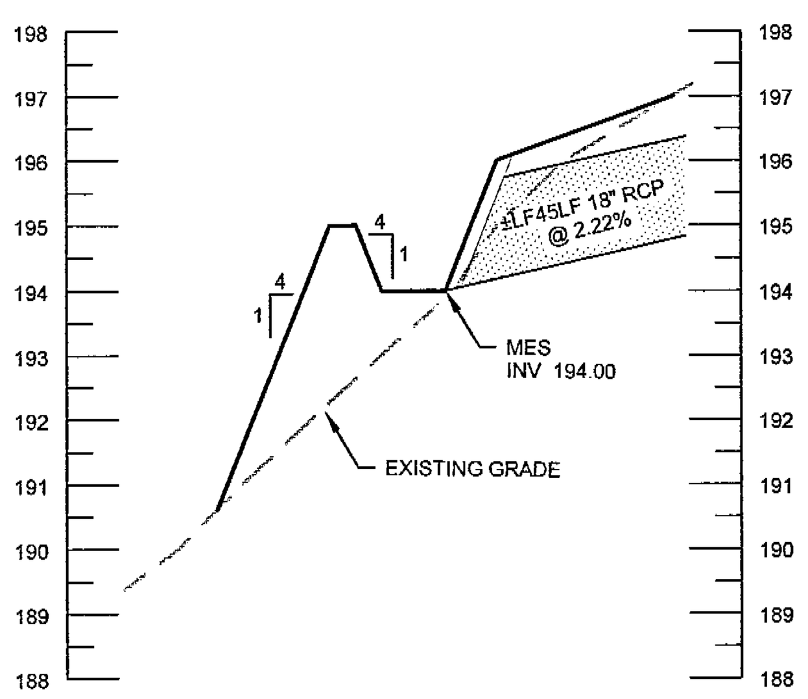
Phone: 407.425.0452 Fax: 407.648.1036

DAVID E. MAHLER
50041

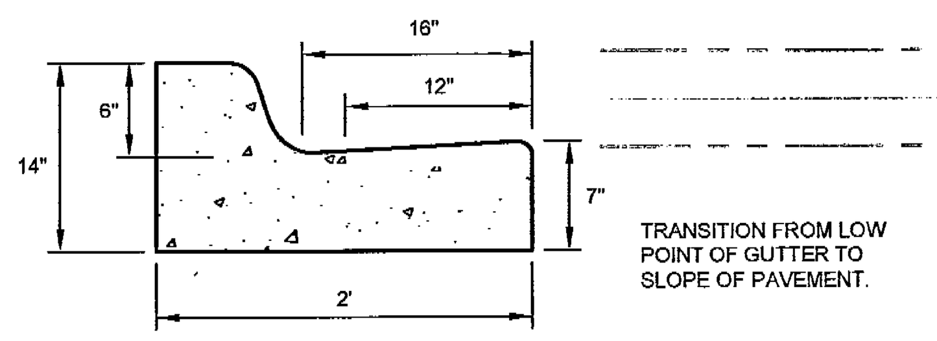
GENERAL NOTES

Sheet No.
2

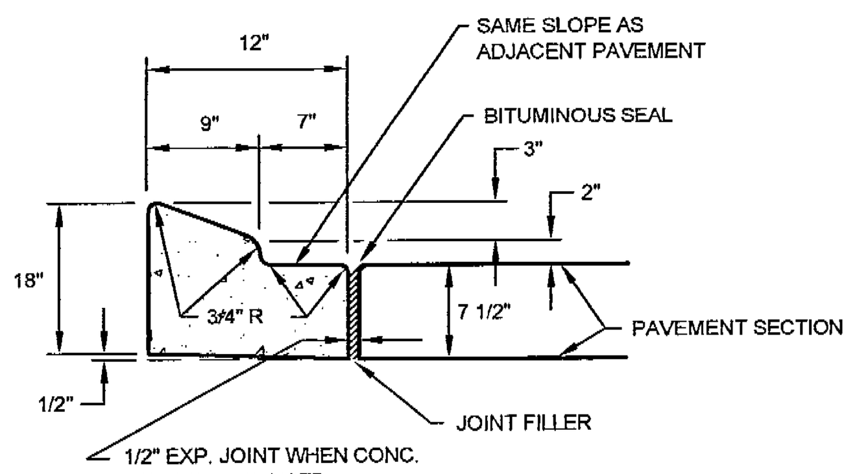


CROSS SECTION D-D

SCALE: 1" = 30' H
1" = 3' V



TYPE F STANDARD CURB



MOUNTABLE MEDIAN CURB

GENERAL NOTES

1. THE CONCRETE FOR CURBS SHALL BE DEPARTMENT OF TRANSPORTATION CLASS "I" CONCRETE, AND HAVE A COMPRESSIVE STRENGTH OF 3000 PSI. THREE TEST CYLINDERS PER DAY OF POUR.
2. ALL CURBS SHALL HAVE CONTRACTION JOINTS AND SHALL BE CONSTRUCTED AT INTERVALS NOT TO EXCEED 10'- 0" ON CENTERS FOR ALL CURBS.

CONCRETE CURB AND GUTTER DETAILS

NOT TO SCALE

STORM STRUCTURES

S1
4' DIA STORM MANHOLE
TOP ELEV. 188.00
E INV. 177.00
W INV. 176.90

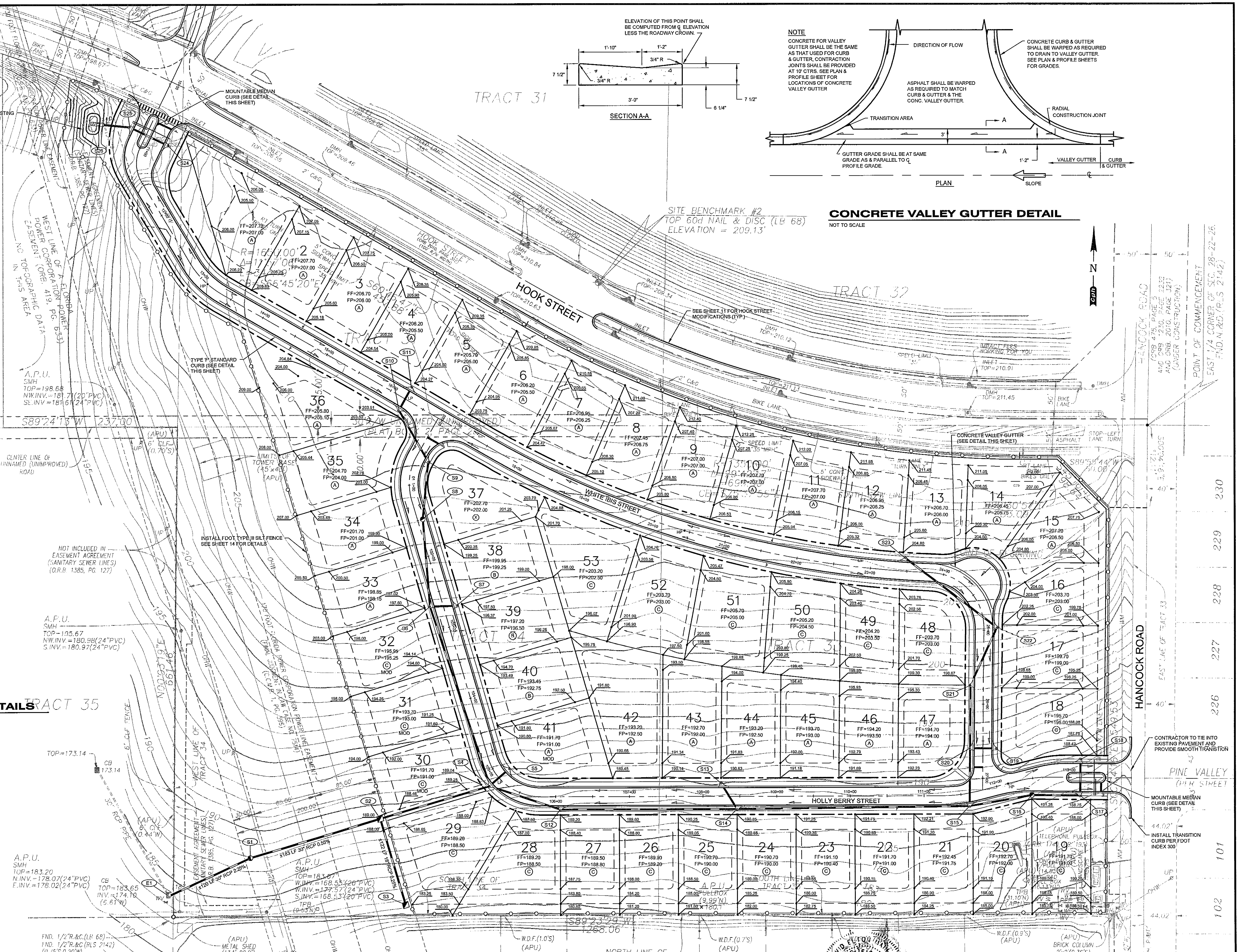
S3
FDOT TYPE 'C' INLET
TOP ELEV. 183.25
N INV. 178.50

S2
FDOT TYPE 'E' INLET
TOP ELEV. 188.50
E INV. 178.10
W INV. 178.00
S INV. 178.20

E1
EXISTING
TOP ELEV. 183.65 (EXISTING)
N INV. 174.10 (EXISTING)
E INV. 174.20 (TO BE CORED)

LEGEND

PROP. STORM SEWER WITH INLET
PROP. STORM SEWER MANHOLE
PUBLIC UTILITY EASEMENT (P.U.E.)
RIGHT OF WAY
SILT FENCE



ELEVATION OF THIS POINT SHALL BE COMPUTED FROM ℄ ELEVATION LESS THE ROADWAY CROWN.
1'-10"
1'-2"
3/4" R
7 1/2"
3'-0"
6 1/4"
SECTION A-A
NOTE
CONCRETE FOR VALLEY GUTTER SHALL BE THE SAME AS THAT USED FOR CURB & GUTTER, CONTRACTION JOINTS SHALL BE PROVIDED AT 10' CTRS. SEE PLAN & PROFILE SHEET FOR LOCATIONS OF CONCRETE VALLEY GUTTER
DIRECTION OF FLOW
CONCRETE CURB & GUTTER SHALL BE WARPED AS REQUIRED TO DRAIN TO VALLEY GUTTER. SEE PLAN & PROFILE SHEETS FOR GRADES.
ASPHALT SHALL BE WARPED AS REQUIRED TO MATCH CURB & GUTTER & THE CONC. VALLEY GUTTER.
RADIAL CONSTRUCTION JOINT
TRANSITION AREA
GUTTER GRADE SHALL BE AT SAME GRADE AS & PARALLEL TO ℄ PROFILE GRADE.
1'-2"
VALLEY GUTTER
CURB & GUTTER
PLAN
SLOPE
CONCRETE VALLEY GUTTER DETAIL
NOT TO SCALE
TRACT 30
TRACT 31
TRACT 32
TRACT 34
TRACT 35
HOOK STREET
WHITE IBIS STREET
HOLLY BERRY STREET
HANCOCK ROAD
PINE VALLEY (PER STREET)
SITE BENCHMARK #2
TOP 60d NAIL & DISC (LB 68)
ELEVATION = 209.13'
SHEET FLOW TO EXISTING RETENTION AREA
MOUNTABLE MEDIAN CURB (SEE DETAIL THIS SHEET)
TYPE 'F' STANDARD CURB (SEE DETAIL THIS SHEET)
SEE SHEET 11 FOR HOOK STREET MODIFICATIONS (TYP.)
CONCRETE VALLEY GUTTER (SEE DETAIL THIS SHEET)
INSTALL FDOT TYPE III SILT FENCE SEE SHEET 14 FOR DETAILS
CONTRACTOR TO TIE INTO EXISTING PAVEMENT AND PROVIDE SMOOTH TRANISTION
INSTALL TRANSITION CURB PER FDOT INDEX 300
A.P.U.
SMH
TOP=187.61
NE.INV.=182.44(20"PVC)
SE.INV.=182.40(20"PVC)
A.P.U.
SMH
TOP=198.68
NW.INV.=181.71(20"PVC)
SE.INV.=181.61(24"PVC)
A.P.U.
SMH
TOP=195.67
NW.INV.=180.98(24"PVC)
S.INV.=180.97(24"PVC)
A.P.U.
SMH
TOP=183.20
N.INV.=178.07(24"PVC)
E.INV.=178.02(24"PVC)
A.P.U
SMH
TOP=183.07
W.INV.=168.55(20"PVC)
W.INV.=177.57(24"PVC)
S.INV.=168.53(20"PVC)
CB
TOP=183.65
INV.=174.10
(6.61'W)
TOP=173.14
CB 173.14
WEST LINE OF A FLORIDA POWER CORPORATION POWER EASEMENT (ORB. 419, PG. 633)
NO TOPOGRAPHIC DATA IN THIS AREA
CENTER LINE OF UNNAMED (UNIMPROVED) ROAD
NOT INCLUDED IN EASEMENT AGREEMENT (SANITARY SEWER LINES) (O.R.B. 1385, PG. 127)
S89°24'13"W 237.00'
N00°03'19"E 661.48'
S89°23'29"W 1268.06'
S89°58'44"W 50.00'
R=1650.00'
Δ=11°57'06"
CB=S66°45'20"E
S60°45'47"E
±183 LF 30" RCP 0.55%
±120 LF 30" RCP 2.25%
±122 LF 18" RCP 0.25%
POINT OF COMMENCEMENT
EAST 1/4 CORNER OF SEC. 28-22-26
FND. N.&D. (RLS 2142)
FND. 1/2"R.&C.(LB 68)
FND. 1/2"R.&C.(RLS 2142)
(0.75'S,0.20'W)
(APU)
METAL SHED
(13.1'x20.0')
(APU)
BRICK COLUMN
2'x2'(0.36'S)
NORTH LINE OF
1
FF=207.70
FP=207.00
2
FF=207.70
FP=207.00
3
FF=206.70
FP=206.00
4
FF=206.20
FP=205.50
5
FF=205.70
FP=205.00
6
FF=206.20
FP=205.50
7
FF=206.95
FP=206.25
8
FF=207.45
FP=206.75
9
FF=207.00
FP=207.00
10
FF=207.70
FP=207.00
11
FF=207.70
FP=207.00
12
FF=206.95
FP=206.25
13
FF=206.70
FP=206.00
14
FF=206.45
FP=205.75
15
FF=207.20
FP=206.50
16
FF=203.70
FP=203.00
17
FF=199.70
FP=199.00
18
FF=195.70
FP=195.00
19
FF=191.70
FP=191.00
20
FF=192.70
FP=192.00
21
FF=192.45
FP=191.75
22
FF=191.70
FP=191.00
23
FF=191.10
FP=190.40
24
FF=190.70
FP=190.00
25
FF=190.70
FP=190.00
26
FF=189.90
FP=189.20
27
FF=189.50
FP=188.80
28
FF=189.20
FP=188.50
29
FF=189.20
FP=188.50
30
FF=191.70
FP=191.00
31
FF=193.70
FP=193.00
32
FF=195.95
FP=195.25
33
FF=198.85
FP=198.15
34
FF=201.70
FP=201.00
35
FF=204.70
FP=204.00
36
FF=205.80
FP=205.10
37
FF=202.70
FP=202.00
38
FF=199.95
FP=199.25
39
FF=197.20
FP=196.50
40
FF=193.45
FP=192.75
41
FF=191.70
FP=191.00
42
FF=193.20
FP=192.50
43
FF=192.70
FP=192.00
44
FF=193.20
FP=192.50
45
FF=193.70
FP=193.00
46
FF=194.20
FP=193.50
47
FF=194.70
FP=194.00
48
FF=203.70
FP=203.00
49
FF=204.20
FP=203.50
50
FF=205.20
FP=204.50
51
FF=205.70
FP=205.00
52
FF=203.70
FP=203.00
53
FF=203.20
FP=202.50
N

No.	Date	Revision	Approved	No.	Date	Revision	Approved
1				5			
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3				7			
4				8			

Date: 4-29-03

Designed by:	DEM	3/03
Drawn by:	CKJ	3/03
Checked by:	BMA	3/03
Approved by:	DEM	3/03

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Scale: 1"=60'
Date: March, 2003
Job No. G6782
File: GRADING.dwg

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GREATER CONSTRUCTION CORPORATION

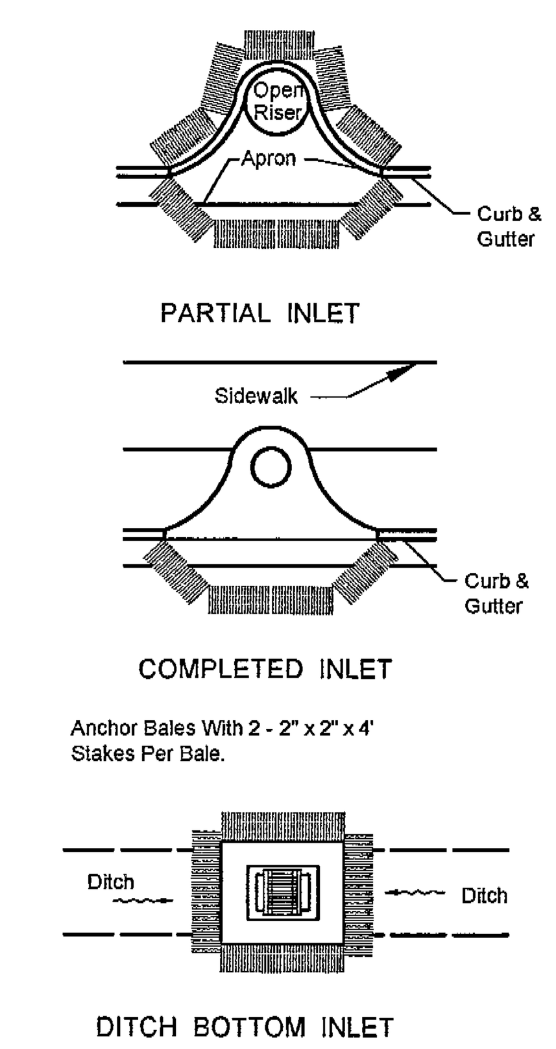
Lake County Florida

cph Engineers Planners Landscape Architects Surveyors Construction Management
www.cphengineers.com
1117 East Robinson Street, Suite C, Orlando, FL 32801
Phone: 407.425.0452 Fax: 407.648.1036

DAVID E. MAHLER 50041 STATE OF FLORIDA PROFESSIONAL ENGINEER

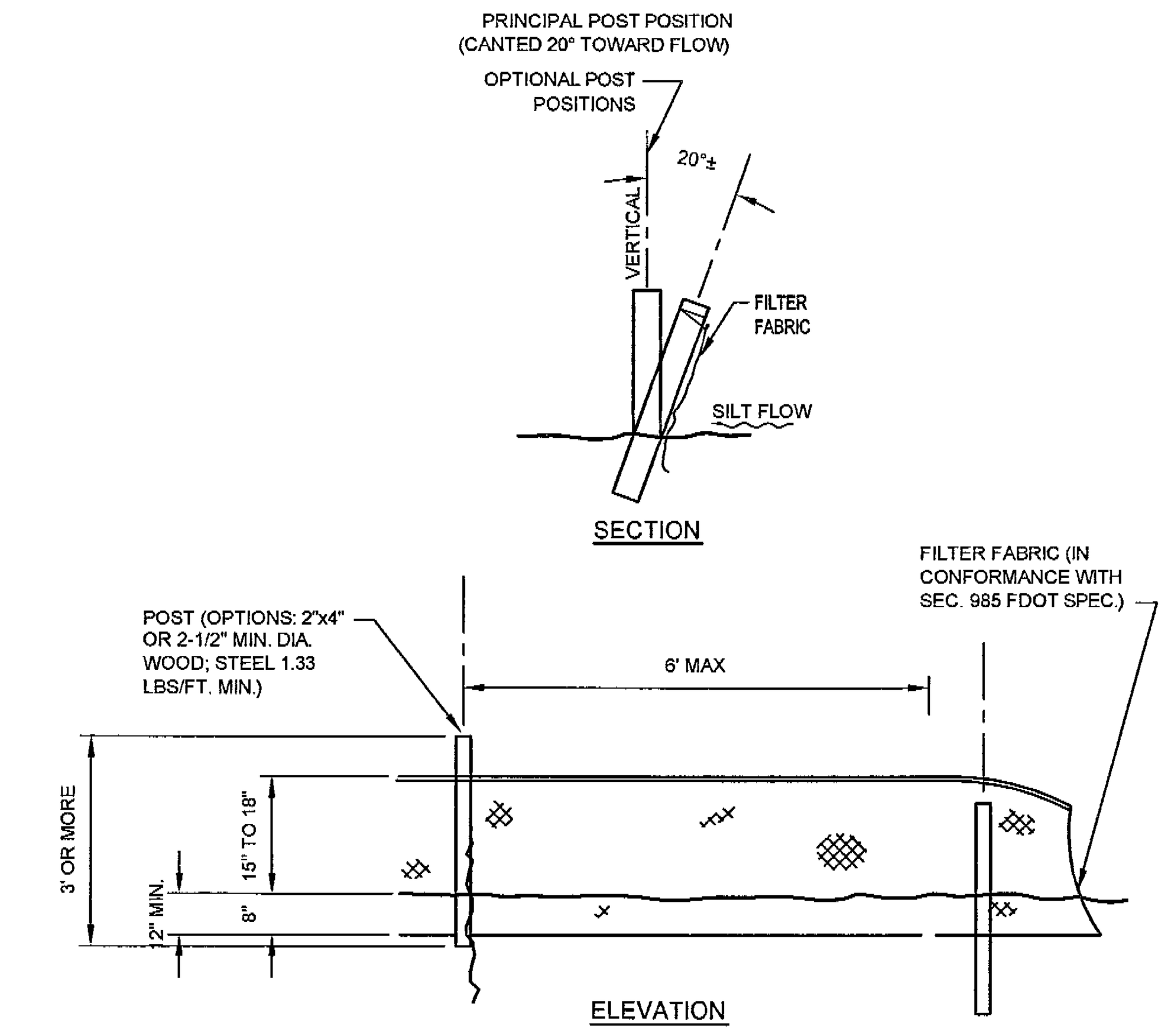
GRADING PLAN

Sheet No. 4



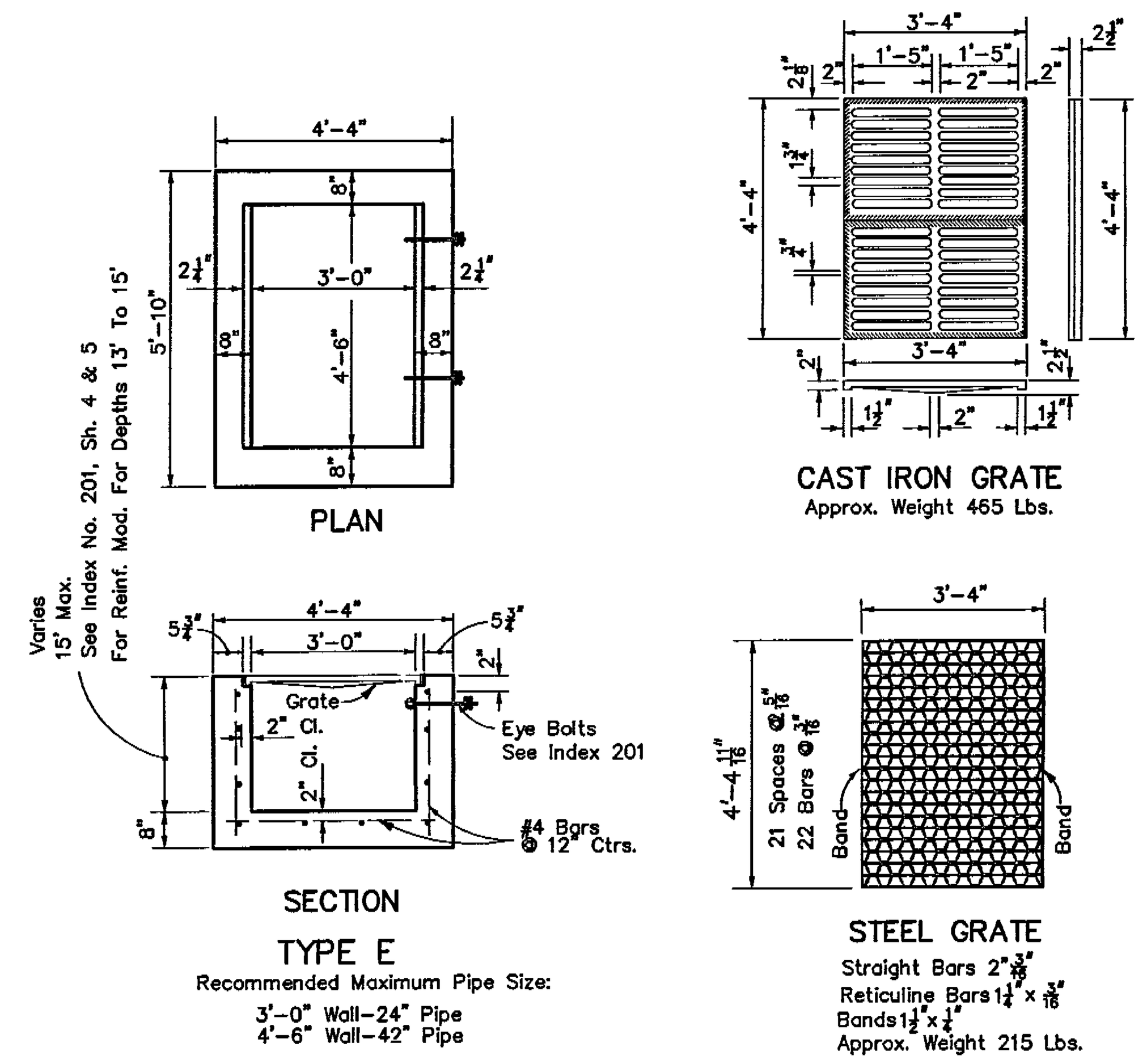
INLET PROTECTION DETAIL

NOT TO SCALE



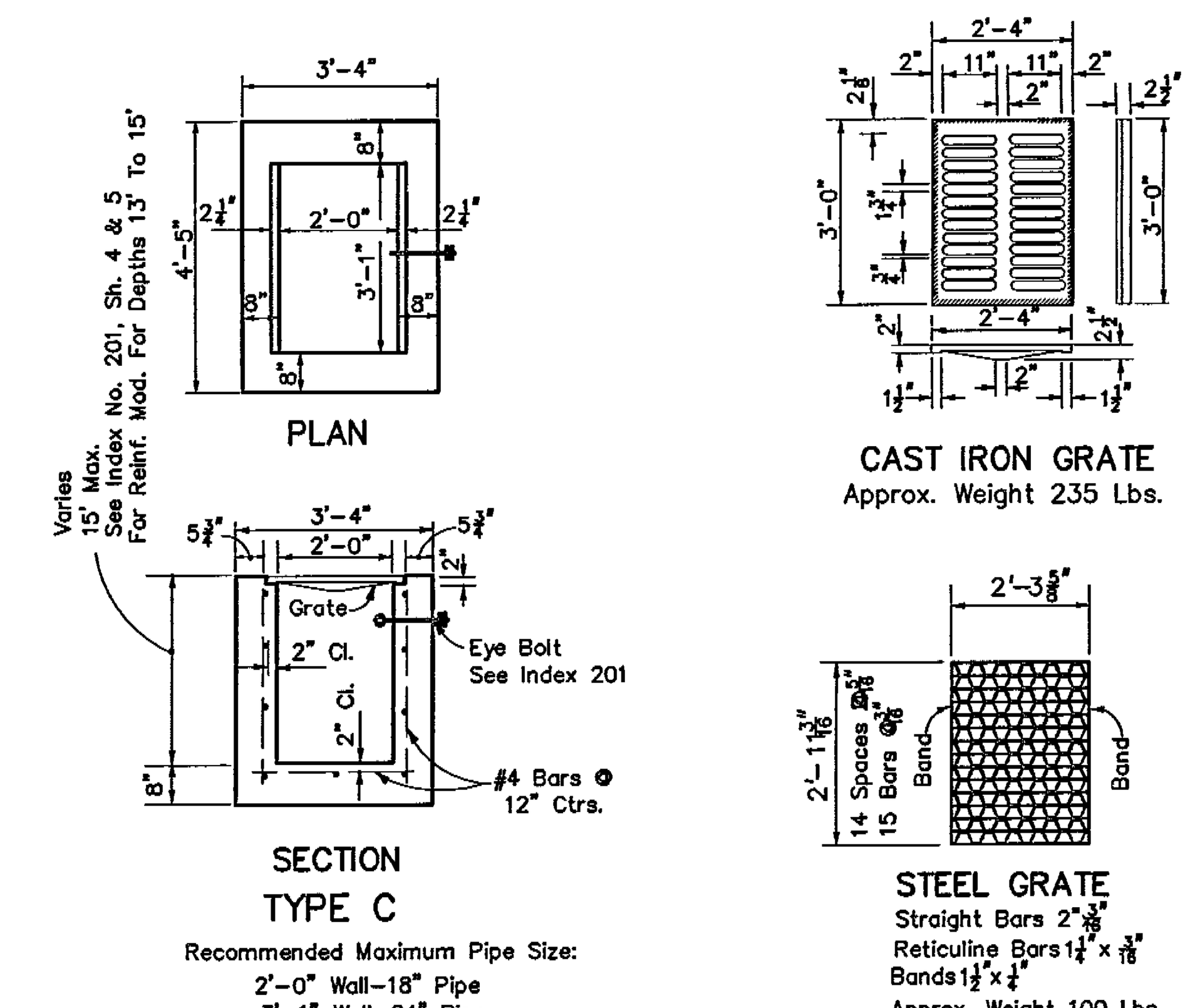
TYPE III SILT FENCE (FDOT INDEX 102)

NOT TO SCALE



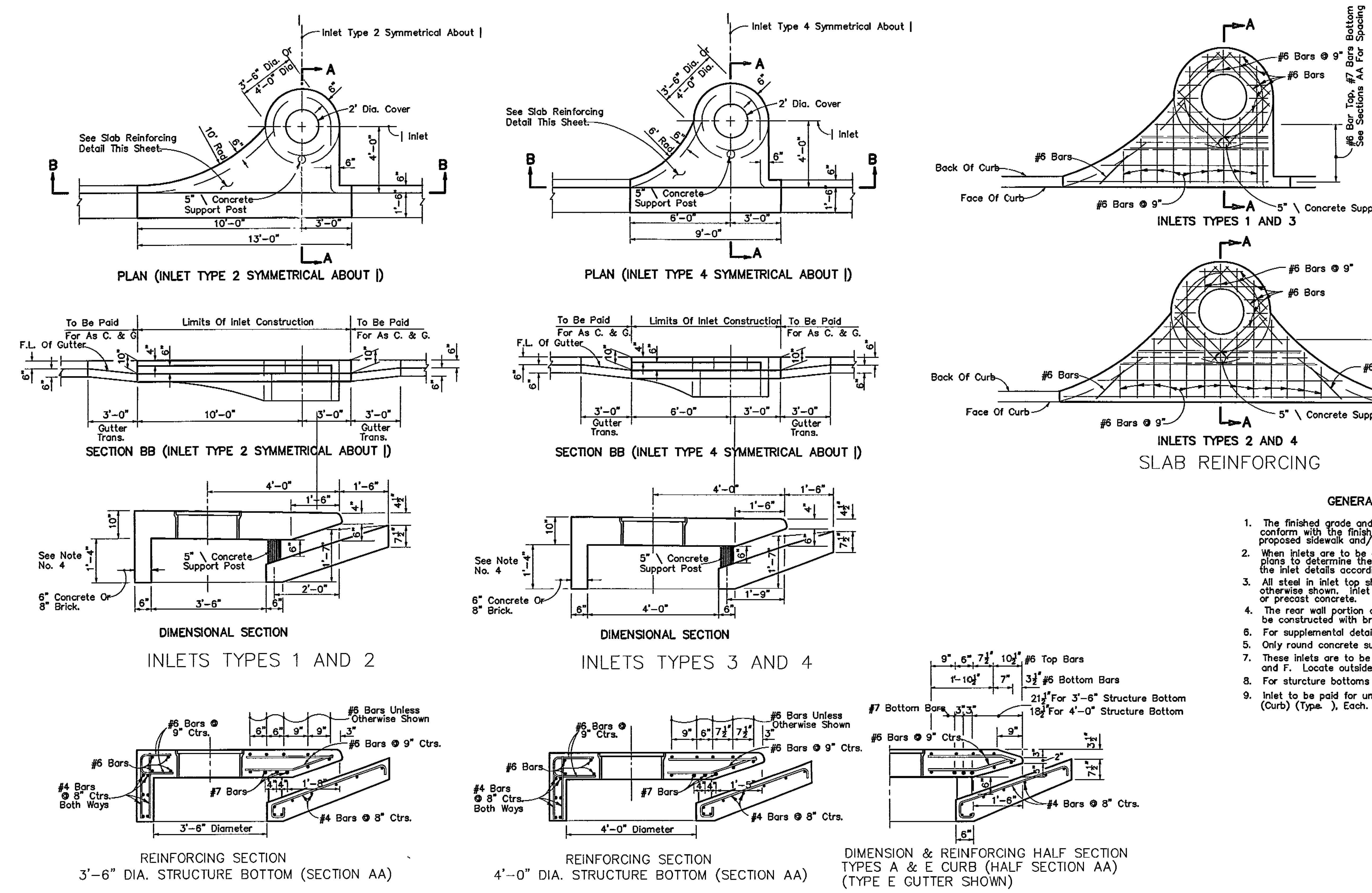
TYPE 'E' DITCH BOTTOM INLET (FDOT INDEX 232)

NOT TO SCALE



TYPE 'C' DITCH BOTTOM INLET (FDOT INDEX 232)

NOT TO SCALE



GENERAL NOTES

1. The finished grade and slope of the inlet tops are to conform with the finished cross slope and grade of the proposed sidewalk and/or border.
2. When inlets are to be constructed on a curve, refer to the plans to determine the radius and, where necessary, modify the inlet details accordingly. Bend steel when necessary.
3. All steel in inlet top shall have 1 1/2" minimum cover unless otherwise shown. Inlet tops shall be either cast-in-place or precast concrete.
4. The rear wall portion of inlet tops Types 1, 2, 3 & 4 may be constructed with brick. Dowels to top slab required.
6. For supplemental details see Index No. 201.
5. Only round concrete support post will be acceptable.
7. These inlets are to be used with Curb and Gutter Types E and F. Locate outside of pedestrain crosswalk where practical.
8. For sturcture bottoms see Index No. 200.
9. Inlet to be paid for under the contract unit price for Inlets (Curb) (Type), Each.

CURB INLET TOPS - TYPES 1, 2, 3, 4 (FDOT INDEX 210)

NOT TO SCALE

68272-8 X

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No.	Date	Revision	Approved	No.	Date	Revision	Approved
1				5			
2				6			
3				7			
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Date: 4-29-03

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Checked by:	BMA	3/03
Approved by:	DEM	3/03

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Date: March, 2003
Job No. G6782
File: STM DET.dwg

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cph — Engineers, Planners, Landscape Architects, Surveyors, Construction Management
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1117 East Robinson Street, Suite C, Orlando, FL 32801
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DAVID ELTON MAHLER CERTIFICATE NO. 50044 STATE OF FLORIDA PROFESSIONAL ENGINEER

STORMWATER DETAILS

Sheet No. **14**