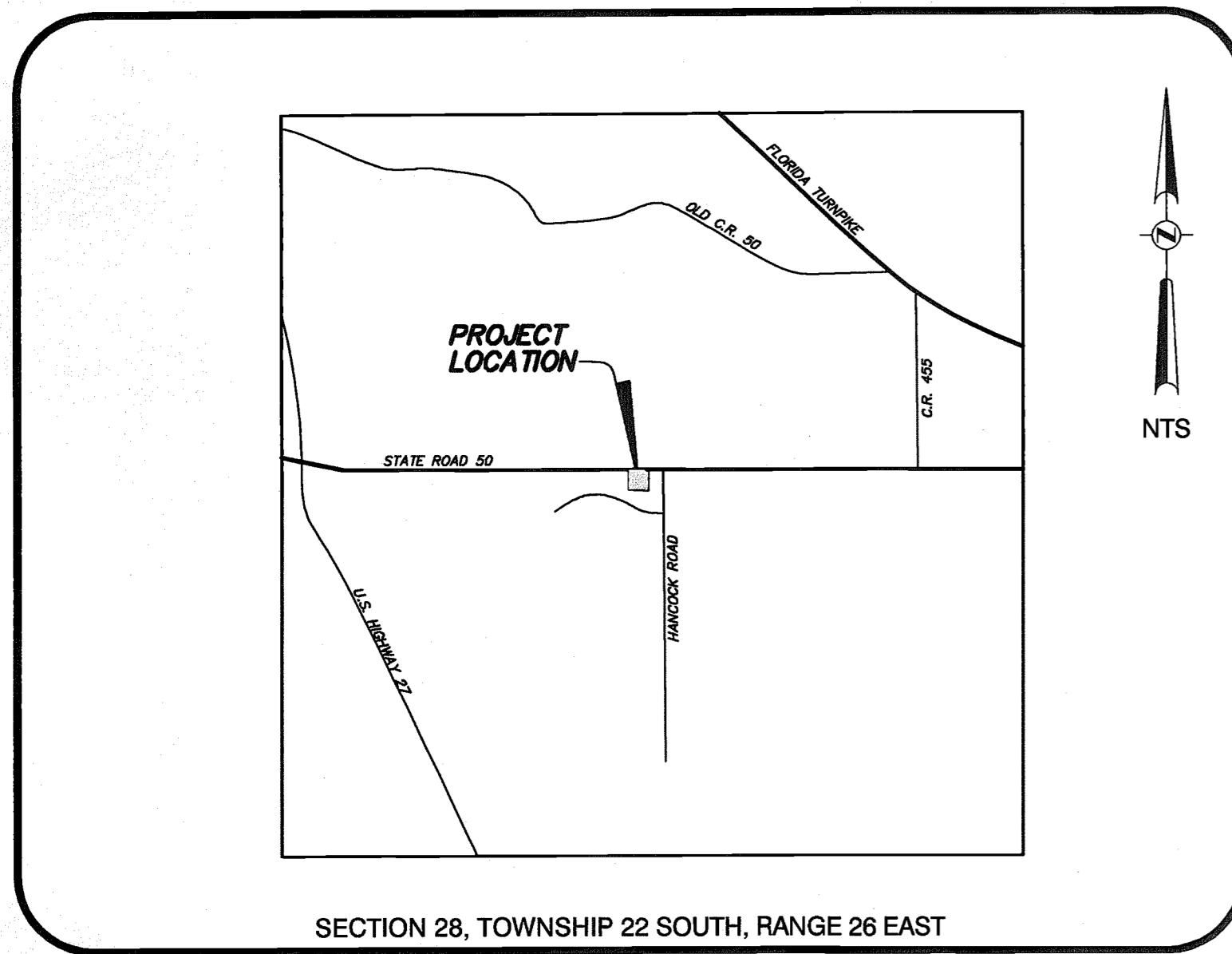


LOCATION MAP



SR-50 & HANCOCK



PLAN INDEX

1. COVER SHEET
2. SPECIFICATIONS & NOTES
- 2A. CITY SPECIFICATIONS
- 2B. CITY SPECIFICATIONS
3. DEMOLITION PLAN
4. HORIZONTAL CONTROL PLAN
5. PAVING, GRADING & DRAINAGE PLAN
6. UTILITY PLAN
7. STORMWATER POLLUTION PREVENTION PLAN
8. STORMWATER POLLUTION PREVENTION DETAILS
9. SITE DETAIL SHEET
10. WATER DETAIL SHEET
11. SEWER DETAIL SHEET
- LS1. LANDSCAPE PLAN AND DETAILS
- LS2. LANDSCAPE NOTES
- IR1. IRRIGATION PLAN
- IR2. IRRIGATION DETAILS AND NOTES
- IR3. IRRIGATION DETAILS AND NOTES
- S1. SURVEY

STARBUCKS SR-50
CONSTRUCTION PLANS

CLERMONT, FLORIDA

Prepared For:

BURKE, HOGUE & MILLS ASSOCIATES, INC.

100 COLONIAL CENTER PARKWAY; SUITE 150
LAKE MARY, FLORIDA 32746
PHONE: (407) 629-4511

Prepared By:



CIVIL ENGINEERING 4901 VINELAND ROAD, STE 190
LAND PLANNING ORLANDO, FLORIDA
TRAFFIC/TRANSPORTATION 32811
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL SCIENCES PHONE (407) 248-0505
SURVEYING FAX (407) 248-0334
GIS AVIDGROUP.COM

THE DESIGN AND IDEAS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF AVID GROUP, AND IS NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT WRITTEN AUTHORIZATION FROM AVID GROUP.

DIMENSION INFORMATION SHOULD NOT BE OBTAINED BY SCALING THE PLANS. DIMENSION INFORMATION NOT PROVIDED HEREIN CAN BE OBTAINED BY CONTACTING AVID GROUP, @ (407) 248-0505.

LEGAL DESCRIPTION

A PORTION OF SECTION 28, TOWNSHIP 22 SOUTH, RANGE 26 EAST, LAKE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEAST CORNER OF THE NORTHEAST 1/4 OF SECTION 28, TOWNSHIP 22 SOUTH, RANGE 26 EAST, LAKE COUNTY, FLORIDA; THENCE RUN S 00°50'10" W ALONG THE EAST LINE OF THE NORTHEAST 1/4 OF SAID SECTION 28 A DISTANCE OF 1373.53 FEET; THENCE DEPARTING SAID EAST LINE RUN N 89°22'20" W, A DISTANCE OF 477.01 FEET; THENCE RUN S 00°38'23" W, A DISTANCE OF 82.17 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S 00°36'23" W, A DISTANCE OF 183.48 FEET; THENCE RUN N 89°23'37" W, 200.00 FEET; THENCE RUN N 00°39'27" E, 200.00 FEET; THENCE RUN S 89°25'24" E, A DISTANCE OF 148.80 FEET TO A POINT OF CURVATURE OF A CURVE CONCAVE SOUTHWESTERLY, HAVING A RADIUS OF 50.07 FEET, AN INCLUDED ANGLE OF 54°32'12", A CHORD BEARING S 84°50'36" E AND A CHORD DISTANCE OF 45.88 FEET; RUN 42.86 FEET ALONG THE ARC OF SAID CURVE TO A POINT ON A NON-TANGENT CURVE CONCAVE SOUTHEASTERLY HAVING A RADIUS OF 25.00 FEET, AN INCLUDED ANGLE OF 22°31'50", A CHORD BEARING OF N 75°32'04" E, AND A CHORD DISTANCE OF 9.77 FEET, RUN 9.83 FEET ALONG THE ARC OF SAID CURVE TO THE POINT OF BEGINNING.

CONTAINING 39,620.62 SQUARE FEET OR 0.909 ACRES MORE OR LESS.

SITE DATA

PROPERTY OWNER:
JOHN P. AND ANNA D. ADAMS FAMILY, LP
P.O. BOX 1667
WINTER HAVEN, FLORIDA 33882-1667

DEVELOPED BY:
STARBUCKS COFFEE COMPANY
4207 VINELAND ROAD
ORLANDO, FL 32811

PROPERTY LOCATION:
THE EAST 2500 BLOCK OF SR-50, CLERMONT FLORIDA
400 FEET WEST OF HANCOCK ROAD ON THE SOUTH SIDE OF SR-50

PROPERTY ZONING: C-2 COMMERCIAL
PARCEL ID: 09-22-26-120501700003
FAR: 0.048

BUILDING SETBACK REQUIREMENTS:

FRONT: 50'
SIDE: 12'
REAR: 25'

PROPERTY USE:

| USE: | EXISTING | | PROPOSED | |
|------|-------------|----------------------------|----------|--|
| | PARKING LOT | RESTAURANT WITH DRIVE THRU | | |
| | | | | |

MAXIMUM BUILDING HEIGHT:

| HEIGHT: | ALLOWED | | PROPOSED | |
|---------|---------|--|----------|--|
| | | | | |
| | 35' | | 35' | |

LOT COVERAGE CALCULATIONS:

| | EXISTING | EXISTING | PROPOSED | PROPOSED |
|-------------------------|-----------|----------|-----------|----------|
| BUILDING AREA | 0 SF | 0.00% | 1,910 SF | 4.82% |
| PARKING & SIDEWALK AREA | 35,360 SF | 89.22% | 29,791 SF | 75.17% |
| TOTAL IMPERVIOUS AREA | 35,360 SF | 89.22% | 31,701 SF | 79.99% |
| TOTAL PERVIOUS AREA | 4,271 SF | 10.78% | 7,930 SF | 20.01% |
| TOTAL SITE AREA | 39,631 SF | 100.00% | 39,631 SF | 100.00% |

PARKING (REQUIRED):

1 PARKING SPACE PER 50 SF OF FLOOR AREA
DEVOTED TO PATRON USE (INDOOR=898,
OUTDOOR=638) TOTAL = 1,536 SF
1,536 SF/50 = 31 SPACES REQUIRED

HC SPACES REQUIRED: 2

STANDARD STALL SIZE = 9' x 18' AND 10' x 20'
HC STALL SIZE = 12' x 18'

PARKING (PROPOSED):

STANDARD PARKING SPACES = 40
HC SPACES = 2
TOTAL PARKING SPACES = 42

FLOOD ZONE:

THIS PROPERTY LIES IN FLOOD ZONE "X", AS PER FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP; COMMUNITY PANEL No. 12069 C0565 D, DATED 07/03/02

PROFESSIONAL TEAM

CIVIL ENGINEERS/PLANNERS:

AVID GROUP
4901 VINELAND ROAD; SUITE 190
ORLANDO, FLORIDA 32811
PHONE: (407) 248-0505

GEOTECHNICAL ENGINEERS:

TERRACON CONSULTANTS, INC.
503 WEST CENTRAL BLVD.
ORLANDO, FLORIDA 32801
PHONE: (407) 843-1311

SURVEYORS:

ASSOCIATED LAND SURVEYING & MAPPING, INC.
101 WYMORE ROAD, SUITE 111
ALTIMONTE SPRINGS, FLORIDA 32714
407-869-5002

TRAFFIC ENGINEERS:

AVID GROUP
2300 CURLEW ROAD; SUITE 100
PALM HARBOR, FLORIDA 34683
PHONE: (727) 789-9500

ARCHITECT:

BURKE, HOGUE & MILLS ASSOCIATES, INC.
100 COLONIAL CENTER PARKWAY; SUITE 150
LAKE MARY, FLORIDA 32746
PHONE: (407) 629-4511

LANDSCAPE ARCHITECT:

AVID GROUP
2300 CURLEW ROAD; SUITE 100
PALM HARBOR, FLORIDA 34683
PHONE: (727) 789-9500

UTILITY COMPANIES

GAS:

LAKE APOPKA NATURAL GAS
P.O. BOX 771275
WINTER GARDEN, FLORIDA 34777
CONTACT: ALEX WOSGIEN
407-656-2864

TELEPHONE:

MCI COMMUNICATIONS
69 W. CONCORD STREET
CLERMONT, FLORIDA 33801
CONTACT: TIM COLE
407-941-4228

CABLE:

BRIGHTHOUSE NETWORK
730 S. MAIN STREET
WILDWOOD, FLORIDA 34785
CONTACT: JOHN WALSKY
386-775-4444 EXT. 7879

POWER:

PROGRESS ENERGY
401 CITRUS TOWER BLVD.
CLERMONT, FLORIDA 34711
CONTACT: SUE FREYSER
407-646-8364

SEWER:

CITY OF CLERMONT
685 W. MONTROSE STREET
CLERMONT, FLORIDA 34711
352-241-7335

WATER:

CITY OF CLERMONT
685 W. MONTROSE STREET
CLERMONT, FLORIDA 34711
352-241-7335

84016-8

RECEIVED

DEC 21 2006

FDS
ALTIMONTE SVC. CTR.

STARBUCKS SR-50
AVID GROUP JOB # 2078-016

FIRE HYDRANTS

FIRE HYDRANTS SHALL CONFORM TO THE LATEST EDITION OF AWWA C502.85 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 BREAKAWAY TYPE, WITH THE BREAKAWAY 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 CONNECTION 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 SHEPWIN WILLIAMS TISHA 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 SHALL BE PLACED IN THE CENTERLINE OF THE DRIVING LANE CLOSEST TO AND DIRECTLY IN FRONT OF EACH FIRE HYDRANT.
2. A POST-CONSTRUCTION FIRE FLOW TEST SHALL BE CONDUCTED. HYDRANTS SHALL DELIVER THE REQUIRED GPM PER THE CITY OF CLERMONT LAND DEVELOPMENT REGULATIONS WITH A RESIDUAL PRESSURE OF 20 PSI. CONTRACTOR SHALL NOTIFY CITY OF CLERMONT ENGINEERING DEPARTMENT WHEN HYDRANTS ARE READY TO BE FLOW TESTED. FOR FIRE HYDRANTS LOCATED WITHIN THE CITY OF CLERMONT, CONNECTED TO THE CITY OF CLERMONT'S WATER SYSTEM, AND/OR LOCATED WITHIN CLERMONT FIRE DEPARTMENT'S PROTECTION AREA, THIS TEST SHALL BE CONDUCTED BY CITY OF CLERMONT FIRE DEPARTMENT PERSONNEL. THIS TEST SHALL BE PROVIDED BY THE CONTRACTOR FOR LOCATIONS NOT INCLUDED ABOVE. THIS TEST MAY BE WITNESSED BY THE OWNER/OPERATOR IF REQUESTED AT TIME OF NOTIFICATION THAT HYDRANTS ARE READY FOR FLOW TEST.
3. IF A PERMIT FOR THE WATER SYSTEM IS REQUIRED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP), THE SYSTEM SHALL BE ACCEPTED AND APPROVED BY DEP PRIOR TO BEING PRESSURIZED OFF OF THE CITY SYSTEM AND PRIOR TO ANY FLOW TESTS BEING CONDUCTED.
4. FIRE HYDRANTS AND FIRE PROTECTION APPLIANCES SHALL BE KEPT ACCESSIBLE TO THE FIRE DEPARTMENT AT ALL TIMES. THE FOLLOWING CLEARANCES SHALL BE MAINTAINED FOR ALL FIRE HYDRANTS AND FIRE PROTECTION APPLIANCES. CLEARANCE OF SEVEN AND ONE-HALF FEET (7'-6") IN FRONT OF AND TO THE SIDES OF A FIRE HYDRANT, WITH A FOUR FOOT (4') CLEARANCE TO THE REAR OF THE HYDRANT. CLEARANCES OF SEVEN AND ONE-HALF FEET (7'-6") IN FRONT OF AND TO THE SIDES OF THE APPLIANCES. NO PERSON SHALL PLACE, OR KEEP ANY POST, FENCE, VEHICLE, GROWTH, VEGETATION, TRASH OR STORAGE OF OTHER MATERIALS THAT WOULD OBSTRUCT A FIRE HYDRANT OR FIRE PROTECTION APPLIANCE AND HINDER OR PREVENT ITS IMMEDIATE USE BY FIRE DEPARTMENT PERSONNEL. SUCH FIRE HYDRANT OR FIRE PROTECTION APPLIANCE SHALL BE KEPT READILY VISIBLE AT ALL TIMES.
5. FIRE HYDRANTS SHALL NOT BE LOCATED CLOSER THAN THREE (3) FEET TO OR MORE THAN TWENTY (20) FEET FROM THE EDGE OF A STREET, DRIVE OR OTHER ACCESSWAY. UNLESS OTHERWISE REQUESTED BY THE FIRE OFFICIAL, THE 4-1/2" CONNECTION SHALL FACE THE NEAREST ROADWAY, OR IF LOCATED WITHIN A COMPLEX PARKING AREA, SHALL FACE THE NEAREST TRAFFIC WAY. NO HYDRANT SHALL BE INSTALLED WHERE PEDESTRIAN OR VEHICULAR TRAFFIC WOULD INTERFERE WITH THE USE OF THE HYDRANT. THE STANDARD FIRE HYDRANT APPROVED FOR USE IN THE CITY IS MUELLER MODEL A-423. THE CITY'S STANDARD FIRE HYDRANT DETAIL AND NOTES ARE AVAILABLE FROM THE CITY ENGINEER'S OFFICE AND MUST BE INCLUDED IN THE SITE PLANS. ALL FIRE HYDRANTS AND MAINS, INCLUDING THOSE PRIVATELY OWNED, THAT ARE CONNECTED TO THE CITY'S POTABLE WATER SYSTEM, SHALL CONFORM TO CITY STANDARDS.
6. A MINIMUM NUMBER OF FIRE HYDRANTS SHALL BE PROVIDED AND/OR AVAILABLE TO PROVIDE EQUAL TO OR GREATER THAN THE NEEDED FIRE FLOW FOR ALL BUILDINGS ON THE SITE BASED ON THE FOLLOWING CREDITS: HYDRANT(S) WITHIN 300 FEET OF THE BUILDING, 1,000 GPM CREDIT; HYDRANT(S) 301 TO 600 FEET, 670 GPM CREDIT; HYDRANT(S) 601 TO 1,000 FEET, 250 GPM CREDIT.

FIRE DEPARTMENT CONNECTIONS

ANY FIRE DEPARTMENT CONNECTION (FMDC) FOR FIRE SPRINKLER OR STANDPIPE SYSTEMS MUST BE WITHIN 100 FEET OF A FIRE HYDRANT. THE FDC MAY BE INSTALLED DIRECTLY ON THE DOUBLE DETECTOR CHECK VALVE BACK FLOW PREVENTOR AS LONG AS THE REQUIREMENT TO BE WITHIN 100 FEET OF A FIRE HYDRANT IS COMPLIED WITH. FIRE DEPARTMENT CONNECTIONS SHALL BE IDENTIFIED BY A SIGN THAT STATES, "NO PARKING FIRE DEPARTMENT CONNECTION" AND SHALL BE DESIGNED IN ACCORDANCE WITH FDOT STANDARDS FOR INFORMATION SIGNAGE. THE LOCATION OF ANY FDC MUST BE SHOWN ON THE SITE PLANS UTILITY SHEET.

DEDICATED FIRE MAINS

THE "POINT OF SERVICE" FOR ANY FIRE MAIN MUST BE CALLED OUT ON THE UTILITY SHEET OF THE SITE PLANS. THIS IS THE POINT WHERE A WATER LINE BECOMES DEDICATED TO ONLY FIRE PROTECTION, SUCH AS SUPPLYING ONLY A FIRE HYDRANT OR FIRE SPRINKLER SYSTEM, AND THERE IS NO POTABLE WATER SUPPLY COMING OFF OF THE WATER LINE BEYOND THIS POINT.

FIRE DEPARTMENT ACCESS

FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED AND MAINTAINED IN ACCORDANCE WITH THE FLORIDA FIRE PREVENTION CODE AND RULES ESTABLISHED BY THE CITY OF CLERMONT FOR EVERY FACILITY, BUILDING, OR PORTION OF A BUILDING HEREAFTER CONSTRUCTED OR RELOCATED. A FIRE DEPARTMENT ACCESS ROAD SHALL EXTEND TO WITHIN 50 FEET (15 m) OF AN EXTERIOR DOOR PROVIDING ACCESS TO THE INTERIOR OF THE BUILDING. FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED SUCH THAT IN ANY PORTION OF THE FACILITY OR ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY OF A BUILDING IS LOCATED NOT MORE THAN 150 FEET (46 m) FROM FIRE DEPARTMENT ACCESS ROADS AS MEASURED BY A ROUTE APPROVED BY THE LOCAL FIRE OFFICIAL AROUND THE EXTERIOR OF THE BUILDING OR FACILITY (THE DISTANCE SHALL BE PERMITTED TO BE INCREASED TO 450 FEET WHEN BUILDINGS ARE PROTECTED WITH AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM THAT IS INSTALLED IN ACCORDANCE WITH NFPA STANDARDS).

FIRE DEPARTMENT ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET (6.1 m). AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13 FEET 6 INCHES (4.1m), SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS (MINIMUM 32 TONS), AND SHALL BE PROVIDED WITH A SURFACE SUITABLE FOR ALL-WEATHER DRIVING CAPABILITIES. THE TURNING RADIUS OF A FIRE DEPARTMENT ACCESS ROAD SHALL BE AS APPROVED BY THE AHA. DEAD-END FIRE DEPARTMENT ACCESS ROADS IN EXCESS OF 150 FEET (46 m) IN LENGTH SHALL BE PROVIDED WITH APPROVED PROVISIONS FOR THE TURNING AROUND OF FIRE APPARATUS. WHEN A BRIDGE IS REQUIRED TO BE USED AS PART OF FIRE DEPARTMENT ACCESS ROAD, IT SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH NATIONALLY RECOGNIZED STANDARDS. THE BRIDGE SHALL BE DESIGNED FOR A LIVE LOAD SUFFICIENT TO CARRY THE IMPOSED LOADS OF FIRE APPARATUS (MINIMUM 32 TONS). THE ANGLE OF APPROACH AND DEPARTURE FOR ANY MEANS OF FIRE DEPARTMENT ACCESS SHALL NOT EXCEED 1 FOOT DROP IN 20 FEET (0.3 m DROP IN 6 m), AND THE DESIGN LIMITATIONS OF THE FIRE APPARATUS OF THE FIRE DEPARTMENT SHALL BE SUBJECT TO APPROVAL BY THE AHA. THE LOAD RATING OF FIRE DEPARTMENT ACCESS ROADS AND BRIDGES SERVING DETACHED ONE OR TWO-FAMILY OCCUPANCIES ONLY MAY BE DECREASED UPON APPROVAL BY THE LOCAL FIRE OFFICIAL.

THE REQUIRED WIDTH OF A FIRE DEPARTMENT ACCESS ROAD SHALL NOT BE OBSTRUCTED IN ANY MANNER, INCLUDING BY THE PARKING OF VEHICLES. MINIMUM REQUIRED WIDTHS AND CLEARANCES SHALL BE MAINTAINED AT ALL TIMES. ENTRANCES TO ROADS, TRAILS, OR OTHER ACCESSWAYS THAT HAVE BEEN CLOSED WITH GATES AND BARRIERS SHALL NOT BE OBSTRUCTED BY PARKED VEHICLES. FIRE LANE MARKINGS MUST BE INSTALLED IN ANY LOCATIONS WHERE VEHICLES MAY PARK AND BLOCK TRAFFIC WAYS OR FREE AND CLEAR ACCESS FOR FIRE AND EMERGENCY APPARATUS.

FIRE LANE MARKINGS ON THE PAVEMENT MUST BE IN DOT YELLOW OR RED AND INCLUDE A CROSSSHATCH AREA THAT EXTENDS A MINIMUM OF THREE FEET OUT FROM THE CURB. ANY CURBS MUST ALSO BE PAINTED DOT YELLOW OR RED. MARKED TRAFFIC SURFACES MUST HAVE THE WORDS, FIRE LANE - NO PARKING, PAINTED ON THE SURFACE. THIS WORDING MUST REPEAT THE ENTIRE LENGTH OF THE FIRE LANE, AND BE SPACED NO MORE THAN 50 FEET APART. WORDING ON PAVED SURFACES MUST BE A MINIMUM OF 10" TALL. ANY REQUIRED FIRE LANES SHALL BE MARKED WITH SIGNS WITH THE WORDING, "NO PARKING FIRE LANE BY ORDER OF THE FIRE DEPARTMENT." SUCH SIGNS SHALL BE 12 INCHES BY 18 INCHES WITH A WHITE BACKGROUND AND RED LETTERS AND SHALL BE A MAXIMUM OF 7 FEET IN HEIGHT FROM THE ROADWAY TO THE BOTTOM PART OF THE SIGN. THE SIGNS SHALL BE WITHIN SIGHT OF THE TRAFFIC FLOW AND BE A MAXIMUM OF 50 FEET APART.

A 20' x 20' CROSS-HATCH AREA MUST BE INDICATED ON THE PAVEMENT IN FRONT OF AND CENTERED ON ANY FIRE DEPARTMENT CONNECTIONS FOR FIRE SPRINKLER OR STANDPIPE SYSTEMS THAT ARE LOCATED ON BUILDINGS OR IN PARKING LOTS WHERE VEHICLES MAY PARK AND BLOCK CLEAR ACCESS TO THE CONNECTION. THE CROSS-HATCH AREA MUST INCLUDE WORDING AS SPECIFIED ABOVE. A SIGN INDICATING "NO PARKING FIRE DEPARTMENT CONNECTION" MUST BE INSTALLED IN THIS AREA.

THE CURB MUST BE PAINTED DOT YELLOW OR RED, FOR A LENGTH OF 30 FEET CENTERED ON ANY FIRE HYDRANTS OR FIRE DEPARTMENT SIAMENSE CONNECTIONS THAT ARE INSTALLED ALONG A PARKING LOT, DRIVE OR STREET TO PREVENT VEHICLES FROM PARKING WITHIN 15 FEET OF THE HYDRANT OR CONNECTION. WORDING MUST BE PAINTED ON CURBS IN THESE AREAS INDICATING "NO PARKING FIRE LANE" AND MUST BE A MINIMUM OF 3" TALL.

BUILDING MARKINGS

ADDRESS NUMERALS SHALL NOT BE LESS THAN THREE INCHES IN HEIGHT FOR RESIDENTIAL BUILDINGS, STRUCTURES, OR PORTIONS THEREOF, AND AT LEAST SIX INCHES IN HEIGHT FOR ALL OTHER BUILDINGS, STRUCTURES OR PORTIONS THEREOF. ADDRESS NUMERALS SHALL BE ARABIC NUMERALS OR ALPHABET LETTERS, NO CURSIVE LETTERS.

COMMERCIAL BUILDINGS

"YNOX BOX" OR "FALSFAF" LOCK BOXES WILL BE REQUIRED ON ALL COMMERCIAL BUILDINGS (NFPA 1, CHAPTER 3-6 AS ADAPTED IN THE FLORIDA FIRE PREVENTION CODE THROUGH FLORIDA ADMINISTRATIVE CODE CHAPTER 4A-60.003, RULES OF THE STATE FIRE MARSHAL, AND AUTHORIZED BY FLORIDA STATUTES 633.0215, 633.025). THESE SHALL BE INSTALLED ON THE EXTERIOR WALL OF THE BUILDING WITHIN ONE FOOT OF THE LEFT SIDE OF THE MAIN PUBLIC ENTRANCE DOOR AT A HEIGHT OF SIX (6) FEET. IN THE CASE OF A MULTI-OCCUPANCY BUILDING, SUCH AS A ROW OF STORES, MULTI-OFFICE BUILDING, ETC., ONLY ONE LOCK BOX PER BUILDING WILL BE REQUIRED UNLESS EXTENUATING CIRCUMSTANCES INDICATE THE NEED FOR ADDITIONAL LOCK BOXES. THIS BOX SHALL BE INSTALLED ON THE EXTERIOR WALL OF THE BUILDING WITHIN ONE FOOT OF THE LEFT END OF THE SIDE OF THE BUILDING CONTAINING THE MAIN PUBLIC ENTRANCE (AS YOU ARE FACING THE MAIN ENTRANCE) AT A HEIGHT OF SIX (6) FEET. IN THE CASE OF A MULTI-FAMILY COMPLEX, ONLY ONE LOCK BOX WILL BE REQUIRED FOR THE COMPLEX UNLESS EXTENUATING CIRCUMSTANCES INDICATE THE NEED FOR ADDITIONAL LOCK BOXES. THIS BOX SHALL BE LOCATED AT THE MAIN ENTRANCE TO THE CLUBHOUSE, INSTALLED AS INDICATED ABOVE FOR COMMERCIAL BUILDINGS. IF THERE IS NO CLUBHOUSE, THE BOX SHALL BE INSTALLED PER A CITY FIRE OFFICIAL. A CITY FIRE OFFICIAL MAY BE CONTACTED IF IT IS NOT POSSIBLE TO INSTALL THE BOX AT THE LOCATIONS INDICATED ABOVE. THE CITY FIRE OFFICIAL WILL MAKE A DETERMINATION AS TO THE LOCATION WHERE THE BOX WILL BE INSTALLED.

LOCK BOXES SHALL CONTAIN KEYS TO THE BUILDING (INCLUDING ENTRANCE DOORS AND ALL ELECTRICAL AND MECHANICAL ROOMS) AND ANY SYSTEMS IN THE BUILDING (SUCH AS FIRE ALARM PANELS, FIRE ALARM PULL STATIONS, SMOKE DETECTOR RESET, SPRINKLER SYSTEMS, ELEVATORS, ETC.). BOXES FOR MULTI-OCCUPANCY BUILDINGS AND MULTI-FAMILY COMPLEXES SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE KEYS FOR EACH INDIVIDUAL OCCUPANCY AND MASTER KEYS FOR EACH SEPARATE BUILDING, AS WELL AS ANY SYSTEMS IN ALL OCCUPANCIES AND BUILDINGS. ALL LOCK BOXES SHALL ALSO CONTAIN BUSINESS CARDS WITH AFTER-HOURS EMERGENCY CONTACT NUMBERS FOR EACH OCCUPANCY, THE CODE(S) FOR SILENCING AND RESETTING ANY FIRE ALARM SYSTEMS SHALL BE WRITTEN ON THE BACK OF THE BUSINESS CARD(S) FOR EACH OCCUPANCY.

APPLICATIONS FOR THE PURCHASE OF "YNOX BOX" OR "FALSFAF" EQUIPMENT ARE AVAILABLE FROM THE FIRE DEPARTMENT. EACH BOX TO BE INSTALLED WITHIN THE CITY OF CLERMONT WILL BE KEPT TO ACCOMMODATE CLERMONT FIRE DEPARTMENT'S LOCK BOX KEY. BUILDING OWNERS OR OCCUPANTS WILL NOT HAVE A KEY TO THE BOX. THE OWNER OR DEVELOPER SHALL NOTIFY THE FIRE DEPARTMENT (352-394-7662) AFTER THE BOX HAS BEEN INSTALLED AND ALL REQUIRED KEYS ARE AVAILABLE. A FIRE DEPARTMENT REPRESENTATIVE WILL MEET A REPRESENTATIVE OF THE BUILDING AT THE SITE TO LOCK THE KEYS IN THE BOX. WHENEVER ANY KEYS, CODES OR EMERGENCY CONTACT NUMBERS ARE CHANGED, THE FIRE DEPARTMENT SHALL BE NOTIFIED IMMEDIATELY SO A FIRE DEPARTMENT REPRESENTATIVE CAN UNLOCK THE BOX AND REPLACE THE CHANGED ITEMS.

BUILDING MATERIALS

NFPA 241 (STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS) AS ADAPTED IN THE FLORIDA ADMINISTRATIVE CODE (RULES OF THE STATE FIRE MARSHAL) AND THE FLORIDA FIRE PREVENTION CODE, AND AUTHORIZED BY FLORIDA STATE STATUTES, CHAPTER 633, REQUIRES THAT A WATER SUPPLY FOR FIRE PROTECTION SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLE MATERIAL ACCUMULATES ON THE SITE AND THAT THERE SHALL BE NO DELAY IN THE INSTALLATION OF FIRE PROTECTION EQUIPMENT. THIS SECTION ALSO STATES, "WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED AND IN SERVICE PRIOR TO CONSTRUCTION WORK."

EMERGENCY VEHICLE ACCESS CONTROL (EVAC) SYSTEM

THE CITY OF CLERMONT LAND DEVELOPMENT REGULATIONS, SECTION 110-192 (1), REQUIRES THAT ALL GATED COMMUNITIES IN THE CITY OF CLERMONT INSTALL THE "EVAC" (EMERGENCY VEHICLE ACCESS CONTROL) REMOTE GATE OPENING EQUIPMENT ON ALL ENTRY GATES. THE EVAC SYSTEM SHALL BE IN ADDITION, AND SEPARATE, FROM THE GATE OPENING SYSTEM THAT IS PROVIDED FOR THE RESIDENTS. A KEYPAD CODE ENTRY DEVICE SHALL ALSO BE INSTALLED AT EACH GATE, WITH THE ENTRY CODE SUPPLIED TO THE FIRE DEPARTMENT IN WRITING UPON INSTALLATION. THE DEVELOPER SHALL PROVIDE FIVE (5) CONTROLLERS FOR THE EVAC SYSTEM TO THE CLERMONT FIRE DEPARTMENT. FOR FURTHER REQUIREMENTS REFER TO THE CITY OF CLERMONT LAND DEVELOPMENT REGULATIONS, SECTION 110-192 (1), SECURITY ACCESS CONTROL, 800-637-5945, DISTRIBUTES THE EVAC SYSTEM. SECURITY ACCESS CONTROL MAY BE CONTACTED REGARDING ANY QUESTIONS ABOUT THE SYSTEM OR TO GET INFORMATION ON LOCAL VENDORS THAT CAN INSTALL THE SYSTEM.

NEEDED FIRE FLOW CALCULATIONS

NEEDED FIRE FLOW CALCULATIONS FOR ALL BUILDINGS ON THE SITE BASED ON THE ISO FIRE SUPPRESSION RATING SCHEDULE GUIDE FOR NEEDED FIRE FLOW CALCULATIONS SHALL BE SHOWN ON THE SITE PLANS. THE INSURANCE SERVICES OFFICE (ISO) GUIDE FOR CALCULATING THE NEEDED FIRE FLOW CAN BE FOUND ON THE ISO WEB SITE AT <http://www.isoemsgroup.com/downloads/ppc3001.pdf>. THE FIRE FLOW CALCULATIONS ARE BASED ON A NON-SPRINKLERED BUILDING. BUILDINGS PROTECTED BY AN AUTOMATIC FIRE SPRINKLER SYSTEM ARE THEN GIVEN CREDIT BASED ON 50% OF NEEDED FIRE FLOW PLUS SPRINKLER SYSTEM REQUIREMENTS. THIS CALCULATION IS USED AS ONE OF THE FACTORS IN DETERMINING THE NUMBER OF FIRE HYDRANTS REQUIRED ON THE SITE.

A NEEDED FIRE FLOW CALCULATION WORKSHEET IS AVAILABLE IN MS EXCEL FORMAT AT THE CITY OF CLERMONT WEB SITE: www.cityofclermontfl.com. CITY DEPARTMENTS, FIRE DEPARTMENT, INSPECTIONS/PREVENTION.

FINAL APPROVAL OF SITE PLANS

AFTER REVIEW OF THE SITE PLANS BY THE CITY OF CLERMONT SITE REVIEW COMMITTEE, THE SITE PLANS, AS APPROVED BY THE CITY, SHALL BE SUBMITTED TO LAKE COUNTY BUILDING DEPARTMENT FOR A FIRE AND LIFE SAFETY REVIEW CONDUCTED BY A LAKE COUNTY BUILDING DEPARTMENT PLANS EXAMINER. SITE PLANS WILL NOT RECEIVE FINAL APPROVAL UNTIL AFTER BEING REVIEWED AND APPROVED BY LAKE COUNTY BUILDING DEPARTMENT.

| DESIGN | NO. | REVISIONS | DATE |
|------------|-----|-----------|----------|
| XXX | | | |
| REVISED | | | |
| P. SCHIANO | | | |
| DATE | | | 06-27-06 |

**CITY OF CLERMONT
GENERAL NOTES**

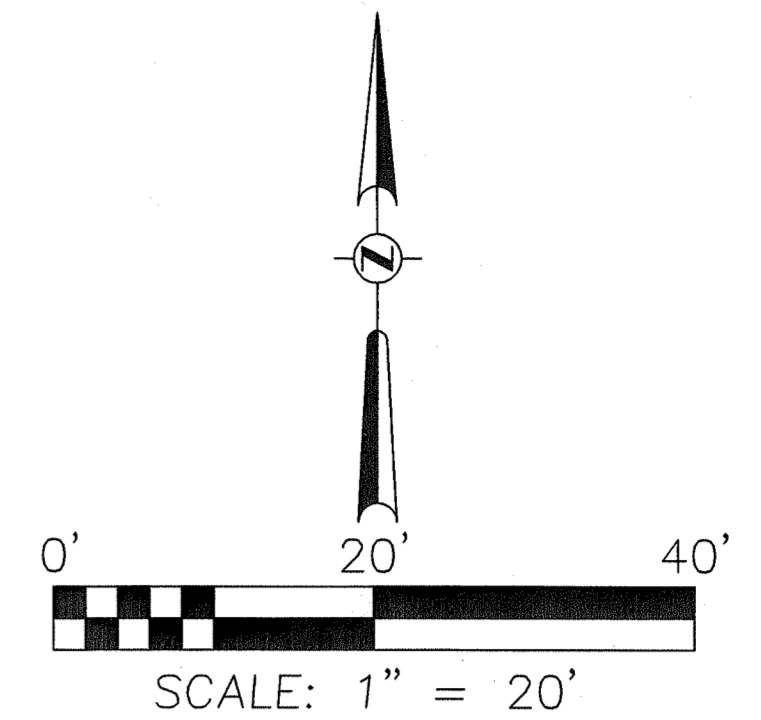
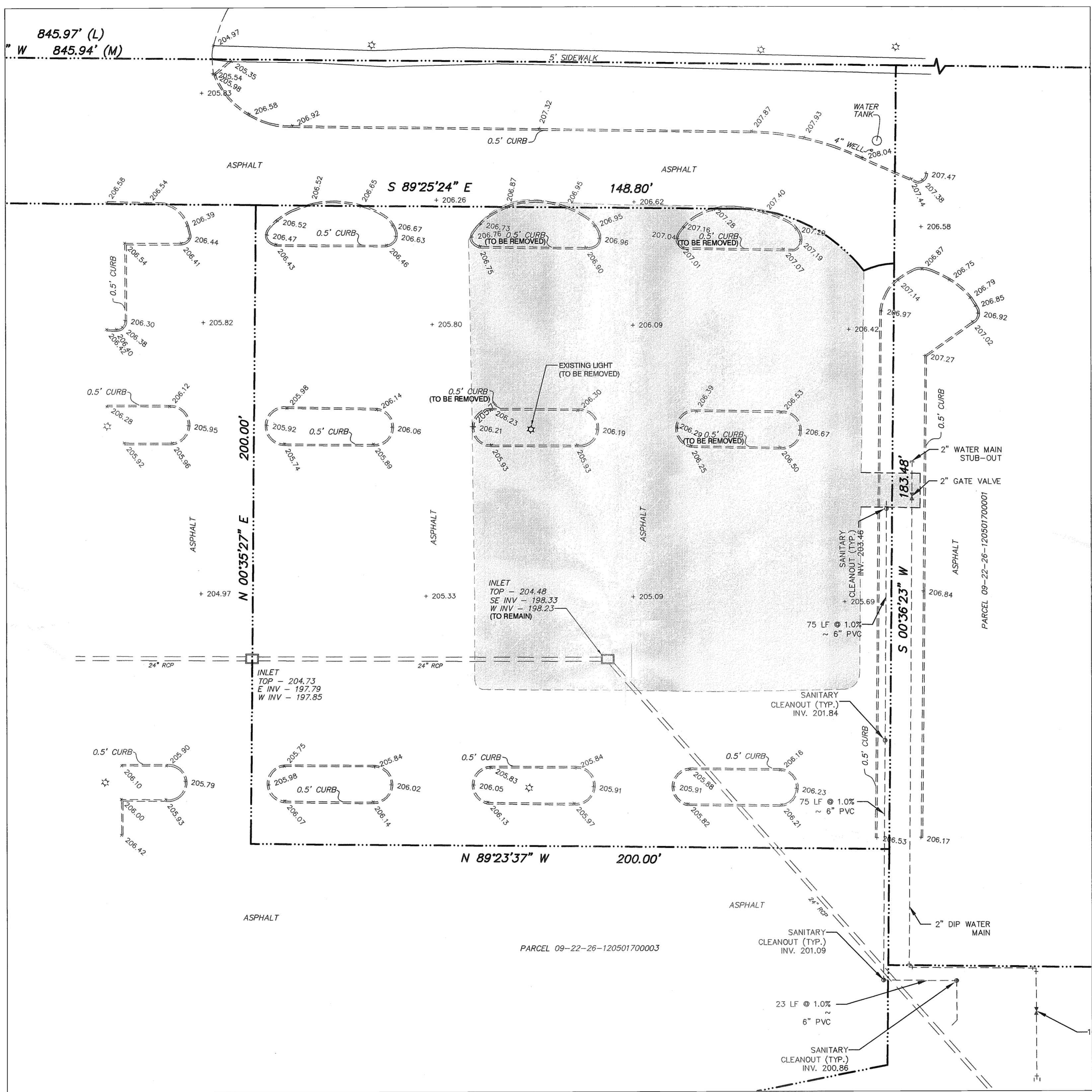
CITY OF CLERMONT
685 WEST MONTROSE STREET
P.O. BOX 120219
CLERMONT, FLORIDA 34711
PHONE: (352) 241-7336



GENERAL NOTES LAST REVISED
02-14-05

| | |
|--------------------|-----------------|
| SIGNATURE AND SEAL | DRAWING FILE |
| | DRAWING |
| | GN2 |
| | SHEET 2B |

RECEIVED



DEMOLITION LEGEND

▭ LIMITS OF DEMOLITION

DEMOLITION NOTES

1. CONTRACTOR TO DEMOLISH AND REMOVE ALL IMPROVEMENTS WITHIN LIMITS OF DEMOLITION SHOWN UNLESS OTHERWISE NOTED.

THE CONTRACTOR IS RESPONSIBLE FOR THE DISPOSAL OF ALL DEMOLITION DEBRIS.

THE CONTRACTOR IS RESPONSIBLE FOR SECURING ALL REQUIRED DEMOLITION AND REMOVAL PERMITS.
2. CONTRACTOR TO ESTABLISH AND PROPERLY FLAG PROPERTY LINES PRIOR TO DEMOLITION.
3. THE CONTRACTOR SHALL UTILIZE SUITABLE EROSION CONTROL DURING DEMOLITION, SEE CLEARING & EROSION CONTROL NOTES ON DETAIL SHEET.
4. UTILITIES TO BE PLUGGED SHALL BE FILLED WITH A MINIMUM 1.0 CUBIC FT. OF NON-SHRINK GROUT OR AS OTHERWISE APPROVED BY ENGINEER.
5. ALL TREES ON SITE SHALL BE REMOVED UNLESS OTHERWISE INDICATED ON THIS PLAN AND/OR THE LANDSCAPE PLAN.
6. THE CONTRACTOR SHALL COORDINATE THE REMOVAL/RELOCATION OF EXISTING UTILITIES WITH THE OWNER OF SAID UTILITY. THIS SHALL INCLUDE WATER, SEWER, GAS, CABLE TV, POWER AND TELEPHONE.
7. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO DEMOLITION AND WILL BE RESPONSIBLE FOR THE DAMAGE OF ANY ON-SITE OR OFF-SITE UTILITIES THAT ARE NOT A PART OF THIS PROJECT OR ARE NOT IDENTIFIED TO BE REMOVED.
8. THE CONTRACTOR SHALL BARRICADE THE SITE AND CONTROL TRAFFIC PER CURRENT FDOT TRAFFIC CONTROL STANDARDS.
9. ANY EXISTING WELLS THAT MAY EXIST ON SITE WILL BE ABANDONED AND SUBJECT TO REMOVAL. NEW MONITOR WELLS WILL BE INSTALLED IF REQUIRED BY GEOTECHNICAL ENGINEER.
10. CONTRACTOR TO LOCATE AND REMOVE EXISTING SEPTIC TANKS AND DRAINFIELDS PER LOCAL HRS REGULATIONS.

| | | | |
|-----|---------|------------------------------|----|
| NO. | DATE | DESCRIPTION | BY |
| 1 | 12/1/06 | PER CITY OF CLERMONT COMMENT | IR |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |

SCALE: 1" = 20'
 DRAWN BY: JC
 PROJ. MANAGER: SCG
 PROJ. #.: 2078-016
 DATE: NOV, 2006

ISSUED FOR: PRELIMINARY PERMITTING FINAL CONSTRUCTION RECORD DWG

BURKE, HOGUE & MILLS ASSOCIATES, INC.

CIVIL ENGINEERING 4801 VINELAND ROAD, STE. 190
 AND PLANNING ORLANDO, FLORIDA 32811
 TRAFFIC/TRANSPORTATION LANDSCAPE ARCHITECTURE ENVIRONMENTAL SCIENCES SURVEYING GIS

PHONE (407) 248-0505
 FAX (407) 248-0334
 AVID@BURKEHMG.COM

STARBUCKS - S.R. 50

CITY OF CLERMONT, FLORIDA

DEMOLITION PLAN

84016-8

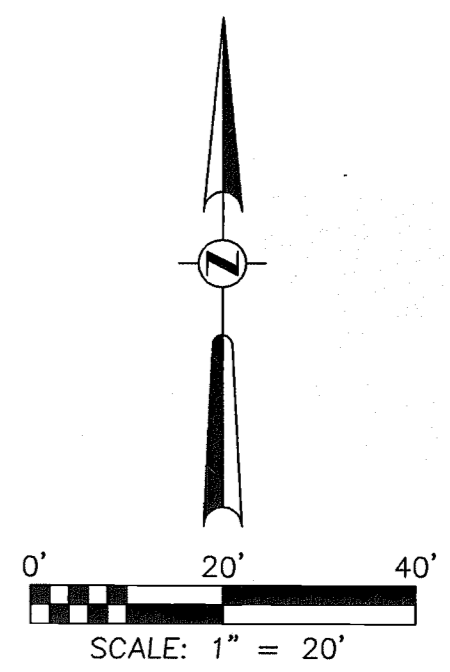
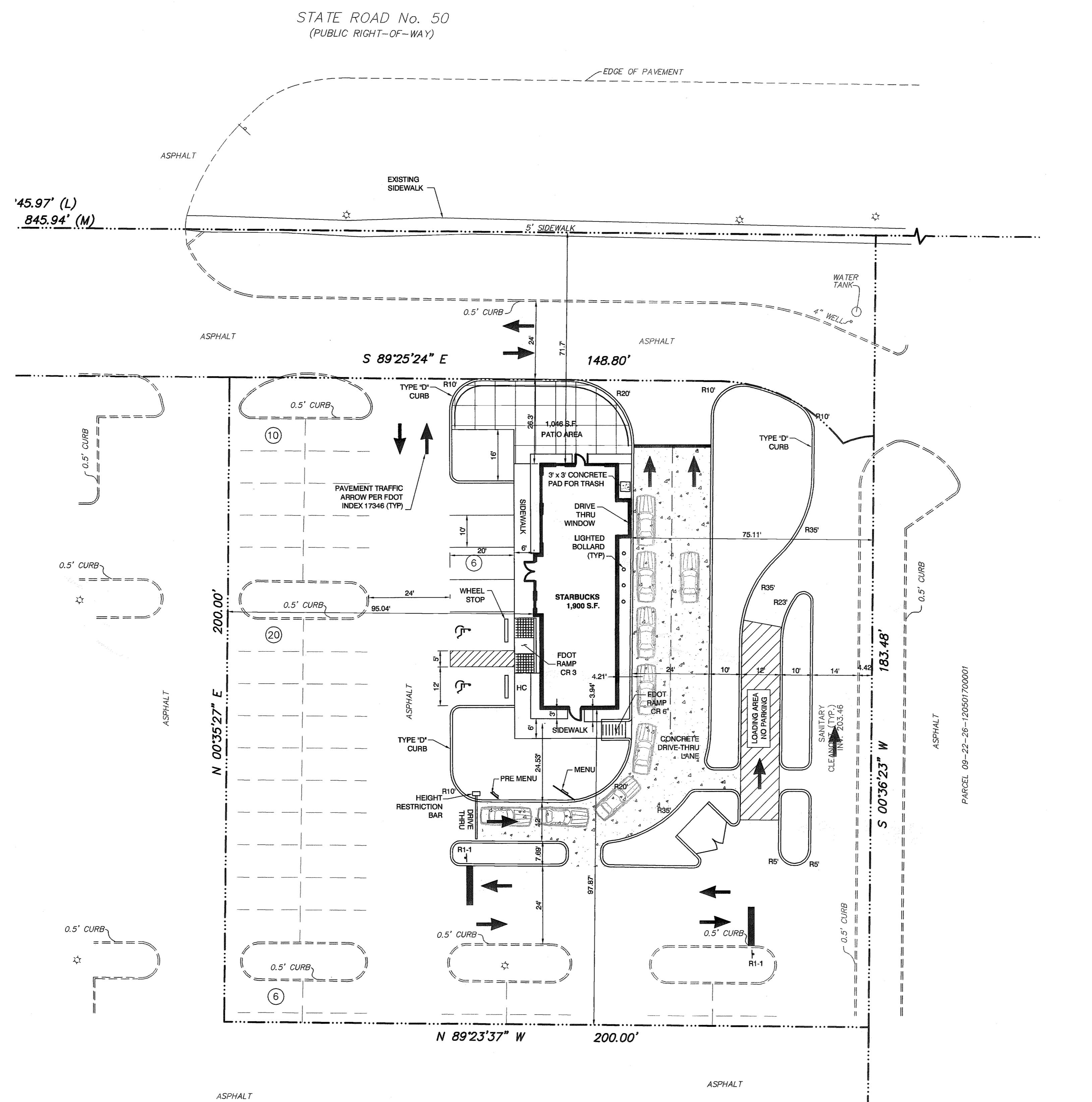
RECEIVED

DEC 21 2006

PDS

ALTAMONTE SVC. CTR.

3



- SITE LEGEND**
- HANDICAP PARKING
 - PROPOSED DRAINAGE INLET
 - PROPOSED CURB
 - SITE BOUNDARY LINE
 - CENTER LINE OF ROAD
 - RIGHT-OF-WAY
 - EXISTING EDGE OF PAVEMENT
 - PROPOSED CONCRETE PAVEMENT
 - TYP TYPICAL
 - HC HANDICAP
 - 10 10 PARKING SPACES
 - S/W SIDEWALK
 - R5' 5' RADIUS
 - LF LINEAR FEET
 - SF SQUARE FEET

- SIGN LEGEND**
- | NO | TEXT OR SYMBOL | SIZE |
|------|--------------------------|-----------|
| R1-1 | STOP | 30" x 30" |
| R3-1 | NO RIGHT TURN | 24" x 24" |
| R3-7 | LEFT LANE MUST TURN LEFT | 30" x 30" |
| R5-1 | DO NOT ENTER | 30" x 30" |
| R6-1 | ONE WAY | 36" x 12" |

ALL SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

STRIPING NOTES 84016-8

TYPICAL PARKING SPACE SHALL BE STRIPED WITH A 4" WHITE STRIPE.

SEE DETAILS FOR HANDICAP PARKING.

LOADING ZONE SHALL BE MARKED WITH 12" WHITE STRIPES AT 5' CENTERS ON A 45° ANGLE.

NOTE:
A PRE-CONSTRUCTION MEETING WITH THE CITY OF CLERMONT IS REQUIRED

| | | | |
|-----|---------|------------------------------|----|
| NO. | DATE | DESCRIPTION | BY |
| 1 | 12/1/06 | PER CITY OF CLERMONT COMMENT | JG |

| | |
|----------------|-----------|
| SCALE: | 1" = 20' |
| DRAWN BY: | SCG |
| PROJ. MANAGER: | SCG |
| PROJ. #: | 2078-016 |
| DATE: | NOV. 2006 |

THESE PLANS MAY NOT BE COPIED AND/OR REPRODUCED WITHOUT THE WRITTEN PERMISSION FROM AVID GROUP, © COPYRIGHT 2006

DATE: DECEMBER 20, 2006

REGISTERED PROFESSIONAL ENGINEER
STATE OF FLORIDA
NO. 12455
AVID GROUP, INC.

BURKE, HOGUE & MILLS ASSOCIATES, INC.

CIVIL ENGINEERING
LAND PLANNING
TRAFFIC/TRANSPORTATION
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL SCIENCES
SURVEYING
GIS

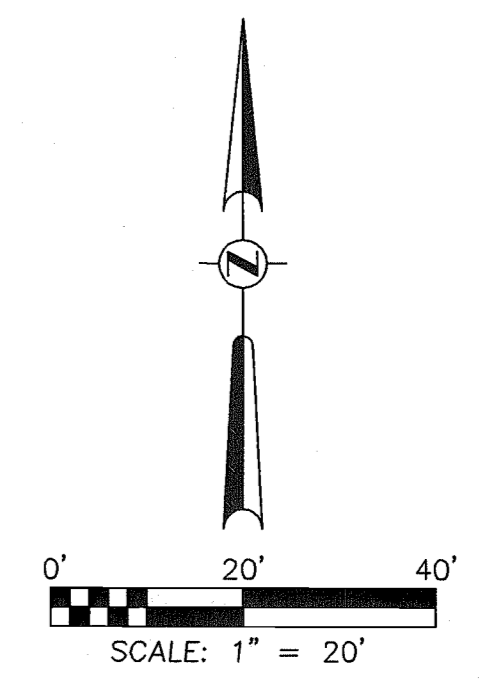
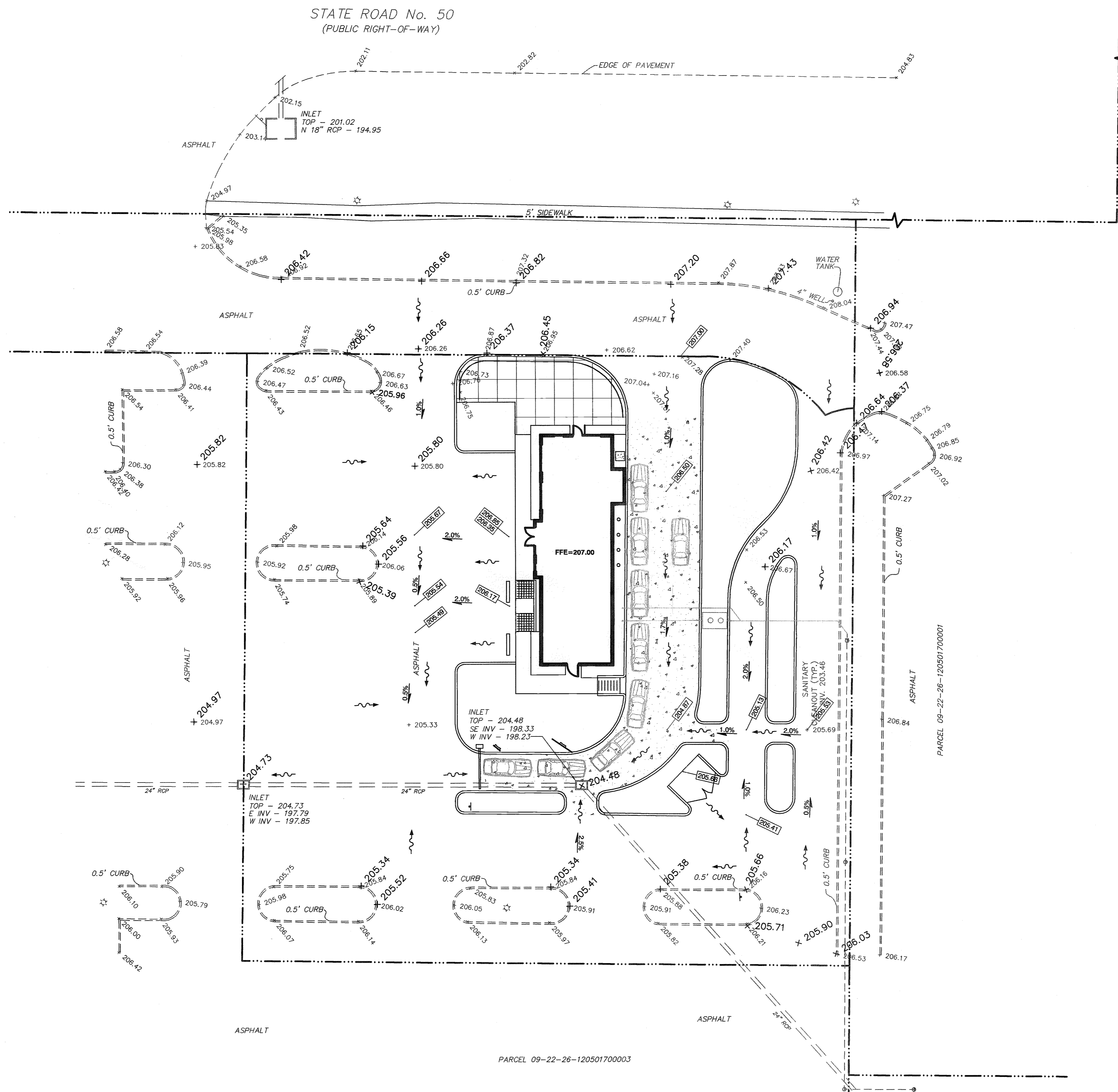
4901 WINDLAND ROAD, STE 100
ORLANDO, FLORIDA 32811
PHONE (407) 248-0505
FAX (407) 248-0504
WWW.AVIDGROUP.COM

STARBUCKS - S.R. 50

CITY OF CLERMONT, FLORIDA

HORIZONTAL CONTROL PLAN

RECEIVED
DEC 21 2006
PDS



GRADING LEGEND

- EL ELEVATION
- TYP TYPICAL
- CO CLEANOUT
- IE INVERT ELEVATION
- HC HANDICAP
- x49.58 EXISTING ELEVATION
- 12.52 PROPOSED SPOT ELEVATION
- [Symbol] DRAINAGE INLET
- [Symbol] MITERED END SECTION
- [Symbol] PROPOSED SWALE STORMWATER FLOW
- [Symbol] EXISTING SWALE STORMWATER FLOW
- [Symbol] SURFACE STORMWATER FLOW
- [Symbol] DIRECTION OF STORM WATER FLOW
- SD STORM DRAIN
- HCAP HELICALLY CORRUGATED ALUMINUM PIPE
- ERCP ELLIPTICAL REINFORCED CONCRETE PIPE
- FFE FINISH FLOOR ELEVATION
- S/W SIDEWALK
- (S-50) STORM SEWER STRUCTURE NUMBER
- [Symbol] EROSION CONTROL
- [Symbol] CONCRETE PAVEMENT
- [Symbol] ASPHALT PAVEMENT

| | | | |
|--------------------|------------------------------|----------------|------------|
| SCALE: 1" = 20' | PERMITTING | CONSTRUCTION | RECORD DWG |
| DRAWN BY: SCG | NO. 121706 | DATE NOV. 2006 | BY JF |
| PROJ. MANAGER: SCG | DESCRIPTION | | |
| PROJ. #: 2078-016 | PER CITY OF CLERMONT COMMENT | | |

THESE PLANS MAY BE REPRODUCED AND/OR MODIFIED WITHOUT WRITTEN PERMISSION FROM AVID GROUP, © COPYRIGHT 2006.

DECEMBER 20, 2006

PETER INSANA, P.E. #65424
 NOT VALID UNLESS SIGNED & EMBOSSSED BY A REGISTERED PROFESSIONAL ENGINEER
 CERTIFICATE OF AUTHORIZATION No. 6189

ISSUED FOR: PRELIMINARY PERMITTING FINAL CONSTRUCTION RECORD DWG

BURKE, HOGUE & MILLS ASSOCIATES, INC.

CIVIL ENGINEERING 4901 VINELAND ROAD, STE. B90
 LAND PLANNING ORLANDO, FLORIDA 32811
 TRAFFIC/TRANSPORTATION
 LANDSCAPE ARCHITECTURE PHONE (407) 246-0505
 ENVIRONMENTAL SCIENCE FAX (407) 246-0334
 SURVEYING GIS AVID@BHMPCOM

STARBUCKS - S.R. 50

CITY OF CLERMONT, FLORIDA

PAVING, GRADING & DRAINAGE PLAN

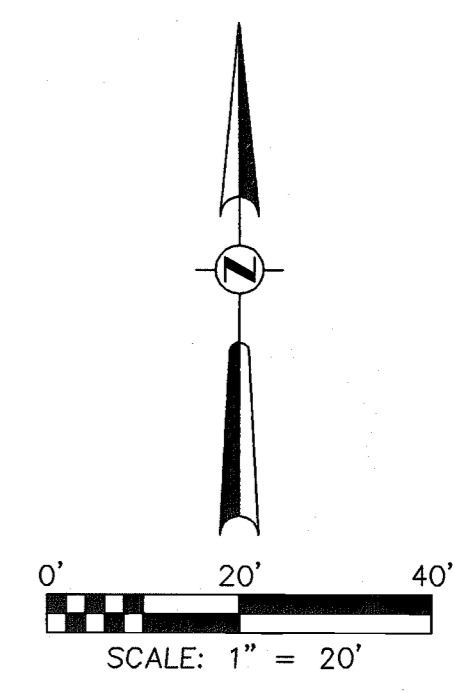
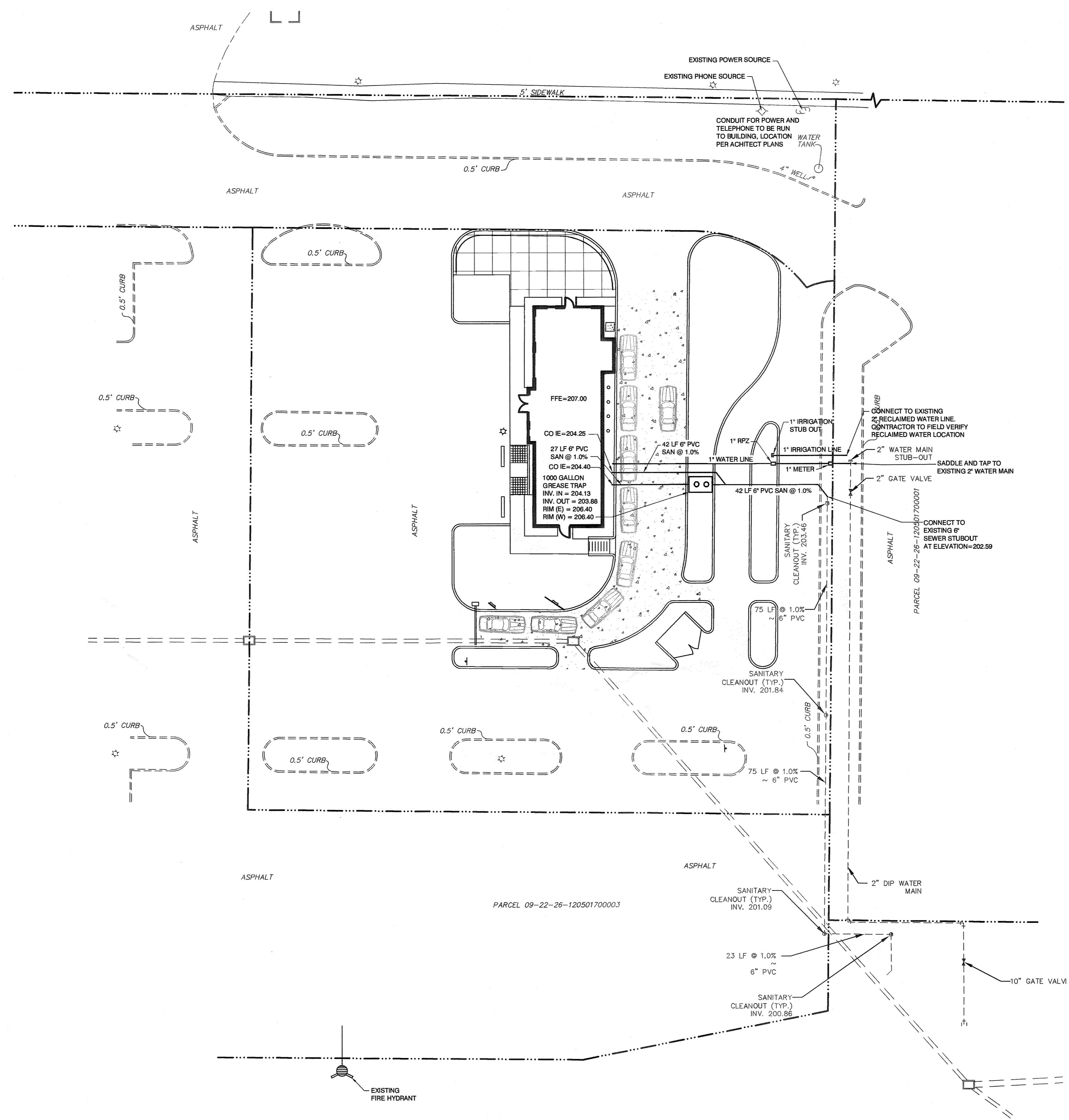
84018-8

RECEIVED

DEC 21 2006

PDS
 ALTAMONTE BVG. OTR.

2078016.DWG
 (S) 2078016.PCD
 Please Refer to Plan 103-008
 REF:UTL



GREASE TRAP CALCULATION
 (SOURCE: DEPARTMENT OF HEALTH, CHAPTER 64E-6)
 $SF \text{ RESTAURANT} = (S)(G_s)(H_r) / 12(LF)$
 S=NUMBER OF SEATS
 G_s=GALLONS OF WW/SEAT
 H_r=NUMBER OF HOURS ESTABLISHMENT IS OPEN
 LF=LOADING FACTOR
 2000 SF RESTAURANT=
 (32 SEATS)(10 GAL/SEAT)(16HR/12)(1.5)=1,000 GALLONS

FIRE FLOW CALCULATION
 (SOURCE: ISO & STANDARD 6006)
 $NFFI = (C_i)(O_i)(1+(X+P)^i)$
 $C_i = 18(F)(A)^{0.5}$
 NFFI=NEEDED FIRE FLOW (GAL/MIN.)
 C_i=TYPE OF CONSTRUCTION FACTOR
 F=CONSTRUCTION TYPE
 A=EFFECTIVE AREA
 O_i=TYPE OF OCCUPANCE FACTOR
 X=EXPOSURE BUILDING FACTOR
 P=COMMUNICATION BETWEEN BUILDING FACTOR
 $C_i = 18(F)(A)^{0.5}$
 $C_i = 18(1)(1,816)^{0.5}$
 $C_i = 750$
 $NFFI = (C_i)(O_i)(1+(X+P)^i)$
 $NFFI = (750)(0.85)(1+0)$
 $NFFI = 637.5 \text{ GPM}$
 FIRE HYDRANT CREDIT: 0-300 FT = 1,000 GPM
 BASED ON THE CALCULATIONS ABOVE THERE IS NO NEED FOR
 A PROPOSED FIRE HYDRANT ON THE PROJECT
 * MAXIMUM DISTANCE FROM EXISTING FIRE HYDRANT TO THE FARTHEST
 POINT ON THE BUILDING = 260 FEET

- UTILITY LEGEND**
- +— EXISTING SIGNAGE
 - EXISTING UTILITY POLE
 - EXISTING GUY W/ WIRE
 - |— EXISTING WATER MAIN
 - |— EXISTING SANITARY MAIN
 - |— EXISTING OVER HEAD WIRES
 - EXISTING CHECK VALVE
 - ⊗ EXISTING GATE VALVE
 - ◇ EXISTING FIRE HYDRANT
 - ▽ EXISTING REDUCER
 - EXISTING BLOWOFF
 - ◻ EXISTING WATER METER
 - EXISTING SANITARY MANHOLE
 - EXISTING SANITARY CLEANOUT
 - SS SANITARY SEWER
 - PROPOSED CLEANOUT - CO
 - (S-11) PROPOSED STRUCTURE NUMBER
 - ⊗ PROPOSED GATE VALVE
 - ◆ PROPOSED FIRE HYDRANT
 - ▽ PROPOSED REDUCER
 - PROPOSED BLOWOFF
 - PROPOSED WATER METER 84016-8
 - ◻ PROPOSED BACKFLOW PREVENTER
 - WL WATER LINE

NOTE:
 A MINIMUM OF 5 FT SEPARATION IS
 REQUIRED BETWEEN UTILITIES AND
 TREES WITH INVASIVE ROOT SYSTEMS

| | | | |
|---|---|---|---|
| THESE PLANS MAY NOT BE COPIED AND OR FROM AFD GROUP. © COPYRIGHT 2006 DECEMBER 20, 2006 PETER INSANA, P.E. #6524 NOT VALID UNLESS SIGNED & EMBOSSSED BY A REGISTERED PROFESSIONAL CERTIFICATE OF AUTHORIZATION No. 6189 | SCALE: 1" = 20' DRAWN BY: SCG PROJ. MANAGER: SCG PROJ. #: 2078-016 DATE: NOV. 2006 | NO. 1 DATE 12/1/06 PER CITY OF CLEMONT COMMENT DESCRIPTION BY | <input type="checkbox"/> PERMITTING <input type="checkbox"/> PRELIMINARY <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> RECORD DWG |
| | BURKE, HOGUE & MILLS ASSOCIATES, INC. CIVIL ENGINEERING 4801 VINELAND ROAD, STE 190 LAND PLANNING ORLANDO, FLORIDA 32811 TRAFFIC/TRANSPORTATION LANDSCAPE ARCHITECTURE PHONE (407) 248-0805 ENVIRONMENTAL SERVICES FAX (407) 248-0334 SURVEYING GIS AFDGROUP.COM | | |
| STARBUCKS - S.R. 50 CITY OF CLEMONT, FLORIDA | | UTILITY PLAN | |
| SHEET NO. 6 | | RECEIVED DEC 21 2006 PDS ALTAMONTE SVC. CTR. | |

DEMOLITION NOTES

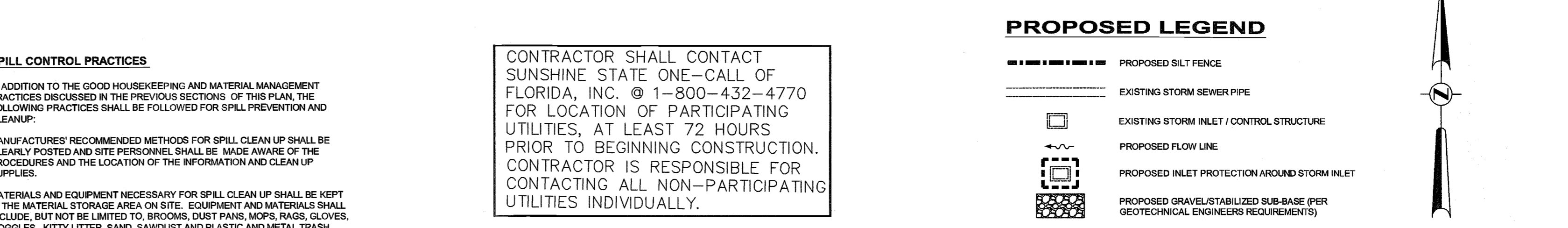
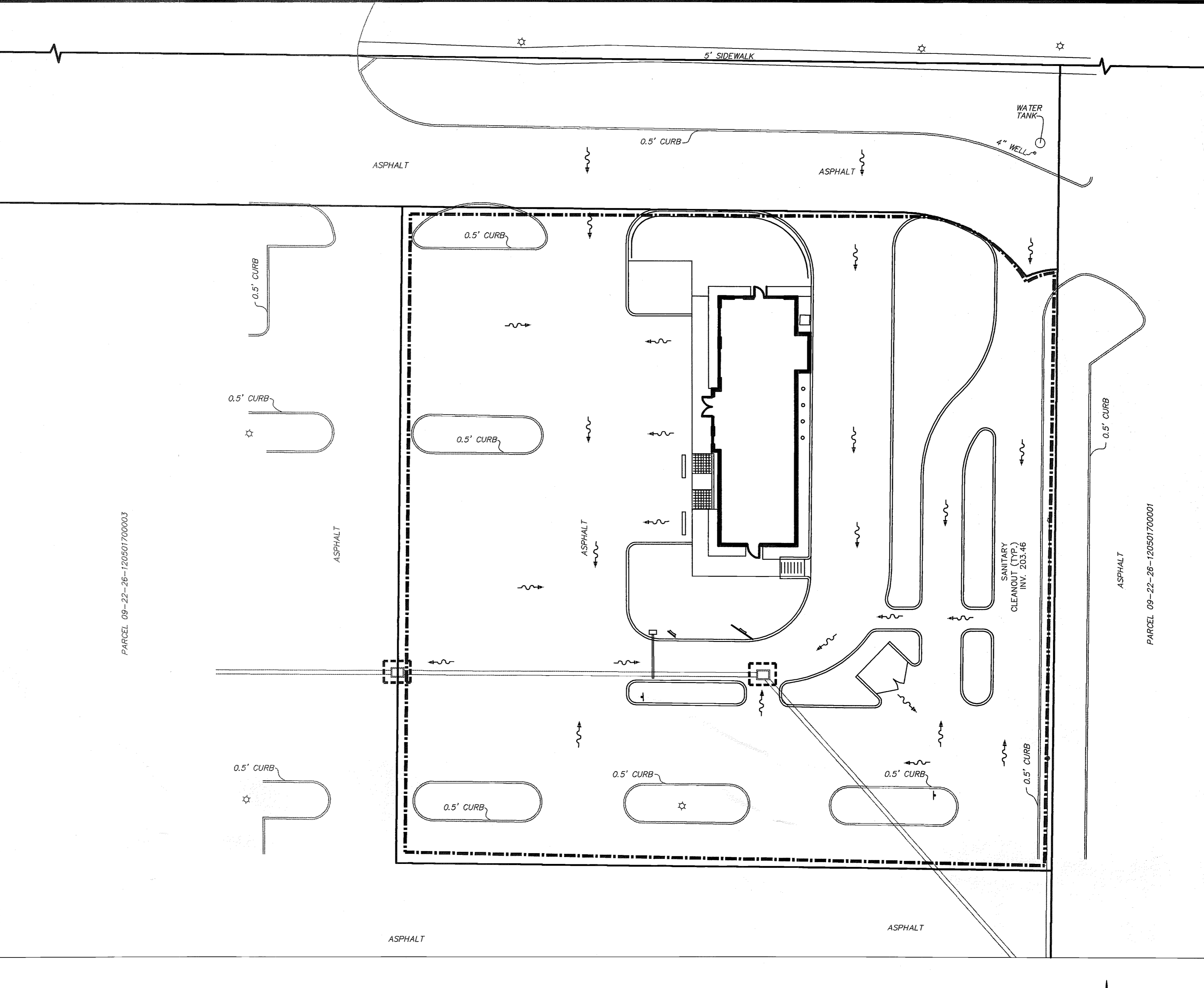
1. THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, AND THE OTHER FEATURES ARE SHOWN ON THE PLANS ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. THE ENGINEER DOES NOT ASSUME ANY RESPONSIBILITY FOR THEIR ACCURACY...

EROSION CONTROL NOTES

THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH THE RULES OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, CHAPTER 17-25 FAC AND THE SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT, CHAPTER 40CA-1 AND 40C-40.

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.



CONTRACTOR SHALL CONTACT FLORIDA STATE ONE-CALL OF FLORIDA, INC. @ 1-800-432-4770 FOR LOCATION OF PARTICIPATING UTILITIES, AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION...

CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. @ 1-800-432-4770 FOR LOCATION OF PARTICIPATING UTILITIES, AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION...

CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. @ 1-800-432-4770 FOR LOCATION OF PARTICIPATING UTILITIES, AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION...

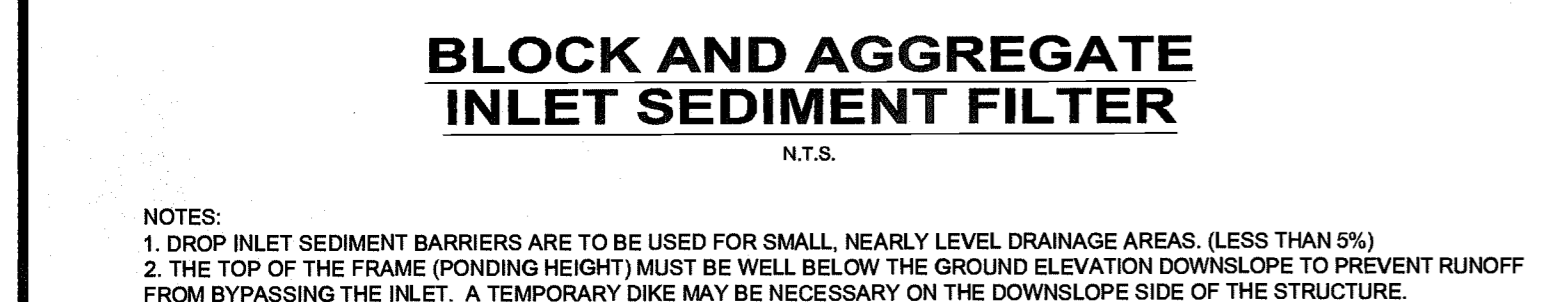
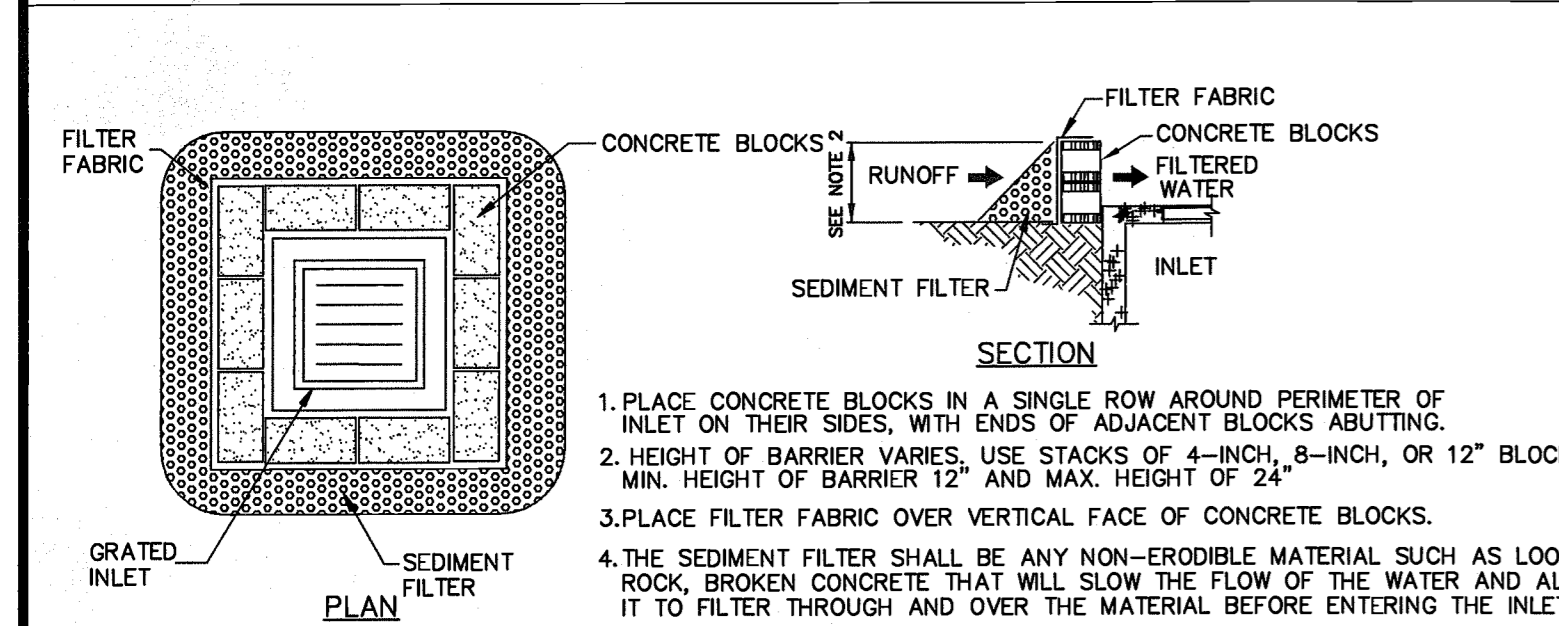
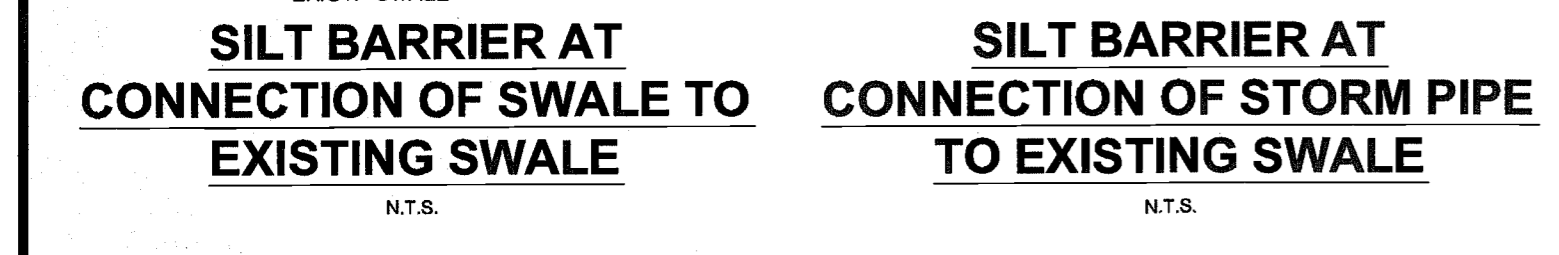
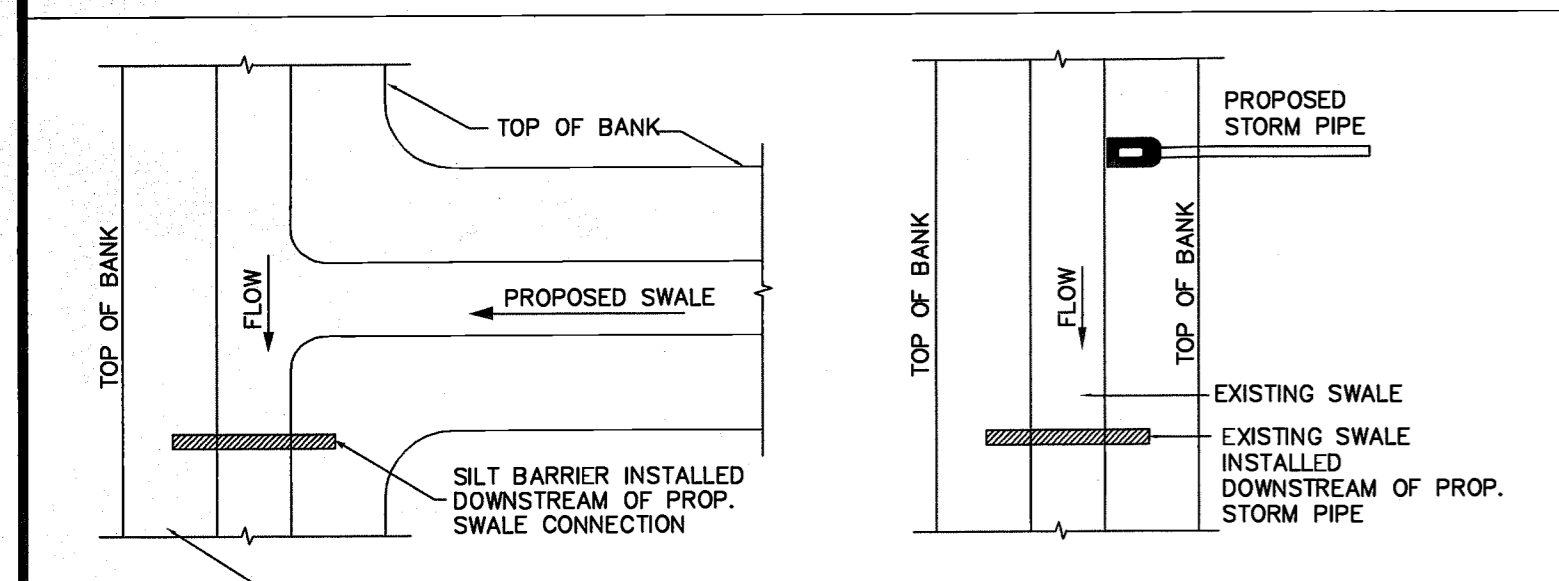
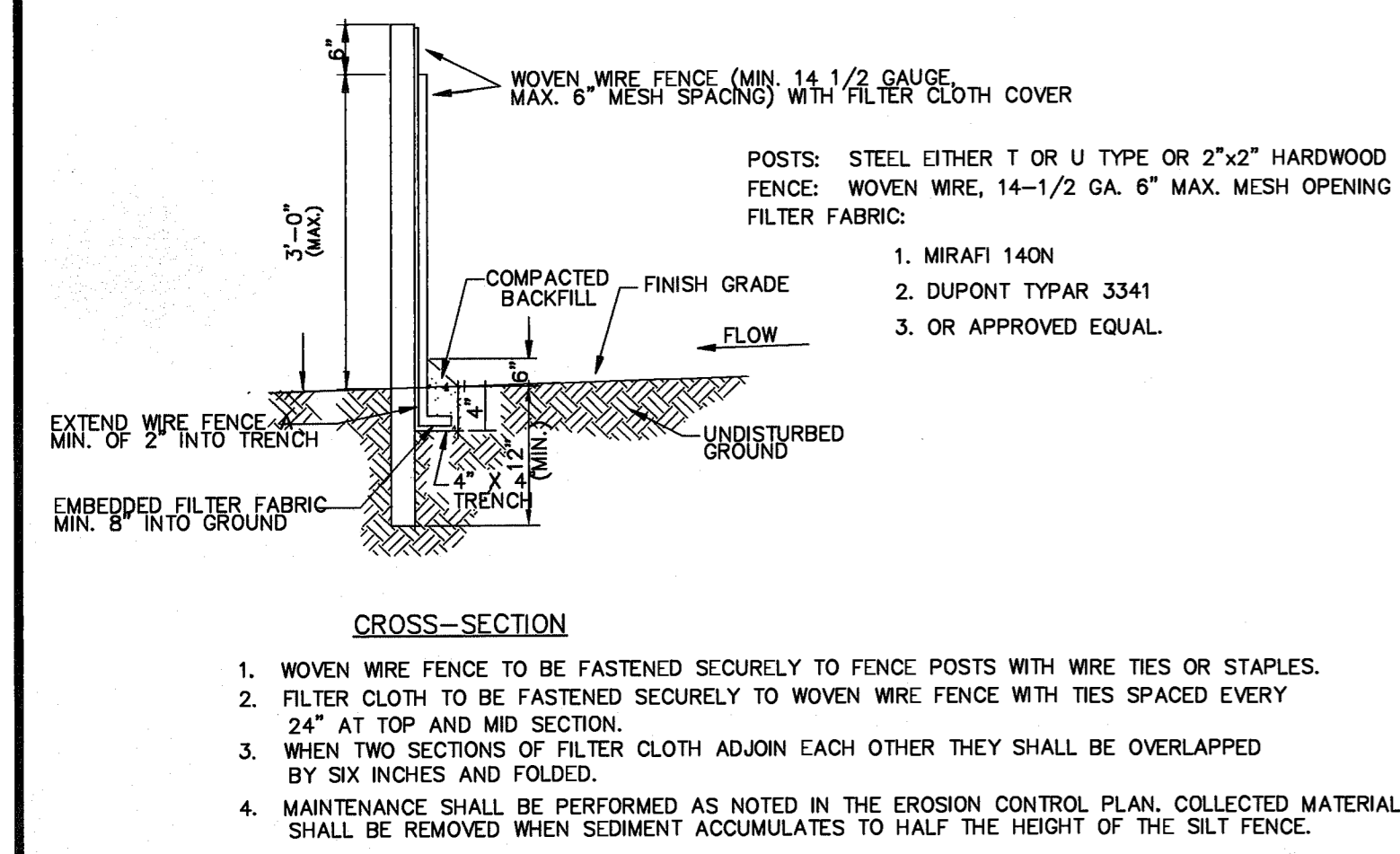
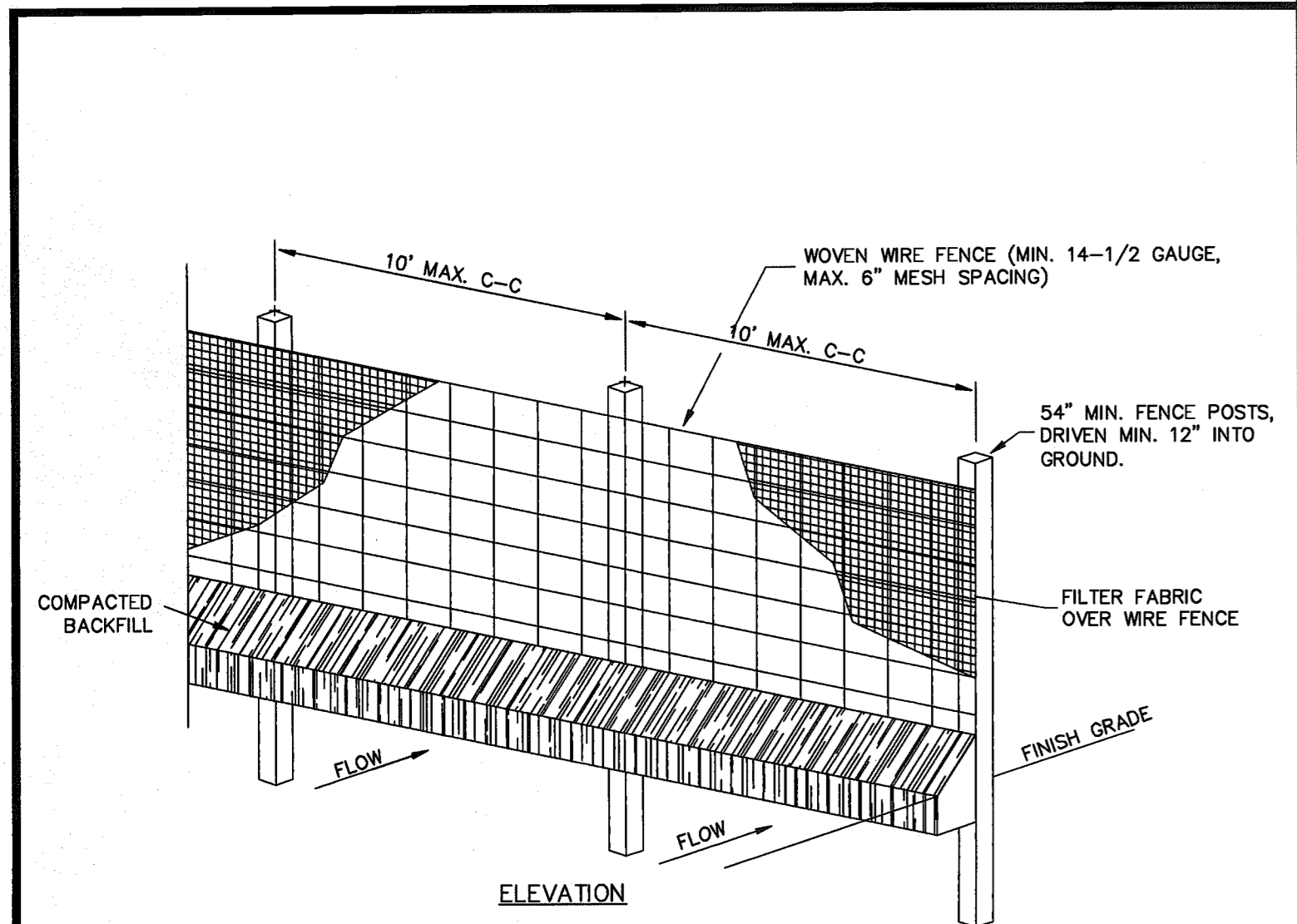
CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. @ 1-800-432-4770 FOR LOCATION OF PARTICIPATING UTILITIES, AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION...

CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. @ 1-800-432-4770 FOR LOCATION OF PARTICIPATING UTILITIES, AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION...

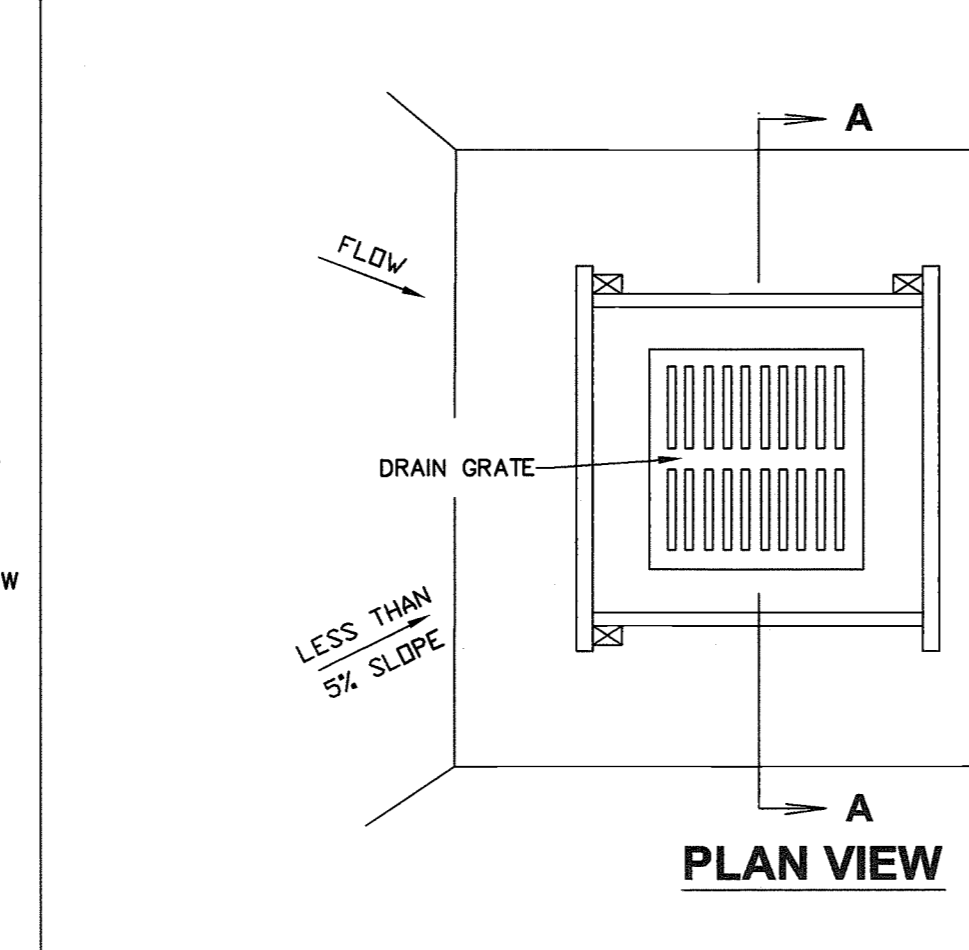
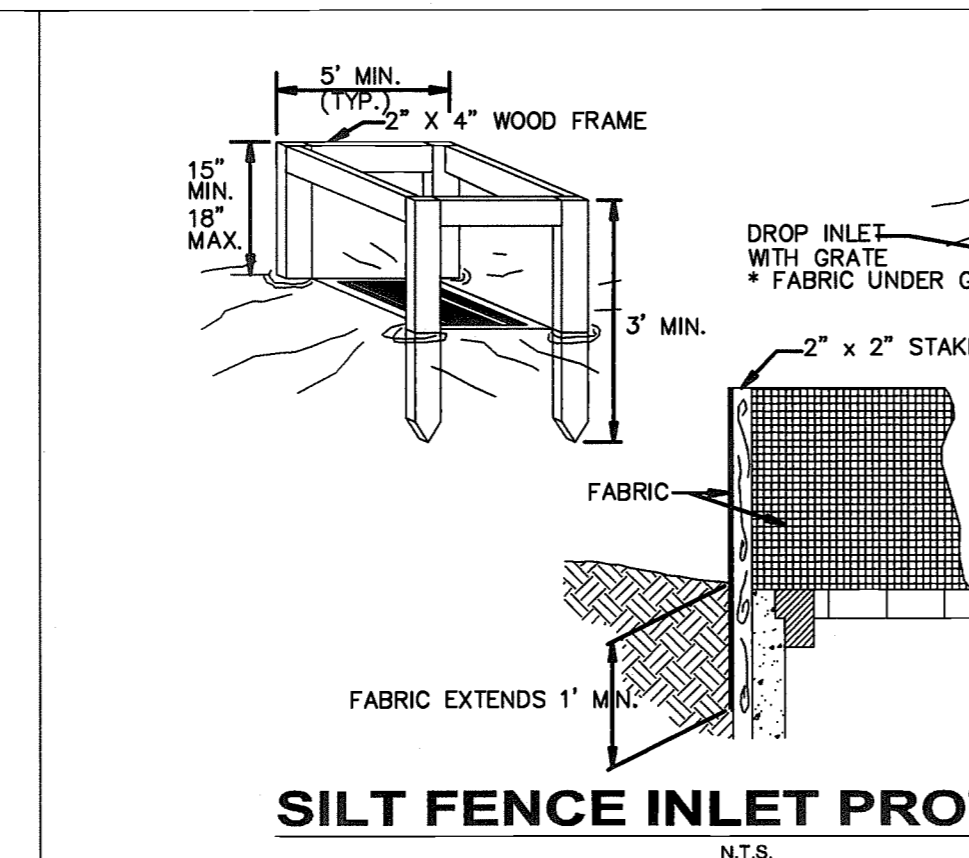
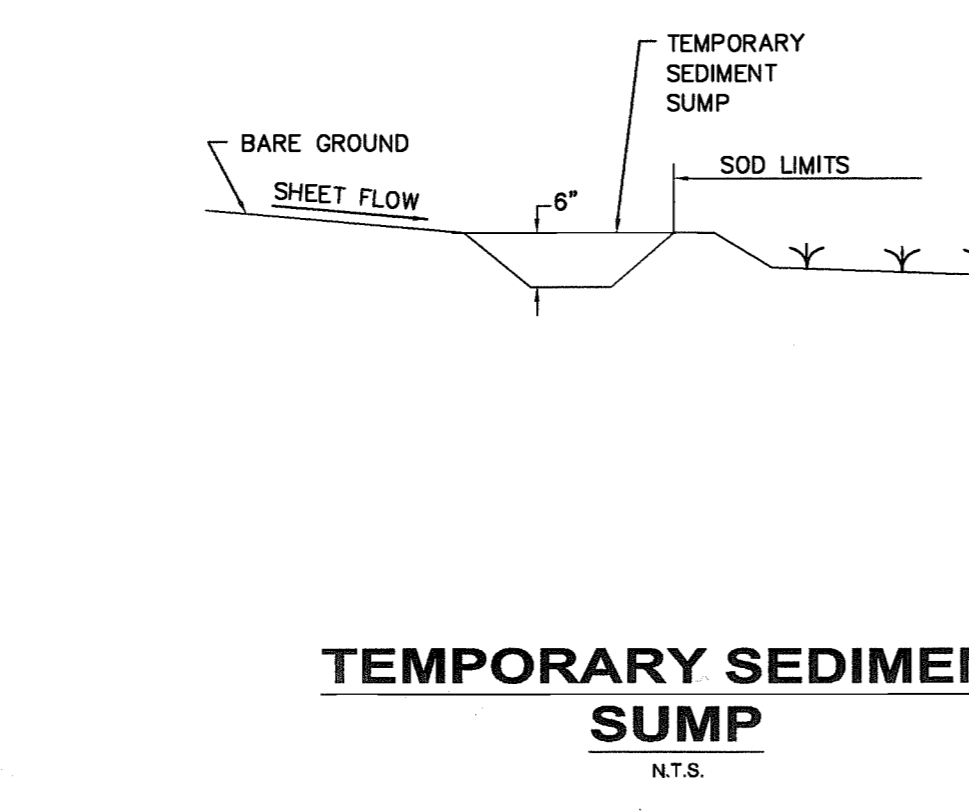
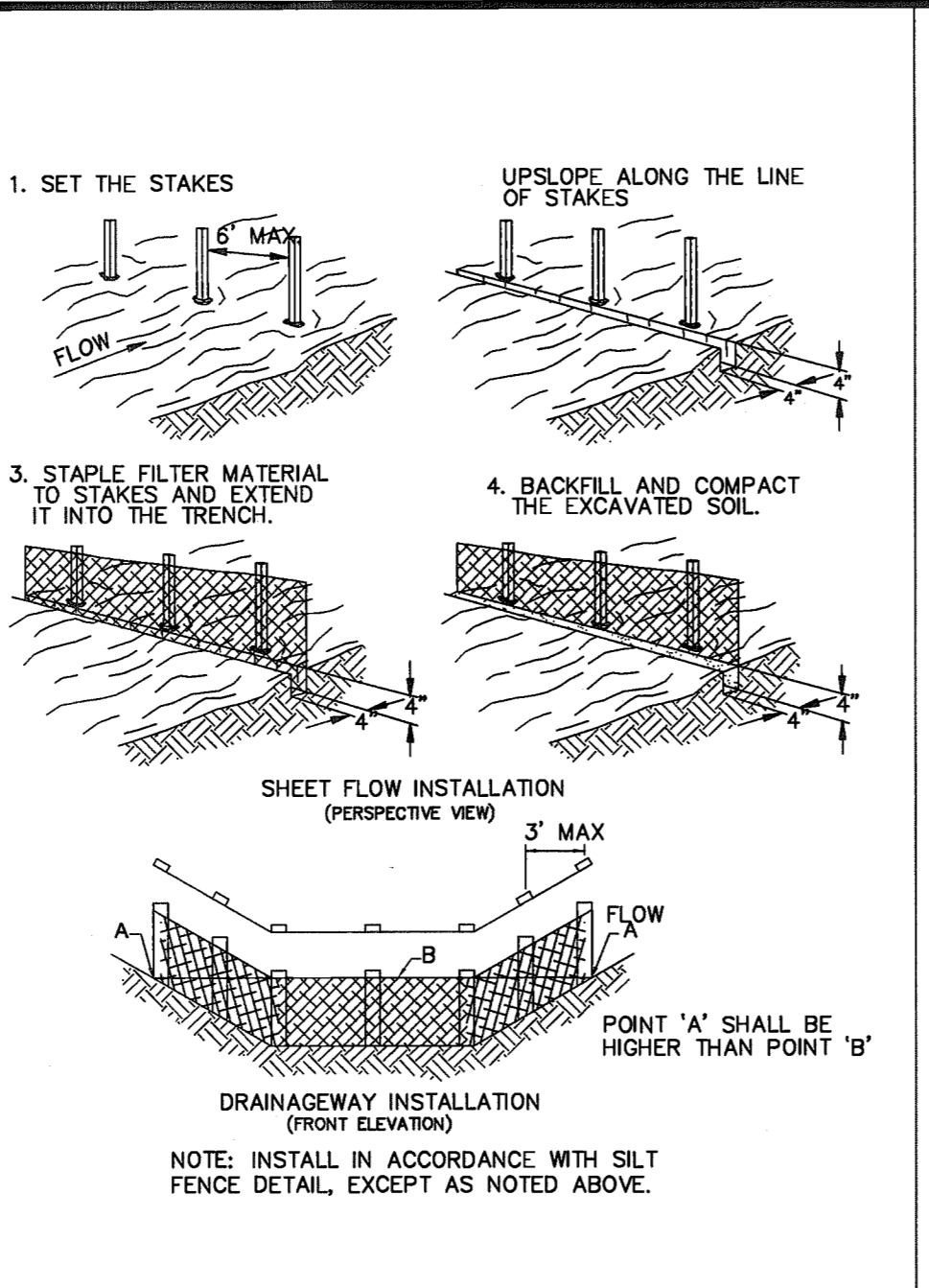
Table with columns: NO., DATE, PER CITY OF CLERMONT COMMENT, NO., DATE, PER CITY OF CLERMONT COMMENT, NO., DATE, PER CITY OF CLERMONT COMMENT. Includes project information for BURKE, HOGUE & MILLS ASSOCIATES, INC.

STARBUCKS - S.R. 50 CITY OF CLERMONT, FLORIDA STORMWATER POLLUTION PREVENTION PLAN

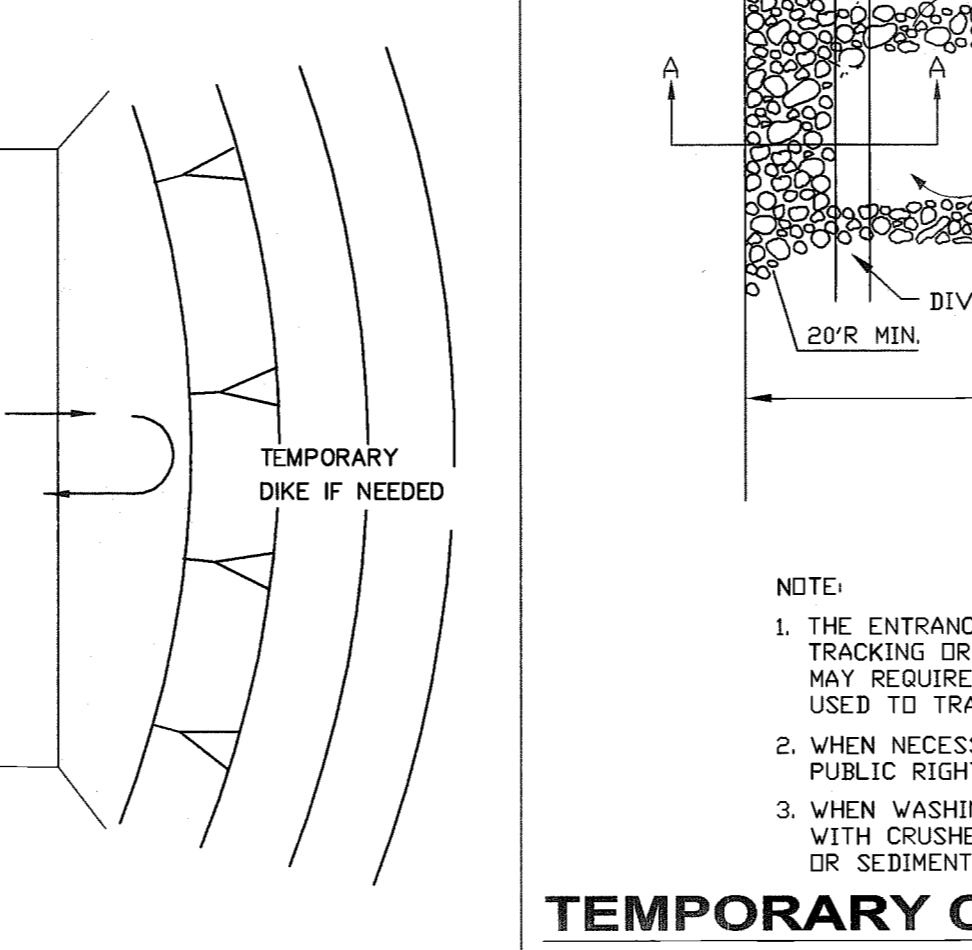
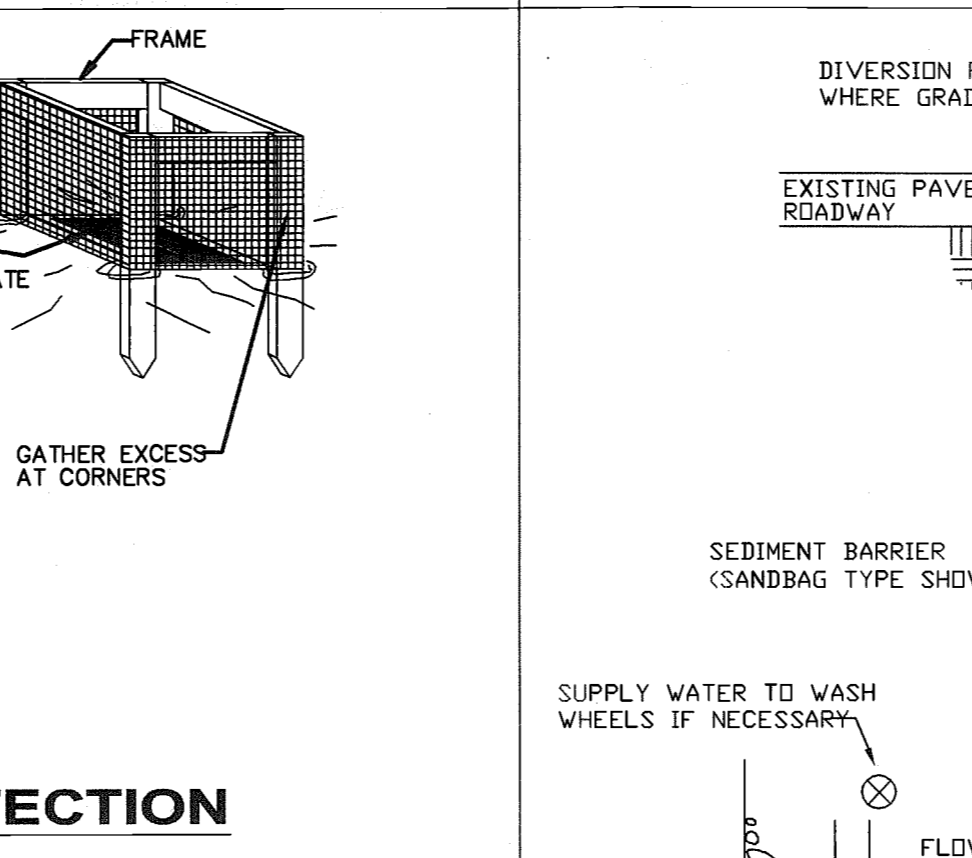
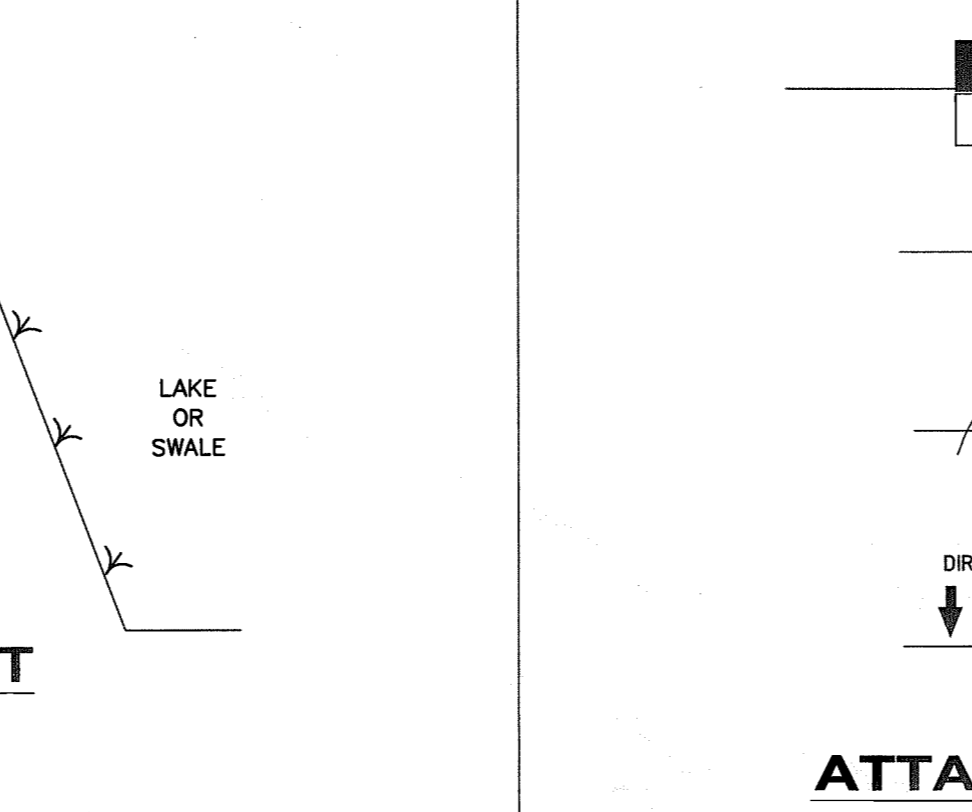
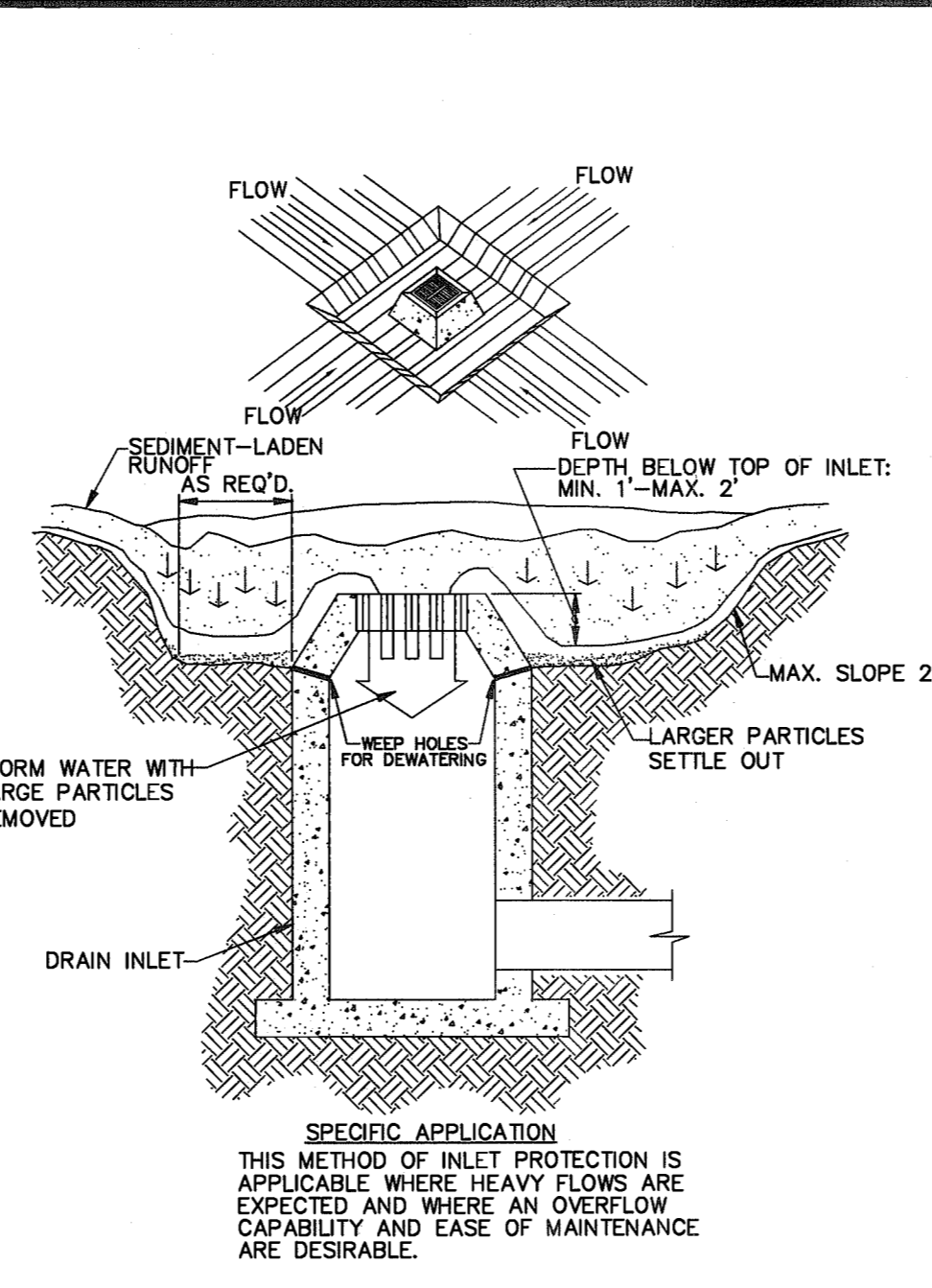
SVY 12/10/06
2006/06/06



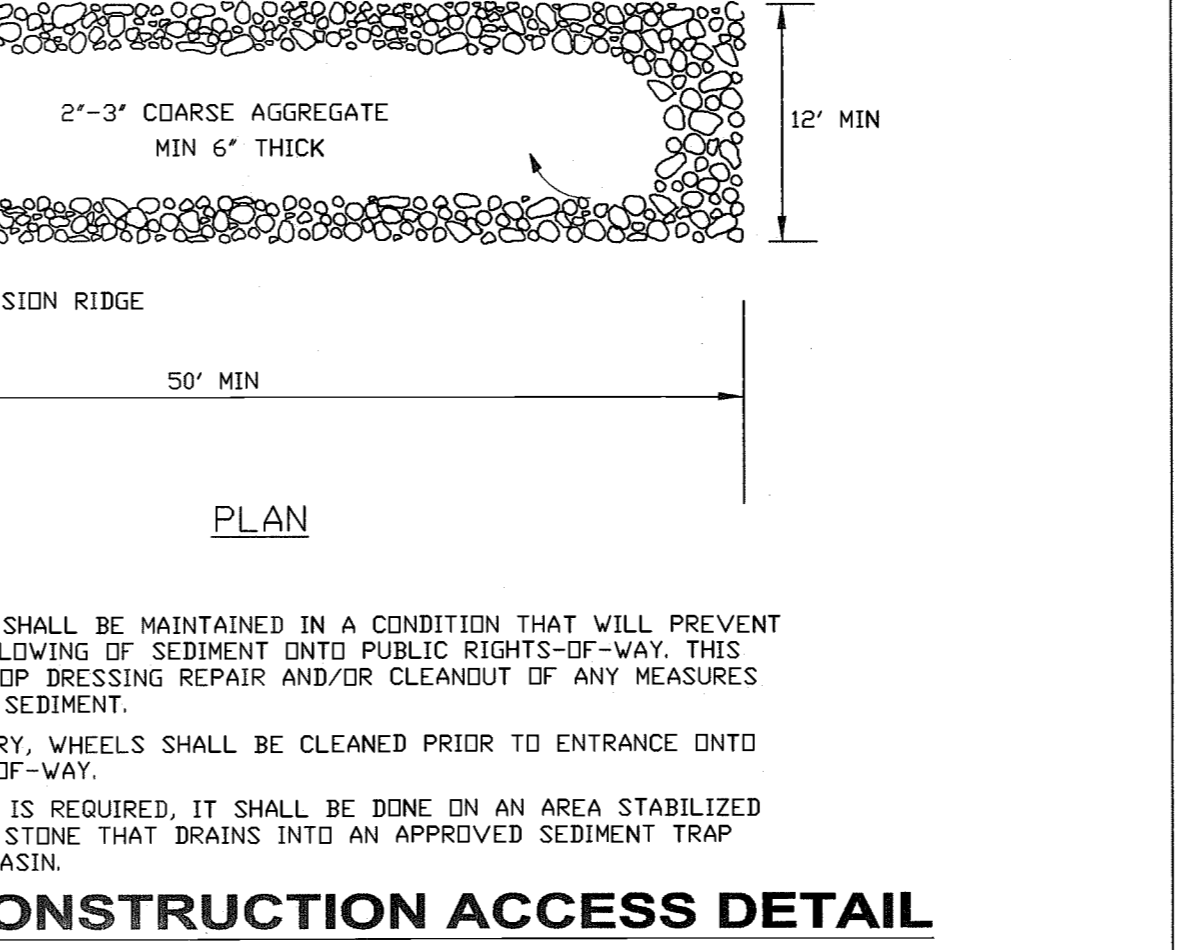
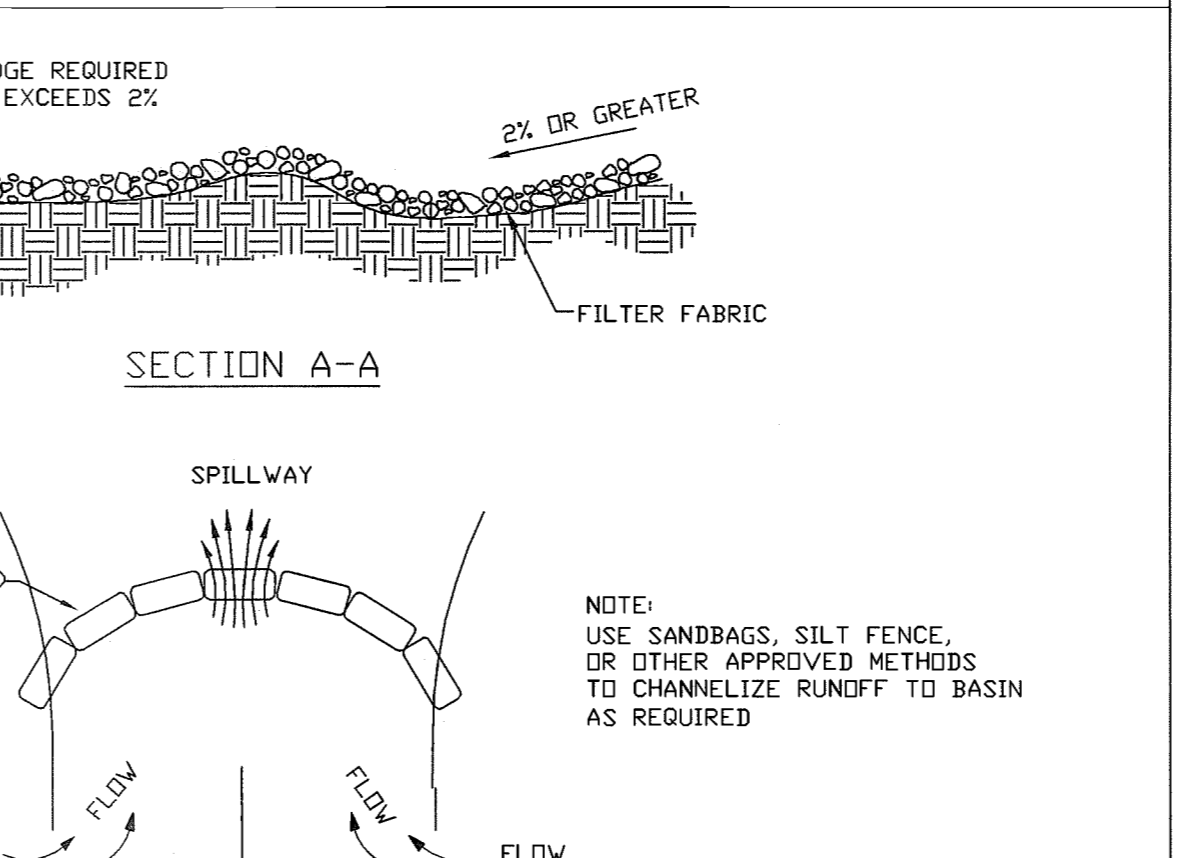
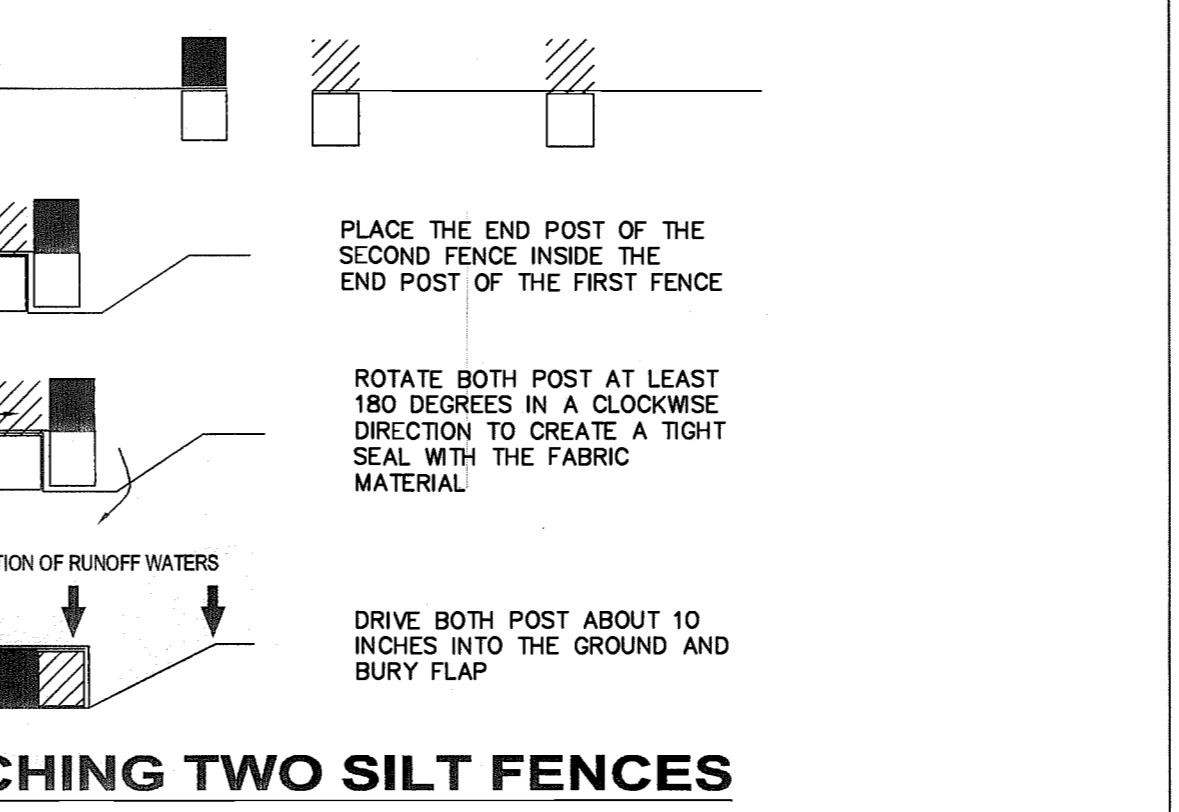
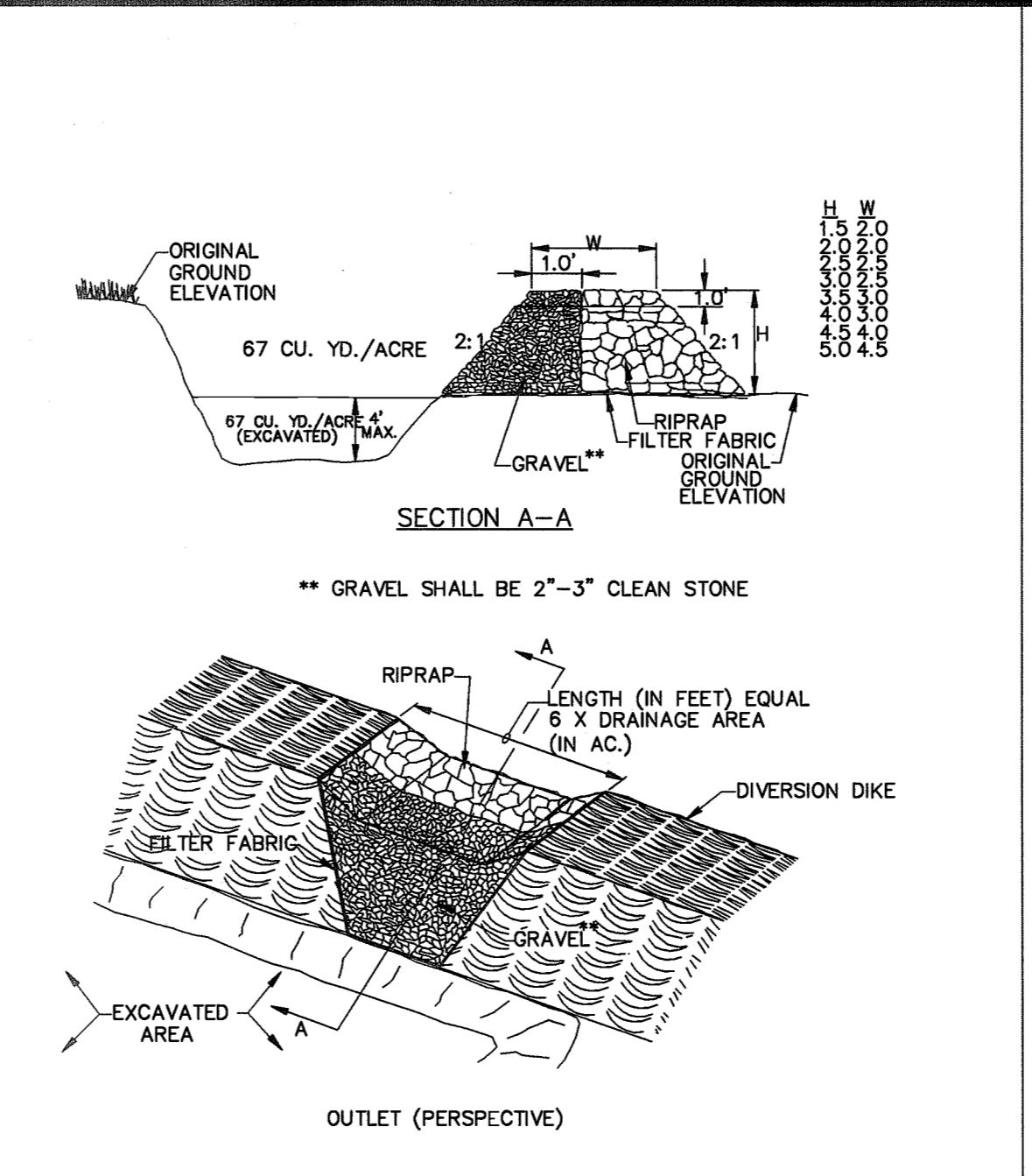
NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
2. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.



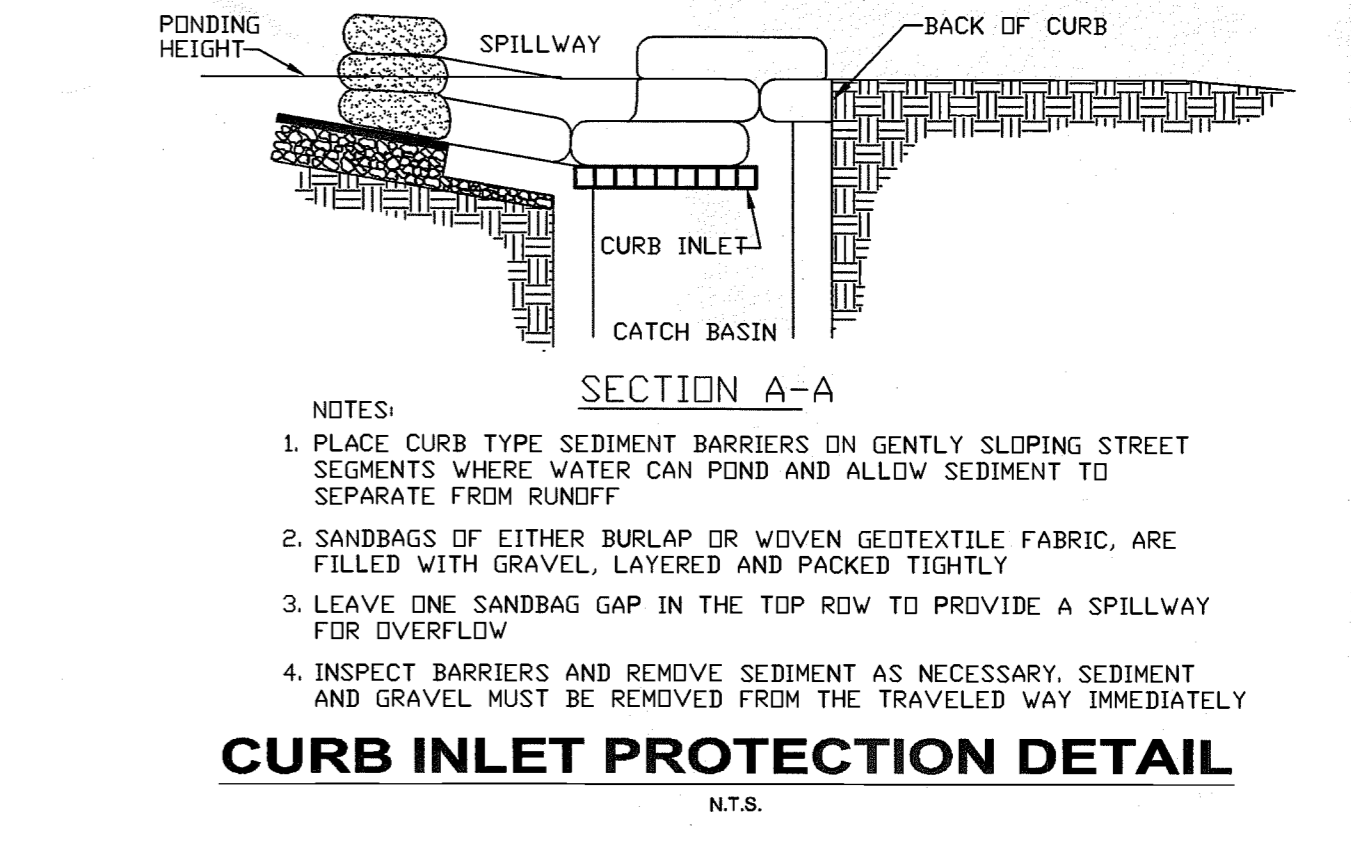
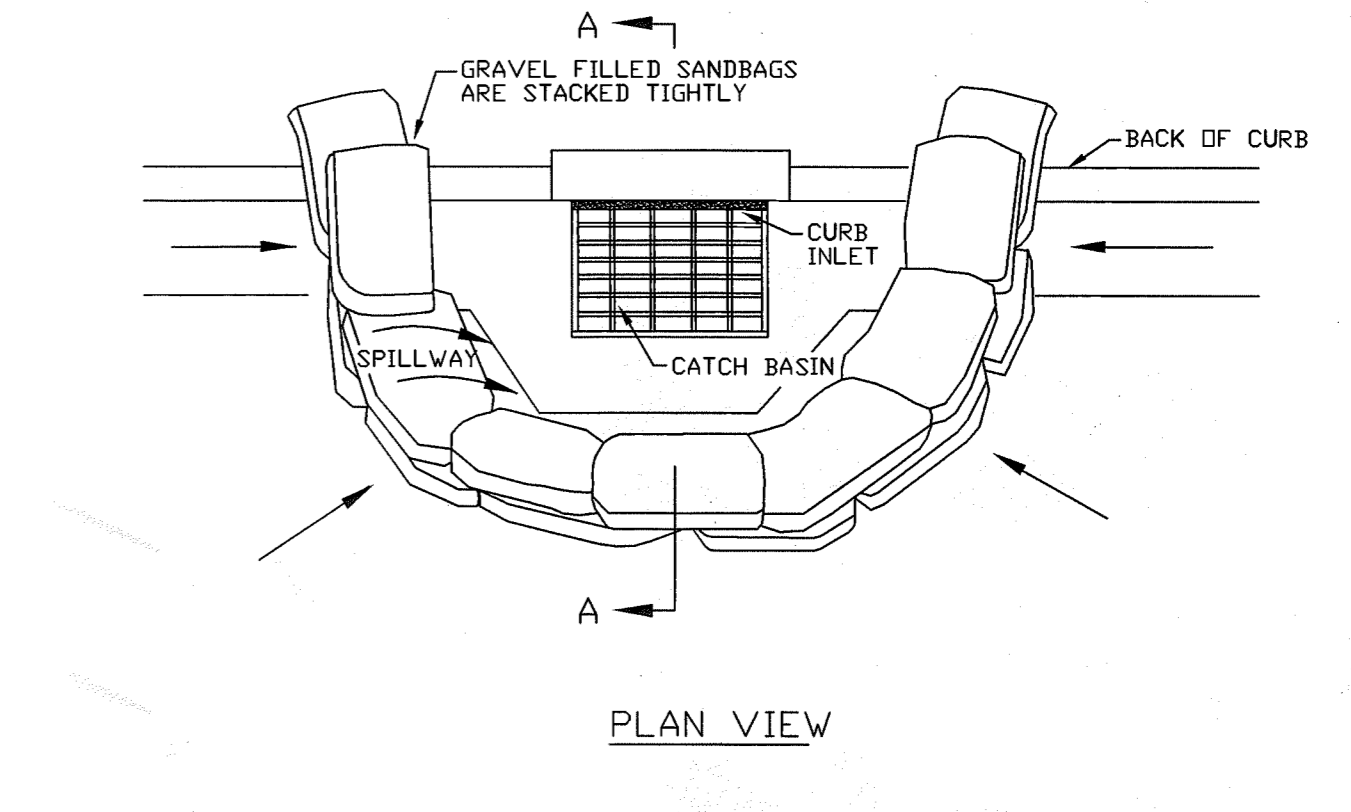
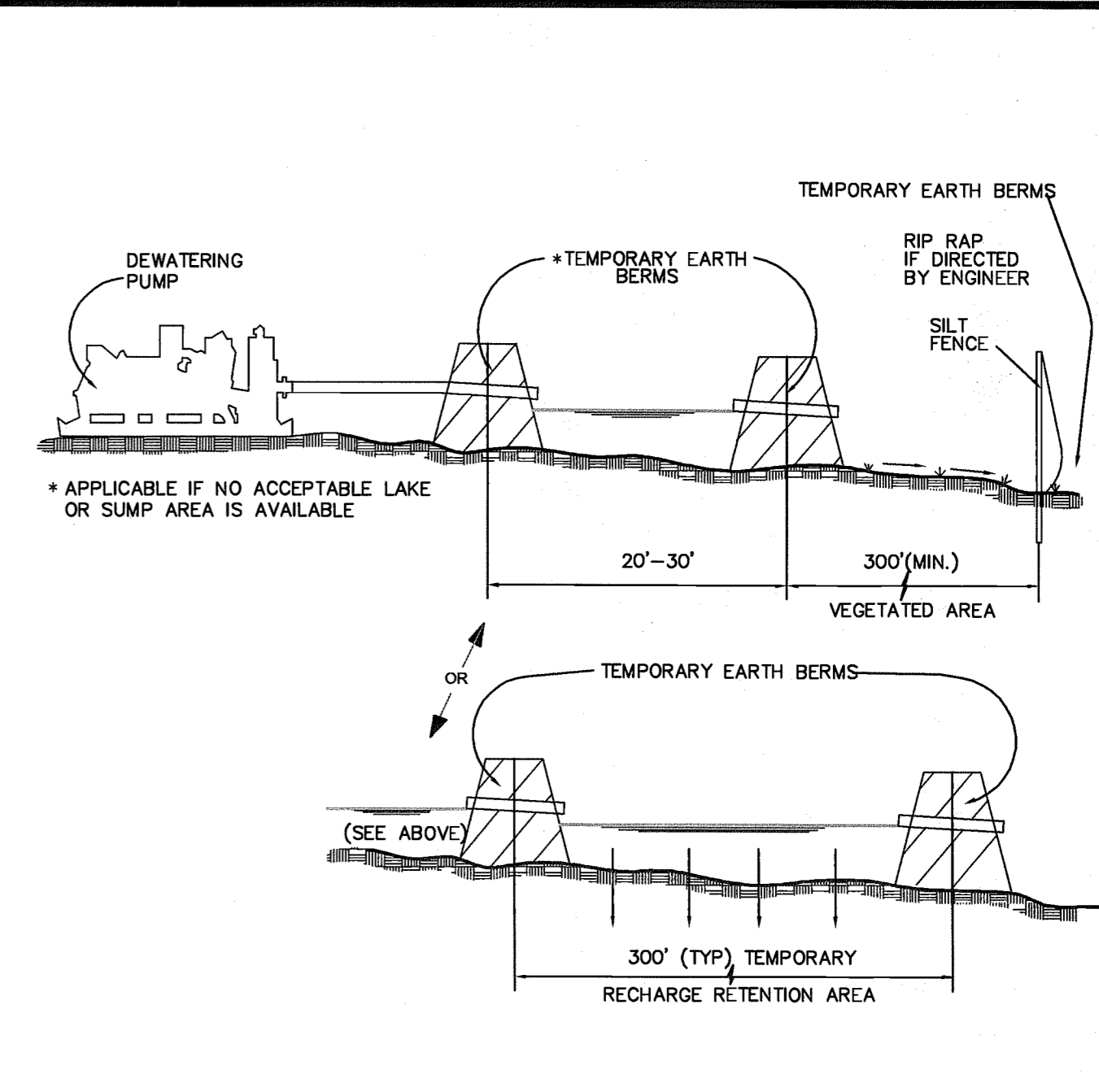
NOTES:
1. SET THE STAKES
2. UPSLOPE ALONG THE LINE OF STAKES
3. STAPLE FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



NOTES:
1. SET THE STAKES
2. UPSLOPE ALONG THE LINE OF STAKES
3. STAPLE FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



NOTES:
1. SET THE STAKES
2. UPSLOPE ALONG THE LINE OF STAKES
3. STAPLE FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



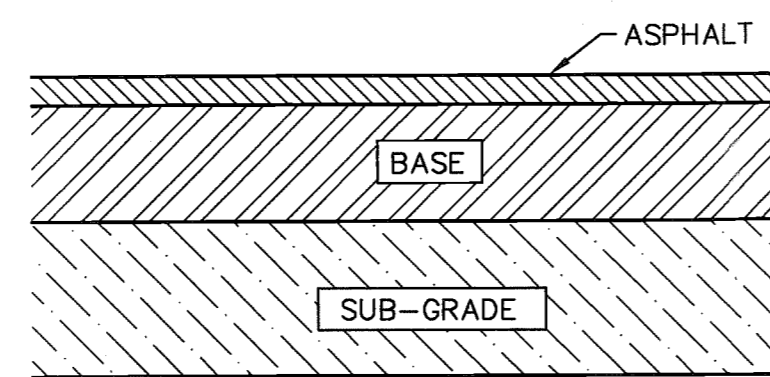
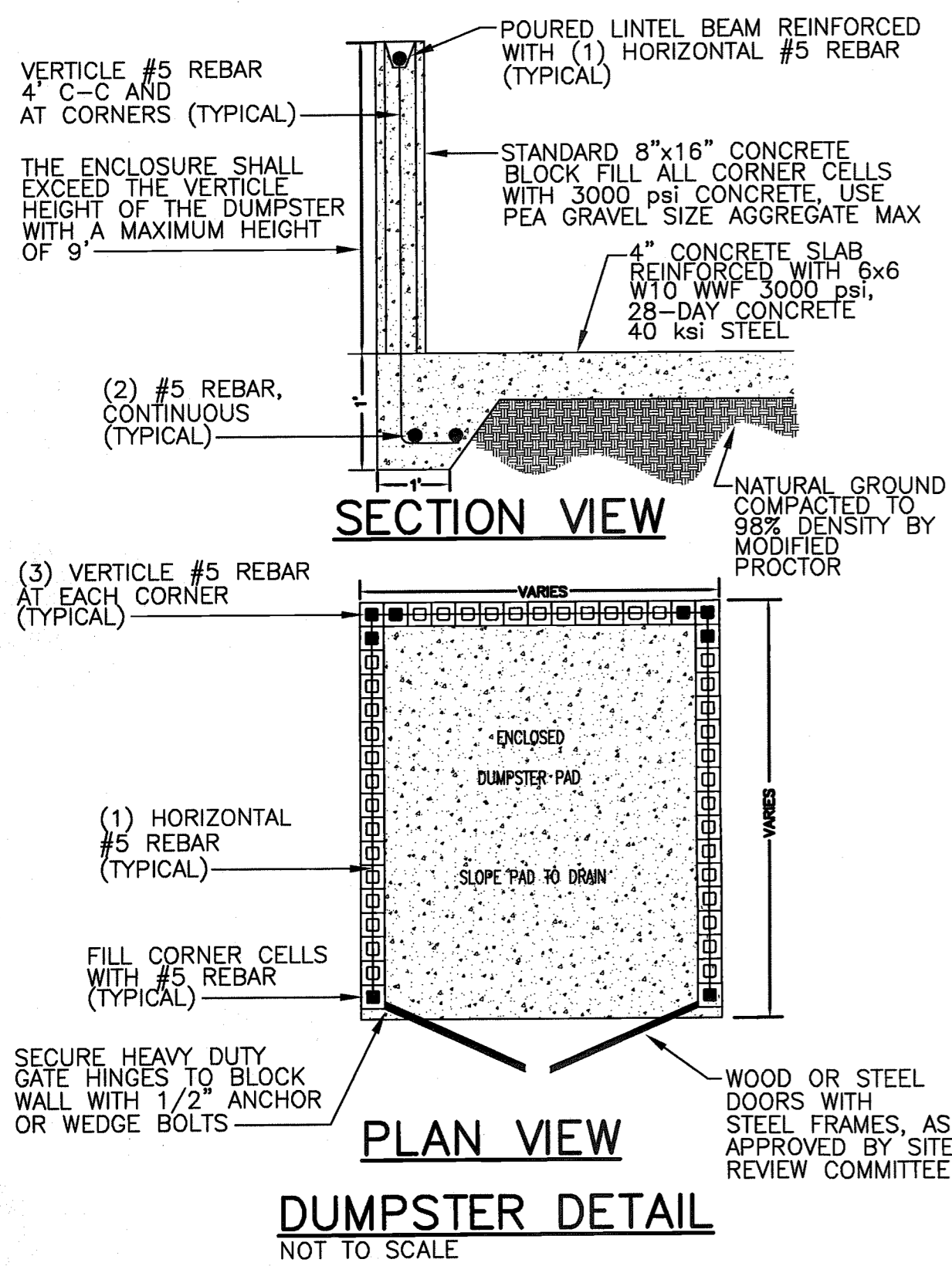
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF
2. SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW
4. INSPECT BARRIERS AND REMOVE SEDIMENT AS NECESSARY. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY

| | | | |
|---------------------|---|------|-----------|
| SCALE | N/A | DATE | 12/10/06 |
| DRAWN BY | SCG | DATE | NOV. 2006 |
| PROJECT NO. | 2078-016 | DATE | NOV. 2006 |
| PROJECT NAME | STARBUCKS - S.R. 50 | DATE | NOV. 2006 |
| PROJECT LOCATION | CITY OF CLERMONT, FLORIDA | DATE | NOV. 2006 |
| PROJECT DESCRIPTION | STORMWATER POLLUTION PREVENTION DETAILS | DATE | NOV. 2006 |
| ISSUED FOR: | PERMITTING | DATE | NOV. 2006 |
| ISSUED FOR: | CONSTRUCTION | DATE | NOV. 2006 |
| ISSUED FOR: | FINAL | DATE | NOV. 2006 |
| ISSUED FOR: | RECORD DWG | DATE | NOV. 2006 |

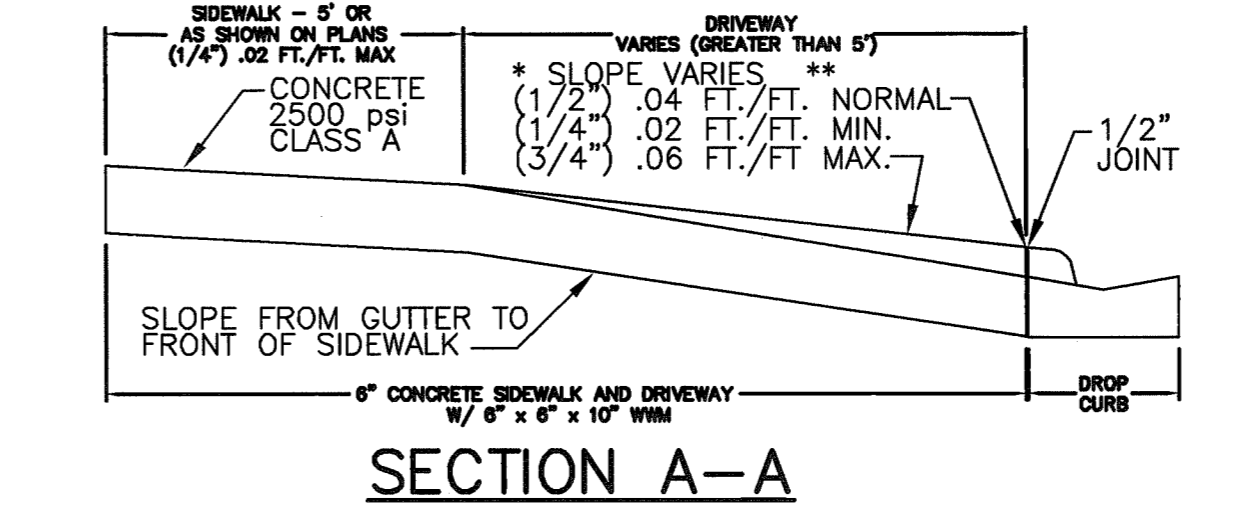
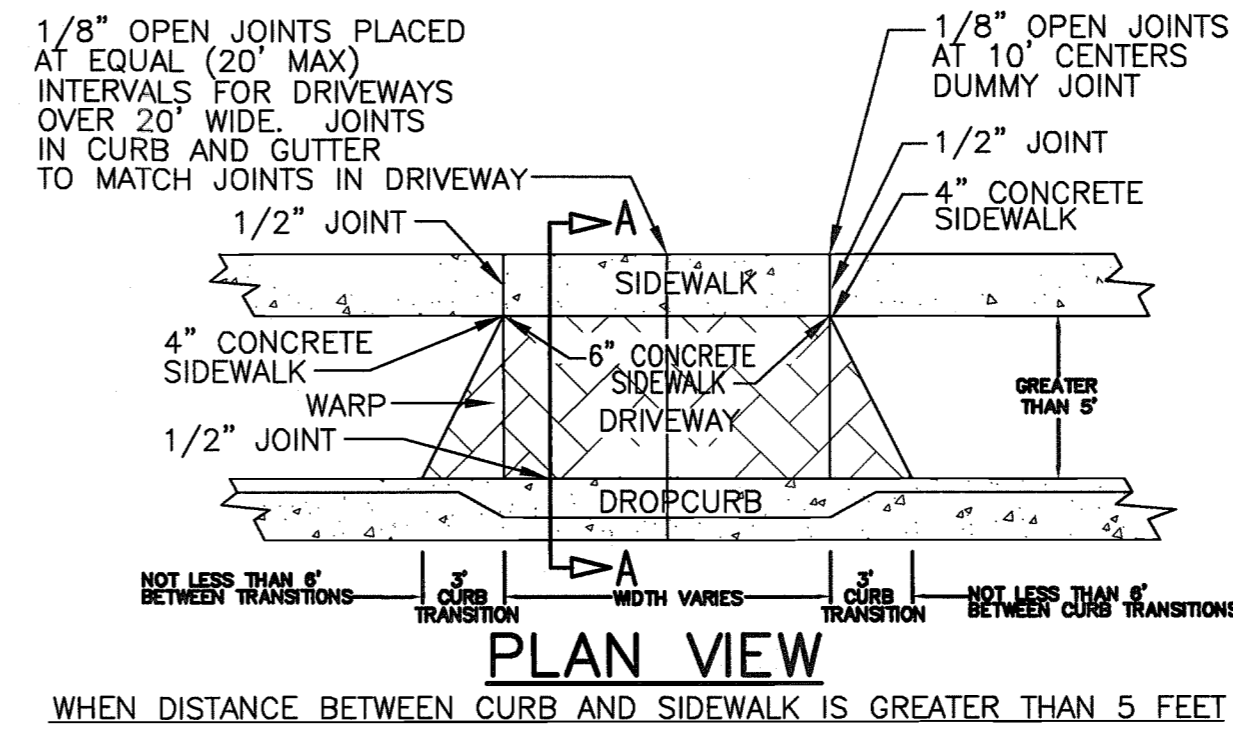
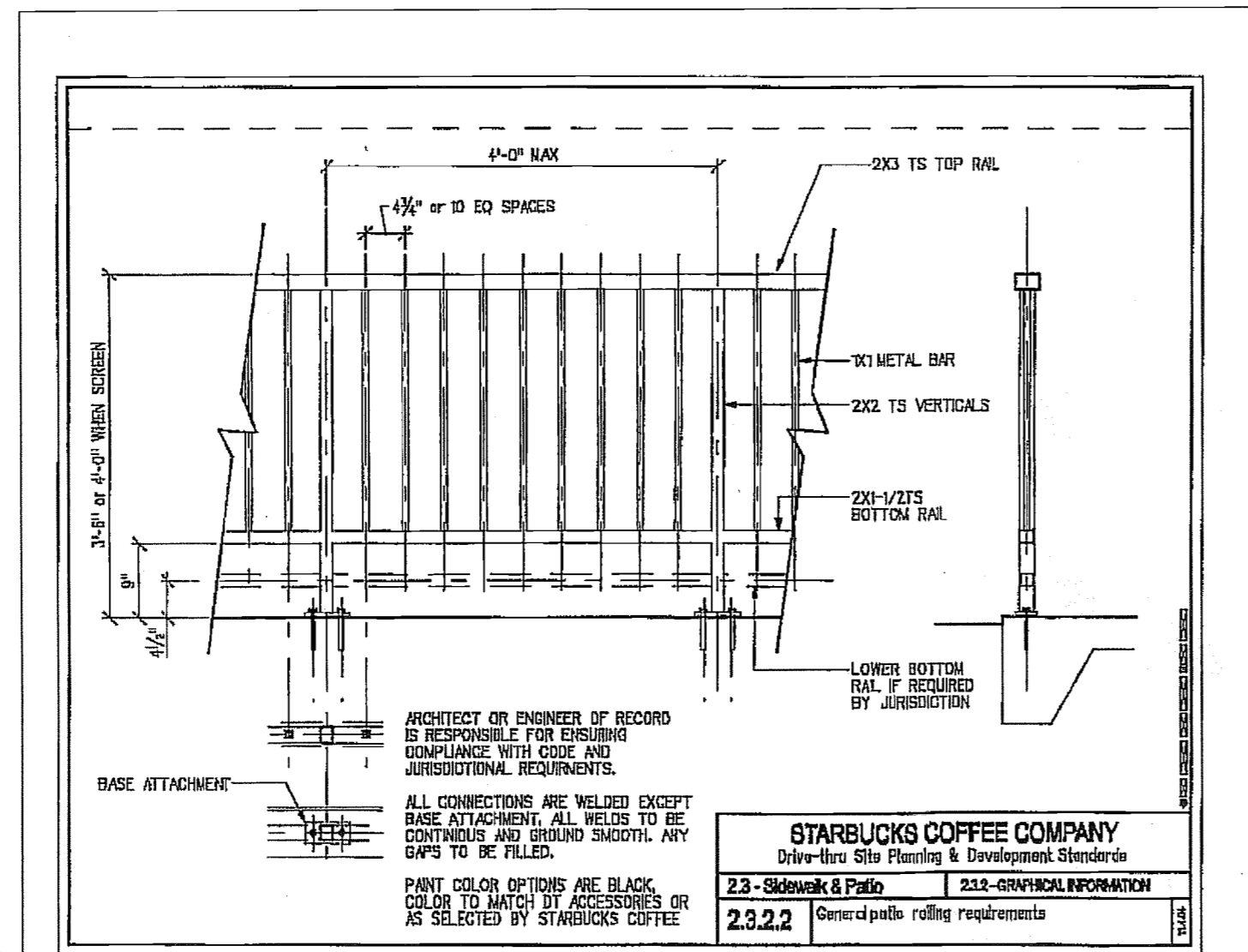
BURKE, HOGUE & MILLS ASSOCIATES, INC.
CIVIL ENGINEERING 4091 WINDLAND ROAD, STE 100
LAND PLANNING ORLANDO, FLORIDA 32811
TRAFFIC/TRANSPORTATION
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL SERVICES
PHONE (407) 248-0505
FAX (407) 248-0504
WWW.BHM-INC.COM

STARBUCKS - S.R. 50
CITY OF CLERMONT, FLORIDA
STORMWATER POLLUTION PREVENTION DETAILS

84016-8
RECEIVED
DEC 21 2006
PDS
ALTAMONTE SVC. CTR.



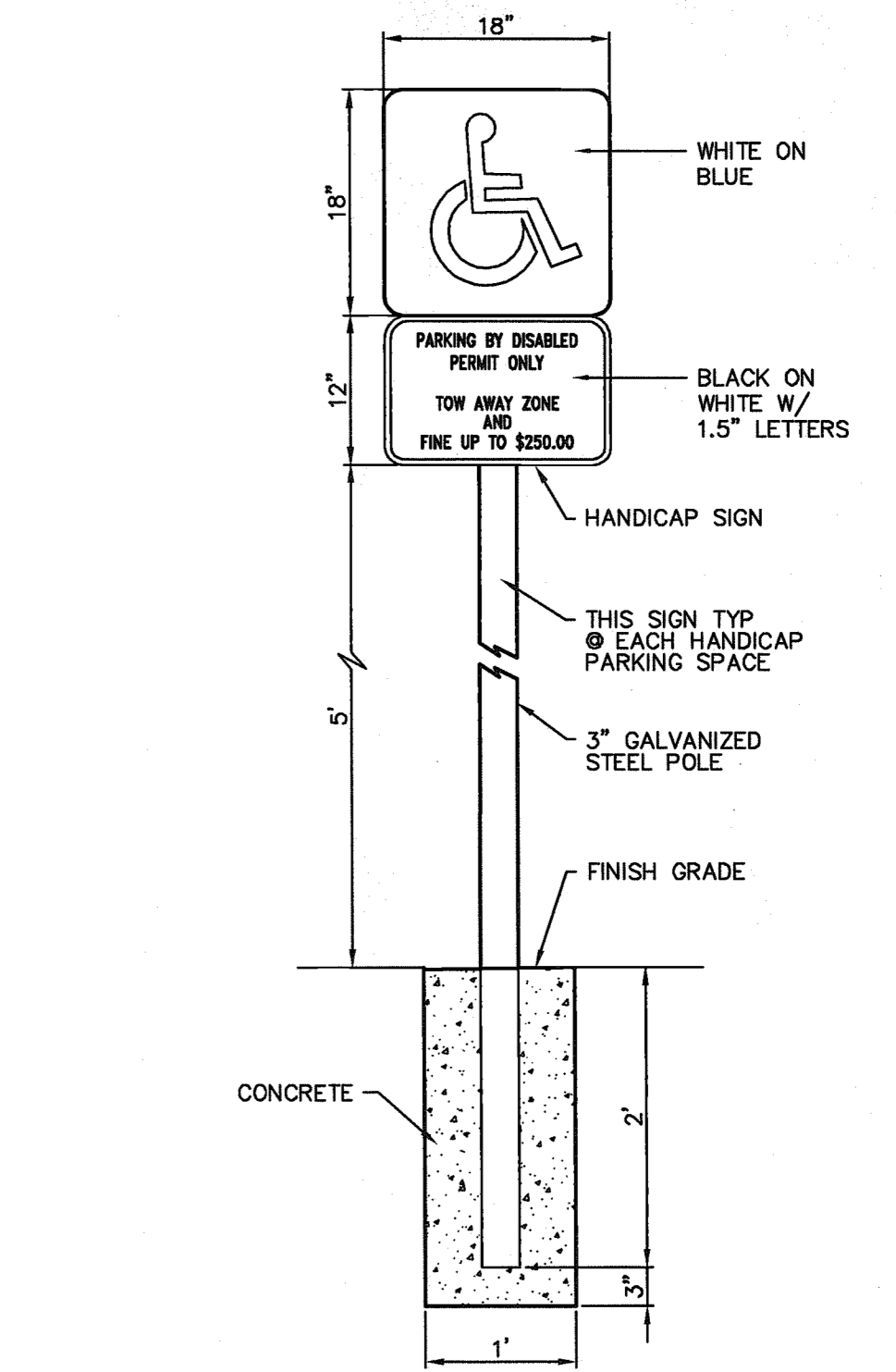
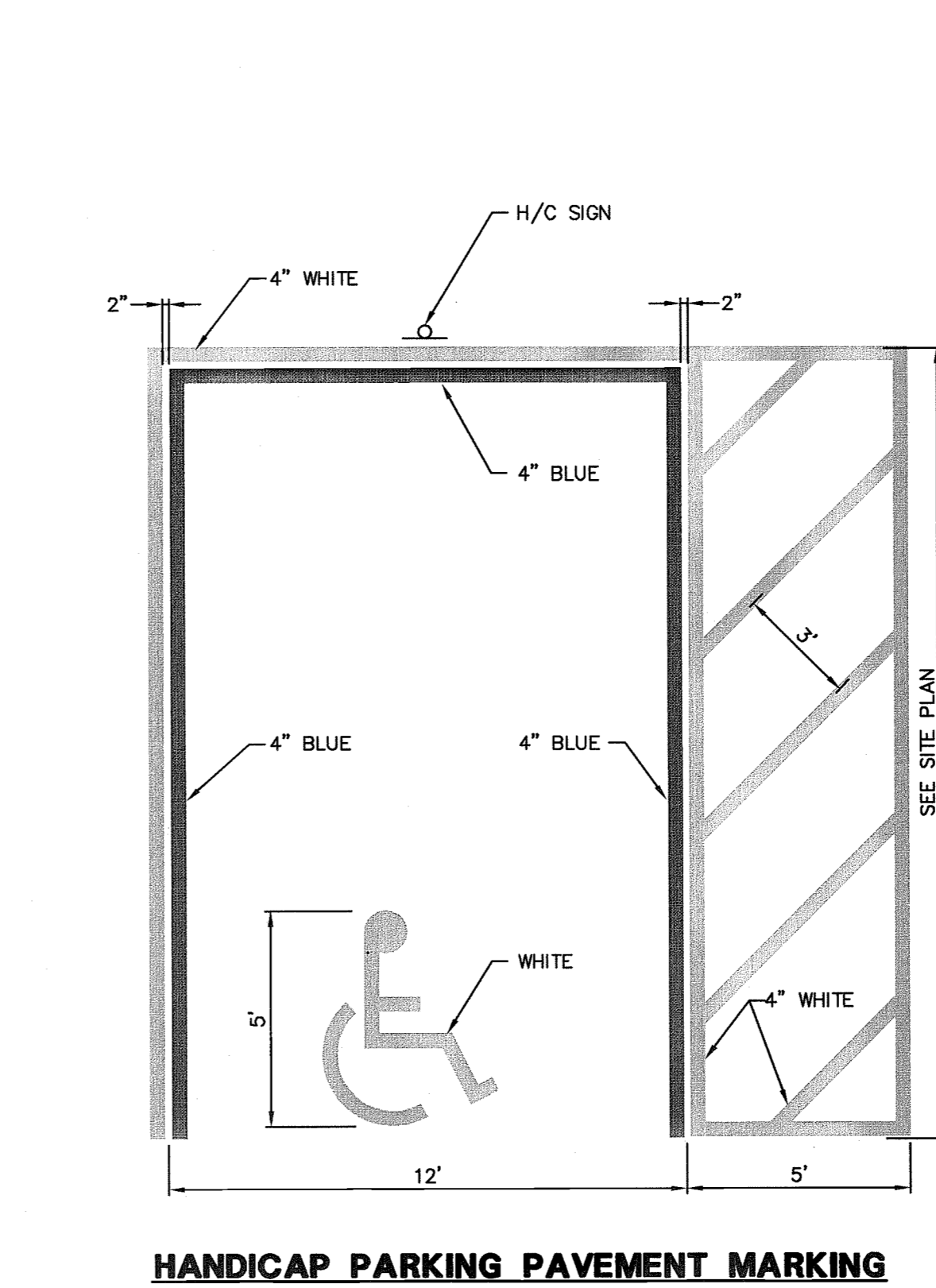
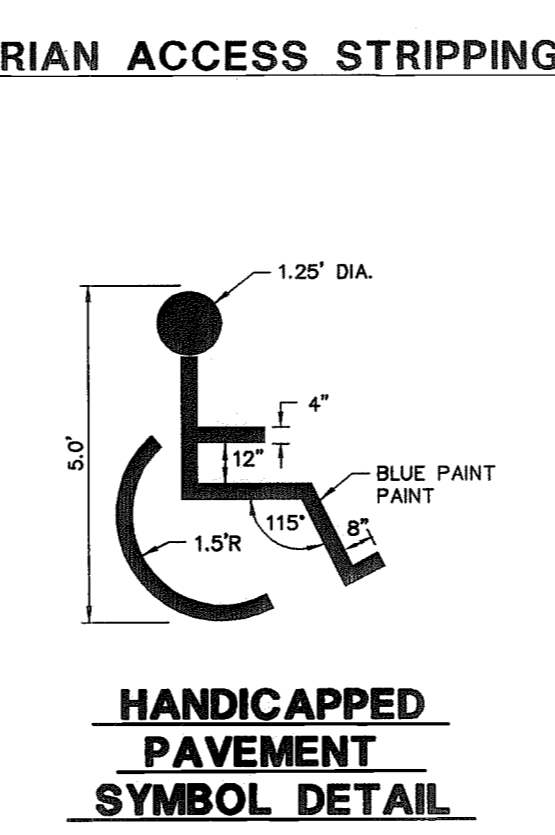
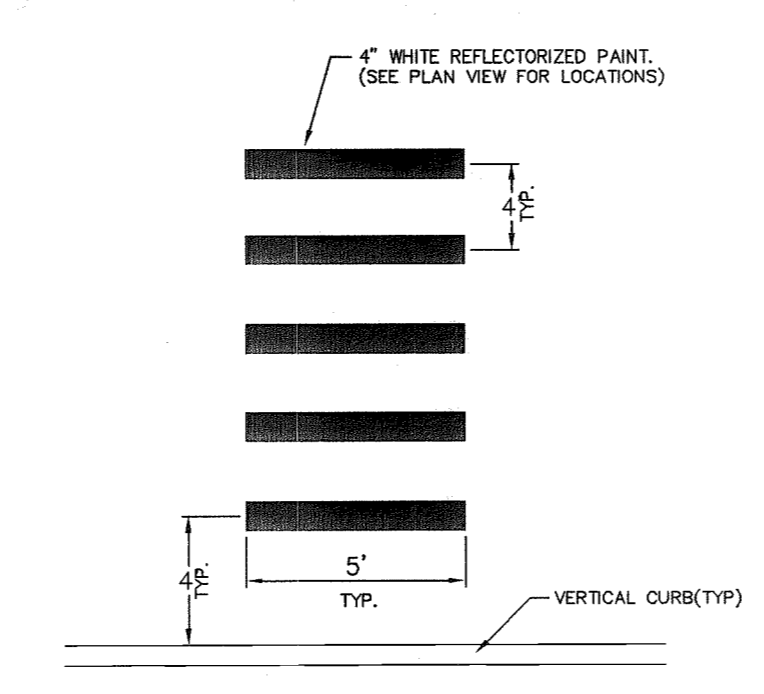
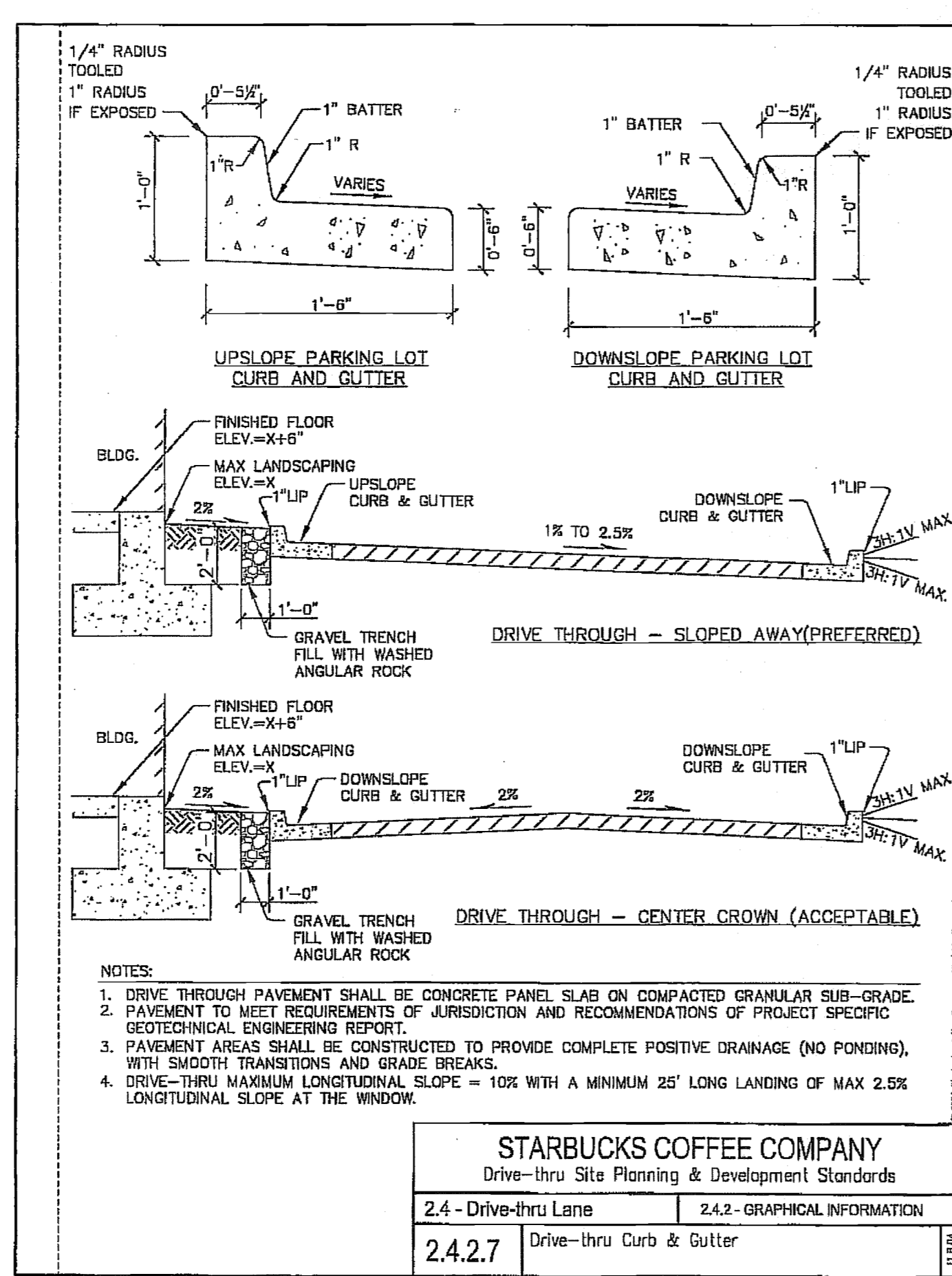
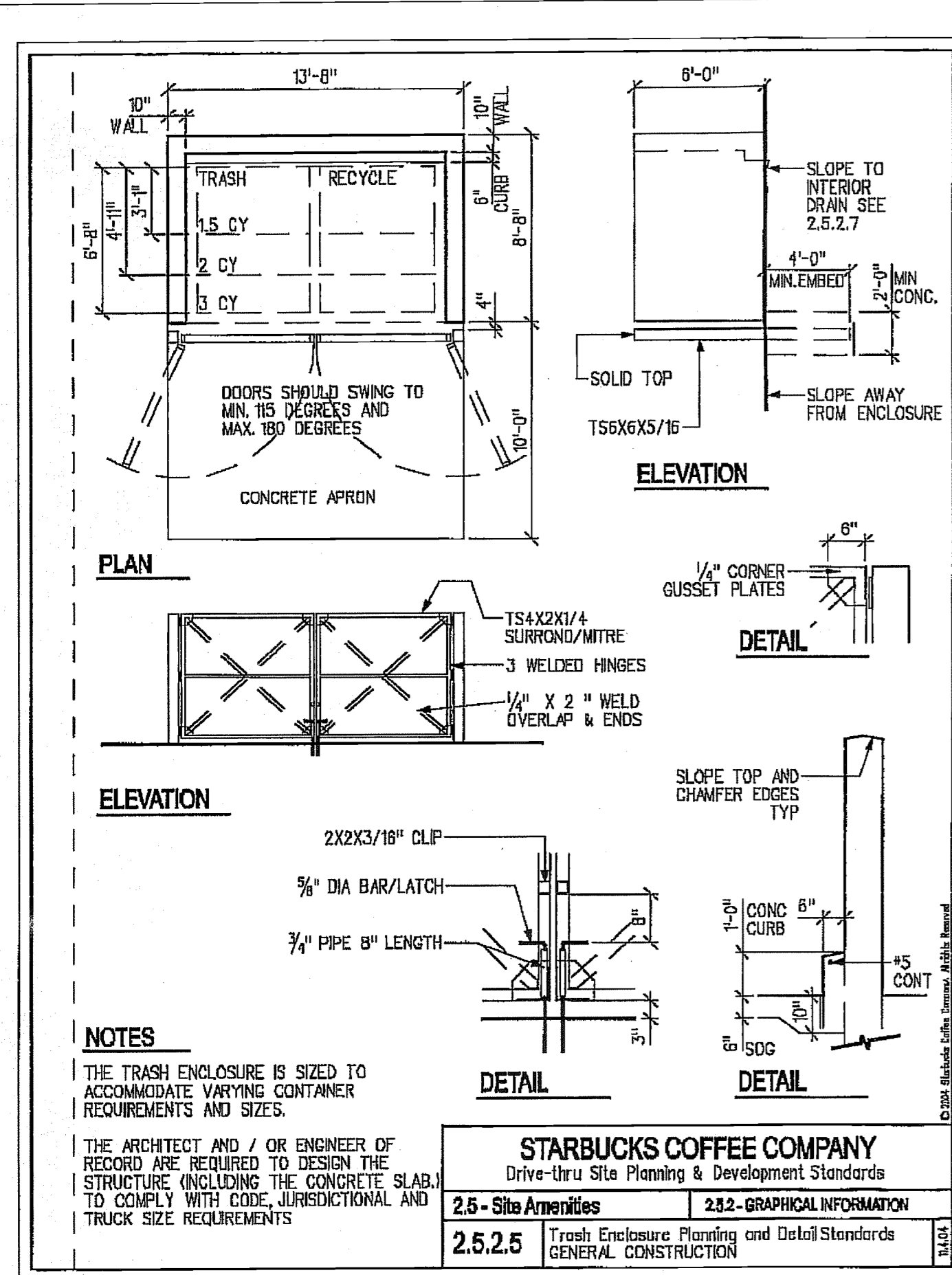
| Layer | Thickness | Material |
|-----------|-----------|---|
| ASPHALT | 1.5" | TYPE III ASPHALTIC CONCRETE SURFACE COURSE |
| BASE | 6" | SOIL CEMENT BASE - PRIMED 300 PSI AT 7 DAYS COMPACTED TO 97% AASHTO T-134 |
| SUB-GRADE | 6" | NORMAL COMPACTED SUB-GRADE LBR 20 HEAVY DUTY COMPACTED SUB-GRADE LBR 40 COMPACTED TO 98% AASHTO T-180 |



* SLOPES CAN BE ADJUSTED WITHIN THE RANGES SHOWN TO IMPROVE TIES TO ADJACENT PROPERTY AND ARE TO BE TRANSITIONED TO AVOID DISTORTION IN SIDEWALK CONTINUITY
 ** SPECIAL PERMISSION MAY BE OBTAINED TO INCREASE OR DECREASE SLOPE OF DRIVEWAY TO IMPROVE TIES TO SIDEWALK AND GUTTER GRADE
 NOTE: DRIVEWAYS AND SIDEWALKS THROUGH DRIVEWAYS SHALL REQUIRE 6" x 6" REINFORCEMENT WIRE.

- CHECK AND VERIFY THESE ITEMS:
- 6" W/WIRE
 - 3" TAPER CUT SQUARE
 - 5' SIDEWALK TO R/W
 - SLOPE VARIES (1/2") .04 FT./FT. NORMAL (1/4") .02 FT./FT. MIN. (3/4") .06 FT./FT. MAX.

SIDEWALK AND PAVED DRIVEWAY CONSTRUCTION
 NOT TO SCALE



84016-8
RECEIVED
 DEC 21 2006
 PDS
 ALTAMONTE SVC. CTR.

BURKE, HOGUE & MILLS ASSOCIATES, INC.
 CIVIL ENGINEERING 4801 INLANDS ROAD, STE 150 ORLANDO, FLORIDA 32811
 LAND PLANNING
 TRAFFIC/TRANSPORTATION
 LANDSCAPE ARCHITECTURE
 ENVIRONMENTAL SCIENCES SURVEYING GIS
STARBUCKS - S.R. 50
CITY OF CLERMONT, FLORIDA
SITE DETAILS

SCALE: N/A
 DRAWING NO.: J/C
 PROJECT NO.: SCG
 PROJECT NAME: 0078-016
 DATE: NOV. 2006
 PERMITTED DATE: 12/1/06

DATE: 12/1/06
 NO.:
 DESCRIPTION: PER CITY OF CLEMONT COMMENT
 BY:
 RECORD DWG

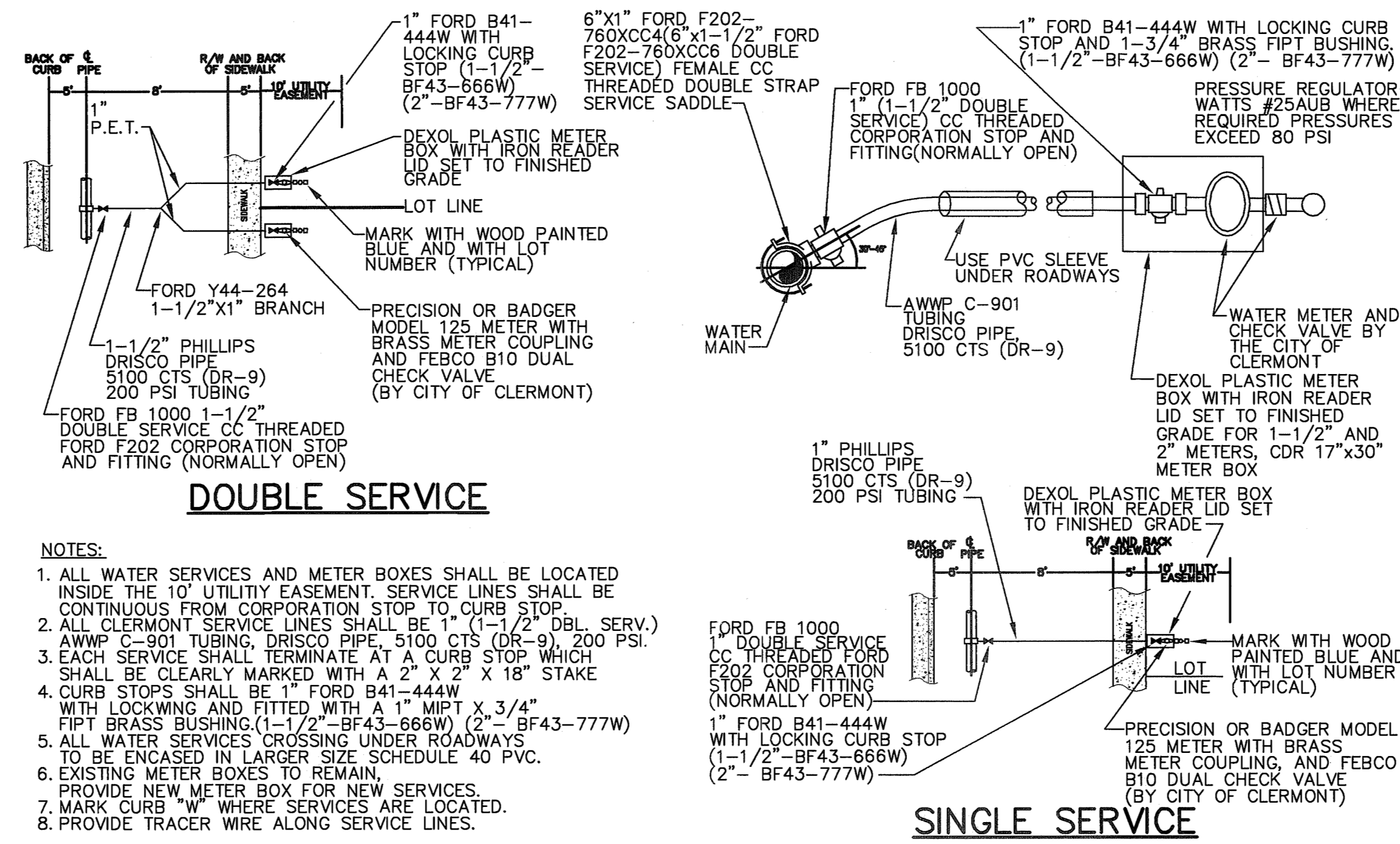
ISSUED FOR: PRELIMINARY PERMITTING CONSTRUCTION RECORD DWG

THESE PLANS MAY NOT BE COPIED AND/OR REPRODUCED WITHOUT THE WRITTEN PERMISSION FROM BURKE, HOGUE & MILLS ASSOCIATES, INC.

DATE: DECEMBER 20, 2006
 BY: PETER INDIANA, P.E. #65424
 TITLE: REGISTERED PROFESSIONAL CIVIL ENGINEER
 CERTIFICATE OF REGISTRATION NO. 6918

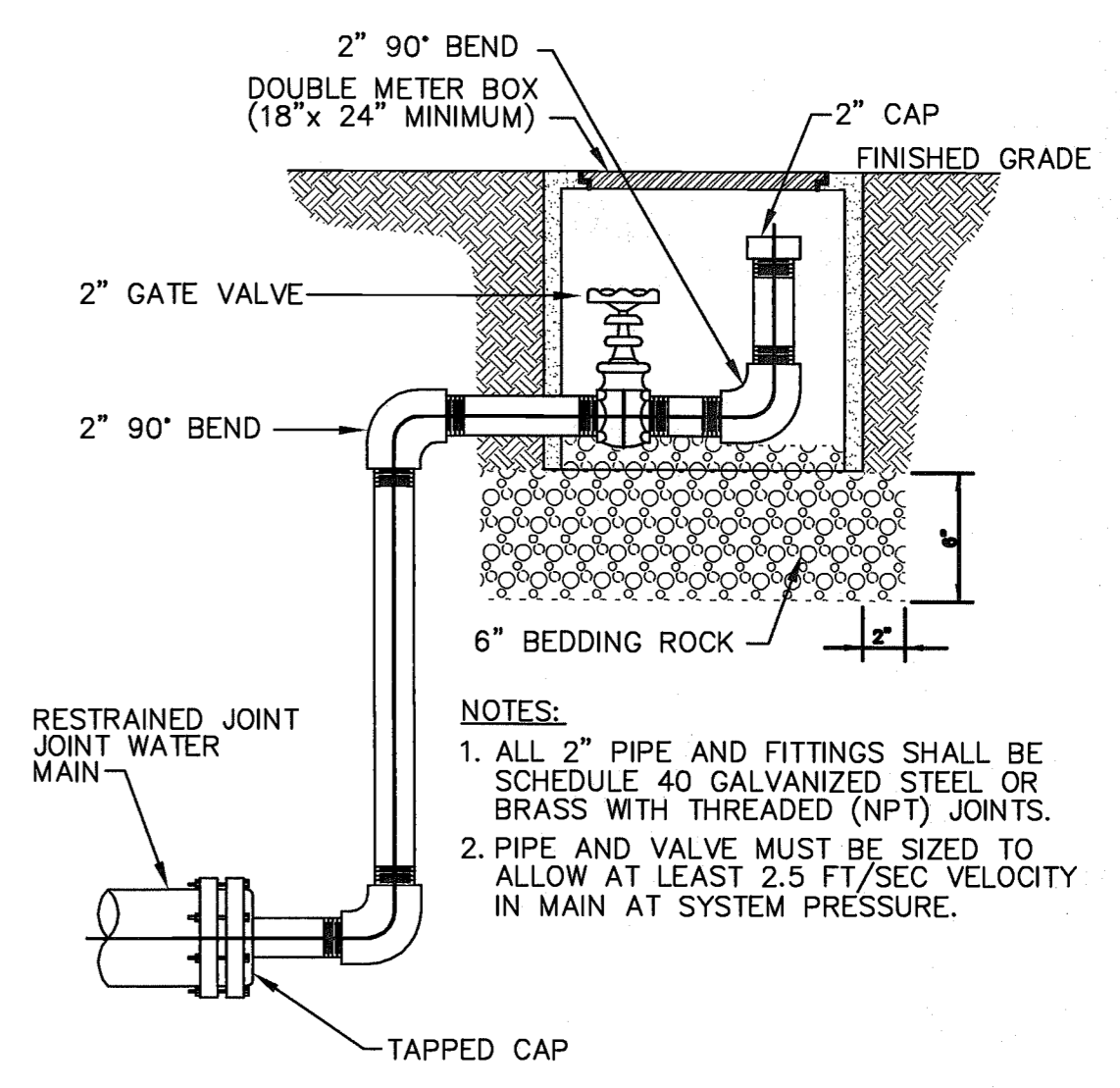
RECEIVED
 DEC 21 2006
 PDS
 ALTAMONTE SVC. CTR.

9

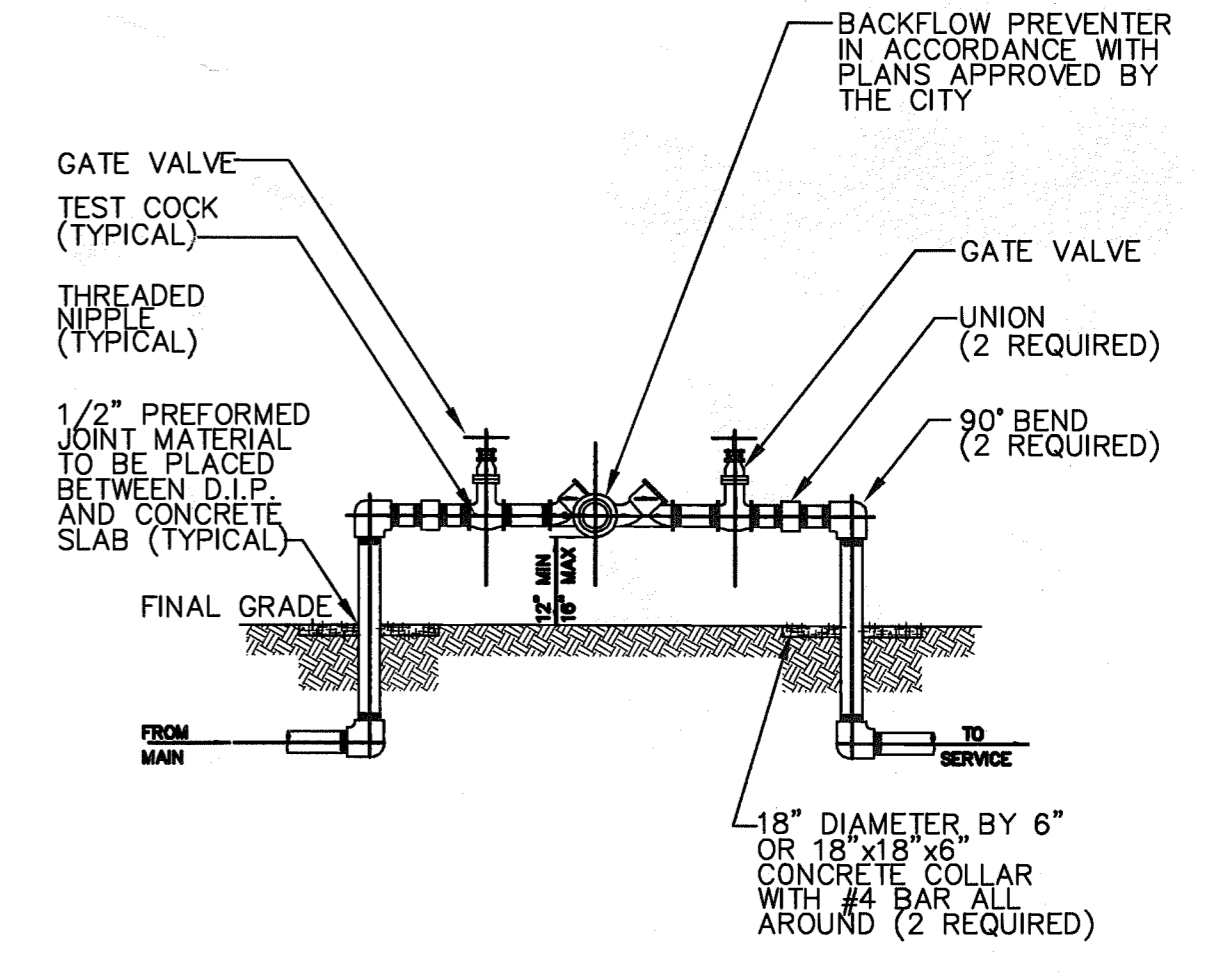


- DOUBLE SERVICE**
- NOTES:**
1. ALL WATER SERVICES AND METER BOXES SHALL BE LOCATED INSIDE THE 10' UTILITY EASEMENT. SERVICE LINES SHALL BE CONTINUOUS FROM CORPORATION STOP TO CURB STOP.
 2. ALL CLERMONT SERVICE LINES SHALL BE 1" (1-1/2" DBL. SERV.) AWWP C-901 TUBING, DRISCO PIPE, 5100 CTS (DR-9), 200 PSI.
 3. EACH SERVICE SHALL TERMINATE AT A CURB STOP WHICH SHALL BE CLEARLY MARKED WITH A 2" X 2" X 18" STAKE WITH LOCKING AND FITTED WITH A 1" MPT X 3/4" FIPT BRASS BUSHING (1-1/2" - BF43-666W) (2" - BF43-777W).
 4. CURB STOPS SHALL BE 1" FORD B41-444W WITH LOCKING CURB STOP AND 1-3/4" BRASS FIPT BUSHING (1-1/2" - BF43-666W) (2" - BF43-777W).
 5. ALL WATER SERVICES CROSSING UNDER ROADWAYS TO BE ENCASED IN LARGER SIZE SCHEDULE 40 PVC.
 6. EXISTING METER BOXES TO REMAIN, PROVIDE NEW METER BOX FOR NEW SERVICES.
 7. MARK CURB "W" WHERE SERVICES ARE LOCATED.
 8. PROVIDE TRACER WIRE ALONG SERVICE LINES.

WATER SERVICE CONNECTION DETAILS
NOT TO SCALE



BLOWOFF VALVE DETAIL
NOT TO SCALE



REDUCED PRESSURE BACKFLOW PREVENTER
NOT TO SCALE

| | | | |
|--------------------|-----------------|------------------------------|--------------|
| SCALE: N/A | DATE: NOV. 2006 | ISSUED FOR: PRELIMINARY | RECORD DWG |
| DRAWN BY: JC | PROJ. #: | PERMITTING | CONSTRUCTION |
| PROJ. MANAGER: SCG | 2078-016 | FINAL | |
| DATE: 2078-016 | NOV. 2006 | | |
| NO. 1 | 12/1/06 | PER CITY OF CLERMONT COMMENT | BY |
| | | DESCRIPTION | |

BURKE, HOGUE & MILLS ASSOCIATES, INC.

CIVIL ENGINEERING 4901 VINELAND ROAD, STE 190
LAND PLANNING ORLANDO, FLORIDA 32811
TRAFFIC/TRANSPORTATION
LANDSCAPE ARCHITECTURE PHONE (407) 246-0505
ENVIRONMENTAL ENGINEERING FAX (407) 246-0534
SURVEYING GIS AVIDGROUP.COM

AVID

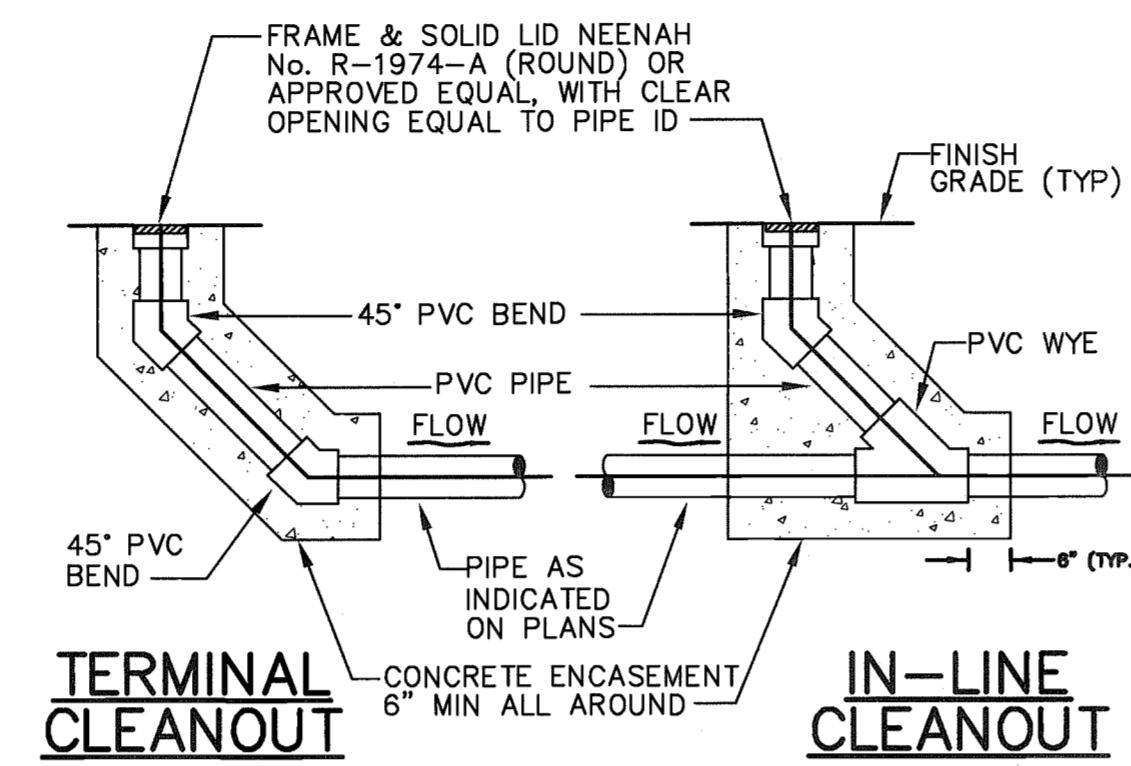
STARBUCKS - S.R. 50

CITY OF CLERMONT, FLORIDA

WATER DETAILS

84016-8
RECEIVED
DEC 21 2006
PDS
ALTAMONTE SVC. CTR.

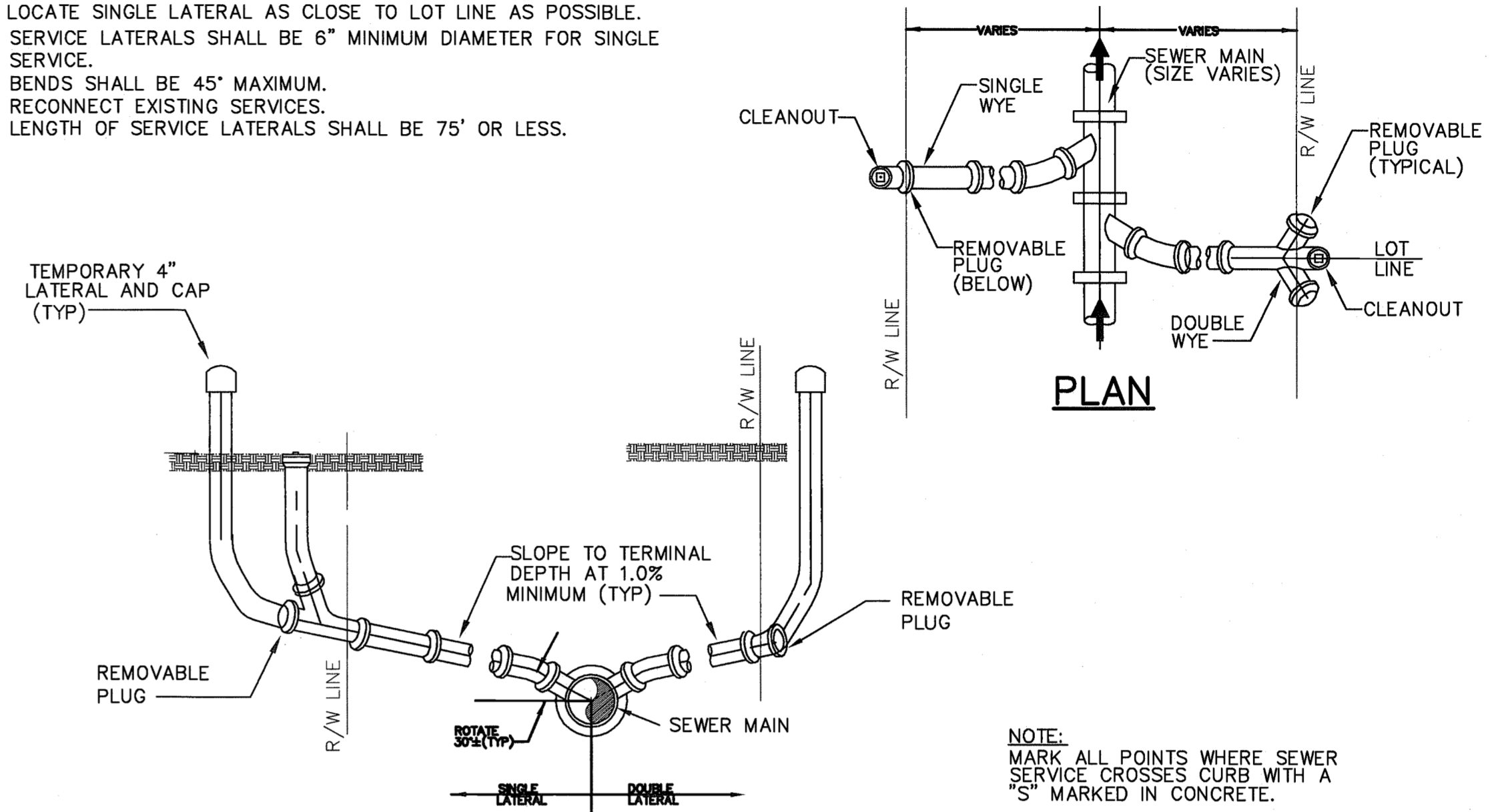
SHEET
10
NO



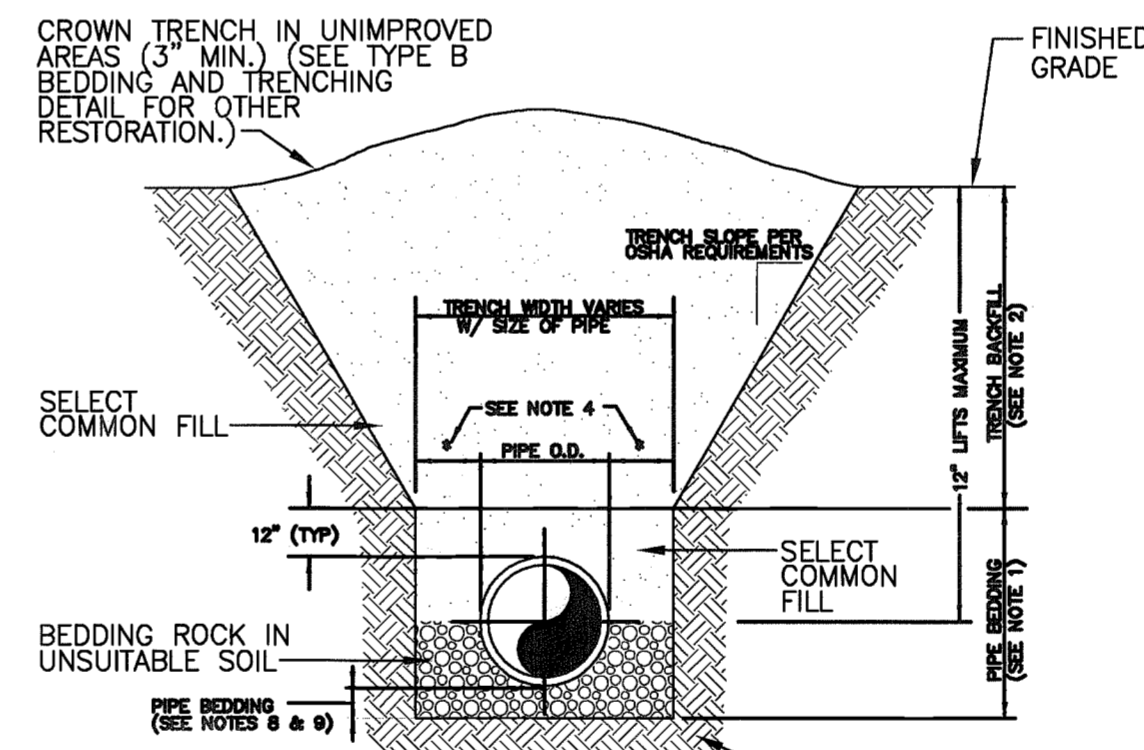
**CLEANOUT DETAIL
IN PAVED AREAS**

NOTES:

1. LOCATE SINGLE LATERAL AS CLOSE TO LOT LINE AS POSSIBLE.
2. SERVICE LATERALS SHALL BE 6" MINIMUM DIAMETER FOR SINGLE SERVICE.
3. BENDS SHALL BE 45° MAXIMUM.
4. RECONNECT EXISTING SERVICES.
5. LENGTH OF SERVICE LATERALS SHALL BE 75' OR LESS.



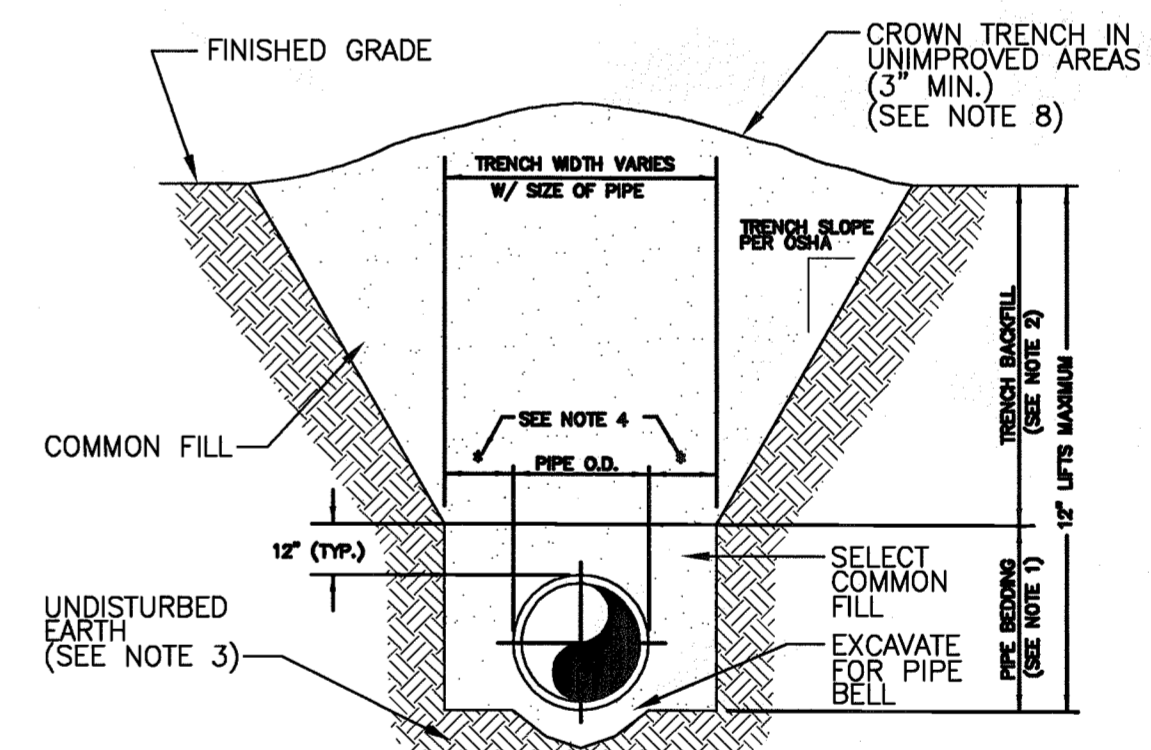
SEWER SERVICE RISER CONNECTION DETAILS
NOT TO SCALE



NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. USE TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY OF CLERMONT.
4. (*) 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. SHEETING AND BRACING SHALL BE USED IN ACCORDANCE WITH CURRENT TRENCHING REGULATIONS AND WHERE UNSAFE CONDITIONS EXIST.
8. GRAVITY SEWERS SHALL UTILIZE TYPE A BEDDING IF REQUIRED BY THE ENGINEER. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER LESS THAN 15" AND 6" MINIMUM FOR PIPE DIAMETER 16" AND LARGER.
9. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. CITY OF CLERMONT SHALL DETERMINE IN THE FIELD REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.

**TYPE A BEDDING AND
TRENCHING DETAIL**
NOT TO SCALE



NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE A BEDDING AND TRENCHING DETAIL MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
4. (*) 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. SHEETING AND BRACING SHALL BE USED IN ACCORDANCE WITH CURRENT TRENCHING REGULATIONS AND WHERE UNSAFE CONDITIONS EXIST.
8. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN CITY OF CLERMONT RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.

**TYPE B BEDDING AND
TRENCHING DETAIL**
NOT TO SCALE

| | | | |
|----------------|-------------|-------------------------------|-----------|
| SCALE: | N/A | DATE: | NOV. 2006 |
| DRAWN BY: | JC | PER CITY OF CLERMONT COMMENT: | |
| PROJ. MANAGER: | SCG | DESCRIPTION: | |
| PROJ. #: | 2078-016 | BY: | |
| ISSUED FOR: | PRELIMINARY | CONSTRUCTION: | |
| | | FINAL: | |
| | | RECORD DWG: | |

THESE PLANS MAY NOT BE COPIED AND OR MODIFIED WITHOUT WRITTEN PERMISSION FROM AVID GROUP, INC. COPYRIGHT 2006. DECEMBER 30, 2006

PETER INSANA, P.E. #65424
REGISTERED PROFESSIONAL ENGINEER
CIVIL AND ENVIRONMENTAL
CERTIFICATE OF AUTHORIZATION No. 6199

BURKE, HOGUE & MILLS ASSOCIATES, INC.
CIVIL ENGINEERING 4901 VINELAND ROAD, STE 190
LAND PLANNING ORLANDO, FLORIDA 32811
TRAFFIC ENGINEERING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL SCIENCES PHONE (407) 248-0905
SURVEYING FAX (407) 248-0334
GIS AVIDGROUP.COM

STARBUCKS - S.R. 50
CITY OF CLERMONT, FLORIDA
SEWER DETAILS

84016-8

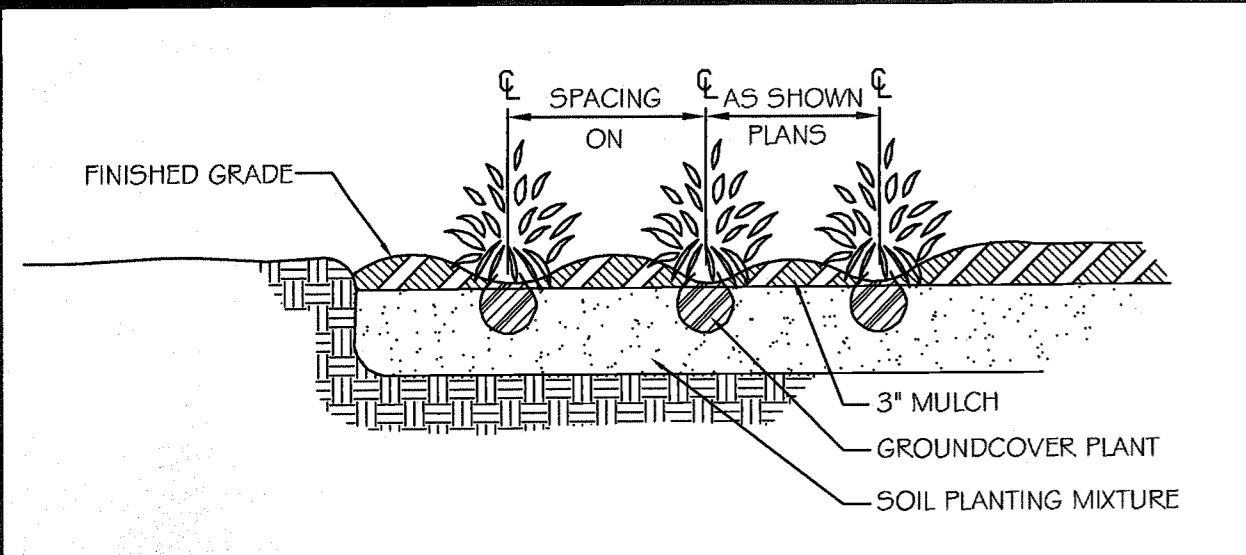
RECEIVED

DEC 21 2006

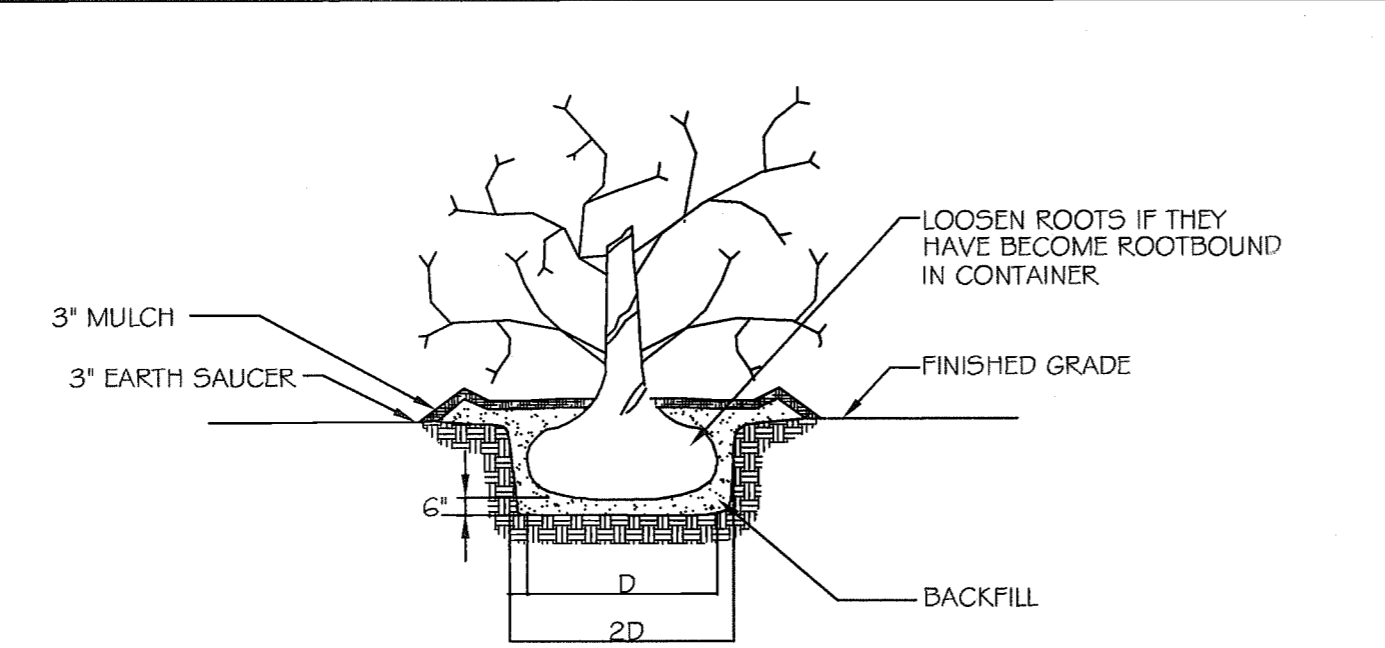
PDS
ALTAMONTE SVG. GTR.

11

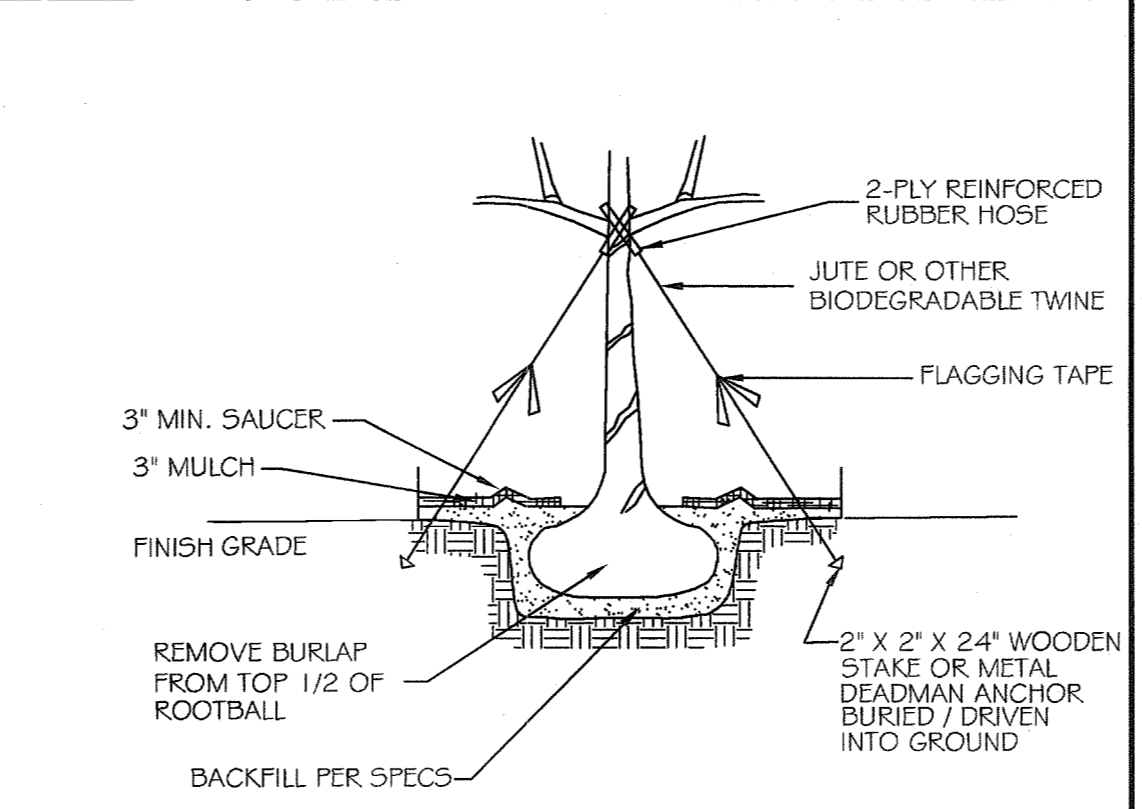
2078-016.DWG
2078-016.DWG



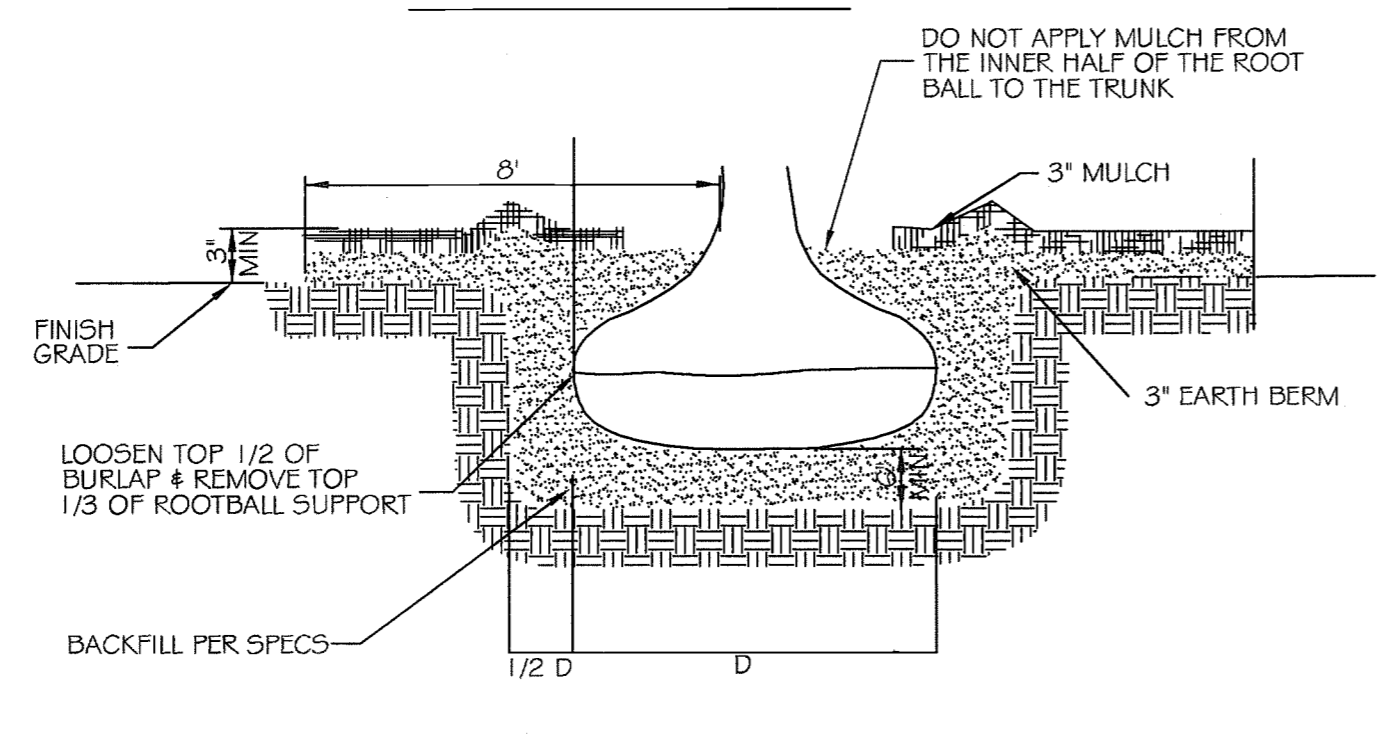
GROUND COVER PLANTING DETAIL



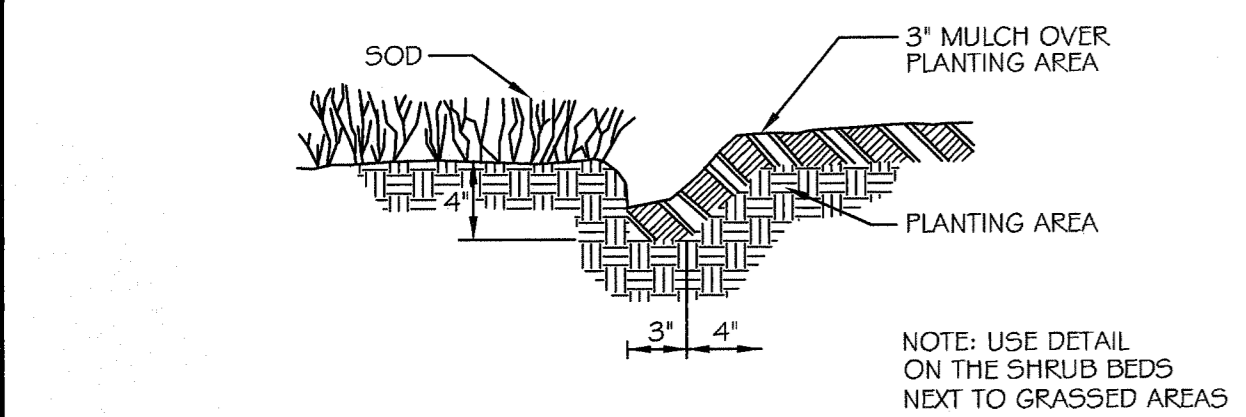
TYPICAL SHRUB PLANTING DETAIL



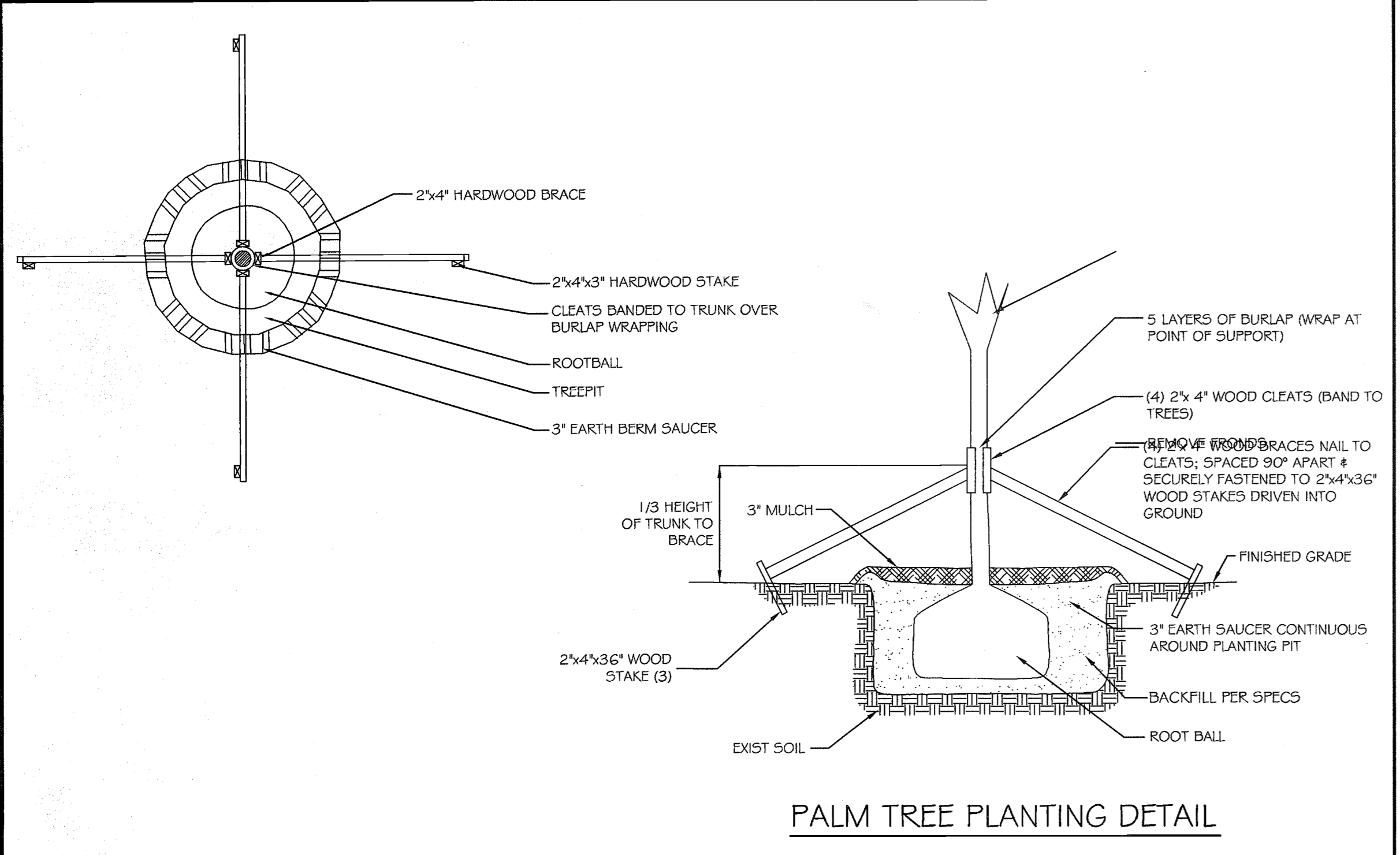
TREE STAKING DETAIL



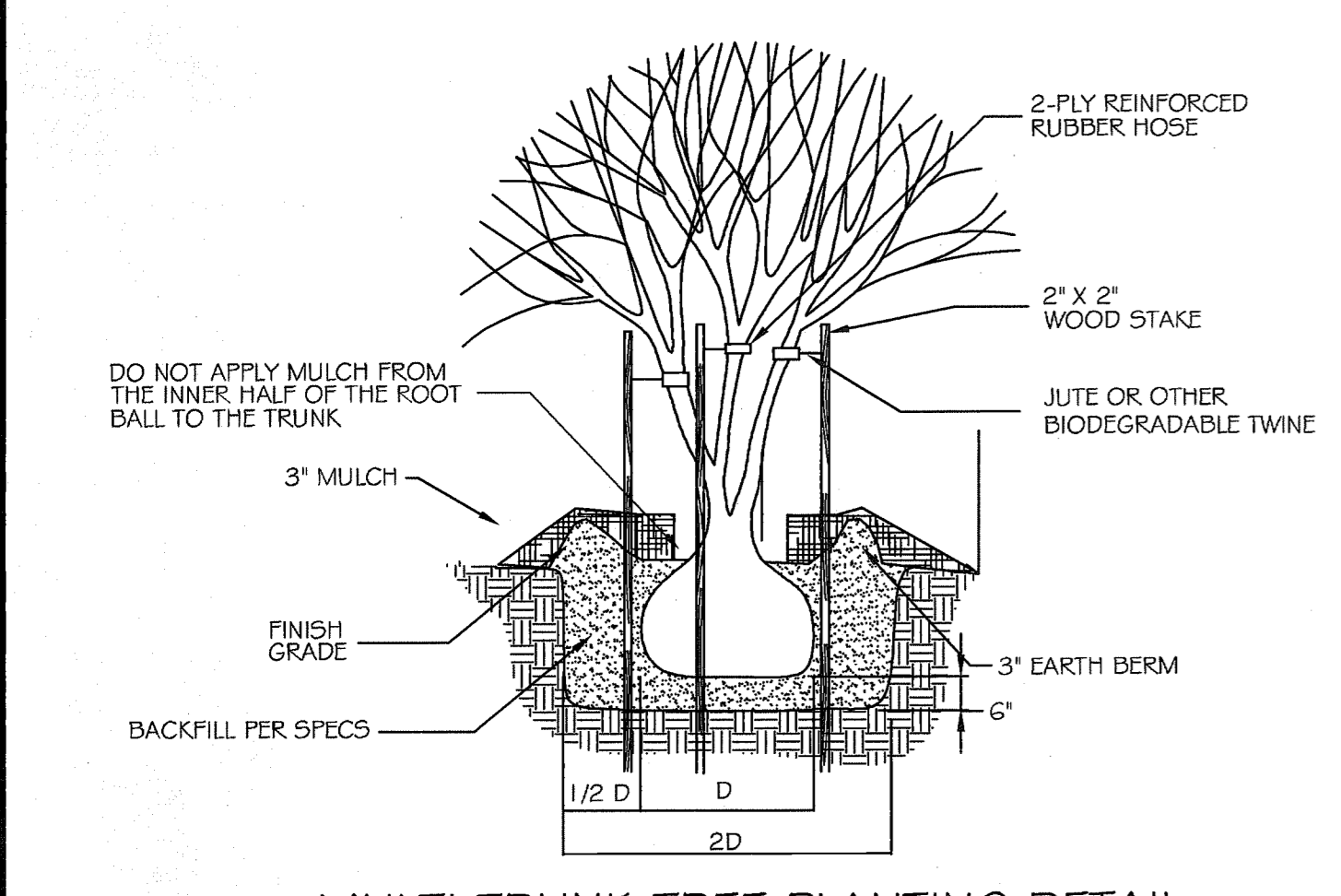
NOTE: PLANT TREE SLIGHTLY ABOVE ORIGINAL GRADE TO ALLOW FOR SETTLEMENT. WATER TREE IMMEDIATELY AFTER PLANTING.



LAWN/PLANTING AREA EDGE DETAIL



PALM TREE PLANTING DETAIL



MULTI TRUNK TREE PLANTING DETAIL

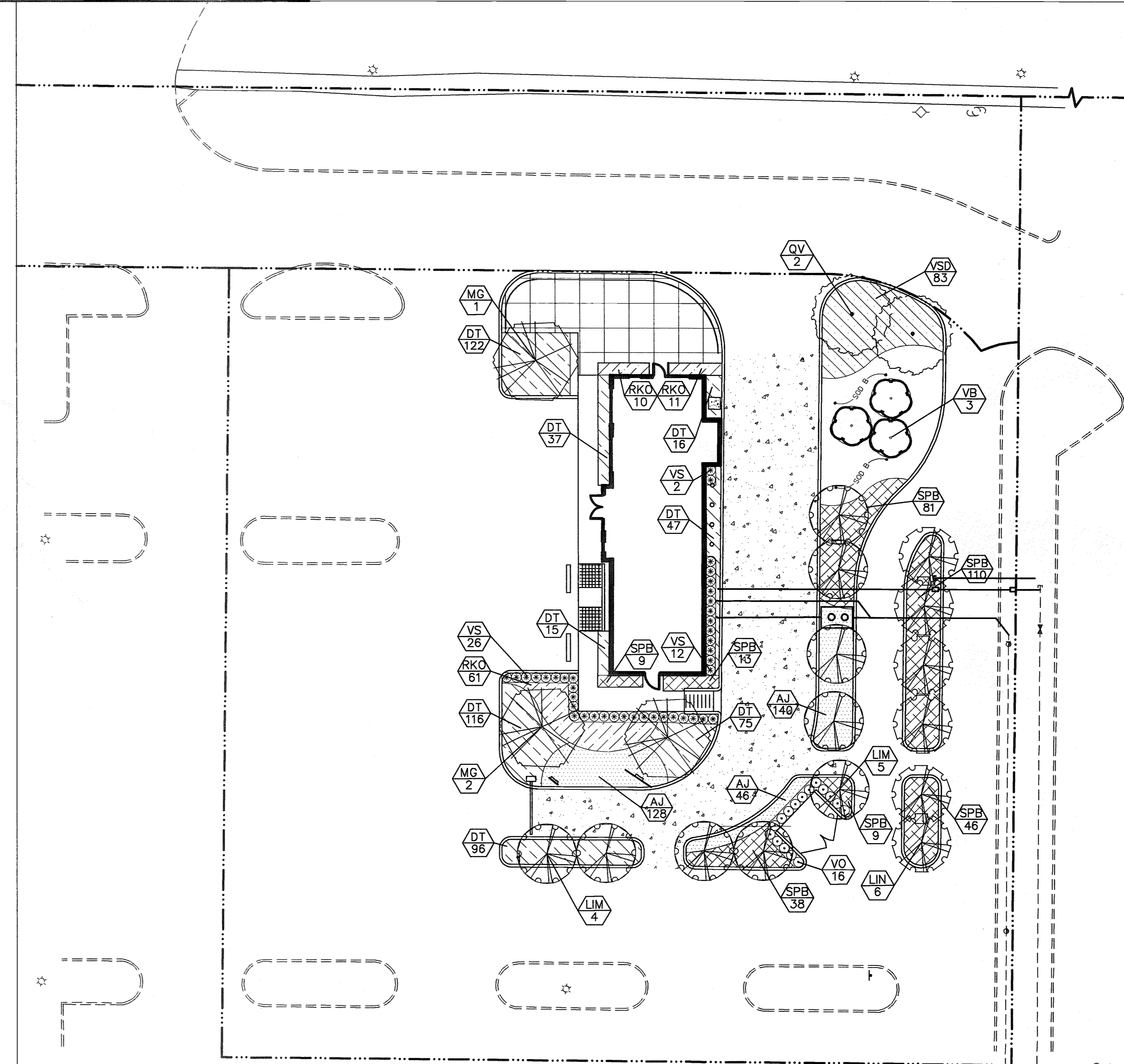
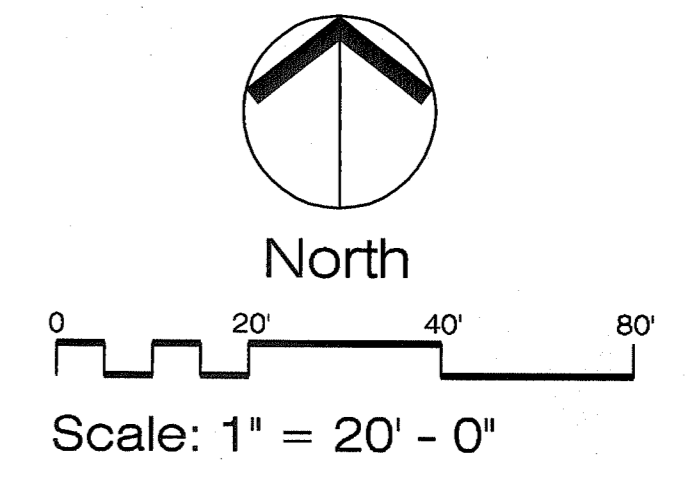
NOTE:
A MINIMUM 5 FT. SEPARATION IS REQUIRED BETWEEN UTILITIES AND TREES WITH INVASIVE ROOT SYSTEMS.

Call 2 full business days before you dig

It's the law!

(800) 432-4770

www.callsunshine.com



| Water Zone | Quantity | SYMBOL | BOTANICAL NAME | COMMON NAME | SPECIFICATIONS |
|------------|----------|--------|---|--------------------------------|---|
| Medium | 314 | AJ | Trachelospermum asiaticum 'Minima' | Dwarf Asian Jasmine | min. 1 gal. full pot, 18" o.c. |
| Medium | 524 | DT | Diarelia Tasmanica | Blueberry Flax Lily | min. 1 gal., 12" ht. full, 18" o.c. |
| Low | 9 | LIM | Lagerstroemia indica 'Muskogee' | Crape Myrtle, Light Lavendar | min. 30 gal., 8' spd. X 6' spd, multi-trunk |
| Low | 6 | LIN | Lagerstroemia indica 'Natchez' | Crape Myrtle, White | min. 30 gal., 8' spd. X 6' spd, multi-trunk |
| Low | 3 | MG | Magnolia Grandiflora 'DD Blanchard' | Southern Magnolia | min. 65 gal., 12' ht. x 8' spd., 3" cal. |
| Medium | 2 | QV | Quercus Virginiana | Live Oak | min. 65 gal., 12' ht. x 8' spd., 3" cal. |
| Medium | 82 | RKO | Rosa 'Knock Out' | Knock Out Rose | min. 3 gal., 24" ht. x 24" spd. |
| Low | 305 | SPB | Spartina Bakeri | Cord Grass | min. 1 gal., 24" overall height, 24" o.c. |
| Low | 3 | VB | Viburnum Obovatum | Walter's Viburnum | min. 15 gal., 6" x 4" |
| Low | 16 | VO | Viburnum Odonatissimum | Sweet Viburnum | min. 7 gal., 36" ht. x 24" spd. 30" o.c. |
| Low | 40 | VS | Viburnum Suspensum | Sandakwa Viburnum | min. 7 gal., 30" ht. x 24" spd. 30" o.c. |
| Low | 83 | VSD | Viburnum Obovatum 'Mrs. Shillers Delight' | Mrs. Shillers Delight Viburnum | min. 3 gal., 18" ht. x 18" spd., 30" o.c. |
| Low | TBD | SOD B | Bahia Sod | Bahia Sod | solid sod |

84016-8

RECEIVED

DEC 21 2006

PDS
ALTAMONTE AVG. QTR.

| | | |
|------------------------------|------------------|--|
| SCALE: 1" = 20' | DATE: NOV. 2006 | ISSUED FOR: <input checked="" type="checkbox"/> PERMITTING |
| DRAWN BY: JC | PROJ. # 2078-016 | <input type="checkbox"/> FINAL |
| PROJ. MANAGER: SCG | DATE: NOV. 2006 | <input type="checkbox"/> CONSTRUCTION |
| PER CITY OF CLERMONT COMMENT | NO. DATE | <input type="checkbox"/> RECORD DWG |

THESE PLANS MAY NOT BE COPIED AND/OR MODIFIED WITHOUT WRITTEN PERMISSION FROM AVID GROUP. © COPYRIGHT 2006. DECEMBER 20, 2006

JAMES GERACE, P.E., LIC. LA0001266
NOT VALID UNLESS SIGNED & EMBOSSED BY A PROFESSIONAL ENGINEER
CERTIFICATE OF AUTHORIZATION No. 6189

BURKE, HOGUE & MILLS ASSOCIATES, INC.

CIVIL ENGINEERING 4901 VINELAND ROAD, STE. 190
LAND PLANNING ORLANDO, FLORIDA 32811
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL SCIENCES PHONE (407) 248-0505
SURVEYING FAX (407) 248-0334
GIS AVID@BURKE.COM

AVID

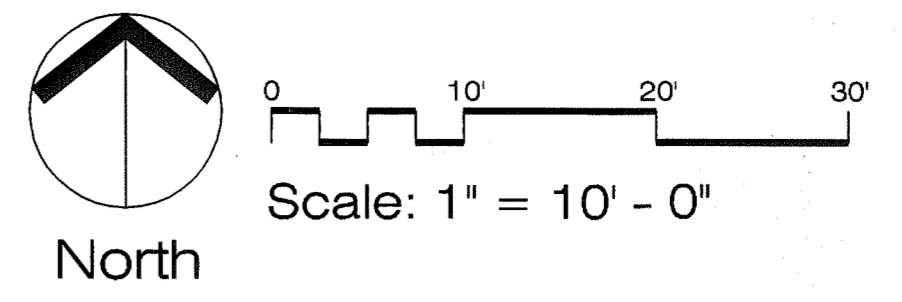
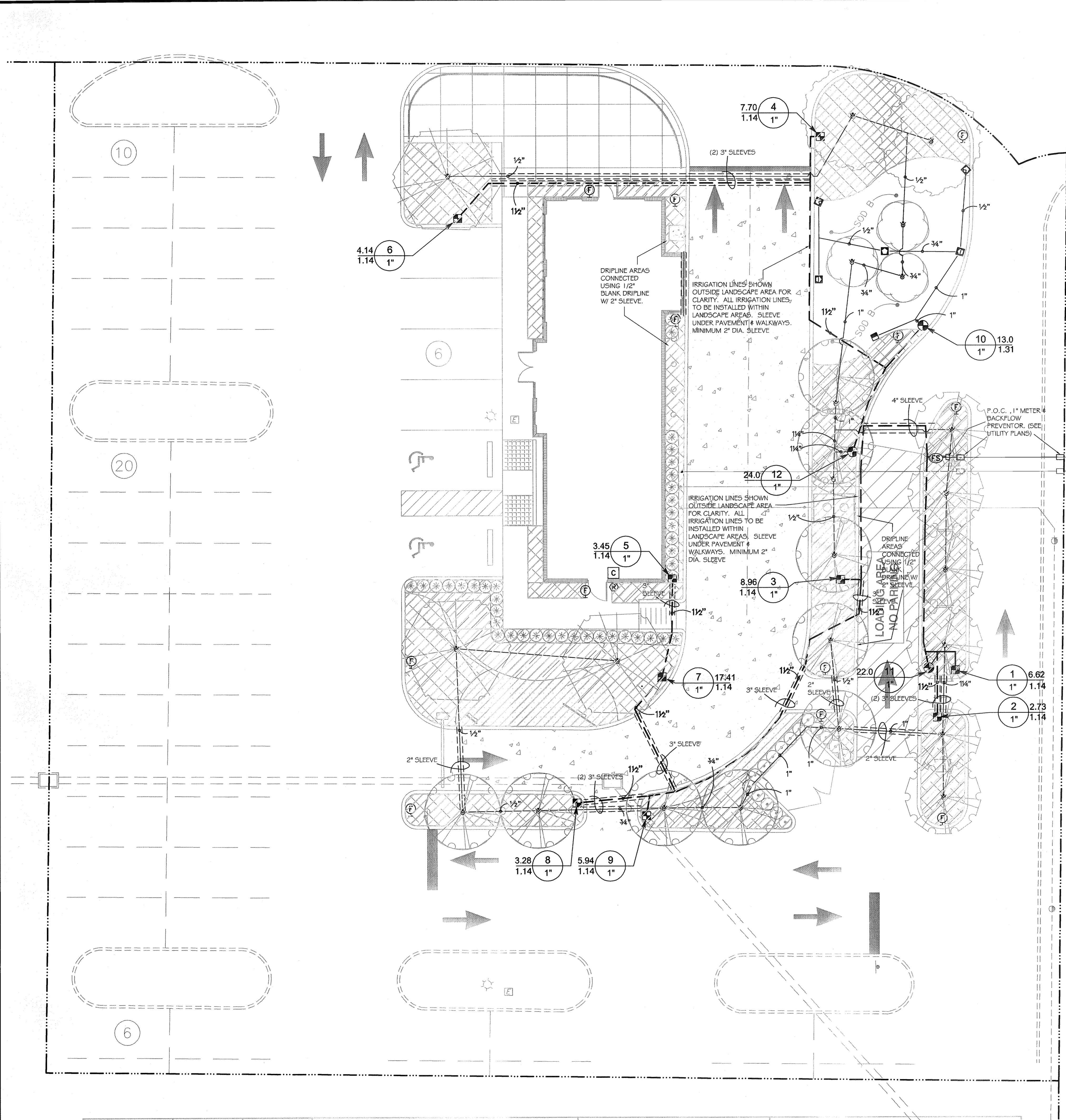
STARBUCKS - S.R. 50

CITY OF CLERMONT, FLORIDA

LANDSCAPE PLAN & DETAILS

LS1

2078016 BMP
2078016 LUL
2078016 TBE



48 HOURS BEFORE YOU DIG
CALL SUNSHINE
1-800-432-4770
IT'S THE LAW IN FLORIDA
FL STATUTE 553.851 (1979) REQUIRES
MIN. OF 2 DAYS AND MAX. OF 5 DAYS
NOTICE BEFORE YOU EXCAVATE.
FDOT MAINTENANCE YARD TO BE
CONTACTED 72 HOURS PRIOR TO
BEGINNING CONSTRUCTION.

IRRIGATION SCHEDULE

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY |
|--------|--|------------|
| Q H F | Hunter PROS-06-CV 15" radius Turf Spray, 6" popup, with check valve | 7 |
| Q H F | Hunter PROS-06-CV 17" radius Turf Spray, 6" popup, with check valve | 13 |
| AFB | Hunter AFB Adjustable Flow Bubbler, 1/2" FIPT, stainless steel screw adjustment. | 23 |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY |
| ■ | Hunter ICZ-101 Institutional Control Zone Kit, 1" control zone valve with 1" HY100 Wye filter and 25 PSI high-flow regulator. | 9 |
| F | Netafim TL50V Manual flush valve | 9 |
| ▨ | Area to Receive Dripline Netafim TLCV9-12 Landscape Dripline with 0.9 gph emitters at 12" o.c. with check valve. See details and notes for general guidelines, max. length of single lateral and flow per 100 feet. | 4,015 s.f. |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY |
| ⊕ | Hunter PGV-100A-AS Electric Remote Control Valve, 1" plastic, with angle valve, Accu-Set pressure regulator. | 3 |
| C | Hunter ICC-2000-PL Electromechanical Controller, 20 stations, outdoor model, with plastic cabinet | 1 |
| R | Hunter RAIN-CLIK Rain Sensor, with conduit installation, mount as noted | 1 |
| P.O.C. | 1" Meter; See Utilities Plan | 1 |
| --- | Irrigation Lateral Line: PVC Class 200 Only lateral transition pipe sizes 3/4" and above are indicated on the plan, with all others being 1/2" in size. | 693 l.f. |
| --- | Irrigation Mainline: PVC Schedule 40 | 408 l.f. |
| --- | Pipe Sleeve: PVC Schedule 40 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall be 2X pipe size # allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 18 inches beyond edges of paving or construction. | 259 l.f. |
| # | Valve Callout | |
| # | Valve Number | |
| # | Valve GPM | |
| # | Application Rate | |
| # | Valve Size | |

| Valve Number | Type of Irrigation | Total GPM | Area to be Irrigated (Sq.Ft.) | Application rate (in/hr) | Water Schedule | | |
|--------------|--------------------|-----------|-------------------------------|--------------------------|----------------|-----------------|-----------------|
| | | | | | Days per Week | Duration (min.) | Gallons Applied |
| 1 | Dripline | 6.62 | 441.47 | 1.4 | 2 | 40 | 1.0 |
| 2 | Dripline | 2.73 | 181.80 | 1.4 | 2 | 40 | 1.0 |
| 3 | Dripline | 8.96 | 597.62 | 1.4 | 2 | 40 | 1.0 |
| 4 | Dripline | 7.70 | 513.48 | 1.4 | 2 | 40 | 1.0 |
| 5 | Dripline | 3.45 | 230.25 | 1.4 | 2 | 40 | 1.0 |
| 6 | Dripline | 4.14 | 276.11 | 1.4 | 2 | 40 | 1.0 |
| 8 | Dripline | 3.28 | 218.46 | 1.4 | 2 | 40 | 1.0 |
| 9 | Dripline | 5.94 | 395.99 | 1.4 | 2 | 40 | 1.0 |
| 7 | Dripline | 17.41 | 1310.55 | 1.4 | 2 | 40 | 1.0 |
| 10 | Spray | 13.00 | 953.78 | 1.3 | 2 | 45 | 1.0 |
| 11 | Tree Bubbler | 22.00 | See Plans | 1.0 | 2 | 60 | 1.0 |
| 12 | Tree Bubbler | 24.00 | See Plans | 1.0 | 2 | 60 | 1.0 |

Estimated total run time: 5.42 hrs.

STARBUCKS - S.R. 50
CITY OF CLERMONT, FLORIDA
IRRIGATION PLAN

BURKE, HOGUE & MILLS ASSOCIATES, INC.
4901 WINDLAND ROAD, STE 190
WINDLAND, FLORIDA 32811
TRAFFIC/TRANSPORTATION
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL SCIENCES
SURVEYING
GIS
AVD

PROJ. MANAGER: SCG
PROJ. #.: 2078-016
DATE: NOV. 2006

1. 12/1/06 PER CITY OF CLERMONT COMMENT
NO. DATE DESCRIPTION BY

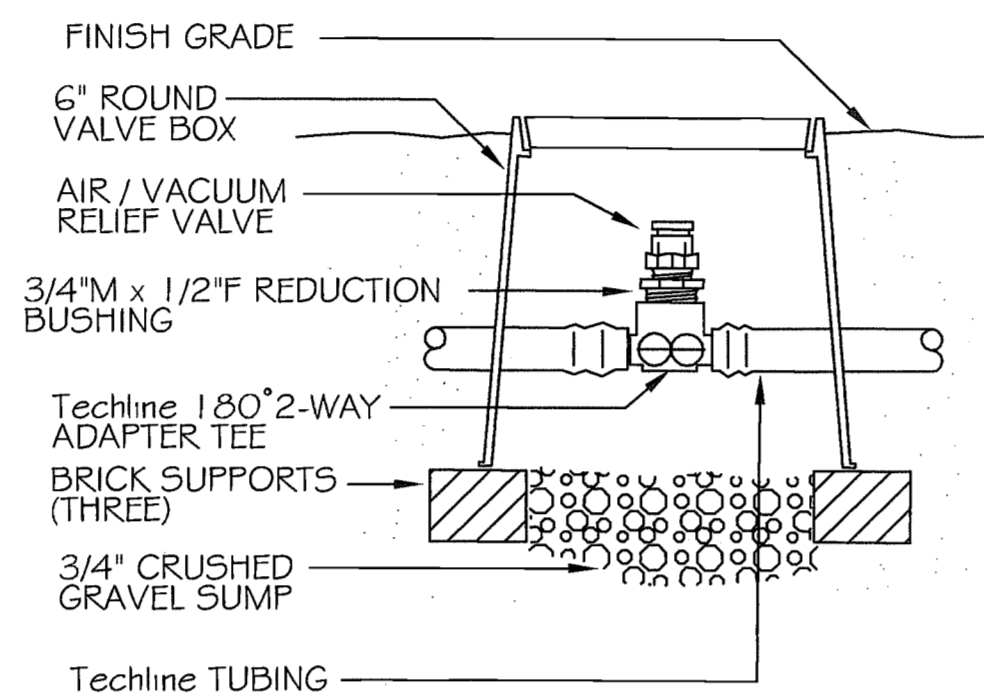
SCALE: 1" = 10'
DRAWN BY: SS
ISSUED FOR: PERMITTING PRELIMINARY CONSTRUCTION RECORD DWG

RECEIVED
84018-8
DEC 21 2006
PDS
ALTAMONTE SVC. CTR.

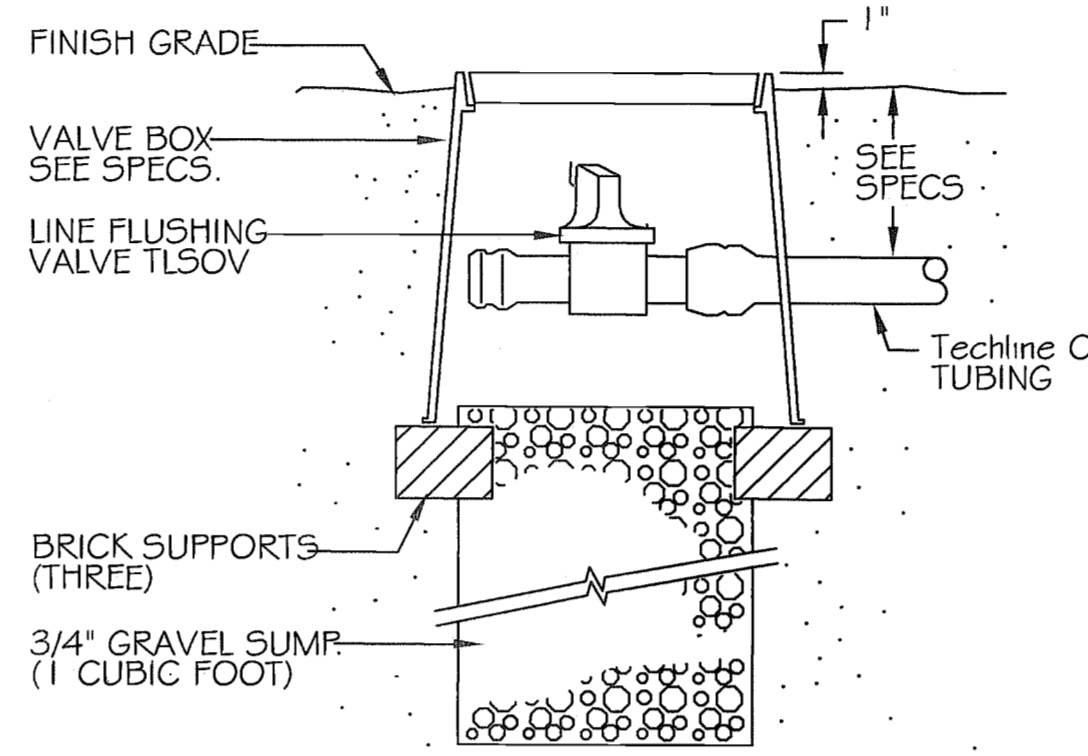
IR1

Dripline Specific Notes:

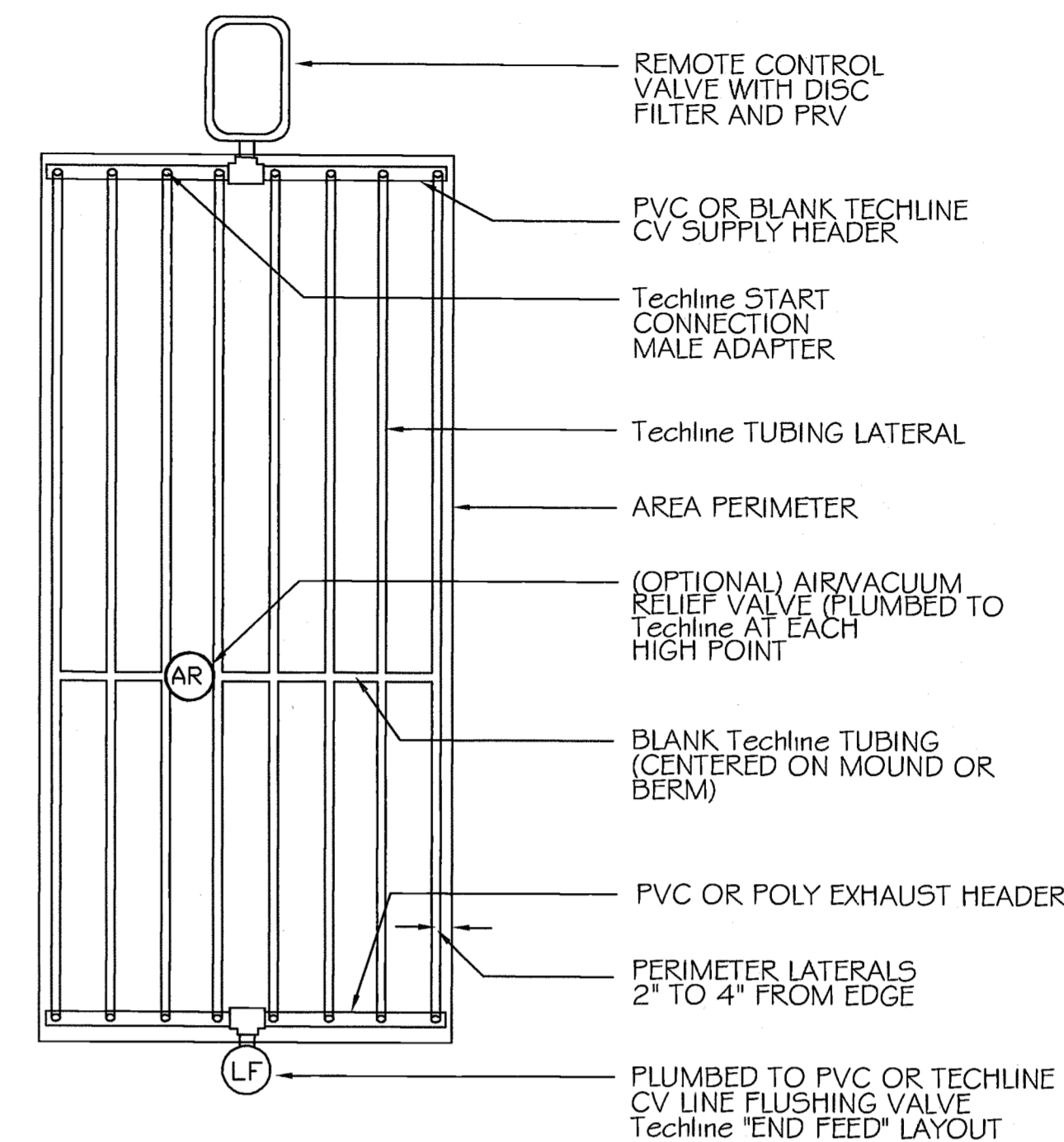
1. Grid layout shall be used in this project. Use center grid layout where possible. (See detail)
2. When Dripline sleeved, use blank dripline in sleeve. Sleeve size shall be 2X dia. of dripline. No emitter dripline shall be placed in sleeve.
3. The length of any Netafim lateral shall not be greater than 194'.
4. Manual line flushing valve (TISOV) shall used & placed in a 6" x 6" sump. Valves shall be opened every water day for 2 weeks and then a min. of 2 times a year to clear dripline of debris. (See detail IR3)
5. Air/vacuum relief valve shall be installed when change of slope occurs 3% or greater.
6. Staples shall be used at 3' O.C. and 2 staples "x"ed" over each other with any change in direction, elbows, or crosses.
7. Supply, exhaust headers and dripline shall be placed 2" - 4" from landscapes, planting areas, and pavement edges.
8. Techline CV blank tubing shall be used for supply and exhaust headers.
9. Prior to covering dripline, dripline circuit will be pressurized and tested for proper operation.
10. Netafim laterals shall be laid in the longest run, whether it be the width or length in the zone.



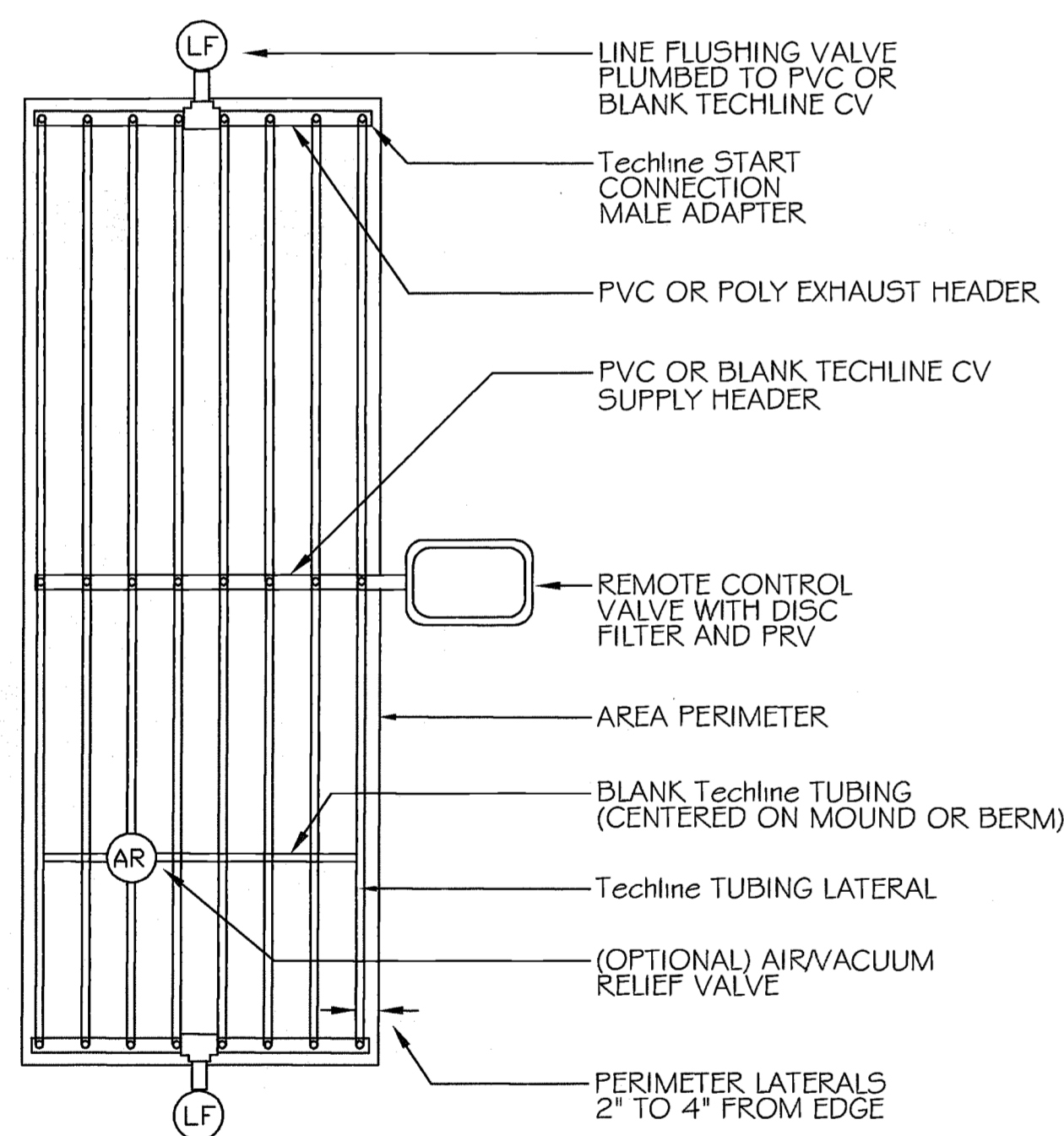
A Techline AIR/VACUUM RELIEF (PLUMBED TO Techline) SECTION - NO SCALE



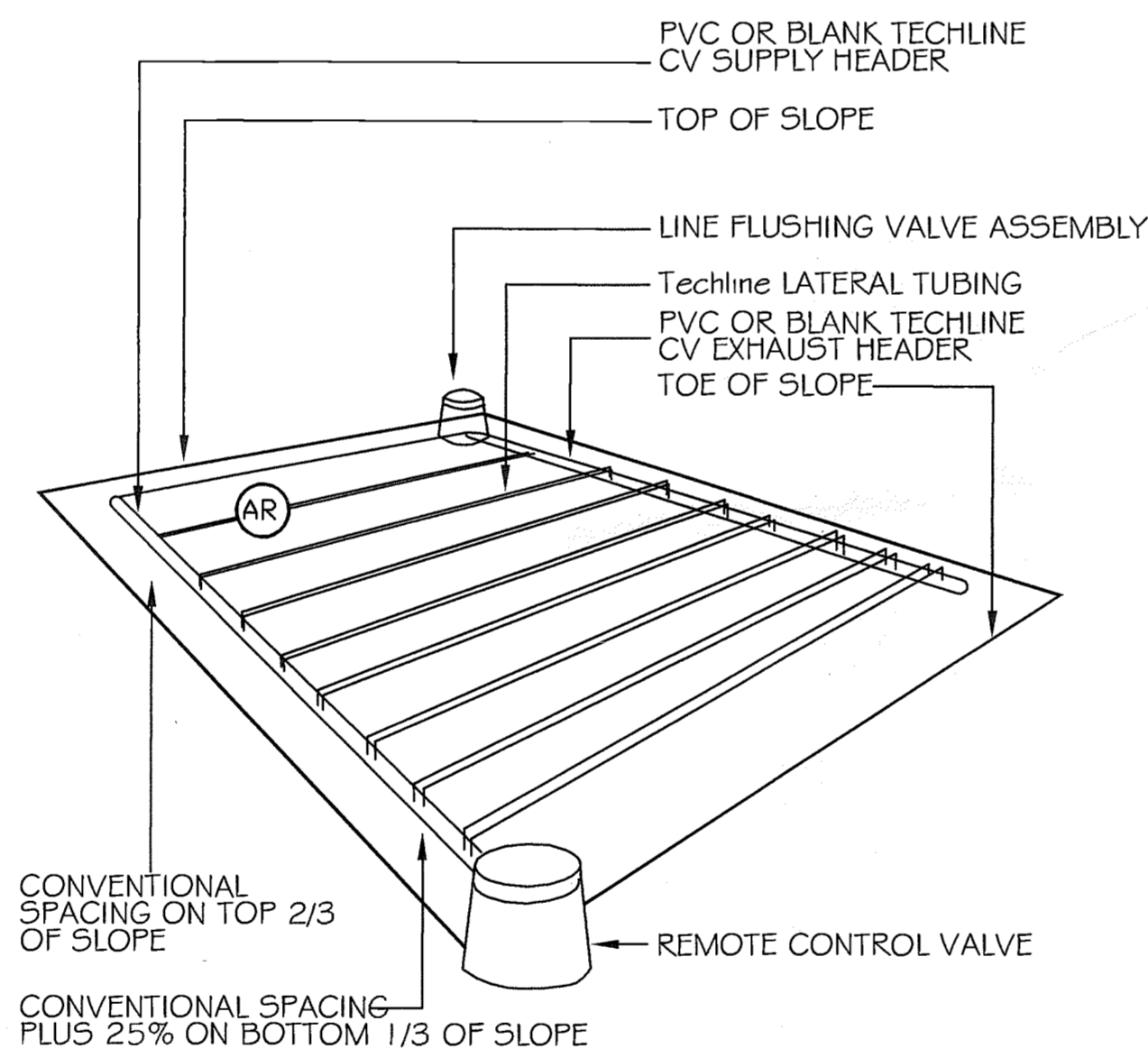
B MANUAL LINE FLUSHING VALVE TISOV PLUMBED TO TUBING SECTION - NO SCALE



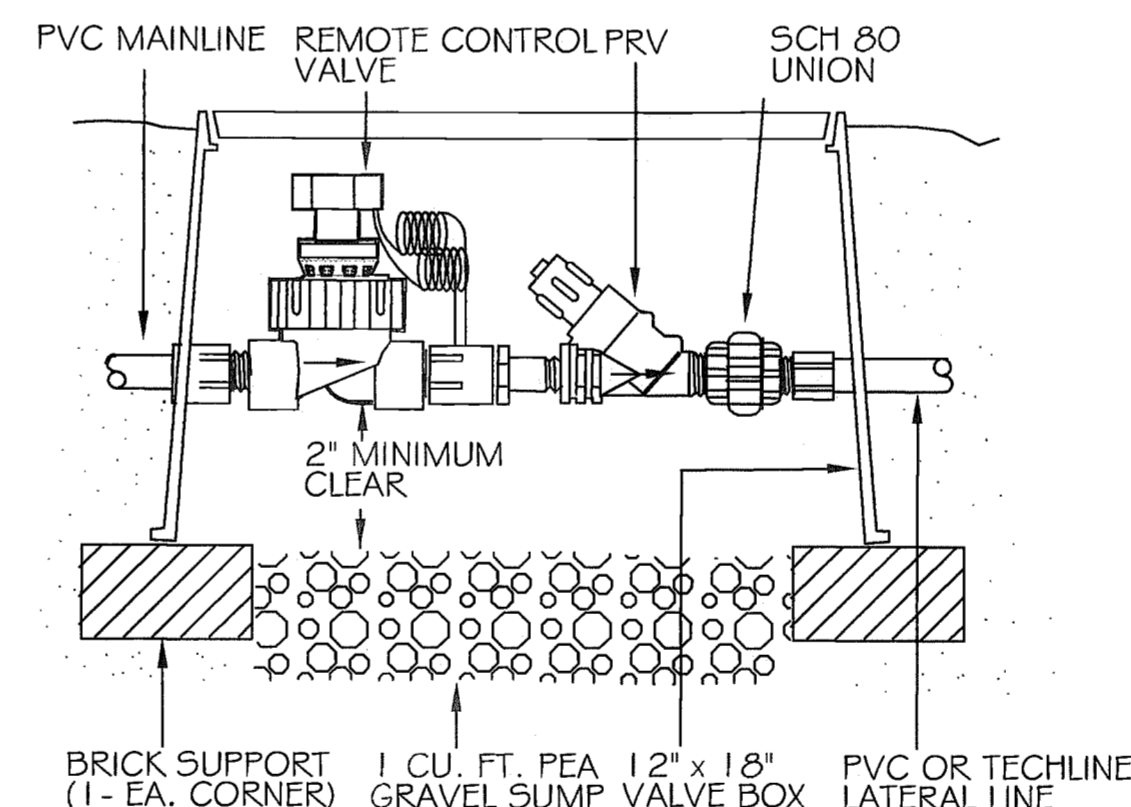
C Techline END FEED LAYOUT DETAIL - NO SCALE



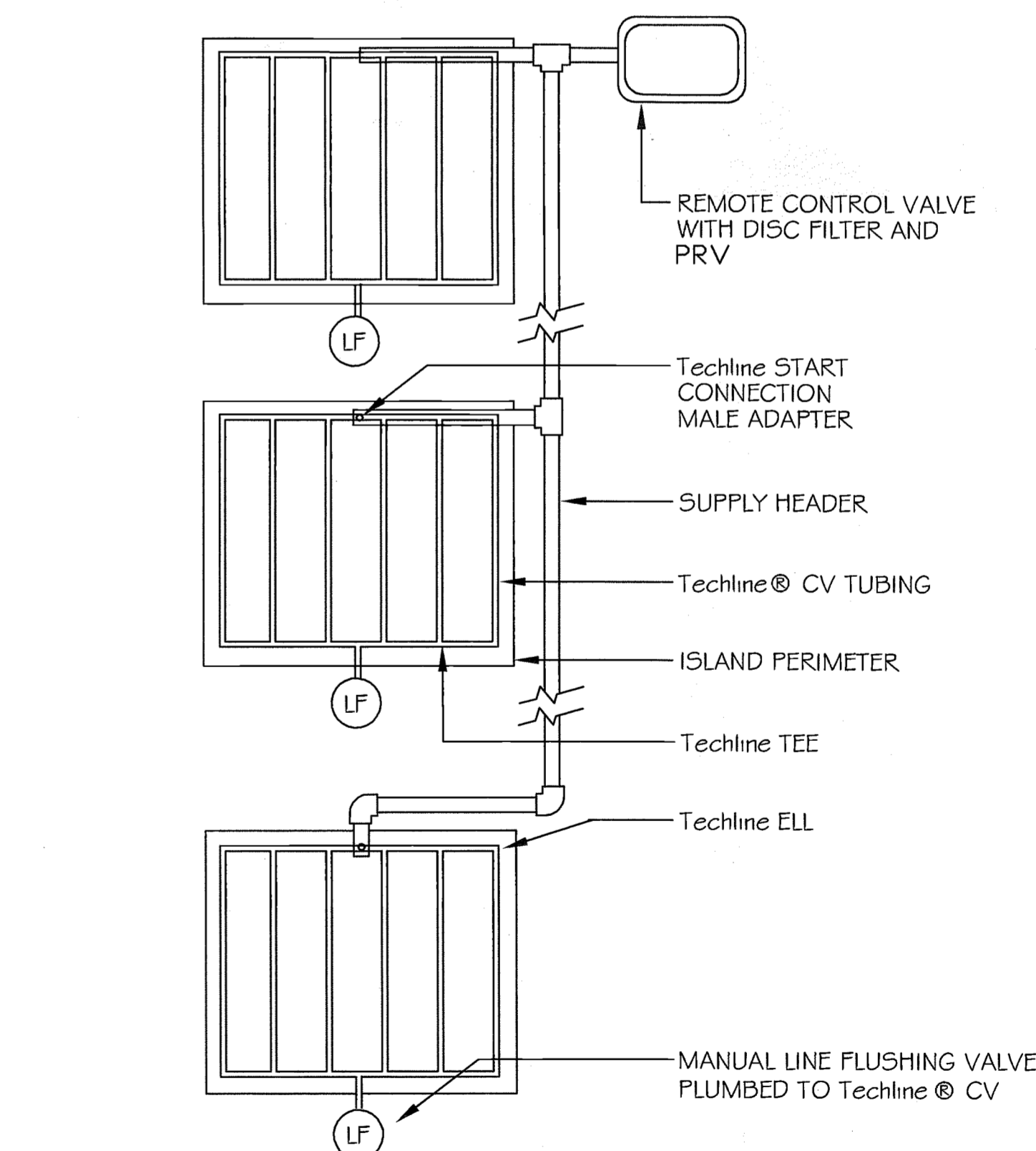
D Techline CENTER FEED LAYOUT DETAIL - NO SCALE



E Techline CV SLOPE FEED LAYOUT DETAIL - NO SCALE



F REMOTE CONTROL VALVE W/ 1" PRV SECTION - NO SCALE



G Techline CV ISLAND LAYOUT DETAIL - NO SCALE

| | | | |
|-----|---------|------------------------------|----|
| NO. | DATE | PER CITY OF CLERMONT COMMENT | BY |
| 1. | 12/1/06 | | |

| | |
|---------------|--------------|
| SCALE | 1" = 10' |
| DRAWN BY | SS |
| PROJ. MANAGER | SCG |
| PROJ. # | 2078-016 |
| DATE | NOV. 2006 |
| ISSUED FOR: | PERMITTING |
| | PRELIMINARY |
| | CONSTRUCTION |
| | RECORD DWG |

THESE PLANS MAY NOT BE COPIED AND/OR REPRODUCED WITHOUT THE WRITTEN PERMISSION FROM AVID GROUP. © COPYRIGHT 2006.

DECEMBER 20, 2006

JAMES CERACE, FL LIC# LA0001968
NOT VALID UNLESS SIGNED & EMBOSSSED BY A REGISTERED PROFESSIONAL SURVEYOR
CERTIFICATE OF AUTHORIZATION NO. 6189

ISSUED FOR: PERMITTING

BURKE, HOGUE & MILLS ASSOCIATES, INC.
CIVIL ENGINEERING 4801 VINELAND ROAD, STE 190
LAND PLANNING ORLANDO, FLORIDA 32811
TRAFFIC/TRANSPORTATION
LANDSCAPE ARCHITECTURE PHONE (407) 248-0605
ENVIRONMENTAL SCIENCES FAX (407) 244-0324
SURVEYING US AVID@AVIDGROUP.COM

STARBUCKS - S.R. 50
CITY OF CLERMONT, FLORIDA
IRRIGATION NOTES & DETAILS

84016-8
RECEIVED
DEC 21 2006
PDS
ALFAMONTE SVG. CTR

SHEET
IR2

GENERAL NOTES

- THE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL BE EXPECTED TO MAKE THOSE MODIFICATIONS NECESSARY IN THE FIELD TO REACT TO ACTUAL FIELD CONDITIONS, WITHOUT DEPARTURE FROM THE DESIGN CONCEPTS OR INTENT.
- ALL WORK SHALL CONFORM TO ANY AND ALL APPLICABLE REGULATIONS AND CODES FOR THE LOCATION OF THE WORK. THE INSTALLER SHALL OBTAIN ANY NECESSARY LOCATES, PERMITS AND INSPECTIONS.
- ALL WORK SHALL BE CLOSELY COORDINATED WITH THAT OF OTHER TRADES, IN ORDER TO AVOID CONFLICTS. REFER TO LANDSCAPE AND UTILITIES PLANS WHEN TRENCHING TO AVOID TREES, SHRUBS AND UNDER GROUND UTILITIES.
- ALL MATERIAL AND LABOR REQUIRED TO PROVIDE A COMPLETE, OPERATIONAL AND FULLY GUARANTEED SYSTEM SHALL BE CONSIDERED PART OF THE WORK, WHETHER OR NOT THEY ARE SPECIFICALLY INDICATED IN THE DOCUMENTS.
- THE CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING ON A REPRODUCIBLE PAPER (SEPIA OR MYLAR) SHOWING ALL IRRIGATION INSTALLATION. A MYLAR OR SEPIA OF THE ORIGINAL PLAN MAYBE OBTAINED FROM THE LANDSCAPE ARCHITECT FOR A FEE. THE DRAWING SHALL LOCATE ALL MAINLINE AND VALVES BY SHOWN EXACT MEASUREMENTS FROM HARD SURFACES. PLEASE SHOW WIRE DIRECTION.
- ALL HEADS SHALL BE OF THE PROPER TYPE FOR THE AREAS WHERE LOCATED, AND SHALL BE INSTALLED PLUMB AND WITH THE PROPER HEIGHT. ALL HEADS AND OTHER EQUIPMENT SHALL BE INSTALLED WITH ADEQUATE AND UNIFORM CLEARANCE FROM ALL HARD-SCAPING, TO MINIMIZE WATER OVER SPRAY ON IMPERVIOUS AREAS.
- CONTROL WIRING SHALL BE ROUTED WITH THE MAINLINE WHEREVER POSSIBLE. LOW-VOLTAGE WIRING SHALL BE UF#14 PVC JACKETED, SINGLE CONDUCTOR CABLE. USE RED WIRES FOR "HOT" AND WHITE FOR VALVE COMMON. WIRES SHALL BE INSTALLED WITH ADEQUATE SLACK AND SURGE/EXPANSION LOOPS, AND SHALL BE SPLICED ONLY IN VALVE BOXES, USING SPEARS "DISPLICE" WIRE CONNECTORS AND SEALANT.
- ALL PIPING AND WIRE PASSING UNDER PAVED AND WALKWAY AREAS SHALL BE SLEEVED WITH SCH 40 PVC PIPE, SIZED A MINIMUM OF TWO NOMINAL SIZES LARGER THAN CONTAINED PIPE (MINIMUM 2" SLEEVE).
- ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE A LANDSCAPE AREA IS SHOWN THERE FOR CLARITY ONLY. ALL LINES SHALL BE INSTALLED ON THE PROPERTY AND INSIDE THE LANDSCAPE AREAS.
- THE INSTALLER SHALL BE EXPECTED TO BE FAMILIAR WITH AND FOLLOW THE INSTRUCTIONS CONTAINED HEREIN, ON THE DRAWINGS, IN THE CONSTRUCTION DETAILS, AND IN THE WRITTEN SPECIFICATIONS. SHOULD A CONFLICT BE DISCOVERED WITHIN THE DOCUMENTS, HE SHALL IMMEDIATELY NOTIFY THE PROJECT MANAGER AND REQUEST CLARIFICATION.
- THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL LOW VOLTAGE WIRING FROM THE CONTROL VALVE TO THE IRRIGATION CONTROLLER, IF SPARE WIRES ARE NOT AVAILABLE.
- THE IRRIGATION CONTRACTOR IS TO INSPECT, EVALUATE, AND REPAIR ANY DEFAULTS IN THE EXISTING IRRIGATION SYSTEM AND ITS EQUIPMENT.
- CONTROLLER(S) SHALL BE DIRECT WIRED TO HOUSE CIRCUIT OF 120 VOLTS. NO PLUG-IN POWER CONNECTIONS SHALL BE ALLOWED.
- CONTRACTOR AGREES THAT HE SHALL ASSUME COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION ON THE PROJECT INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONTRACTOR AGREES TO DEFEND AND INDEMNIFY AND HOLD OWNER AND DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.
- ALL VALVES TO HAVE SINGLE STATION ID-100 MODULES INSTALLED WITHIN VALVE BOX.

| Recommended Irrigation Schedule and Notes for New Tree Plantings * | | |
|--|---|----------------------------------|
| Size of Nursery Stock | Irrigation Schedule for Vigor | Irrigation Schedule for Survival |
| < 2 inch caliper | Daily for 2 weeks; every other day for 2 months; weekly until established | Twice weekly for 2 - 3 months |
| 2 - 4 inch caliper | Daily for 1 month; every other day for 3 months; weekly until established | Twice weekly for 3 - 4 months |
| > 4 inch caliper | Daily for 6 weeks; every other day for 5 months; weekly until established | Twice weekly for 4 - 5 months |

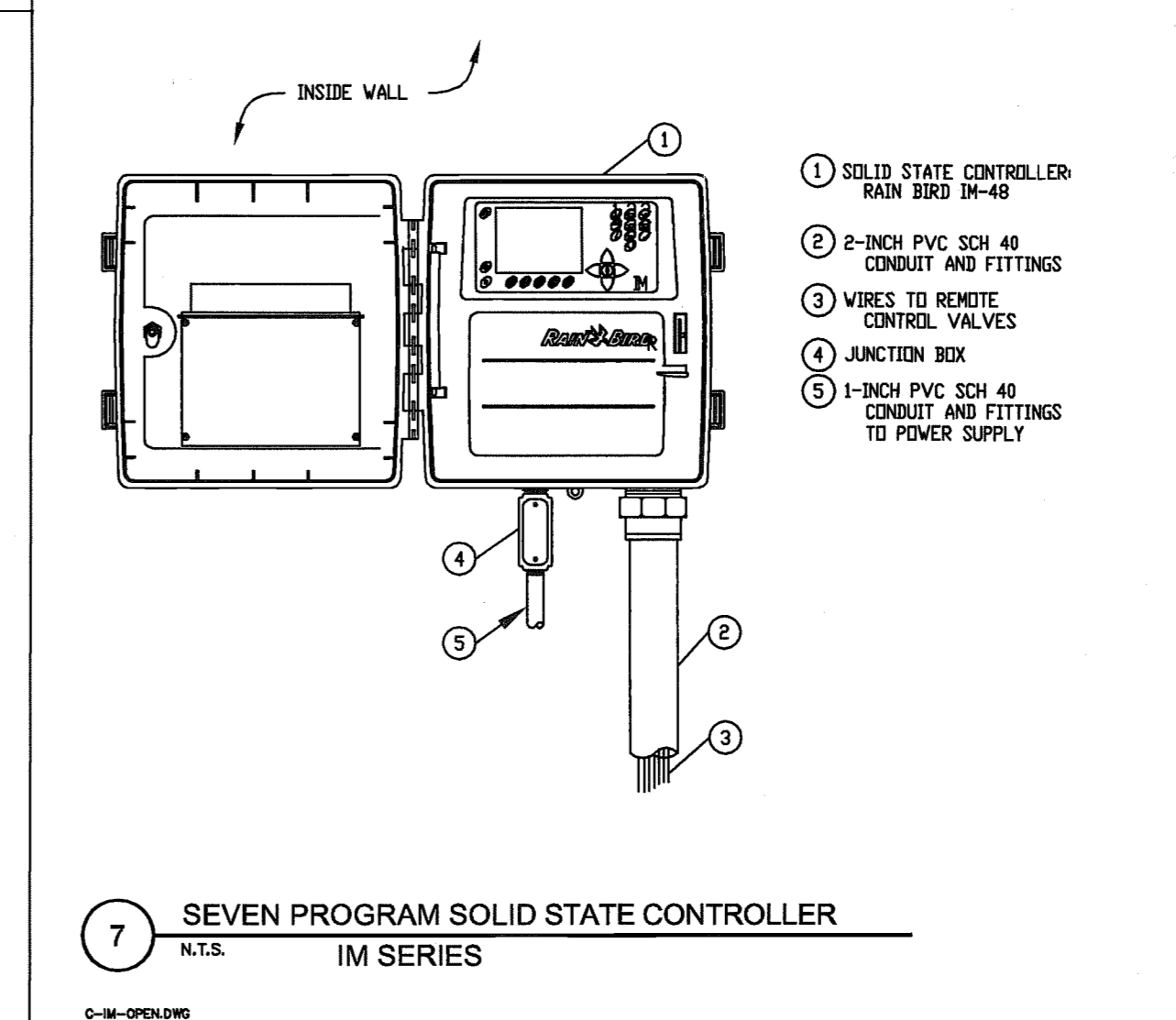
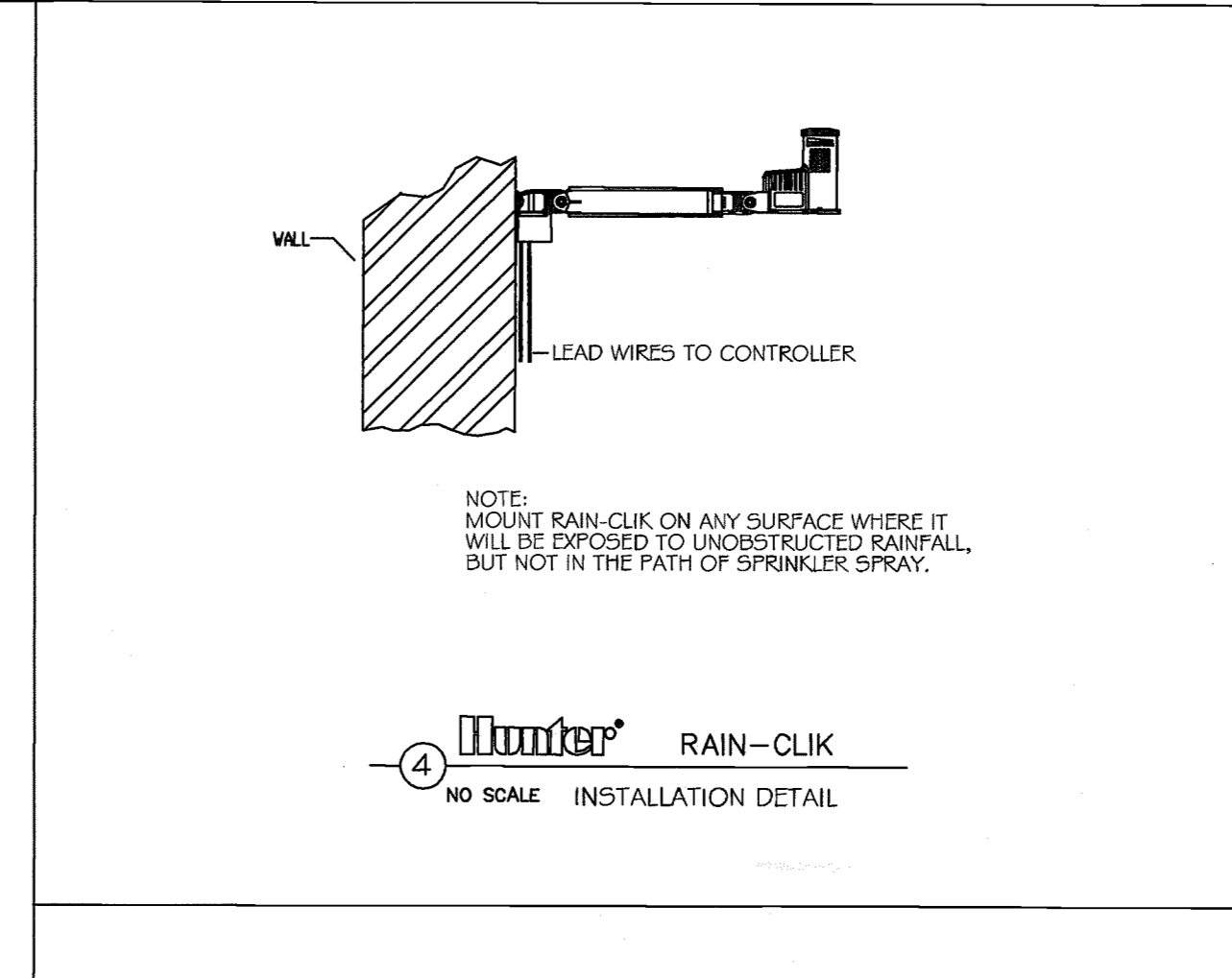
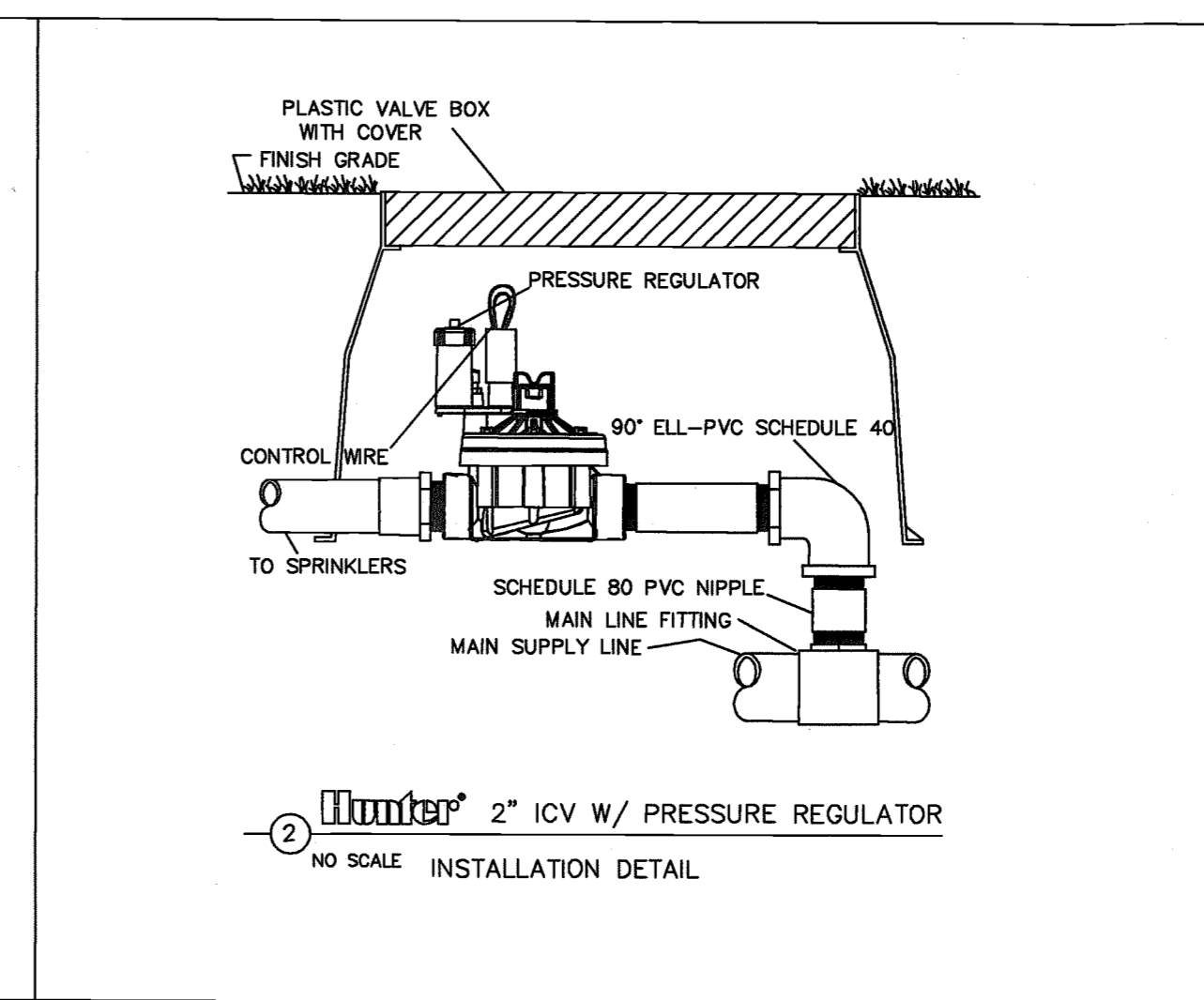
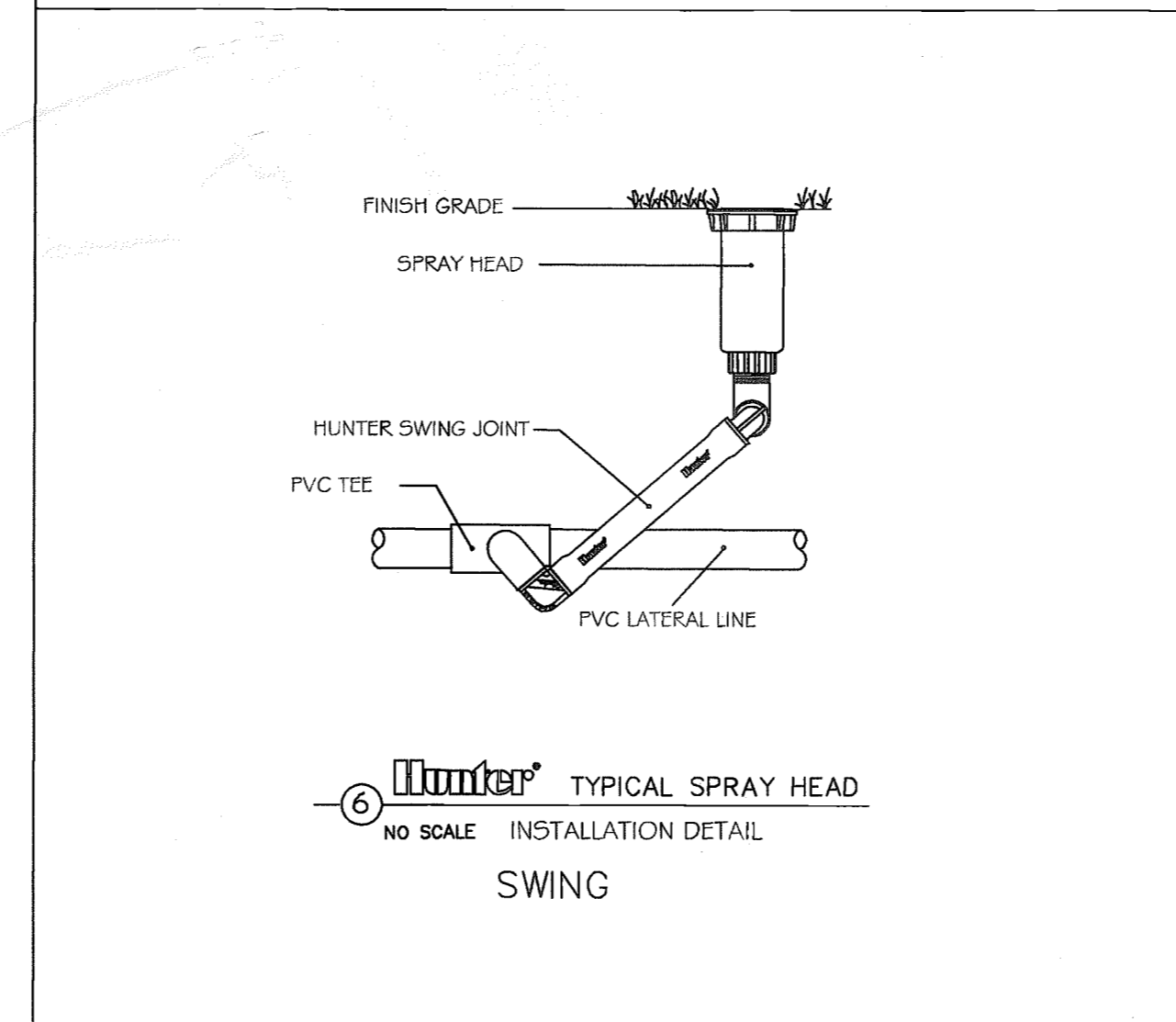
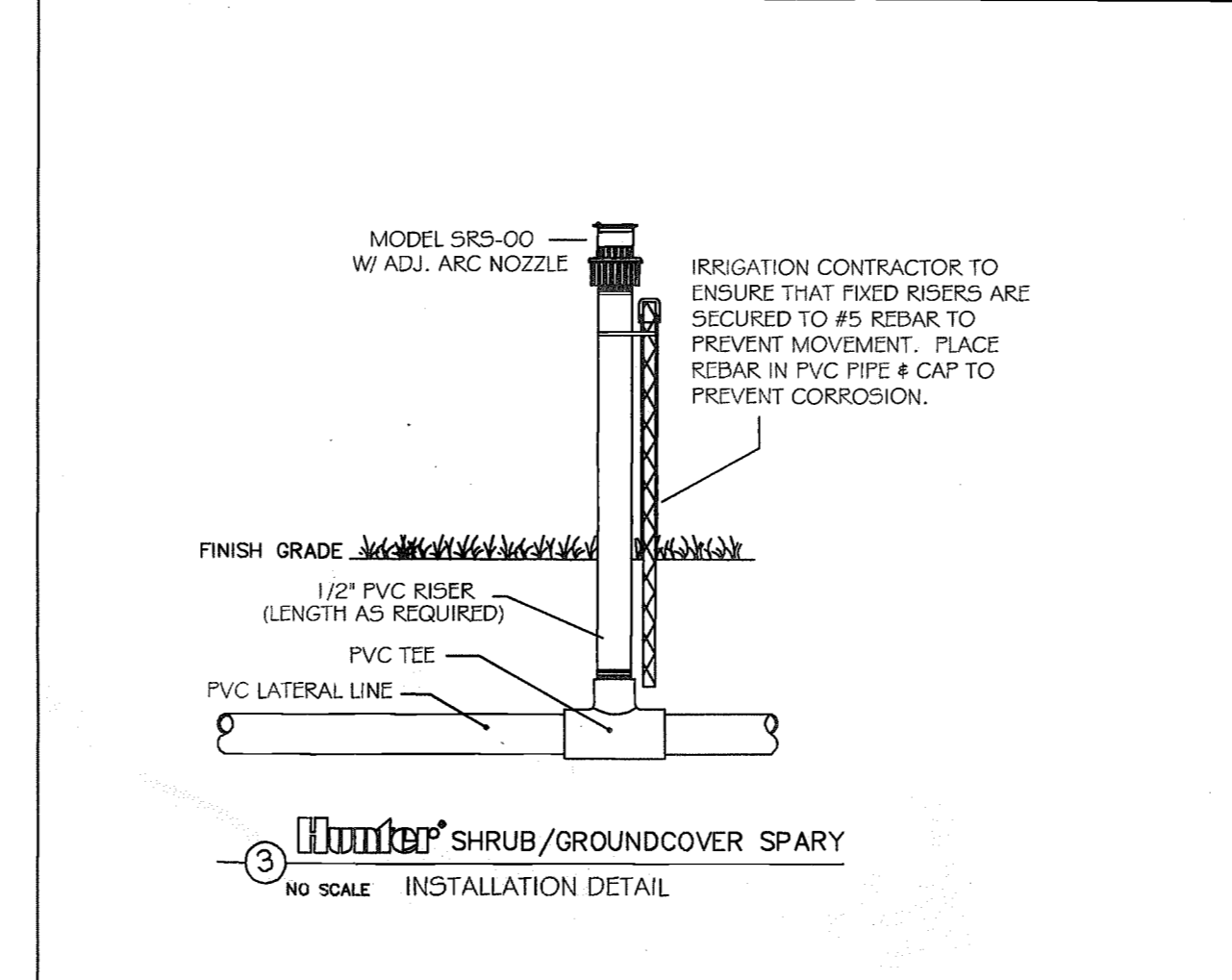
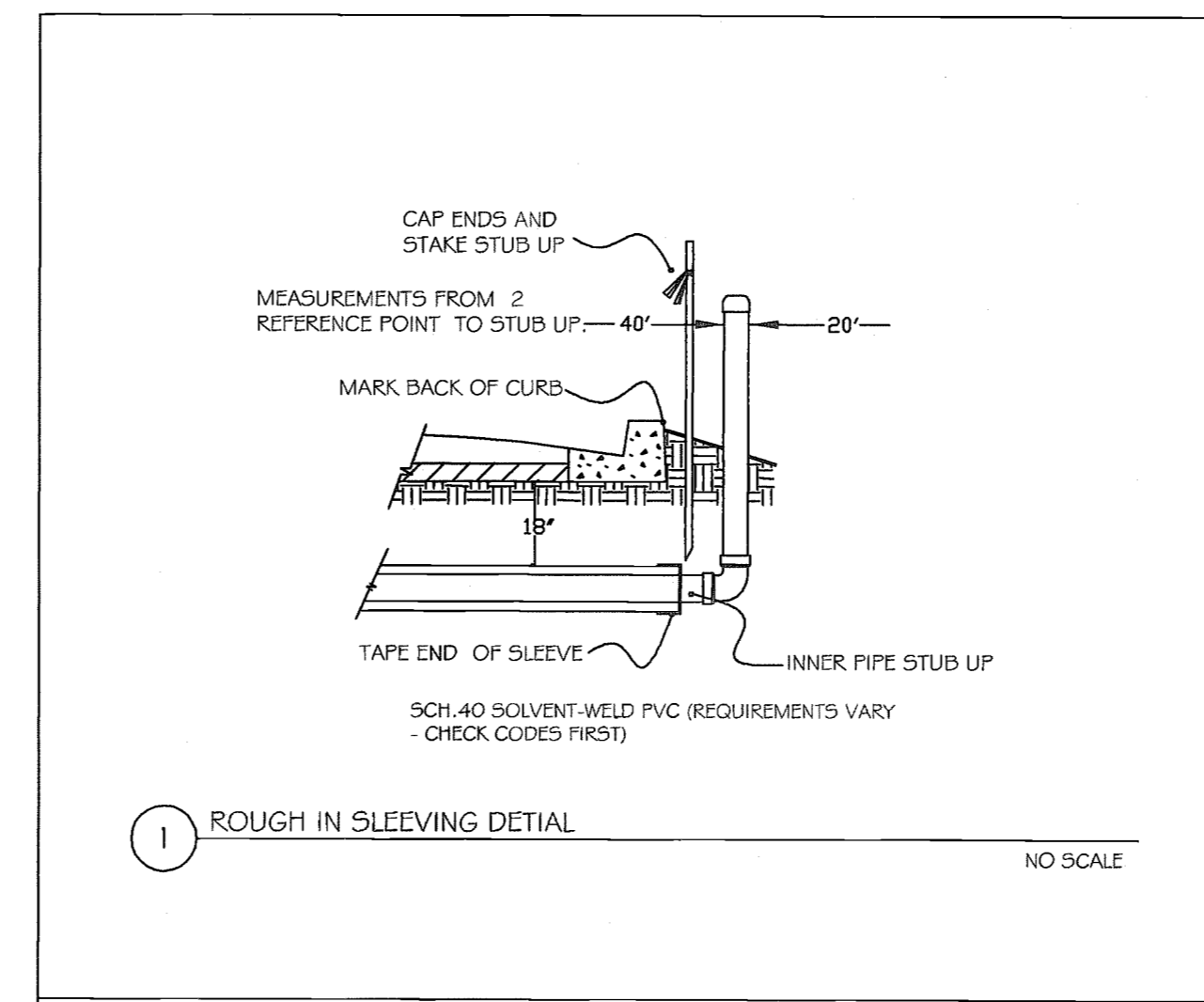
Notes:

- Delete daily irrigation when planting in winter. Irrigation frequency can be reduced slightly (e.g. 2 - 3 times each week instead of every other day) when planting hardened-off, field-grown trees that were root-pruned during production. Establishment takes 3 (hardiness zones 10 - 11) to 4 (hardiness zones 8 - 9) months per inch trunk caliper.
- Irrigation frequency can be reduced slightly (e.g. to once or twice each week) when planting hardened-off, field grown trees that were root-pruned during production.
- At each irrigation, apply 2 - 3 gallons per inch trunk caliper to the root ball. Apply it in a manner so all water soaks into the root ball. Do not water if root ball is wet/saturated on the irrigation day.

*(from "Typical Tree Bid Specifications for Florida" by the Florida Urban Forestry Council and Dr. Edward F. Gillman, University of Florida, Gainesville. Updated June 1999)

Disclaimer:

- The irrigation watering schedule provided on this plan is intended as a suggested general guideline for applying water to support the establishment of plants/trees only. It shall be the Contractor's responsibility to determine, provide and warrant specific water volume, water quality and watering frequency for all specific species of trees, shrubs, groundcovers and sod as identified on these plans.
- Watering schedule (i.e. time, duration, frequency of application) for automatic low-volume irrigation systems shall fully comply with all state and local jurisdictional rules, regulations, and requirements with regard to any watering restrictions which may be in place.
- Avid Design Studio or Avid Engineering shall not be held responsible for any damages resulting from compliance to or non-conformance by the Owner and/or Contractor of the project for the above "Recommended Irrigation Schedule and Notes".



BURKE, HOGUE & MILLS ASSOCIATES, INC.
 CIVIL ENGINEERING 4901 VINELAND ROAD, STE 190
 LAND PLANNING ORLANDO, FLORIDA 32811
 TRAFFIC/TRANSPORTATION
 LANDSCAPE ARCHITECTURE PHONE (407) 248-0505
 ENVIRONMENTAL SERVICES FAX (407) 248-0334
 SURVEYING FAX (407) 248-0334
 GIS AVID@BURKE.COM

AVID

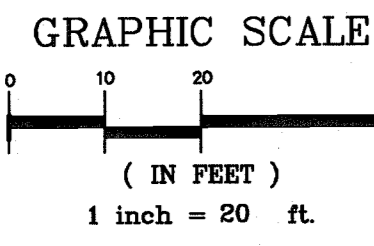
STARBUCKS - S.R. 50
CITY OF CLERMONT, FLORIDA
IRRIGATION NOTES & DETAILS

SHEET NO. **IR3**

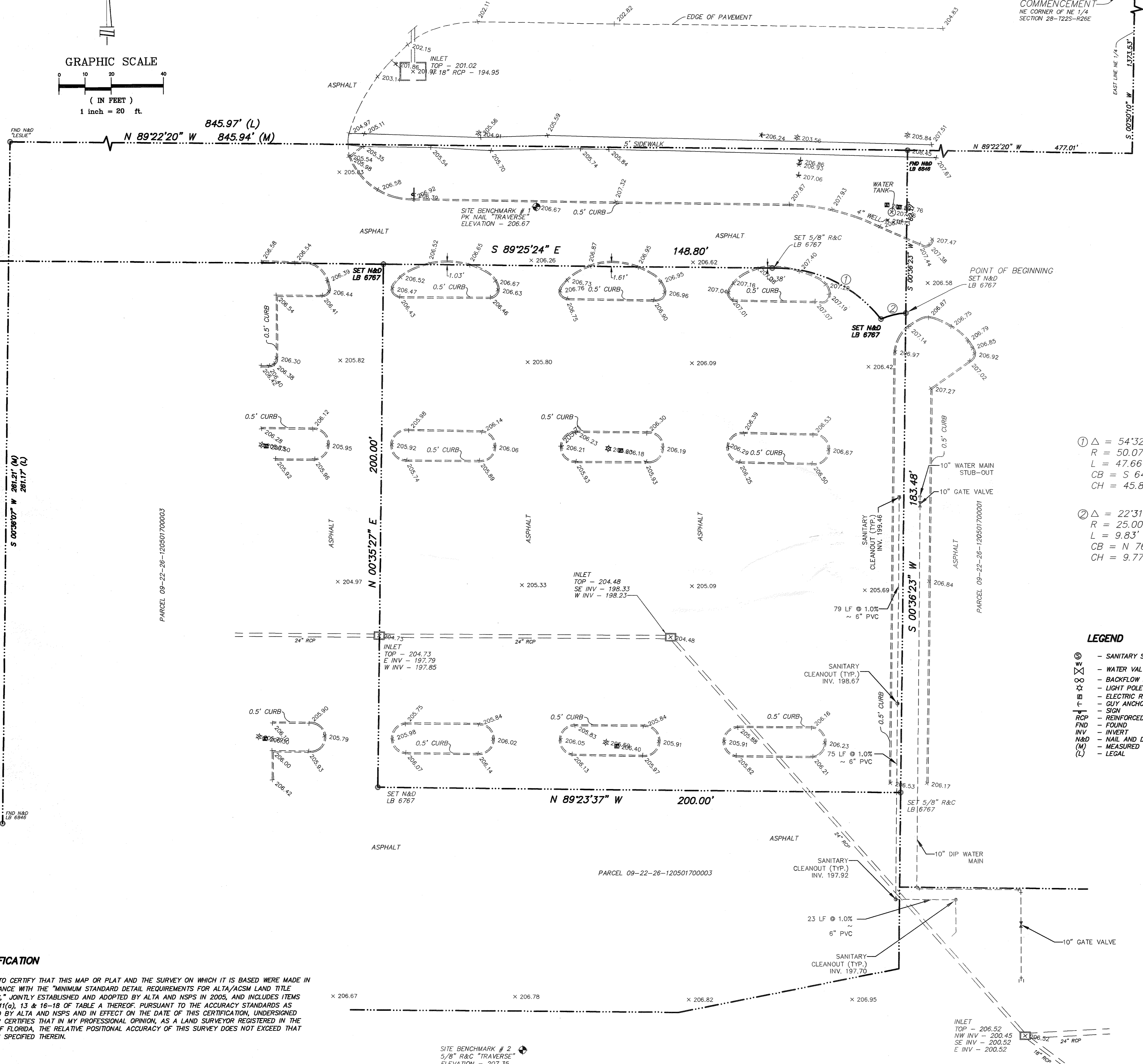
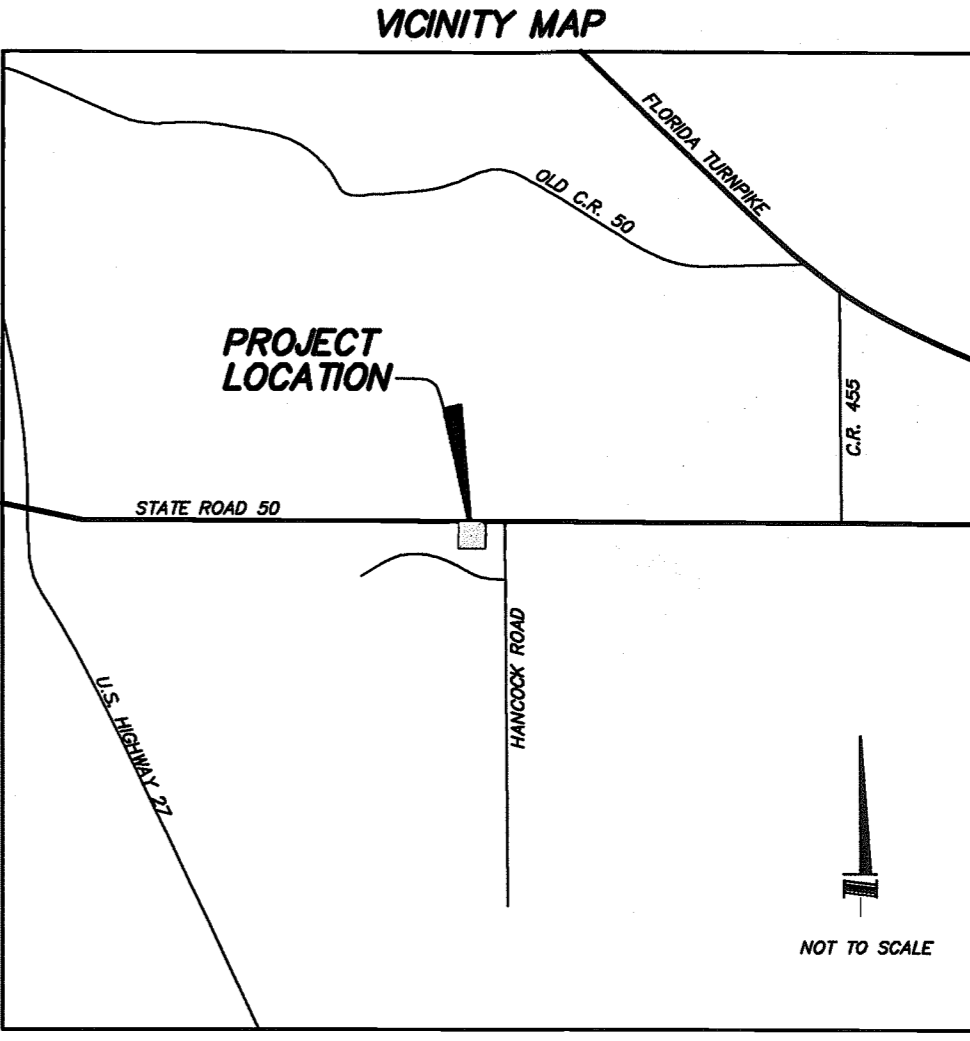
SCALE: 1" = 10'
 DRAWN BY: SS
 PROJ. MANAGER: SCG
 PROJ. #: 2078-016
 DATE: NOV. 2006
 NO. DATE PER CITY OF CLERMONT COMMENT BY
 1. 12/1/06
 PERMITTED
 CONSTRUCTION
 RECORD DWG

84016-8
 RECEIVED
 DEC 21 2006
 PDS
 ALTAMONTE SVG. GTR.

STATE ROAD No. 50
(PUBLIC RIGHT-OF-WAY)



POINT OF COMMENCEMENT
NE CORNER OF NE 1/4 SECTION 28-1225-826E



- SURVEYOR'S NOTES:**
- 1) NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
 - 2) THE LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR RIGHTS-OF-WAY, EASEMENTS, OWNERSHIP, OR OTHER INSTRUMENTS OF RECORD BY THIS FIRM.
 - 3) THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE COMMITMENT.
 - 4) ELEVATIONS SHOWN HEREON ARE BASED ON NGS POINT DESIGNATION LAK 13, BEING DESCRIBED AS SURVEY DISK ON CULVERT HEADWALL, HAVING AN ELEVATION OF 184.52 FEET (NAV088).
 - 5) NO UNDERGROUND INSTALLATIONS OR IMPROVEMENTS HAVE BEEN LOCATED, EXCEPT AS SHOWN.
 - 6) ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
 - 7) POTENTIAL BOUNDARY INCONSISTENCIES OBSERVED: NONE
 - 8) FIELD MEASURED CONTROL MEETS OR EXCEEDS A CLOSURE OF 1 FOOT IN 10,000 FEET.
 - 9) THIS MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1"= 20'.
 - 10) SYMBOLS NOT TO SCALE.
 - 11) OWNERSHIP OF SUBJECT PROPERTY AND IMPROVEMENTS UNDETERMINED.
 - 12) TABLE A ITEMS 16, 17, 18:
 - 16) THERE WAS NO OBSERVABLE EVIDENCE OF EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS WITHIN RECENT MONTHS.
 - 17) THERE WAS NO CHANGES IN STREET RIGHT OF WAY LINES, OBSERVABLE EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS, EXCEPT CONSTRUCTION ALONG THE EAST RIGHT-OF-WAY LINE OF COMMANDER DRIVE.
 - 18) THERE WAS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.

① Δ = 54°32'12"
R = 50.07'
L = 47.66'
CB = S 64°58'36" E
CH = 45.88'

② Δ = 22°31'50"
R = 25.00'
L = 9.83'
CB = N 76°32'04" E
CH = 9.77'

LEGEND

- ⊕ - SANITARY SEWER MANHOLE
- ⊖ - WATER VALVE
- - BACKFLOW PREVENTER
- ☆ - LIGHT POLE
- - ELECTRIC RISER
- † - GUY ANCHOR
- - SIGN
- RCP - REINFORCED CONCRETE PIPE
- FND - FOUND
- INV - INVERT
- N&D - NAIL AND DISK
- (M) - MEASURED
- (L) - LEGAL

LEGAL DESCRIPTION: (BY SURVEYOR)

A PORTION OF SECTION 28, TOWNSHIP 22 SOUTH, RANGE 26 EAST, LAKE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEAST CORNER OF THE NORTHEAST 1/4 OF SECTION 28, TOWNSHIP 22 SOUTH, RANGE 26 EAST, LAKE COUNTY, FLORIDA; THENCE RUN S 00°50'10" W ALONG THE EAST LINE OF THE NORTHEAST 1/4 OF SAID SECTION 28 A DISTANCE OF 1373.53 FEET; THENCE DEPARTING SAID EAST LINE RUN N 89°22'20" W, A DISTANCE OF 477.01 FEET; THENCE RUN S 00°36'23" W, A DISTANCE OF 62.17 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S 00°36'23" W, A DISTANCE OF 183.48 FEET; THENCE RUN N 89°23'37" W, 200.00 FEET; THENCE RUN N 00°35'27" E, 200.00 FEET; THENCE RUN S 89°25'24" E, A DISTANCE OF 148.80 FEET TO A POINT OF CURVATURE OF A CURVE CONCAVE SOUTHWESTERLY, HAVING A RADIUS OF 50.07 FEET, AN INCLUDED ANGLE OF 54°32'12". A CHORD BEARING S 64°58'36" E AND A CHORD DISTANCE OF 45.88 FEET, RUN 47.66 FEET ALONG THE ARC OF SAID CURVE TO A POINT ON A NON-TANGENT CURVE CONCAVE SOUTHEASTERLY HAVING A RADIUS OF 25.00 FEET, AN INCLUDED ANGLE OF 22°31'50", A CHORD BEARING OF N 76°32'04" E, AND A CHORD DISTANCE OF 9.77 FEET, RUN 9.83 FEET ALONG THE ARC OF SAID CURVE TO THE POINT OF BEGINNING.

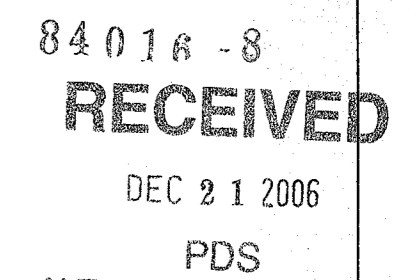
CONTAINING 39,620.62 SQUARE FEET OR 0.909 ACRES MORE OR LESS.

CERTIFICATION

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS IN 2006, AND INCLUDES ITEMS 1-4, 8-11(c), 13 & 16-18 OF TABLE A THEREOF, PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA AND NSPS AND IN EFFECT ON THE DATE OF THIS CERTIFICATION. UNDERSIGNED FURTHER CERTIFIES THAT IN MY PROFESSIONAL OPINION, AS A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA, THE RELATIVE POSITIONAL ACCURACY OF THIS SURVEY DOES NOT EXCEED THAT WHICH IS SPECIFIED THEREIN.

DATE: _____ DAVID M. McDERMOTT, LS 4779

ALTA BOUNDARY & TOPOGRAPHIC SURVEY
A PORTION OF SECTION 28-1225-826E
LAKE COUNTY, FLORIDA



AVID GROUP

Associated Land Surveying & Mapping, Inc.

101 WYMORE ROAD, SUITE 111, ALTAMONTE SPRINGS, FLORIDA 32714
TEL: (407) 881-9888 FAX: (407) 881-9888

SCALE: 1" = 20'
DATE: 12/21/06
JOB NO.: 09-22-26-120501700003
SHEET NO.: 1 OF 1

DAVID M. McDERMOTT, SURVEYOR & MAPPER
FLORIDA REGISTERED SURVEYOR AND MAPPER
LICENSE NO. 4779

PREPARED FOR: