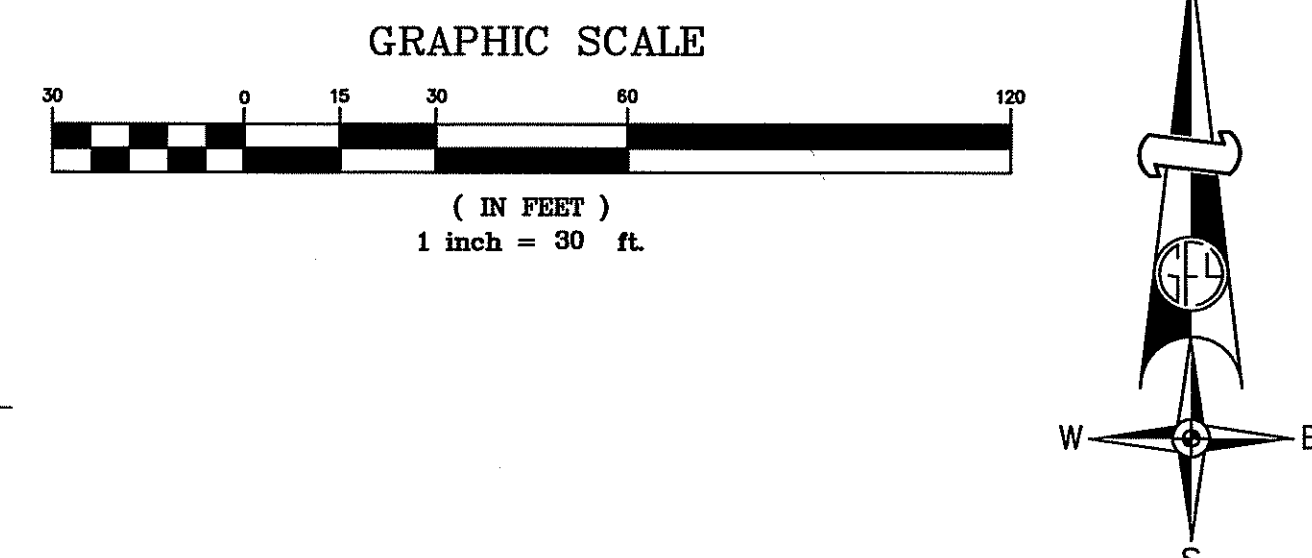
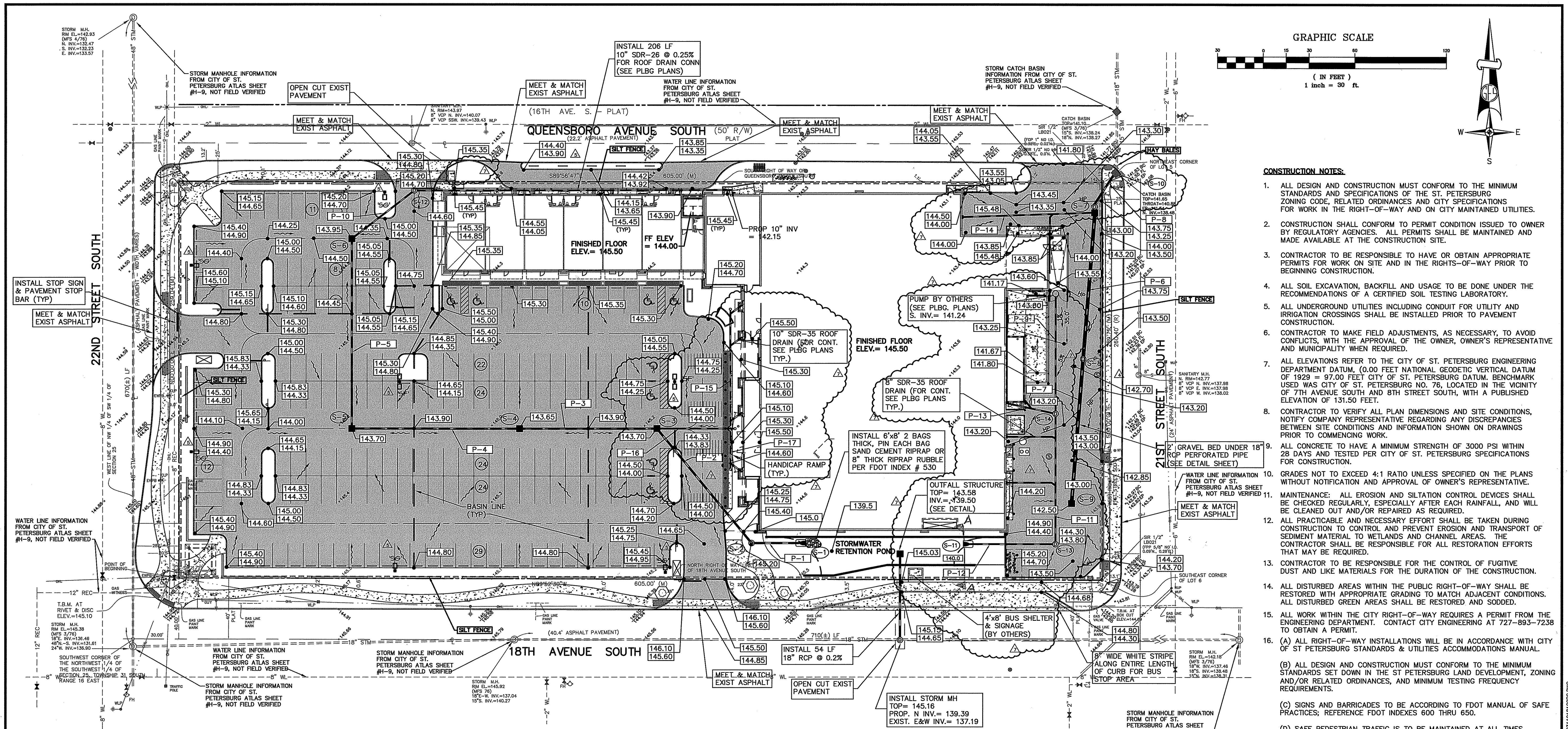


2. CONTRACTOR TO ATTAIN THE NECESSARY WORK PERMITS PRIOR TO BEGINNING CONSTRUCTION.
3. ALL DEMOLITION, BACKFILLING, ETC. SHALL CONFORM TO THE RECOMMENDATION OF THE SOILS ENGINEER AND/OR OWNER'S REPRESENTATIVE.
4. CONTRACTOR TO NOTIFY ALL UTILITIES FORTY-EIGHT (48) HOURS PRIOR TO DEMOLITION AND/OR EXCAVATION, INCLUDING THE LOCAL GAS COMPANY IN ACCORDANCE WITH F.S. 553.851. CALL "SUNSHINE STATE ONE CALL SYSTEM", 1-800-432-4770, SO THAT UNDERGROUND UTILITIES CAN BE FIELD SPOTTED.
5. ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY AND COORDINATE WITH THE CITY, FLORIDA POWER, VERIZON, TIME WARNER PEOPLES GAS, ETC. FOR THE REMOVAL OR RELOCATION OF ANY OF THESE FACILITIES.
6. ALL DISTURBED AREAS WITHIN PUBLIC RIGHT-OF-WAY TO BE RESTORED TO ORIGINAL STATE OR BETTER. USE SOD WHERE NEEDED.
7. PROTECTION OF EXISTING STORM SEWER SYSTEMS: DURING CONSTRUCTION, ALL STORM SEWER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY THE CONSTRUCTION PROCESS (SEE FDOT INDEX NO. 102).
8. SEDIMENT TRAPPING MEASURES: SEDIMENT BASINS AND TRAP, PERIMETER BERMS, FILTER FENCES, BERMS SEDIMENT BARRIERS, VEGETATION, FENCES AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING WATER BODIES, MUST BE INSTALLED, CONSTRUCTED, OR IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS.
9. MAINTENANCE: ALL EROSION AND SILTATION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL, AND WILL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED BY THE CONTRACTOR.
10. CONTRACTOR TO CLEAR, GRUB AND REMOVE ALL DEBRIS ON SITE AND ALL AREAS OF THE RIGHT-OF-WAY AS NECESSARY TO COMPLETE WORK.
11. CONTRACTOR TO COORDINATE WITH OWNER ALL EXISTING UTILITIES AND APPURTENANCES TO BE REMOVED, I.E. LIGHT POLES, TREES, SHRUBS, ETC. BEFORE WORK BEGINS. THESE ITEMS MAY BE USED IN THE NEW FACILITY AT THE OWNER'S REQUEST.
12. ALL CONSTRUCTION MUST CONFORM TO THE MINIMUM STANDARDS SET FORTH IN THE CITY OF ST. PETERSBURG STANDARD SPECIFICATIONS AND/OR ZONING REGULATIONS.
13. REQUIRED TREE BARRICADES MUST REMAIN INTACT THROUGHOUT CONSTRUCTION. ENCRoACHMENT INTO OR FAILURE TO MAINTAIN THREE BARRICADES WILL RESULT IN ENFORCEMENT ACTION WHICH MAY INCLUDE CITATIONS AND/OR PERMIT REVOCATION AS PROVIDED BY ORDINANCE #76.16.
14. THE BARRICADE LIMITS AROUND TREES TO BE RETAINED MUST REMAIN BARRICADED THROUGHOUT CONSTRUCTION WITH ONLY HAND LABOR AND/OR SMALL GRADING TRACTOR PERMITTED WITHIN THE BARRICADE LIMITS. HEAVY MACHINERY IS NOT PERMITTED WITHIN THE BARRICADE LIMITS.
15. CONTRACTOR TO VERIFY ALL PLAN DIMENSIONS AND SITE CONDITIONS, NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN SITE CONDITIONS AND INFORMATION SHOWN ON DRAWINGS PRIOR TO COMMENCING WORK.
16. DISPOSE OF ALL UNSUITABLE MATERIALS OFF-SITE. EQUIPMENT TO BE DISPOSED OF OR MOVED IN ACCORDANCE WITH INSTRUCTIONS OF OWNER'S REPRESENTATIVE.
17. ALL MATERIAL EXCAVATED THAT IS SUITABLE FOR FILL UNDER PAVING, OR LANDSCAPING AREA, IS TO BE SPREAD AND COMPACTED IN LOCATIONS DESIGNATED BY THE ENGINEER OR OTHER AUTHORIZED REPRESENTATIVE OF THE OWNER.
18. WHEN ALL EXCAVATION AND DEMOLITION IS COMPLETE, CLEAN FILL SHALL BE SPREAD AND COMPACTED IN LIFTS DESIGNATED BY THE TESTING LABORATORY TO THE REQUIRED ELEVATION.
19. BENCHMARK USED: PCED MAP # 1641 "POWER L", PUBLISHED ELEVATION: 46.68' CITY ELEVATION: 143.68'. LOCATED AT THE SOUTHEAST CORNER OF 20TH STREET SOUTH AND 22ND AVENUE SOUTH.
20. ALL GRANITE CURB IS TO BE REMOVED FROM SITE AND STOCKPILED AT THE CITY STORAGE YARD.

CLIENT	PROJECT NAME	REVISIONS		George F. Young, Inc. <small>1B-021</small> ARCHITECTURE • ENGINEERING • ENVIRONMENTAL LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE SARASOTA • NORTH PALM BEACH RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North St. Petersburg FL 33701-0863 Tel.: (727) 822-4311 Fax: (727) 822-2919	<div style="text-align: center;">NOEL CORSON, P.E. FL REG. NO. 45183</div>	<div style="position: relative; height: 100px;"> C-1 C-8 </div>
URBAN DEVELOPMENT SOLUTIONS	TANGERINE PLAZA					
6538 1ST AVE NORTH	EXISTING CONDITIONS/ SITE PREP PLAN					
ST. PETERSBURG, FL. 33710						
		4. FOR CONSTRUCTION 02/28/05 TAP 3. ISSUED FOR BID 12/17/04 TAP 2. CITY SUBMITTAL 12/08/04 TAP 1. REVISED PLANS PER SWFMMD AND RE-ISSUED 08/28/04				
SFC. 25 TWP. 31 S. RNC. 16 E.	No. DESCRIPTION DATE BY					



- CONSTRUCTION NOTES:**
- ALL DESIGN AND CONSTRUCTION MUST CONFORM TO THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE ST. PETERSBURG ZONING CODE, RELATED ORDINANCES AND CITY SPECIFICATIONS FOR WORK IN THE RIGHT-OF-WAY AND ON CITY MAINTAINED UTILITIES.
 - CONSTRUCTION SHALL CONFORM TO PERMIT CONDITION ISSUED TO OWNER BY REGULATORY AGENCIES. ALL PERMITS SHALL BE MAINTAINED AND MADE AVAILABLE AT THE CONSTRUCTION SITE.
 - CONTRACTOR TO BE RESPONSIBLE TO HAVE OR OBTAIN APPROPRIATE PERMITS FOR WORK ON SITE AND IN THE RIGHTS-OF-WAY PRIOR TO BEGINNING CONSTRUCTION.
 - ALL SOIL EXCAVATION, BACKFILL AND USAGE TO BE DONE UNDER THE RECOMMENDATIONS OF A CERTIFIED SOIL TESTING LABORATORY.
 - ALL UNDERGROUND UTILITIES INCLUDING CONDUIT FOR UTILITY AND IRRIGATION CROSSINGS SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION.
 - CONTRACTOR TO MAKE FIELD ADJUSTMENTS, AS NECESSARY, TO AVOID CONFLICTS, WITH THE APPROVAL OF THE OWNER, OWNER'S REPRESENTATIVE AND MUNICIPALITY WHEN REQUIRED.
 - ALL ELEVATIONS REFER TO THE CITY OF ST. PETERSBURG ENGINEERING DEPARTMENT DATUM, (0.00 FEET NATIONAL GEODETIC VERTICAL DATUM OF 1929 = 97.00 FEET CITY OF ST. PETERSBURG DATUM. BENCHMARK USED WAS CITY OF ST. PETERSBURG NO. 76, LOCATED IN THE VICINITY OF 7TH AVENUE SOUTH AND 8TH STREET SOUTH, WITH A PUBLISHED ELEVATION OF 131.50 FEET.
 - CONTRACTOR TO VERIFY ALL PLAN DIMENSIONS AND SITE CONDITIONS, NOTIFY COMPANY REPRESENTATIVE REGARDING ANY DISCREPANCIES BETWEEN SITE CONDITIONS AND INFORMATION SHOWN ON DRAWINGS PRIOR TO COMMENCING WORK.
 - ALL CONCRETE TO HAVE A MINIMUM STRENGTH OF 3000 PSI WITHIN 28 DAYS AND TESTED PER CITY OF ST. PETERSBURG SPECIFICATIONS FOR CONSTRUCTION.
 - GRADES NOT TO EXCEED 4:1 RATIO UNLESS SPECIFIED ON THE PLANS WITHOUT NOTIFICATION AND APPROVAL OF OWNER'S REPRESENTATIVE.
 - MAINTENANCE: ALL EROSION AND SILTATION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL, AND WILL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.
 - ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO WETLANDS AND CHANNEL AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
 - CONTRACTOR TO BE RESPONSIBLE FOR THE CONTROL OF FUGITIVE DUST AND LIKE MATERIALS FOR THE DURATION OF THE CONSTRUCTION.
 - ALL DISTURBED AREAS WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE RESTORED WITH APPROPRIATE GRADING TO MATCH ADJACENT CONDITIONS. ALL DISTURBED GREEN AREAS SHALL BE RESTORED AND SODDED.
 - ALL WORK WITHIN THE CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE ENGINEERING DEPARTMENT. CONTACT CITY ENGINEERING AT 727-893-7238 TO OBTAIN A PERMIT.
 - (A) ALL RIGHT-OF-WAY INSTALLATIONS WILL BE IN ACCORDANCE WITH CITY OF ST. PETERSBURG STANDARDS & UTILITIES ACCOMMODATIONS MANUAL.
 - (B) ALL DESIGN AND CONSTRUCTION MUST CONFORM TO THE MINIMUM STANDARDS SET DOWN IN THE ST. PETERSBURG LAND DEVELOPMENT, ZONING AND/OR RELATED ORDINANCES, AND MINIMUM TESTING FREQUENCY REQUIREMENTS.
 - (C) SIGNS AND BARRICADES TO BE ACCORDING TO FDOT MANUAL OF SAFE PRACTICES; REFERENCE FDOT INDEXES 600 THRU 650.
 - (D) SAFE PEDESTRIAN TRAFFIC IS TO BE MAINTAINED AT ALL TIMES.
 - (E) COMPACTION FOR PIPE BACKFILL SHALL COMPLY WITH AASHTO T-99 (100%).
 - (F) DISTURBED GREEN AREA WITHIN THE RIGHT OF WAY WILL BE COMPACTED TO 100% OF MAXIMUM DENSITY AND SODDED WITH ST. AUGUSTINE. ALL FILL ON SITE IN GREEN AREA TO BE COMPACTED TO 95% DENSITY.
 - (G) THE PERMITTEE'S ATTENTION IS DIRECTED TO THE PROVISIONS OF THE TRENCH SAFETY ACT (FLORIDA STATUTES, SECTION 553.60 ET. SEQ.) AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARD (29 CFR SECTION 1926.650, SUBPART B) WHICH SHALL APPLY TO CONSTRUCTION, OPERATION AND MAINTENANCE PURSUANT TO THIS PERMIT.
 - (H) NO STOCKPILING OF MATERIAL IN ROADWAY OR ON SIDEWALKS, ROADS AND SIDEWALK TO BE SWEEP DAILY AS PART OF DAILY CLEAN UP.
 - (I) NO STREET SHALL BE CLOSED WITHOUT THE WRITTEN PERMISSION OF THE CITY OF ST. PETERSBURG TRAFFIC DIVISION. AT LEAST 48-HOUR ADVANCE COORDINATION IS REQUIRED.
 - (J) ANY PORTION OF THE CITY ROADWAY THAT SUSTAINS EXCESSIVE CONSTRUCTION RELATED DAMAGE, IN THE OPINION OF THE CITY OF ST. PETERSBURG ENGINEERING DEPARTMENT, SHALL BE REPAIRED AT CONTRACTOR EXPENSE IN A MANNER SPECIFIED BY THE CITY ENGINEERING DEPARTMENT.

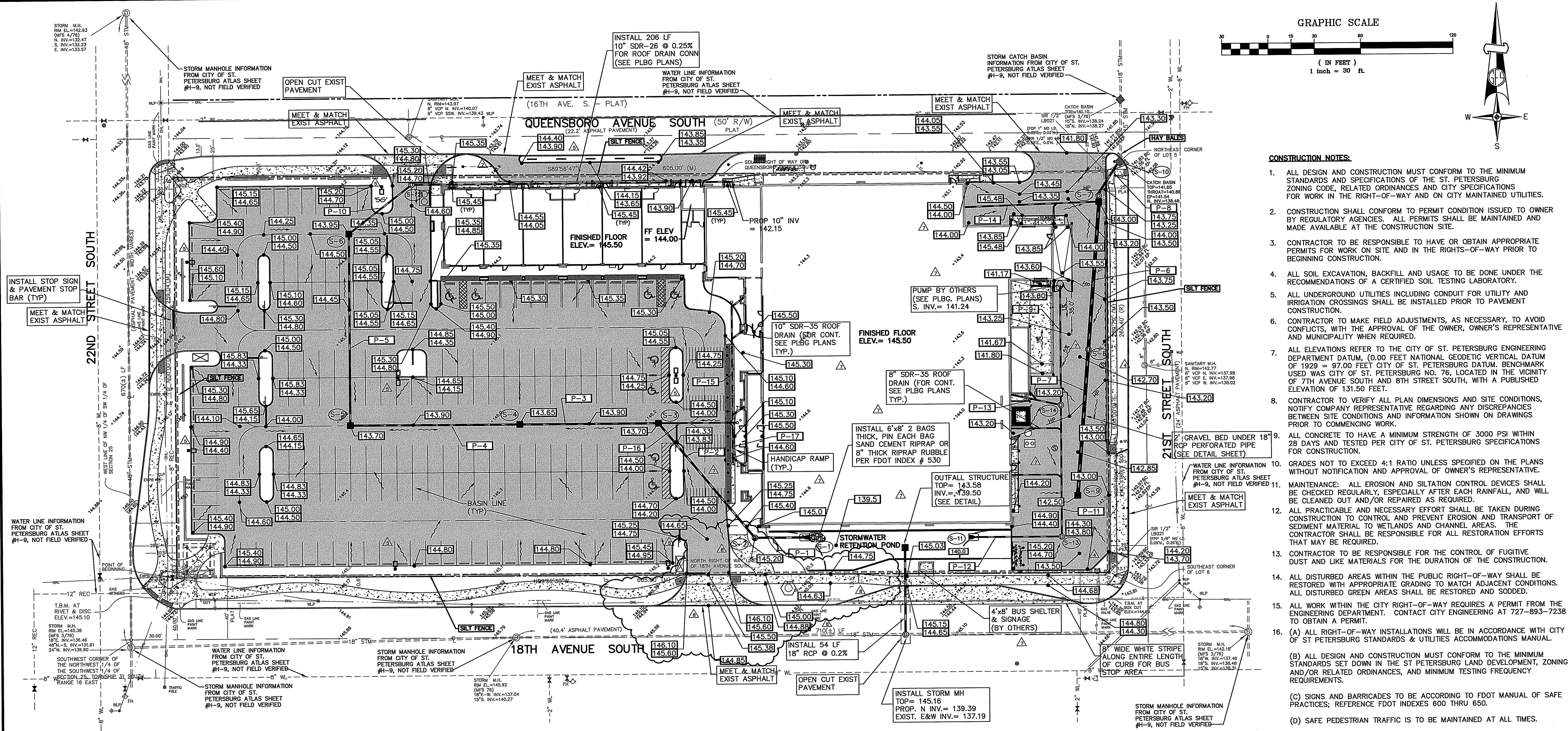
DRAINAGE STRUCTURE SCHEDULE				
STRUCTURE	TOP	INVERTS	SUMP BOTTOM (SEE DETAIL)	TYPE OF STRUCTURE
S-1	-	140.10	-	MES
S-2	145.20	140.18	-	MANHOLE
S-3	143.70	18"-140.85, 24"-140.37, 10" E-141.00	-	TYPE "F" MOD. INLET
S-4	143.65	141.03	-	TYPE "F" MOD. INLET
S-5	143.70	141.25	-	TYPE "F" MOD. INLET
S-6	143.95	141.50	-	TYPE "F" MOD. INLET
S-7	143.00	15" NE-138.58, 18"-139.50, 10" W-140.32	136.00	TYPE "J"-17" JUNCTION BOX
S-8	143.00	139.30	137.00	MANHOLE
S-9	142.50	139.50	136.00	TYPE "F" MOD. INLET
S-10	141.65	15" SW-138.50, EXIST 15"N-138.48	-	NEW TOP FOR EXIST INLET
S-11	-	140.10	-	MES (SEE DETAIL SHEET C-5)
S-12	144.75	141.63	-	MANHOLE
S-13	143.05	140.38	-	MANHOLE
S-14	142.80	8" N-140.85, 12" S-140.81, 10" NW-140.85	-	MANHOLE

FOOT INDEX NO. 233 TYPE "F" MOD. 2'6"x 4'0" INLETS, TYPE "H" MANHOLE & NO. 272 MES

DRAINAGE PIPING SCHEDULE						
PIPE	DNSTREAM STRUCTURE	UPSTREAM STRUCTURE	LENGTH	SIZE	TYPE	SLOPE
P-1	S-1	S-2	38 LF	24"	RCP	0.20%
P-2	S-2	S-3	98 LF	24"	RCP	0.20%
P-3	S-3	S-4	90 LF	18"	RCP	0.20%
P-4	S-4	S-5	110 LF	15"	RCP	0.20%
P-5	S-5	S-6	124 LF	15"	RCP	0.20%
P-6	S-6	S-7	94 LF	18"	PCC	0.21%
P-7	S-8	S-9	94 LF	18"	PCC	0.21%
P-8	S-10	S-7	24 LF	15"	RCP	0.25% MIN
GRAVEL BED	S-7	S-9	186 LF	2' WIDE x 2.5' DEEP	SEE DETAIL	SEE DETAIL
P-9	S-14	PUMP	78 LF	8"	SDR-35	0.50%
P-10	S-6	S-12	50 LF	10"	SDR-26	0.25%
P-11	S-13	S-14	85 LF	12"	SDR-35	0.5%
P-12	POND	S-13	56 LF	12"	SDR-35	0.5%
P-13	S-14	ROOF DRAIN	33 LF	10"	SDR-35	0.5%
P-14	S-7	ROOF DRAIN	84 LF	10"	SDR-35	0.5%
P-15	P-16	ROOF DRAIN	78 LF	10"	SDR-35	0.5%
P-16	S-3	CLEANOUT	51 LF	10"	SDR-35	0.5%
P-17	P-16	ROOF DRAIN	27 LF	10"	SDR-35	0.5%

- LEGEND**
- PROPOSED CONCRETE
 - PROPOSED ASPHALT
 - PROPOSED ELEVATION
 - EXISTING ELEVATION
 - DENOTES TREE BARRICADE
 - PROJECT LIMITS
 - SILT FENCE
 - DENOTES DRAINAGE FLOW

CLIENT URBAN DEVELOPMENT SOLUTIONS 6538 1ST AVE NORTH ST. PETERSBURG, FL. 33710		PROJECT NAME TANGERINE PLAZA PAVING GRADING & DRAINAGE PLAN SEC. 25 TWP. 31 S. R. 16 E.		REVISIONS <table><tr><th>NO.</th><th>DESCRIPTION</th><th>DATE</th><th>BY</th></tr><tr><td>7.</td><td>REVISED HANDICAP RAMP, TRANSFORMER, GREASE & INDIRECT WASTE PITS, BUS STOP, BPP</td><td>05/04/05</td><td>TAP</td></tr><tr><td>6.</td><td>FOR CONSTRUCTION</td><td>02/28/05</td><td>TAP</td></tr><tr><td>5.</td><td>REVISED PER CITY COMMENTS</td><td>02/01/05</td><td>TAP</td></tr><tr><td>4.</td><td>REVISED PER CITY COMMENTS & FOR BID ADDENDUM NO. 2</td><td>01/19/05</td><td>TAP</td></tr><tr><td>3.</td><td>ISSUED FOR BID</td><td>12/17/04</td><td>TAP</td></tr><tr><td>2.</td><td>CITY SUBMITTAL</td><td>12/08/04</td><td>TAP</td></tr><tr><td>1.</td><td>REVISED PLANS PER SHWMMD AND RE-ISSUED</td><td>08/26/04</td><td>TAP</td></tr></table>		NO.	DESCRIPTION	DATE	BY	7.	REVISED HANDICAP RAMP, TRANSFORMER, GREASE & INDIRECT WASTE PITS, BUS STOP, BPP	05/04/05	TAP	6.	FOR CONSTRUCTION	02/28/05	TAP	5.	REVISED PER CITY COMMENTS	02/01/05	TAP	4.	REVISED PER CITY COMMENTS & FOR BID ADDENDUM NO. 2	01/19/05	TAP	3.	ISSUED FOR BID	12/17/04	TAP	2.	CITY SUBMITTAL	12/08/04	TAP	1.	REVISED PLANS PER SHWMMD AND RE-ISSUED	08/26/04	TAP	George F. Young, Inc. ARCHITECTURE • ENGINEERING • ENVIRONMENTAL LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE SARASOTA • NORTH PALM BEACH RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North St. Petersburg, FL 33701-0683 Tel.: (727) 822-4317 Fax: (727) 822-2919 DESIGNED: NC DRAWN: TAP CHECKED: TAP APPROVED DATE: 08/26/04 SCALE: AS SHOWN		SHEET C-3 C-8 JOB NO. 0311-0181-00	
NO.	DESCRIPTION	DATE	BY																																						
7.	REVISED HANDICAP RAMP, TRANSFORMER, GREASE & INDIRECT WASTE PITS, BUS STOP, BPP	05/04/05	TAP																																						
6.	FOR CONSTRUCTION	02/28/05	TAP																																						
5.	REVISED PER CITY COMMENTS	02/01/05	TAP																																						
4.	REVISED PER CITY COMMENTS & FOR BID ADDENDUM NO. 2	01/19/05	TAP																																						
3.	ISSUED FOR BID	12/17/04	TAP																																						
2.	CITY SUBMITTAL	12/08/04	TAP																																						
1.	REVISED PLANS PER SHWMMD AND RE-ISSUED	08/26/04	TAP																																						



- CONSTRUCTION NOTES:**
- ALL DESIGN AND CONSTRUCTION MUST CONFORM TO THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE ST. PETERSBURG ZONING CODE, RELATED ORDINANCES AND CITY SPECIFICATIONS FOR WORK IN THE RIGHT-OF-WAY AND ON CITY MAINTAINED UTILITIES.
 - CONSTRUCTION SHALL CONFORM TO PERMIT CONDITION ISSUED TO OWNER BY REGULATORY AGENCIES. ALL PERMITS SHALL BE MAINTAINED AND MADE AVAILABLE AT THE CONSTRUCTION SITE.
 - CONTRACTOR TO BE RESPONSIBLE TO HAVE OR OBTAIN APPROPRIATE PERMITS FOR WORK ON SITE AND IN THE RIGHTS-OF-WAY PRIOR TO BEGINNING CONSTRUCTION.
 - ALL SOIL EXCAVATION, BACKFILL AND USAGE TO BE DONE UNDER THE RECOMMENDATIONS OF A CERTIFIED SOIL TESTING LABORATORY.
 - ALL UNDERGROUND UTILITIES INCLUDING CONDUIT FOR UTILITY AND IRRIGATION CROSSINGS SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION.
 - CONTRACTOR TO MAKE FIELD ADJUSTMENTS, AS NECESSARY, TO AVOID CONFLICTS, WITH THE APPROVAL OF THE OWNER, OWNER'S REPRESENTATIVE AND MUNICIPALITY WHEN REQUIRED.
 - ALL ELEVATIONS REFER TO THE CITY OF ST. PETERSBURG ENGINEERING DEPARTMENT DATUM, (0.00 FEET NATIONAL GEODETIC VERTICAL DATUM OF 1929 = 97.00 FEET CITY OF ST. PETERSBURG DATUM. BENCHMARK USED WAS CITY OF ST. PETERSBURG NO. 76, LOCATED IN THE VICINITY OF 7TH AVENUE SOUTH AND 8TH STREET SOUTH, WITH A PUBLISHED ELEVATION OF 131.50 FEET.
 - CONTRACTOR TO VERIFY ALL PLAN DIMENSIONS AND SITE CONDITIONS, NOTIFY COMPANY REPRESENTATIVE REGARDING ANY DISCREPANCIES BETWEEN SITE CONDITIONS AND INFORMATION SHOWN ON DRAWINGS PRIOR TO COMMENCING WORK.
 - ALL CONCRETE TO HAVE A MINIMUM STRENGTH OF 3000 PSI WITHIN 28 DAYS AND TESTED PER CITY OF ST. PETERSBURG SPECIFICATIONS FOR CONSTRUCTION.
 - GRADES NOT TO EXCEED 4:1 RATIO UNLESS SPECIFIED ON THE PLANS WITHOUT NOTIFICATION AND APPROVAL OF OWNER'S REPRESENTATIVE.
 - MAINTENANCE: ALL EROSION AND SILTATION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL, AND WILL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.
 - ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO WETLANDS AND CHANNEL AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
 - CONTRACTOR TO BE RESPONSIBLE FOR THE CONTROL OF FUGITIVE DUST AND LIKE MATERIALS FOR THE DURATION OF THE CONSTRUCTION.
 - ALL DISTURBED AREAS WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE RESTORED WITH APPROPRIATE GRADING TO MATCH ADJACENT CONDITIONS. ALL DISTURBED GREEN AREAS SHALL BE RESTORED AND SODED.
 - ALL WORK WITHIN THE CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE ENGINEERING DEPARTMENT. CONTACT CITY ENGINEERING AT 727-893-7238 TO OBTAIN A PERMIT.
 - (A) ALL RIGHT-OF-WAY INSTALLATIONS WILL BE IN ACCORDANCE WITH CITY OF ST. PETERSBURG STANDARDS & UTILITIES ACCOMMODATIONS MANUAL.

- (B) ALL DESIGN AND CONSTRUCTION MUST CONFORM TO THE MINIMUM STANDARDS SET DOWN IN THE ST. PETERSBURG LAND DEVELOPMENT, ZONING AND/OR RELATED ORDINANCES, AND MINIMUM TESTING FREQUENCY REQUIREMENTS.
- (C) SIGNS AND BARRICADES TO BE ACCORDING TO FDOT MANUAL OF SAFE PRACTICES; REFERENCE FDOT INDEXES 600 THRU 650.
- (D) SAFE PEDESTRIAN TRAFFIC IS TO BE MAINTAINED AT ALL TIMES.
- (E) COMPACTION FOR PIPE BACKFILL SHALL COMPLY WITH AASHTO T-99 (100%).
- (F) DISTURBED GREEN AREA WITHIN THE RIGHT OF WAY WILL BE COMPACTED TO 100% OF MAXIMUM DENSITY AND SODED WITH ST. AUGUSTINE. ALL FILL ON SITE IN GREEN AREA TO BE COMPACTED TO 95% DENSITY.
- (G) THE PERMITTEE'S ATTENTION IS DIRECTED TO THE PROVISIONS OF THE TRENCH SAFETY ACT (FLORIDA STATUTES, SECTION 553.60 ET. SEQ.) AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARD (29 CFR SECTION 1926.650, SUBPART B) WHICH SHALL APPLY TO CONSTRUCTION, OPERATION AND MAINTENANCE PURSUANT TO THIS PERMIT.
- (H) NO STOCKPILING OF MATERIAL IN ROADWAY OR ON SIDEWALK; ROADS AND SIDEWALK TO BE SWEEPED DAILY AS PART OF DAILY CLEAN UP.
- (I) NO STREET SHALL BE CLOSED WITHOUT THE WRITTEN PERMISSION OF THE CITY OF ST. PETERSBURG TRAFFIC DIVISION. AT LEAST 48-HOUR ADVANCE COORDINATION IS REQUIRED.
- (J) ANY PORTION OF THE CITY ROADWAY THAT SUSTAINS EXCESSIVE CONSTRUCTION RELATED DAMAGE, IN THE OPINION OF THE CITY OF ST. PETERSBURG ENGINEERING DEPARTMENT, SHALL BE REPAIRED AT CONTRACTOR EXPENSE IN A MANNER SPECIFIED BY THE CITY ENGINEERING DEPARTMENT.

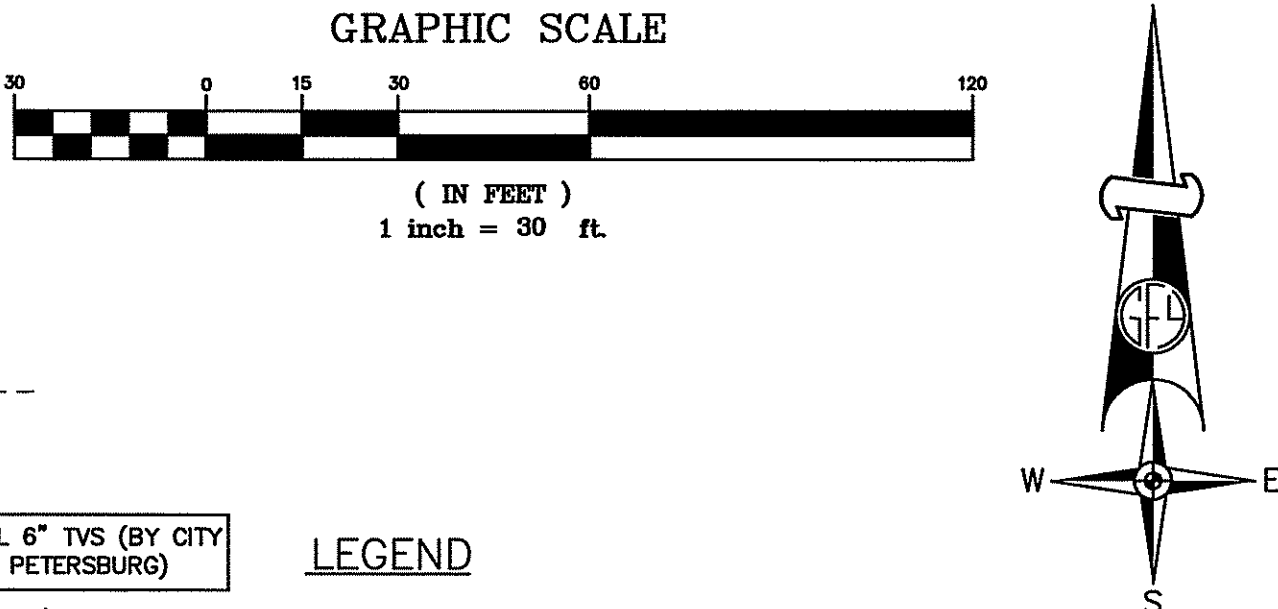
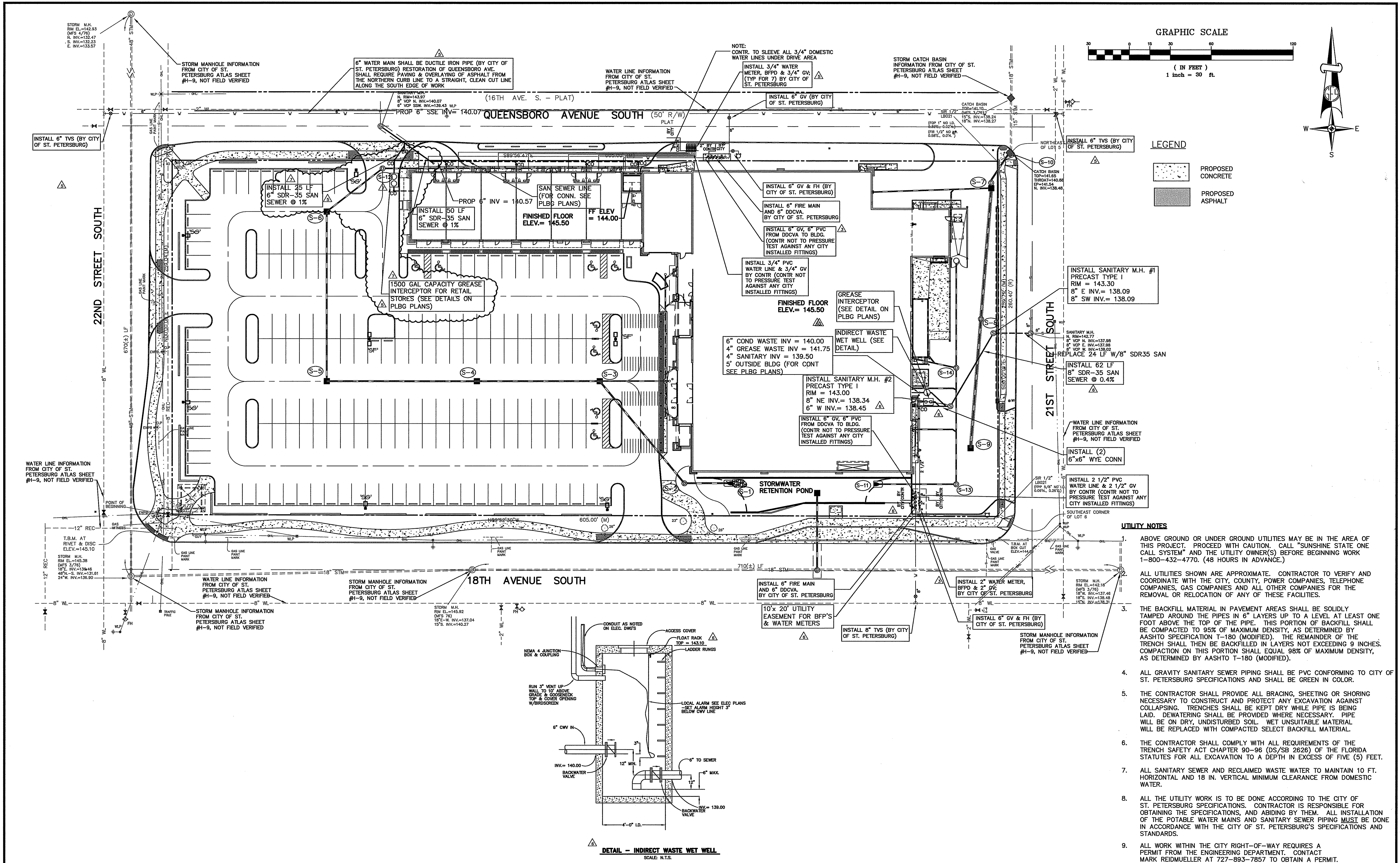
DRAINAGE STRUCTURE SCHEDULE				
STRUCTURE	TOP	INVERTS	SUMP BOTTOM (SEE DETAIL)	TYPE OF STRUCTURE
S-1	-	140.10	-	MES
S-2	145.20	140.18	-	MANHOLE
S-3	143.70	18"-140.85, 24"-140.37, 10" E-141.00	-	TYPE "F" MOD. INLET
S-4	143.65	141.03	-	TYPE "F" MOD. INLET
S-5	143.70	141.25	-	TYPE "F" MOD. INLET
S-6	143.95	141.50	-	TYPE "F" MOD. INLET
S-7	143.00	15" NE-138.58, 18"-139.50, 10" W-140.32	136.00	TYPE "J7-T" JUNCTION BOX
S-8	143.00	139.30	137.00	MANHOLE
S-9	142.50	139.50	136.00	TYPE "F" MOD. INLET
S-10	141.65	15" SW-138.50, EXIST 15" N-138.48	-	NEW TOP FOR EXIST INLET
S-11	-	140.10	-	MES (SEE DETAIL SHEET C-5)
S-12	144.75	141.63	-	MANHOLE
S-13	143.05	140.38	-	MANHOLE
S-14	142.80	8" N-140.85, 12" S-140.81, 10" NW-140.85	-	MANHOLE

FDOT INDEX NO. 233 TYPE "F" MOD. 2'6"x 4'0" INLETS, TYPE II MANHOLE & NO. 272 MES

DRAINAGE PIPING SCHEDULE							
PIPE	DNSTREAM STRUCTURE	UPSTREAM STRUCTURE	LENGTH	SIZE	TYPE	SLOPE	
P-1	S-1	S-2	38 LF	24"	RCP	0.20%	
P-2	S-2	S-3	98 LF	24"	RCP	0.20%	
P-3	S-3	S-4	90 LF	18"	RCP	0.20%	
P-4	S-4	S-5	110 LF	15"	RCP	0.20%	
P-5	S-5	S-6	124 LF	15"	RCP	0.20%	
P-6	S-6	S-7	94 LF	18"	PCC	0.21%	
P-7	S-8	S-9	94 LF	18"	PCC	0.21%	
P-8	S-10	S-7	24 LF	15"	RCP	0.25% MIN	
GRAVEL BED	S-7	S-9	185 LF	2' WIDE x 2.5' DEEP	SEE DETAIL	SEE DETAIL	
P-9	S-14	PUMP	78 LF	8"	SDR-35	0.50%	
P-10	S-6	S-12	50 LF	8"	SDR-26	0.25%	
P-11	S-13	S-14	85 LF	12"	SDR-35	0.5%	
P-12	S-13	S-13	56 LF	12"	SDR-35	0.5%	
P-13	S-14	ROOF DRAIN	33 LF	10"	SDR-35	0.5%	
P-14	S-7	ROOF DRAIN	84 LF	10"	SDR-35	0.5%	
P-15	P-16	ROOF DRAIN	78 LF	10"	SDR-35	0.5%	
P-16	S-3	CLEANOUT	51 LF	10"	SDR-35	0.5%	
P-17	P-16	ROOF DRAIN	27 LF	10"	SDR-35	0.5%	

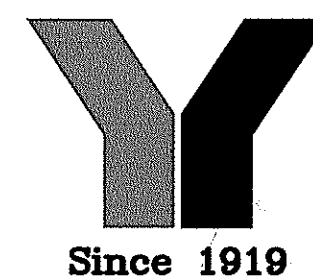
- LEGEND**
- PROPOSED CONCRETE
 - PROPOSED ASPHALT
 - PROPOSED ELEVATION
 - EXISTING ELEVATION
 - DENOTES TREE BARRICADE
 - PROJECT LIMITS
 - SILT FENCE
 - DENOTES DRAINAGE FLOW

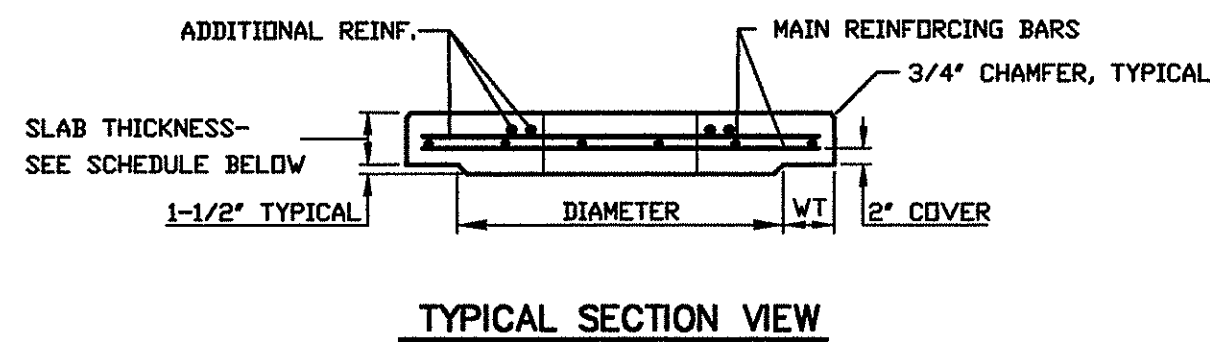
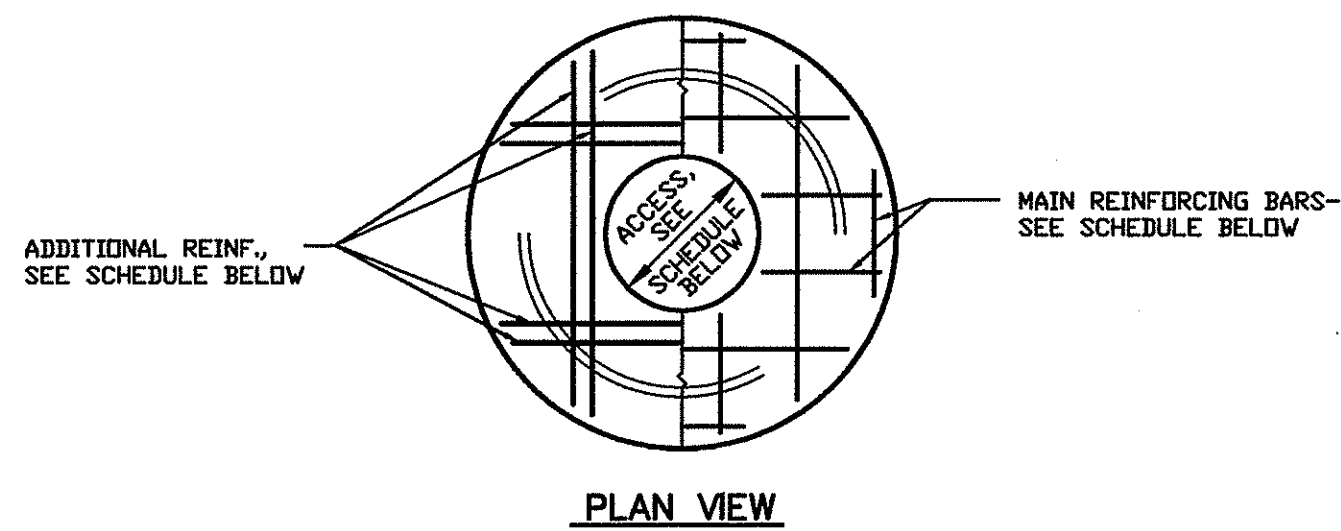
CLIENT URBAN DEVELOPMENT SOLUTIONS 6538 1ST AVE NORTH ST. PETERSBURG, FL. 33710		PROJECT NAME TANGERINE PLAZA PAVING GRADING & DRAINAGE PLAN		REVISIONS <table><tr><th>NO.</th><th>DESCRIPTION</th><th>DATE</th><th>BY</th></tr><tr><td>1.</td><td>REVISED PLANS PER SWPMM AND RE-ISSUED</td><td>08/26/04</td><td>TAP</td></tr><tr><td>2.</td><td>CITY SUBMITTAL</td><td>12/09/04</td><td>TAP</td></tr><tr><td>3.</td><td>ISSUED FOR BID</td><td>01/19/05</td><td>TAP</td></tr><tr><td>4.</td><td>REVISED PER CITY COMMENTS & FOR BID ADDENDUM NO. 2</td><td>02/01/05</td><td>TAP</td></tr><tr><td>5.</td><td>REVISED PER CITY COMMENTS</td><td>02/28/05</td><td>TAP</td></tr><tr><td>6.</td><td>FOR CONSTRUCTION</td><td>05/04/05</td><td>TAP</td></tr><tr><td>7.</td><td>REVISED SIDEWALK ALONG 18TH AVE</td><td>09/29/05</td><td>TAP</td></tr><tr><td>8.</td><td>REVISED SIDEWALK RAMP, TRANSFORMER, GREASE & INDIRECT WASTE PITS, BUS STOP, BFP</td><td>09/29/05</td><td>TAP</td></tr></table>		NO.	DESCRIPTION	DATE	BY	1.	REVISED PLANS PER SWPMM AND RE-ISSUED	08/26/04	TAP	2.	CITY SUBMITTAL	12/09/04	TAP	3.	ISSUED FOR BID	01/19/05	TAP	4.	REVISED PER CITY COMMENTS & FOR BID ADDENDUM NO. 2	02/01/05	TAP	5.	REVISED PER CITY COMMENTS	02/28/05	TAP	6.	FOR CONSTRUCTION	05/04/05	TAP	7.	REVISED SIDEWALK ALONG 18TH AVE	09/29/05	TAP	8.	REVISED SIDEWALK RAMP, TRANSFORMER, GREASE & INDIRECT WASTE PITS, BUS STOP, BFP	09/29/05	TAP	George F. Young, Inc. ARCHITECTURE • ENGINEERING • ENVIRONMENTAL LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE SARASOTA • NORTH PALM BEACH RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North St. Petersburg, FL 33701-0683 Tel.: (727) 822-4317 Fax: (727) 822-2919 DESIGNED: NC DRAWING: TAP CHECKED: SCAL APPROVED DATE: 08/26/04 NOEL CORSON, P.E. FL. REG. NO. 45183		SHEET C-3 C-8 JOB NO. 0311-0181-00
NO.	DESCRIPTION	DATE	BY																																									
1.	REVISED PLANS PER SWPMM AND RE-ISSUED	08/26/04	TAP																																									
2.	CITY SUBMITTAL	12/09/04	TAP																																									
3.	ISSUED FOR BID	01/19/05	TAP																																									
4.	REVISED PER CITY COMMENTS & FOR BID ADDENDUM NO. 2	02/01/05	TAP																																									
5.	REVISED PER CITY COMMENTS	02/28/05	TAP																																									
6.	FOR CONSTRUCTION	05/04/05	TAP																																									
7.	REVISED SIDEWALK ALONG 18TH AVE	09/29/05	TAP																																									
8.	REVISED SIDEWALK RAMP, TRANSFORMER, GREASE & INDIRECT WASTE PITS, BUS STOP, BFP	09/29/05	TAP																																									
SEC. 25 TWP. 31 S. RNC. 16 E.				Since 1919																																								



- LEGEND**
- PROPOSED CONCRETE
 - PROPOSED ASPHALT

- UTILITY NOTES**
- ABOVE GROUND OR UNDER GROUND UTILITIES MAY BE IN THE AREA OF THIS PROJECT. PROCEED WITH CAUTION. CALL "SUNSHINE STATE ONE CALL SYSTEM" AND THE UTILITY OWNER(S) BEFORE BEGINNING WORK 1-800-432-4770. (48 HOURS IN ADVANCE.)
 - ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY AND COORDINATE WITH THE CITY, COUNTY, POWER COMPANIES, TELEPHONE COMPANIES, GAS COMPANIES AND ALL OTHER COMPANIES FOR THE REMOVAL OR RELOCATION OF ANY OF THESE FACILITIES.
 - THE BACKFILL MATERIAL IN PAVEMENT AREAS SHALL BE SOLIDLY TAMPED AROUND THE PIPES IN 6" LAYERS UP TO A LEVEL AT LEAST ONE FOOT ABOVE THE TOP OF THE PIPE. THIS PORTION OF BACKFILL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY, AS DETERMINED BY AASHTO SPECIFICATION T-180 (MODIFIED). THE REMAINDER OF THE TRENCH SHALL THEN BE BACKFILLED IN LAYERS NOT EXCEEDING 9 INCHES. COMPACTION ON THIS PORTION SHALL EQUAL 98% OF MAXIMUM DENSITY, AS DETERMINED BY AASHTO T-180 (MODIFIED).
 - ALL GRAVITY SANITARY SEWER PIPING SHALL BE PVC CONFORMING TO CITY OF ST. PETERSBURG SPECIFICATIONS AND SHALL BE GREEN IN COLOR.
 - THE CONTRACTOR SHALL PROVIDE ALL BRACING, SHEETING OR SHORING NECESSARY TO CONSTRUCT AND PROTECT ANY EXCAVATION AGAINST COLLAPSING. TRENCHES SHALL BE KEPT DRY WHILE PIPE IS BEING LAID. DEWATERING SHALL BE PROVIDED WHERE NECESSARY. PIPE WILL BE ON DRY, UNDISTURBED SOIL. WET UNSUITABLE MATERIAL WILL BE REPLACED WITH COMPACTED SELECT BACKFILL MATERIAL.
 - THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE TRENCH SAFETY ACT CHAPTER 90-96 (DS/SB 2626) OF THE FLORIDA STATUTES FOR ALL EXCAVATION TO A DEPTH IN EXCESS OF FIVE (5) FEET.
 - ALL SANITARY SEWER AND RECLAIMED WASTE WATER TO MAINTAIN 10 FT. HORIZONTAL AND 18 IN. VERTICAL MINIMUM CLEARANCE FROM DOMESTIC WATER.
 - ALL THE UTILITY WORK IS TO BE DONE ACCORDING TO THE CITY OF ST. PETERSBURG SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE SPECIFICATIONS, AND ABIDING BY THEM. ALL INSTALLATION OF THE POTABLE WATER MAINS AND SANITARY SEWER PIPING MUST BE DONE IN ACCORDANCE WITH THE CITY OF ST. PETERSBURG'S SPECIFICATIONS AND STANDARDS.
 - ALL WORK WITHIN THE CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE ENGINEERING DEPARTMENT. CONTACT MARK REIDMUELLER AT 727-893-7857 TO OBTAIN A PERMIT.

CLIENT		PROJECT NAME		REVISIONS				 Since 1919	George F. Young, Inc. ARCHITECTURE • ENGINEERING • ENVIRONMENTAL LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE SARASOTA • NORTH PALM BEACH RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North St. Petersburg, FL 33701-0683 Tel.: (727) 822-4317 Fax: (727) 822-2919		SHEET	
URBAN DEVELOPMENT SOLUTIONS 6538 1ST AVE NORTH ST. PETERSBURG, FL. 33710		TANGERINE PLAZA UTILITY PLAN							C-4			
									C-8			
SEC. 25 TWP. 31 S. RNC. 16 E.								NOEL CORSON, P.E. FL. REG. NO. 45183				
								JOB NO. 0311-0181-00				

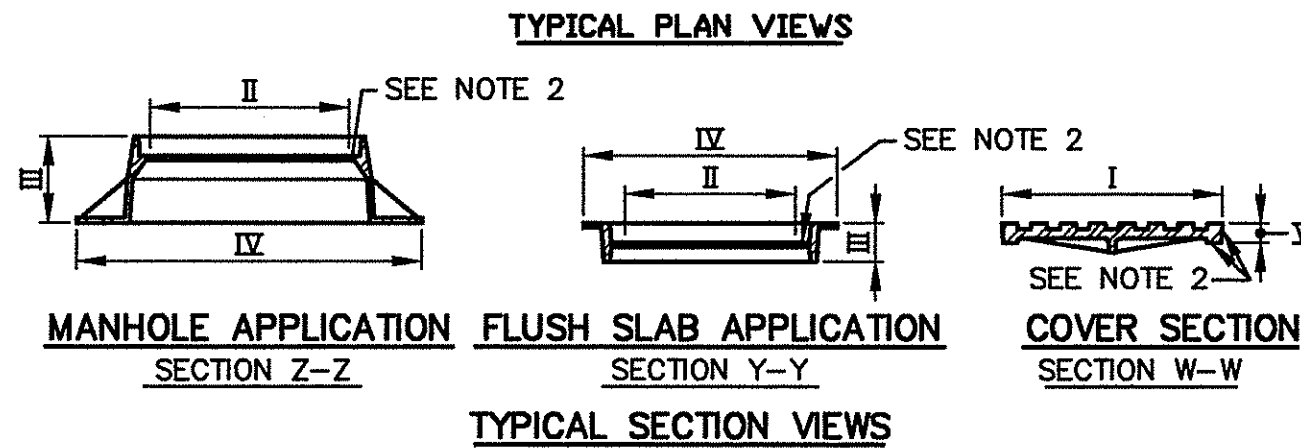
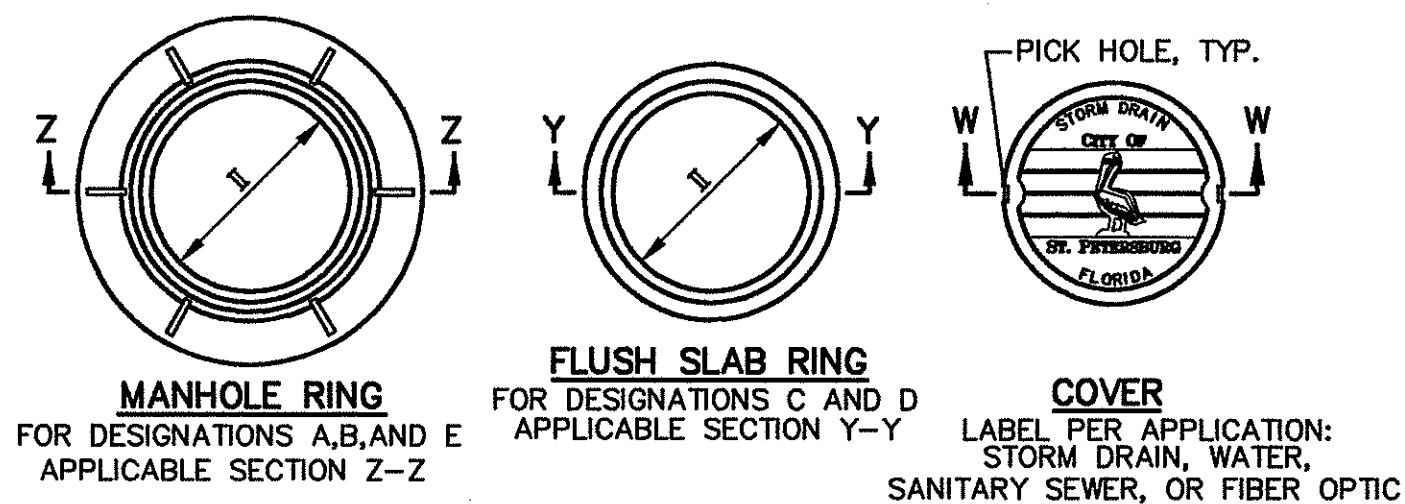


SCHEDULE						
TYPE	DIAMETER	WT WALL THICKNESS	SLAB THICKNESS	ACCESS DIAMETER	MAIN REINFORCEMENT	ADDITIONAL REINFORCEMENT
PRECAST	4'	6"	8"	24"	#6 @ 12" EW	2-#8 @ 3" DC
	5'	8"	8"	32"	#6 @ 12" EW	2-#8 @ 3" DC
	6'	8"	8"	32"	#6 @ 12" EW	2-#8 @ 3" DC
	7'	8"	8"	32"	#6 @ 10" EW	2-#8 @ 3" DC
BRICK	4'	8"	8"	32"	#6 @ 10" EW	2-#8 @ 3" DC
	5'	8"	8"	32"	#6 @ 12" EW	2-#8 @ 3" DC
	6' (3)	8"	8"	32"	#6 @ 12" EW	2-#8 @ 3" DC
	6' (3)	12"	8"	32"	#6 @ 10" EW	2-#8 @ 3" DC

NOTES:
 1. FOR GENERAL NOTES, SEE STANDARD DETAIL-STORM STRUCTURE NOTES.
 2. OPENING SHALL BE CENTERED IN TOP SLAB, UNLESS OTHERWISE NOTED, OR SHOWN.
 3. SEE BRICK MANHOLE DETAIL FOR OTHER CONDITIONS.

TYPE II MANHOLE TOP SLAB DETAIL

N.T.S.

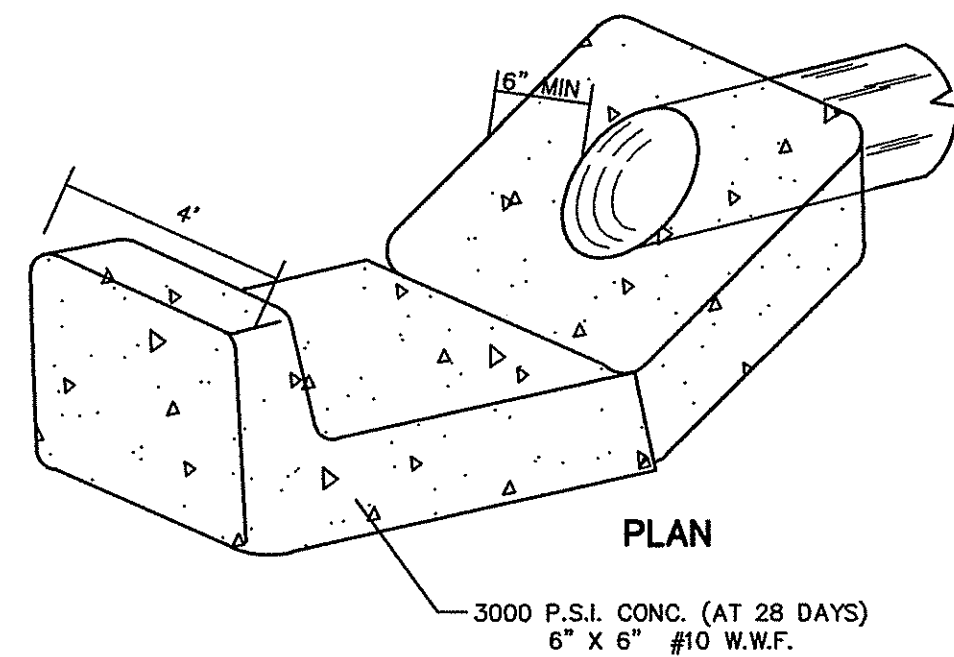
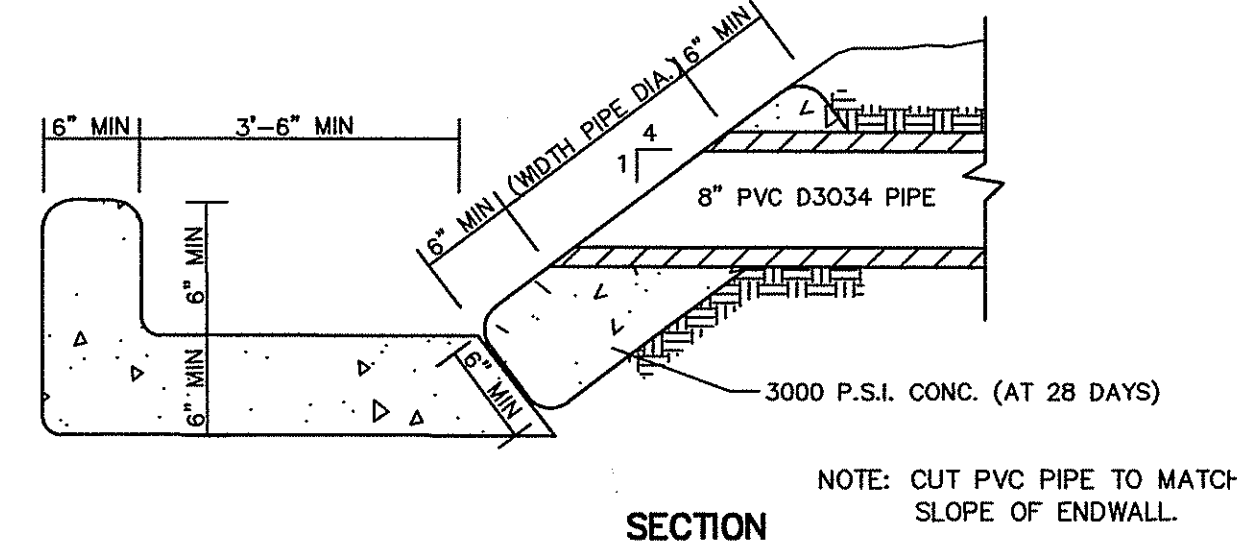


SCHEDULE											
CITY DESIGNATION	RING NO.	COVER TYPE	DIMENSION I	DIMENSION II	DIMENSION III	DIMENSION IV	DIMENSION V	RING WEIGHT	COVER WEIGHT	TOTAL WEIGHT	
A	485	EG	22-3/4"	20-3/4"	9"	36"	2"	240	130	370	
B	655	EH	34-1/8"	32"	4"	40-1/2"	1-1/2"	230	260	490	
C	1110	EF	22-1/4"	20-1/2"	4"	26-1/2"	1-1/2"	90	105	195	
D	1120	EH	34-1/8"	32-1/4"	4"	40-1/2"	1-1/2"	170	260	430	
E	576	BH	25-1/8"	24"	8"	34"	1-1/4"	215	140	355	

NOTES:
 1. RING AND COVER TYPES AS MANUFACTURED BY U.S. FOUNDRY AND MANUFACTURING CORP., FOR REFERENCE ONLY. (OR APPROVED EQUAL.)
 2. ALL SURFACES OF THE RING AND COVER WHICH CONTACT EACH OTHER SHALL BE MACHINED.
 3. MANHOLE RING AND COVER CASTING APPLICATIONS AS FOLLOWS:
 STORM DRAINS-
 TYPE A-FOR STORM DRAIN MANHOLES W/ PIPES UP TO 24" DIA. OR EQUAL, UNLESS OTHERWISE SHOWN.
 TYPE B-FOR STORM DRAIN MANHOLES W/ PIPES 27" DIA. OR EQUAL AND LARGER.
 TYPE C-FOR CATCH BASIN ACCESS, ALL PIPE SIZES.
 TYPE D-FOR STORM DRAIN MANHOLES WITH TOP OF TOP SLAB AT FINISHED GRADE, ALL PIPE SIZES.
 SANITARY SEWERS-
 TYPE B-FOR SANITARY SEWER MANHOLES W/ PIPES 21" DIA. AND LARGER.
 TYPE E-FOR SANITARY SEWER MANHOLES W/ PIPES UP TO 18" DIA.

MANHOLE RING AND COVER CASTING DETAIL

N.T.S.



PVC PIPE COLLAR DETAIL WITH SPLASH BLOCK

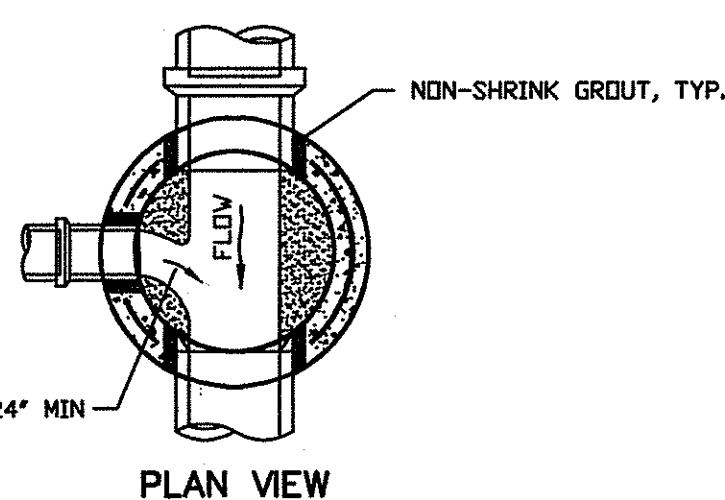
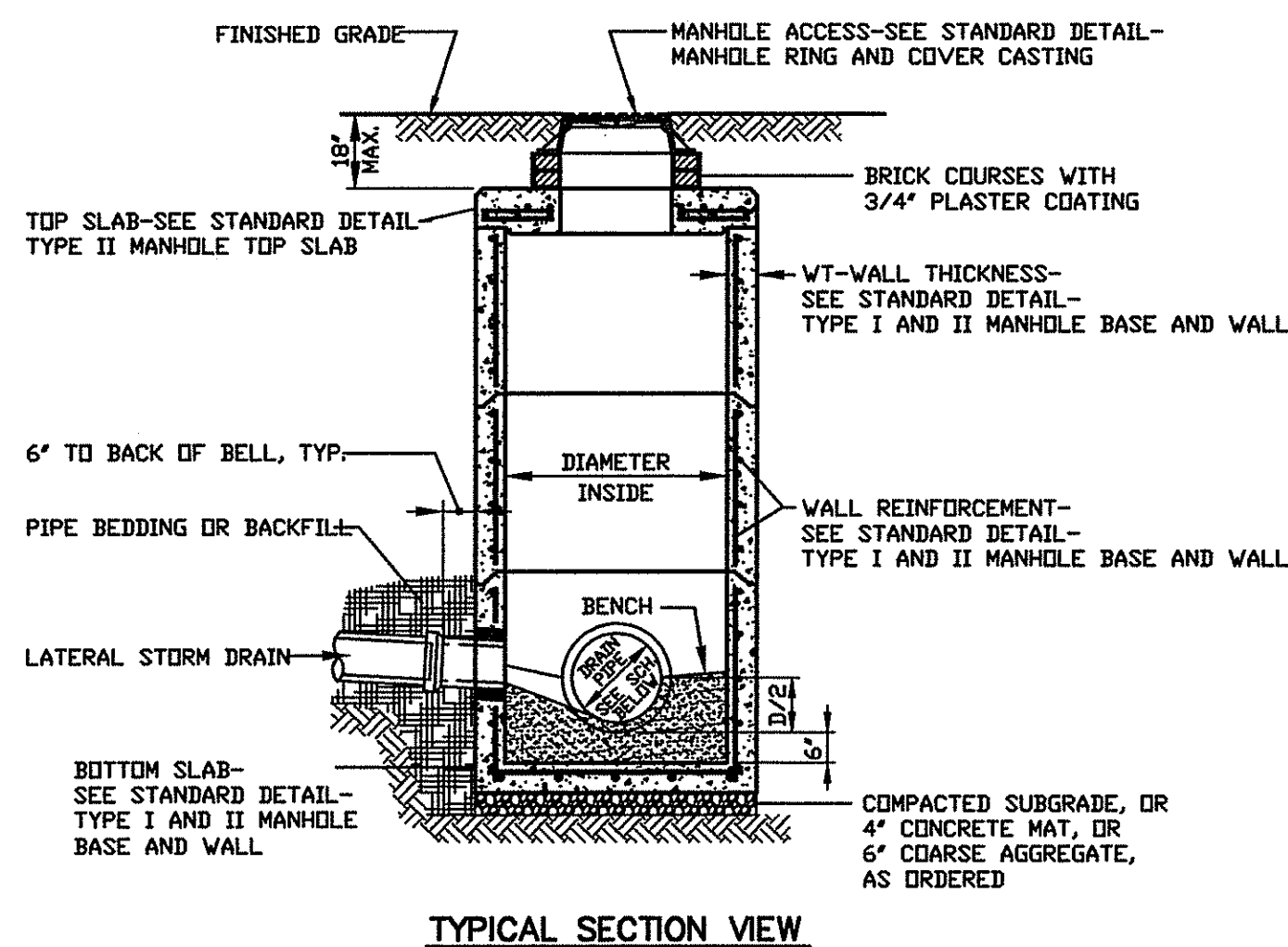
N.T.S.

NOTES FOR STORM STRUCTURES

- ALL PIPE STUBS FROM STRUCTURES FOR FUTURE CONNECTIONS, SHALL BE INSTALLED WITH REMOVABLE WATERTIGHT PLUGS, PLACED FROM WITHIN THE STRUCTURE.
- FOR APPLICABLE RING AND COVER, SEE STANDARD DETAIL - MANHOLE RING AND COVER CASTING.
- STORM STRUCTURES SHALL NOT HAVE OUTSIDE DROP CONNECTIONS.
- PROVIDE MINIMUM 8" SOLID WALL BETWEEN ALL OPENINGS FOR PIPES. SEAL BETWEEN PIPE AND STRUCTURE WITH NON SHRINK GROUT.
- ALL BRICK SHALL BE CONCRETE OR CLAY BRICK AND SHALL HAVE A MINIMUM 3/4" CEMENT PLASTER COATING ON ALL SURFACES.
- BENCH SHALL SLOPE @ 1:12 MINIMUM.
- PRIOR TO PRECASTING STRUCTURES THE PRECASTER SHALL SUBMIT SITE SPECIFIC INDIVIDUAL SHOP DRAWINGS FOR APPROVAL. SHOP DRAWINGS SUBMITTED FOR NONSTANDARD STRUCTURES OR STRUCTURES THAT DEVIATE FROM THE STANDARD DETAILS MUST BE DESIGNED AND CERTIFIED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
- PRECAST MANHOLES SHALL CONSIST OF A LIMITED NUMBER OF SECTIONS, AS APPROVED BY THE ENGINEER.
- ALL PRECAST STRUCTURES SHALL HAVE AN INTEGRAL FLOOR AND BASE RISER SECTION.
- FOR PRECAST STRUCTURE JOINT ASSEMBLY, SEE STANDARD DETAIL - PRECAST STRUCTURE JOINT ASSM.
- ALL EXPOSED EDGES TO HAVE 3/4" CHAMFER.
- A PROTECTIVE COATING SHALL BE APPLIED TO THE INSIDE AND OUTSIDE SURFACES OF INLETS, CATCH BASINS, MANHOLES AND ALL OTHER DRAINAGE STRUCTURES. THE PROTECTIVE COATING SHALL COVER THE COMPLETE EXTERIOR AND INTERIOR SURFACE OF THE STRUCTURE (INCLUDING CONE SECTIONS, RISERS, AND INVERT) FROM THE BOTTOM SLAB TO THE GROUND SURFACE EXCLUDING THE COVER CASTING, LTD. AND THE HORIZONTAL PLANE OF THE PIPE PENETRATIONS OR CUT OPENINGS. THE UNDERSIDE OF THE BOTTOM SLAB MAY ALSO BE EXCLUDED AT THE CONTRACTOR'S OPTION. THE PROTECTIVE COATING SHALL BE ONE COAT OF OIL TAR EPDM, KOP-COAT BITUMASTIC 300-H OR APPROVED EQUAL. THE DRY 9 MILS IN THICKNESS.
- ALL REINFORCING STEEL SHALL HAVE A MINIMUM 2" CONCRETE COVER.

STORM STRUCTURE NOTES

N.T.S.

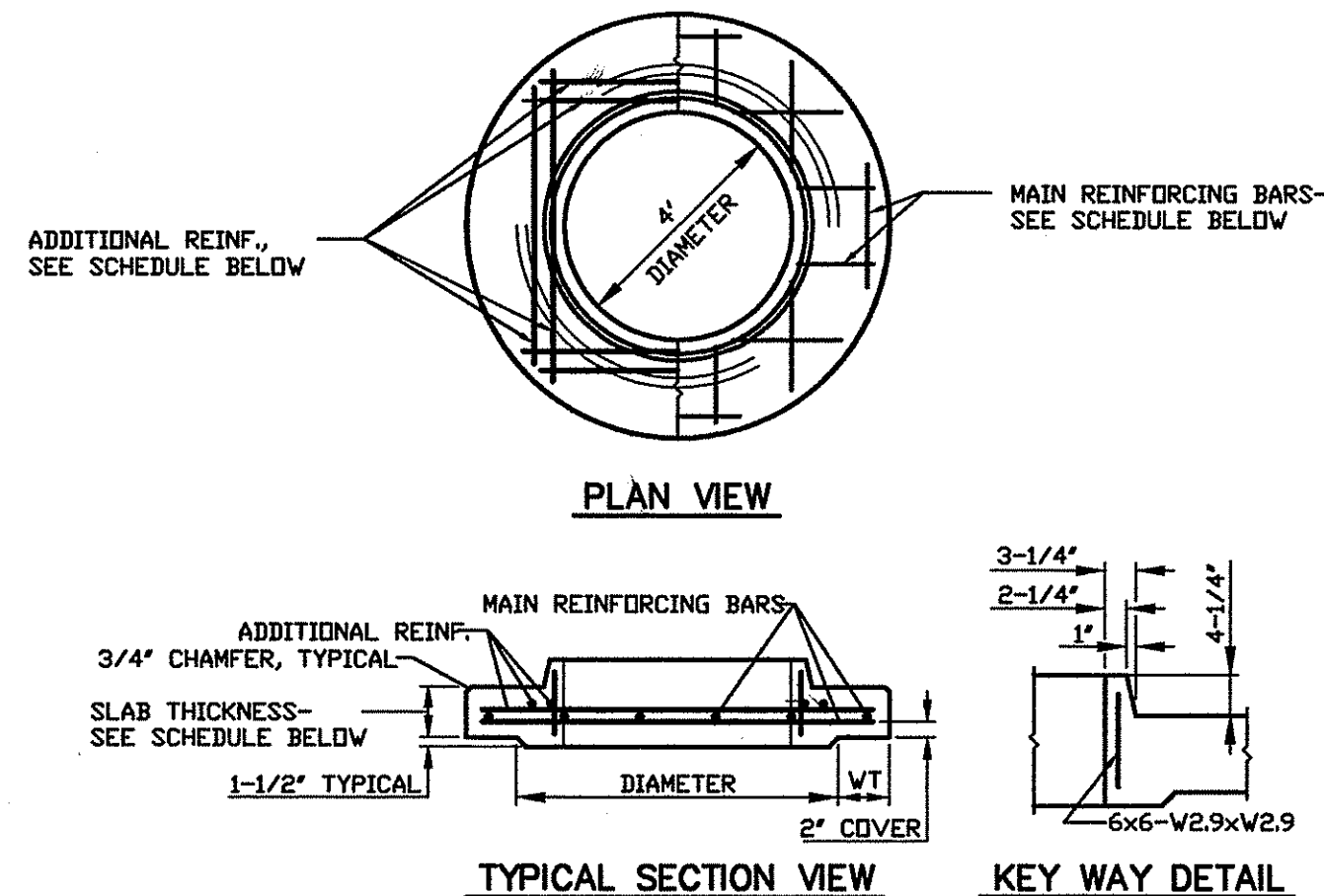


NOTE:
 FOR GENERAL NOTES, SEE STANDARD DETAIL-STORM STRUCTURE NOTES.

PRECAST STORM MANHOLE TYPE II DETAIL

N.T.S.

SCHEDULE		
DIA. INSIDE	RCP	ERCP
4'	24"	N/A
5'	30"	19"x30"
6'	42"	24"x38"
7'	48"	32"x49"
8'	66"	38"x60"

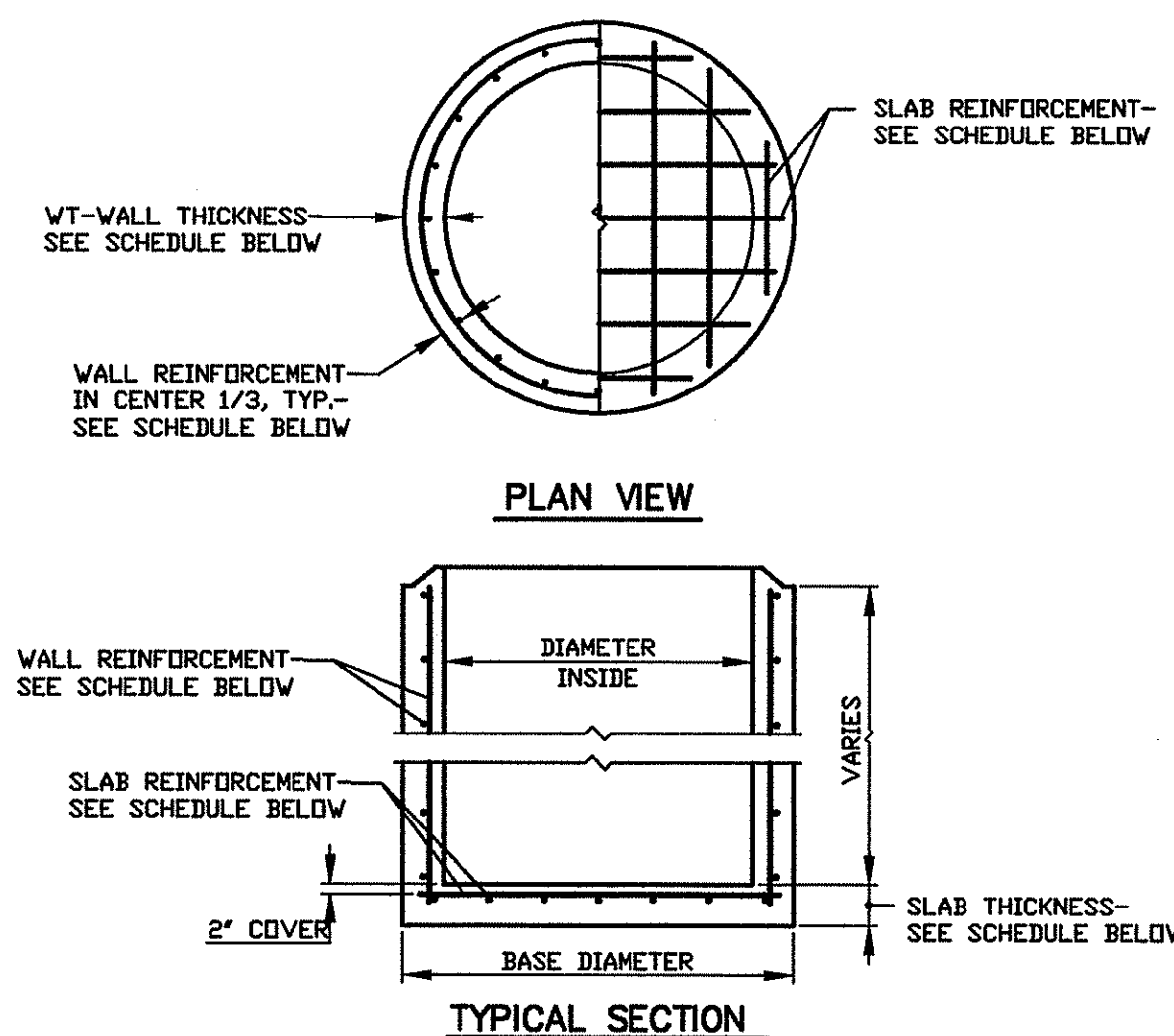


SCHEDULE				
DIAMETER	WT WALL THICKNESS	SLAB THICKNESS	MAIN REINFORCEMENT	ADDITIONAL REINFORCEMENT
6'	8"	8"	#6 @ 12" EW	2-#8 @ 3" DC
7'	8"	8"	#6 @ 10" EW	2-#8 @ 3" DC
8'	8"	8"	#6 @ 10" EW	2-#8 @ 3" DC

NOTES:
 1. FOR USE WITH MANHOLES DEEPER THAN 10', FROM RIM TO INVERT.
 2. FOR GENERAL NOTES, SEE STANDARD DETAIL-STORM STRUCTURE NOTES.
 3. OPENING SHALL BE CENTERED IN TOP SLAB, UNLESS OTHERWISE NOTED, OR SHOWN.
 4. NOT ALLOWED WITH BRICK MANHOLES.

TYPE II MANHOLE RISER INTERMEDIATE SLAB DETAIL

N.T.S.

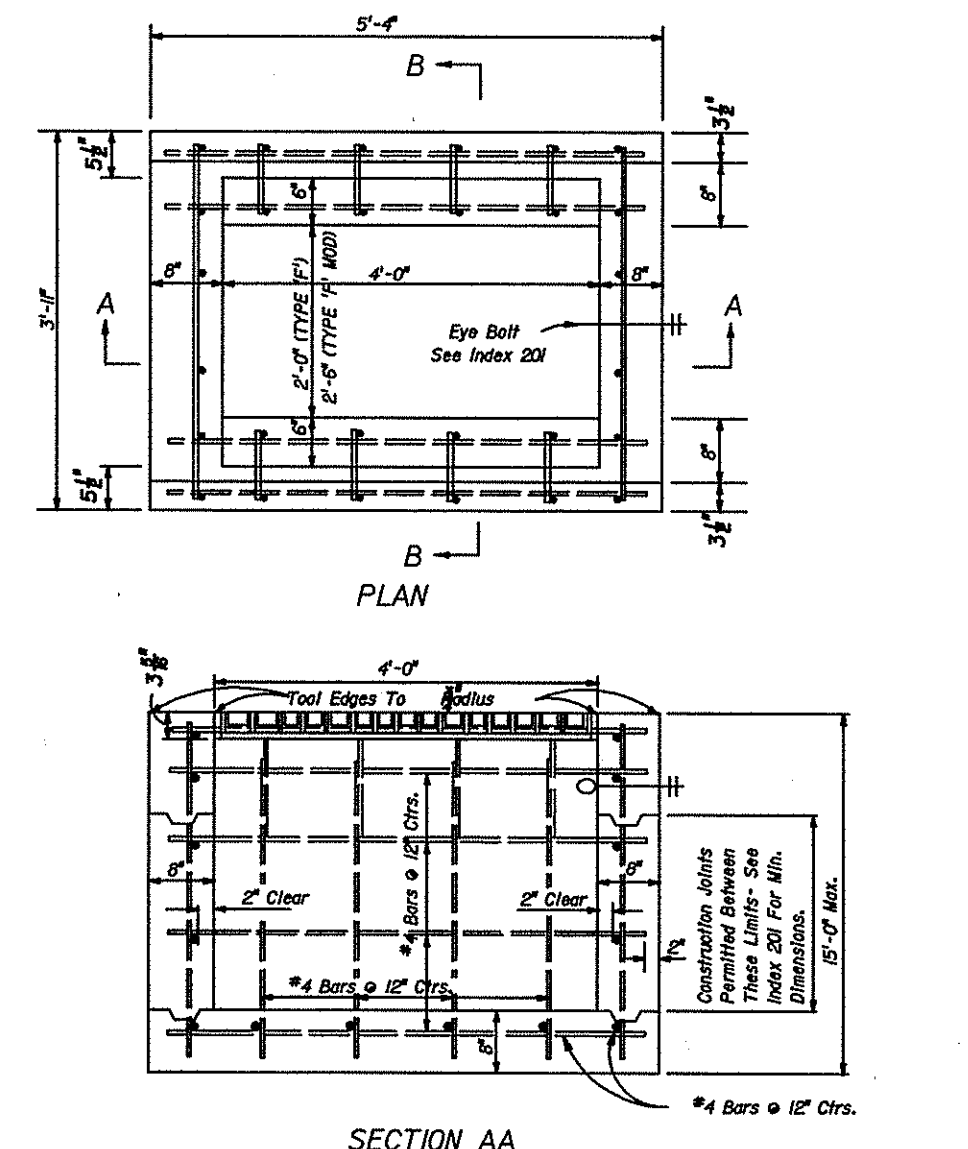


SCHEDULE					
DIAMETER INSIDE	BASE DIAMETER	WT WALL THICKNESS	WALL REINFORCEMENT	SLAB THICKNESS	SLAB REINFORCEMENT
4'	5'-0"	6"	#4 @ 12" EW	8"	#6 @ 12" EW
5' (3)	6'-4"	8"	#4 @ 12" EW	8"	#6 @ 12" EW
6'	7'-4"	8"	#4 @ 12" EW	8"	#6 @ 12" EW
7'	8'-4"	8"	#4 @ 12" EW	8"	#6 @ 10" EW
8'	9'-4"	8"	#4 @ 12" EW	10"	#6 @ 10" EW

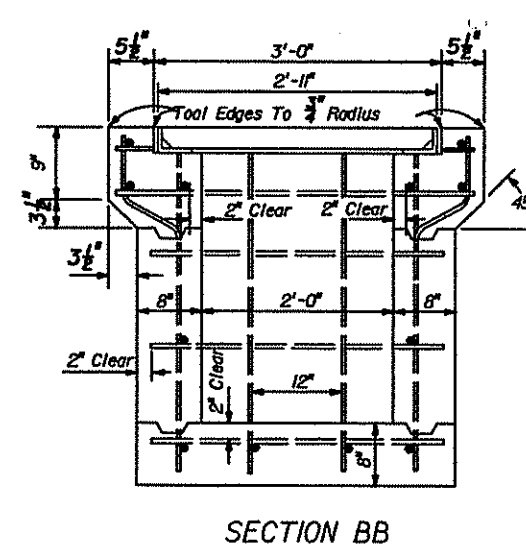
NOTES:
 1. FOR GENERAL NOTES, SEE STANDARD DETAIL-STORM STRUCTURE NOTES.
 2. WALL REINFORCEMENT MAY BE WELDED WIRE AS PER ASTE A-478.
 3. MAXIMUM SIZE ALLOWED FOR TYPE I MANHOLE.

TYPE I AND II MANHOLE BASE AND WALL DETAIL

N.T.S.



GENERAL NOTES
 1. These inlets are designed for use in ditches, medians, pavement areas, or other areas subject to heavy wheel loads where debris is minimal and is subject to pedestrian and/or bicycle traffic.
 2. Grate to be galvanized steel. Contractor to submit shop drawings for approval.
 3. These inlets may be used with All. B structure bottoms, index 800.



FDOT INDEX NO. 233 TYPE 'F' & 'F' MODIFIED INLET

N.T.S.

CLIENT

URBAN DEVELOPMENT SOLUTIONS
 6538 1ST AVE NORTH
 ST. PETERSBURG, FL. 33710

PROJECT NAME

TANGERINE PLAZA
 STORM DRAINAGE DETAILS

SEC. 25 TWP. 31 S. RNC. 16 E.

REVISIONS

No.	DESCRIPTION	DATE	BY
4.	FOR CONSTRUCTION	02/28/05	TAP
3.	ISSUED FOR BID	12/17/04	TAP
2.	CITY SUBMITTAL	12/09/04	TAP
1.	REVISED PLANS PER SHPMO AND RE-ISSUED	08/28/04	TAP



George F. Young, Inc.
 LB-021

ARCHITECTURE • ENGINEERING • ENVIRONMENTAL
 LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING
 ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE
 SARASOTA • NORTH PALM BEACH

RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North
 St. Petersburg FL 33701-0683
 Tel.: (727) 822-4317 Fax: (727) 822-2919

DESIGNED: NC
 DRAWN: TAP
 CHECKED: TAP
 DATE: 08/28/04
 SCALE: AS NOTED

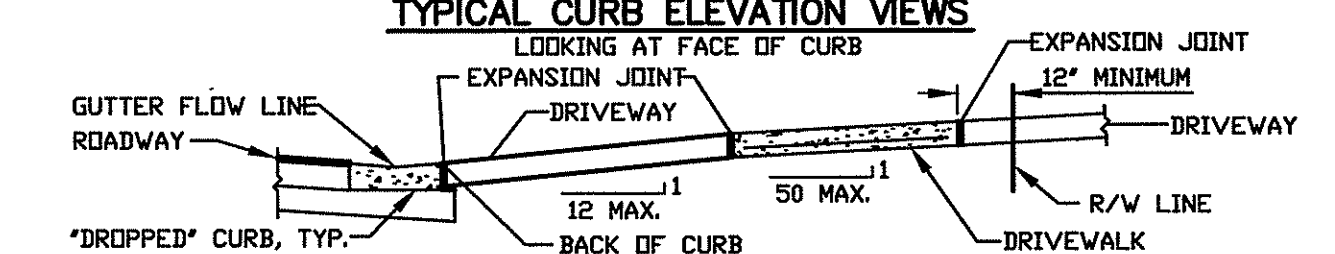
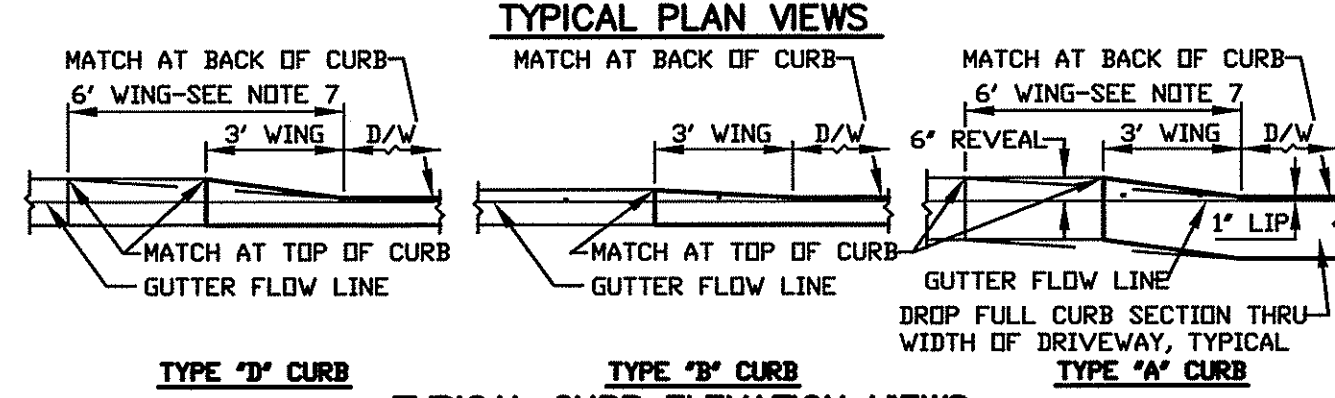
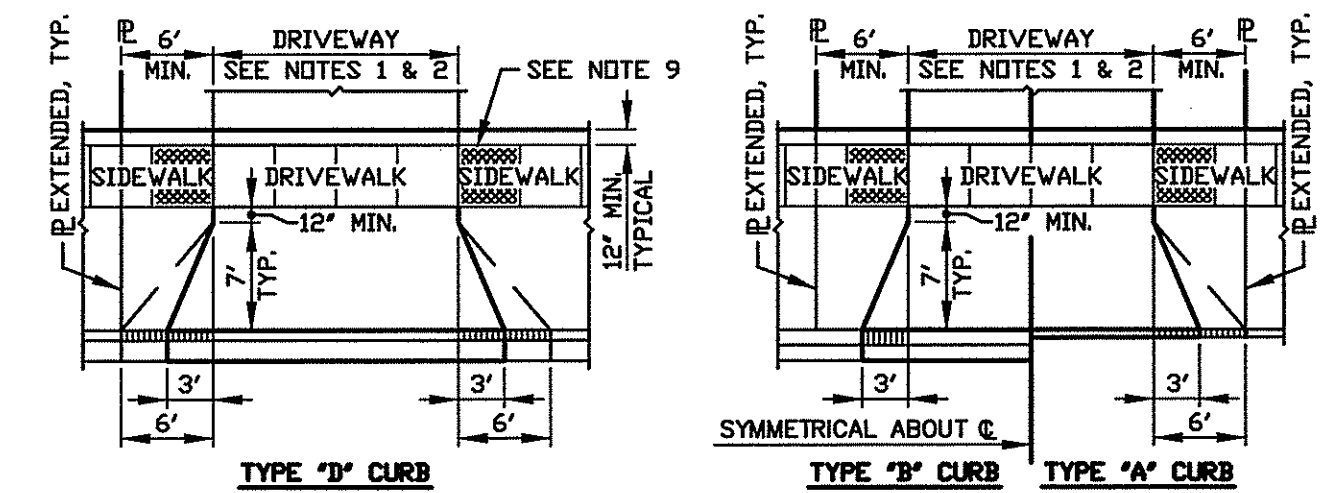
NOEL CORSON, P.E.
 FL. REG. NO. 45183

SHEET

C-5

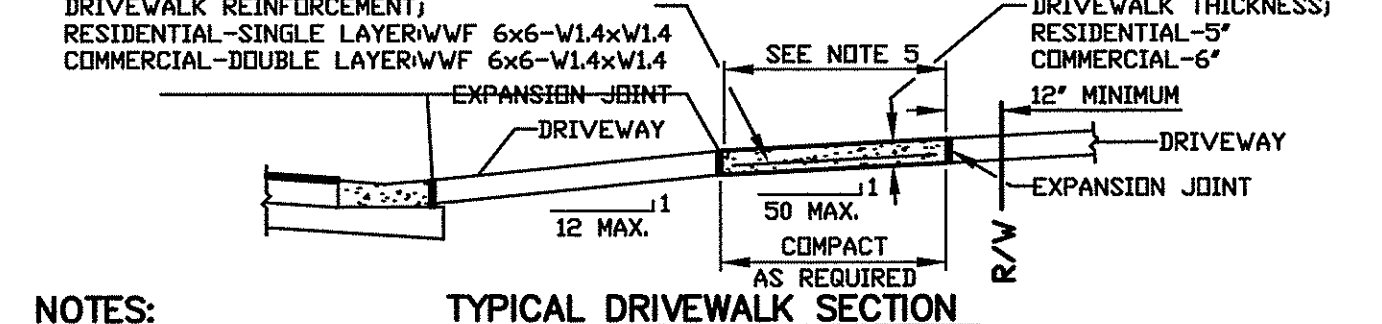
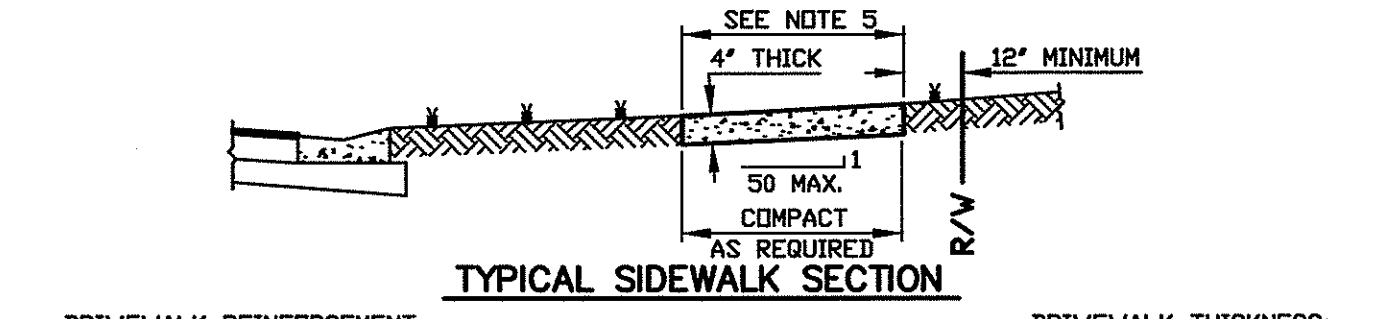
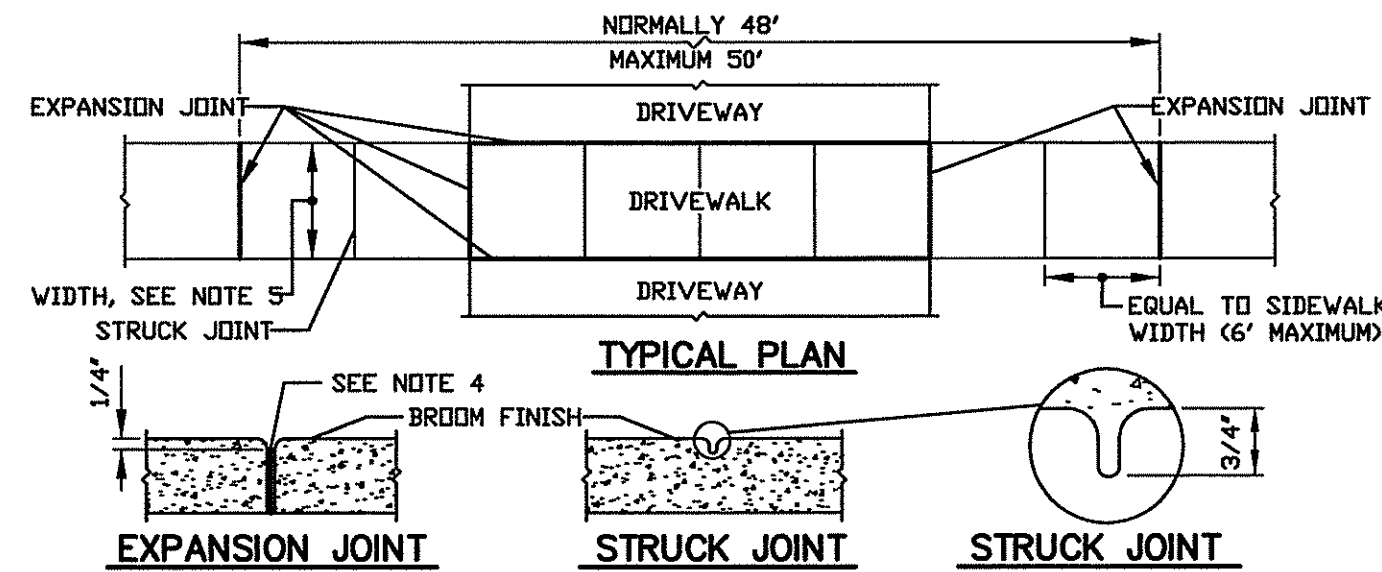
C-8

JOB No. 0311-0181-00



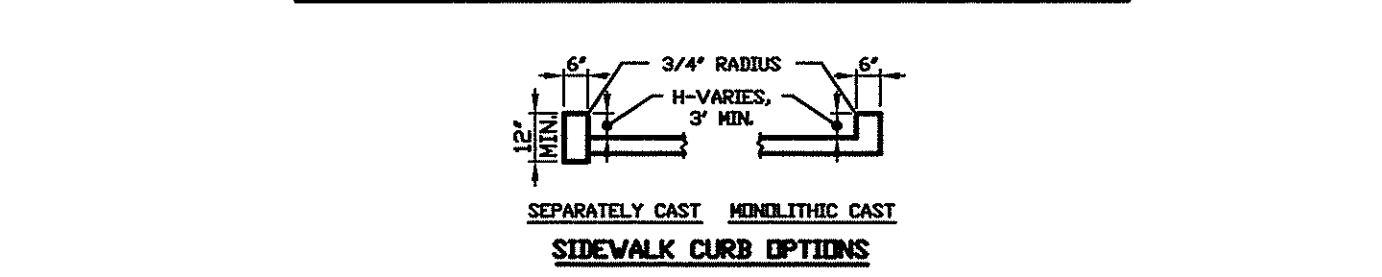
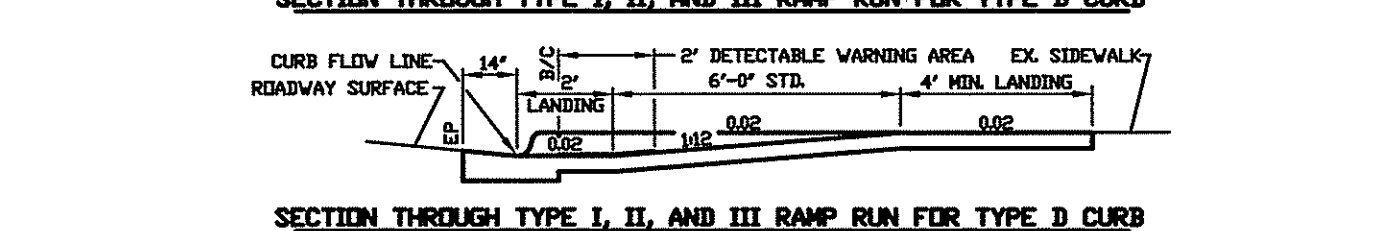
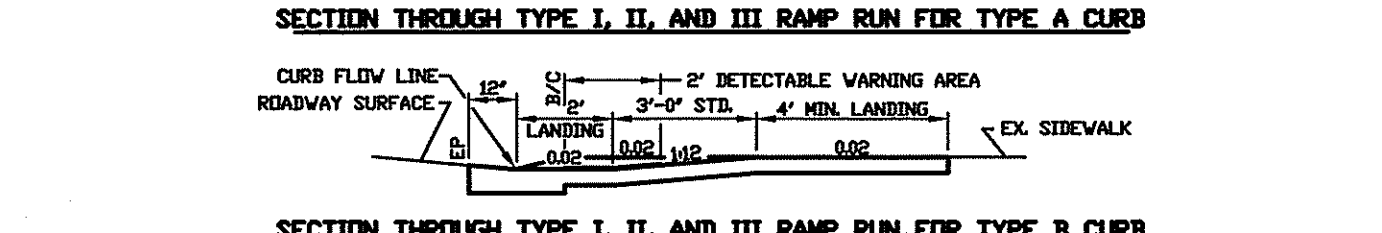
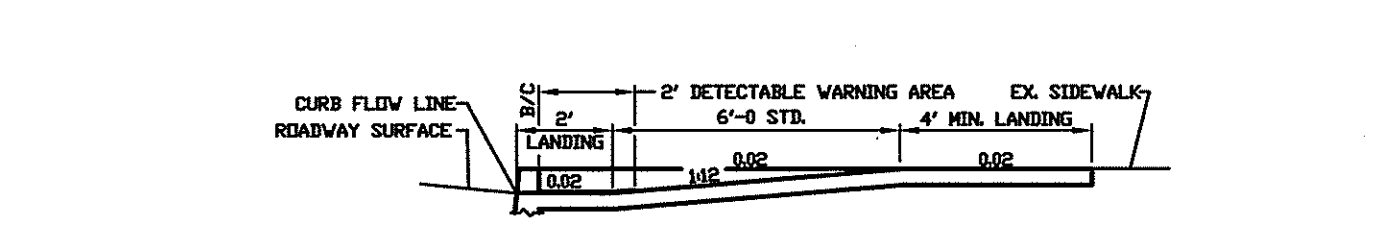
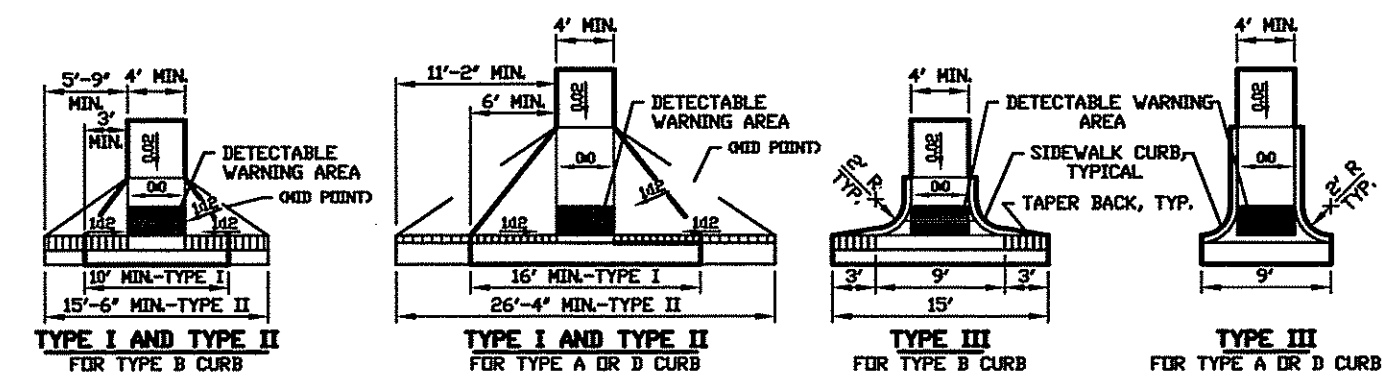
- NOTES:**
1. DRIVEWAY WIDTHS 12' MINIMUM TO LIMITS AS APPROVED BY THE ENGINEERING, STORMWATER, & TRANSPORTATION DIRECTOR.
 2. IF EXISTING DRIVEWAY IS LESS THAN 12' WIDE AT THE R/W LINE, REPLACEMENT WIDTH AT BACK OF SIDEWALK SET AT 12' WIDE, CENTERED ON EXISTING DRIVEWAY LOCATION.
 3. ALL COMMERCIAL CONCRETE DRIVES SHALL BE PLACED ON A COMPACTED SUBGRADE AND SHALL BE A MINIMUM OF 6" THICK REINFORCED WITH A DOUBLE LAYER OF WVF 6x6-V14xV14.
 4. ALL ASPHALTIC CONCRETE DRIVEWAYS SHALL BE PLACED ON A MINIMUM 8" COMPACTED LIMEROCK OR SHELL, BASE OVER A COMPACTED SUBGRADE, AS APPROVED BY THE ENGINEER. ASPHALTIC DRIVES SHALL BE A MINIMUM 1" THICK OF DOT TYPE S-III ASPHALTIC CONCRETE, OR OTHER ASPHALTS WITH APPROVAL BY THE ENGINEER.
 5. ALL BRICK DRIVEWAYS SHALL BE PLACED ON A 1" COMPACTED SAND BED OVER A MINIMUM 8" COMPACTED SHELL SUBGRADE WITH APPROVAL FROM THE ENGINEERING, STORMWATER, & TRANSPORTATION DIRECTOR.
 6. NO DRIVEWAYS SHALL BE ALLOWED IN CURB RADI.
 7. WHEN THE SIDEWALK ABUTS THE CURB THE WING SHALL BE 6" WIDE AS SHOWN.
 8. FOR DROPPED CURB REQUIREMENTS, SEE STANDARD DETAIL-TYPE "A", "B", AND "D" CURB.
 9. WHERE A SIDEWALK MEETS A DRIVEWAY, THE SIDEWALK PANELS ON BOTH SIDES OF DRIVEWAY SHALL HAVE A TACTILE SURFACE, WHERE A CURB IS PRESENT, PROPOSED, OR THE LANDING SLOPE IS GREATER THAN 2% A CURB RAMP SHALL BE REQUIRED, SEE STANDARD DETAIL-TYPE I, II, AND III SIDEWALK CURB RAMP.

COMMERCIAL DRIVEWAY CONSTRUCTION DETAIL



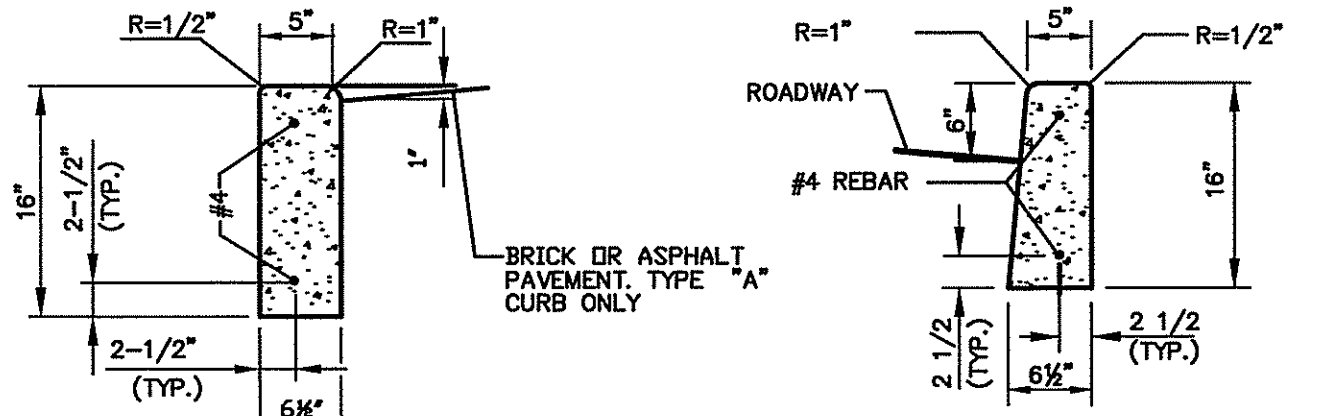
- NOTES:**
1. SIDEWALKS SHALL BE CONCRETE AND HAVE TOLDED EDGES.
 2. RESTORATION AND UTILITY CUTS SHALL BE A MINIMUM FULL PANEL BETWEEN EXISTING JOINTS.
 3. EXPANSION JOINTS SHALL BE INSTALLED WHERE SHOWN AND AT 50' MAXIMUM SPACING.
 4. EXPANSION JOINTS SHALL CONSIST OF CONTINUOUS 1/2"x6" MINIMUM, BITUMINOUS EXPANSION STRIP.
 5. SIDEWALKS SHALL CONFORM TO CITY CODE SECTION 16-857 AS FOLLOWS: SIDEWALKS SHALL BE REQUIRED ON BOTH SIDES OF ALL MAJOR ARTERIAL AND COLLECTOR STREETS ON THE NORTH AND WEST SIDES OF OF ALL LOCAL STREETS, COMMERCIAL SERVICE STREET, AND LOCAL STREETS LEADING TO SCHOOLS, PARKS, SHOPPING CENTERS, CHURCHES, AND OTHER PUBLIC FACILITIES. SIDEWALK WIDTHS SHALL BE NOT LESS THAN THE FOLLOWING:
 - A) 6' ALONG ARTERIAL AND COLLECTOR ROADWAYS.
 - B) 4' ALONG ROADWAYS NOT DESIGNATED ON TRAFFIC CORRIDORS MAP, IN RESIDENTIAL AND INDUSTRIAL ZONES.
 - C) 5' ALONG ROADWAYS NOT DESIGNATED ON THE TRAFFIC CORRIDORS MAP, IN COMMERCIAL AND OFFICE ZONES.
 - D) 4' FOR PEDESTRIAN CROSSWALKS.
 6. RAMP SHALL BE PERPENDICULAR TO CURB/ROADWAY AND SHALL BE SLOPED IN ONE DIRECTION ONLY.

SIDEWALK AND DRIVEWALK CONSTRUCTION DETAIL



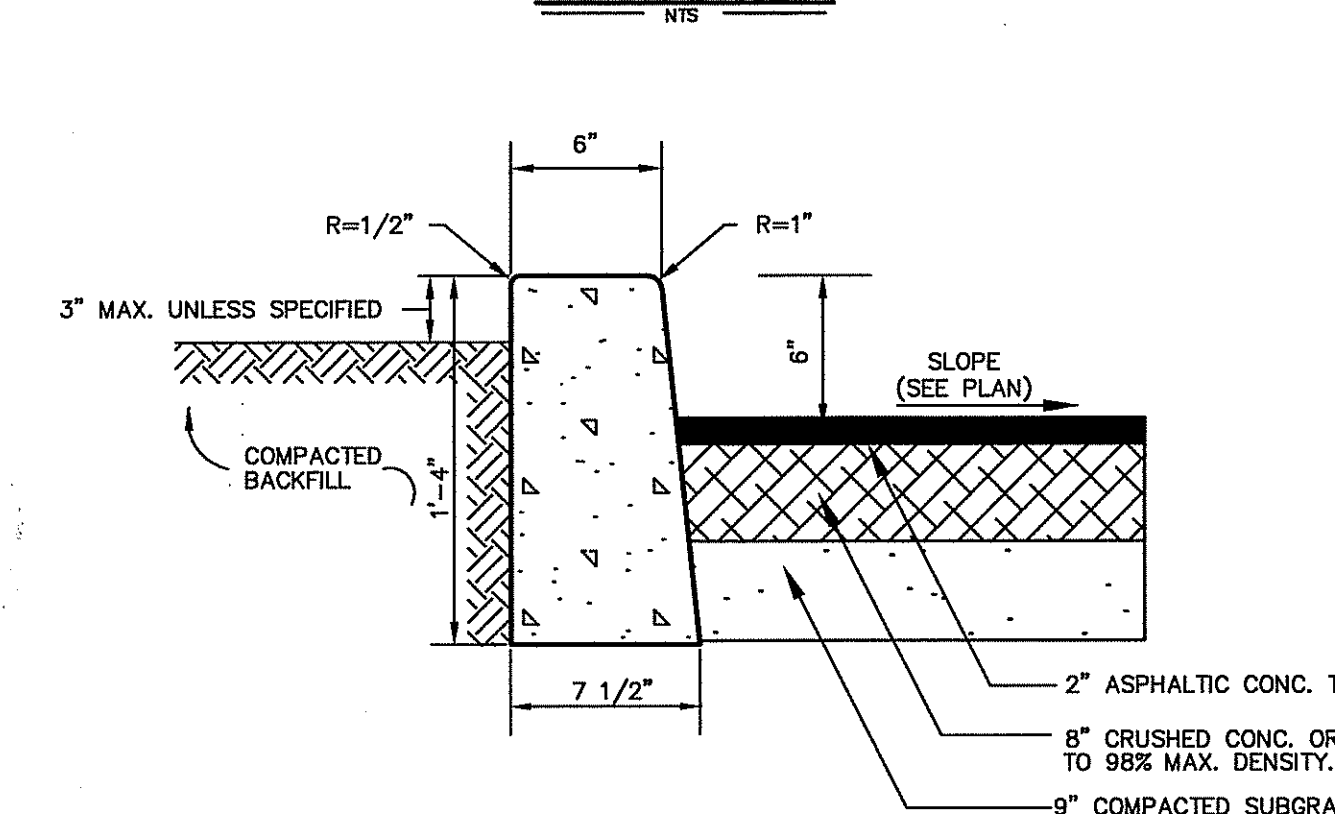
- NOTES:**
1. FOR DETECTABLE SURFACE REQUIREMENTS AND OPTIONS, SEE STANDARD DETAIL-DETECTABLE WARNING SURFACES.
 2. IF CONDITIONS DO NOT ALLOW TRANSITION SLOPES ON TYPE I RAMP, USE TYPE III RAMP.
 3. ALL EDGES ABUTTING CURB AND SIDEWALK SHALL HAVE 1/2" BITUMINOUS STRIP EXPANSION MATERIAL.
 4. FOR CONDITIONS NOT SHOWN, SEE FDOT INDVX 0394, PAGES 1 OF 5 THRU 5 OF 5, WITH A REVISION DATE OF 07/24/02, OR LATER.
 5. RAMP SHALL BE PERPENDICULAR TO CURB/ROADWAY AND SHALL BE SLOPED IN ONE DIRECTION ONLY.

TYPE I, II, AND III SIDEWALK CURB RAMP DETAIL

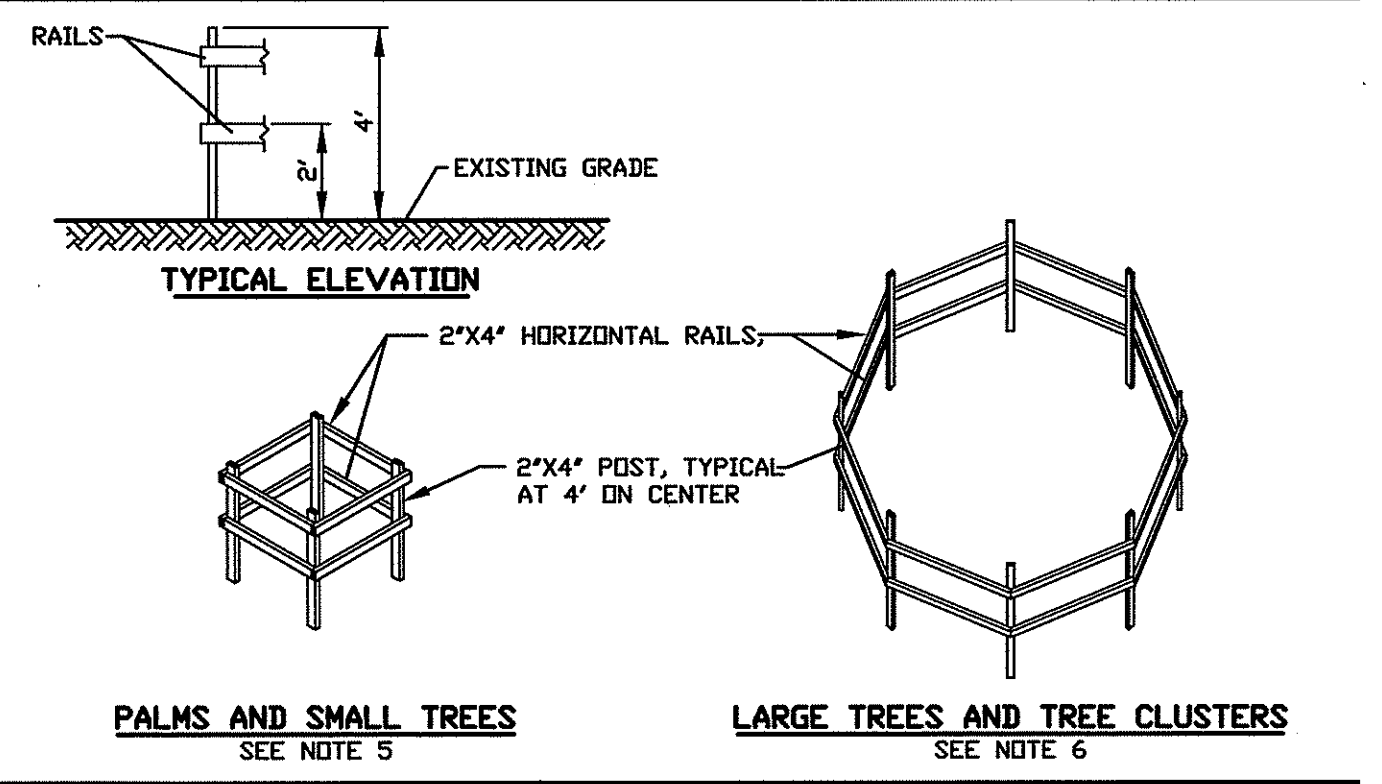
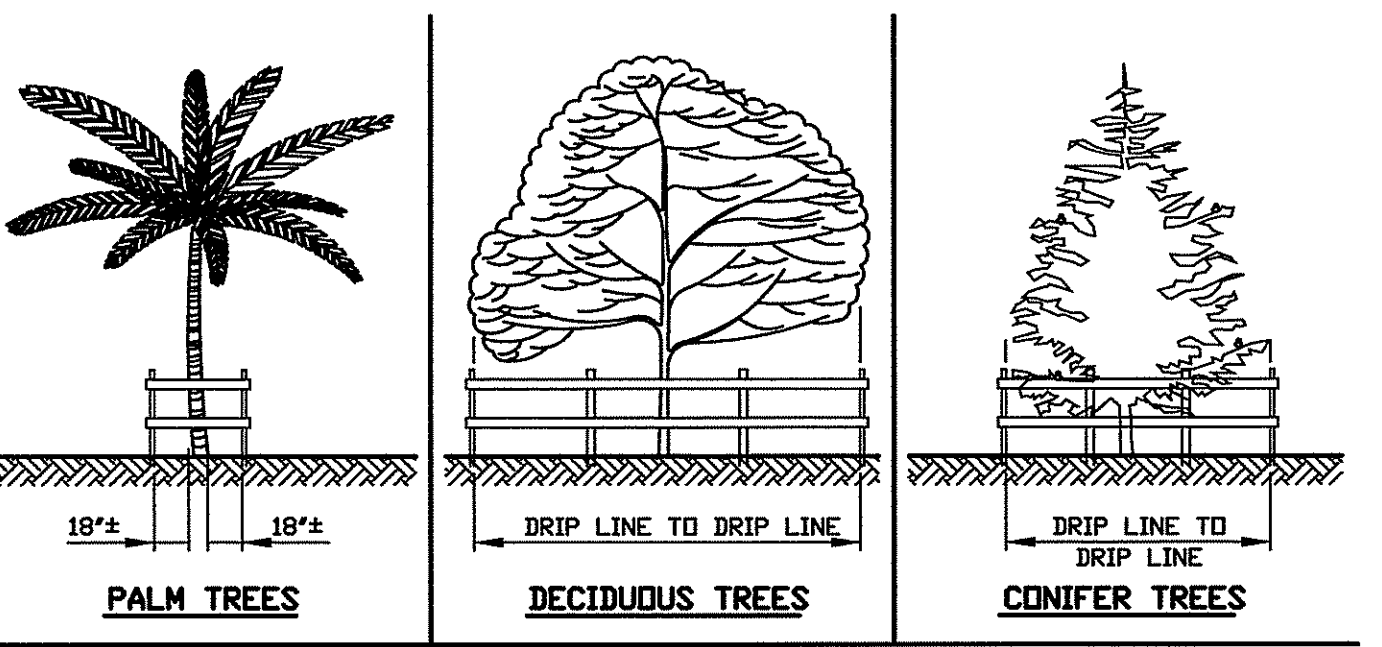


- NOTES:**
1. WHEN REMOVING EXISTING CURB, THE CURB SHALL BE SAW CUT AT THE NEAREST CONSTRUCTION JOINT AND A FULL SECTION OF CURB REPLACED.
 2. INSTALL EXPANSION JOINTS AT 50' INTERVALS, STRUCK CONSTRUCTION JOINTS AT 10' INTERVALS.

TYPE 'A', 'B', AND 'D' CURB DETAIL

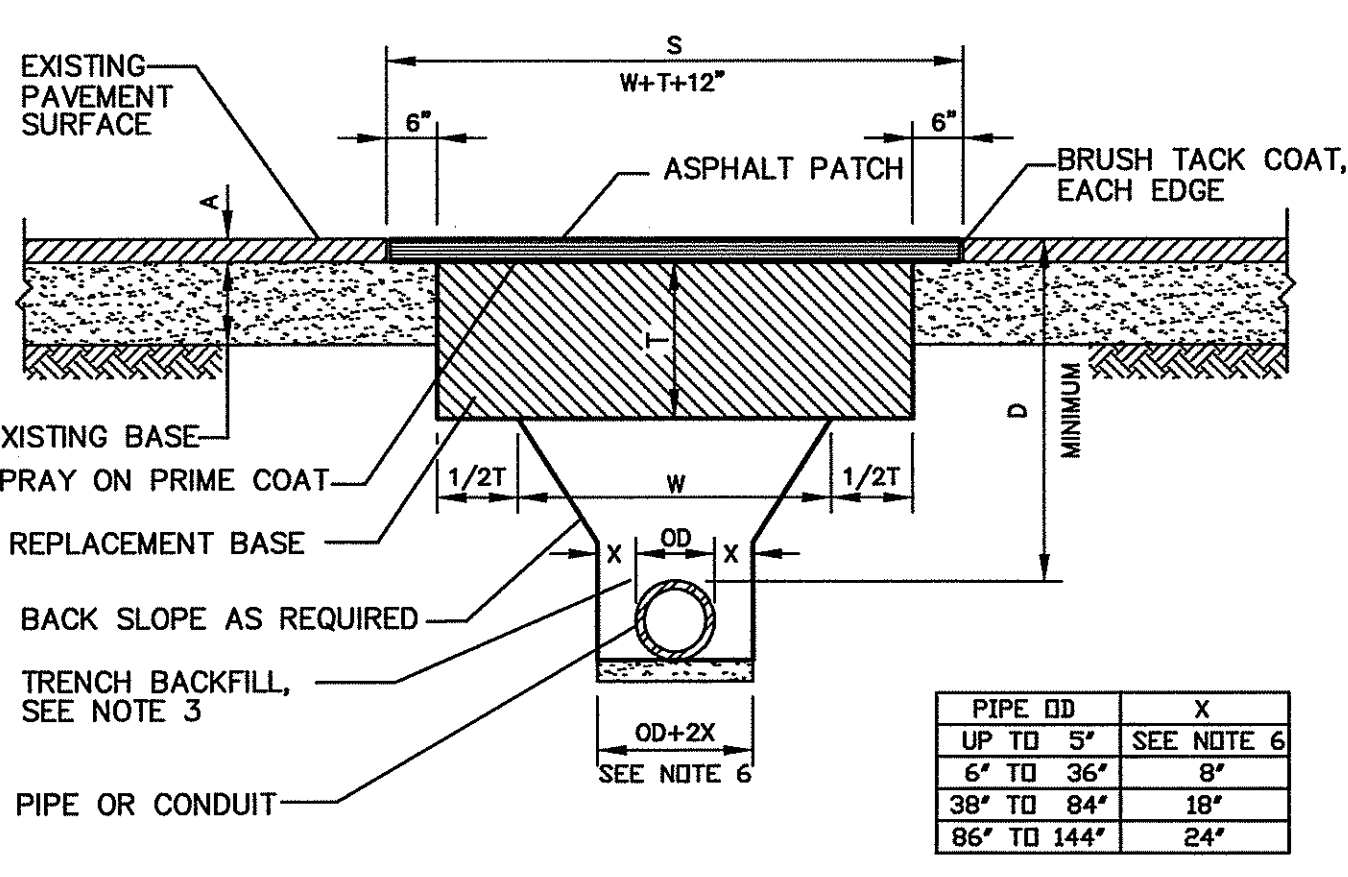


6" VERTICAL CURB & TYPICAL PAVEMENT SECTION



- NOTES:**
1. NO TRUCKS OR HEAVY EQUIPMENT ALLOWED WITHIN BARRIERS. ONLY HAND LABOR ALLOWED.
 2. NO CONSTRUCTION MATERIALS, SOIL DEPOSITS, OR SOLVENTS SHALL BE ALLOWED INSIDE BARRIERS.
 3. BARRIERS ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITIES NEAR TREES.
 4. BARRIERS ARE TO REMAIN IN PLACE UNTIL ALL PAVING, CONSTRUCTION, AND HEAVY EQUIPMENT ARE REMOVED FROM THE AREA.
 5. FOR SINGULAR PALM TREES AND TREES FROM 1" TO 8" DBH.
 6. FOR LARGER TREES LARGER THAN 8" DBH AND TREE CLUSTERS THAT NEED BARRIERS.

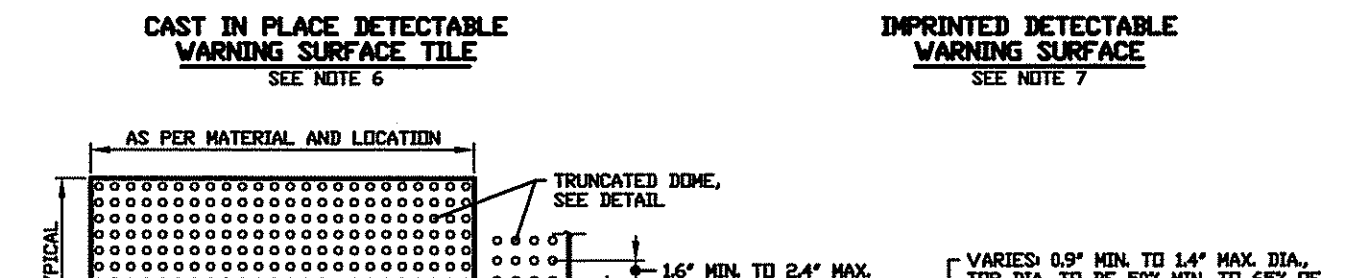
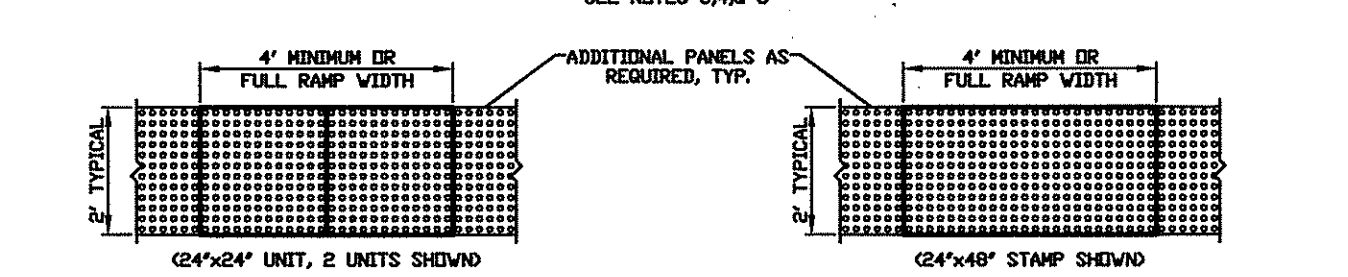
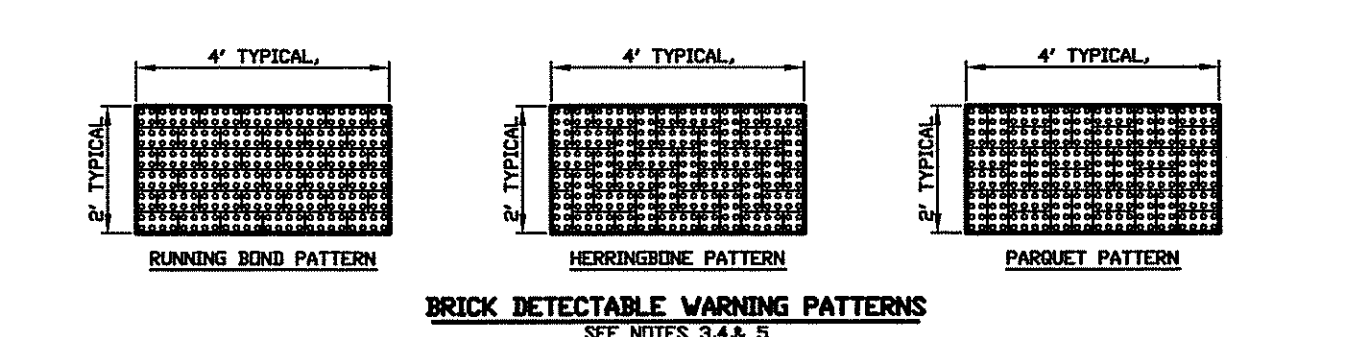
TREE PROTECTION FENCE BARRIERS DETAIL



SCHEDULE				
	ITEM	ALLEY/DRIVE	STD. ROAD	HEAVY DUTY ROAD
A	ASPH. THICKNESS MINIMUM	1"	1"	2-1/4"
T	BASE THICKNESS MINIMUM	9"	12"	16"
S	SURFACE REPL. MINIMUM	24"	36"	36"
D	DEPTH (COVER) MINIMUM	30"	30"	36"

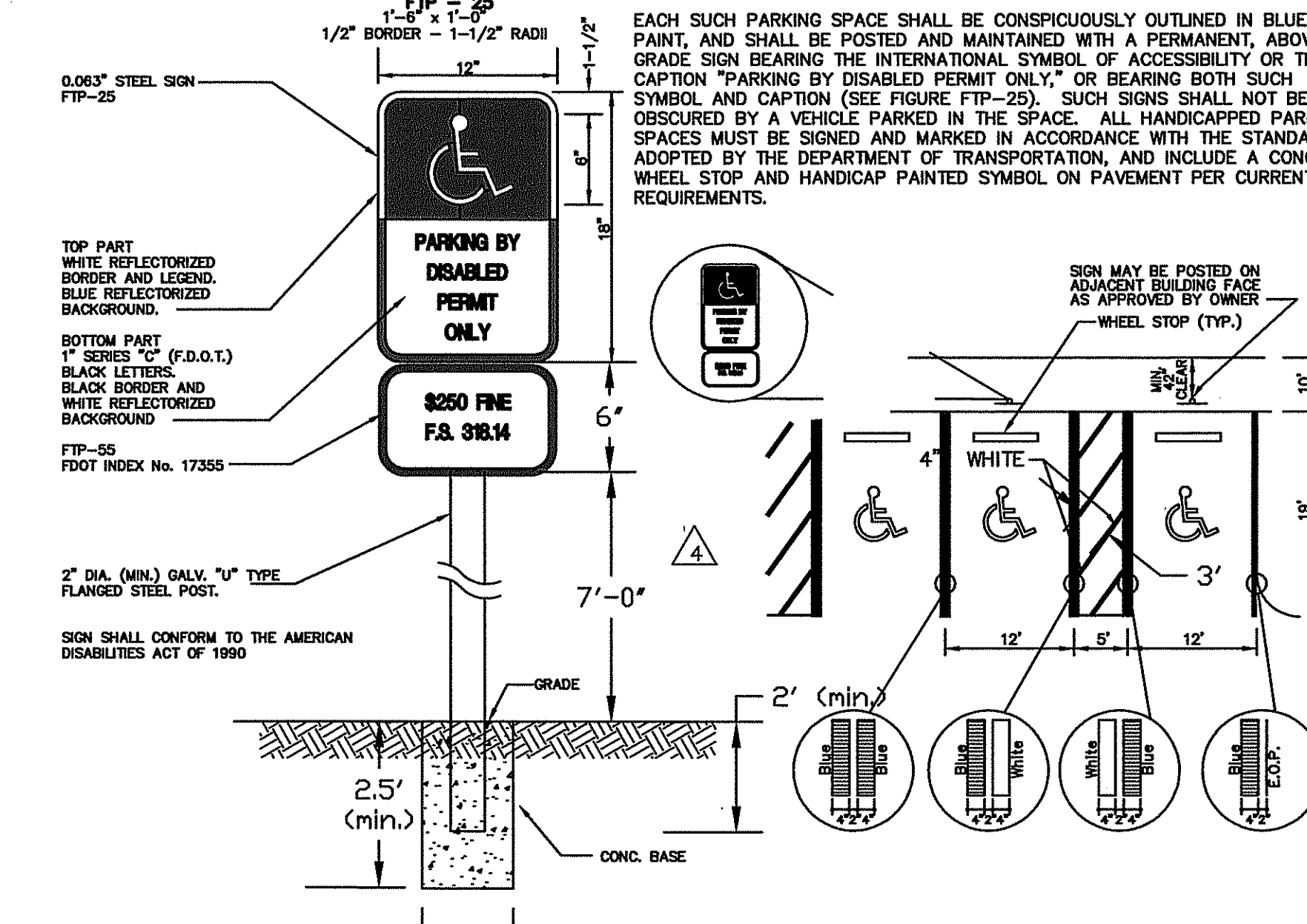
- NOTES:**
1. FOR USE WHERE PERMISSION HAS BEEN GRANTED FOR "OPEN CUT" INSTALLATION.
 2. ALL PAVING PREPARATION SHALL MEET CITY SPECIFICATIONS.
 3. REPLACEMENT BASE AND TRENCH BACKFILL SHALL BE PLACED IN 6" LIFTS, EACH LIFT COMPACTED TO 98% AS PER SPECIFICATIONS.
 4. PAVEMENT JOINTS SHALL BE MECHANICALLY SAW CUT.
 5. BASE MATERIAL SHALL BE LIMEROCK, SHELL, OR CRUSHED (RECLAIMED) CONCRETE TO MATCH BASE MATERIAL, BUT OF THICKNESS SHOWN HERE.
 6. FOR PIPES/CONDUITS LESS THAN 5" OD, DITCH WIDTH MAY BE REDUCED TO WIDTH OF THE MECHANICAL TAMPER IF BACKFILLED WITH DRY 15:1 SAND/CEMENT MIX, OR OTHER APPROVED MATERIAL, TO 4" ABOVE PIPE.

FLEXIBLE PAVEMENT RESTORATION DETAIL



- NOTES:**
1. CURB RAMP DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP. DETECTABLE WARNING SURFACE SHALL BE CONSTRUCTED BY TEXTURING A TRUNCATED DOME PATTERN IN CONFORMANCE WITH THE U.S. DEPARTMENT OF A.D.A. STANDARDS FOR ACCESSIBLE DESIGN, A.D.A. ACCESSIBILITY GUIDELINES, SECTION 4.02.2, SEE DETAIL ABOVE. THE TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS.
 2. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. COLOR AND DOME CONFIGURATION SHALL BE CONSISTENT AT EACH RAMP.
 3. DETECTABLE WARNING PAVERS SHALL CONFORM TO ASTM C 902 "PEDESTRIAN AND LIGHT TRAFFIC PAVING BRICK".
 4. DETECTABLE WARNING PAVERS SHALL BE ON 1" SAND BED COMPACTED, OVER NATIVE SOIL, COMPACTED TO 98% OF MAXIMUM DENSITY.
 5. DETECTABLE WARNING PAVERS SHALL BE AS MANUFACTURED BY PINE HALL BRICK OR EQUAL.
 6. CAST IN PLACE DETECTABLE WARNING SURFACE TILE SHALL BE AS MANUFACTURED BY ARMOR-TILE OR EQUAL (PART NO. ADH-203). 1/2" DETECTABLE WARNING SURFACE TILE IN LINE.
 7. IMPRINTED DETECTABLE WARNING SURFACE STAMP SHALL BE AS MANUFACTURED BY STAMPRETE OR EQUAL. STAMP SIZE SHALL BE 24"x24" OR 24"x48".
 8. CONCRETE USED WITH THE STAMP METHOD SHALL HAVE AGGREGATE NO LARGER THAN 1/2".
 9. ALL MATERIALS SHALL BE INSTALLED AS PER THESE CONDITIONS AND THOSE OF THE MANUFACTURER'S REQUIREMENTS.

DETECTABLE WARNING SURFACES DETAIL



HANDICAPPED PARKING DETAIL AND HANDICAP SIGN/POST

CLIENT
URBAN DEVELOPMENT SOLUTIONS
6538 1ST AVE NORTH
ST. PETERSBURG, FL. 33710

PROJECT NAME
TANGERINE PLAZA
PAVING AND GRADING DETAILS

SEC. 25 TWP. 31 S. RING. 16 E.

REVISIONS

No.	DESCRIPTION	DATE	BY
1.	FOR CONSTRUCTION	02/28/05	TAP
2.	REVISED PER CITY COMMENTS & FOR BID ADDENDUM NO. 2	01/19/05	TAP
3.	ISSUED FOR BID	12/17/04	TAP
4.	CITY SUBMITTAL	12/08/04	TAP
5.	REVISED PLANS PER SFWMD AND RE-ISSUED	08/26/04	TAP



George F. Young, Inc.
ARCHITECTURE • ENGINEERING • ENVIRONMENTAL
LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING
ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE
SARASOTA • NORTH PALM BEACH

RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North
St. Petersburg, FL 33701-0683
Tel.: (727) 822-4317 Fax: (727) 822-2919

DESIGNED: NC
DRAWN: TAP
CHECKED: TAP
DATE: 08/26/04
SCALE: AS NOTED

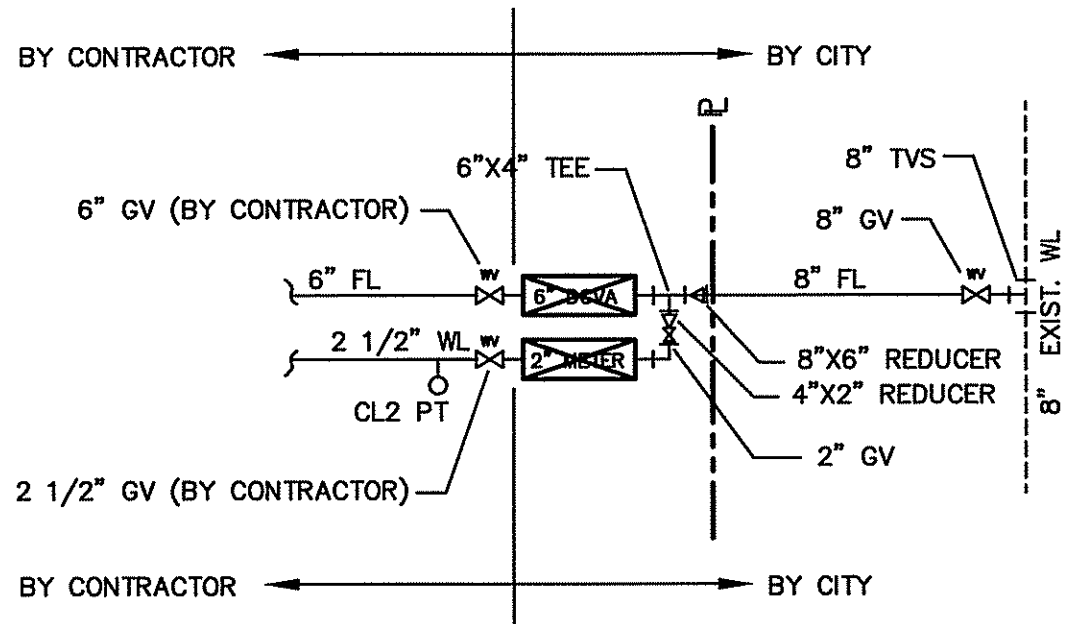
NOEL CORSON, P.E.
FL. REG. NO. 45183

SHEET

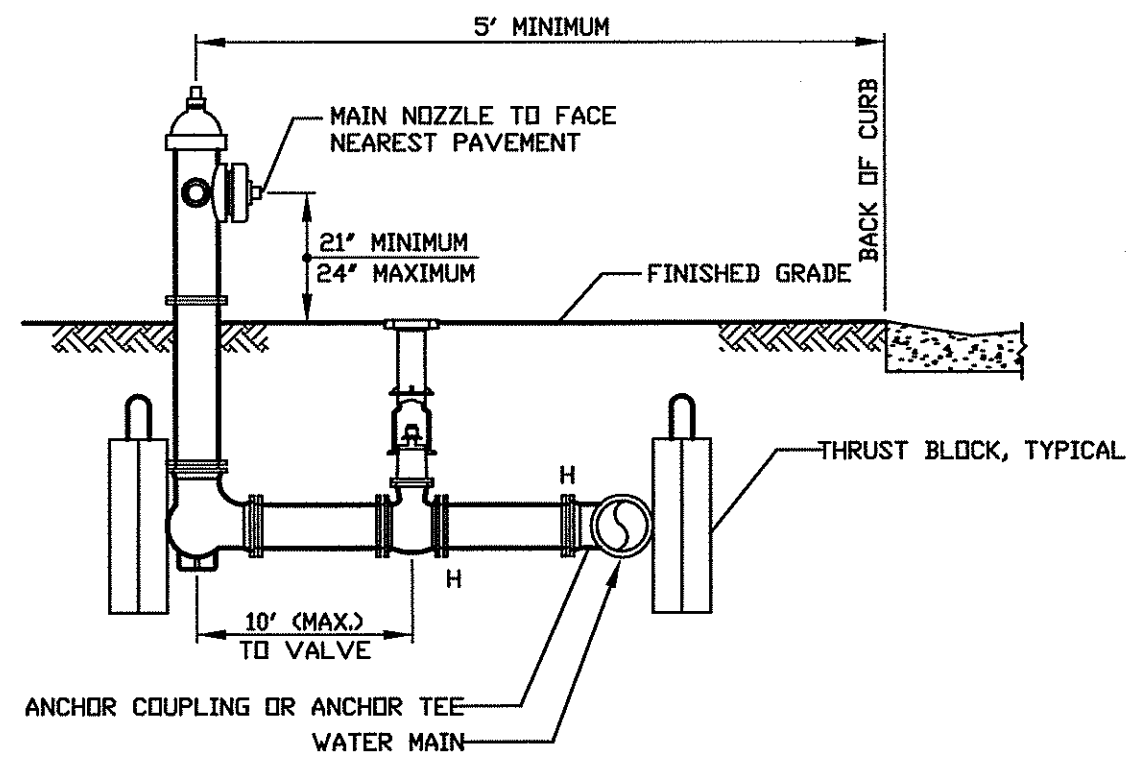
C-7

C-8

JOB NO. 0311-0181-00



WATER SERVICE DETAIL
N.T.S.



HYDRANT INSTALLATION
DETAIL
N.T.S.

ST. PETERSBURG DETAIL # S50-25

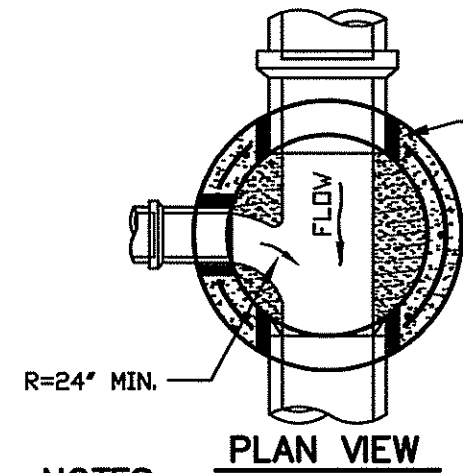
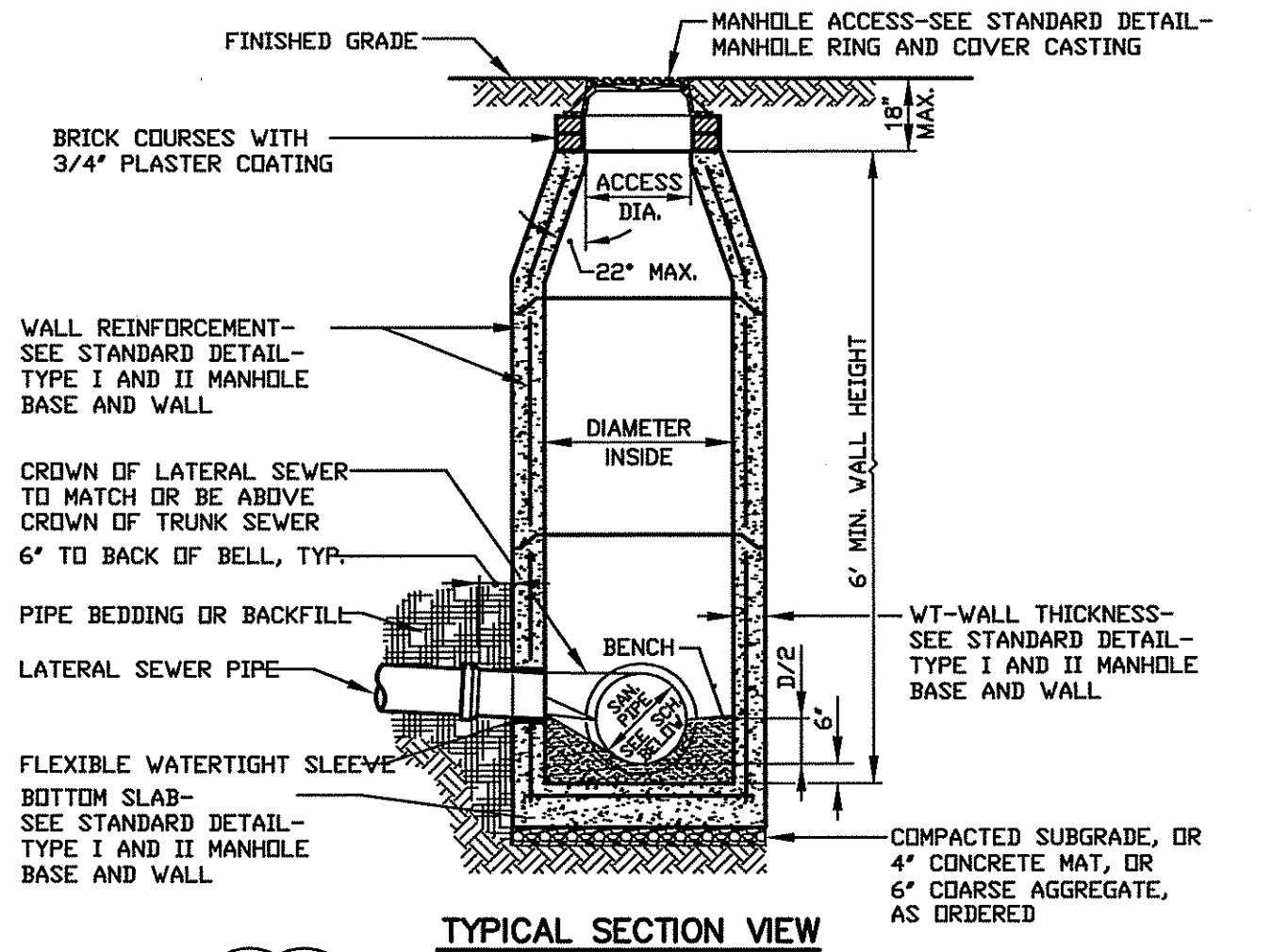
NOTES:

1. LOCATION OF HYDRANT AND VALVE TO BE DETERMINED IN THE FIELD. DO NOT PLACE WITHIN 3' OF THE NEAREST OBSTRUCTION.
2. H = HARNESS JOINT. (MECHANICAL JOINT W/ D.I. RETAINER GLAND).
3. STANDARD HYDRANT W/ 36" BURY, 42", 48", AND 54" BURY ARE AVAILABLE.
4. MINIMUM COVER: 30" IN PARKWAY, AND 36" UNDER ROADWAY AND PAVED AREAS.

NOTES FOR SANITARY STRUCTURES

1. ALL MANHOLES SHALL BE PRECAST CONCRETE OR FIBERGLASS REINFORCED POLYESTER (FRP), UNLESS OTHERWISE SHOWN OR APPROVED BY THE ENGINEER.
2. ALL PIPE STUBS FROM PRECAST MANHOLES, FOR FUTURE CONNECTIONS, SHALL BE INSTALLED WITH REMOVABLE WATERTIGHT PLUGS, PLACED FROM WITHIN THE MANHOLE.
3. ALL TYPE I CONE SECTIONS SHALL BE CONCENTRIC WITH RING CASTING CENTERED IN STRUCTURE, UNLESS OTHERWISE SHOWN OR DIRECTED BY THE ENGINEER.
4. THE CONE SECTION OF TYPE I PRECAST MANHOLE SHALL BE PRECAST.
5. NO PIPE SHALL BE IN THE MANHOLE CONE SECTION.
6. ALL MANHOLES WITH SLAB TOP SHALL BE TYPE II, SEE STANDARD DETAIL-TYPE II MANHOLE TOP SLAB.
7. A DROP MANHOLE SHALL BE REQUIRED WHEN THE INVERT OF ANY INCOMING PIPE IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. ALL DROP PIPE SHALL BE ON THE OUTSIDE OF THE MANHOLE.
8. PRIOR TO PRECASTING STRUCTURES THE PRECASTER SHALL SUBMIT SITE SPECIFIC INDIVIDUAL SHOP DRAWINGS FOR APPROVAL. SHOP DRAWINGS SUBMITTED FOR NONSTANDARD STRUCTURES OR STRUCTURES THAT DEVIATE FROM THE STANDARD DETAILS MUST BE DESIGNED AND CERTIFIED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
9. PRECAST MANHOLES SHALL CONSIST OF A MINIMUM NUMBER OF SECTIONS, AS APPROVED BY THE ENGINEER.
10. ALL PRECAST STRUCTURES SHALL HAVE AN INTEGRAL FLOOR AND BASE RISER SECTION, SEE STANDARD DETAIL-TYPE I AND II MANHOLE BASE AND WALL.
11. FOR PRECAST STRUCTURE JOINT, SEE STANDARD DETAIL-PRECAST STRUCTURE JOINT ASSEMBLY.
12. ALL EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
13. FOR THE APPLICABLE RING AND COVER, SEE STANDARD DETAIL-MANHOLE RING AND COVER CASTING.
14. PRECAST BASE SECTION SHALL BE INSTALLED ON A CONCRETE MAT WITHIN 2 HOURS OF PLACEMENT OF THE MAT.
15. ALL BRICK SHALL BE CLAY BRICK AND SHALL HAVE A MINIMUM 3/4" CEMENT PLASTER ON ALL SURFACES.
16. BENCH SHALL SLOPE @ 1:12 MINIMUM.
17. A PROTECTIVE COATING SHALL BE APPLIED TO THE INSIDE AND OUTSIDE SURFACES OF STRUCTURES, EXCEPT FRP'S. THE PROTECTIVE COATING SHALL COVER THE COMPLETE EXTERIOR AND INTERIOR SURFACE OF THE STRUCTURE, (INCLUDING CONE SECTIONS, RISERS, AND INVERT) FROM THE BOTTOM SLAB TO THE GROUND SURFACE EXCLUDING THE COVER CASTING, LTD. AND THE HORIZONTAL PLANE OF THE PIPE PENETRATIONS OR CUT OPENINGS. THE UNDERSIDE OF THE BOTTOM SLAB MAY ALSO BE EXCLUDED AT THE CONTRACTOR'S OPTION. 2 COATS OF THE PROTECTIVE COATING SHALL BE APPLIED TO THE INSIDE, AND 1 SHALL BE APPLIED TO THE OUTSIDE. THE COATING SHALL BE OF TAR EPOXY, KOP-COAT BITUMASTIC 300-M OR APPROVED EQUAL. EACH COATING SHALL YIELD A FINAL DRY FILM 9 MILS IN THICKNESS.
18. PRIOR TO MANUFACTURING OF FRP MANHOLE, MANUFACTURER SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS FOR THE DESIGN OF INVERT AND BENCH AREA, PIPE CONNECTIONS, FABRICATION DETAILS AND INSTALLATION METHODS FOR APPROVAL.
19. FOR FRP MANHOLES A FIBERGLASS ENCLOSED INVERT AND BENCH MAY BE INSTALLED BY THE MANUFACTURER OR CONCRETE MAY BE USED FOR THE BENCH AREA AND INVERT, AS DIRECTED BY THE ENGINEER.
20. FRP STIFFENING RIBS ARE REQUIRED AT 10' DEPTH OR MORE.

SANITARY STRUCTURE
NOTES
N.T.S.

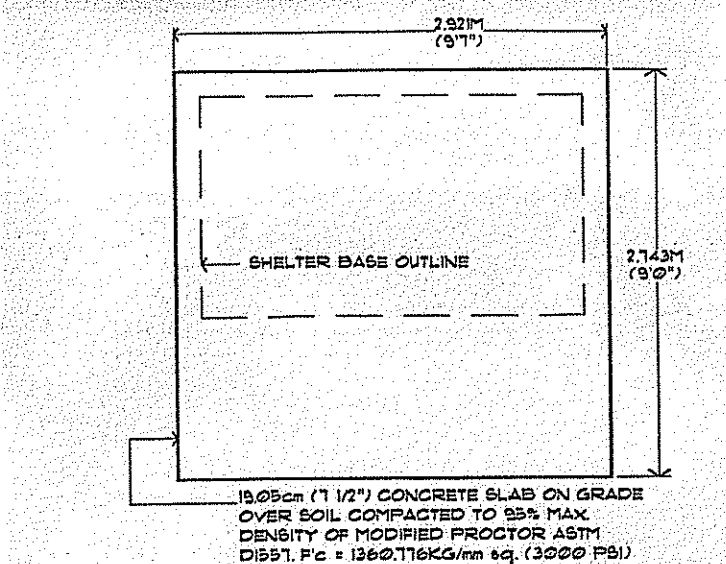


SCHEDULE		
DIA. INSIDE	ACCESS DIA.	RECOMMENDED MAXIMUM PIPE
4'	24"	24"
5'	32"	30"

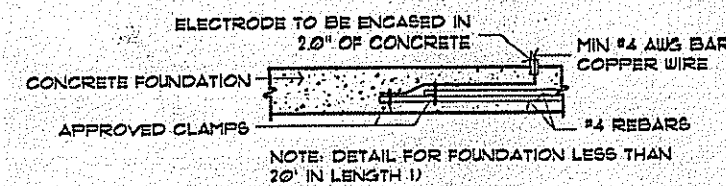
NOTES:

1. WALL REINFORCEMENT TO BE PLACED IN THE CENTER 1/3 OF WALL.
2. WALL REINFORCEMENT MAY BE WELDED WIRE AS PER ASTM C-478.
3. SEE GENERAL NOTES, STANDARD DETAIL-SANITARY MANHOLE NOTES.

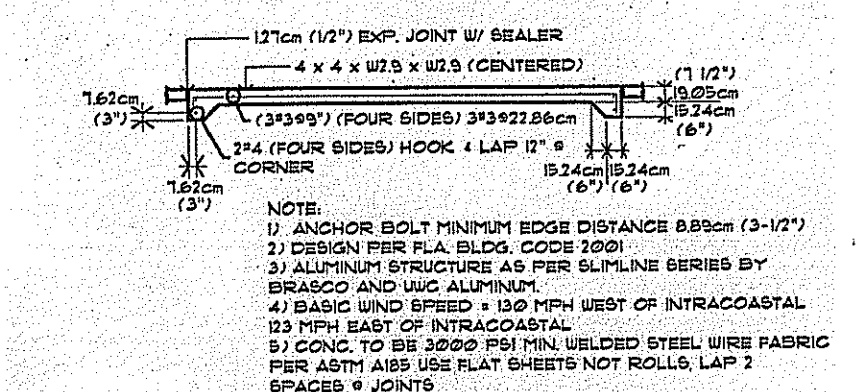
SANITARY PRECAST MANHOLE
TYPE I DETAIL
N.T.S.



SLAB PLAN
TYPE "A" SHELTER
1/4"=1'-0"



DETAIL "A" SHELTER
1/4"=1'-0"



SLAB SECTION
TYPE "A" SHELTER
1/4"=1'-0"

BUS SHELTER
SLAB DETAIL
N.T.S.

CLIENT

URBAN DEVELOPMENT SOLUTIONS
6538 1ST AVE NORTH
ST. PETERSBURG, FL. 33710

PROJECT NAME

TANGERINE PLAZA
UTILITY DETAILS

REVISIONS

No.	DESCRIPTION	DATE	BY
5.	ADDED BUS SHELTER DETAIL	06/09/05	TAP
4.	FOR CONSTRUCTION	02/28/05	TAP
3.	REVISED PER CITY COMMENTS & FOR BID ADDENDUM NO. 2	01/19/05	TAP
2.	ISSUED FOR BID	12/17/04	TAP
1.	CITY SUBMITTAL	12/08/04	TAP



George F. Young, Inc.
LB-021

ARCHITECTURE • ENGINEERING • ENVIRONMENTAL
LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING
ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE
SARASOTA • NORTH PALM BEACH

RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North
St. Petersburg, FL 33701-0683
Tel.: (727) 822-4317 Fax: (727) 822-2919

DESIGNED: NC
DRAWN: TAP
CHECKED: TAP
DATE: 08/26/04
SCALE: AS NOTED

NOEL CORSON, P.E.
FL. REG. NO. 45183

SHEET

C-8

C-8

JOB No. 0311-0181-00

SEC. 25 TWP. 31 S. R. 16 E.

STORMWATER POLLUTION PREVENTION PLAN

PROJECT NAME: TANGERINE PLAZA

PROJECT ADDRESS:
TANGERINE PLAZA
18TH AVE SOUTH & 22ND STREET
ST. PETERSBURG, FL 33712

OWNER'S ADDRESS:
CITY OF ST. PETERSBURG
ONE FOURTH STREET NORTH
ST. PETERSBURG, FL 33701

THE PROJECT WILL CONSIST:
GROCERY STORE AND RETAIL SPACE

SOIL DISTURBING ACTIVITIES WILL INCLUDE:
CLEARING & GRUBBING,
SITE FILL FOR PROPOSED IMPROVEMENTS.

CONSTRUCTION ACTIVITIES WILL INCLUDE:
GROCERY STORE AND RETAIL SPACE
CONSTRUCTION ACTIVITIES INCLUDE:
SITE FILL FOR PROPOSED IMPROVEMENTS,
CONSTRUCTION OF STORMWATER MANAGEMENT SYSTEMS,
BUILDINGS, PARKING LOT, SIDEWALKS
DRIVEWAYS AND UTILITIES.

RUNOFF COEFFICIENT:
CN PRE: 0.55
CN POST: 0.86

SITE AREA:
3.60 ACRES

SEQUENCE OF MAJOR ACTIVITIES

1. INSTALL STAKED SILT FENCE AND HAY BALES AS SHOWN ON THE CSWMP AND THE CONSTRUCTION DRAWINGS (PER FDOT INDEX NO. 102).

2. INSTALL STABILIZED CONSTRUCTION ENTRANCE (PER FDOT INDEX NO. 106).

3. EXCAVATE TEMPORARY SEDIMENT BASINS AND STORMWATER POND.

4. COMPLETE GRADING ACTIVITIES.

5. INSTALL NEW STORM SEWER, DRIVES, SIDEWALKS AND BUILDINGS.

6. FILL AND GRADE DISTURBED AREAS.

7. REPAIR ANY WASHED OUT AREAS. INSTALL PLANTING MATERIAL AS SHOWN ON LANDSCAPE PLAN. SOD, SEED, AND MULCH DISTURBED AREAS AS INDICATED ON PLANS.

8. WHEN CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE EROSION PROTECTION DEVICES AND CONSTRUCTION ENTRANCE AS REQUIRED.

NAME OF RECEIVING WATERS:
CITY OF ST. PETERSBURG, MS4

CONTROLS

EROSION AND SEDIMENT CONTROLS

STABILIZATION PRACTICES

PROTECTION OF EXISTING STORM SEWER SYSTEMS - DURING CONSTRUCTION, ALL STORM SEWER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY THE CONSTRUCTION PROCESS (SEE F.D.O.T. INDEX NO. 102).

SEDIMENT TRAPPING MEASURES - SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, FILTER FENCES, BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING WATER BODIES, MUST BE INSTALLED, CONSTRUCTED OR IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS.

WIND EROSION STABILIZATION - THE CONTRACTOR SHALL DENUDE ONLY AREAS WHERE IT IS EXPECTED TO BE GRADED OR ALTERED WITHIN A TWO (2) WEEK TIME-FRAME. FINAL GRADES SHALL BE PERFORMED AND TEMPORARY OR PERMANENT SOIL STABILIZATION SHALL BE APPLIED. AREAS WHERE CONSTRUCTION OPERATIONS WILL BE CONTINUOUS, FUGITIVE DUST SHALL BE MANAGED BY APPLYING A WATER SPRAY TO SATURATE THE SURFACE SOILS CONTINUOUSLY AND ADDITIONAL MEASURES MAY NEED TO BE TAKEN CONTROL OFF-SITE TRANSPORT OF UNACCEPTABLE LEVELS OF DUST.

TEMPORARY STABILIZATION - TOP OF SOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS WILL BE STABILIZED WITH TEMPORARY GRASS AND MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY. GRASS SEED SHALL BE A MIXTURE OF 20 PARTS OF BERMUDA SEED AND 80 PARTS OF PENSACOLA BAHIA, THE SEPARATE TYPES OF SEED USED SHALL BE THOROUGHLY DRY MIXED IMMEDIATELY BEFORE SOWING. SEED WHICH HAS BECOME WET SHALL NOT BE USED. THE MULCH MATERIAL USED SHALL NORMALLY BE DRY MULCH. DRY MULCH SHALL BE STRAW OR HAY, CONSISTING OF OAT, RYE OR WHEAT STRAW, OR OF PANGOLA, PEANUT, COASTAL BERMUDA OR BAHIA GRASS HAY. ONLY UNDERFERTERIZED MULCH, WHICH CAN BE READILY CUT INTO THE SOIL, SHALL BE USED. AREAS OF THE SITE, WHICH ARE TO BE PAVED, WILL BE TEMPORARILY STABILIZED BY APPLYING STABILIZATION AND BASE.

PERMANENT STABILIZATION - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED WITH SOD NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.

STRUCTURAL PRACTICES

STAKED SILT FENCES - THE STAKED SILT FENCES WILL BE CONSTRUCTED ALONG THE CONSTRUCTION LIMITS AS DEPICTED ON THE CSWMP AND ON THE CONSTRUCTION PLANS. THESE DEVICES WILL STOP AND DIVERT RUNOFF TO THE SEDIMENT BASINS.

SEDIMENT BASINS - THE STORMWATER MANAGEMENT AREAS WILL ACT AS SEDIMENT BASINS DURING CONSTRUCTION.

STORM WATER MANAGEMENT

STORM WATER DRAINAGE WILL BE PROVIDED BY CATCH BASINS AND UNDERGROUND PIPING SYSTEM FOR THE DEVELOPED AREA. THE AREAS WHICH ARE NOT DEVELOPED WILL BE GRADED AND HAVE PERMANENT SEEDING OR PLANTINGS. WHEN CONSTRUCTION IS COMPLETE, THE ENTIRE SITE WILL DRAIN TO A DETENTION POND. THE DETENTION POND HAS BEEN DESIGNED BY A PROFESSIONAL ENGINEER TO PROVIDE ADEQUATE QUALITY TREATMENT AND ADHERENCE TO THE DETAIL SHOWN IN THE PLANS IS IMPERATIVE.

OTHER CONTROLS

WASTE DISPOSAL

WASTE MATERIALS - ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN DUMPSTERS PER LOCAL SOLID WASTE REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF TWICE A WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED TO THE APPROPRIATE COUNTY LOCATION FOR DUMPING. NO CONSTRUCTION MATERIALS WILL BE BURIED ON-SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE ON-SITE OFFICE TRAILER AND THE CONSTRUCTION MANAGER RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE - ALL HAZARDOUS WASTE MATERIALS, IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE - ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, AS REQUIRED BY LOCAL REGULATION.

OFFSITE VEHICLE TRACKING

STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS PER FDOT INDEX NO. 106. THE PAVED STREETS ADJACENT TO THE PROJECT WILL BE CLEANED AS NEEDED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARPULIN AT ALL TIMES.

TIMING OF CONTROL MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, STAKED SILT BARRIERS, STABILIZED CONSTRUCTION ENTRANCES AND SEDIMENT BASINS WILL BE CONSTRUCTED PRIOR TO GRUBBING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 21 DAYS WILL BE STABILIZED WITH A TEMPORARY GRASS AND MULCH WITHIN 14 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTED ACTIVITY CEASES PERMANENTLY IN THAT AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SOD. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE TRAPS AND THE STAKED SILT BARRIERS WILL BE REMOVED.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

THE CONSTRUCTION SURFACE WATER MANAGEMENT PLAN REFLECTS THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT'S (SWFWMD) REQUIREMENTS FOR STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL, AS ESTABLISHED BY THE FLORIDA ADMINISTRATIVE CODE, CHAPTER 400-4 AND 400-40, TO DEMONSTRATE COMPLIANCE. THIS PLAN WAS PREPARED IN ACCORDANCE WITH SWFWMD'S "BASIS OF REVIEW FOR SURFACE WATER MANAGEMENT PERMIT APPLICATIONS WITHIN THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT". THIS PLAN ALSO REFLECTS THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR WORK IN BRANCH 6.

MAINTENANCE INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT SHALL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROL.

LESS THAN ONE HALF OF THE SITE WILL BE DENUDED AT ONE TIME PRIOR TO ESTABLISHING EROSION CONTROL MANAGEMENT. ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER BY A CONTRACTOR'S REPRESENTATIVE. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE. SILT FENCE WILL BE INSPECTED REGULARLY FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND. THE SEDIMENT BASINS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB. TEMPORARY AND PERMANENT GRASSING, MULCHING AND SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH. FLOATING TURBIDITY BARRIERS WILL BE INSPECTED REGULARLY AND ADJUSTED OR REPLACED IF NECESSARY TO MAINTAIN PROPER SEDIMENT CONTROL. A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION BY THE CONTRACTOR AND SHALL BE KEPT IN AN ACTIVE LOG READILY AVAILABLE AT THE JOB SITE CONSTRUCTION TRAILER. THE SITE SUPERINTENDENT WILL SELECT INDIVIDUALS WHO WILL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR ACTIVITIES. FILLING OUT THE INSPECTION AND MAINTENANCE REPORT WILL BE BY THE CONTRACTOR. PERSONNEL SELECTED FOR AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON-SITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

* WATER FROM WATER LINE FLUSHING.

* PAVEMENT WASH WATERS (WHERE NO SPILL OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED)

* UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED, BUT NOT LIMITED, TO BE PRESENT ON-SITE DURING CONSTRUCTION:

CONCRETE
DETERGENTS
TAR
SAND
STONE

FERTILIZERS
PETROLEUM BASED PRODUCTS AND
FUELS
CLEANING SOLVENTS
WOOD

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

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

GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT.

AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER CONTAINED ENCLOSURE. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL MANUFACTURER'S LABELED CONTAINERS. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE CONTAINER. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED. THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.

HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

PRODUCTS SHALL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS OR LOCAL AND STATE RECOMMENDED METHODS OF PROPER DISPOSAL SHALL BE FOLLOWED.

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON-SITE:

PETROLEUM PRODUCTS

ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS, WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A SEALABLE PLASTIC BIN TO AVOID SPILLS.

CONCRETE TRUCKS

CONTRACTOR SHALL DESIGNATE AN AREA FOR DISCHARGE OF SURPLUS CONCRETE OR DRUM WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE. HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

* MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

* MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL KEPT IN THE MATERIAL STORAGE AREA ON-SITE. EQUIPMENT AND MATERIALS WILL INCLUDE, BUT NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

* ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

* THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

* SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.

* THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

* THE SITE SUPERINTENDENT WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE AT LEAST THREE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON SITE.

NOTICE OF TERMINATION

A NOTICE OF TERMINATION WILL BE SUBMITTED TO EPA AFTER THE CONSTRUCTION HAS BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION BY THE CONTRACTOR.

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS HAVE BEEN READ BY ME OR MY DESIGNATED REPRESENTATIVE AND UNDERSTAND THAT THIS SYSTEM HAS BEEN PREPARED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

OWNER: URBAN DEVELOPMENT SERVICES

SIGNED: _____

NAME AND TITLE: LARRY J. NEWSOME, PRESIDENT

DEPARTMENT: _____

ADDRESS: 6538 FIRST AVENUE NORTH

ST. PETERSBURG, FL 33710

DATE: _____

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND AND SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

SIGNATURE	FOR	RESPONSIBLE FOR
NAME: _____	COMPANY: _____	GENERAL CONTRACTOR
TITLE: _____	ADDRESS: _____	
DATE: _____	PHONE: _____	
NAME: _____	COMPANY: _____	TEMPORARY AND PERMANENT STABILIZATION
TITLE: _____	ADDRESS: _____	
DATE: _____	PHONE: _____	
NAME: _____	COMPANY: _____	STABILIZED CONSTRUCTION ENTRANCE, EARTH DIKES, SEDIMENT BASIN
TITLE: _____	ADDRESS: _____	
DATE: _____	PHONE: _____	

CLIENT

URBAN DEVELOPMENT SOLUTIONS

6538 1ST AVE NORTH

ST. PETERSBURG, FL 33710

PROJECT NAME

TANGERINE PLAZA

STORMWATER POLLUTION PREVENTION PLAN

SEC. 25 TWP. 31 S. RNG. 16 E.

REVISIONS

No.	DESCRIPTION	DATE	BY
2.	FOR CONSTRUCTION	02/28/05	TAP
1.	REVISED PLANS PER SWFWMD AND RE-ISSUED	08/26/04	TAP

Y

Since 1919

George F. Young, Inc.
ARCHITECTURE • ENGINEERING • ENVIRONMENTAL
LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING
ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE
SARASOTA • NORTH PALM BEACH
RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North
St. Petersburg, FL 33701-0683
Tel.: (727) 822-4317 Fax: (727) 822-2919

DESIGNER: NC
DRAWING: TAP
CHECKER: _____
DATE: 08/26/04
SCALE: AS NOTED

NOEL CORSON, P.E.
FL. REG. NO. 45183

SHEET
C-9
C-

JOB No. 0311-0181-00

FILE: I:\PROJECT\ENG\0311-0181-00-TANGERINE PLAZA.DWG

03/25/05 14:40:04

LOGON: PERRYMAN



- REFER TO STORMWATER POLLUTION PREVENTION
PLAN SHEET C-9 FOR ADDITIONAL CONSTRUCTION
SEQUENCING, CONTROLS AND MANAGEMENT
PRACTICES.

SHEET

C-10

C-

JOB No. 0311-0181-00



George F. Young, Inc.

ARCHITECTURE ■ ENGINEERING ■ ENVIRONMENTAL
LANDSCAPE ARCHITECTURE ■ PLANNING ■ SURVEYING
ST. PETERSBURG ■ TAMPA ■ BRADENTON ■ GAINESVILLE
SARASOTA ■ NORTH PALM BEACH

RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North
St. Petersburg FL 33701-0683
Tel.: (727) 822-4317 Fax: (727) 822-2911

DESIGNED: NC	APPROVED DATE:
DRAWN: TAP	DATE: 08/26/04
CHECKED:	SCALE:

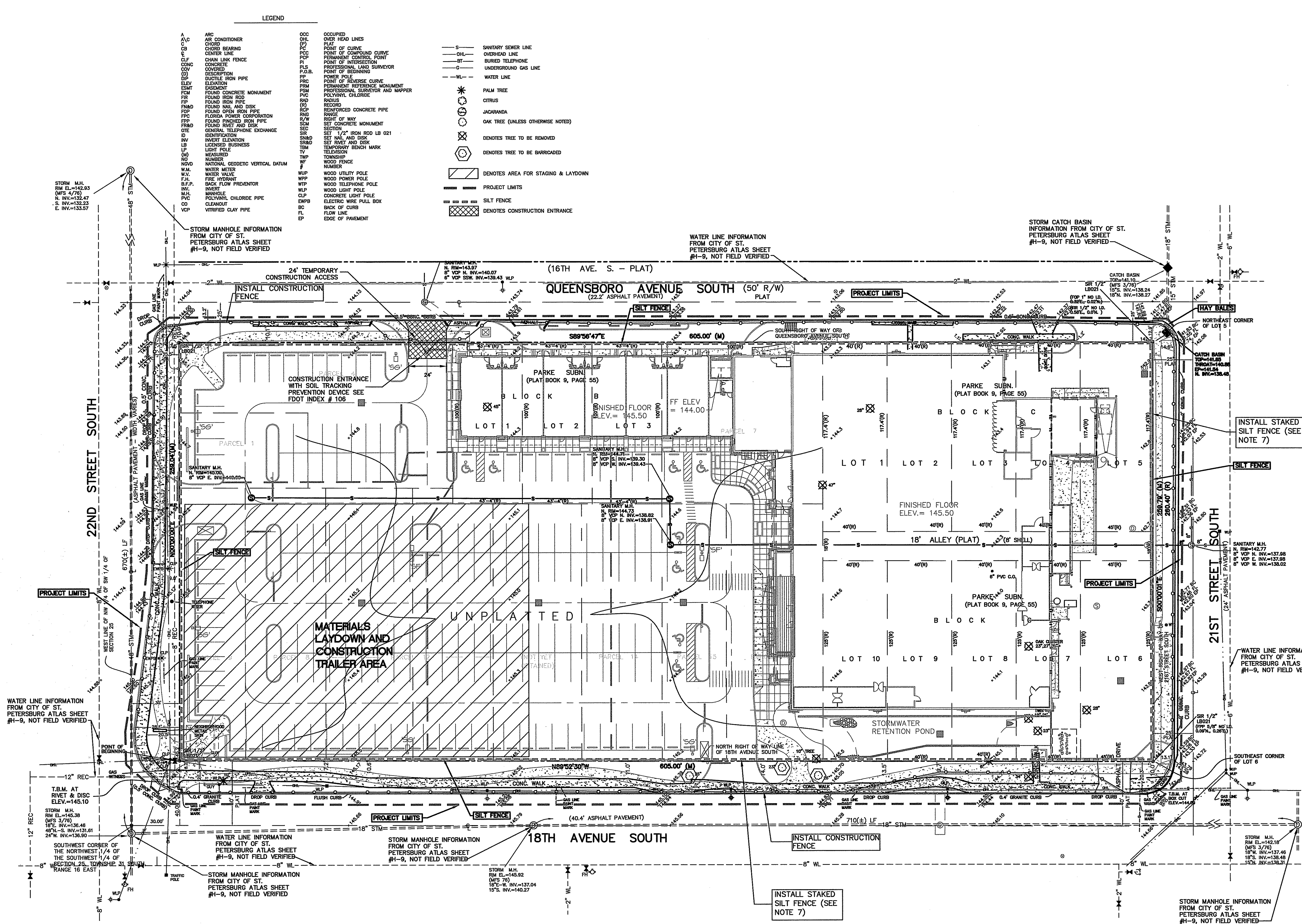
NOEL CORSON, P.E.
FL. REG. NO. 45183

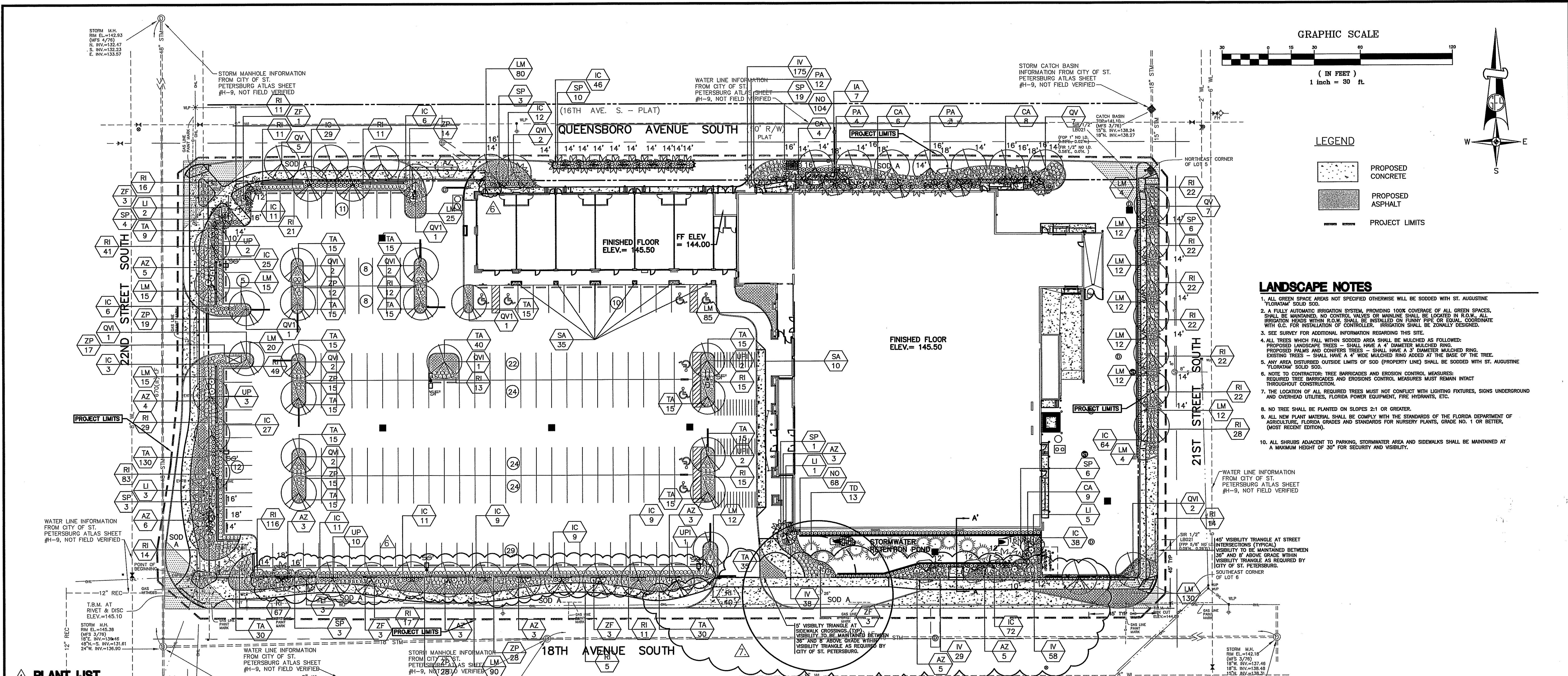
[illegible]

PROJECT NAME
TANGERINE PLAZA
CONSTRUCTION SURFACE WATER MANAGEMENT PLAN

SEC. 25 TWP. 31 S., RNG. 16 E.

CLIENT
URBAN DEVELOPMENT SOLUTIONS
6538 1ST AVE NORTH
ST. PETERSBURG, FL. 33710





PLANT LIST			
SYM	QTY	BOTANICAL NAME	COMMON NAME
CANOPY TREES			
QV	19	Quercus virginiana	LIVE OAK
QVI	17	Quercus virginiana	LIVE OAK
TD	13	Taxodium distichum	BALD CYPRESS
UP	15	Ulmus parvifolia 'Allee'	ALLEE ELM
UPI	5	Ulmus parvifolia 'Allee'	ALLEE ELM
PALMS AND UNDERSTORY TREES			
IA	7	Ilex attenuata 'East Palatka'	EAST PALATKA HOLLY
LI	14	Lagerstroemia indica 'Muskogee'	LAVENDER CRAPE MYRTLE
SP	55	Sabal palmetto	CABBAGE PALM
SHRUBS AND GROUNDCOVERS			
AZ	40	Alpinia zerumbet variegata	VARIEGATED SHELL GINGER
CA	27	Crinum asiaticum	CRINUM LILY
IC	392	Ilex cornuta 'Dwarf Burford'	DWARF BURFORD HOLLY
IV	300	Ilex vomitoria 'Schillings Dwarf'	SCHILLINGS YAUPON HOLLY
LM	567	Liriope muscari 'Evergreen Giant'	EVERGREEN GIANT LIRIOPE
NO	172	Nerium oleander 'Salmon Dwarf'	SALMON DWARF OLEANDER
PA	19	Plumbago auriculata 'Imperial Blue'	IMPERIAL BLUE PLUMBAGO
RI	771	Raphiolepis indica 'Dwarf White'	DWARF WHITE INDIAN HAWTHORN
SA	35	Seasonal Annuals	SEASONAL ANNUALS
TA	469	Trachelospermum asiaticum	DWARF CONFEDERATE JASMINE
ZF	13	Zamia furfuracea	CARDBOARD PALM
ZP	151	Zamia pumila	COONTIE
SOD A		Stenotaphrum secundatum	ST. AUGUSTINE FLORATAM SOD

LANDSCAPE DATA

PERIMETER PARKING LOT LANDSCAPING (ADJ. TO PROPERTY LINES)
2 SHADE TREES PER 50 L.F.
CONTINUOUS HEDGE (SHRUBS 30" O.C.)

	REQUIRED	PROVIDED
NORTH PROPERTY PERIMETER PROPERTY PERIMETER (605 LF): CONTINUOUS HEDGE (SHRUBS 30" O.C.)	24 TREES YES	24 TREES MIN. YES
SOUTH PROPERTY PERIMETER PROPERTY PERIMETER (605 LF): CONTINUOUS HEDGE (SHRUBS 30" O.C.)	24 TREES YES	24 TREES MIN. YES
EAST PROPERTY PERIMETER PROPERTY PERIMETER (260 LF): CONTINUOUS HEDGE (SHRUBS 30" O.C.)	10 TREES YES	10 TREES MIN. YES
WEST PROPERTY PERIMETER PROPERTY PERIMETER (260 LF): CONTINUOUS HEDGE (SHRUBS 30" O.C.)	10 TREES YES	10 TREES MIN. YES

INTERIOR PARKING LOT LANDSCAPING
MIN. 10% VEHICULAR USE AREA =
INTERIOR + TERMINAL ISLANDS
PERVIOUS + IMPERVIOUS SURFACES OF V.I.A.
% PARKING LOT LANDSCAPING = $\frac{3128 \text{ SF}}{87,257 \text{ SF}} = 3.6\%$
MIN. 1 TREE PER ISLAND (20 ISLANDS)
ALL TERMINAL ISLANDS WITHIN V.I.A. TO BE PLANTED WITH APPROVED GROUNDCOVER AND/OR SHRUB MATERIAL WHICH WILL PROVIDE 75% COVERAGE PER THE CITY OF ST. PETERSBURG CODE

LANDSCAPE DATA (CONTINUED)

FOUNDATION LANDSCAPING (TO BE LOCATED ADJ. TO BUILDING FOUNDATIONS)
1 FOUND. PLANT/ 1 L.F. BUILDING FOUNDATION PERIMETER
(FOUNDATION PLANTS TO CONSIST OF MIN. BOX SHRUBS, MIN. 1 GAL. PLANTS PER CITY OF ST. PETERSBURG APPROVED LIST FOR FOUNDATION PLANTS.)
1 UNDERSTORY TREE/30 L.F. BLDG. FOUNDATION
TOTAL BUILDING PERIMETER (1300 LF):
1300 PLANTS
43 TREES

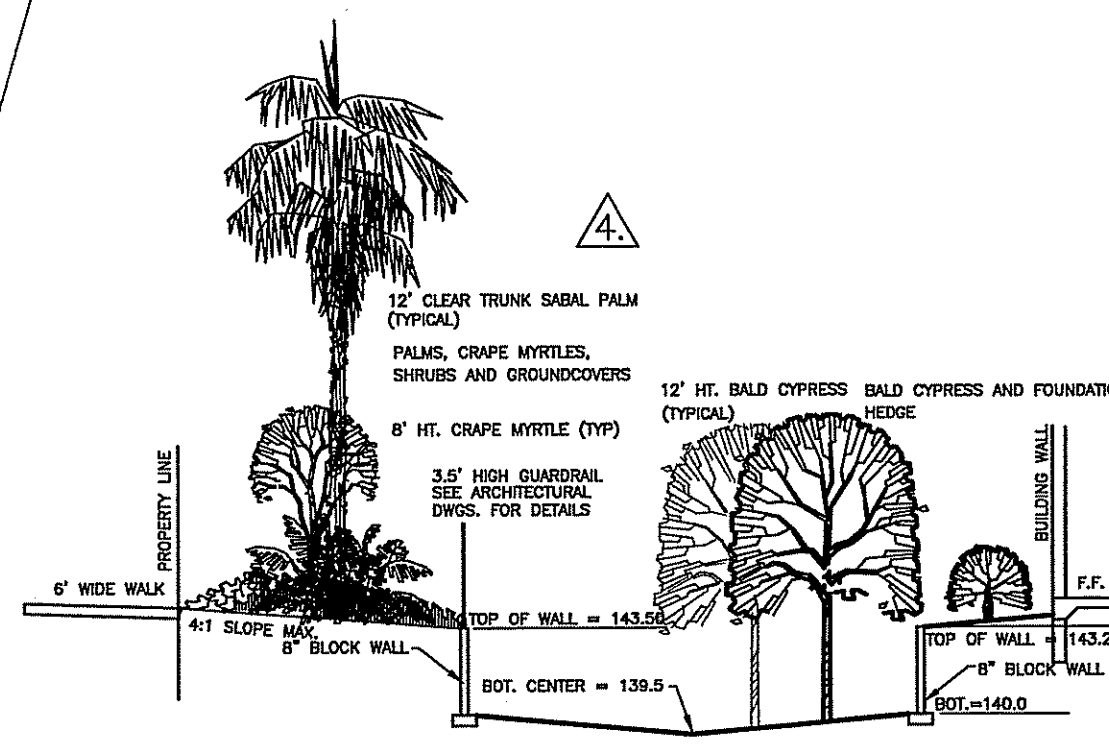
IRRIGATION NOTE:
A FULLY AUTOMATIC IRRIGATION SYSTEM PROVIDING 100% COVERAGE WILL BE INSTALLED AS THE CITY REQUIRES:
IRRIGATION SYSTEMS SHALL UTILIZE LOW VOLUME DESIGN SUCH AS LOW TRAJECTORY HEADS OR SOAKER HOSES TO PROVIDE DIRECT APPLICATION LOW EVAPORATION AND HAVE A RAIN SENSOR DEVICE WHICH WILL OVERRIDE THE IRRIGATION CYCLE OF THE SPRINKLER SYSTEM WHEN ADEQUATE RAINFALL HAS OCCURRED. WATER SUPPLY SHALL BE PIPED TO EACH INDIVIDUAL PLANTER ISLAND, AND IN NO CASE SHALL ANY PLANTED VEGETATION AREA BE MORE THAN 60' FROM A WATER SUPPLY NOSE BIB, SHALLOW WELLS, OPEN SURFACE WATER BODIES, OR RECLAIMED WATER SHALL BE UTILIZED (UNLESS UNAVAILABLE), AS A SOURCE OF IRRIGATION WATER. IRRIGATION DESIGN, SHOULD ZONE WATERING NEEDS TO SUN AND SHADE ZONES, SHRUB BEDS TO LAWN AREAS, AND NEWLY PLANTED LANDSCAPE AREAS TO EXISTING NATURAL AREAS.

TERMINAL ISLAND LANDSCAPING:
SHRUBS AND GROUNDCOVERS PLANTED WITHIN THE TERMINAL ISLANDS SHOULD PROVIDE 100% COVERAGE WITHIN TWO YEARS.

SHRUB HEIGHT NOTE:
ALL SHRUBS ADJACENT TO PARKING, STORMWATER AREA AND SIDEWALKS SHALL BE MAINTAINED AT A MAXIMUM HEIGHT OF 30' FOR SECURITY AND VISIBILITY.

LANDSCAPE NOTES

- ALL GREEN SPACE AREAS NOT SPECIFIED OTHERWISE WILL BE SODDED WITH ST. AUGUSTINE FLORATAM SOD.
- A FULLY AUTOMATIC IRRIGATION SYSTEM, PROVIDING 100% COVERAGE OF ALL GREEN SPACES, SHALL BE MAINTAINED. NO CONTROL VALVES OR MAINLINE SHALL BE LOCATED IN R.O.W. ALL IRRIGATION HEADS WITHIN R.O.W. SHALL BE INSTALLED ON FUNNY PIPE OR EQUAL. COORDINATE WITH C.C. FOR INSTALLATION OF CONTROLLER. IRRIGATION SHALL BE ZONALLY DESIGNED.
- SEE SURVEY FOR ADDITIONAL INFORMATION REGARDING THIS SITE.
- ALL TREES WHICH FALL WITHIN SODDED AREA SHALL BE MULCHED AS FOLLOWS:
PROPOSED LANDSCAPE TREES - SHALL HAVE A 4" DIAMETER MULCHED RING.
PROPOSED PALMS AND CONIFERS TREES - SHALL HAVE A 3" DIAMETER MULCHED RING.
EXISTING TREES - SHALL HAVE A 4" WIDE MULCHED RING ADDED AT THE BASE OF THE TREE.
- ANY AREA DISTURBED OUTSIDE LIMITS OF SOD (PROPERTY LINE) SHALL BE SODDED WITH ST. AUGUSTINE FLORATAM SOD.
- NOTE TO CONTRACTOR: TREE BARRICADES AND EROSION CONTROL MEASURES MUST REMAIN INTACT THROUGHOUT CONSTRUCTION.
- THE LOCATION OF ALL REQUIRED TREES MUST NOT CONFLICT WITH LIGHTING FIXTURES, SIGNS UNDERGROUND AND OVERHEAD UTILITIES, FLORIDA POWER EQUIPMENT, FIRE HYDRANTS, ETC.
- NO TREE SHALL BE PLANTED ON SLOPES 2:1 OR GREATER.
- ALL NEW PLANT MATERIAL SHALL BE COMPLY WITH THE STANDARDS OF THE FLORIDA DEPARTMENT OF AGRICULTURE, FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS, GRADE NO. 1 OR BETTER, (MOST RECENT EDITION).
- ALL SHRUBS ADJACENT TO PARKING, STORMWATER AREA AND SIDEWALKS SHALL BE MAINTAINED AT A MAXIMUM HEIGHT OF 30' FOR SECURITY AND VISIBILITY.



CLIENT

URBAN DEVELOPMENT SOLUTIONS

6538 1ST AVE NORTH

ST. PETERSBURG, FL. 33710

PROJECT NAME

TANGERINE PLAZA

LANDSCAPE PLAN

SEC. 25 TWP. 31 S. RNG. 16 E.

REVISIONS

No.	DESCRIPTION	DATE	BY
7.	REMOVED ADD'L TREES, REALIGNED WALK AT SOUTH DRIVEWAY ENTRANCE.	09/30/05	W.R.
6.	FOR CONSTRUCTION	02/28/05	W.R.
5.	REV. PER CITY COMMENTS	02/01/05	W.R.
4.	REV. PER CITY COMMENTS FOR BID ADDENDUM #2.	1/19/05	W.R.
3.	ISSUED FOR BID	12/17/04	TAP
2.	CITY SUBMITTAL	12/08/04	W.R.
1.	REVISED PLANS PER SHFMMD AND RE-ISSUED	08/26/04	TAP

George F. Young, Inc.

ARCHITECTURE • ENGINEERING • ENVIRONMENTAL

LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING

ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE

SARASOTA • NORTH PALM BEACH

RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North

St. Petersburg, FL 33701-0683

Tel.: (727) 822-4317 Fax: (727) 822-2919

DESIGNED: INC

DRAWN: TAP

CHECKED: TAP

APPROVED DATE: 08/26/04

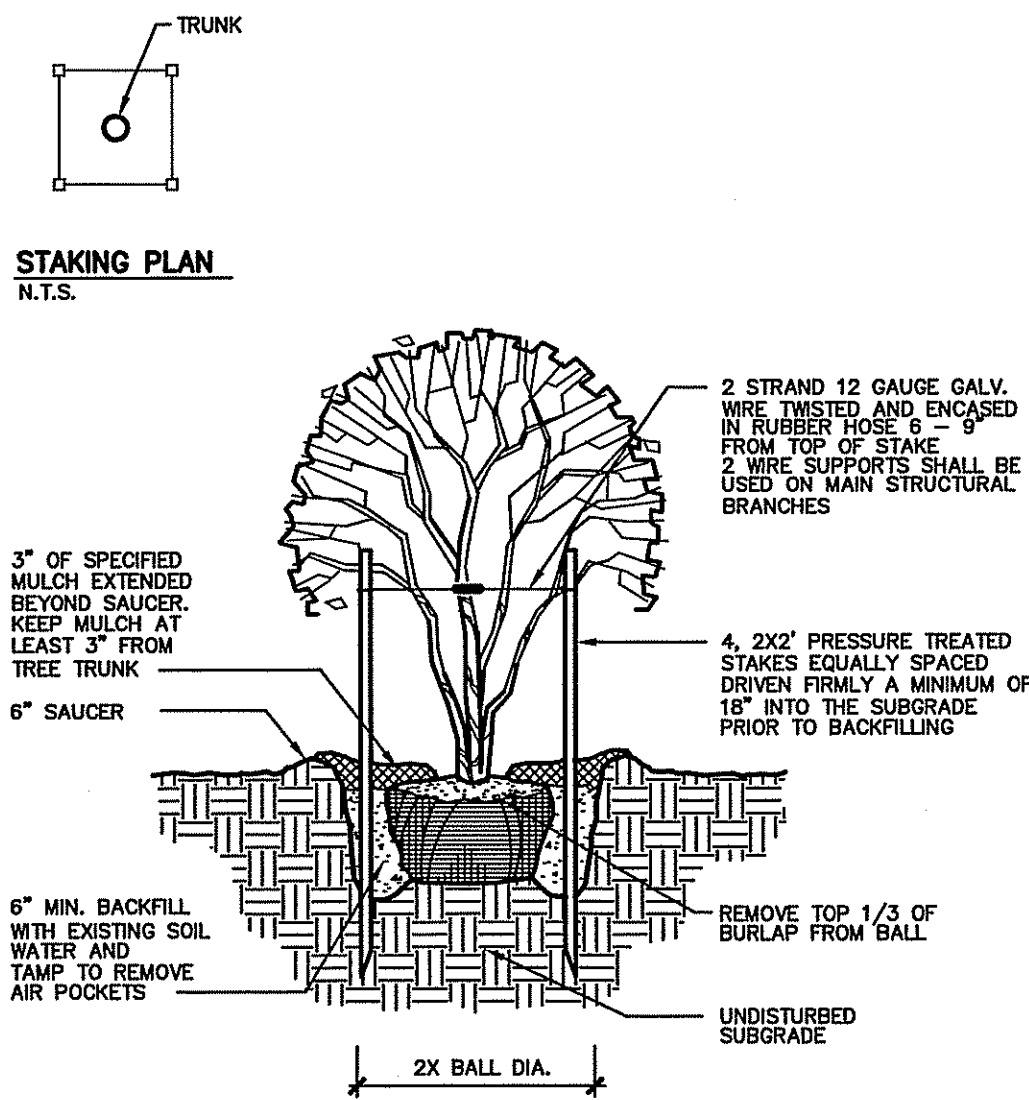
SCALE:

SHEET

L-1

L-2

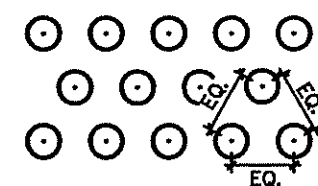
JOB No. 0311-0181-00



- NOTES:
- STAKE TO FIRST BRANCHES AS NECESSARY FOR FIRM SUPPORT.
 - WIRE SHALL NOT TOUCH OR RUB ADJACENT TRUNKS OR BRANCHES.

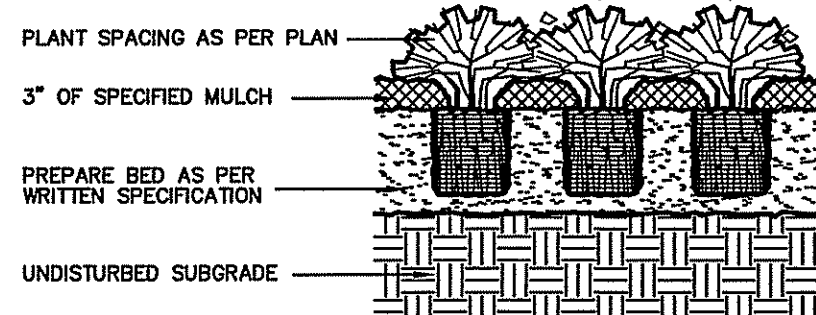
MULTI-TRUNK TREE STAKING DETAIL

N.T.S.



TRIANGULAR SPACING

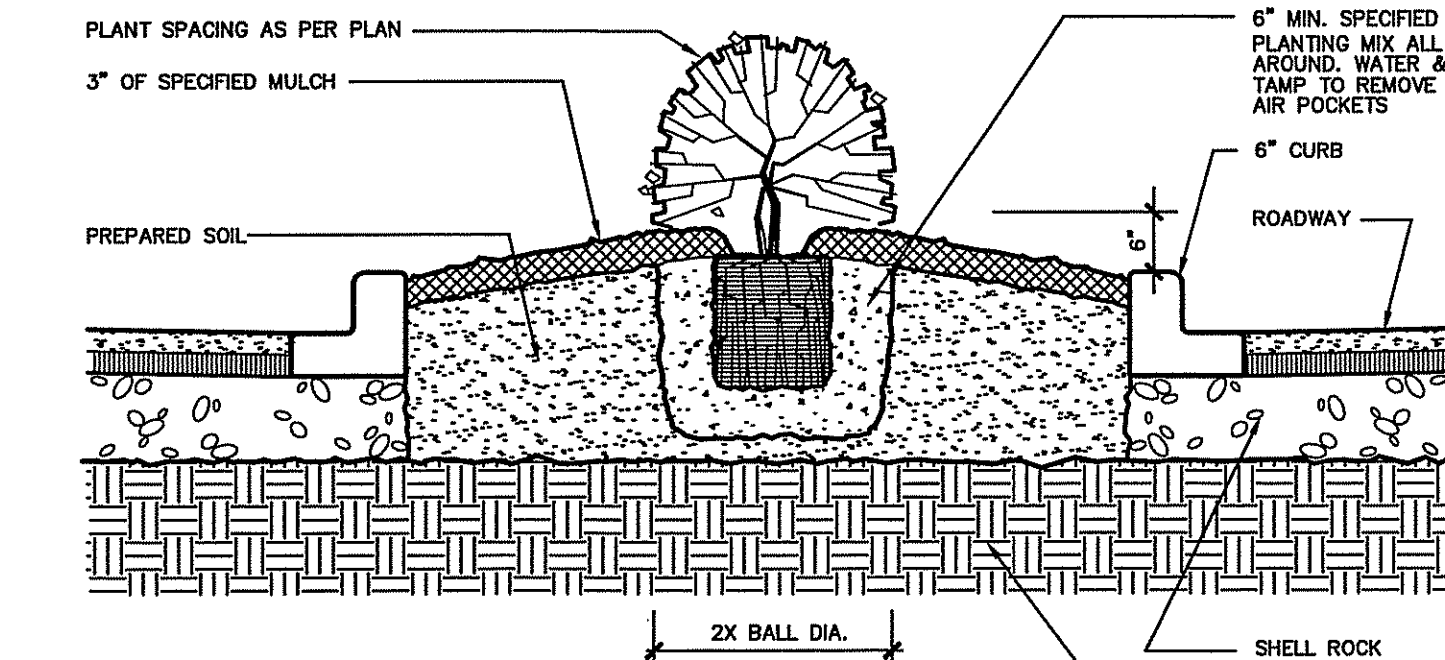
N.T.S.



- NOTES:
- GROUND COVER PLANTS ARE TO BE SPACED AS INDICATED ON PLANTING PLAN.
 - 3\"/>

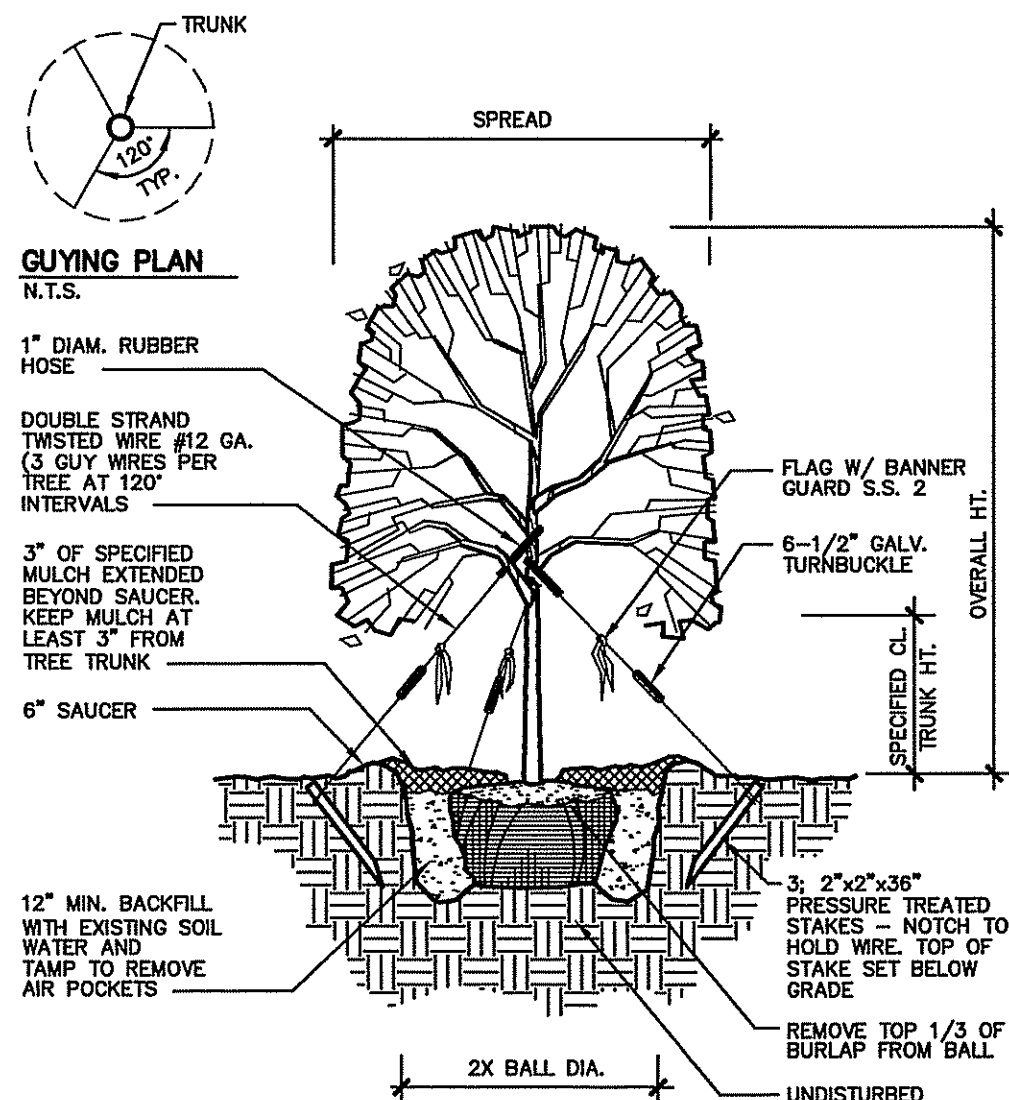
GROUNDCOVER PLANTING DETAIL

N.T.S.



SHRUB DETAIL AT LANDSCAPE ISLAND

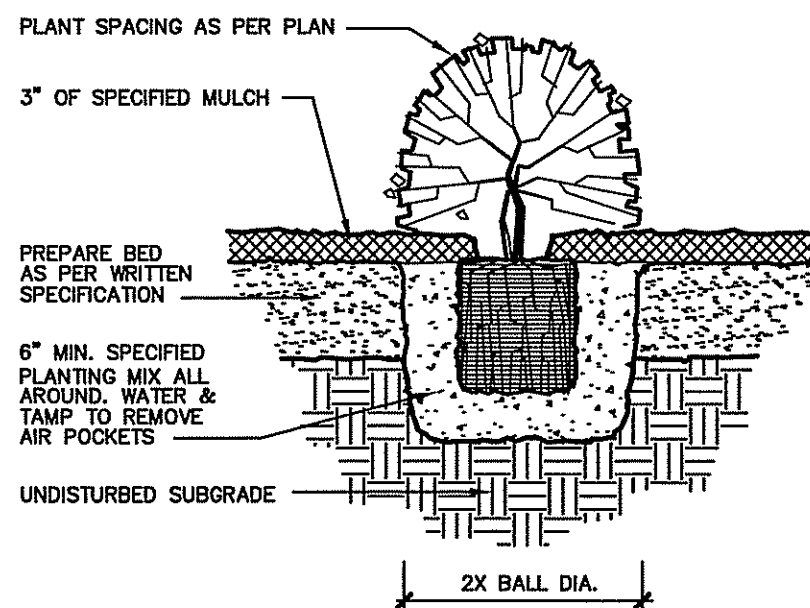
N.T.S.



- NOTES:
- PLANT SO THAT TOP OF ROOT BALL IS EVEN WITH THE FINISHED GRADE.
 - BOTTOM OF ROOT BALL SHALL BE SEATED DIRECTLY ON UNDISTURBED SUBGRADE.
 - STAKE ABOVE FIRST STRONG BRANCHES OR AS NECESSARY FOR FIRM SUPPORT.
 - FLAG GUYING WIRES WITH BANNER GUARD S.S. 2 OR APPROVED EQUAL.

TREE PLANTING DETAIL - GUY WIRES

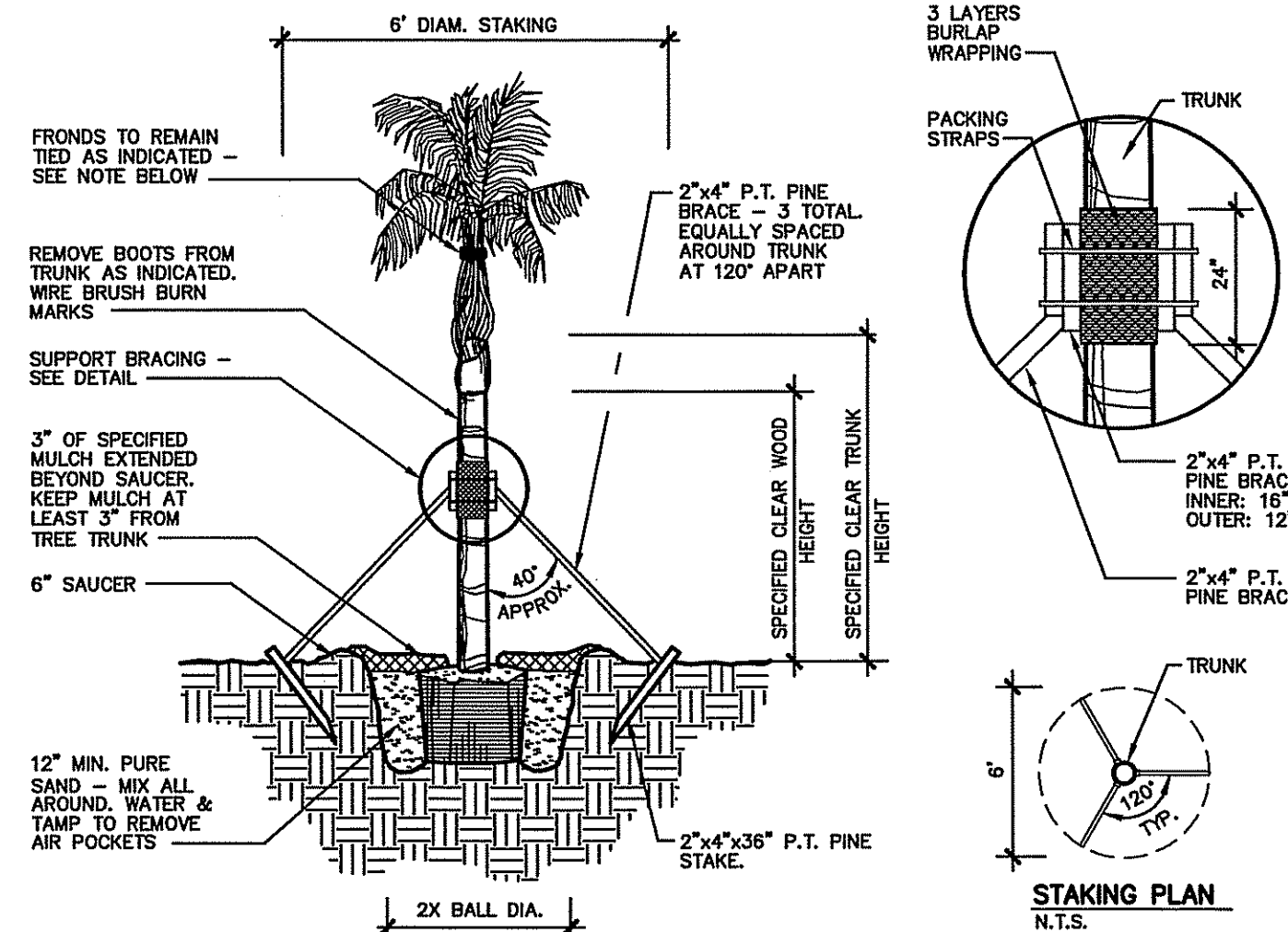
N.T.S.



- NOTES:
- PLANT SO THAT TOP OF ROOT BALL IS EVEN WITH THE FINISHED GRADE.

SHRUB PLANTING DETAIL

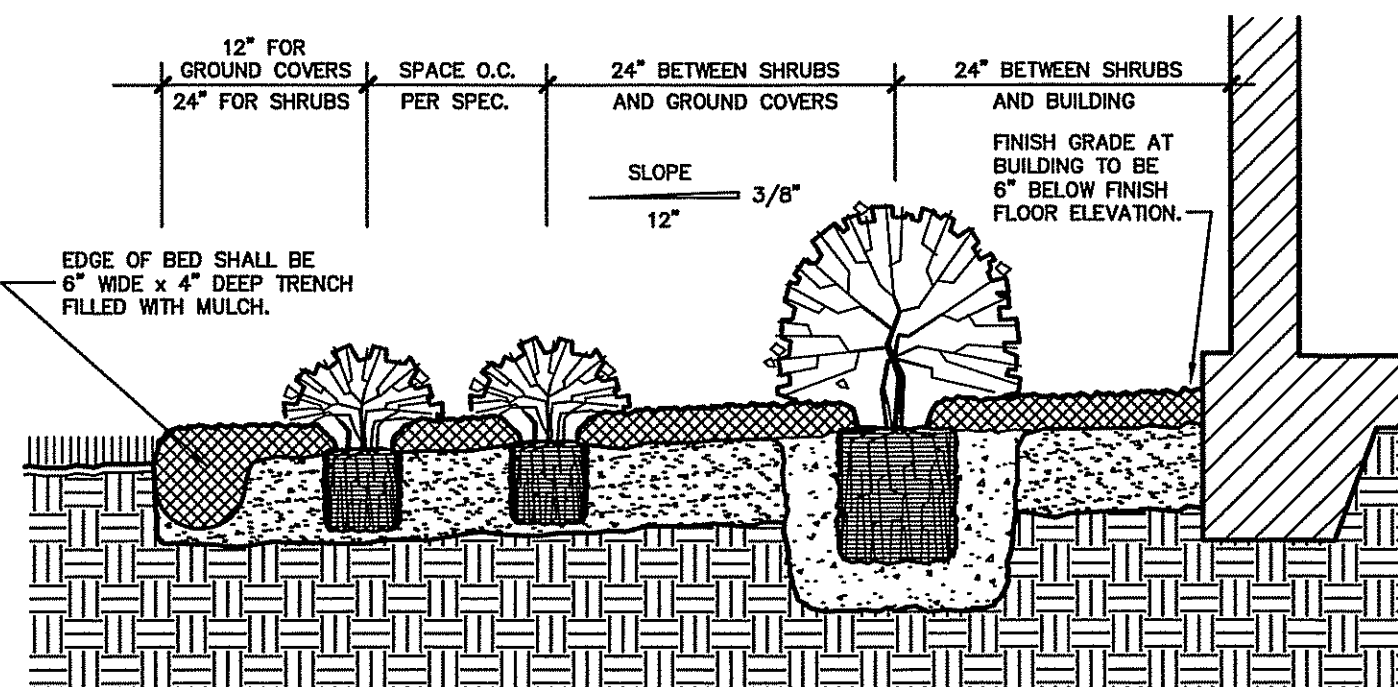
N.T.S.



- NOTES:
- PALM FRONDS SHALL BE TIED UP UNTIL AFTER PLANTING. TIES SHALL BE REMOVED AS FOLLOWS: DATE PALM - ONE WEEK; WASHINGTON PALM & QUEEN PALM - IMMEDIATELY; SABAL PALMS WHICH ARE NOT HURRICANE CUT SHALL REMAIN TIED FOR SIX MONTHS. REMOVE ALL DEAD AND BROKEN FRONDS. NEVER CUT BUD.
 - ALL TRUNKS SHALL BE PREPARED PRIOR TO DELIVERY. DATE PALMS SHALL BE 'CLASSIC CUT'; SABAL AND WASHINGTON PALMS SHALL BE 'BOOTHED' OR SHAVED AS SPECIFIED.
 - PLANT IN PURE SAND. PLANT SO THAT TOP OF ROOT BALL IS 2\"/>

PALM PLANTING DETAIL

N.T.S.



- NOTES:
- FINISH GRADE AT BUILDING TO BE 6\"/>

BED PREPARATION DETAIL

N.T.S.

INSTALLATION SPECIFICATIONS:

- NOTE: EITHER TYPE 'A' BARRICADE (WOOD) OR TYPE 'B' BARRICADE (RIBBON) MAY BE USED.

1. MINIMUM RADIUS TO BE PROTECTED:
PINES:
DRIFLINE OR 6\", WHICHEVER IS GREATER.

2. METHOD OF ERECTION:
(SEE DIAGRAM)
A. MINIMUM HEIGHT OF UPRIGHTS SHALL BE 3\"/>

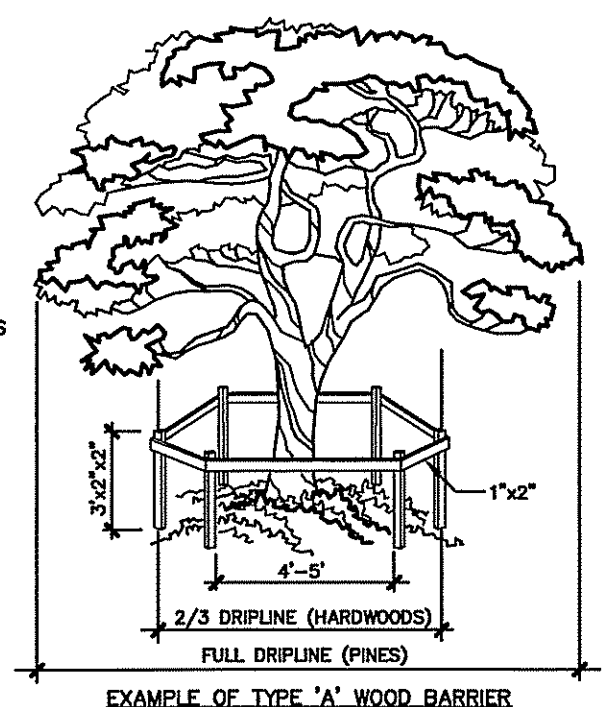
3. UPRIGHTS SHALL HAVE HORIZONTAL RIBBONING AT THE TOP AND 12\"/>

4. UPRIGHTS SHALL BE SPACED AT NO MORE THAN 4\"/>

5. TYPE 'A' BARRIER OR TYPE 'B' BARRIER SHALL BE CONSTRUCTED WHEN CALLED FOR ON PLANS OR AS DIRECTED BY THE ENGINEER. BARRIERS SHALL BE MAINTAINED IN PLACE UNTIL REMOVAL IS DIRECTED BY THE ENGINEER.

TREE BARRICADE DETAIL

N.T.S.



EXAMPLE OF TYPE 'A' WOOD BARRIER

IRRIGATION NOTES

A. PREPARATION

THE IRRIGATION CONTRACTOR SHALL VISIT THE SITE AND REVIEW ALL PLANS AND WRITTEN SPECIFICATIONS PRIOR TO BIDDING OR CONSTRUCTING THE WORK. REPORT ALL DISCREPANCIES BETWEEN PLAN AND SITE CONDITIONS TO THE LANDSCAPE ARCHITECT IMMEDIATELY UPON DISCOVERY.

B. AS BUILT PLAN

THE IRRIGATION CONTRACTOR SHALL PRODUCE AN "AS-BUILT" PLAN OF THE SYSTEM AND DELIVER TO THE OWNER WITHIN ONE MONTH AFTER ACCEPTANCE OF THE SYSTEM.

C. BACKFLOW VERIFICATION

THE IRRIGATION CONTRACTOR SHALL VERIFY THE TYPE OF BACKFLOW PREVENTION SYSTEM REQUIRED BY CITY OF ST. PETERSBURG PRIOR TO BIDDING AND CONSTRUCTING THE WORK.

D. IRRIGATION WELL AND SYSTEM FLOWS

THE WATER SOURCE SHALL BE RECLAIMED WATER.

STATIC FLOWS SHALL BE VERIFIED BY THE CONTRACTOR. SYSTEM FLOWS SHALL BE SUFFICIENT TO WATER THE ENTIRE SITE WITHIN FOUR HOURS.

E. JURISDICTIONAL COMPLIANCE

THE IRRIGATION CONTRACTOR SHALL VERIFY AND COMPLY WITH ANY AND ALL JURISDICTIONAL REQUIREMENTS TO PERFORM THE WORK.

F. CONTROLLER WIRING

THE IRRIGATION CONTRACTOR SHALL WIRE THE CONTROLLER SO THAT STATION NUMBERS RELATE TO THE VALVE NUMBERS SHOWN IN THE CONTRACTOR'S DESIGN.

G. SLEEVING

ALL SLEEVING SHALL BE 4\"/>

H. CONSTRUCTION WITHIN RIGHT OF WAY

ALL IRRIGATION PIPING, HEADS AND OTHER EQUIPMENT THAT IS LOCATED WITHIN THE PUBLIC RIGHT OF WAY SHALL BE INSTALLED ACCORDANCE WITH LOCAL JURISDICTIONAL STANDARDS. SPECIAL CONSTRUCTION PREPARATION MAY INCLUDE NOTIFYING LOCAL AUTHORITIES, TRAFFIC BARRIERS, ETC. VERIFY PRIOR TO CONSTRUCTION. NOTE: NO MAINLINE OR VALVES SHALL BE LOCATED IN THE RIGHT OF WAY.

I. VALVE BOXES

AUTOMATIC ELECTRIC VALVES AND ISOLATION GATE VALVES SHALL BE INSTALLED IN AMETEK VP-10 OR EQUAL VALVE BOXES.

J. WIRE CONNECTIONS

WIRE CONNECTIONS TO THE ELECTRIC VALVES ARE TO BE MADE WITH RAIN BIRD ST-03 WIRE CONNECTORS AND PTSS SEALANT OR 3M-DBY CONNECTORS OR EQUAL.

K. WIRE SPECIFICATIONS

ELECTRICAL WIRE IS TO BE TYPE UF 600 VOLT AWC-CONTROL CABLE. COMMON OR "GROUND" WIRE IS TO BE #14 OR LARGER AND WHITE IN COLOR. CONTROL OR "HOT" WIRE IS TO BE #14 OR LARGER AND ANY COLOR OTHER THAN WHITE.

L. FLEXIBLE PIPING

POP-UPS ARE TO BE INSTALLED ON TORO FUNNY PIPE OR AG PRODUCTS FLEXIBLE PVC OR EQUAL. IF FLEXIBLE PVC IS USED THEN IPS WELD-ON, #795 CEMENT OR EQUAL IS TO BE USED.

M. PIPE BURIAL

MAINLINE IS TO BE INSTALLED A MINIMUM OF 18\"/>

LANDSCAPE NOTES

A. PLANT MATERIAL STANDARDS

ALL PLANT MATERIAL USED ON THIS PROJECT SHALL BE "FLORIDA NO. 1" AS DESCRIBED IN THE LATEST EDITION OF "GRADES AND STANDARDS FOR NURSERY PLANTS", PARTS I AND II, BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. REFER TO DETAILS FOR FURTHER QUALITY SPECIFICATIONS.

B. GRADING OF PLANTING BEDS

ALL PLANTING BEDS SHALL BE 6\"/>

C. BED PREPARATION AND PLANTING

LOOSEN SOIL TO A MINIMUM DEPTH OF FOUR INCHES AND REMOVE ALL DEBRIS. REGRADE THE BED TO ITS PRE-PLANTING SUBGRADE. DIG PLANTING PITS AT 2 TIMES THE DIAMETER OF THE POT. FILL PLANT PIT WITH 50% EXISTING SOIL AND 50% TOPSOIL (SEE BELOW) AND COMPACT SO THAT THE TOP OF ROOT BALL WILL SETTLE 1/8 DEPTH OF ROOT BALL ABOVE FINISH GRADE. SET PLANT AND FILL REMAINDER OF

GENERAL NOTES

A. IRRIGATION SYSTEM PROVIDING 100% COVERAGE SHALL BE INSTALLED (SEE IRRIGATION PLANS AND SPECIFICATIONS).

B. IF ISSUED, WRITTEN SPECIFICATIONS SHALL BE AN INTEGRAL PART OF THIS PLAN SET.

C. ALL TREES, INCLUDING PALMS, SHALL BE SET VERTICALLY TO THE GROUND, OR IF ON SLOPES OR BERMS, SHALL BE SET VERTICALLY TO THE SURROUNDING FLAT TERRAIN.

D. ALL SOD SHALL BE 100% SOLID SOD, 99% FREE OF NOXIOUS WEEDS, WITH A 2\"/>

E. THE LANDSCAPE CONTRACTOR SHALL FIELD VERIFY PROPERTY LINE LOCATIONS BEFORE INSTALLATION OF ANY PERIMETER PLANT MATERIAL OR IRRIGATION SYSTEM.

F. ALL PLANTINGS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION, IF REQUIRED.

G. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING FULLY BOTH THE SITE AND THE BID DOCUMENTS. DISCREPANCIES IN DOCUMENTS OR SITE CONDITIONS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IN WRITING AT TIME OF BIDDING OR DISCOVERY, AND NO ACCOUNT SHALL BE MADE AFTER CONTRACT COMPLETION FOR FAILURE TO REPORT SUCH CONDITION, OR FOR ERRORS ON THE PART OF THE LANDSCAPE CONTRACTOR AT TIME OF BIDDING. (ONLY EXTREMELY PECULIAR AND UNUSUAL CONDITIONS WILL BE CONSIDERED FOR NEGOTIATION.)

H. ALL QUESTIONS CONCERNING THIS PLAN SET OR SPECIFICATIONS SHALL BE DIRECTED TO THE LANDSCAPE ARCHITECT.

I. PLANT MATERIALS ARE TO BE BID AS SPECIFIED UNLESS UNAVAILABLE, AT WHICH TIME THE LANDSCAPE ARCHITECT WILL BE NOTIFIED BY TELEPHONE AND IN WRITING OF THE INTENDED CHANGES.

J. THE PLANT KEY IS PRESENTED FOR THE CONVENIENCE OF THE CONTRACTOR. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND PLANT LIST, THE PLAN SHALL PREVAIL.

K. THE LANDSCAPE CONTRACTOR WILL PROVIDE A SOIL SAMPLE ANALYSIS TO DETERMINE APPROPRIATE SOIL AMENDMENTS (I.E., FERTILIZER, LIME, ETC.). THE CONTRACTOR WILL PROVIDE COPIES OF THE TEST RESULTS TO THE OWNER AND THE LANDSCAPE ARCHITECT.

L. ALL PLANTS TO BE FERTILIZED WITH AGRIFORM 20-10-05 TABLETS AS PER INSTRUCTIONS IN CONJUNCTION WITH NOTE K.

M. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY APPLICABLE PERMITS AND LICENSES TO PERFORM THE WORK SET FORTH IN THE PLAN SET OR WRITTEN SPECIFICATIONS.

N. THERE SHALL BE NO ADDITIONS, DELETIONS, OR SUBSTITUTIONS WITHOUT THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.

O. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH THE WORK OF OTHER TRADES OR PROFESSIONALS ON THE SITE WHOSE WORK MAY OVERLAP OR INTERFERE WITH THE WORK SET FORTH IN THE PLAN SET OR WRITTEN SPECIFICATIONS.

P. THE GENERAL CONTRACTOR SHALL ENSURE THAT ALL PLANTING ISLANDS OR AREAS SHALL BE CLEAN OF ALL TRASH, DEBRIS, OR OTHER NON-INDIGENOUS MATERIALS TO A DEPTH OF 18\"/>

Q. THE LANDSCAPE CONTRACTOR AND/OR GENERAL CONTRACTOR SHALL NOTIFY THE OWNER AND THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN SITE CONDITIONS OR NON-CONFORMANCE TO SPECIFICATIONS, SUCH AS GRADING, BACKFILLING, REMOVAL OF DEBRIS, GRUBBING, ETC.

R. ALL EXISTING TREES TO REMAIN SHALL BE BARRICADED (SEE DETAIL).

S. ALL CLEARING, GRUBBING, EXCAVATING, AND/OR GRADING UNDER THE DRIP LINE OF TREES TO REMAIN TO BE DONE BY HAND. ANY EXCEPTIONS TO THIS SHALL BE APPROVED AND SUPERVISED BY THE LANDSCAPE ARCHITECT.

T. ALL TREES TO REMAIN SHALL HAVE ALL DEAD WOOD AND CONFLICTING WOOD REMOVED. ANY BALL MOSS OR OTHER PARASITIC PLANT SPECIES SHALL BE REMOVED FROM TREE CANOPY.

U. ALL TREES TO REMAIN SHALL BE SPRAYED WITH LINDANE OR APPROVED EQUAL TO CONTROL BORES. SPRAY SHALL BE APPLIED BY A STATE CERTIFIED INDIVIDUAL OR FIRM ONLY.

D. TOPSOIL

TOPSOIL SHALL BE A NATURAL FRIABLE, FERTILE, FINE LOAM SOIL. IT SHALL BE CERTIFIED (BY TESTING) TO BE FREE OF WEED SEEDS AND PATHOGENS. IT SHALL ALSO BE FREE OF LITTER, SOD, CLAY, STONES, ROOTS AND STUMPS. IT SHALL BEAR A PH OF BETWEEN 5.5 AND 7.5.

E. EDGING

ALL EDGING SHALL BE AS DESCRIBED IN THE PLANTING DETAILS.

F. TREE STAKING

ALL TREES TO BE STAKED AND GUYED AS SHOWN IN THE DETAILS UNLESS OTHERWISE SPECIFIED BY THE GENERAL CONTRACTOR. TREE STAKING OR SUPPORT WIRE SHALL BE REMOVED AFTER ONE (1) COMPLETE GROWING SEASON.

G. WARRANTY

ALL PLANT MATERIAL SHALL BE GUARANTEED BY CONTRACTOR FOR A PERIOD OF ONE YEAR FROM RECEIVING FINAL ACCEPTANCE BY THE OWNER AND/OR LANDSCAPE ARCHITECT.

CLIENT
URBAN DEVELOPMENT SOLUTIONS
6538 1ST AVE NORTH
ST. PETERSBURG, FL. 33710

PROJECT NAME
TANGERINE PLAZA
LANDSCAPE DETAILS

SEC. 25 TWP. 31 S. RNG. 16 E.

REVISIONS

No.	DESCRIPTION	DATE	BY
5.	FOR CONSTRUCTION	02/28/05	WAR
4.	REV. PER CITY COMMENTS FOR BID ADDENDUM #2.	1/19/05	WAR
3.	ISSUED FOR BID	12/17/04	TAP
2.	CITY SUBMITTAL	12/09/04	WAR
1.	REVISED PLANS PER SHOWN AND RE-ISSUED	08/26/04	TAP



George F. Young, Inc.
ARCHITECTURE • ENGINEERING • ENVIRONMENTAL
LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING

ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE
SARASOTA • NORTH PALM BEACH

RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North
St. Petersburg FL 33701-0683
Tel.: (727) 822-4317 Fax: (727) 822-2919

DESIGNED: NC
DRAWN: TAP
CHECKED: DATE: 08/26/04
SCALE:

WILLIAM J. RICHMOND, ASLA
Florida Landscape Architect, #1556

SHEET

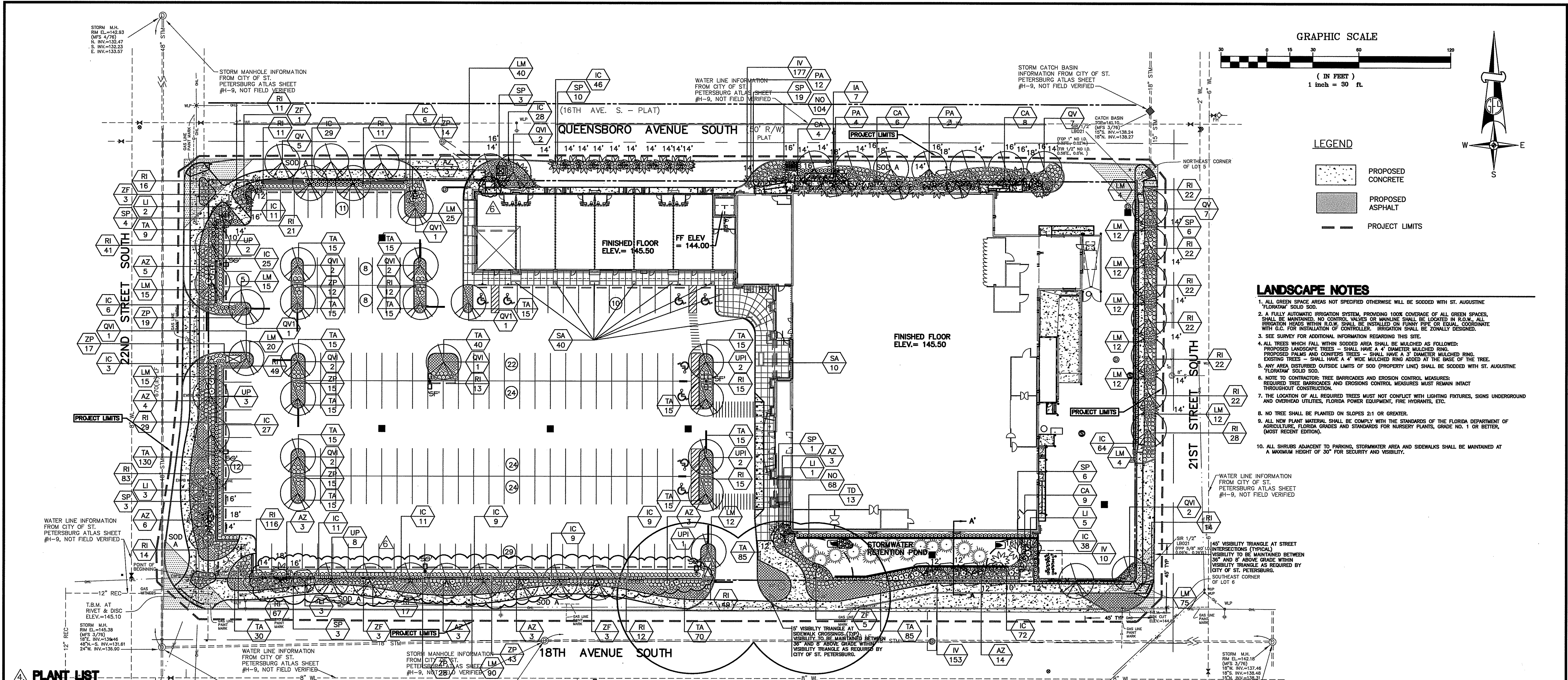
L-2

L-2

JOB No. 0311-0181-00

FILE: I:\PROJECTS\ENG\0311-0181-00-TANGERINE_PLAZA\DWG\0311018101DLP.DWG

PLotted: 10/03/05 10:06:07 LOGIN: RICHMOND



PLANT LIST			
SYM	QTY	BOTANICAL NAME	COMMON NAME
CANOPY TREES			
QV	19	Quercus virginiana	LIVE OAK
QVI	17	Quercus virginiana	LIVE OAK
TD	13	Taxodium distichum	BALD CYPRESS
UP	13	Ulmus parvifolia 'Allee'	ALLEE ELM
UPI	5	Ulmus parvifolia 'Allee'	ALLEE ELM
PALMS AND UNDERSTORY TREES			
IA	7	Ilex attenuata 'East Palatka'	EAST PALATKA HOLLY
LI	14	Lagerstroemia indica 'Muskogee'	LAVENDER CRAPE MYRTLE
SP	55	Sabal palmetto	CABBAGE PALM
SHRUBS AND GROUNDCOVERS			
AZ	47	Alpinia zerumbet variegata	VARIATED SHELL GINGER
CA	27	Crinum asiaticum	CRINUM LILY
IC	408	Ilex cornuta 'Dwarf Burford'	DWARF BURFORD HOLLY
IV	340	Ilex vomitoria 'Schillings Dwarf'	SCHILLINGS YAUPON HOLLY
LM	383	Liriope muscari 'Evergreen Giant'	EVERGREEN GIANT LIRIOPE
NO	167	Nerium oleander 'Salmon Dwarf'	SALMON DWARF OLEANDER
PA	19	Plumbago auriculata 'Imperial Blue'	IMPERIAL BLUE PLUMBAGO
RI	776	Raphiolepis indica 'Dwarf White'	DWARF WHITE INDIAN HAWTHORN
SA	50	Seasonal Annuals	SEASONAL ANNUALS
TA	644	Trachelospermum asiaticum	DWARF CONFEDERATE JASMINE
ZF	15	Zamia furfuracea	CARDBOARD PALM
ZP	163	Zamia pumila	COONTIE
SOD A		Stenotaphrum secundatum	ST. AUGUSTINE FLORATAM SOD

LANDSCAPE DATA

PERIMETER PARKING LOT LANDSCAPING (ADJ. TO PROPERTY LINES)
2 SHADE TREES PER 50 LF.
CONTINUOUS HEDGE (SHRUBS 30" O.C.)

NORTH PROPERTY PERIMETER
PROPERTY PERIMETER (605 LF):
CONTINUOUS HEDGE (SHRUBS 30" O.C.)

SOUTH PROPERTY PERIMETER
PROPERTY PERIMETER (605 LF):
CONTINUOUS HEDGE (SHRUBS 30" O.C.)

EAST PROPERTY PERIMETER
PROPERTY PERIMETER (260 LF):
CONTINUOUS HEDGE (SHRUBS 30" O.C.)

WEST PROPERTY PERIMETER
PROPERTY PERIMETER (260 LF):
CONTINUOUS HEDGE (SHRUBS 30" O.C.)

INTERIOR PARKING LOT LANDSCAPING
MIN. 10% VEHICULAR USE AREA =
INTERIOR + TERMINAL ISLANDS
PERVIOUS + IMPERVIOUS SURFACES OF V.U.A.

% PARKING LOT LANDSCAPING = $\frac{3128 \text{ SF}}{87,257 \text{ SF}} = 3.6\%$

MIN. 1 TREE PER ISLAND (20 ISLANDS)
ALL TERMINAL ISLANDS WITHIN V.U.A. TO BE PLANTED WITH APPROVED GROUNDCOVER
AND/OR SHRUB MATERIAL WHICH WILL PROVIDE 75% COVERAGE PER THE CITY
OF ST. PETERSBURG CODE

REQUIRED PROVIDED

24 TREES 24 TREES MIN.

24 TREES 24 TREES MIN.

10 TREES 10 TREES MIN.

10 TREES 10 TREES MIN.

10% 3.6%

20 TREES 20 TREES MIN.

ALL TERMINAL ISLANDS WITHIN V.U.A. TO BE PLANTED WITH APPROVED GROUNDCOVER
AND/OR SHRUB MATERIAL WHICH WILL PROVIDE 75% COVERAGE PER THE CITY
OF ST. PETERSBURG CODE

LANDSCAPE DATA (CONTINUED)

FOUNDATION LANDSCAPING (TO BE LOCATED ADJ. TO BUILDING FOUNDATIONS)
1 FOUND. PLANT/1 L.F. BUILDING FOUNDATION PERIMETER
(FOUNDATION PLANTS TO CONSIST OF MIN. 50% SHRUBS, MIN. 1 GAL. PLANTS
PER CITY OF ST. PETERSBURG APPROVED LIST FOR FOUNDATION PLANTS.)

1 UNDERSTORY TREE/30 LF. BLDG. FOUNDATION
TOTAL BUILDING PERIMETER (1300 LF):

REQUIRED

1300 PLANTS

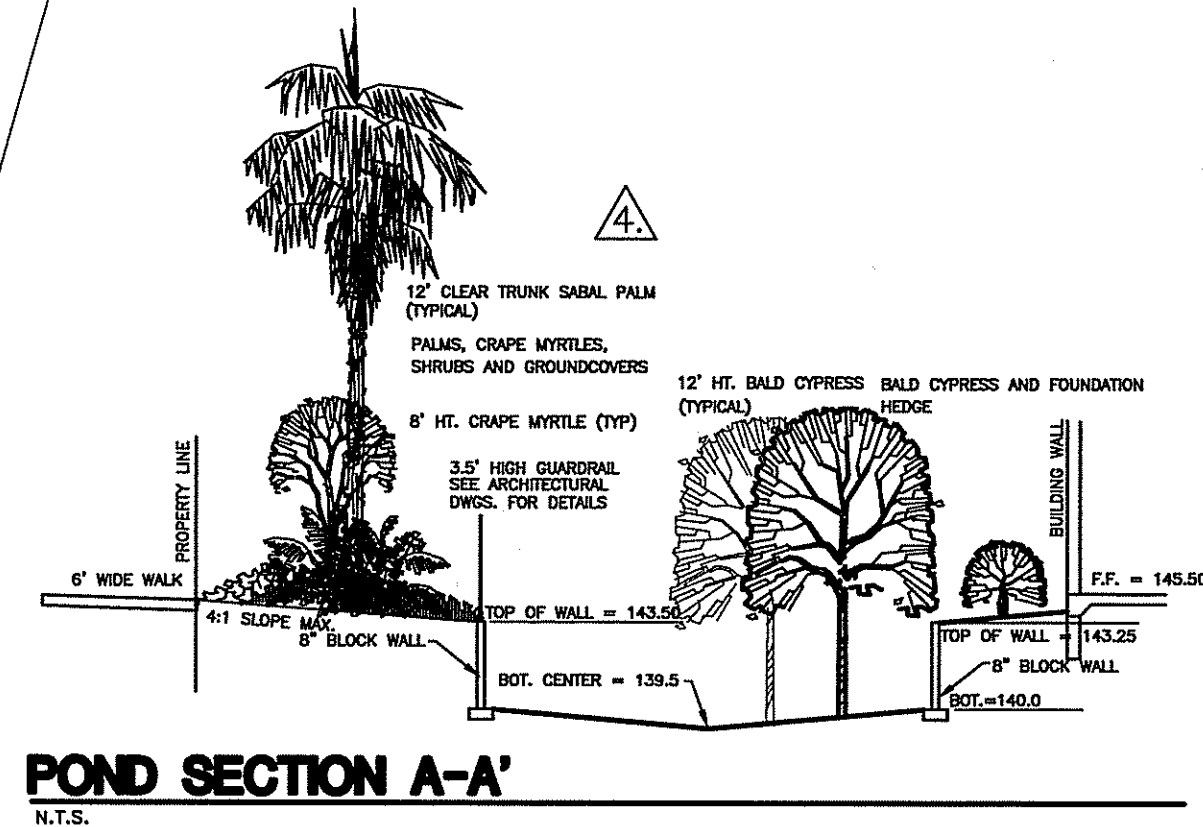
43 TREES


IRRIGATION NOTE:
A FULLY AUTOMATIC IRRIGATION SYSTEM PROVIDING 100% COVERAGE WILL BE INSTALLED AS THE CITY REQUIRES.
IRRIGATION SYSTEMS SHALL UTILIZE LOW VOLUME DESIGN SUCH AS LOW TRAJECTORY HEADS OR SOAKER
HOSES TO PROVIDE DIRECT APPLICATION LOW EVAPORATION AND HAVE A RAIN SENSOR DEVICE WHICH
WILL OVERRIDE THE IRRIGATION CYCLE OF THE SPRINKLER SYSTEM WHEN ADEQUATE RAINFALL HAS
OCCURRED. WATER SUPPLY SHALL BE PIPIED TO EACH INDIVIDUAL PLANTER ISLAND, AND IN NO CASE
SHALL ANY PLANTED VEGETATION AREA BE MORE THAN 50' FROM A WATER SUPPLY HOSE BIB. SHALLOW
WELLS, OPEN SURFACE WATER BODIES, OR RECLAIMED WATER SHALL BE UTILIZED UNLESS UNAVAILABLE.
AS A SOURCE OF IRRIGATION WATER, LANDSCAPE DESIGN SHOULD ZONE WATERING NEEDS TO SUN AND
SHADE ZONES, SHRUB BEDS TO LAWN AREAS, AND NEWLY PLANTED LANDSCAPE AREAS TO EXISTING
NATURAL AREAS.



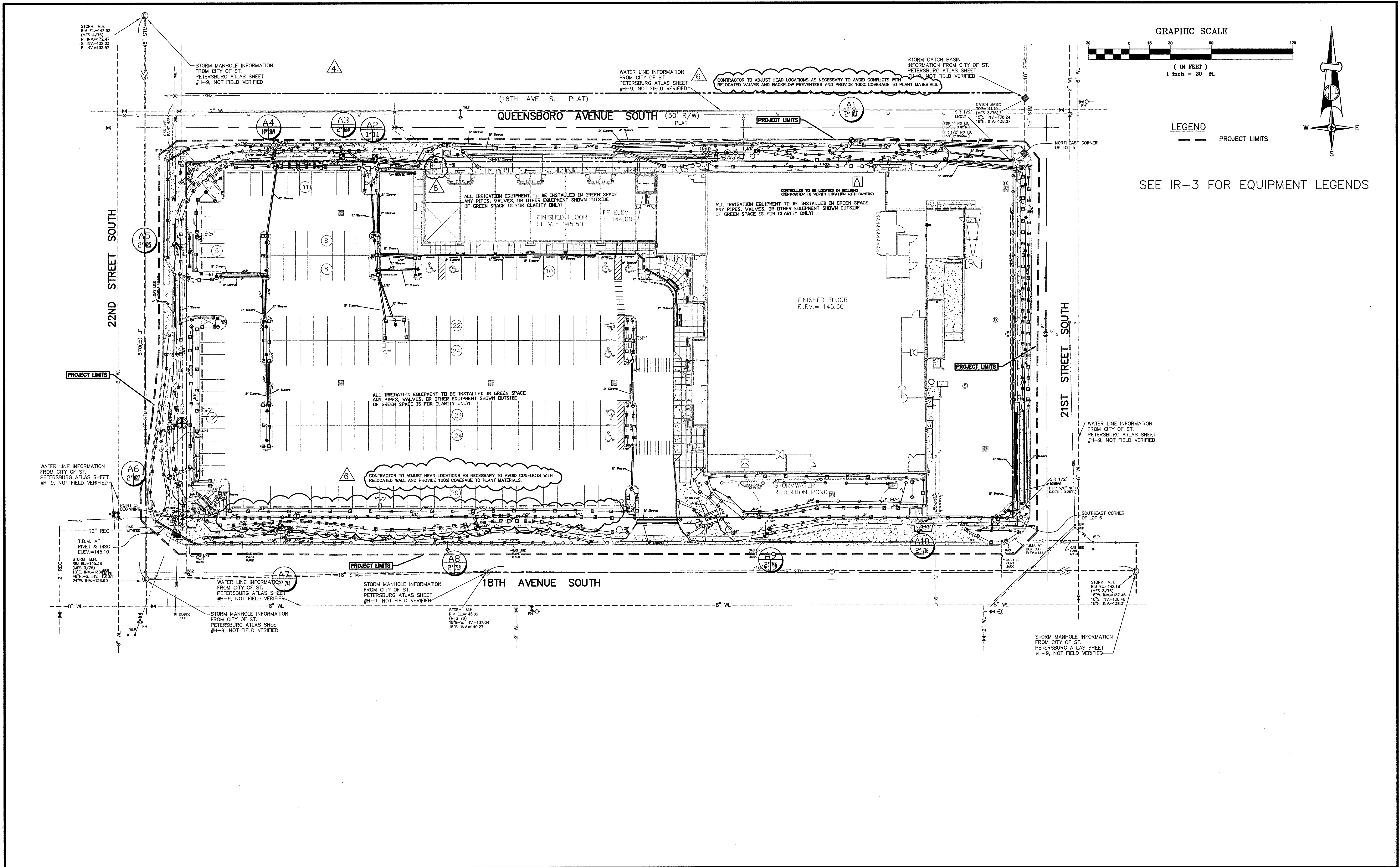
TERMINAL ISLAND LANDSCAPING:
SHRUBS AND GROUNDCOVERS PLANTED WITHIN THE TERMINAL ISLANDS SHOULD PROVIDE 100% COVERAGE
WITHIN TWO YEARS.


SHRUB HEIGHT NOTE:
ALL SHRUBS ADJACENT TO PARKING, STORMWATER AREA AND SIDEWALKS SHALL BE MAINTAINED AT
A MAXIMUM HEIGHT OF 30' FOR SECURITY AND VISIBILITY.



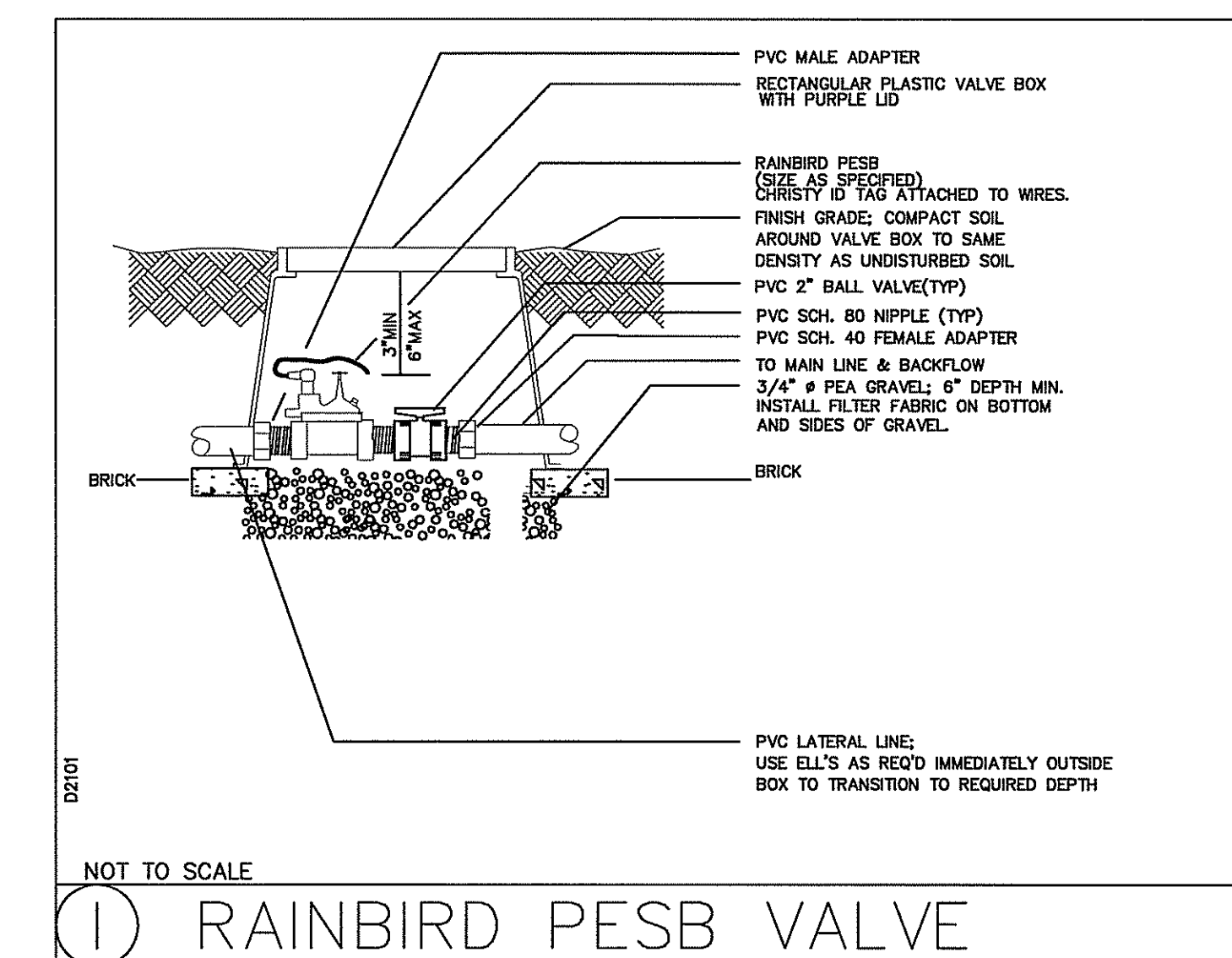
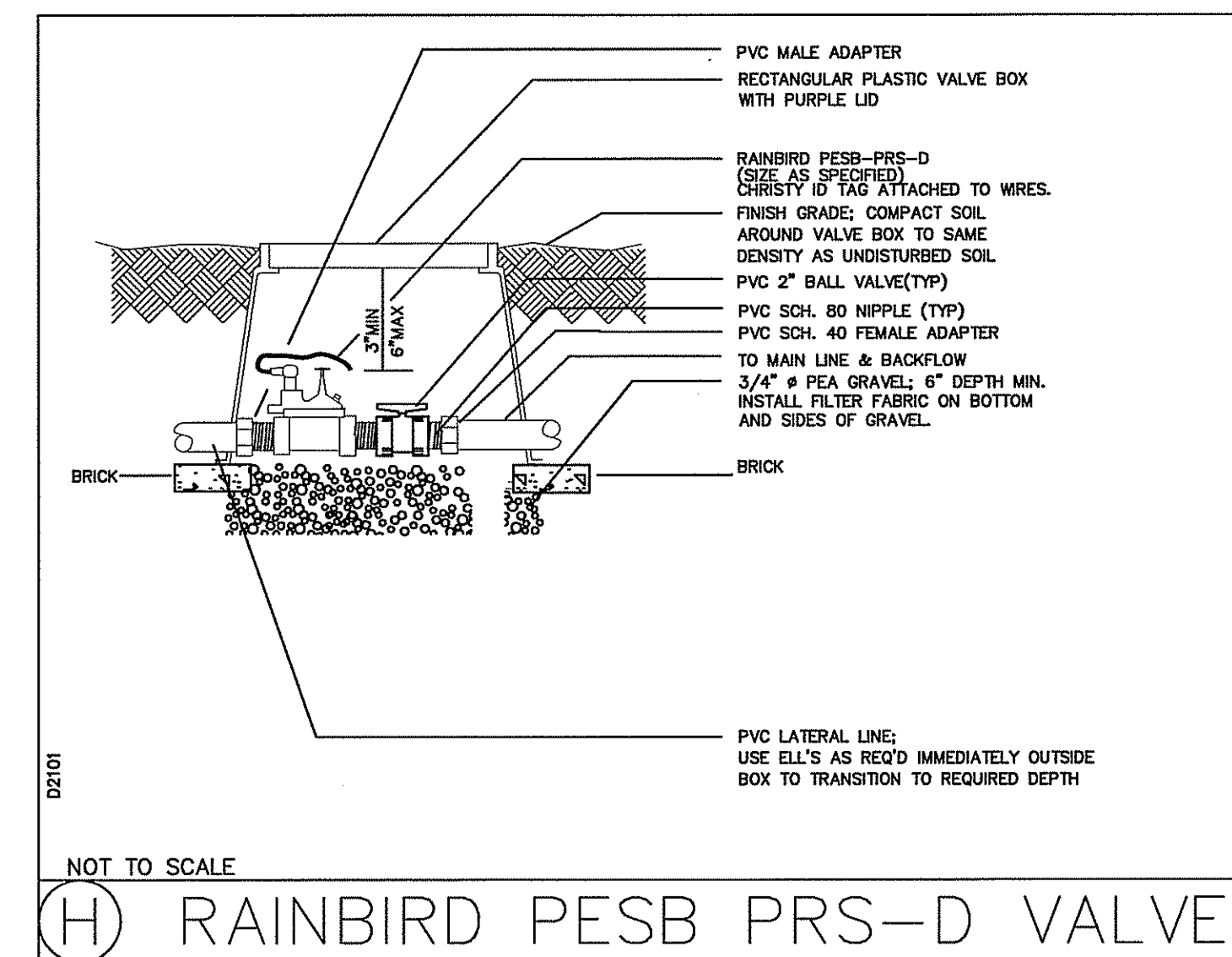
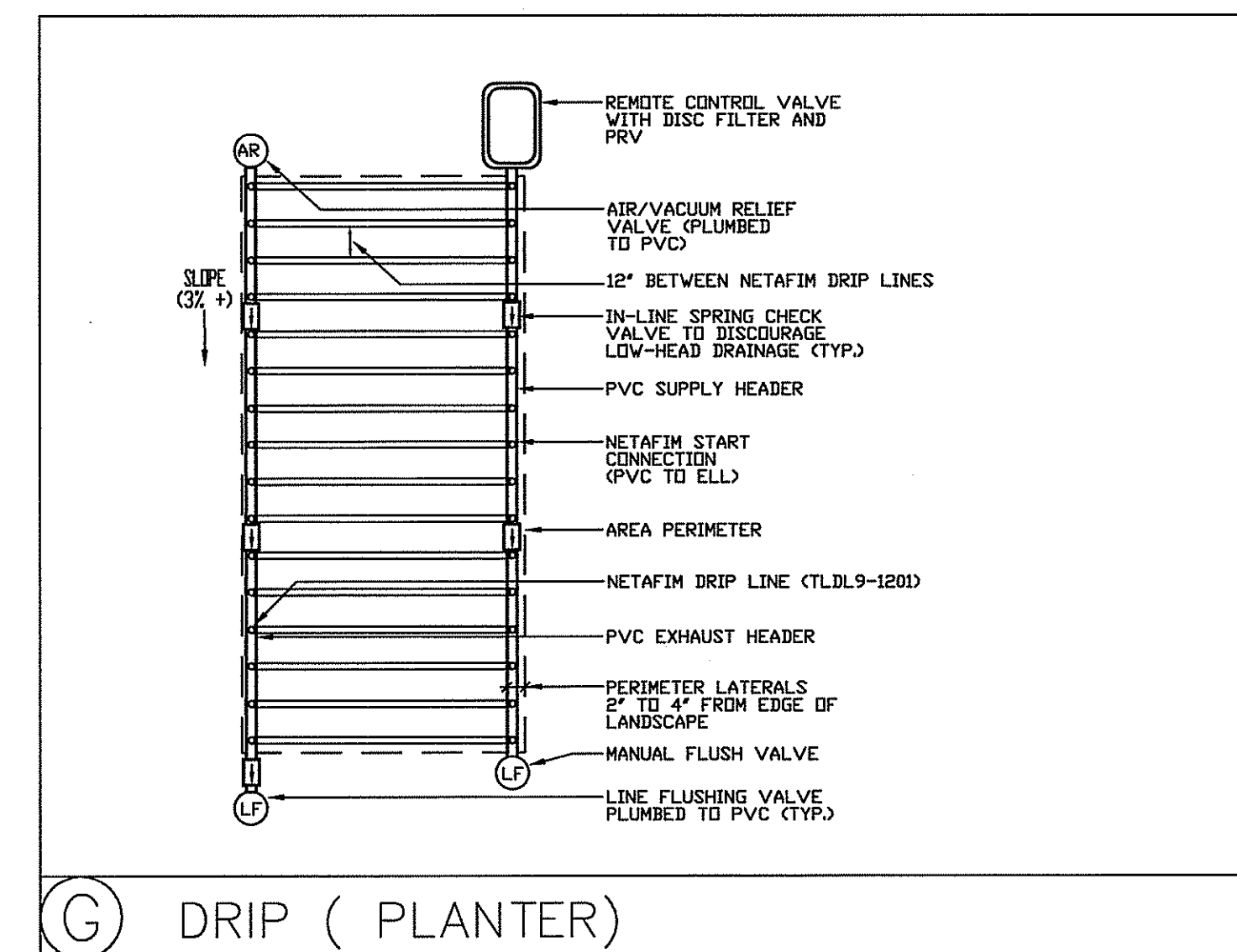
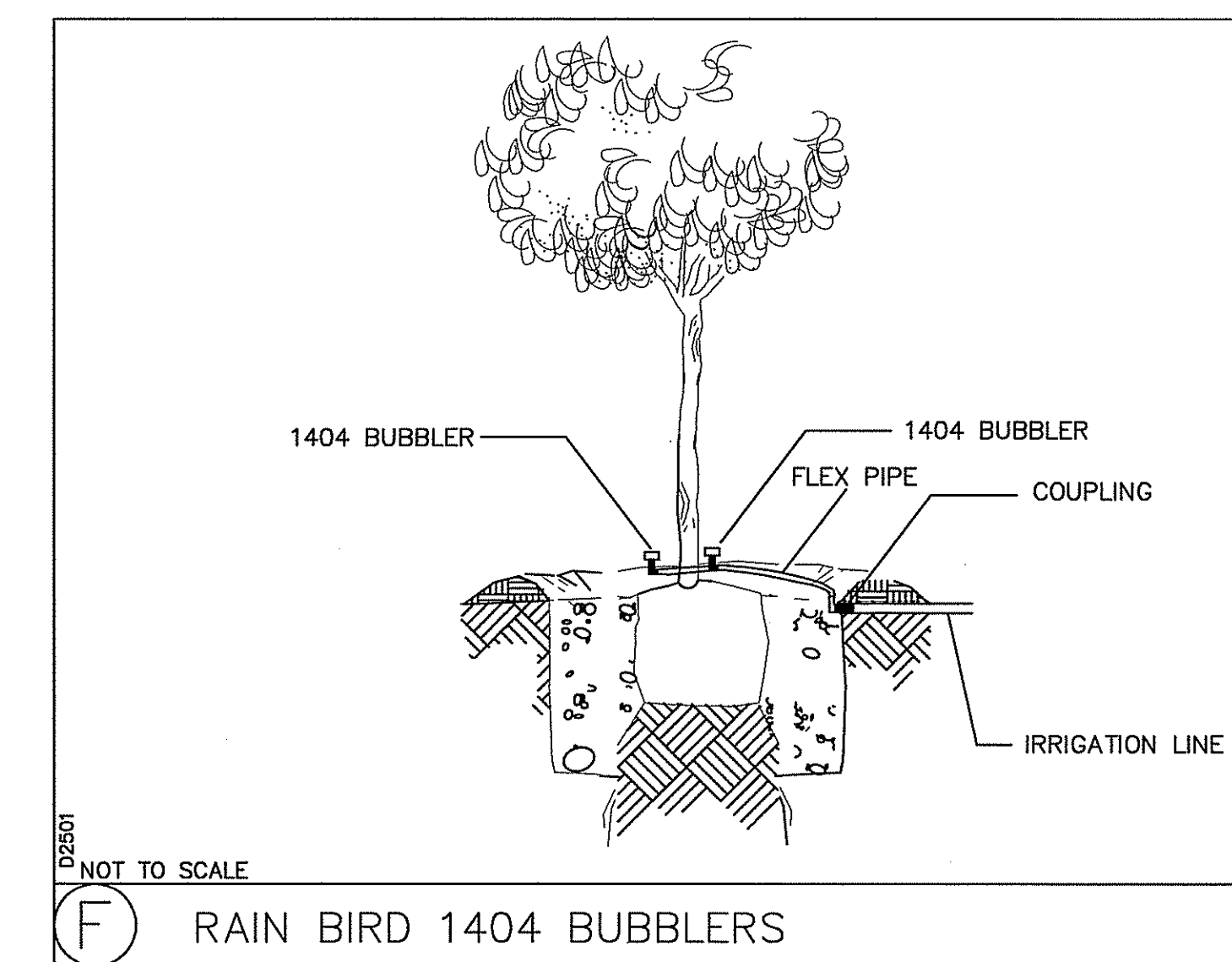
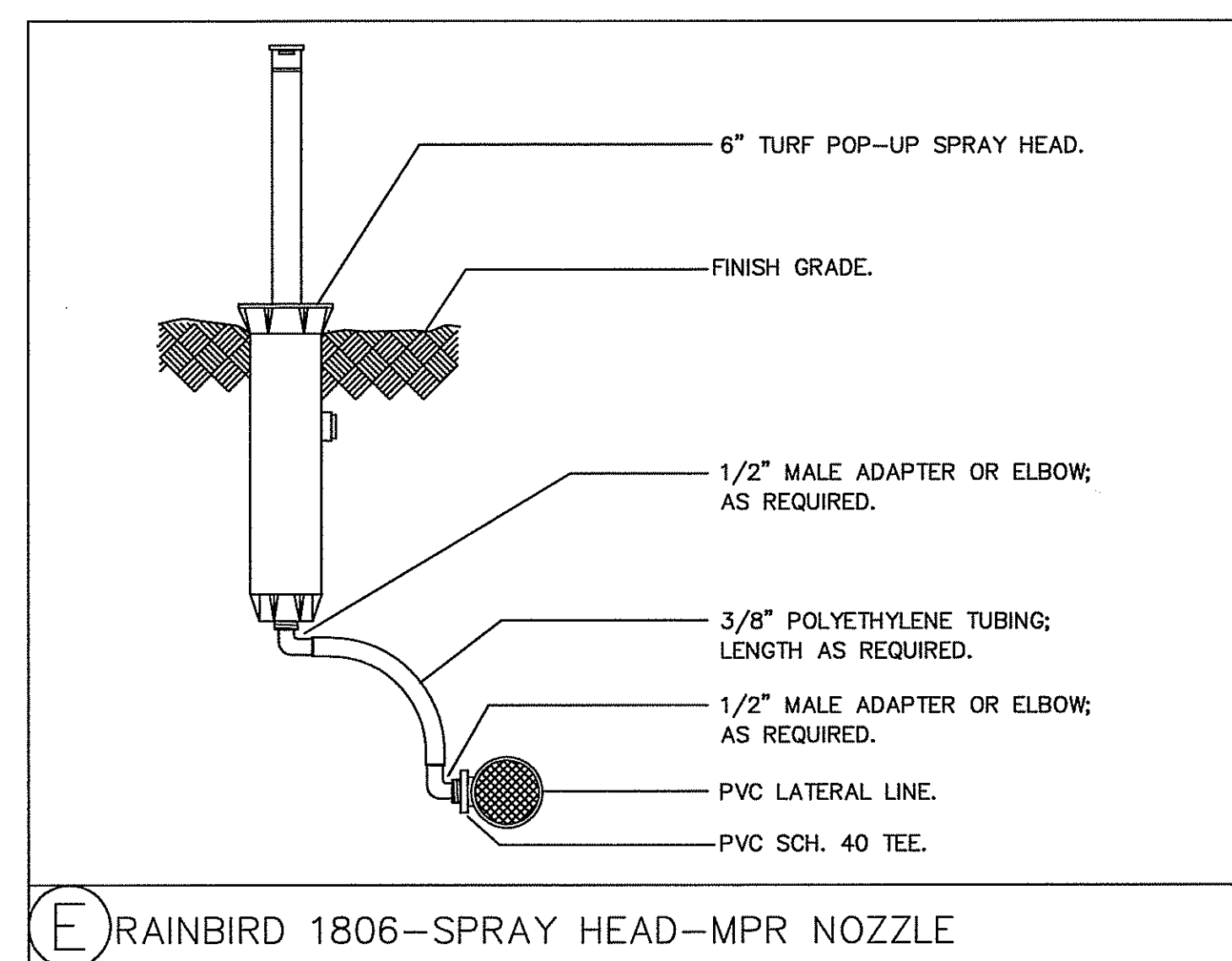
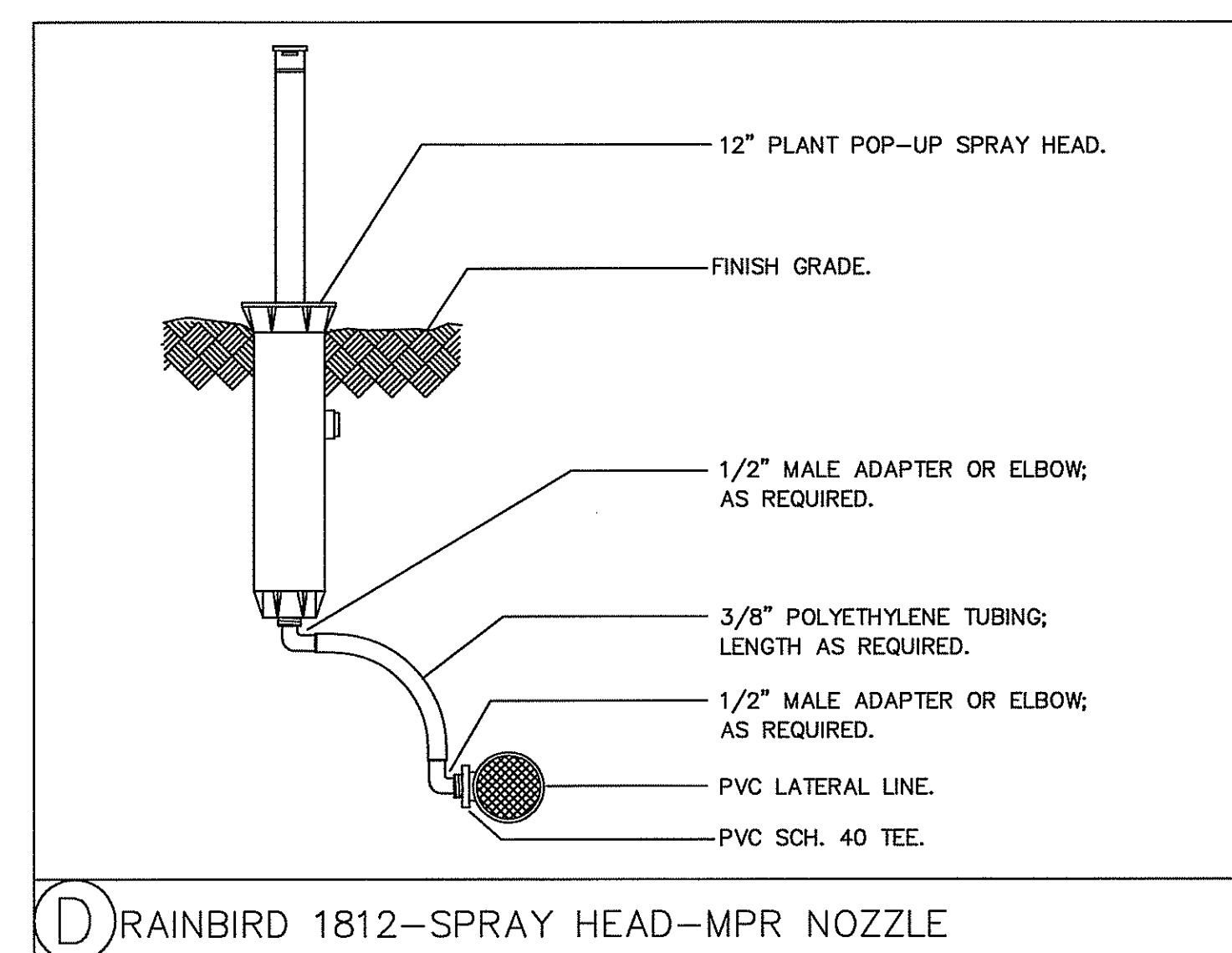
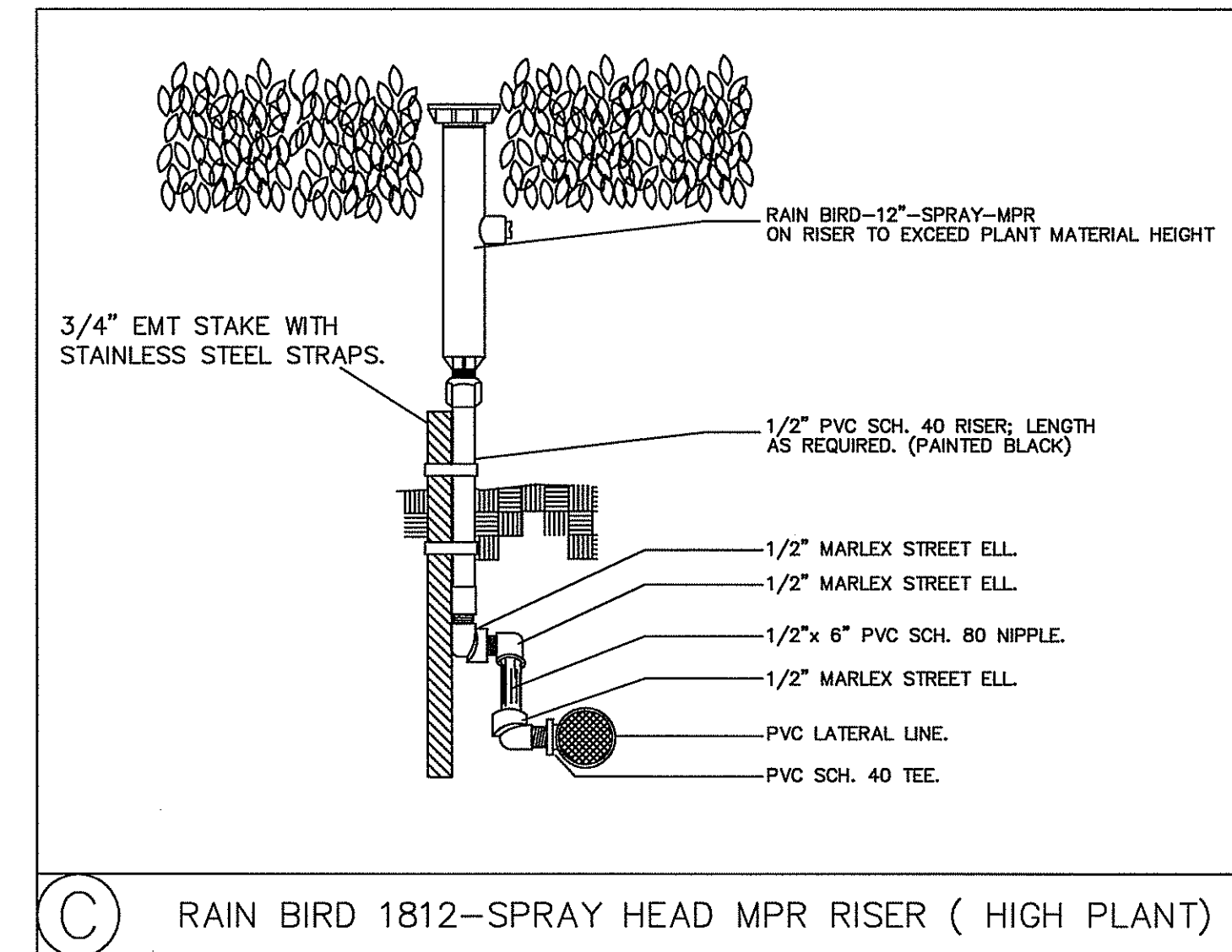
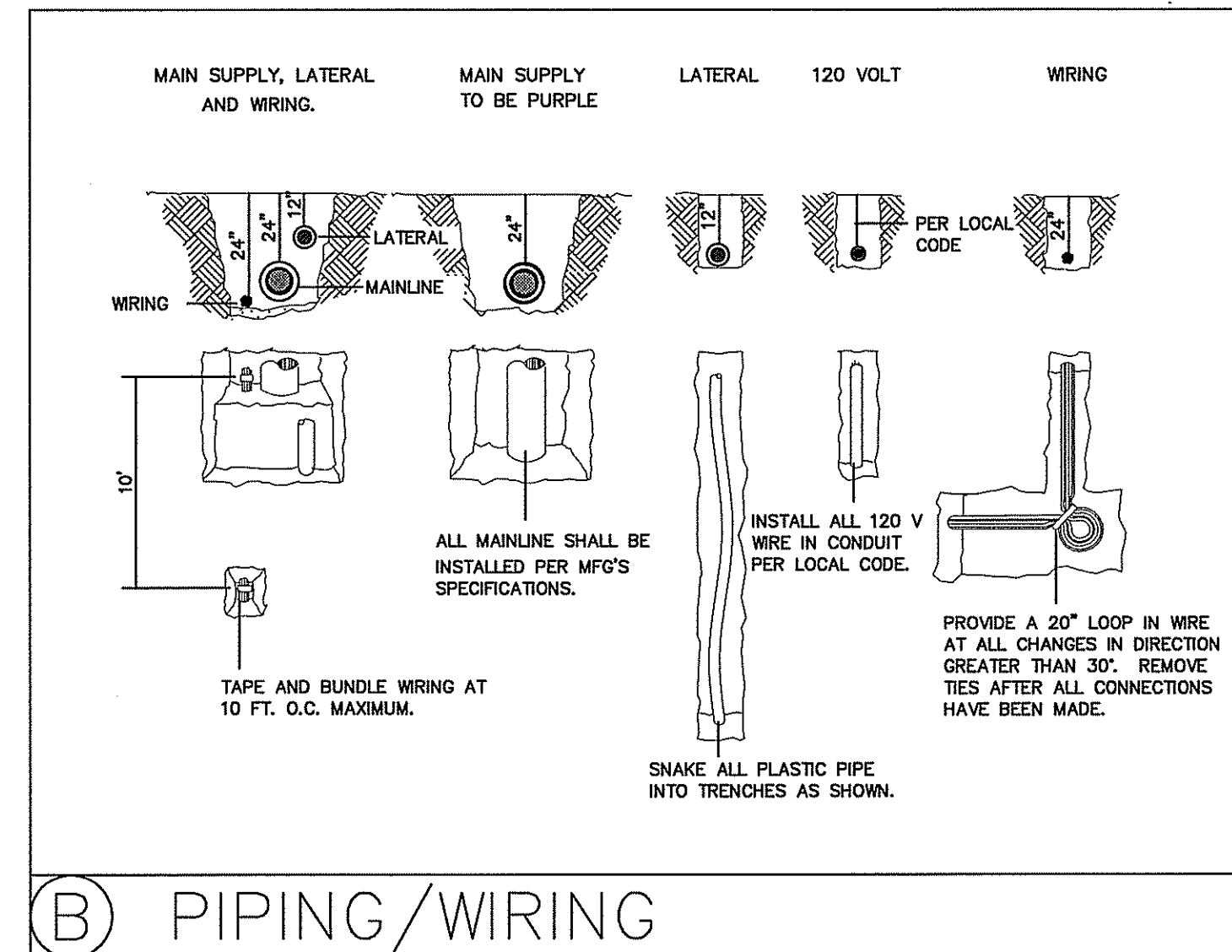
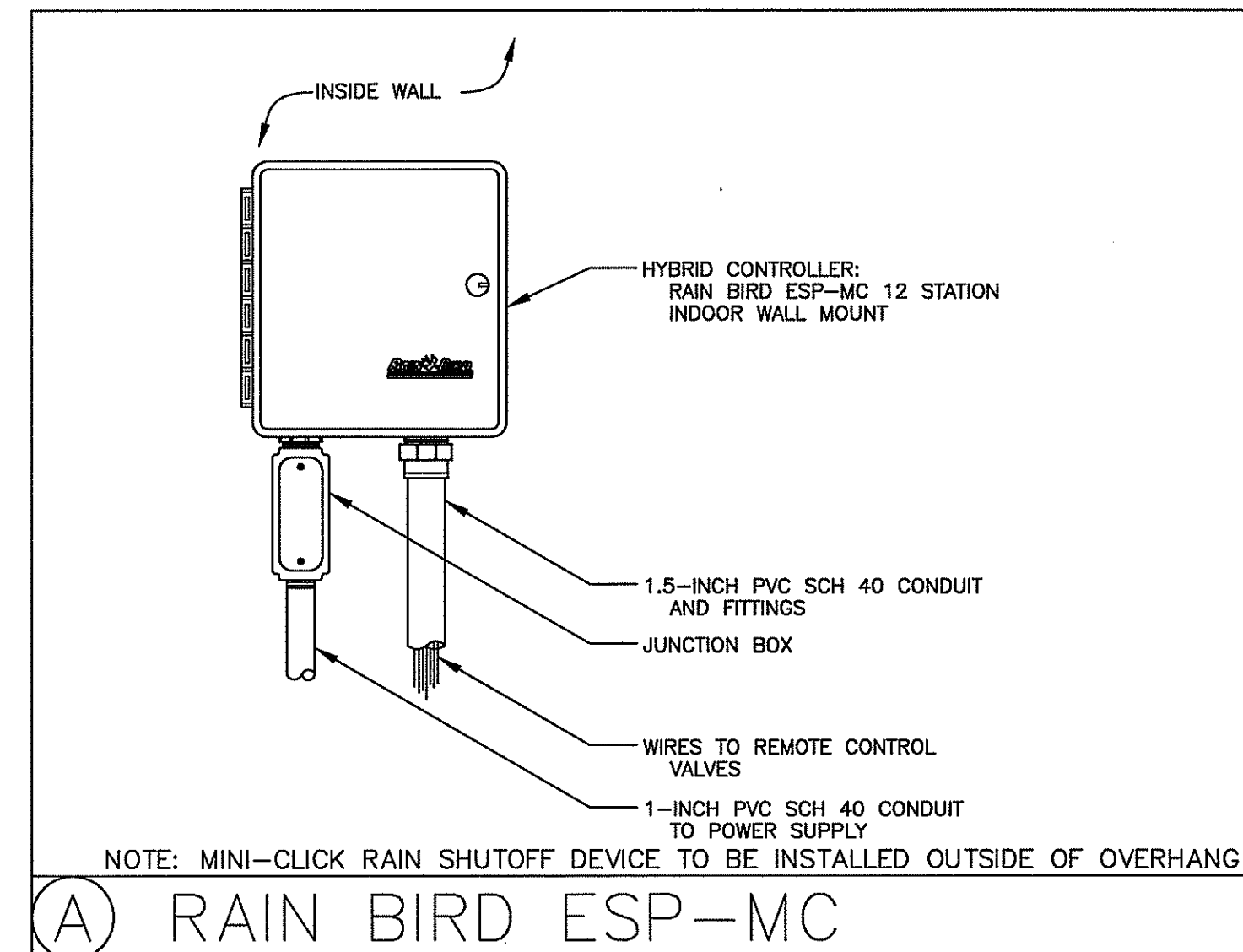
CLIENT		PROJECT NAME		REVISIONS					George F. Young, Inc. ARCHITECTURE • ENGINEERING • ENVIRONMENTAL LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE SARASOTA • NORTH PALM BEACH RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North St. Petersburg FL 33701-0683 Tel.: (727) 822-4317 Fax: (727) 822-2919		SHEET	
URBAN DEVELOPMENT SOLUTIONS 6538 1ST AVE NORTH ST. PETERSBURG, FL. 33710		TANGERINE PLAZA LANDSCAPE PLAN							<div>LB-021</div> <div>L-1</div> <div>L-2</div>			
		SEC. 25 TWP. 31 S. RNC. 16 E.		6. FOR CONSTRUCTION 02/28/05 WJR								
				5. REV. PER CITY COMMENTS 02/01/05 WJR								
				4. REV. PER CITY COMMENTS FOR BID ADDENDUM #2 1/19/05 WJR								
				3. ISSUED FOR BID 12/17/04 TAP								
				2. CITY SUBMITTAL 12/08/04 WJR								
				1. REVISED PLANS PER SWFMD AND RE-ISSUED 08/26/04 TAP								
				No. DESCRIPTION DATE BY				DESIGNED: NC DRAWN: TAP CHECKED: TAP DATE: 08/26/04				
								APPROVED DATE: 08/26/04				
								SCALE:				
								WILLIAM J. RICHMOND, ASLA Florida Landscape Architect. #1506				
								JOB NO. 0311-0181-00				





CLIENT		PROJECT NAME		REVISIONS		 Since 1919	George F. Young, Inc. ARCHITECTURE • ENGINEERING • ENVIRONMENTAL LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE SARASOTA • NORTH PALM BEACH RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North St. Petersburg, FL 33701-0663 Tel.: (727) 822-4317 Fax: (727) 822-2919		SHEET	
URBAN DEVELOPMENT SOLUTIONS 6538 1ST AVE NORTH ST. PETERSBURG, FL. 33710		TANGERINE PLAZA IRRIGATION PLAN					IR-1 IR-3		JOB No. 0311-0181-00	
SEC. 25 TWP. 31 S. RNG. 16 E.				No.	DESCRIPTION	DATE	BY	DESIGNED: NC DRAWN: TAP CHECKED:	APPROVED DATE: 08/26/04 DATE: SCALE:	WILLIAM J. RICHMOND, ASLA Florida Landscape Architect #1558
				5.	FOR CONSTRUCTION	02/28/05	WJR			
				4.	SHEET ADDED PER CITY COMMENTS FOR BID ADDENDUM #2	1/19/05	WJR			
				3.	ISSUED FOR BID	12/17/04	TAP			
				2.	CITY SUBMITTAL	12/08/04	WJR			
				1.	REVISED PLANS PER SHIRMD AND RE-ISSUED	08/26/04	TAP			

4.



CLIENT

URBAN DEVELOPMENT SOLUTIONS
6538 1ST AVE NORTH
ST. PETERSBURG, FL. 33710

PROJECT NAME

TANGERINE PLAZA
IRRIGATION DETAILS

SEC. 25 TWP. 31 S. RNG. 16 E.

REVISIONS

No.	DESCRIPTION	DATE	BY
5.	FOR CONSTRUCTION	02/28/05	WJR
4.	SHEET ADDED PER CITY COMMENTS FOR BID ADDENDUM #2	12/17/04	TAP
3.	ISSUED FOR BID	12/08/04	WJR
2.	CITY SUBMITTAL	08/26/04	TAP
1.	REVISED PLANS PER SHWMND AND RE-ISSUED		



George F. Young, Inc. LB-021

ARCHITECTURE • ENGINEERING • ENVIRONMENTAL
LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING
ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE
SARASOTA • NORTH PALM BEACH

RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North
St. Petersburg, FL 33701-0683
Tel.: (727) 822-4317 Fax: (727) 822-2919

DESIGNED: NC
DRAWN: TAP
CHECKED: TAP

APPROVED DATE: 08/26/04
DATE: 08/26/04
SCALE:

WILLIAM J. RICHMOND, ASLA
Florida Landscape Architect #1556

SHEET

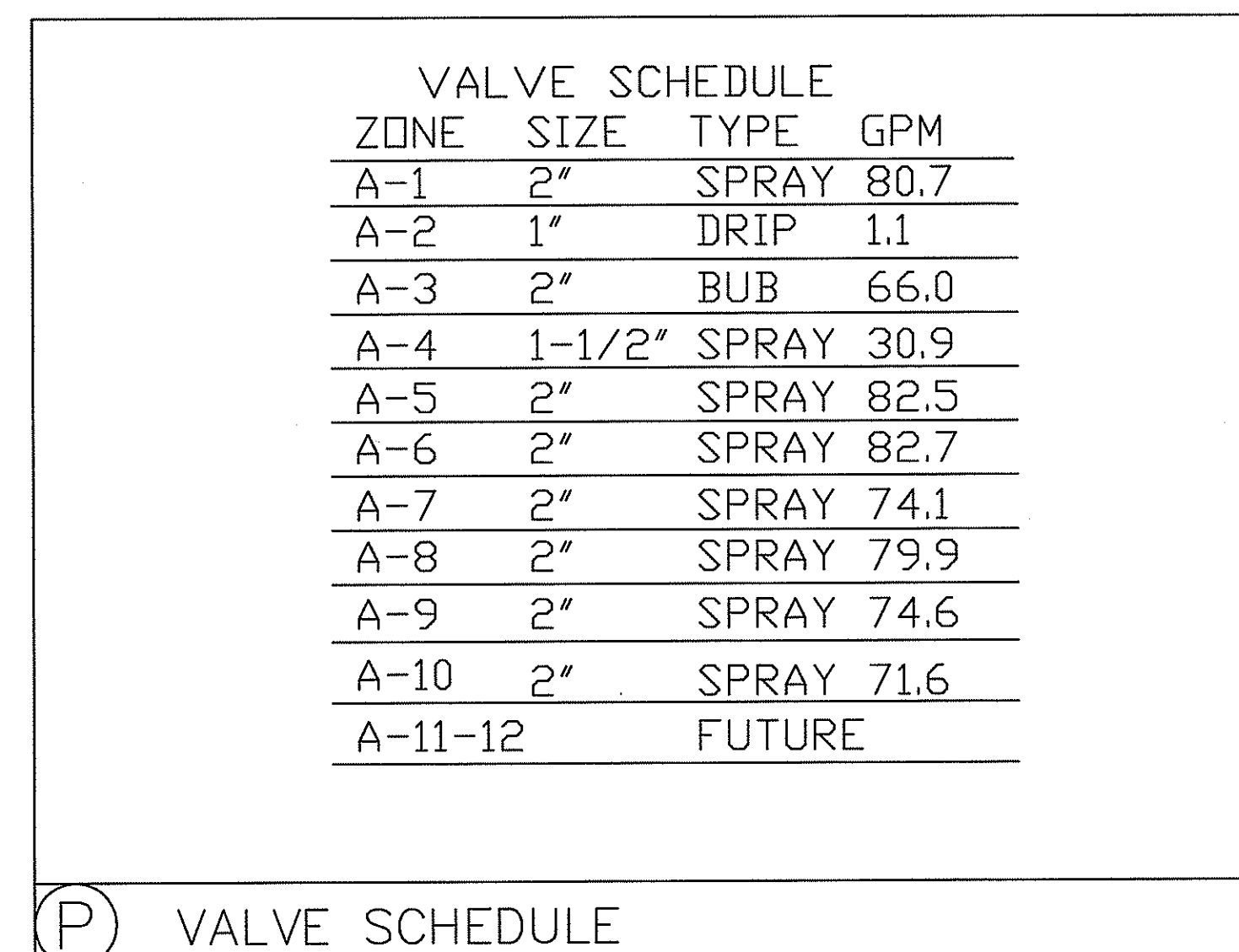
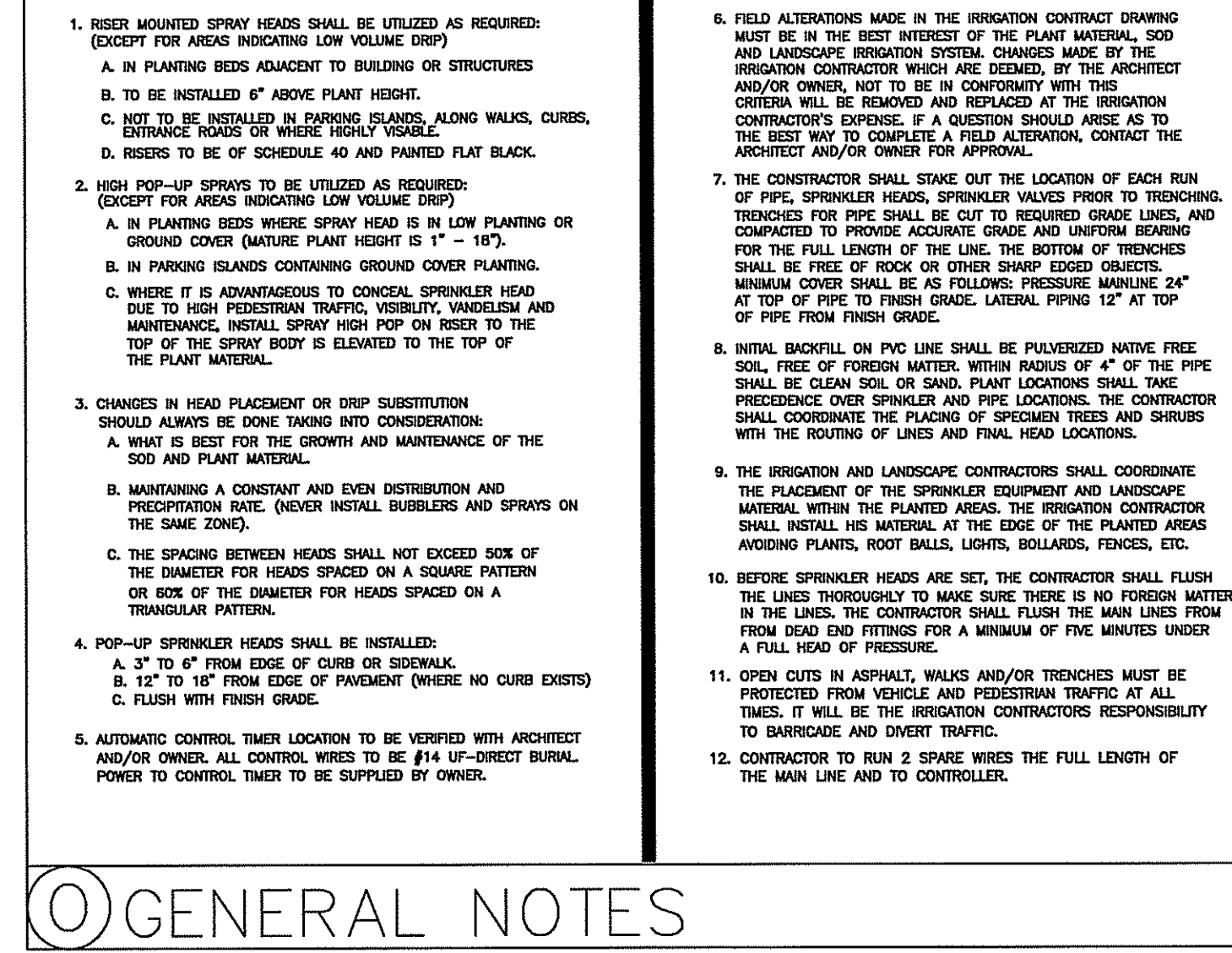
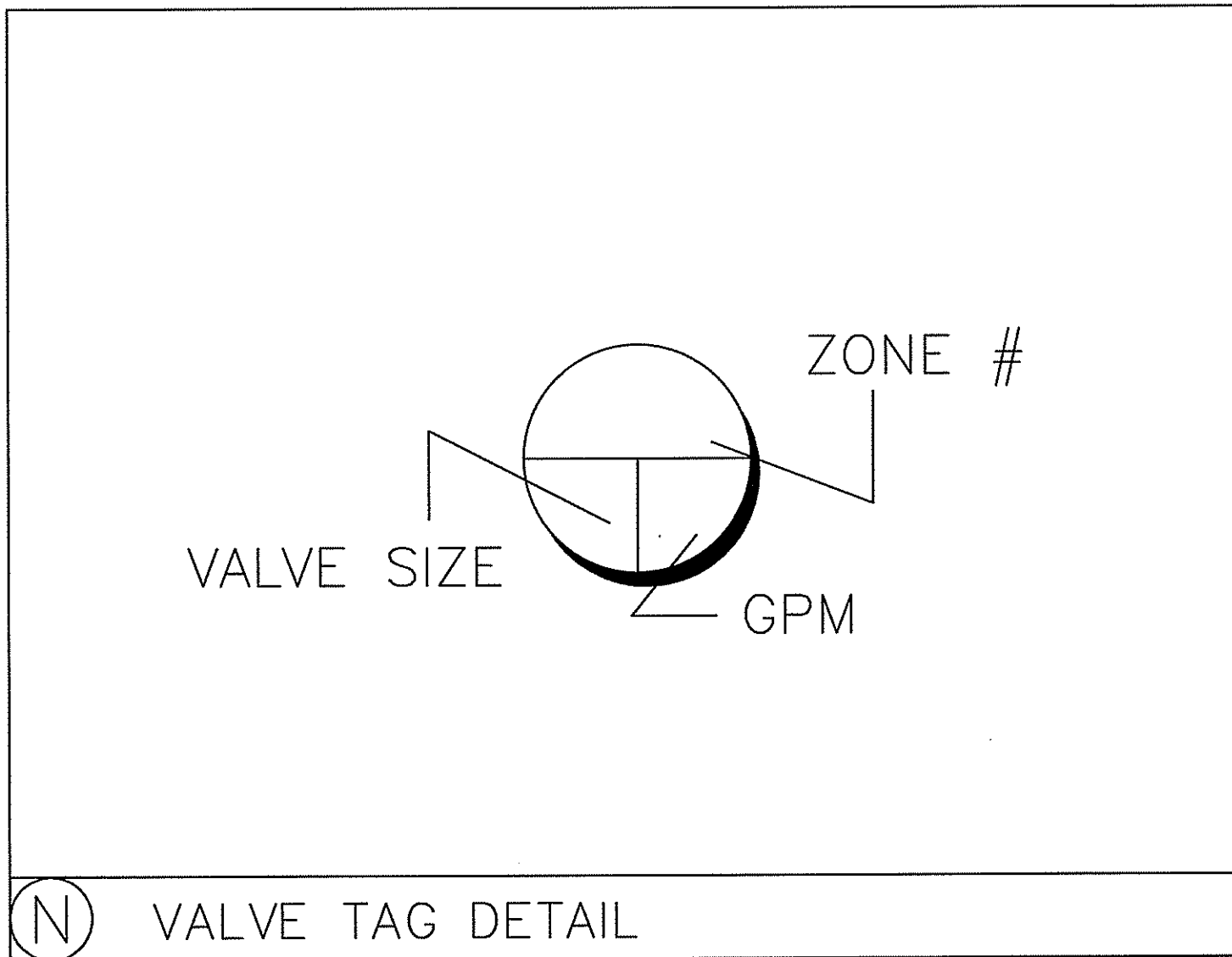
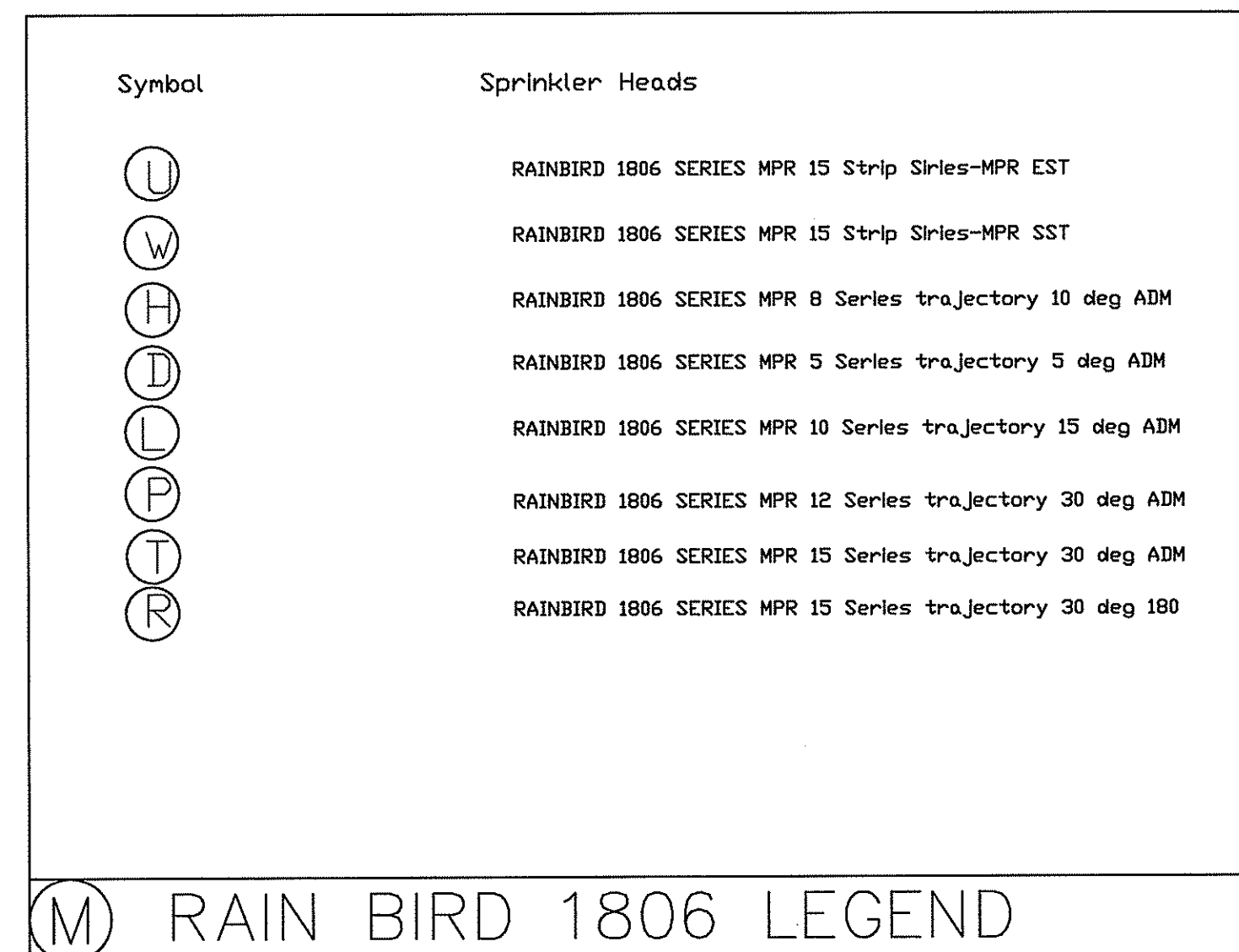
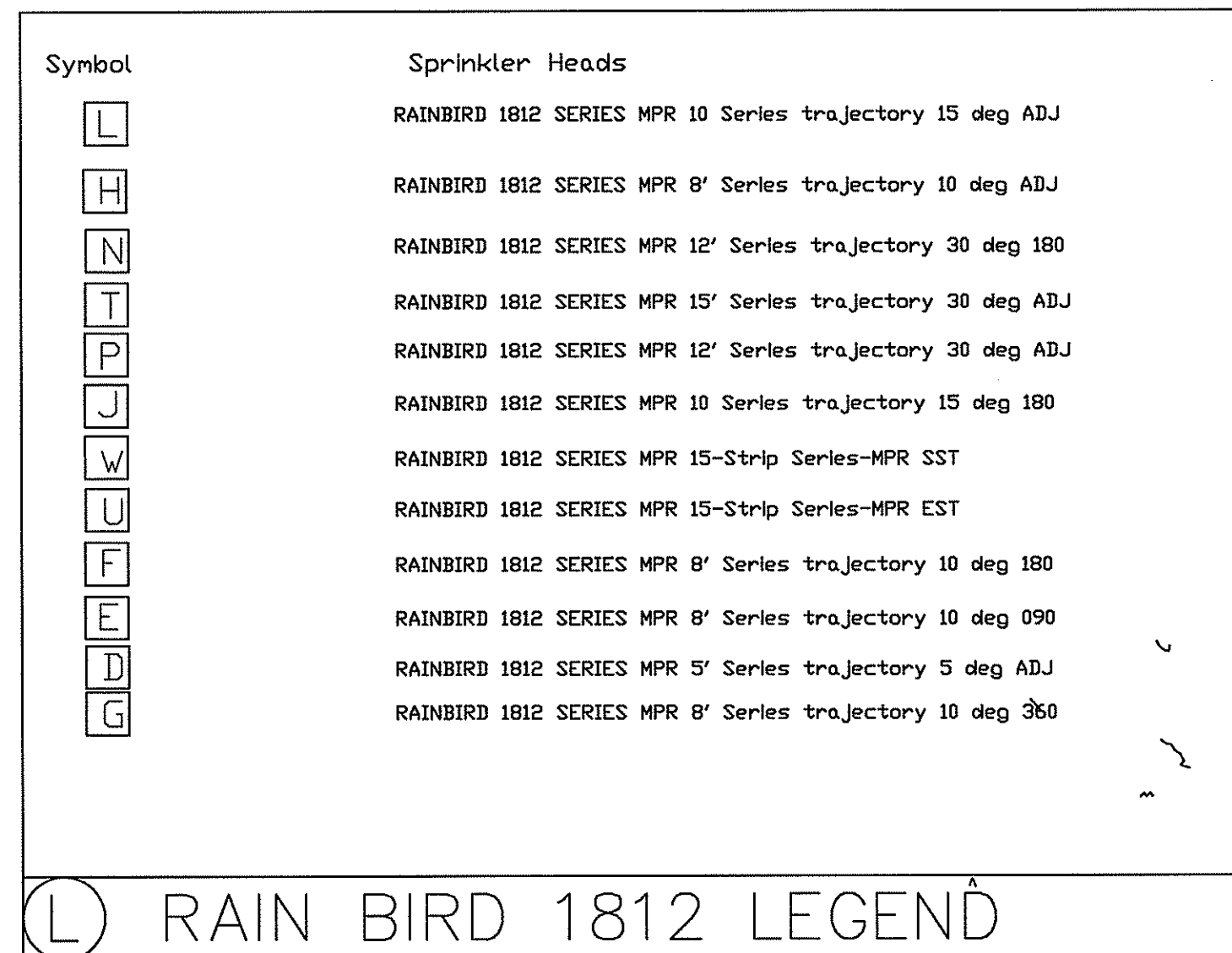
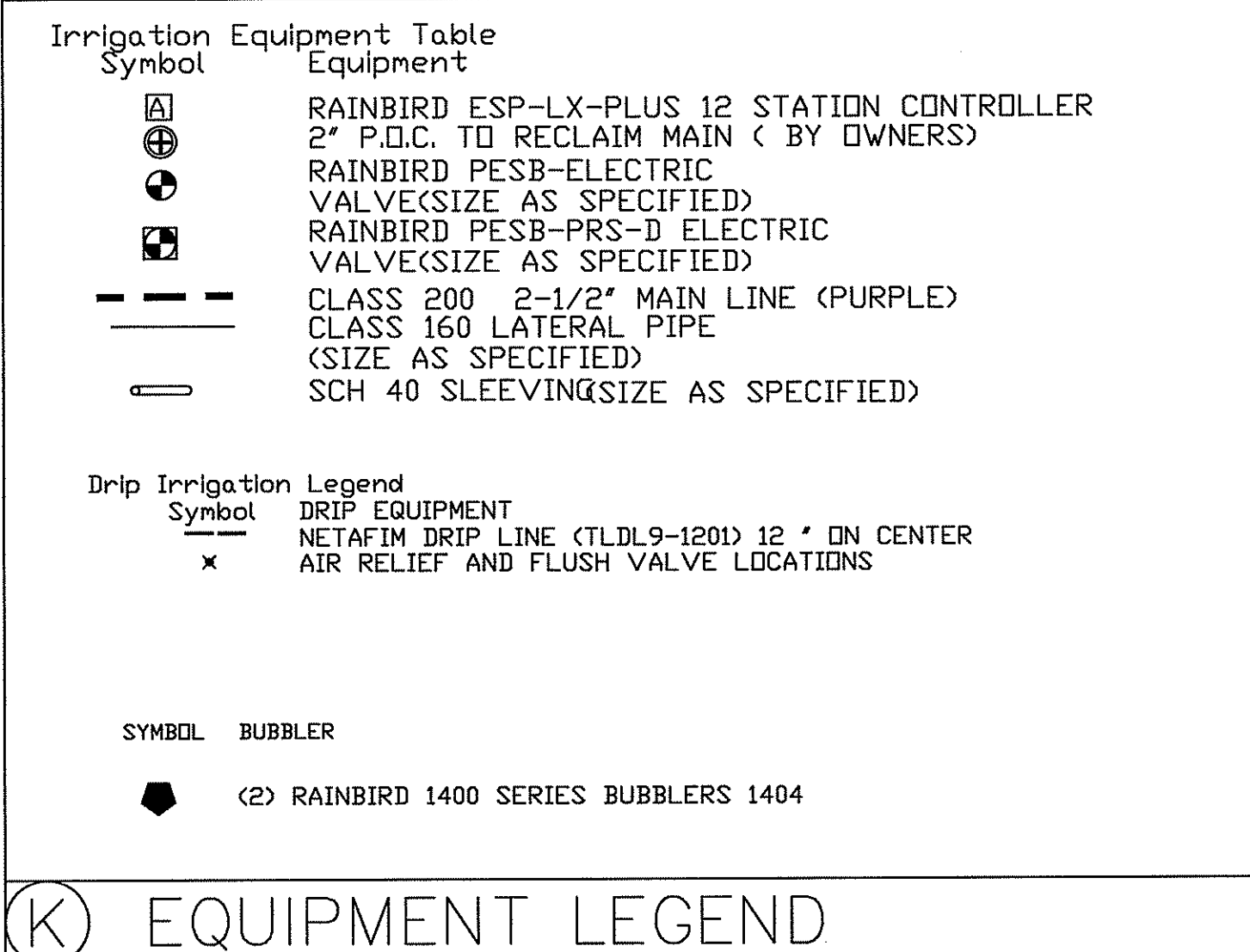
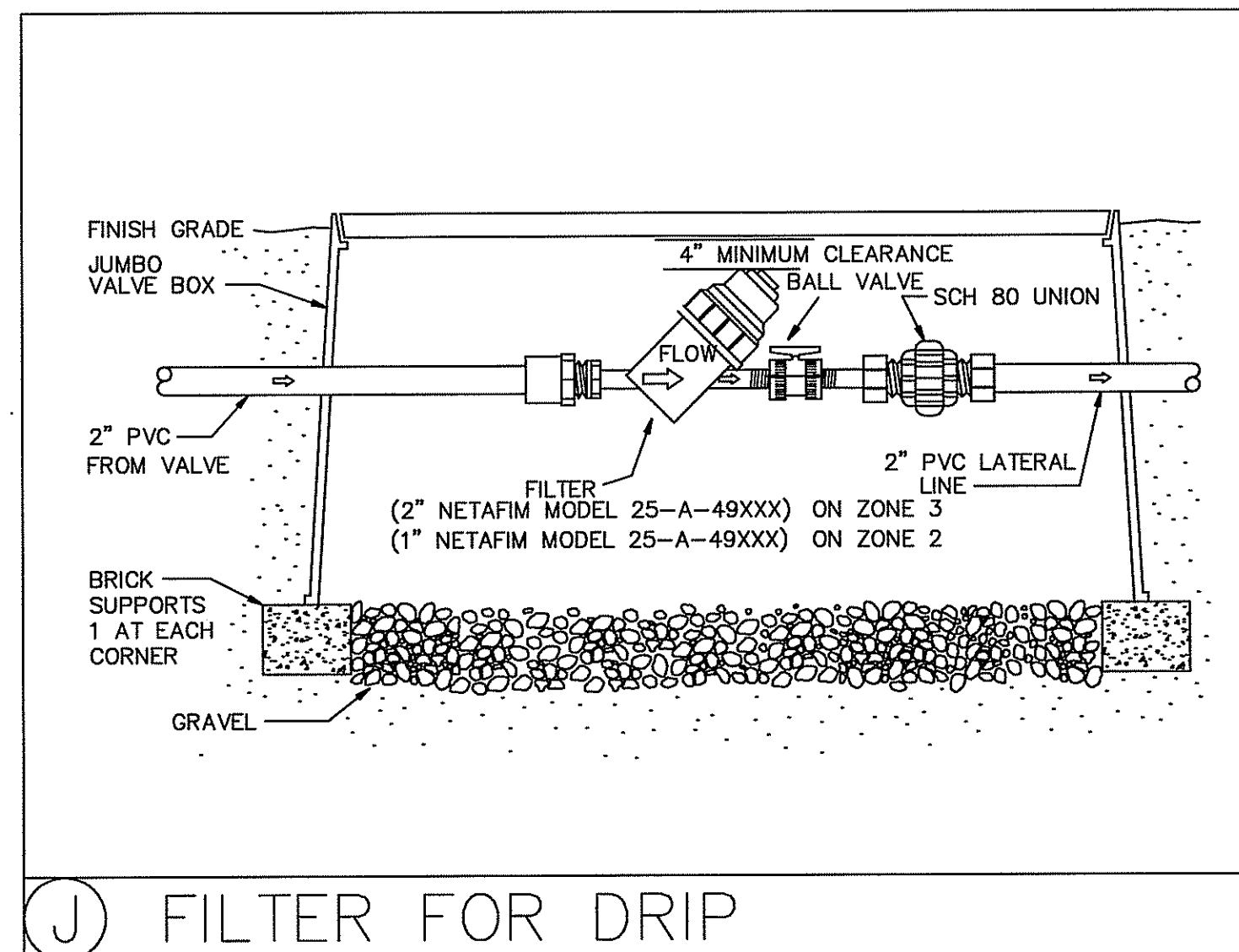
IR-2

IR-3

JOB No. 0311-0181-00

FILE: I:\PROJECTS\ENG\0311-0181-00-TANGERINE_PLAZA\DWG\0311018100R.DWG

DATE: 02/25/05 14:47:46 LOGIN: PERRYMAN



CLIENT	PROJECT NAME	REVISIONS	George F. Young, Inc.	SHEET																								
URBAN DEVELOPMENT SOLUTIONS 6538 1ST AVE NORTH ST. PETERSBURG, FL. 33710	TANGERINE PLAZA IRRIGATION DETAILS	<table border="1"><thead><tr><th>No.</th><th>DESCRIPTION</th><th>DATE</th><th>BY</th></tr></thead><tbody><tr><td>1.</td><td>FOR CONSTRUCTION</td><td>02/28/05</td><td>WJR</td></tr><tr><td>2.</td><td>SHEET ADDED PER CITY COMMENTS FOR BID ADDENDUM #2</td><td>1/19/05</td><td>WJR</td></tr><tr><td>3.</td><td>ISSUED FOR BID</td><td>12/17/04</td><td>TAP</td></tr><tr><td>4.</td><td>CITY SUBMITTAL</td><td>12/08/04</td><td>WJR</td></tr><tr><td>5.</td><td>REVISED PLANS PER SWFMMO AND RE-ISSUED</td><td>08/26/04</td><td>TAP</td></tr></tbody></table>	No.	DESCRIPTION	DATE	BY	1.	FOR CONSTRUCTION	02/28/05	WJR	2.	SHEET ADDED PER CITY COMMENTS FOR BID ADDENDUM #2	1/19/05	WJR	3.	ISSUED FOR BID	12/17/04	TAP	4.	CITY SUBMITTAL	12/08/04	WJR	5.	REVISED PLANS PER SWFMMO AND RE-ISSUED	08/26/04	TAP	<p>ARCHITECTURE • ENGINEERING • ENVIRONMENTAL LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING ST. PETERSBURG • TAMPA • BRADENTON • GAINESVILLE SARASOTA • NORTH PALM BEACH</p> <p>RESPONSIBLE OFFICE: 299 Dr. Martin Luther King Jr. Street North St. Petersburg, FL 33701-0685 Tel.: (727) 822-4317 Fax: (727) 822-2919</p> <p>DESIGNED: NC DRAWN: TAP CHECKED:</p> <p>APPROVED DATE: 08/26/04 DATE: 08/26/04 SCALE:</p> <p>WILLIAM J. RICHMOND, ASLA Florida Landscape Architect #1556</p>	IR-3 IR-3 JOB No. 0311-0181-00
No.	DESCRIPTION	DATE	BY																									
1.	FOR CONSTRUCTION	02/28/05	WJR																									
2.	SHEET ADDED PER CITY COMMENTS FOR BID ADDENDUM #2	1/19/05	WJR																									
3.	ISSUED FOR BID	12/17/04	TAP																									
4.	CITY SUBMITTAL	12/08/04	WJR																									
5.	REVISED PLANS PER SWFMMO AND RE-ISSUED	08/26/04	TAP																									
SEC. 25 TWP. 31 S. R. 16 E.																												