TOWN OF MEDLEY

OFFICE OF CAPITAL PROJECTS & DEVELOPMENT SERVICES

DANNY MEEHAN RECREATION FIELD IMPROVEMENTS

100% DESIGN SUBMITTAL

ITB 2015-001
Revised Plans
Date: 04/14/15

MEDLEY, FLORIDA

NOVEMBER 19, 2014

MEDLEY CIP TASK NO.: PR-1301.01

BID SET

MEDLEY TOWN COUNCIL

MAYOR	ROBERTO MARTELL
VICE-MAYOR	GRISELIA DiGIACOMO
COUNCIL PERSON	EDGAR AYALA
COUNCIL PERSON	JACK MORROW
COUNCIL PERSON	SUSANA GUASCH

ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION, ROADWAY AND TRAFFIC DESIGN STANDARDS (DATED LATEST EDITION, UNLESS OTHERWISE NOTED). THE FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (DATED LATEST EDITION, UNLESS OTHERWISE NOTED) AND SUPPLEMENTS THERETO.

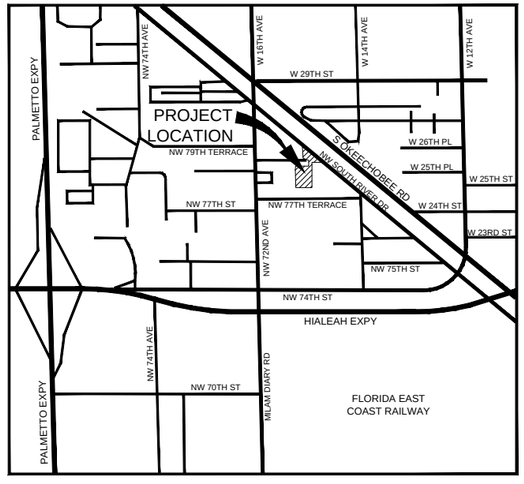
ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

"INVESTIGATE BEFORE YOU EXCAVATE"

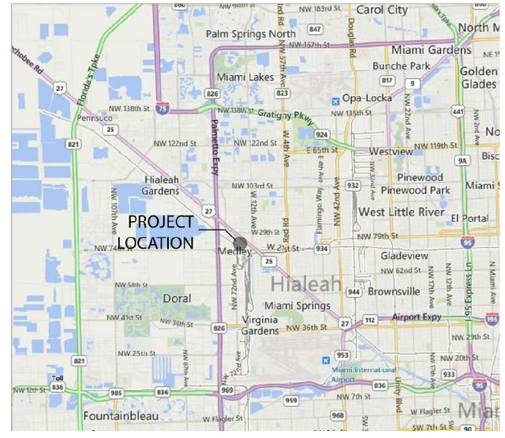
CALL SUNSHINE @ 1-800-432-4770
FL. STATUTE 553.851 (1979) REQUIRES A MIN. OF 2 DAYS AND MAX. OF 5 DAYS NOTICE BEFORE YOU EXCAVATE.

NOT APPROVED FOR CONSTRUCTION UNLESS STAMPED APPROVED FOR CONSTRUCTION

LOCATION MAP
N.T.S.



VICINITY MAP
N.T.S.



SECTION 11, TOWNSHIP 53 SOUTH, RANGE 40 EAST
MIAMI-DADE COUNTY, FLORIDA

TOWN OF MEDLEY
OFFICE OF CAPITAL PROJECTS & DEVELOPMENT SERVICES
7777 NW 72ND AVENUE
MEDLEY, FLORIDA 33166

ARCHITECTS
CIVIL ENGINEERS
LANDSCAPE ARCHITECTS

ATKINS

CORPORATE OFFICE:
4030 W. BOY SCOUT BOULEVARD
TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24

LOCAL OFFICE:
201 NW 107TH AVENUE
MIAMI, FL 33172
TEL. 305.592.7275
FAX. 305.599.3809
www.atkinsglobal.com

ELECTRICAL ENGINEER

Spectrum consulting engineers, inc.
5327 Loon Nest Court
Apollo Beach, FL 33572
ph: 813.645.8288
Reg. No. EB29566

PERMIT DATA

TYPE	APPLICATION DATE	STATUS	APPROVAL DATE	PERMIT NUMBER

Drawing Name: \\Suzana1101\d$\Projects\Medley\Danny Meehan\CADD\COVER.DWG Nov 19, 2014 - 11:43am

SHEET #	SHEET NAME	60% SUBMITTAL	100% SUBMITTAL	100% RE-SUBMITTAL	ISSUE FOR BID
COVER	COVER	●	●	●	
ID001	SHEET INDEX	●	●	●	
C001	GENERAL NOTES, PAY ITEMS AND LEGEND	●	●	●	
C100	EXISTING CONDITIONS & DEMOLITION PLAN	●	●	●	
C200	SITE PLAN	●	●	●	
C300	PAVING, GRADING & DRAINAGE PLAN	●	●	●	
C400	UTILITY PLAN	●	●	●	
C500	SECTIONS		●	●	
C600	CONSTRUCTION DETAILS	●	●	●	
C601	CONSTRUCTION DETAILS	●	●	●	
C602	UTILITY DETAILS	●	●	●	
C603	UTILITY DETAILS	●	●	●	
C700	SWPPP CONTRACTORS REQUIREMENTS	●	●	●	
C701	STORMWATER POLLUTION PREVENTION PLAN	●	●	●	
C702	SWPPP DETAILS	●	●	●	
L001	GENERAL LANDSCAPE INFORMATION	●	●	●	
L101	HARDSCAPE PLAN	●	●	●	
L151	HARDSCAPE DETAILS	●	●	●	
L152	HARDSCAPE DETAILS	●	●	●	
L153	HARDSCAPE DETAILS	●	●	●	
L154	HARDSCAPE DETAILS		●	●	
L155	HARDSCAPE DETAILS			●	
L201	LANDSCAPE PLAN	●	●	●	
L251	LANDSCAPE DETAILS	●	●	●	
IR101	IRRIGATION PLAN	●	●	●	
IR151	IRRIGATION DETAILS	●	●	●	
E100	ELECTRICAL LEGEND, SCHEDULES & DETAILS	●	●	●	
E200	ELECTRICAL SITE PLAN	●	●	●	
E300	ELECTRICAL SINGLE-LINE DIAGRAM, & PANEL SCHEDULES	●	●	●	
PS100	PHOTOMETRIC LEGEND, SCHEDULES & DETAILS	●	●	●	
PS200	PHOTOMETRIC SITE PLAN - SPORTS FIELDS	●	●	●	
PS300	PHOTOMETRIC SITE PLAN - PEDESTRIAN & PARKING LOT (POLE MOUNTED OPTION)	●	●	●	

BID SET

THE TOWN OF MEDLEY FLORIDA INCORPORATED 1949

REV | DATE | DESCRIPTION

ORIGINAL ISSUED DATE :

THOMAS L. JOHNSON, RLA
FLORIDA REG. NO. 6666742

DATE: October 17, 2014

NOTICE:
This document and the electronic files prepared by Atkins, Inc. ("Atkins") are instruments of service and shall remain the property of Atkins. Any reuse, modification, reproduction or dissemination of this document without the written permission of Atkins is strictly prohibited. Any unauthorized reuse, modification, reproduction or dissemination of this document shall be at the user's sole risk and without liability to Atkins. Changes or alterations to this document not made by Atkins, or changes to the format of this document made by Atkins after initial delivery to the client, may have occurred without Atkins' knowledge or consent. If you have received this document in error, please notify Atkins immediately. Any changes, alterations, or modifications to this document should be made only by Atkins. Hard copies should be made on a documentation represented by Atkins. Hard copies should not be relied upon unless it is first compared to the original. Atkins makes no warranties, expressed or implied, concerning the accuracy of the information contained in this document, whether it is reviewed by computer or other electronic means.

CLIENT
TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT
DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE
SHEET INDEX

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	JLK
DESIGN:	TLJ
CHECKED:	HLB
APPROVED:	TLJ
SHEET NO.	ID001
REV.	△

User Name: kees1810
Drawing Name: \\Susora1101\dept\Projects\Medley\Danny Meehan\CADD\ID001.dwg
Nov 19, 2014 - 11:42am

1.0 GENERAL NOTES

1.1. THE ARRANGEMENT OF DRAWINGS AND/OR THE ORGANIZATION OF THE SPECIFICATIONS INTO DIVISIONS, SECTIONS AND ARTICLES ARE FOR CLARITY ONLY AND SHALL NOT CONTROL THE CONTRACTOR IN DIVIDING THE WORK AMONG SUBCONTRACTORS OR IN ESTABLISHING THE EXTENT OF WORK TO BE PERFORMED BY ANY TRADE. THE CONTRACTOR MAY SUBCONTRACT THE WORK IN SUCH DIVISIONS AS HE SEES FIT AND HE IS ULTIMATELY RESPONSIBLE FOR FURNISHING ALL WORK SHOWN ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS.

1.2. IN THE EVENT OF INCONSISTENCIES BETWEEN PARTS OF THE CONTRACT DOCUMENTS OR BETWEEN THE CONTRACT DOCUMENTS AND APPLICABLE STANDARDS, CODES AND ORDINANCES, THE CONTRACTOR SHALL: (1) PROVIDE THE BETTER QUALITY AND/OR GREATER QUANTITY OF WORK; OR (2) COMPLY WITH THE MORE STRINGENT REQUIREMENT: EITHER OR BOTH IN ACCORDANCE WITH THE ENGINEER'S INTERPRETATION. TECHNICAL SPECIFICATIONS TAKE PRIORITY OVER GENERAL SPECIFICATIONS AND DETAIL DRAWINGS TAKE PRECEDENCE OVER GENERAL DRAWINGS. ANY WORK SHOWN ON ONE DRAWING SHALL BE CONSTRUED TO BE SHOWN IN ALL DRAWINGS AND THE CONTRACTOR WILL COORDINATE THE WORK AND THE DRAWINGS. IF ANY PORTION OF THE CONTRACT DOCUMENT SHALL BE IN CONFLICT WITH ANY OTHER PORTION, THE VARIOUS DOCUMENTS COMPRISING THE CONTRACT DOCUMENTS SHALL GOVERN IN THE FOLLOWING ORDER OF PRECEDENCE: THE OWNER CONTRACTOR AGREEMENT; MODIFICATIONS; ADDENDA; AND SUPPLEMENTARY CONDITIONS; THE GENERAL CONDITIONS; THE SPECIFICATIONS; THE DRAWINGS; AS BETWEEN SCHEDULES AND INFORMATION GIVEN ON DRAWINGS, THE SCHEDULES SHALL GOVERN; AS BETWEEN FIGURES GIVEN ON DRAWINGS AND THE SCALED MEASUREMENTS, THE FIGURES SHALL GOVERN; AS BETWEEN LARGE-SCALE DRAWINGS AND SMALL SCALE DRAWINGS, THE LARGER SCALE SHALL GOVERN. ANY SUCH CONFLICT OR INCONSISTENCY BETWEEN OR IN THE DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER WHOSE DECISION THEREON SHALL BE FINAL AND CONCLUSIVE.

1.3. ALL CONSTRUCTION SHALL COMPLY WITH REGULATIONS AND PERMIT CONDITIONS FROM CITY OF NORTH MIAMI, SFWMD, FDEP AND RER. THE CONTRACTOR SHALL KEEP A COPY ON-SITE OF ALL PROJECT PERMITS AND APPROVED DRAWINGS. ALL APPLICABLE PERMITS SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF CONSTRUCTION.

1.4. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) AND CITY OF NORTH MIAMI PUBLIC WORKS SPECIFICATIONS AND REQUIREMENTS. THE FLORIDA DEPARTMENT TRANSPORTATION SPECIFICATIONS WILL GOVERN IN THE EVENT OF A CONFLICT UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER OR THE OWNER.

1.5. FREQUENT REFERENCES IN THESE NOTES AND DRAWINGS ARE MADE TO THE FLORIDA DEPARTMENT OF TRANSPORTATION *STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION*, FLORIDA DEPARTMENT OF TRANSPORTATION *DESIGN STANDARDS,* THE CURRENT EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION*, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES*, AND OTHER LOCAL DOCUMENTATION. THE CONTRACTOR SHALL OBTAIN, AT HIS EXPENSE, SUFFICIENT COPIES OF THESE PUBLICATIONS, AS NECESSARY, FOR SATISFACTORY EXECUTION OF THE WORK. AS UTILIZED IN THESE SPECIFICATIONS, THE FOLLOWING DEFINITIONS APPLY:
PROJECT ENGINEER: A DESIGNATED REPRESENTATIVE OF THE OWNER. THE PROJECT ENGINEER SHALL BE THE ULTIMATE AUTHORITY REGARDING DECISIONS RELATING TO THE PLANS AND SPECIFICATIONS.

1.6. ALL CONSTRUCTION SHALL COMPLY WITH THE AMERICAN DISABILITIES ACT OF 1990 (ADA) AND ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAAG), LATEST EDITION.

1.7. SURVEY INFORMATION HAS BEEN PROVIDED BY HADONNE CORP, PROJECT 09041, DATED APRIL 2,2014. LOCATION OF EXISTING TOPOGRAPHIC CONTOURS SHOWN HEREON IS APPROXIMATE. ELEVATIONS SHOWN ARE BASED ON NGVD 1929. ANY ERRORS RESULTING FROM THE USE OF THE SURVEY INFORMATION SHALL NOT BE THE RESPONSIBILITY OF ATKINS.

1.8. ACCORDING TO F.I.R.M.(FLOOD INSURANCE RATE MAP PANELS 12086C0281 AND 1086C077 SUFFIX L DATED SEPTEMBER 11, 2009, THIS PROPERTY IS LOCATED IN FLOOD ZONES “X”, “AH” (BFE 7.0, AND “AE” (BFE 7.0).

1.9. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVE-GROUND STRUCTURES AND MARKINGS PROVIDED BY UTILITY COMPANIES AND AS-BUILT DRAWINGS PROVIDED TO THE SURVEYOR. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED.

1.10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATIONS AND CRITICAL ELEVATIONS OF UTILITIES AND COORDINATE WITH THE APPROPRIATE AUTHORITIES AND UTILITY OWNER PRIOR TO CONSTRUCTION. ANY UTILITY CONFLICTS OR DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND OWNER PRIOR TO CONSTRUCTION.

1.11. THE CONTRACTOR SHALL NOTIFY SUNSHINE ONE AT (800) 432-4770 TO REQUEST UTILTY LOCATES AND SHALL OBTAIN A LISTING OF ALL EXISTING UTILITY COMPANIES WITH FACILITIES IN THE AREA AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL FOLLOW UP WITH ALL LISTED UTILITY PROVIDERS TO CONFIRM THE LOCATION OF THEIR FACILITIES WITHIN THE PROJECT AREA.

1.12. ALL TRENCHES EXCEEDING 5 FEET IN DEPTH SHALL COMPLY WITH SECTIONS 553.63 AND 553.64 OF THE FLORIDA STATUTES. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING WHEN TRENCH EXCAVATION EXCEEDS 5 FEET IN DEPTH:
1. WRITTEN ASSURANCE OF COMPLIANCE WITH OSHA STANDARD 29 CFR SECTION 1926.650 SUBPART P.
2. A SEPARATE COST ITEM IDENTIFYING THE COST OF COMPLIANCE.
3. A TRENCH SAFETY SYSTEM SHALL BE DESIGNED BY THE CONTRACTOR.

1.13. THE CONTRACTOR SHALL FOLLOW ALL OSHA REQUIREMENTS FOR CRANE AND HOIST SAFETY, INCLUDING MAINTAINING MINIMUM VERTICAL AND HORIZONTAL CLEARANCES FROM POWER LINES.

1.14. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING HORIZONTAL AND VERTICAL CONTROL FOR SITE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL SURVEY MONUMENTATION. ANY DISTURBED SURVEY MONUMENTATION SHALL BE REPLACED BY A SURVEYOR LICENSED IN THE STATE OF FLORIDA.

1.15. ALL CONCRETE USED ON PROJECT SITE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.

1.16. THE CONTRACTOR IS RESPONSIBLE FOR ANY CONSTRUCTION PHASING PLANS AND INTERIM LOGISTICS, DRAINAGE, UTILITIES, ETC, AND APPROPRIATE MEANS AND METHODS AS MAY REQUIRED TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS.

1.17. A CONSUMPTIVE USE PERMIT SHALL BE OBTAINED AND MAINTAINED BY THE CONTRACTOR FOR ANY SITE DEWATERING. THE CONTRACTOR SHALL MAINTAIN APPLICABLE WATER QUALITY STANDARDS, AND SHALL BE RESPONSIBLE FOR ANY FINES LEVIED BY THE REGULATORY AGENCIES DUE TO USE OF IMPROPER TECHNIQUES DURING DEWATERING.

2.0 EROSION AND SEDIMENT CONTROL

2.1. THE CONTRACTOR SHALL FILE A NOTICE OF INTENT (NOI) TO USE THE GENERIC PERMIT FOR STORMWATER DISCHARGE FOR LARGE AND SMALL CONSTRUCTION ACTIVITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL FOLLOW THE STORMWATER POLLUTION PREVENTION PLAN REQUIREMENTS PROVIDED IN THE CONSTRUCTION DOCUMENTS.

2.2. PRE-CONSTRUCTION CONFERENCE: AT THE PRE-CONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL PRESENT, IN WRITTEN FORM, HIS PLANS & SCHEDULES FOR PREVENTION, CONTROL, & ABATEMENT OF EROSION & WATER POLLUTION IN ACCORDANCE WITH FDOT SUBSECTION 104-5.

2.3. THE CONTRACTOR SHALL PROTECT ALL DISTURBED AREAS AND EXISTING AND PROPOSED STORM WATER AND STORM SEWER SYSTEMS FROM EROSION AND SEDIMENTATION DURING CONSTRUCTION. DAMAGE TO ANY EROSION OR SEDIMENTATION CONTROL MEASURE, OR EROSION OR DAMAGE DUE TO EROSION OR SEDIMENTATION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION. ALL NEW AND EXISTING STORM WATER RETENTION AREAS AND STORM SEWER INLETS AND PIPES SHALL BE CLEAN AND FREE FROM SILT PRIOR TO FINAL ACCEPTANCE.

2.4. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED, SOILS ARE STABILIZED, AND VEGETATION HAS BEEN ESTABLISHED.

3.0 DEMOLITION, CLEARING AND GRUBBING

3.1 CLEARING AND GRUBBING SHALL INCLUDE REMOVAL AND DISPOSAL OF ALL TREES, STUMPS, ROOTS, AND OTHER SUCH PROTRUDING OBJECTS, EXISTING STRUCTURES, PIPES, PAVEMENT, SIDEWALKS, CURBS, WALLS, EXISTING BRIDGE STRUCTURE, RIP RAP, GUARDRAIL, ETC.

3.2 ALL MATERIALS REMOVED SHALL BECOME PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE PROJECT IN A MANNER THAT MEETS ALL FEDERAL, STATE, AND LOCAL REGULATIONS CONCERNING DUMPING OF WASTE OR CONSTRUCTION MATERIALS. ANY SALVAGE VALUE RECEIVED FROM THE REMOVED MATERIALS SHALL BE REFLECTED IN THE CONTRACTOR'S PROPOSAL. THE CONTRACTOR SHALL DISPOSE OF BROKEN CONCRETE AND ASPHALT PAVEMENT OUTSIDE THE PROJECT.

3.3 IN ALL AREAS SHOWN IN THE PLANS TO BE CLEARED AND GRUBBED, ROOTS AND OTHER DEBRIS SHALL BE REMOVED TO A DEPTH OF AT LEAST ONE FOOT BELOW THE GROUND SURFACE. THE SURFACE SHALL THEN BE PLOWED TO A DEPTH OF AT LEAST SIX INCHES AND ALL ROOTS THEREBY EXPOSED SHALL BE REMOVED TO A DEPTH OF AT LEAST ONE FOOT. ALL STUMPS WITHIN THE AREA TO BE CLEARED AND GRUBBED SHALL BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR. WHERE EXCAVATION IS DONE, ALL ROOTS, ETC., PROTRUDING THROUGH OR APPEARING ON THE SURFACE OF THE COMPLETED EXCAVATION SHALL BE REMOVED TO A DEPTH OF AT LEAST ONE FOOT BELOW THE EXCAVATION SURFACE.

3.4 ALL AREAS OUTSIDE OF THE LIMITS OF CONSTRUCTION THAT ARE DISTURBED BY THE CONTRACTOR SHALL BE RESTORD TO THEIR ORIGINAL CONDITION (INCLUDING ROADWAYS, SWALES, DRIVEWAYS, AND VEGETATION) AT NO INCREASE IN COST TO THE OWNER. SEED AND MULCH ALL DISTURBED AREAS WHICH DO NOT HAVE EXISTING LANDSCAPING. EXCESS DIRT SHALL BE HAULED FROM THE SITE. RESTORATION OF ROADWAYS SHALL BE AS REQUIRED BY THE JURISDICTIONAL AUTHORITY.

3.5. EXISTING FACILITIES, INCLUDING UTILITIES, PAVEMENT, SIDEWALKS, CURBS AND IMPROVEMENTS SHOWN TO REMAIN SHALL BE PROTECTED OR REPLACED IF DAMAGED DURING CONSTRUCTION AT NO INCREASE IN COST TO OWNER.

3.6. SAWCUTS SHALL BE USED FOR ALL PAVEMENT AND CURB REMOVALS WHERE EXISTING IMPROVEMENTS WILL REMAIN.

3.7. ALL EXISTING NUISANCE SPECIES (BRAZILIAN PEPPER, ETC.) SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED WASTE LOCATION.

3.8. REMOVAL OF EXISTING STRIPING SHALL BE ACCOMPLISHED BY GRINDING, UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER OR OWNER. THIS ITEM IS CONSIDERED INCIDENTAL TO THE PROJECT AND SEPARATE PAYMENT SHALL NOT BE MADE.

4.0 EXCAVATION AND EMBANKMENT

4.1. THE CONTRACTOR SHALL REFER TO THE PROJECT GEOTECHNICAL REPORT BY PSI, INC, PROJECT NO. 0397-74711-23-5211, DATED 6/20/2014 FOR STRIPPING AND GRUBBING, PROOF ROLLING, FILL AND COMPACTION OF FILL REQUIREMENTS.

4.2. ALL EXCAVATION, EMBANKMENT AND GRADING WORK SHALL CONFORM TO THE REQUIREMENTS OF SECTION 120 OF THE STANDARD SPECIFICATIONS. THE LUMP SUM PRICE FOR EXCAVATION AND EMBANKMENT SHALL INCLUDE ALL REGULAR EXCAVATION, SUBSOIL EXCAVATION, ROADWAY EMBANKMENTS IN DITCH EMBANKMENTS, ALL NECESSARY EXCAVATION OF EXISTING DITCH BANKS AS NECESSARY, AND HAULING OF MATERIALS FOR COMPLETION OF THE PROJECT.

4.3. THE BIDDER, BY AND THROUGH THE SUBMISSION OF HIS BID, AGREED THAT HE SHALL BE HELD RESPONSIBLE FOR HAVING THERETOFORE EXAMINED THE SITE, THE LOCATION OF ALL PROPOSED WORK, AND FOR HAVING SATISFIED HIMSELF FROM HIS OWN PERSONAL KNOWLEDGE AND NATURE OF THE GROUND, SURFACE, SUBSURFACE, AND ANY OTHER CONDITIONS SURROUNDING AND AFFECTING THE WORK.

4.4. RETENTION AREA, SWALE AND DITCH CONSTRUCTION/REGRADING WORK TO BE INCLUDED IN THE COSTS FOR EXCAVATION AND EMBANKMENT. FINAL DRESSING TO PREPARE THE EARTHWORK TO ALLOW PLACEMENT OF TOPSOIL AND SOD, RESHAPING OF SLOPES TO MATCH ADJACENT CURBING OR PAVEMENT SHALL BE INCLUDED IN THE COSTS FOR EXCAVATION AND EMBANKMENT.

4.5. WHERE MUCK, ROCK, CLAY OR OTHER MATERIAL WITHIN THE LIMITS OF CONSTRUCTION IS UNSUITABLE IN ITS ORIGINAL CONDITION, THE CONTRACTOR SHALL EXCAVATE SUCH MATERIAL TO THE CROSS-SECTIONS SHOWN IN THE PLANS OR INDICATED BY THE ENGINEER AND SHALL BACK FILL WITH SUITABLE MATERIAL WHICH SHALL BE SHAPED TO CONFORM TO THE REQUIRED CROSS-SECTIONS. THE CONTRACTOR SHALL USE A GEOTECHNICAL FIELD TECHNICIAN TO FIELD VERIFY THE REMOVAL OF UNSUITABLE SOILS. COPIES OF REPORTS SHALL BE PROVIDED TO THE ENGINEER.

4.6. QUANTITIES PROVIDED IN THE SUMMARY OF PAY ITEMS ARE COMPACTED IN PLACE VOLUMES.

5.0 DRAINAGE AND GRADING

5.1. POSITIVE DRAINAGE FACILITIES SHALL BE ESTABLISHED PRIOR TO THE CONSTRUCTION OF ANY IMPERVIOUS SURFACES. EXISTING OFF-SITE DRAINAGE PATTERNS SHALL BE MAINTAINED DURING CONSTRUCTION.

5.2. STORM SEWER STRUCTURES SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS AND SPECIFICATIONS.

5.3. HDPE STORM SEWER CONSTRUCTION SHALL BE ADS N-12 PIPE OR APPROVED EQUAL. PIPE SHALL HAVE A SMOOTH INTERIOR AND CORRUGATED EXTERIOR AND SHALL MEET THE REQUIREMENTS OF AASHTO M294 AND FDOT SECTION 948-2.3.1 WITH A MANNING'S “N” VALUE OF 0.012.

JOINTS SHALL BE SOILTIGHT INTEGRAL BELL JOINT MEETING THE REQUIREMENTS OF AASHTO M294 AND FDOT SECTION 948-2.3.1

GASKETS SHALL BE MADE OF POLYISOPRENE MEETING THE REQUIREMENTS OF ASTM F477. GASKETS SHALL BE INSTALLED BY THE PIPE MANUFACTURER AND COVERED WITH A REMOVABLE, PROTECTIVE WRAP TO ENSURE THE GASKET IS FREE FROM DEBRIS. A JOINT LUBRICANT AVAILABLE FROM THE MANUFACTURER SHALL BE USED ON THE GASKET AND BELL DURING ASSEMBLY.

PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321 AND MANUFACTURERS REQUIREMENTS. MINIMUM COVER DURING CONSTRUCTION SHALL BE ONE FOOT.

5.4. PIPE FOR ROOF DRAINS AND STORM SEWER CONSTRUCTION SHALL BE PVC MEETING ASTM D3034, SDR 35 SPECIFICATIONS OR HDPE MEETING AASHTO M252 TYPES, OR AASHTO M294 TYPE S OR SP, DEPENDING ON THE SIZE OF PIPE AND AS SPECIFIED ON THE PLANS. HDPE PIPE SHALL HAVE A CORRUGATED EXTERIOR, SMOOTH INTERIOR, AND PUSH-ON JOINTS WHICH ARE SILT TIGHT. HDPE FITTINGS SHALL CONFORM TO AASHTO M294. FABRICATED FITTINGS SHALL BE WELDED ON THE INSIDE AND OUTSIDE AT ALL JUNCTIONS. GASKETS SHALL BE INSTALLED BY THE PIPE MANUFACTURER. INSTALLATION SHALL CONFORM TO ASTM D2321. ROOF DRAIN PIPE SLOPE SHALL BE 1% UNLESS NOTED OTHERWISE. PERFORATED PIPE SHALL HAVE A SOIL FILTER SOCK.

5.5. RIP RAP SHALL MEET THE REQUIREMENTS OF FDOT SPECIFICATION SECTION 530. GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF FDOT INDEX 199 & FDOT SPECIFICATION SECTION 514 & 985. TURF MAT SHALL MEET THE REQUIREMENTS OF FDOT INDEX 199 & FDOT SPECIFICATION SECTION 985.

5.6. ALL DRAINAGE PIPES AND STRUCTURES WITHIN PROJECT BOUNDARY SHALL BE CLEANED OF SAND, SILT, CONCRETE DEBRIS, ETC. AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO MAINTAIN POSITIVE DRAINAGE. THE COST OF CLEANING AND DESILTING SHALL BE INCLUDED IN THE COST FOR DRAINAGE CONSTRUCTION.

5.7. THE COST OF PAVEMENT RESTORATION, INCLUDING PAVEMENT MARKINGS, SHALL BE INCLUDED IN THE COST FOR DRAINAGE IMPROVEMENT CONSTRUCTION.

5.8. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SLOPES OF ALL SWALES, EMBANKMENTS AND RETENTION AREAS. EXCESS SEDIMENTATION AND EROSION SHALL BE REMOVED AND THE DESIGN GRADES RESTORED AT NO INCREASED COST TO OWNER. THE COST OF GRADE, SLOPE RESTORATION AND SEDIMENT REMOVAL SHALL BE INCLUDED IN THE COST FOR DRAINAGE IMPROVEMENT CONSTRUCTION.

5.9. ALL UNDERGROUND UTILITIES MUST BE INSTALLED BEFORE ROADWAY BASE AND SURFACE COURSES ARE CONSTRUCTED. ALL PIPE LENGTHS ARE APPROXIMATE AND ARE MEASURED FROM CENTER OF FITTINGS AND/OR STRUCTURES. MAINTAIN MINIMUM COVER OVER STORM DRAIN PIPE AS REQUIRED BY MANUFACTURER DURING AND AFTER CONSTRUCTION.

5.10. SOD AND LANDSCAPING SHALL NOT IMPEDE THE FLOW OF RUNOFF FROM PAVED SURFACES.

5.11. SOD ALL SIDE SLOPES, SEED AND MULCH THE BOTTOM OF DRY RETENTION AREAS NOT OTHERWISE LANDSCAPED.

5.12. THE CONTRACTOR SHALL ADJUST VALVE BOX COVERS, MANHOLE RIMS AND COVERS, GRADES, ETC., NECESSARY TO MATCH FINAL GRADES AS SHOWN ON PLANS. ALL EXISTING AND PROPOSED UTILITY AND STORM WATER STRUCTURES WHOSE TOPS WILL BE EXPOSED WITHIN UNPAVED AREAS SUBJECT TO VEHICULAR, BICYCLE, OR PEDESTRIAN TRAFFIC SHALL BE ADJUSTED SO THAT THE TOP SURFACE OF COVERS OR FRAMES SHALL BE NO MORE THAN ONE INCH ABOVE FINISHED GRADE, UNLESS OTHERWISE SPECIFIED ON THESE PLANS. WHERE SOD IS APPLIED, FINISHED GRADE SHALL BE NOMINAL HEIGHT OF GRASS AFTER SOD IS FIRMLY PLACED.

5.13. ALL SPOT ELEVATIONS WITHIN PAVED AREAS ARE AT THE EDGE OF PAVEMENT.

5.14. THE CONTRACTOR SHALL USE LASER GRADING TO GRADE THE SOCCER FIELD TO 0.10 FT. ELEVATION TOLERANCE PRIOR TO PLACING SOD. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY OF THE LASER GRADED SURFACE FOR REVIEW AND APPROVAL BY THE TOWN PRIOR TO PLACING SOD. THE AS-BUILT SURVEY SHALL BE ON A 20 FT. GRID EXTENDING TO THE SURROUNDING HARDSCAPE SURFACE. ANY RE-GRADING OR RE-SODDING REQUIRED TO CORRECT GRADING DEFICIENCIES SHALL BE AT NO ADDITIONAL COST TO THE OWNER. THE COST FOR LASER GRADING SHALL BE INCLUDED IN THE COST FOR EARTHWORK.

5.15. GRADES SHOWN ARE FINISH GRADES. THE CONTRACTOR SHALL ADJUST GRADING AS NECESSARY TO ACCOMMODATE THE SOD THICKNESS TO MEET THE DESIGN ELEVATION SHOWN ON THE PLANS.

6.0 PAVING

6.1. STABILIZATION OF PAVED AND UNPAVED AREAS SHALL BE IN ACCORDANCE WITH FDOT SECTION 160 AND AS NOTED ON THE PLANS.

6.2. CONSTRUCTION OF PAVEMENT BASE SHALL BE IN ACCORDANCE WITH FDOT SECTION 200 AND AS NOTED ON THE PLANS.

6.3. PRIME AND TACK COATS SHALL BE IN ACCORDANCE WITH FDOT SECTION 300.

6.4. MILLING OF EXISTING ASPHALT SHALL BE IN ACCORDANCE WITH FDOT SECTION 327.

6.5. ASPHALT PAVEMENT SHALL BE IN ACCORDANCE WITH FDOT SECTIONS 330, 334, 336, 337 AND 339.

6.6. PRIOR TO PAVING OPERATIONS, THE CONTRACTOR SHALL VERIFY THE BASE GRADE ELEVATIONS ARE IN CONFORMANCE WITH THE CONSTRUCTION PLANS AND DESIGN CROSS SLOPES SUCH THAT THE PAVEMENT GRADES WILL PROVIDE POSITIVE DRAINAGE AND NOT EXCEED MAXIMUM ALLOWABLE SLOPES. ANY GRADES OR SLOPES OUT OF TOLERANCE SHALL BE CORRECTED PRIOR TO PAVING OPERATIONS AT NO INCREASE IN COST TO OWNER.

7.0 SIDEWALKS

7.1. ALL SIDEWALK DISTANCES ARE TO BE MEASURED FROM THE BACK OF CURB.

7.2. WHERE SIDEWALKS TERMINATE AT PAVED AREAS, GRADES EXCEEDING 20:1 SHALL BE RAMPED AT A MAXIMUM SLOPE OF 12H:1V TO BE FLUSH WITH DRIVE. ALL CURB RAMPS SHALL CONFORM TO ADA REQUIREMENTS, MIAMI DADE COUNTY AND FDOT REQUIREMENTS.

7.3. TRUNCATED DOMES SHALL BE CAST IN PLACE BRICK RED; MFR BY ARMOR TILE OR APPROVED EQUAL; INSTALLED PER MFR INSTRUCTIONS AND IN ACCORDANCE WITH FDOT DESIGN STANDARDS.

7.4. SIDEWALKS SHALL BE CONSTRUCTED IN CONFORMANCE WITH INDEX NO. 310 OF THE FDOT ROADWAY & TRAFFIC DESIGN STANDARDS. SIDEWALKS SHALL ALSO COMPLY WITH ADA STANDARDS.

7.5. COORDINATE FINISH AND PATTERNS WITH LANDSCAPE AND HARDSCAPE DRAWINGS. OTHERWISE PROVIDE LIGHT BROOM FINISH.

8.0 FIRE PROTECTION

8.1. WATER FOR FIRE FIGHTING PURPOSES SHALL BE AVAILABLE AT THE TIME COMBUSTIBLES ARE BROUGHT ON SITE.

8.2. ACCESS TO THE PROJECT SITE SHALL BE PROVIDED BY A MINIMUM 20-FOOT WIDE UNOBSTRUCTED ALL-WEATHER DRIVING SURFACE, CAPABLE OF SUPPORTING THE LOADS IMPOSED BY RESPONDING EMERGENCY APPARATUS. SUCH ACCESS SHALL BE MAINTAINED AT ALL TIMES.

8.3. NEW HYDRANTS SHALL BE POSITIONED IN ACCORDANCE WITH TOWN OF MEDLEY REQUIREMENTS.

9.0 TESTING AND AS-BUILTS

9.1. THE CONTRACTOR SHALL USE A CERTIFIED CONSTRUCTION MATERIALS TESTING LABORATORY TO PROVIDE MATERIALS AND DENSITY TESTING IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. TESTING REPORTS SHALL BE COPIED TO THE ENGINEER'S OFFICE.

9.2. PRIOR TO PAVING OPERATIONS, THE CONTRACTOR SHALL VERIFY THE BASE GRADE ELEVATIONS ARE IN CONFORMANCE WITH THE CONSTRUCTION PLANS AND DESIGN CROSS SLOPES SUCH THAT THE PAVEMENT GRADES WILL PROVIDE POSITIVE DRAINAGE AND NOT EXCEED MAXIMUM ALLOWABLE SLOPES. ANY GRADES OR SLOPES OUT OF TOLERANCE SHALL BE CORRECTED PRIOR TO PAVING OPERATIONS AT NO INCREASE IN COST TO OWNER.

9.3. BEFORE REQUESTING FINAL INSPECTION BY THE ENGINEER AND BEFORE PLACING SOD, THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A COMPLETE AS-BUILT SURVEY FROM A REGISTERED SURVEYOR, AS FOLLOWS:
a. AS-BUILT LOCATION AND FINISH GRADE ELEVATION OF CONSTRUCTED IMPROVEMENTS.
b. AS-BUILT LOCATION AND ELEVATION OF PAVEMENT AT ELEVATION POINTS SHOWN ON PLANS, AND WHERE EXISTING PAVEMENT IS REPLACED OR OVERLAYED; AT SUFFICIENT POINT TO DETERMINE GRADE AND DRAINAGE PATTERNS,
c. AS-BUILT LOCATION AND ELEVATION OF WALKS, AND OTHER CONSTRUCTED IMPROVEMENTS SUCH AS DUMPSTER ENCLOSURES, MECHANICAL PADS, FENCING, ETC,
d. AS-BUILT PERIMETER, SLOPE BREAK AND BOTTOM ELEVATIONS OF ALL SWALES AND RETENTION AREAS,
e. AS-BUILT LOCATION, RIM/FLOW AND INVERT ELEVATIONS, TYPE, SIZE AND SLOPE OF ALL DRAINAGE STRUCTURES AND PIPES, INCLUDING WEIRS, ORIFICES AND OTHER APPURTENANCES.
f. NOTE: THE ORIGINAL DESIGN GRADE SHALL BE SHOWN ON THE AS-BUILT SURVEY WITH A STRIKE THROUGH MARK AND THE AS-BUILT ELEVATION SHALL BE SHOWN IMMEDIATELY ABOVE. THIS APPLIES TO ALL DRAFT SURVEYS SUBMITTED FOR REVIEW AND FINAL SURVEYS.

10.0 SIGNAGE AND PAVEMENT MARKING

10.1. ALL TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND FEDERAL HIGHWAY ADMINISTRATION, AND FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS AND TOWN OF MEDLEY PUBLIC WORKS.

10.2. STOP SIGNS AND OTHER REGULATORY SIGNS SHALL BE IN ACCORDANCE WITH FDOT INDEX #17302 AND 17346 AND STANDARD SPECIFICATIONS SECTION 700. STOP SIGNS SHALL BE 30"X30", HIGH INTENSITY REFLECTORIZED, FDOT TYPE R1-1.

10.3. STOP BARS SHALL BE 24" WIDE, WHITE, THERMOPLASTIC TRAFFIC PAINT.

10.4. ALL PAVEMENT MARKINGS NOT OTHERWISE SPECIFIED ON PLANS SHALL BE THERMOPLASTIC. THERMOPLASTIC TRAFFIC STRIPING AND MARKINGS SHALL BE IN ACCORDANCE WITH SECTION 711 OF THE FDOT SPECIFICATIONS. PROVIDE TEMPORARY PAINTED PAVEMENT MARKINGS DURING 30 DAY PAVEMENT CURE TIME PRIOR TO INSTALLING THERMOPLASTIC PAVEMENT MARKINGS.

10.5. RAISED RETRO-REFLECTIVE PAVEMENT MARKINGS AND BITUMINOUS ADHESIVE SHALL BE IN ACCORDANCE WITH FDOT SECTION 706.

11.0 SOD

11.1. SODDING, WATER, MOWING AND FERTILIZER SHALL BE IN ACCORDANCE WITH FDOT SECTIONS 981, 982 AND 983. SOD FOR THE PROJECT SHALL BE BAHIA, EXCEPT THAT NEW SOD SHALL MATCH THE EXISTING TYPE ADJACENT TO THE PROPOSED CONSTRUCTION.

11.2. SOD SHALL BE PINNED ON SLOPES STEEPER THAN 3:1 AND WHERE INDICATED ON PLANS. ALL COSTS OF SOD WILL BE AS SHOWN ON THE BID FORM.

11.3. THE CONTRACTOR IS RESPONSIBLE FOR CARE, WATERING, FERTILIZING OF THE SOD, AND ALL OTHER RELATED WORK NECESSARY TO COMPLETE THE PROJECT (INCLUDED IN COST OF SOD QUANTITY ITEM).

11.4. ALL MAINTENANCE, MOWING, WATERING, REPAIR AND REPLACEMENT OF SOD IS INCLUDED PRIOR TO ACCEPTANCE BY OWNER.

11.5. SOD MUST BE ROOTED TO THE GROUND 95% WEED-FREE, AND GREEN, FOR FINAL ACCEPTANCE BY OWNER.

12.0 MOT

12.1. DURING ALL PHASES OF THE WORK, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE SAFETY MARKINGS & BARRICADES AS REQUIRED TO TO MAINTAIN COMPLETE JOB SITE SAFETY AND SECURITY DURING ALL PHASES OF THE WORK.

12.2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A MAINTENANCE OF TRAFFIC (MOT) PLAN IN COMPLIANCE WITH TOWN OF MEDLEY AND MIAMI-DADE COUNTY REQUIREMENTS AND FDOT INDEX 600, 601, 606, 613 AND 660. THE MOT PLAN SHALL BE ON 11 X 17 PAPER AND INCLUDE A NARRATIVE DESCRIPTION AND ANY PHASING. THE CONTRACTOR SHALL SUBMIT THE MOT PLAN A MINIMUM OF 2 WEEKS IN ADVANCE OF THE PROPOSED START DATE OF CONSTRUCTION TO THE TOWN AND COUNTY FOR APPROVAL PRIOR TO CONSTRUCTION.

12.3. TRAFFIC CONTROL TECHNIQUES, INCLUDING REROUTING OF TRAFFIC, SIGNING AND STRIPING, SHALL BE IN CONFORMANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES, MOST CURRENT EDITION.

12.4. ONLY TYPE VII FLUORESCENT ORANGE SHEETING, AS SPECIFIED IN THE FDOT SPECIFICATION 994-3 SHALL BE USED FOR SIGNS AND BARRICADES USED IN CONJUNCTION WITH MAINTENANCE OF TRAFFIC. THE REFLECTIVE SHEETING ON SIGNS AND BARRICADES SCRATCHED OR DAMAGED TO THE POINT THAT REFLECTIVITY IS IMPAIRED SHALL BE REPLACED.

12.5. ALL CONSTRUCTION WARNING SIGNS SHALL BE 48” X 48” OR LARGER ALONG THE PROJECT. ALL CONSTRUCTION SIGNS FOR SIGNALIZED INTERSECTIONS SHALL BE 48” X 48” OR LARGER ALONG CROSS ROADS. ALL CONSTRUCTION SIGNS FOR NON-SIGNALIZED INTERSECTIONS SHALL BE 36” X 36” OR LARGER ALONG CROSS ROADS AND SHALL BE SUPPLIED BY THE CONTRACTOR.

12.6. DRIVEWAYS TO PRIVATE RESIDENCES AND ALL PUBLIC STREET CONNECTIONS SHALL REMAIN OPEN EXCEPT FOR VERY SHORT PERIODS ASSOCIATED WITH A CRITICAL, MOMENTARY POINT OF CONSTRUCTION OPERATION.

12.7. THE LUMP SUM PRICE FOR MAINTENANCE OF TRAFFIC SHALL INCLUDE FULL COMPENSATION FOR BARRICADES, TEMPORARY BARRIERS, TEMPORARY GUARD RAILS, CONSTRUCTION SIGNS, FLASHING ARROW BOARDS, WARNING LIGHTS, TEMPORARY PAVEMENT MARKINGS, TEMPORARY SIGNALS, TRAFFIC DIRECTION, AND OTHER RELATED ITEMS THAT MAY BE REQUIRED TO CONFORM TO THE *MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES*.

12.8. CONFLICTING OR MISLEADING PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASTING. ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE ALTERED SHALL BE REPLACED UPON COMPLETION OF THE PROJECT. REMOVAL OF EXISTING PAVEMENT MARKING AND ADDING OF REMOVABLE OR TEMPORARY PAVEMENT MARKINGS OR REFLECTIVE TAPE SHALL BE COMPLETED USING FDOT INDEX 600 OR SUITABLE LANE CLOSURE INDEXES WHERE FEASIBLE.

ABBREVIATIONS

EG	EXISTING GRADE
EOP	EDGE OF PAVEMENT
LOC/MEG	LIMITS OF CONSTRUCTION/MATCH EXISTING GRADE
O.C.	ON CENTER
RPM	RAISED PAVEMENT MARKER
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
EX	EXISTING
INV	INVERT
APPROX	APPROXIMATE

EXISTING CONDITIONS LEGEND

FOUND IRON ROD
BENCHMARK
CLP CONCRETE POWER POLE
LP LIGHT POLE
WOOD POWER POLE
GUY ANCHOR
E PULL BOXES
WELL
FIRE HYDRANT
TRAFFIC SIGN
x0.00 EXISTING ELEVATIONS

PROPOSED CONDITIONS LEGEND

YARD DRAIN
TYPE 'C' INLET
BACKFLOW PREVENTOR
WATER METER
CLEANOUT
VALVE
TRUNCATED DOMES
DRAINAGE PIPE
LIMITS OF CONSTRUCTION /
LIMITS OF CLEARING AND GRUBBING
SF SF SILT FENCING
PAVEMENT REMOVAL
LIMITS OF NEW PAVEMENT
LIMITS OF PROPOSED CONCRETE SIDEWALK (PER FDOT INDEX 310)
LIMITS OF PROPOSED CONCRETE PAVING
LIMITS OF PROPOSED BRICK PAVERS
0.00 0.00 PROPOSED ELEVATIONS
0.00 PROPOSED CONTOURS

SHEET INDEX

SHEET #	SHEET TITLE	
C-001	GENERAL NOTES AND LEGEND	*
C-100	EXISTING CONDITIONS AND DEMO PLAN	*
C-200	SITE PLAN	*
C-300	PAVING, GRADING AND DRAINAGE PLAN	*
C-400	UTILITY PLAN	*
C-500	SECTIONS	*
C-600	CONSTRUCTION DETAILS	*
C-601	CONSTRUCTION DETAILS	*
C-602	UTILITY DETAILS	*
C-603	UTILITY DETAILS	*
C-700	SWPPP CONTRACTORS REQUIREMENTS	*
C-701	STORMWATER POLLUTION PREVENTION PLAN	*
C-702	SWPPP DETAILS	*

TOWN OF MEDLEY PROJECT NO: PR-1301

THE TOWN OF MEDLEY
INCORPORATED 1949
FLORIDA

REV.	BY	DATE	DESCRIPTION
8			
7			
6			
5			
4			
3			
2			
1			

ORIGINAL ISSUED DATE :

JOHN H. WILT, PE
FLORIDA REG. NO. 53233
DATE:

NOTICE:
The information in this document was prepared by ATKINS, INC. While ATKINS has taken all reasonable steps to assure the accuracy of the information contained in this document, it cannot guarantee that changes or alterations to this document will not be made by persons other than ATKINS personnel after the document leaves the possession of ATKINS. Changes or alterations may be safety related and result in damage to property, personal injury or death. If verification of the information contained in this document is needed, contact should be made directly with ATKINS.
This document must be compared to the original hard copy, with certified raised seal, if applicable, in order to insure the accuracy of the information contained therein and to further insure that no changes, alterations or modifications have been made to the document. No reliance should ever be made on a documentation transmitted or reviewed by computer or other electronic means unless it is first compared to the original. ATKINS makes no warranties, express or implied, concerning the accuracy of the information contained in any document transmitted or reviewed by computer or other electronic means.

CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

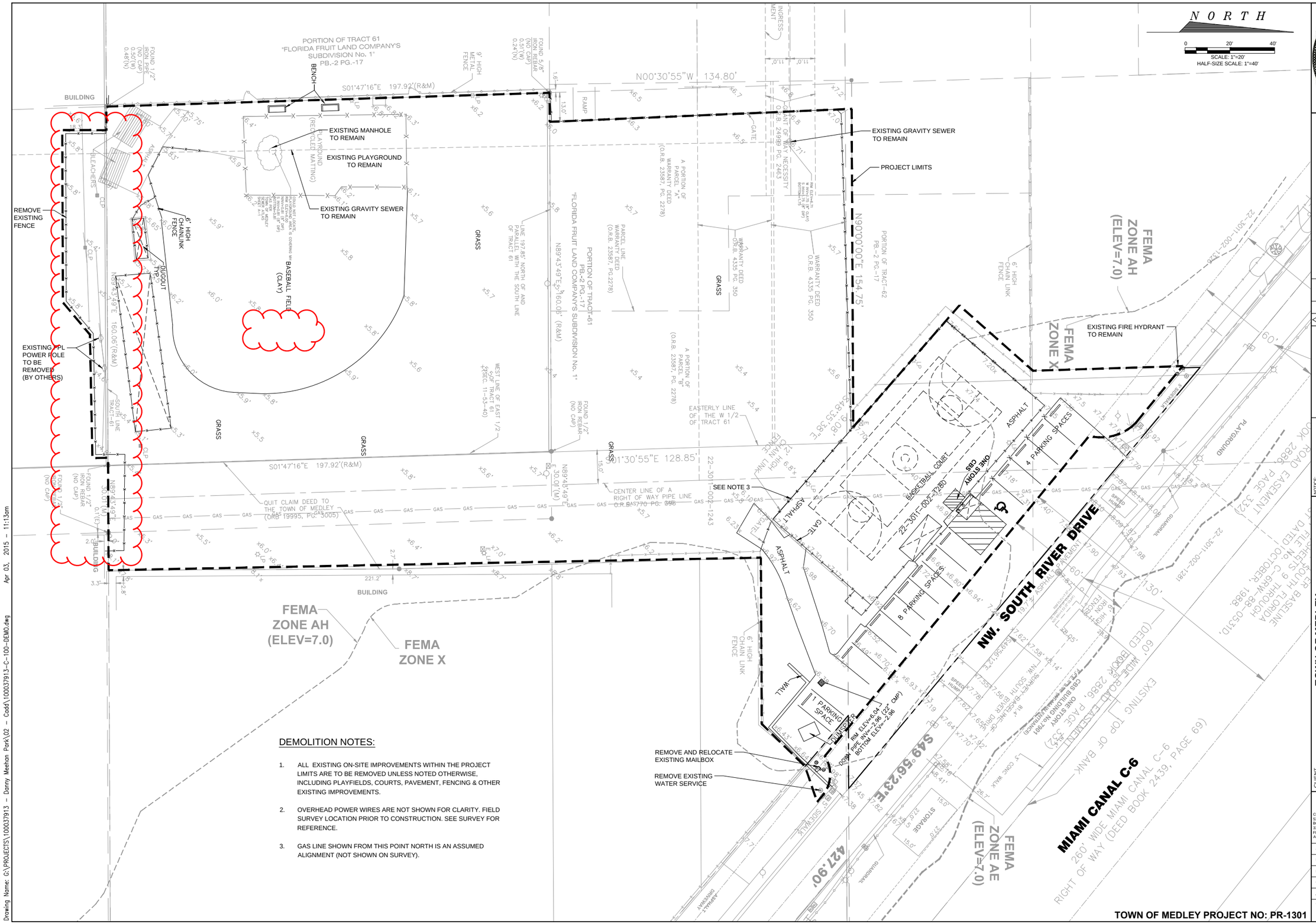
PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: GENERAL NOTES AND LEGEND

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	DRD
DESIGN:	JHW
CHECKED:	JHW
APPROVED:	JHW
SHEET NO.	C-001
REV.	

User Name: kosm6282
Drawing Name: G:\PROJECTS\100037913 - Danny Meehan Park\02 - Cadd\100037913-C-001-NOTES.dwg Apr 03, 2015 - 11:12am



DEMOLITION NOTES:

1. ALL EXISTING ON-SITE IMPROVEMENTS WITHIN THE PROJECT LIMITS ARE TO BE REMOVED UNLESS NOTED OTHERWISE, INCLUDING PLAYFIELDS, COURTS, PAVEMENT, FENCING & OTHER EXISTING IMPROVEMENTS.
2. OVERHEAD POWER WIRES ARE NOT SHOWN FOR CLARITY. FIELD SURVEY LOCATION PRIOR TO CONSTRUCTION. SEE SURVEY FOR REFERENCE.
3. GAS LINE SHOWN FROM THIS POINT NORTH IS AN ASSUMED ALIGNMENT (NOT SHOWN ON SURVEY).

TOWN OF MEDLEY PROJECT NO: PR-1301

THE TOWN OF MEDLEY INCORPORATED 1949 FLORIDA

REV.	DATE	DESCRIPTION
A		ORIGINAL ISSUED DATE :

DATE:

NOTICE:
The attached electronic file document was prepared by ATKINS, INC. While ATKINS has taken all reasonable precautions to ensure that any proprietary information contained in the document, it cannot accept any responsibility for any changes made to the document without the express written consent of ATKINS. Changes or alterations to the document may affect its integrity and could result in misinterpretation of information contained therein. ATKINS accepts no responsibility for any damage to property, personal injury or death. In particular, ATKINS accepts no responsibility for any changes, alterations or modifications to the document which have been made by any party not employed by ATKINS. In order to maintain the accuracy of the information contained in the document, any changes, alterations or modifications made to the document must be approved in writing by ATKINS. This document must be compared to the original signed and sealed hard copy before any use is made. In the event of any discrepancy between the electronic and hard copy versions, the hard copy shall govern. ATKINS accepts no responsibility for any use or reliance upon the document by a third party and any such third party relies upon the document entirely at its own risk. By using the document, the recipient agrees to indemnify ATKINS for all loss or damage resulting therefrom. The document is the property of ATKINS and the information contained therein is confidential. The document may not be disclosed or reproduced in whole or in part without the express written authority of ATKINS. Unauthorized use of the document in breach of the terms hereof or misuse of the information contained therein may expose the user to criminal and civil liability. The document is provided by ATKINS using reasonable skill and care. No other warranty is given. The document is for information purposes only and may not be suitable for use after the agreed purpose for which it was produced. Any person using the document for purposes other than the agreed purpose does so at their own risk. Unless otherwise agreed in writing by ATKINS no third party may rely upon or use the document and ATKINS accepts no duty of care to any third party. ATKINS retains the right to be identified as the author of the document.

CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

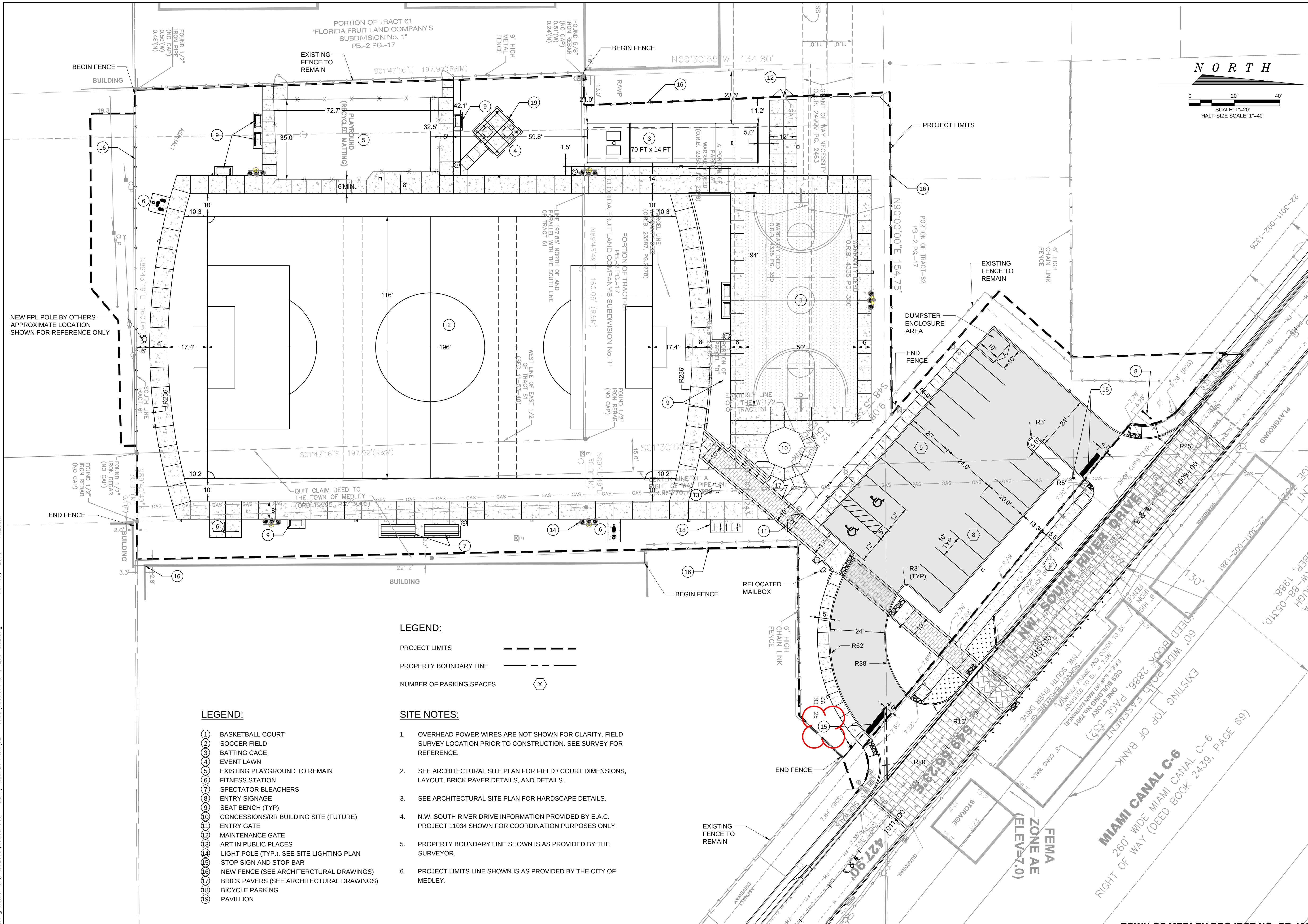
PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: EXISTING CONDITIONS & DEMO PLAN

ATKINS
CORPORATE OFFICE: 5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE: 482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275 FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.: 100037913
DRAWN:
DESIGN:
CHECKED:
APPROVED:
SHEET NO.: C-100
REV.

User Name: kosm6282
Drawing Name: G:\PROJECTS\100037913 - Danny Meehan Park\02 - Cadd\100037913-C-100-DEMO.dwg
Apr 03, 2015 - 11:13am



LEGEND:

PROJECT LIMITS	— — — —
PROPERTY BOUNDARY LINE	——— – – ———
NUMBER OF PARKING SPACES	⬡X

LEGEND:

1. BASKETBALL COURT
2. SOCCER FIELD
3. BATTING CAGE
4. EVENT LAWN
5. EXISTING PLAYGROUND TO REMAIN
6. FITNESS STATION
7. SPECTATOR BLEACHERS
8. ENTRY SIGNAGE
9. SEAT BENCH (TYP)
10. CONCESSIONS/RR BUILDING SITE (FUTURE)
11. ENTRY GATE
12. MAINTENANCE GATE
13. ART IN PUBLIC PLACES
14. LIGHT POLE (TYP.). SEE SITE LIGHTING PLAN
15. STOP SIGN AND STOP BAR
16. NEW FENCE (SEE ARCHITERCTURAL DRAWINGS)
17. BRICK PAVERS (SEE ARCHITECTURAL DRAWINGS)
18. BICYCLE PARKING
19. PAVILLION

SITE NOTES:

1. OVERHEAD POWER WIRES ARE NOT SHOWN FOR CLARITY. FIELD SURVEY LOCATION PRIOR TO CONSTRUCTION. SEE SURVEY FOR REFERENCE.
2. SEE ARCHITECTURAL SITE PLAN FOR FIELD / COURT DIMENSIONS, LAYOUT, BRICK PAVER DETAILS, AND DETAILS.
3. SEE ARCHITECTURAL SITE PLAN FOR HARDSCAPE DETAILS.
4. N.W. SOUTH RIVER DRIVE INFORMATION PROVIDED BY E.A.C. PROJECT 11034 SHOWN FOR COORDINATION PURPOSES ONLY.
5. PROPERTY BOUNDARY LINE SHOWN IS AS PROVIDED BY THE SURVEYOR.
6. PROJECT LIMITS LINE SHOWN IS AS PROVIDED BY THE CITY OF MEDLEY.

TOWN OF MEDLEY PROJECT NO: PR-1301

User Name: kosm6282
Drawing Name: G:\PROJECTS\100037913 - Danny Meehan Park\02 - Cadd\100037913-C-200-SITE.dwg Apr 03, 2015 - 11:23am

THE TOWN OF MEDLEY · INCORPORATED 1949 · FLORIDA

REV.	BY	DATE	DESCRIPTION
8			
7			
6			
5			
4			
3			
2			
1			

ORIGINAL ISSUED DATE :

JOHN H. WILT, PE
FLORIDA REG. NO. 53233

DATE:

NOTICE:
The information in this document was prepared by ATKINS, INC. While ATKINS has taken all reasonable steps to assure the accuracy of the information contained in this document, it cannot guarantee that changes or alterations to this document will not be made by persons other than ATKINS personnel after the document leaves the possession of ATKINS. Changes or alterations may be safety related and result in damage to property, personal injury or death. If verification of the information contained in this document is needed, contact should be made directly with ATKINS.
This document must be compared to the original hard copy, with certified raised seal, if applicable, in order to insure the accuracy of the information contained therein and to further insure that no changes, alterations or modifications have been made to the document. No reliance should ever be made on a documentation transmitted or reviewed by computer or other electronic means unless it is first compared to the original. ATKINS makes no warranties, express or implied, concerning the accuracy of the information contained in any document transmitted or reviewed by computer or other electronic means.

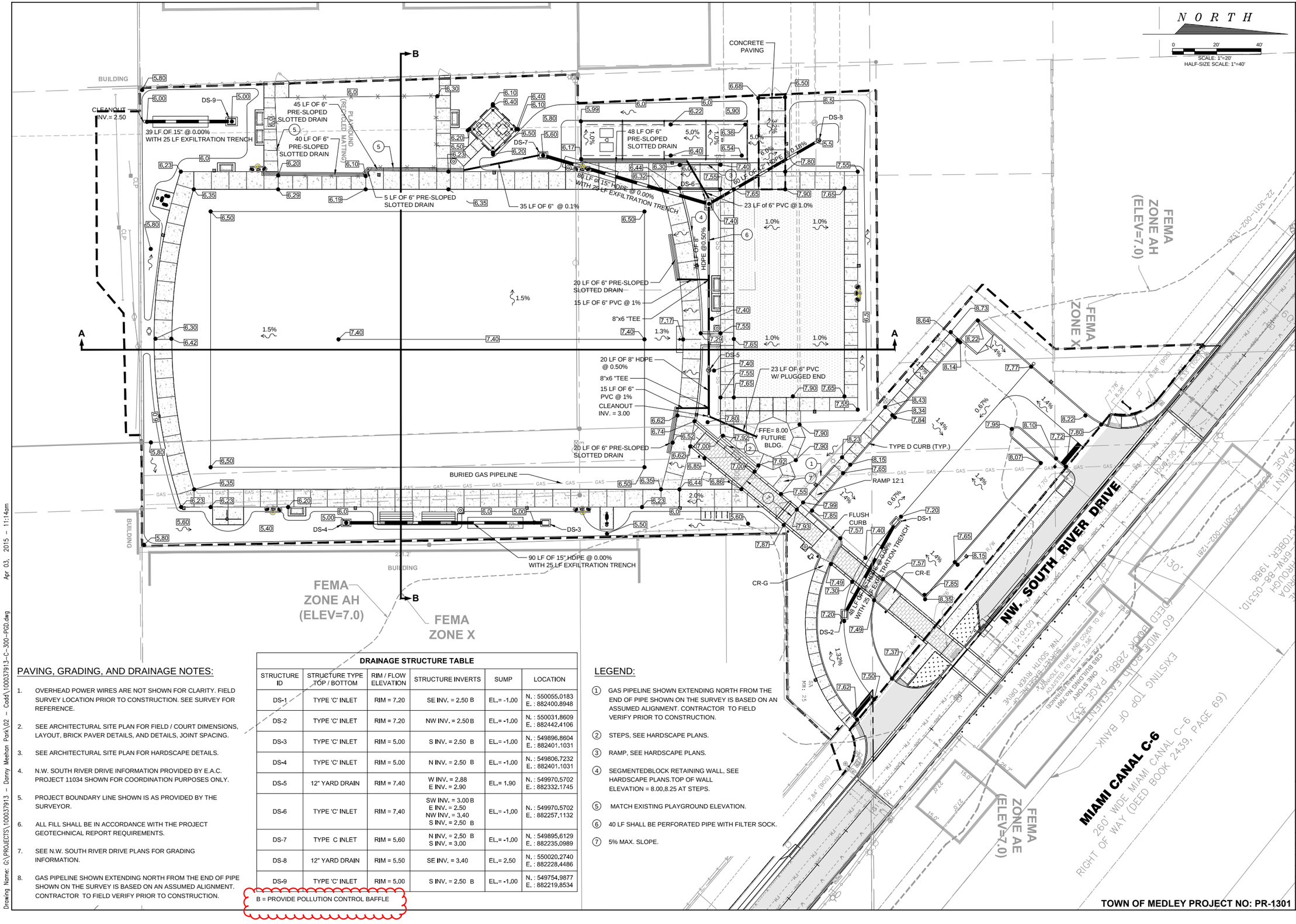
CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: SITE PLAN

ATKINS
CORPORATE OFFICE: 5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE: 482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	DRD
DESIGN:	JHW
CHECKED:	JHW
APPROVED:	JHW
SHEET NO.	C-200
REV.	



PAVING, GRADING, AND DRAINAGE NOTES:

1. OVERHEAD POWER WIRES ARE NOT SHOWN FOR CLARITY. FIELD SURVEY LOCATION PRIOR TO CONSTRUCTION. SEE SURVEY FOR REFERENCE.
2. SEE ARCHITECTURAL SITE PLAN FOR FIELD / COURT DIMENSIONS, LAYOUT, BRICK PAVER DETAILS, AND DETAILS, JOINT SPACING.
3. SEE ARCHITECTURAL SITE PLAN FOR HARDSCAPE DETAILS.
4. N.W. SOUTH RIVER DRIVE INFORMATION PROVIDED BY E.A.C. PROJECT 11034 SHOWN FOR COORDINATION PURPOSES ONLY.
5. PROJECT BOUNDARY LINE SHOWN IS AS PROVIDED BY THE SURVEYOR.
6. ALL FILL SHALL BE IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT REQUIREMENTS.
7. SEE N.W. SOUTH RIVER DRIVE PLANS FOR GRADING INFORMATION.
8. GAS PIPELINE SHOWN EXTENDING NORTH FROM THE END OF PIPE SHOWN ON THE SURVEY IS BASED ON AN ASSUMED ALIGNMENT. CONTRACTOR TO FIELD VERIFY PRIOR TO CONSTRUCTION.

DRAINAGE STRUCTURE TABLE

STRUCTURE ID	STRUCTURE TYPE TOP / BOTTOM	RIM / FLOW ELEVATION	STRUCTURE INVERTS	SUMP	LOCATION
DS-1	TYPE 'C' INLET	RIM = 7.20	SE INV. = 2.50 B	EL.= -1.00	N. : 550055.0183 E. : 882400.8948
DS-2	TYPE 'C' INLET	RIM = 7.20	NW INV. = 2.50 B	EL.= -1.00	N. : 550031.8609 E. : 882442.4106
DS-3	TYPE 'C' INLET	RIM = 5.00	S INV. = 2.50 B	EL.= -1.00	N. : 549896.8604 E. : 882401.1031
DS-4	TYPE 'C' INLET	RIM = 5.00	N INV. = 2.50 B	EL.= -1.00	N. : 549806.7232 E. : 882401.1031
DS-5	12" YARD DRAIN	RIM = 7.40	W INV. = 2.88 E INV. = 2.90	EL.= 1.90	N. : 549970.5702 E. : 882332.1745
DS-6	TYPE 'C' INLET	RIM = 7.40	SW INV. = 3.00 B E INV. = 2.50 NW INV. = 3.40 S INV. = 2.50 B	EL.= -1.00	N. : 549970.5702 E. : 882257.1132
DS-7	TYPE C INLET	RIM = 5.60	N INV. = 2.50 B S INV. = 3.00	EL.= -1.00	N. : 549895.6129 E. : 882235.0989
DS-8	12" YARD DRAIN	RIM = 5.50	SE INV. = 3.40	EL.= 2.50	N. : 550020.2740 E. : 882228.4486
DS-9	TYPE 'C' INLET	RIM = 5.00	S INV. = 2.50 B	EL.= -1.00	N. : 549754.9877 E. : 882219.8534

B = PROVIDE POLLUTION CONTROL BAFFLE

LEGEND:

1. GAS PIPELINE SHOWN EXTENDING NORTH FROM THE END OF PIPE SHOWN ON THE SURVEY IS BASED ON AN ASSUMED ALIGNMENT. CONTRACTOR TO FIELD VERIFY PRIOR TO CONSTRUCTION.
2. STEPS, SEE HARDSCAPE PLANS.
3. RAMP, SEE HARDSCAPE PLANS.
4. SEGMENTEDBLOCK RETAINING WALL, SEE HARDSCAPE PLANS.TOP OF WALL ELEVATION = 8.00,8.25 AT STEPS.
5. MATCH EXISTING PLAYGROUND ELEVATION.
6. 40 LF SHALL BE PERFORATED PIPE WITH FILTER SOCK.
7. 5% MAX. SLOPE.

TOWN OF MEDLEY PROJECT NO: PR-1301

THE TOWN OF MEDLEY INCORPORATED 1949 FLORIDA

REV	DATE	DESCRIPTION
1		ORIGINAL ISSUED DATE :

JOHN H. WILT, PE
FLORIDA REG. NO. 53233
DATE:

NOTICE: This drawing is an instrument of service prepared by ATKINS, INC. While ATKINS has taken all reasonable precautions to avoid the transmission of interference/contamination into documents, it cannot accept responsibility for any interference/contamination that may subsequently affect the information contained in this document. This document will not be made by persons other than those authorized by ATKINS, and ATKINS will not be responsible for any unauthorized alterations to this document. If you have received this document in error please notify the author immediately. Unless stated otherwise, this document and associated files is for the exclusive use of the addressee of ATKINS. Changes or alterations to this document may be made only with the written permission of ATKINS. Changes, alterations or modifications have been made to this document by persons other than ATKINS. In order to share the accuracy of the information contained in this document with other users, all changes, alterations or modifications have been recorded and are available for review. ATKINS will not be liable for any loss or damage arising from amendments to this document after its transmission unless it is first consented in writing by ATKINS. ATKINS consents only to the use of the unaltered document for the purpose of the transmission contained by the author of the document.

CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

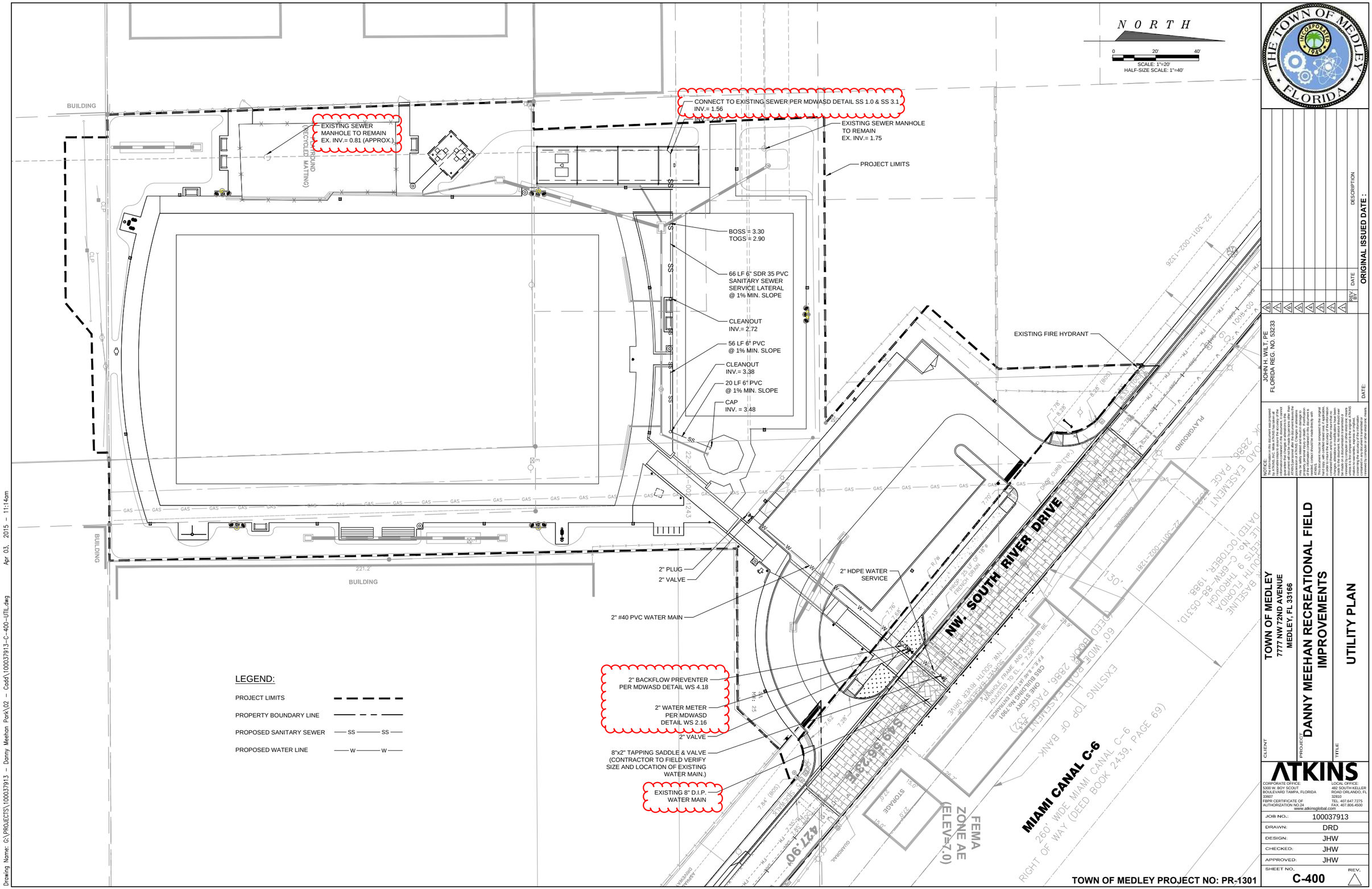
PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: PAVING, GRADING & DRAINAGE PLAN

ATKINS
CORPORATE OFFICE: 5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE: 482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275 FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	DRD
DESIGN:	JHW
CHECKED:	JHW
APPROVED:	JHW
SHEET NO.	C-300
REV.	△

User Name: kasm6282
Drawing Name: G:\PROJECTS\100037913 - Danny Meehan Park\02 - Cadd\100037913-C-300-PGD.dwg
Apr 03, 2015 - 11:14am



THE TOWN OF MEDLEY FLORIDA
INCORPORATED 1949

REV.	DATE	DESCRIPTION
1		ORIGINAL ISSUED DATE :

JOHN H. WILT, PE
FLORIDA REG. NO. 53233
DATE:

NOTICE:
COPYRIGHT: This document and the design shown or indicated thereon is the property of ATKINS, Inc. While ATKINS has taken all reasonable precautions to ensure that any information contained in this document is current and accurate, the reader is reminded that this document is not a substitute for the original. The original document will be made available for inspection on request or where appropriate. Unless stated otherwise, ATKINS gives no warranty as to the accuracy or completeness of any information contained in this document and will not be liable for any loss or damage of any kind caused by its use or alteration, whether arising in tort, contract or otherwise. Unless stated otherwise, ATKINS accepts no responsibility for any use of the information contained in this document in respect of any purpose other than that for which it was originally prepared and will not be liable for any loss or damage of any kind caused by such use. Any persons using information contained in this document for purposes other than that for which it was originally prepared shall indemnify ATKINS against all claims, costs, damages and losses arising out of or in connection with such use. Any information which is required for a specific purpose must be verified by the user to the user's satisfaction. Where this document has been issued in electronic form ATKINS accepts no responsibility for loss or damage caused by any virus or for any changes which may be made to the information in electronic form subsequent to its issue by ATKINS. In order to maintain the accuracy of the information contained in this document, it is the responsibility of the user to ensure that they are in possession of the latest version, including any amendments, updates and supplements. ATKINS accepts no liability for any loss or damage caused by the use of any superseded version. Unless expressly stated otherwise, this document and the information contained herein is provided "as is" and all warranties, whether express or implied by statute, common law or otherwise, in relation to the contents of and information contained in this document are excluded to the fullest extent permitted by law. Unless expressly stated otherwise, ATKINS does not consent to any third party making use of, relying upon or making decisions based upon the information contained in this document. Where this document has been issued in electronic form you may only rely upon drawings which have been signed and sealed by the author. Any unauthorised reliance or decision made based on this document is the responsibility of the third party. Any third party relying on this document agrees to indemnify ATKINS against all claims, costs, damages and losses arising out of or in connection with such reliance. This document must be compared to the original signed and sealed version to ensure that no changes, alterations or modifications have been made to the original document. If this document is a digitally transmitted version, it is the responsibility of the recipient to ensure that it is the correct version and that it has been transmitted and received in full. In the event of any discrepancy between the original signed and sealed version held by ATKINS and any digitally transmitted version, the original signed and sealed version shall prevail. Nothing in this notice shall limit or exclude ATKINS' liability for fraud or for death or personal injury caused by its negligence.

CLIENT
TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT
DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

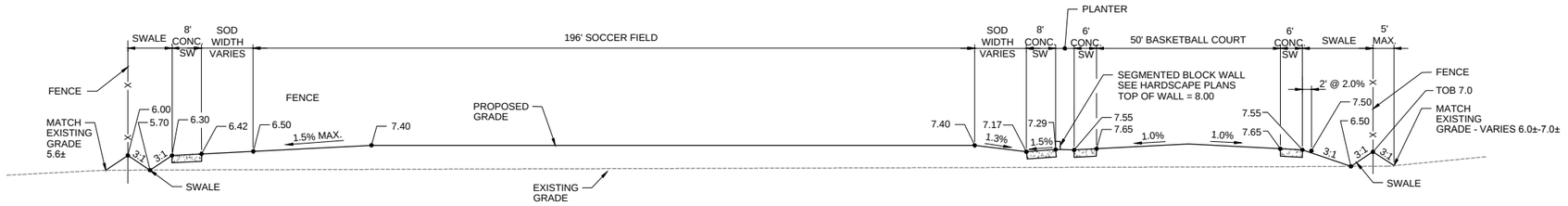
TITLE
UTILITY PLAN

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	DRD
DESIGN:	JHW
CHECKED:	JHW
APPROVED:	JHW
SHEET NO.	C-400
REV.	△

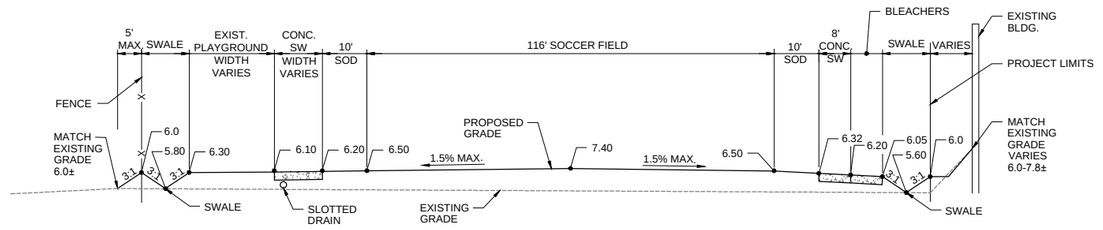
TOWN OF MEDLEY PROJECT NO: PR-1301

User Name: kosm6282
Drawing Name: G:\PROJECTS\100037913 - Danny Meehan Park\02 - Cadd\100037913-C-400-UTL.dwg
Apr 03, 2015 - 11:14am



SECTION A-A

NTS



SECTION B-B

NTS

TOWN OF MEDLEY PROJECT NO: PR-1301

THE TOWN OF MEDLEY FLORIDA INCORPORATED 1949

REV	DATE	DESCRIPTION
8		
7		
6		
5		
4		
3		
2		
1		

ORIGINAL ISSUED DATE :

JOHN H. WILT, PE
FLORIDA REG. NO. 53233

DATE:

NOTICE:
This document and/or this document may be protected by ATKINS, INC., WINA, ATKINS's limited or all intellectual property rights including without limitation, copyright, database rights and moral rights. Except for any intellectual property rights vested in any third party which is contained in this document, a licence is hereby granted to the client identified on page 1 of this document to the extent necessary to use this document for the purposes of the project as detailed in the agreement between the client and ATKINS dated for the project. Any other use of this document will be at the user's sole risk and without any liability on the part of ATKINS and its professional associates and consultants. Unless a further limited licence is granted, this document should not be used or relied upon by any third party (i.e. for purposes not directly connected with the project) and ATKINS will not be responsible to any third party for any use of the contents of this document. Ownership of this document does not confer any rights to the contents or to the use thereof. All rights are reserved. Unauthorised use of this document in whole or in part is prohibited. By receiving this document the recipient agrees that it shall not assign, sub-licence or otherwise transfer rights in it without the prior written consent of ATKINS. Any amendments made to this document by persons other than ATKINS may be indicated or identified as such. ATKINS accepts no responsibility for any such changes made by other persons. Any such persons making changes use entirely at their own risk and must obtain all professional and technical advice necessary. ATKINS accepts no liability of any kind whatsoever for any claim arising from the use of the project team extranet or the document transfer system for the transmission of this document to any other computer system and consents to the recipient copying this document for the purposes set out above. This document is also subject to contract and cannot be altered by the recipient except if transferred in the normal course of business in electronic form. Any changes, alterations or modifications have been made in this document after it has been issued or sealed by ATKINS. In order to ensure the accuracy of the information or data received, the recipient should request an electronic copy for verification. This document must be compared to the original signed and sealed version and ATKINS shall not be liable for any discrepancies between the original and electronic versions of the document. Any data or information supplied by the recipient will be assumed to be correct. Unless otherwise agreed in writing by ATKINS no liability or warranty will be given as to the accuracy of such data or information. Due to the possible inaccuracies during the conversion of electronic information, the recipient should not rely upon the accuracy or completeness of such information. If errors are found the recipient should inform ATKINS in writing as soon as possible. ATKINS shall not be liable for any loss, damage, cost or expense incurred or arising by reason of a person using or relying on information in this document and whether caused by reason of any error, negligent act, omission or misrepresentation in the information or otherwise. Unless expressly agreed otherwise in writing, ATKINS shall not be liable for any loss, damage, cost or expense incurred or arising by reason of a person using or relying on information in this document and whether caused by reason of any error, negligent act, omission or misrepresentation in the information or otherwise. Unless expressly agreed otherwise in writing, ATKINS shall not be liable for any loss, damage, cost or expense incurred or arising by reason of a person using or relying on information in this document and whether caused by reason of any error, negligent act, omission or misrepresentation in the information or otherwise.

CLIENT
TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

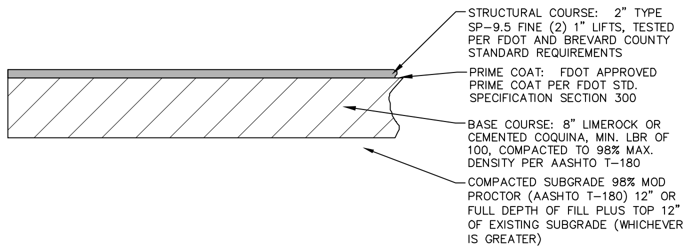
PROJECT
DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE
SECTIONS

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

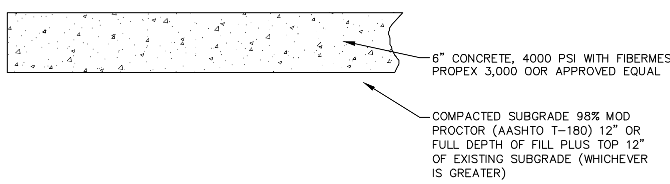
JOB NO.:	100037913
DRAWN:	DRD
DESIGN:	JHW
CHECKED:	JHW
APPROVED:	JHW
SHEET NO.	C-500
REV.	7

User Name: kasm6282
Drawing Name: G:\PROJECTS\100037913 - Danny Meehan Park\02 - Cadd\100037913-C-500-SECTIONS.dwg
Apr 03, 2015 - 11:15am



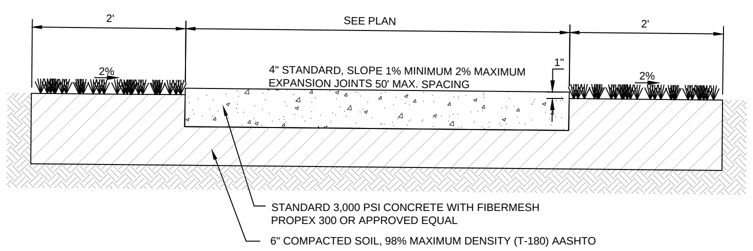
1 **ASPHALT PAVEMENT DETAIL**

Scale: NTS



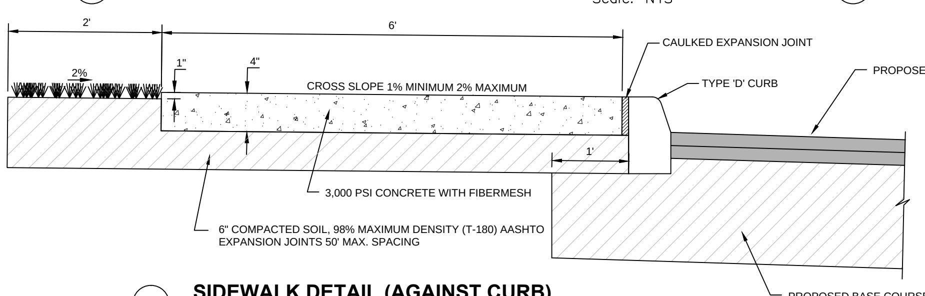
2 **CONCRETE PAVEMENT DETAIL**

Scale: NTS



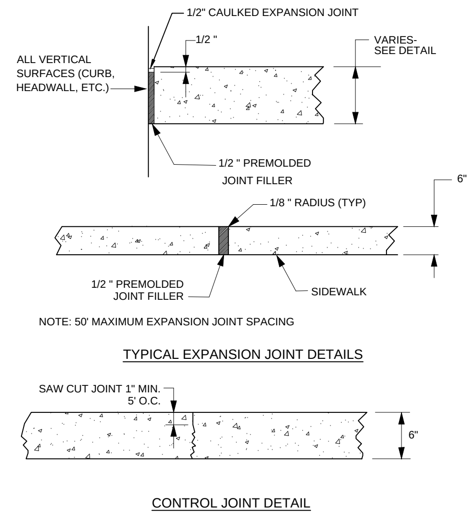
3 **SIDEWALK DETAIL**

Scale: NTS



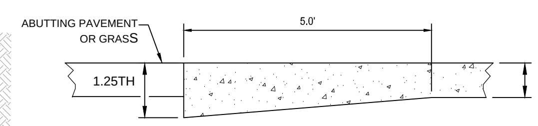
4 **SIDEWALK DETAIL (AGAINST CURB)**

Scale: NTS



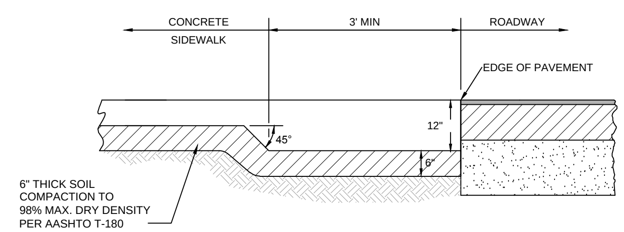
5 **SIDEWALK TYPICAL JOINTS DETAILS**

Scale: NTS



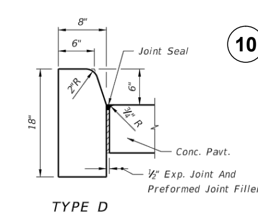
6 **EDGE OF PAVEMENT DETAIL (EOP)**

Scale: NTS



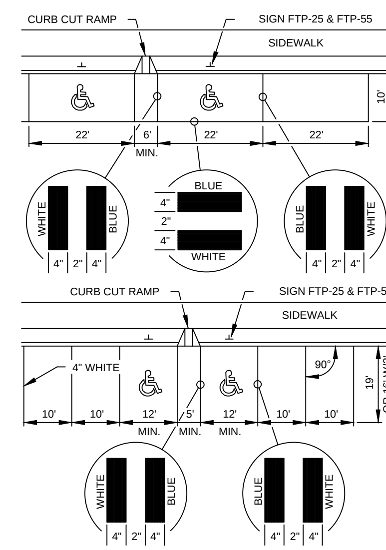
7 **TYPICAL SIDEWALK TERMINATION SECTION**

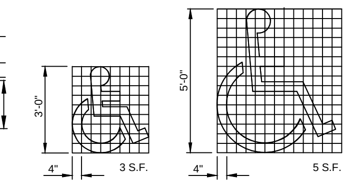
Scale: NTS



8 **TYPE "D" CURB DETAILS**

Scale: NTS

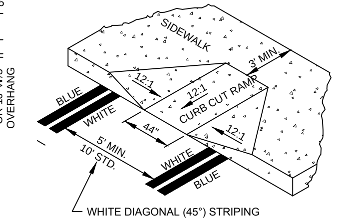




NOTE

USE OF PAVEMENT SYMBOL IN HANDICAPPED PARKING SPACES IS OPTIONAL. WHEN USED THE SYMBOL SHALL BE 3 OR 5 FT HIGH AND WHITE IN COLOR.

HANDICAPPED PAVEMENT SYMBOL



CURB CUT RAMP (TYP.)

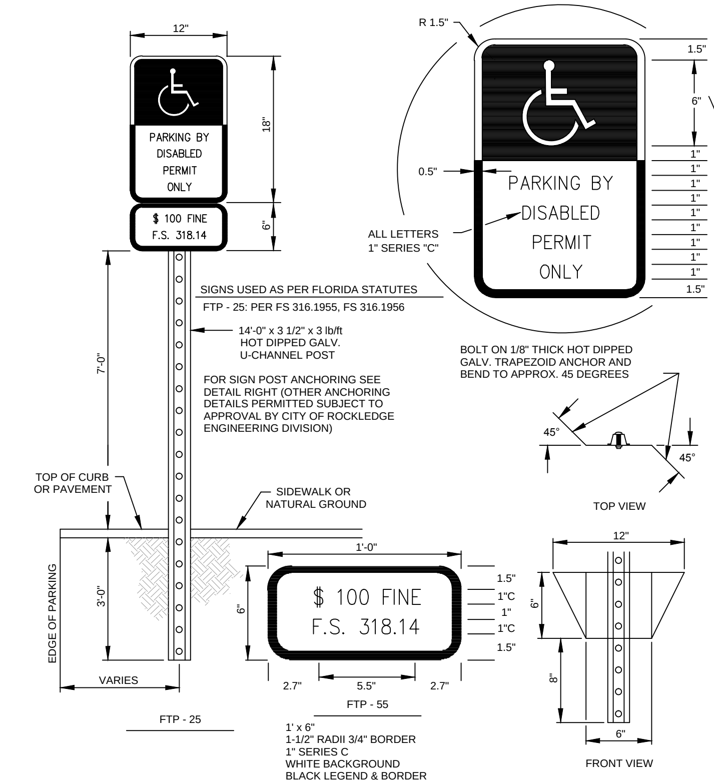
DIMENSIONS				
∠	"A"	"B"	"C"	"D"
45°	19'-10"	17'-0"	7'-1"	28'-0"
60°	19'-10"	13'-11"	5'-10"	22'-11"

GENERAL NOTES:

1. CRITERIA FOR PAVEMENT MARKINGS ONLY, NOT CURB CUT RAMP LOCATIONS. FOR RAMP CRITERIA SEE FDOT INDEX NO. 304.
2. BLUE PAVEMENT MARKINGS SHALL BE TINTED TO MATCH SHADE 15180 OF FEDERAL STANDARD 595a.
3. SEE SECTION 25-191 OF THE PALM BAY CODE OF ORDINANCES FOR MORE INFORMATION.
4. ALL CURBS OR CURBSTOPS SHOWN ARE OPTIONAL.
5. SIGN POSTS REFER TO FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX 11865.

9 **DISABLED RAMP AND PAVEMENT MARKING**

Scale: NTS

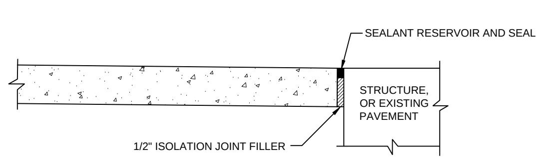


GENERAL NOTES

1. TOP PORTION OF FTP-25 SHALL HAVE A REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER.
2. BOTTOM PORTION OF FTP-25 SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
3. FTP-25 SHALL BE FABRICATED ON ONE PANEL.
4. THE SIGN SHALL BE PLACED A MINIMUM OF 3' FROM THE WHEEL STOP OR THE BACK OF CURB (WHERE APPLICABLE).

10 **DISABLED PARKING SIGN INSTALLATION**

Scale: NTS

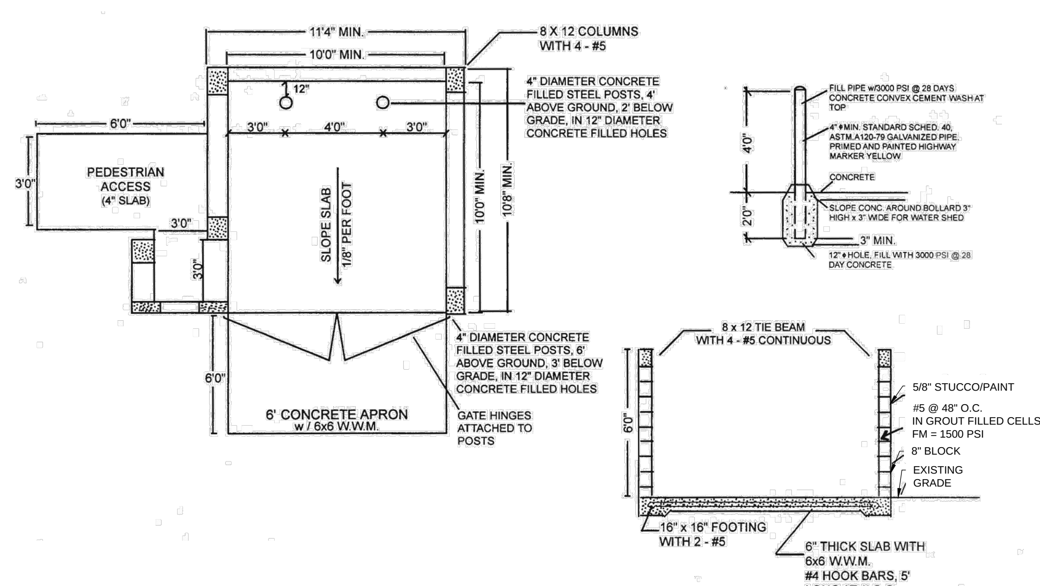


NOTES:

1. TOP OF SEALANT WILL BE 1/8" TO 1/4" BELOW TOP OF PAVEMENT.

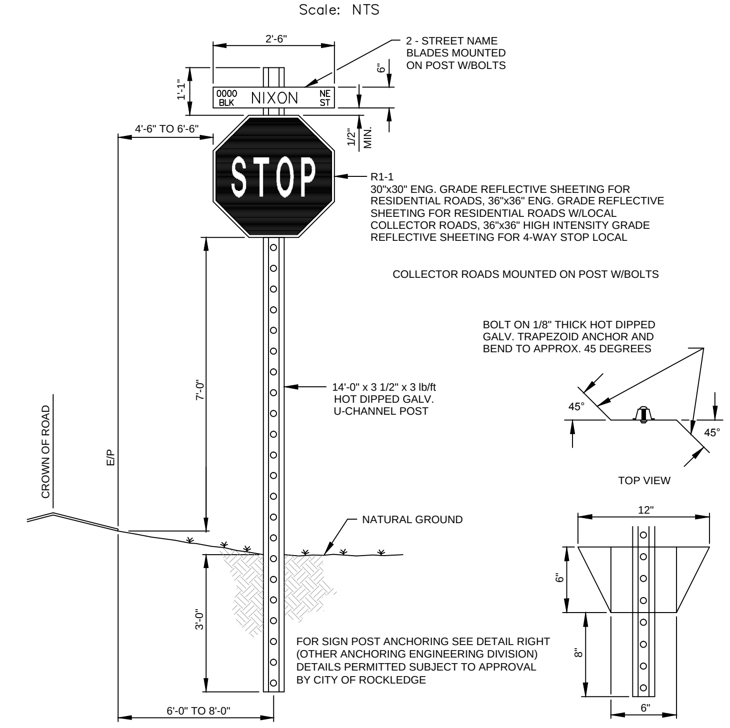
11 **ISOLATION JOINT DETAIL**

Scale: NTS



12 **DUMPSTER ENCLOSURE DETAIL**

Scale: NTS



13 **STOP SIGN INSTALLATION**

Scale: NTS

LARRY LEVIS, AIA
FLORIDA REG. NO. 13383

TOWN OF MEDLEY PROJECT NO: PR-1301

THE TOWN OF MEDLEY · INCORPORATED 1949 · FLORIDA

REV. BY	DATE	DESCRIPTION
8		
7		
6		
5		
4		
3		
2		
1		

ORIGINAL ISSUED DATE :

JOHN H. WILT, PE
FLORIDA REG. NO. 53233

DATE:

NOTICE:
The information in this document was prepared by ATKINS, INC. While ATKINS has taken all reasonable steps to assure the accuracy of the information contained in this document, it cannot guarantee that changes or alterations to this document will not be made by persons other than ATKINS personnel after the document leaves the possession of ATKINS. Changes or alterations may be safety related and result in damage to property, personal injury or death. If verification of the information contained in this document is needed, contact should be made directly with ATKINS.
This document must be compared to the original hard copy, with certified raised seal, if applicable, in order to insure the accuracy of the information contained therein and to further insure that no changes, alterations or modifications have been made to the document. No reliance should ever be made on a documentation transmitted or reviewed by computer or other electronic means unless it is first compared to the original. ATKINS makes no warranties, express or implied, concerning the accuracy of the information contained in any document transmitted or reviewed by computer or other electronic means.

CLIENT: **TOWN OF MEDLEY**
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT: **DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS**

TITLE: **CONSTRUCTION DETAILS**

ATKINS

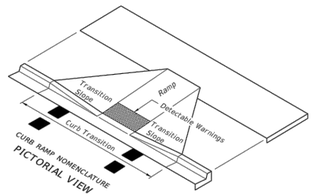
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24

LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500

www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	DRD
DESIGN:	JHW
CHECKED:	JHW
APPROVED:	JHW
SHEET NO.	C-600
REV.	

User Name: kosm6282
Drawing Name: G:\PROJECTS\100037913 - Danny Meehan Park\02 - Cadd\100037913-C-600-DETAILS.dwg Apr 03, 2015 - 11:15am



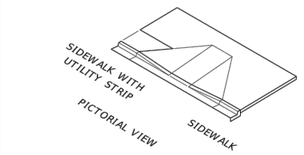
GENERAL NOTES

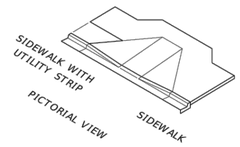
1. Sidewalk curb ramps shall be constructed at locations that will provide continuous unobstructed pedestrian circulation path to pedestrian areas, elements and facilities within the right of way and to accessible pedestrian routes on adjacent sites. Curbed facilities with sidewalks and those without sidewalks are to have curb ramps constructed for all intersections and turnouts with curbed returns. To accommodate curb ramps, partial curb returns are to extend to the limits prescribed in Index No. 515. Ramps constructed at locations without sidewalks are to have a landing constructed at the top of each ramp, see LANDINGS FOR CURB RAMPS WITHOUT SIDEWALKS.
2. When altering existing pedestrian facilities, where existing restricted conditions preclude the accommodation of a ramp slope of 1:12, a ramp slope between 1:12 and 1:10 is permitted for a rise of 6" maximum. Where compliance with the requirements for cross slope cannot be fully met, the minimum feasible cross slope shall be provided. Ramp slopes are not required to exceed 15' in length.
3. If sidewalk curb ramps are located where pedestrians must walk across the ramp, then provide transition slopes to the ramp; otherwise a sidewalk curb may be required.
4. All sidewalks, ramps, and landings with a cross slope of 0.02 shown in this Index are 0.02 maximum. All ramp slopes shown in this Index as 1:12 are 1:12 maximum. Landings shall have slopes less than or equal to 0.02 in any direction.
5. Grade breaks at the top and bottom of ramps shall be parallel to each other and perpendicular to the direction of the ramp slope.
6. Where a sidewalk curb ramp is constructed within existing curb, curb and gutter and/or sidewalk, the existing curb or curb and gutter shall be removed to the nearest joint beyond the curb transition or to the extent that no remaining section of curb or curb and gutter is less than 5' long. Existing sidewalks shall be removed to the nearest joint beyond the transition slope or to the extent that no remaining section of sidewalk is less than 5' long. For CONCRETE SIDEWALK details refer to Index 310.
7. Sidewalk curb ramp alpha-identifications are for reference purposes (plans, permits, etc.). Alpha-identifications CR-I and CR-J were intentionally omitted.
8. Detectable warnings shall extend the full width of the ramp and to a depth of 2'. Detectable warnings shall be constructed in accordance with Specification Section 527. For the layout of detectable warnings, refer to the TYPICAL PLACEMENT OF DETECTABLE WARNINGS details. Detectable warnings shall not be provided on transition slopes.
9. When detectable warnings are placed on a slope greater than 5%, domes shall be aligned with the centerline of the ramp; otherwise domes are not required to be aligned.
10. Detectable warnings shall be required on sidewalks at:
    a. Intersecting roads,
    b. Median Crossings greater than or equal to 6' in width,
    c. Railroad Crossings,
    d. Signalized driveways.
11. Detectable Warnings – Acceptance Criteria:
    a. Color and texture shall be complete and uniform.
    b. 90% of individual truncated domes shall be in accordance with the Americans with Disabilities Act Standards for Transportation Facilities, Section 705.
    c. There shall be no more than 4 non-compliant domes in any one square foot.
    d. Non-compliant domes shall not be adjacent to other non-compliant domes.
    e. Surfaces shall not deviate more than 0.10" from a true plane.
12. Detectable warnings shall be installed no greater than 5' from the back of curb or edge of pavement.
13. Detectable warnings shall not be installed over grade breaks.

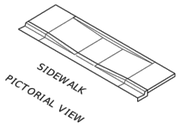
LEGEND

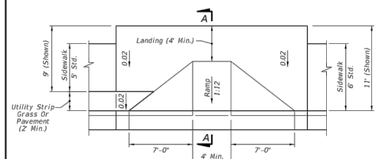
Detectable Warnings

LAST REVISION 07/01/13	DESCRIPTION:	FDOT 2014 DESIGN STANDARDS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX NO. 304	SHEET NO. 1 of 7





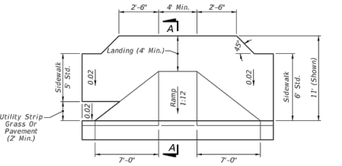




SIDEWALK WITH UTILITY STRIP — SIDEWALK

PLAN VIEW

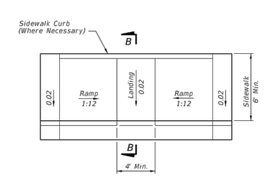
CR-A



SIDEWALK WITH UTILITY STRIP — SIDEWALK

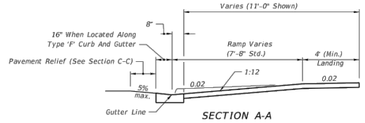
PLAN VIEW

CR-B



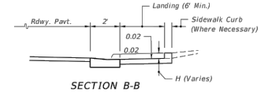
PLAN VIEW

CR-C



SECTION A-A

SECTION THROUGH RAMP AND LANDING (UNRESTRICTED CONDITIONS)



SECTION B-B

Note: For Additional Information On Sidewalk Curb Construction, See SIDEWALK CURB and SIDEWALK CURB OPTIONS details.

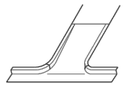
SECTION THROUGH LANDING (UNRESTRICTED CONDITIONS)

SIDEWALK CURB RAMPS WHERE RAMP AND LANDING DEPTHS ARE NOT RESTRICTED

LAST REVISION 07/01/13	DESCRIPTION:	FDOT 2014 DESIGN STANDARDS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX NO. 304	SHEET NO. 2 of 7

PICTORIAL VIEW

CR-D



PICTORIAL VIEW

CR-E

PICTORIAL VIEW

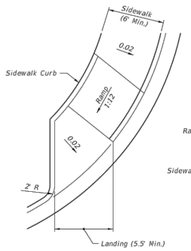
CR-F

PICTORIAL VIEW

CR-G

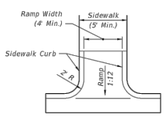
PICTORIAL VIEW

CR-H



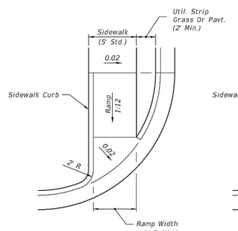
PLAN VIEW

CR-D



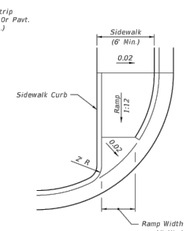
PLAN VIEW

CR-E



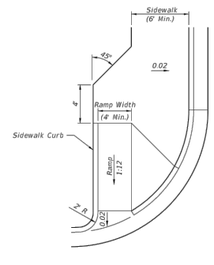
PLAN VIEW

CR-F



PLAN VIEW

CR-G

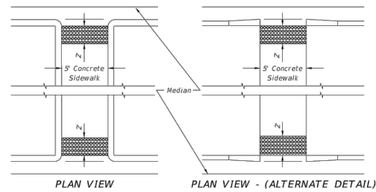


PLAN VIEW

CR-H

DIMENSIONAL FEATURES OF SIDEWALK CURB RAMPS FOR LINEAR PEDESTRIAN TRAFFIC

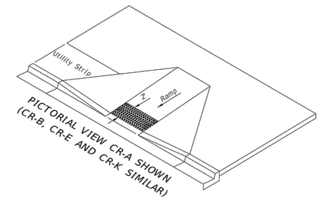
LAST REVISION 07/01/13	DESCRIPTION:	FDOT 2014 DESIGN STANDARDS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX NO. 304	SHEET NO. 3 of 7



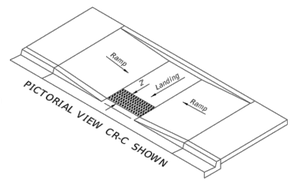
PLAN VIEW

PLAN VIEW - (ALTERNATE DETAIL)

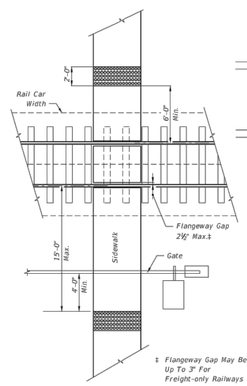
MEDIAN CROSSING



PICTORIAL VIEW CR-A SHOWN (CR-B, CR-E AND CR-K SIMILAR)

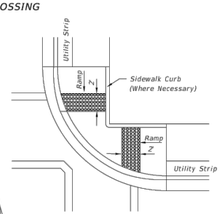


PICTORIAL VIEW CR-C SHOWN

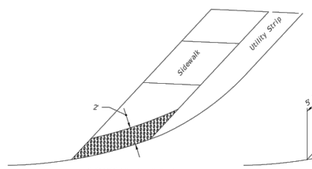


‡ Flangeway Gap May Be Up To 3" For Freight-only Railways

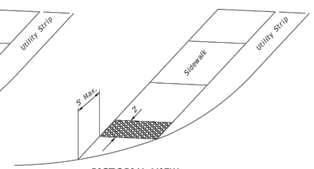
PLAN VIEW RAILROAD CROSSING



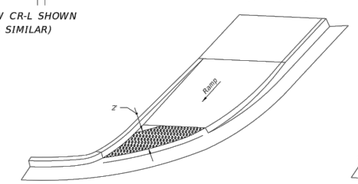
PLAN VIEW CR-L SHOWN (CR-D SIMILAR)



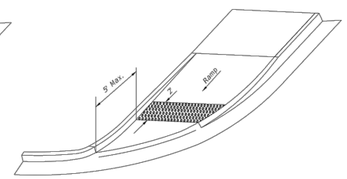
PICTORIAL VIEW FLUSH SHOULDER (OPTION A)



PICTORIAL VIEW FLUSH SHOULDER (OPTION B)



PICTORIAL VIEW CR-G SHOWN (OPTION A) (CR-F AND CR-H SIMILAR)



PICTORIAL VIEW CR-G SHOWN (OPTION B) (CR-F AND CR-H SIMILAR)

TYPICAL PLACEMENT OF DETECTABLE WARNINGS

LAST REVISION 07/01/13	DESCRIPTION:	FDOT 2014 DESIGN STANDARDS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX NO. 304	SHEET NO. 6 of 7

THE TOWN OF MEDLEY FLORIDA INCORPORATED 1949

REV.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		ORIGINAL ISSUED DATE :

JOHN H. WILT, PE
FLORIDA REG. NO. 53233

DATE:

NOTICE:
This document and the electronic data contained herein is copyrighted by ATKINS (unless otherwise indicated) and is protected by law. It is a violation of copyright law to copy, distribute, transmit, display, modify or create derivative works based upon all or any part of this document or the information contained herein without the prior written permission of ATKINS. Unauthorized use of this document or the information contained herein may violate laws relating to trademarks, service marks, trade names, trade secrets, proprietary information, unfair competition, misappropriation of property, personal injury or death. Any rights not expressly granted herein are reserved by ATKINS. If you are not authorized, please contact the sender immediately and delete all copies of this document.
This document must be compared to the original signed and sealed version prior to use on any project in order to ensure the accuracy of the information contained herein. ATKINS is not responsible for any changes, alterations or modifications have been made to this document after it has been signed and sealed. Any changes made to this document will be made on documentation transmitted or maintained by the party making such changes. If there is a discrepancy between the electronic files and the original, ATKINS cannot verify the accuracy of the information contained in the electronic files and shall not be responsible for any use of the information contained in the electronic files.
Any electronic files transmitted are intended to be viewed by computer of a video aware. Viewing

CLIENT
TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT
DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

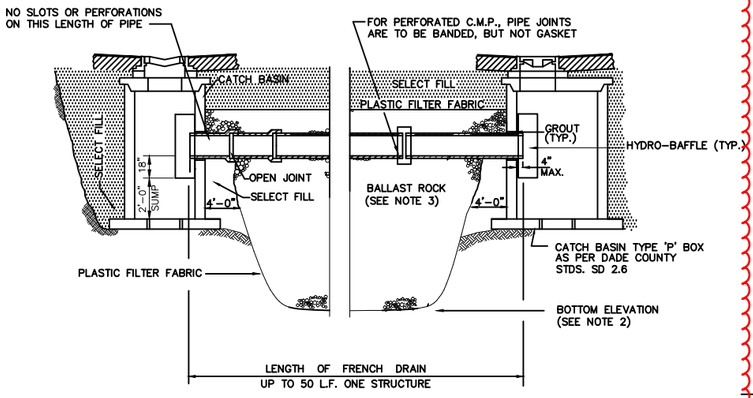
TITLE
CONSTRUCTION DETAILS

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FIRM CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	DRD
DESIGN:	JHW
CHECKED:	JHW
APPROVED:	JHW
SHEET NO.	C-601
REV.	△

TOWN OF MEDLEY PROJECT NO: PR-1301

User Name: kosm6282
Drawing Name: C:\PROJECTS\100037913 – Danny Meehan Park\02 – Cadd\100037913-C-600-DETAILS.dwg
Apr 03, 2015 – 11:15am



LONGITUDINAL SECTION

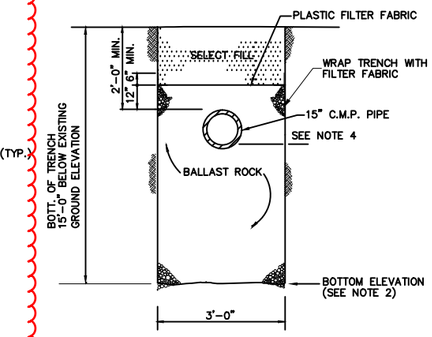
NOTES

1. PLASTIC FILTER FABRIC (AT EACH SIDE, TOP AND BOTTOM) SHALL BE USED IN SANDY AREAS AS NOTED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
2. THE BOTTOM OF THE EXFILTRATION TRENCH SHALL BE 15'-0" BELOW EXISTING GROUND ELEVATION, UNLESS FIELD CONDITIONS WARRANT OTHERWISE.
3. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION, IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION, SO THAT THE EXFILTRATION TRENCH BE COMPLETED IN ACCORDANCE WITH THE DETAILS.
4. INVERT ELEVATION TO BE AS SHOWN IN W.C. 2.2 (AVG. OCT. GROUND WATER LEVEL EL. ---)

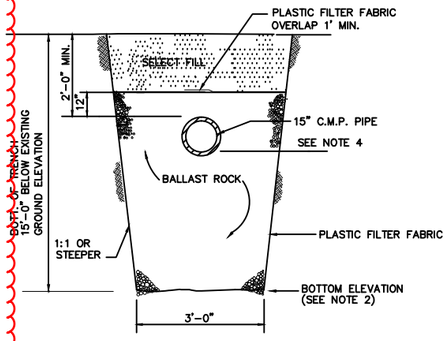
NOTE: IF THIS DETAIL IS TO BE USED FOR PRETREATMENT OF STORMWATER RUN-OFF, THE INVERT OF PIPE TO BE AS SHOWN IN W.C. 2.2, IF PRETREATMENT HAS BEEN PROVIDED THRU OTHER MEANS THE INVERT OF PIPE CAN BE LOWER THAN SHOWN IN W.C. 2.2

EXFILTRATION TRENCH DETAIL

NOT TO SCALE

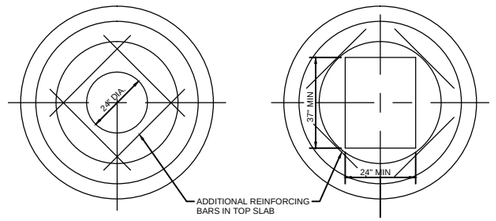


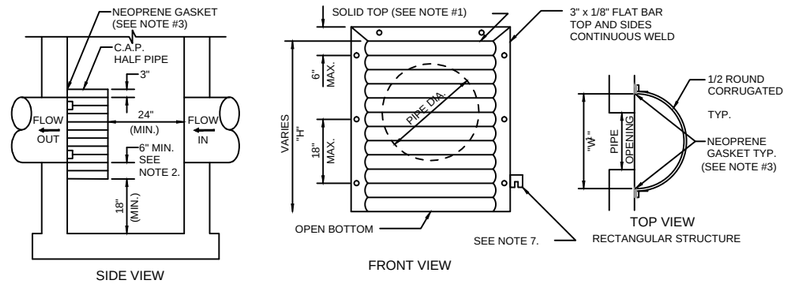
TRANSVERSE SECTION



ALTERNATE TRANSVERSE SECTION

MAY BE USED IN AREAS WHERE TRENCH WALLS WILL NOT STAND VERTICAL, OR WHERE CAVE IN BELOW THE WATER TABLE IS LIKELY TO OCCUR. TO BE USED AT THE ENGINEER'S DISCRETION





PIPE DIA.	W[1] (IN)	W[2] (IN)	T (GAUGE)	H (IN)
15"	21"	21"	16	VARIES
18"	24"	24"	16	VARIES
21"	30"	30"	16	VARIES
24"	30"	36"	16	VARIES
30"	36"	42"	14	VARIES
36"	42"	48"	14	VARIES
42"	48"	54"	14	VARIES
48"	54"	60"	14	VARIES
54"	60"	66"	14	VARIES

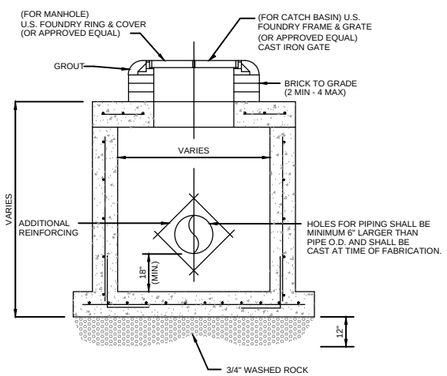
1. RECTANGULAR STRUCTURE
2. ROUND STRUCTURE

NOTES:

1. ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP.
2. THE BOTTOM ELEVATION OF THE POLLUTION RETARDANT BAFFLE MUST BE AT LEAST 2' BELOW CONTROL ELEVATION.
3. NEOPRENE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1" x 2") SHALL BE INSTALLED ON THE SIDES AND TOP OF ALL BAFFLES.
4. POLLUTION RETARDANT BAFFLE TO BE FASTENED IN PLACE WITH 3/8"x4" STAINLESS STEEL "RED HEADS", OR APPROVED EQUAL.
5. ALL EXFILTRATION TRENCHES SHALL HAVE A POLLUTION RETARDANT BAFFLE AT EACH CONNECTION POINT TO A STRUCTURE (SEE EXFILTRATION TRENCH DETAIL).
6. FIBERGLASS BAFFLES ARE NOT PERMITTED.
7. MOUNTING BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION IN ROUND STRUCTURES. SPACING TO MATCH HOLES IN FLAT BARS.

POLLUTION RETARDANT BAFFLE

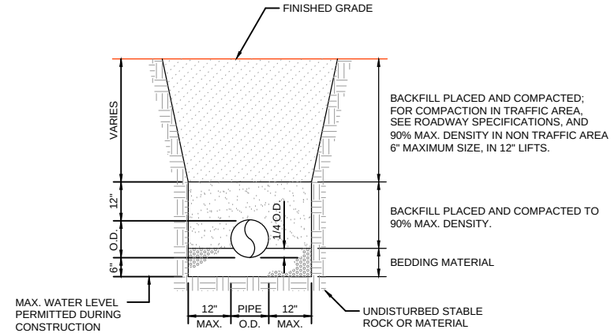
N.T.S



PRE-CAST PER FDOT INDEX 200

PRE-CAST CATCH BASIN DETAIL

N.T.S

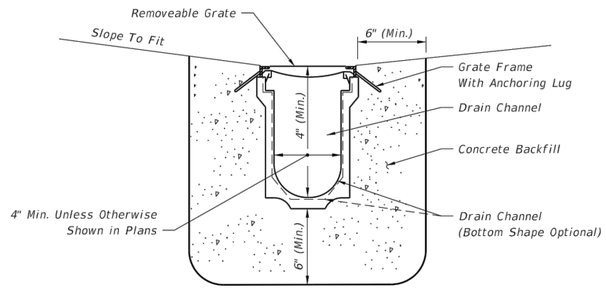


NOTES:

1. WHERE SOIL CONDITION CANNOT BE MAINTAINED AS SHOWN ABOVE, PROVIDE APPROVED MEANS OF CONSTRUCTION.
2. WHERE REQUIRED SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH THE LOCAL GOVERNMENTAL AGENCY.
3. MUCK OR OTHER UNSUITABLE MATERIAL SHALL BE COMPLETELY REMOVED.
4. WHEN THE PIPE IS LAID IN THE PREPARED TRENCH, TRUE TO LINE AND GRADE, THE PIPE BARREL SHALL RECEIVE CONTINUOUS UNIFORM SUPPORT. WHERE NECESSARY, COURSE SAND, PEA ROCK OR 3/4" LIMESTONE GRAVEL SHALL BE USED TO PROVIDE UNIFORM BEDDING.
5. JOINTS MAY BE REQUIRED TO BE WRAPPED AT THE
6. BACKFILL MATERIAL SHALL BE NON-COHESIVE AND NON-PLASTIC SOIL THAT IS FREE OF ALL DEBRIS, LUMPS, WOOD BROKEN PAVING OR ANY ORGANIC OR UNSUITABLE MATERIAL. BACKFILL MATERIAL PLACED WITHIN 12" OF THE PIPE SHALL CONTAIN NO ROCKS OR STONES LARGER THAN 3-1/2" INCHES IN DIAMETER. NO ROCKS OR STONES LARGER THAN 6" IN DIAMETER WILL BE PERMITTED IN THE REMAINING BACKFILL UNLESS OTHERWISE SPECIFIED.
7. TRENCH BACKFILL SHALL BE COMPACTED TO NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY AASHTO T-180. BACKFILL AND COMPACTION SHALL BE IN ACCORDANCE TO THE STANDARD ENGINEERING DESIGN REQUIRED BY THE LOCAL GOVERNMENTAL AGENCY.

TRENCH EXCAVATION DETAIL

N.T.S



PREFORMED CHANNEL WITH REMOVABLE GRATE

TYPE II

DESIGN NOTES

1. *Where placed adjacent to reinforced concrete barrier wall or median barrier wall, the designer shall detail in the plans the position of the drain relative to the barrier wall to avoid conflicts with the barrier wall footing. See Index No. 410.*
2. *The designer shall identify the following in the plans:*
   - *(a) The type of drain at each location.*
   - *(b) The begin and end locations of the Trench Drain.*
   - *(c) The location of the outlet pipe if the Trench Drain is not stubbed directly into a drainage structure.*
   - *(d) The design flow (Q) for the Trench Drain must be shown on the plans.*
3. *Capture efficiency for Type I Trench Drain may be computed using the equations for slotted drain in FHWA's HEC 12 & 22. Grate Type I and Type II must have at least 30% open area.*
4. *Round pipe alternate is available in 12, 18, 24 and 36 inch.*
5. *Type II Preformed Channel with integral anchoring lugs are applicable.*

THE TOWN OF MEDLEY FLORIDA INCORPORATED 1949

REV	DATE	DESCRIPTION
		ORIGINAL ISSUED DATE :

JOHN H. WILT, PE
FLORIDA REG. NO. 53233

DATE:

NOTICE: Copyright: This document and the design thereof are the property of Atkins, INC. Atkins Limited as an intellectual property owner. Any unauthorized reproduction of the document, in part or whole, or any unauthorized use of the document will not be made by persons other than possession of Atkins. Changes or alterations made to this document by anyone other than Atkins, are made without Atkins consent and Atkins will not be responsible for any changes, alterations or modifications made to this document. Atkins will not be responsible for any damages (property, personal injury or death), in connection with or resulting from the use of this document by anyone other than Atkins or, if needed, content should be made directly with Atkins.
Use of Documents: This document must be compared to the original signed and sealed hard copy version of the document in order to insure the accuracy of the information shown. Atkins will not be responsible for any changes, alterations or modifications made to this document after the original signed and sealed version has been released by Atkins. Any changes made to this document must be made on a documentation transmittal or other written document signed by Atkins. Any changes made to this document that are not contained in the original, ATKINS approved version of the document, will be considered the responsibility of the person or company making the changes and removed by Atkins or under Atkins' name.

CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

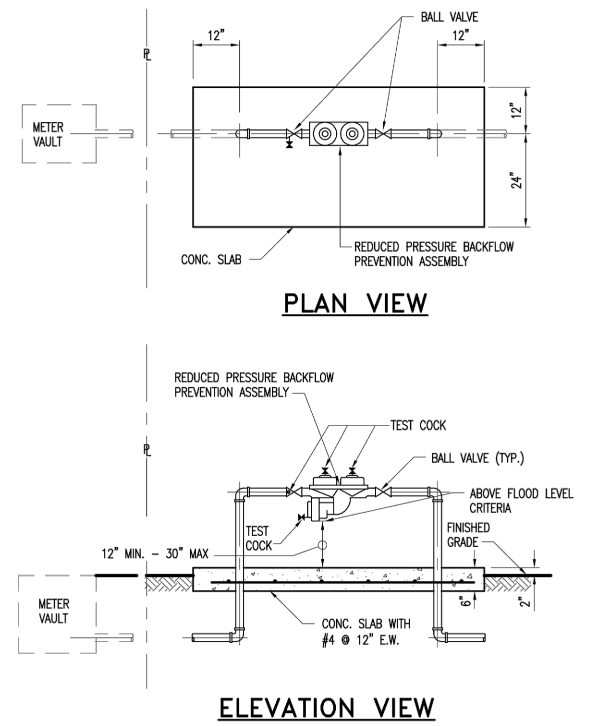
TITLE: UTILITY DETAILS

ATKINS
CORPORATE OFFICE: 5200 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.28
LOCAL OFFICE: 482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL: 407.647.7275 FAX: 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	DRD
DESIGN:	JHW
CHECKED:	JHW
APPROVED:	JHW
SHEET NO.	C-602
REV.	

TOWN OF MEDLEY PROJECT NO: PR-1301

User Name: kosm6282
Drawing Name: G:\PROJECTS\100037913 - Danny Meehan Park\02 - Cadd\100037913-C-600-DETAILS.dwg Apr 03, 2015 - 11:27am



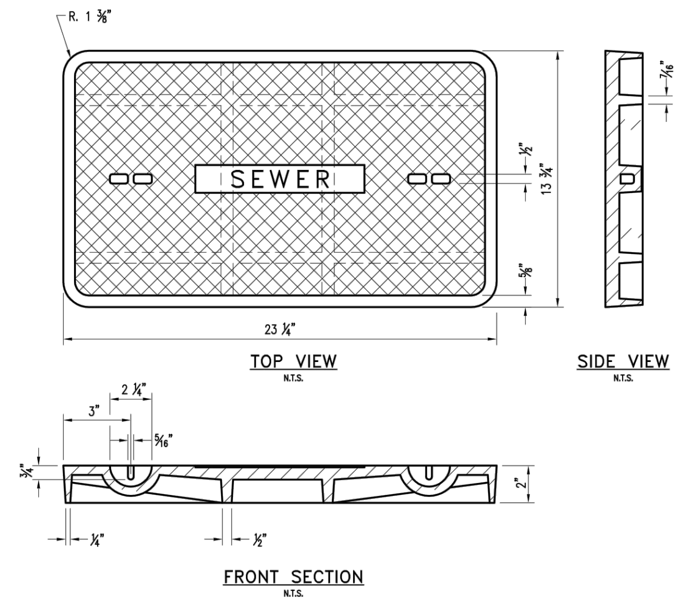
GUARD POST DETAIL	WS 4.5	
ITEM	CROSS REF.	SPEC. REF.

MIAMI-DADE COUNTY Delivering Excellence Every Day

ISSUE DATE	APPROVED BY
6/26/2012	F.A.

STANDARD DETAIL
REDUCED PRESSURE ZONE BACKFLOW PREVENTER FOR WATER SERVICE 3/4" THRU 2"

WS 4.18 SHEET 1 OF 5



NOTES:
1. CAST IRON LID TO BE A MODIFIED VERSION OF USF No. 7715 (OR EQUIVALENT) WITHOUT BOLT HOLES, MARKED "SEWER" AND A.D.A. COMPLIANT FOR USE IN SIDEWALKS.
LID WT.: APPROX. 55 LBS.

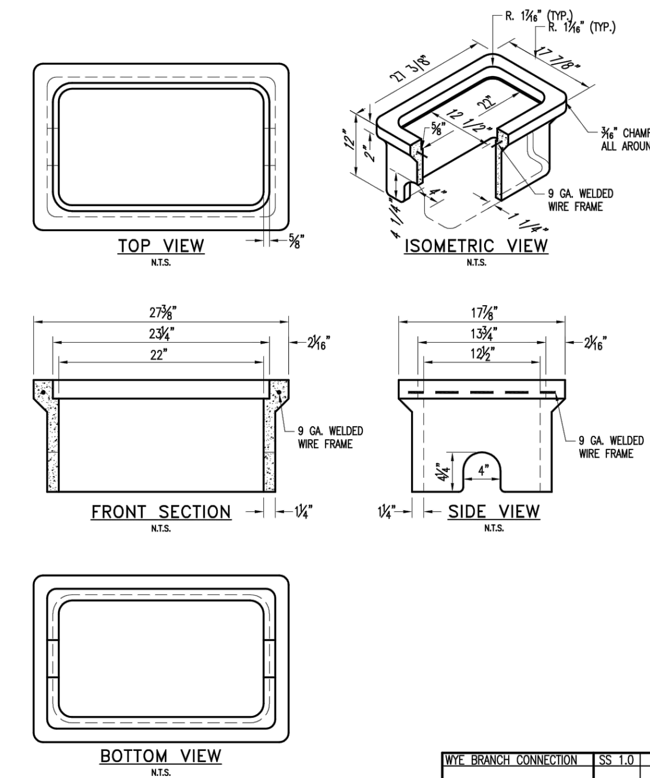
WYE BRANCH CONNECTION	SS 1.0	
ITEM	CROSS REF.	SPEC. REF.

MIAMI-DADE COUNTY Delivering Excellence Every Day WATER & SEWER DEPARTMENT

ISSUE DATE	APPROVED BY
01/14/2010	V.F.C.

STANDARD DETAIL
SANITARY SEWER CLEAN-OUT LID DETAIL

SS 22.0 SHEET 1 OF 2



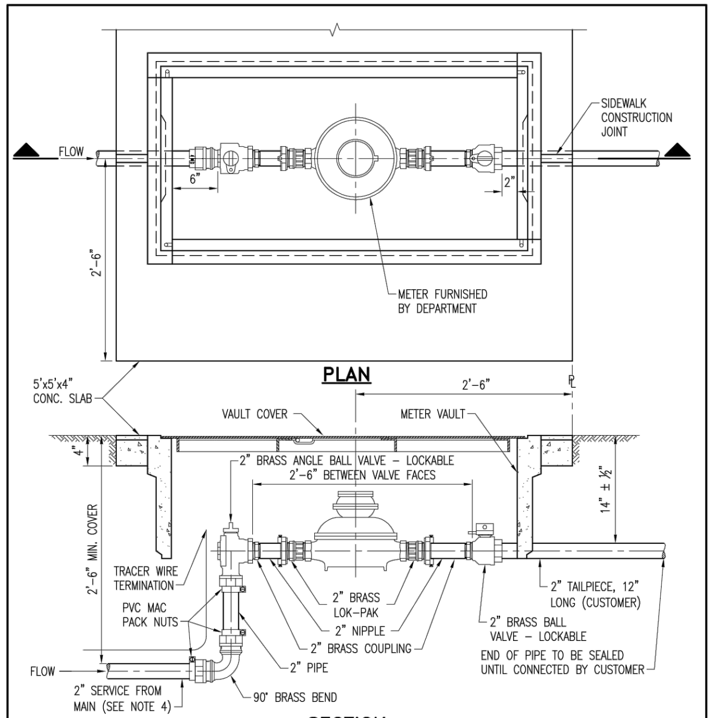
WYE BRANCH CONNECTION	SS 1.0	
ITEM	CROSS REF.	SPEC. REF.

MIAMI-DADE COUNTY Delivering Excellence Every Day WATER & SEWER DEPARTMENT

ISSUE DATE	APPROVED BY
01/14/2010	V.F.C.

STANDARD DETAIL
SANITARY SEWER CLEAN-OUT CONCRETE BOX DETAIL

SS 22.0 SHEET 2 OF 2



NOTES:
1. USE 2'x4' METER VAULT.
2. METER BOX TO BE IN 5'x5'x4" THICK CONCRETE SLAB WITH 6x6–W1.4xW1.4 W.W.M.
3. A TEN GAUGE BLUE (PURPLE FOR RECLAIMED WATER) DIRECT BURY STRANDED COPPER TRACER WIRE TO BE TAPED CONTINUOUSLY WITH POLY OR DUCT TAPE TO THE SERVICE FOR LOCATION PURPOSES. WIRE MUST BE ATTACHED TO WATER MAIN AND EXTEND INTO THE WATER METER BOX.
4. USE 2" BLUE COLOR HDPE FOR POTABLE WATER SERVICE. USE 2" PURPLE COLOR HDPE FOR RECLAIMED WATER SERVICE.
5. METERS WILL NOT BE INSTALLED IF THE METER BOX IS LOCATED ON A DRIVING SURFACE.
6. METER BOX SHALL BE INSTALLED BETWEEN TWO SEPARATE FLAGS OF CONCRETE.

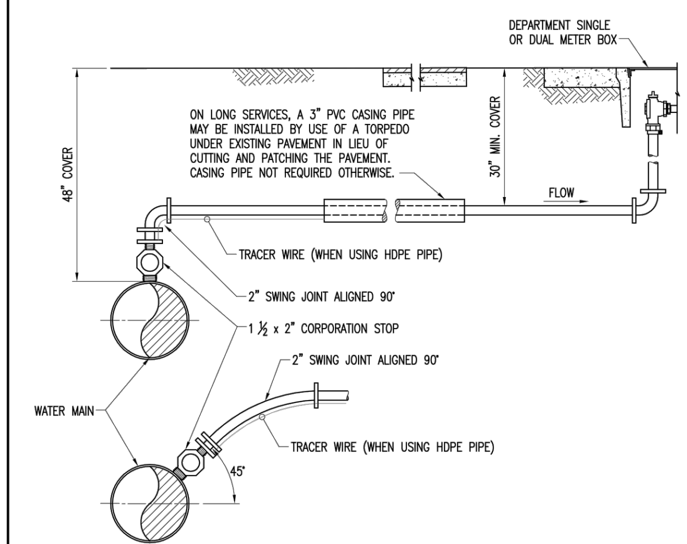
TYPICAL SERVICE PLAN	WS 4.10	
2'x4' METER VAULT	WS 2.17	
ITEM	CROSS REF.	SPEC. REF.

MIAMI-DADE COUNTY Delivering Excellence Every Day WATER & SEWER DEPARTMENT

ISSUE DATE	APPROVED BY
06/20/2008	V.F.C.

STANDARD DETAIL
TYPICAL 2" SERVICE INSTALLATION WITH A 2" METER

WS 2.16 SHEET 1 OF 4



NOTES:
1. CONTRACTOR HAS THE OPTION OF TAPPING AT 45°.
2. METERS WILL NOT BE INSTALLED IF THE METER BOX IS LOCATED ON A DRIVING SURFACE.
3. PROVIDE 36" MIN. COVER FOR SERVICES INSTALLED WITHIN ARTERIAL ROADS (INCLUDING ALL SECTION LINE AND HALF-SECTION LINE ROADS).
4. INSTALL TAPPING SADDLE FOR: THICKNESS CLASS D.I. MAINS 4" & SMALLER, PRESSURE CLASS D.I. WATER MAINS 8" & SMALLER, OR WHEN MAIN IS PVC, HDPE OR AC PIPE.
5. WHEN MAIN IS SHALLOWER THAN 48", A 1/8 OR 1/4 BEND MUST BE USED.
6. WHEN USING HDPE SERVICE PIPE, A TEN GAUGE BLUE TRACER WIRE TO BE TAPED TO THE PIPE EVERY 2 FT. WITH POLY OR DUCT TAPE. TRACER WIRE TO BE MECHANICALLY FASTENED TO THE MAIN WHEN A METAL WATER MAIN IS USED.
7. USE SERVICE SADDLE AND TAPPING SLEEVE FOR PVC RECLAIMED WATER MAIN.

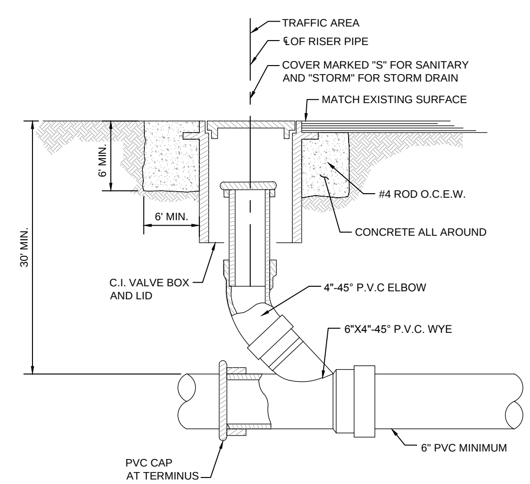
DUAL METER BOX	WS 2.12	
SINGLE METER BOX	WS 2.10	3.02
ITEM	CROSS REF.	SPEC. REF.

MIAMI-DADE COUNTY Delivering Excellence Every Day WATER & SEWER DEPARTMENT

ISSUE DATE	APPROVED BY
12/16/2009	V.F.C.

STANDARD DETAIL
TYPICAL 2" SERVICE CONNECTION (HDPE)

WS 2.16 SHEET 4 OF 4



CLEANOUT DETAIL
N.T.S

THE TOWN OF MEDLEY – INCORPORATED 1949 – FLORIDA

REV.	BY	DATE	DESCRIPTION
8			
7			
6			
5			
4			
3			
2			
1			

ORIGINAL ISSUED DATE :

JOHN H. WILT, PE
FLORIDA REG. NO. 53233

DATE:

NOTICE:
The information in this document was prepared by ATKINS, INC. While ATKINS has taken all reasonable steps to assure the accuracy of the information contained in this document, it cannot guarantee that changes or alterations to this document will not be made by persons other than ATKINS personnel after the document leaves the possession of ATKINS. Changes or alterations may be safety related and result in damage to property, personal injury or death. If verification of the information contained in this document is needed, contact should be made directly with ATKINS.
This document must be compared to the original hard copy, with certified raised seal, if applicable, in order to insure the accuracy of the information contained therein and to further insure that no changes, alterations or modifications have been made to the document. No reliance should ever be made on a documentation transmitted or reviewed by computer or other electronic means unless it is first compared to the original. ATKINS makes no warranties, express or implied, concerning the accuracy of the information contained in any document transmitted or reviewed by computer or other electronic means.

CLIENT
TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT
DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE
UTILITY DETAILS

ATKINS
CORPORATE OFFICE: 5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE: 482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	DRD
DESIGN:	JHW
CHECKED:	JHW
APPROVED:	JHW
SHEET NO.	C-603
REV.	

TOWN OF MEDLEY PROJECT NO: PR-1301

User Name: kosm6282
Drawing Name: G:\PROJECTS\100037913 – Danny Meehan Park\02 – Cadd\100037913-C-600-DETAILS.dwg   Apr 03, 2015 – 11:15am

STORM WATER POLLUTION PREVENTION PLAN - CONTRACTORS REQUIREMENTS

1. SITE DESCRIPTION

PROJECT NAME AND LOCATION:
DANNY MEEHAN RECREATIONAL FIELD

OWNER NAME AND ADDRESS:
TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FLORIDA 33166

A. DESCRIPTION:

SITE IMPROVEMENTS

B. SOIL DISTURBING ACTIVITIES

CLEARING AND GRUBBING; EARTHWORK, PAVEMENT AND GRADING; STORM SEWER, UTILITIES, AND PREPARATION FOR FINAL PLANTING AND SEEDING.

C. SITE AREA:

1. TOTAL AREA OF SITE = 89,007 SF
2. TOTAL AREA TO BE DISTURBED = 89,007 SF

D. RUNOFF COEFFICIENTS:

1. PRE-CONSTRUCTION = 0.8
2. DURING CONSTRUCTION = 0.8
3. POST-CONSTRUCTION = 0.8

SOILS:

A MAJORITY OF THE SOILS CONSIST OF FINE SAND

E. SITE MAPS:

* SEE ATTACHED PLAN SHEETS FOR PRE & POST DEVELOPMENT GRADES, AREAS OF SOILS, DISTURBANCE, LOCATION OF SURFACE WATERS, WETLANDS, PROTECTED AREAS, MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS AND STORM WATER DISCHARGE POINTS.
* SEE ATTACHED PLAN SHEETS FOR LOCATION OF TEMPORARY STABILIZATION PRACTICES AND TURBIDITY BARRIERS
* SEE GENERAL NOTES FOR REQUIREMENTS FOR TEMPORARY AND PERMANENT STABILIZATION.

F. NAME OF RECEIVING WATERS:

2. CONTRACTOR'S RESPONSIBILITY

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN OFF. AN EROSION AND TURBIDITY PLAN HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS PER PLAN AND SHALL BE CONSISTENT WITH THE PERFORMANCE STANDARD FOR EROSION AND SEDIMENT CONTROL AND STORM WATER TREATMENT AS SET FORTH IN RULE 62-40.432 F.A.C., THE APPLICABLE STORM WATER OR ERP REQUIREMENTS OF DEP OR APPROPRIATE WMD AND THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT.

STORM WATER MANAGEMENT

1. STORM WATER DRAINAGE WILL BE PROVIDED THROUGH THE APPROVED STORM-WATER MANAGEMENT SYSTEM. AREAS WHICH ARE NOT TO BE CONSTRUCTED ON, BUT WILL BE REGRADED SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE. TEMPORARY SEDIMENT BASINS WILL BE USED TO INTERCEPT SEDIMENT BEFORE DISCHARGING OFFSITE. THIS IS IN ACCORDANCE WITH THE REQUIREMENTS FORTH BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR THIS TYPE OF DEVELOPMENT AT THE TIME OF PERMITTING.
2. THE CONTRACTOR SHALL BE REQUIRED TO RESPOND TO ALL WATER MANAGEMENT DISTRICT AND FDEP INQUIRIES, RELATIVE TO COMPLIANCE OF SJRWMD FOR EROSION AND SEDIMENTATION CONTROL AND FDEP WATER QUALITY STANDARDS. THE COST OF THIS COMPLIANCE SHALL BE PART OF THE CONTRACT.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A GENERIC PERMIT FOR STORMWATER DISCHARGE FOR LARGE AND SMALL CONSTRUCTION ACTIVITIES (DEP FORM 62-321.300 (4)(a) FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). PERMIT INFORMATION MAY BE OBTAINED FROM HTTP://WWW.DEP.STATE.FL.US.COM.
4. THE CONTRACTOR MUST SUBMIT A NOTICE OF INTENT (NOI) (DEP FORM 62-621.300 (4)(b), INCLUDING APPLICABLE PERMIT PROCESSING FEES, TO COMPLY WITH THE FDEP NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PHASE II CONSTRUCTION PERMIT. THE CONTRACTOR SHALL FILE FOR COVERAGE PRIOR TO COMMENCEMENT OF CONSTRUCTION AND IN ACCORDANCE WITH PERMIT APPLICATION CRITERIA. THE NOI SHALL BE SUBMITTED TO THE FOLLOWING ADDRESS:

   NPDES Stormwater Notices Center, MS# 2510
   Florida Department of Environmental Protection
   2600 Blair Stone Road
   Tallahassee, Florida 32399-2400.
5. THE CONTRACTOR MUST ALSO DEVELOP AND IMPLEMENT A STORMWATER PREVENTION PROTECTION PLAN (SWPPP) THAT COMPLIES WITH THE FDEP NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PHASE II CONSTRUCTION PERMIT. THE CONTRACTOR SHALL SUBMIT THE SWPPP PRIOR TO THE SUBMITTAL OF AN NOI. THE SWPPP CONTAINED WITHIN THESE CONSTRUCTION DOCUMENTS WAS DEVELOPED TO COMPLY WITH THE LOCAL REGULATION CRITERIA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL INFORMATION PROVIDED HEREIN MEETS OR EXCEEDS NPDES REQUIREMENTS.

3. GENERAL

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS. DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.

4. SEQUENCE OF MAJOR ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE
2. INSTALL SILT FENCES AND SYNTHETIC BALES AS REQUIRED
3. CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT BASIN
4. CONSTRUCT SEDIMENTATION BASIN
5. CONTINUE CLEARING AND GRUBBING
6. STOCK PILE TOP SOIL IF REQUIRED
7. PERFORM PRELIMINARY GRADING ON SITE AS REQUIRED
8. STABILIZE DENUDED AREAS AND STOCKPILES AS SOON AS PRACTICABLE
9. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING
10. REMOVE ACCUMULATED SEDIMENT FROM BASINS
11. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/SOD AS REQUIRED

5. TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND SYNTHETIC BALES, STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED IN ACCORDANCE WITH THE EROSION AND TURBIDITY CONTROL PLAN.

6. CONTROLS

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE PLAN SHEETS. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE PLAN SHEETS AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE EROSION AND TURBIDITY CONTROL PLAN AND AS REQUIRED TO MEET THE EROSION AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

A. EROSION AND SEDIMENT CONTROLS STABILIZATION PRACTICES

1. SYNTHETIC BALE BARRIER: SYNTHETIC BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:

   A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
   B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
   C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
   D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF SYNTHETIC BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST WASHOUT.

   REFER TO SYNTHETIC BALE BARRIER DETAIL FOR PROPER LOCATION, MATERIAL & USAGE.
2. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
   A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
   B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.

   REFER TO STORMWATER POLLUTION PREVENTION DETAILS FOR PROPER CONSTRUCTION OF THE FILTER FABRIC BARRIER.
3. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.
4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.
5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE

   SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 10 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREAS WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.
7. INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
8. TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN 30 DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING.
9. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.
10. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. TEMPORARY GRASSING SHALL BE THE SAME MIX & AMOUNT REQUIRED FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.
11. TEMPORARY REGRASSING: IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER AT NO ADDITIONAL COST TO THE OWNER.
12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
13. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.
15. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.

B. STRUCTURAL PRACTICES

1. TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.
2. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP SHALL BE INSTALLED IN A DRAINAGEWAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA. THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE:

   A. BLOCK & GRAVEL SEDIMENT FILTER – THIS PROTECTION IS APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.

   B. GRAVEL SEDIMENT TRAP – THIS PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

   C. DROP INLET SEDIMENT TRAP – THIS PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (S < 5%) AND WHERE SHEET OR OVERLAND FLOWS (Q < 0.5 CFS) ARE TYPICAL. THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS.
3. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION AND SEDIMENT PROBLEM TO THE RECEIVING WATER BODY. SILT FENCES AND SYNTHETIC BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISCHARGING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.

C. SEDIMENT BASINS

SEDIMENT BASINS WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME, THE PROPOSED STORM WATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED

UNTIL FINAL STABILIZATION OF THE SITE.

THE 3,600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL STABILIZATION.

D. WETLAND PROTECTION

EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. SEE DETAIL SHEET FOR TYPICAL CONSTRUCTION.

7. CONTROLS FOR OTHER POTENTIAL POLLUTANTS

WASTE DISPOSAL

1. WASTE MATERIALS: ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.
2. OFFSITE VEHICLE TRACKING: A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.
3. SANITARY WASTE: ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DEPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.
4. HAZARDOUS WASTE: ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

8. INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

☐ Concrete	☐ Fertilizers	☐ Wood
☐ Asphalt	☐ Petroleum Based Products	☐ Masonry Blocks
☐ Tar	☐ Cleaning Solvents	☐ Roofing Materials
☐ Detergents	☐ Paints	☐ Metal Studs
☐ _______	☐ _______	☐ _______

CONTRACTOR SHALL CHECK APPROPRIATE BOXES.

9. 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 WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

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

HAZARDOUS PRODUCTS

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

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

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS
ALL ONSITE 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 ONSITE 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 COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS
ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS
CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

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

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE 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 BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (i.e. KITTY LITTER OR EQUAL), 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.

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

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 RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE 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 IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

10. DEWATERING AND TEMPORARY IMPOUNDMENT NOTES

1. ALL SILT FENCES SHALL BE IN PLACE PRIOR TO DEWATERING ACTIVITIES.
2. A TEMPORARY IMPOUNDMENT AREA SHALL BE CONSTRUCTED PER THE TEMPORARY IMPOUNDMENT BASIN DETAIL. THE IMPOUNDMENT AREA SHALL BE CONSTRUCTED PRIOR TO DEWATERING ACTIVITIES.
3. RECHARGE TRENCHES WILL BE MAINTAINED FULL OF WATER FOR DURATION OF THE DEWATERING ACTIVITIES.
4. DISCHARGE SHALL MEET STATE WATER QUALITY STANDARDS. CONTRACTOR SHALL USE ADDITIONAL MEASURES NECESSARY TO ENSURE WATER QUALITY STANDARDS ARE MET, SPECIFICALLY TURBIDITY.
5. DEWATERING SHALL BE DONE IN ONE PHASE AND SHALL CEASE DURING HEAVY RAINFALL EVENTS.
6. STORM WATER RUNOFF SHALL BE PREVENTED FROM ENTERING IMPOUNDMENT AREA BY BERMING AROUND THESE AREAS WITH A BERM MINIMUM OF 12" ABOVE EXISTING GRADE AND GRADING DRAINAGE AWAY FROM DEWATERING ACTIVITY AREAS.
7. THE SIZE OF THE TEMPORARY IMPOUNDMENT BASIN IS BASED ON ESTIMATED DEWATERING RATES AND VOLUMES REQUIRED TO CONSTRUCT THE PROJECT STORMWATER MANAGEMENT SYSTEM. THE CONTRACTOR SHALL ADJUST THE SIZE OF THE TEMPORARY IMPOUNDMENT BASIN AS REQUIRED BASED ON THE MEANS AND METHODS OF CONSTRUCTION AND ACTUAL FIELD CONDITIONS; INCLUDING DEWATERING PUMP RATES AND RATES OF INFILTRATION ENCOUNTERED.

10. TURBIDITY MONITORING SAMPLE PLAN

MONITORING REQUIRED:
DESCRIPTION: TURBIDITY EXPRESSES IN NEPHELO-METRIC TURBIDITY UNITS (NTU)
LOCATION: BACKGROUND – SAMPLES SHALL BE TAKEN 200 FT UPSTREAM OF ANY CONSTRUCTION ACTIVITY WITHIN SURFACE WATER OF THE STATE COMPLIANCE. SAMPLES SHALL BE TAKEN 200 FEET DOWNSTREAM.
FREQUENCY: PERIODICALLY AS DETERMINED BY CONTRACTOR TO ENSURE COMPLIANCE WITH FEDERAL AND STATE WATER QUALITY STANDARDS.
DURATION: MONITORING SHALL BEGIN ON THE FIRST DAY OF CONSTRUCTION FOR ALL ACTIVITIES RELATED TO THE PROPOSED ACTIVITIES THAT ARE CLASSIFIED AS SURFACE WATERS OF THE STATE. MONITORING SHALL CEASE WHEN ALL CONSTRUCTION ACTIVITIES RELATED TO THE PROPOSED ACTIVITIES ARE COMPLETED. THE MONITORING DATA MUST DEMONSTRATE THAT TURBIDITY 200 FT DOWNSTREAM OF ALL PROPOSED ACTIVITIES IS LESS THAN OR EQUAL TO 29 NTU'S ABOVE NATURAL BACKGROUND TURBIDITY 200 FT UPSTREAM OF EACH PROPOSED ACTIVITY FOR A PERIOD OF 7 CONSECUTIVE DAYS AFTER COMPLETION OF CONSTRUCTION.

ALL MONITORING DATA SHALL BE SUBMITTED WITHIN ONE WEEK OF ANALYSIS WITH DOCUMENTS CONTAINING THE FOLLOWING INFORMATION: (1) PERMIT AND APPLICATION NUMBER; (2) DATES OF SAMPLING AND ANALYSIS; (3) A STATEMENT DESCRIBING THE METHODS USED IN COLLECTION. HANDLING, STORAGE AND ANALYSIS OF THE SAMPLES; (4) A MAP INDICATING THE SAMPLING LOCATIONS AND (5) A STATEMENT BY THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THE SAMPLING PROGRAM CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF THE DATA. MONITORING REPORTS SHALL ALSO INCLUDE THE FOLLOWING INFORMATION FOR EACH SAMPLE THAT IS TAKEN:
(A) TIME AND DAY SAMPLES TAKEN;
(B) DEPTH OF WATER BODY;
(C) DEPTH OF SAMPLES;
(D) ANTECEDENT WEATHER CONDITIONS;
(E) WIND DIRECTION AND VELOCITY

IF MONITORING REVEALS VIOLATIONS OF THE STATE WATER QUALITY STANDARD FOR TURBIDITY, CONSTRUCTION SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS. ANY SUCH OCCURRENCE SHALL ALSO BE IMMEDIATELY (WITHIN A 24 HOUR PERIOD) REPORTED TO THE LOCAL WATER MANAGEMENT DISTRICT.

12. MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

* ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF ANY STORM EVENT OF 0.50 INCHES OR GREATER.
* ALL TURBIDITY CONTROL 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-HALF THE HEIGHT OF THE FENCE.
* SILT FENCE WILL BE INSPECTED 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 THE 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, WHICHEVER COMES FIRST.
* DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
* TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
* A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM TO BE COMPLETED BY THE CONTRACTOR'S INSPECTOR. THE REPORTS WILL BE KEPT AT THE LOCATION INDICATED ON THE NOTICE OF INTENT (NOI) FDEP FORM 62-621.300(4)(B) DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND AND EROSION PLANS, OR STORMWATER MANAGEMENT PLANS. THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.
* THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.
* PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

13. CERTIFICATION STATEMENT

ALL CONTRACTORS AND SUBCONTRACTORS SHALL SIGN A COPY OF THE FOLLOWING CERTIFICATION STATEMENT BEFORE CONDUCTING ANY ACTIVITIES AT THE SITE.

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

RESPONSIBLE FOR/DUTIES	BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER OF CONTRACTOR & ALL SUBS	SIGNATURE AND TITLE
GENERAL CONTRACTOR		
SUB-CONTRACTOR		
SUB-CONTRACTOR		
SUB-CONTRACTOR		
SUB-CONTRACTOR		

4. POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, 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.

DATED:______________________________

SIGNED:____

TOWN OF MEDLEY PROJECT NO: PR-1301

REV.	BY	DATE	DESCRIPTION
1			
2			
3			
4			
5			
6			
7			
8			

ORIGINAL ISSUED DATE :

JOHN H. WILT, PE
FLORIDA REG. NO. 53233

DATE:

NOTICE:
The information in this document was prepared by ATKINS, INC. While ATKINS has taken all reasonable steps to assure the accuracy of the information contained in this document, it cannot guarantee that changes or alterations to this document will not be made by persons other than ATKINS personnel after the document leaves the possession of ATKINS. Changes or alterations may be safety related and result in damage to property, personal injury or death. If verification of the information contained in this document is needed, contact should be made directly with ATKINS.
This document must be compared to the original hard copy, with certified raised seal, if applicable, in order to insure the accuracy of the information contained therein and to further insure that no changes, alterations or modifications have been made to the document. No reliance should ever be made on a documentation transmitted or reviewed by computer or other electronic means unless it is first compared to the original. ATKINS makes no warranties, express or implied, concerning the accuracy of the information contained in any document transmitted or reviewed by computer or other electronic means.

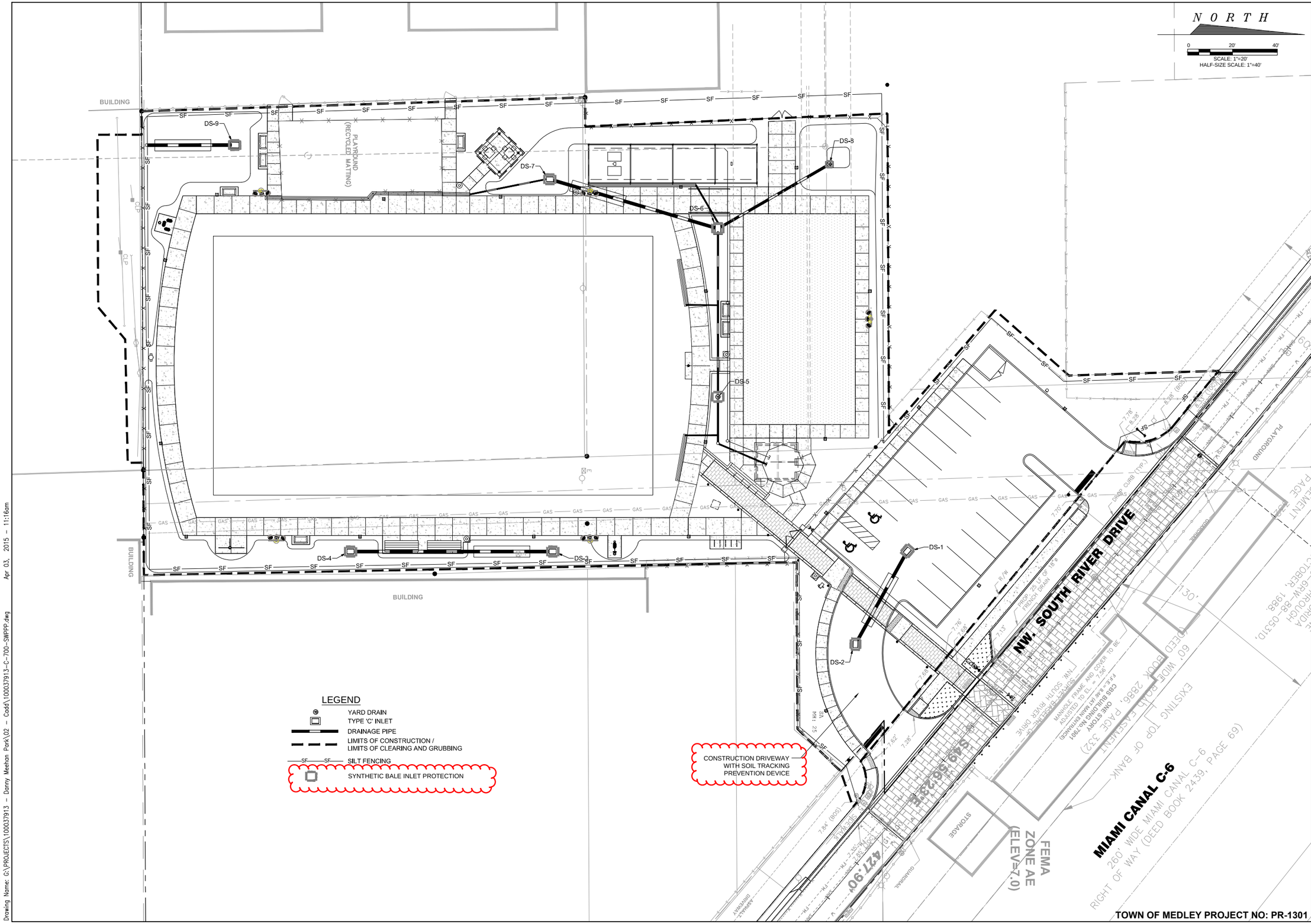
CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: SWPPP CONTRACTORS REQUIREMENTS

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	DRD
DESIGN:	JHW
CHECKED:	JHW
APPROVED:	JHW
SHEET NO.	C-700
REV.	△



TOWN OF MEDLEY PROJECT NO: PR-1301

THE TOWN OF MEDLEY FLORIDA

REV	DATE	DESCRIPTION
1		ORIGINAL ISSUED DATE :

JOHN H. WILT, PE
FLORIDA REG. NO. 53233
DATE:

NOTICE:
COPYRIGHT: This document and the design shown thereon are the property of ATKINS, Inc. While ATKINS has taken all reasonable precautions to ensure that the information contained in this document is current and accurate at the time of publication, it cannot be guaranteed. Persons using the information in this document do so at their own risk and ATKINS shall not be liable for any loss, damage or injury arising from such use. Any unauthorized use, modification, or reproduction of this document is strictly prohibited. ATKINS shall not be liable for any damage to property, personal injury or death. If verification of any information contained in this document is needed, contact should be made directly with ATKINS.
This document must be compared to the original signed and sealed version prior to any use in order to ensure the accuracy of the information contained herein. Any unauthorized alterations, changes, alterations or modifications made to this document or any documentation presented or transmitted in electronic media format shall, unless it is first compared to the original, ATKINS consenting to the acceptance of such changes, relieve ATKINS of responsibility for any errors or omissions contained in the transmitted documentation caused by omission or alleged inaccuracies.

CLIENT
TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

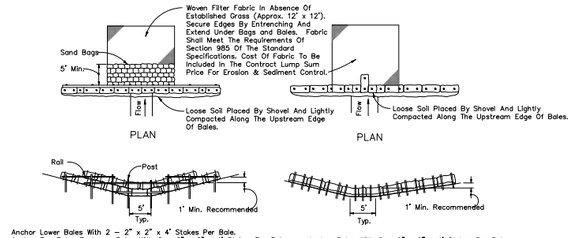
PROJECT
DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE
STORMWATER POLLUTION PREVENTION PLAN

ATKINS
CORPORATE OFFICE: 5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE: 482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	DRD
DESIGN:	JHW
CHECKED:	JHW
APPROVED:	JHW
SHEET NO.	C-701
REV.	△

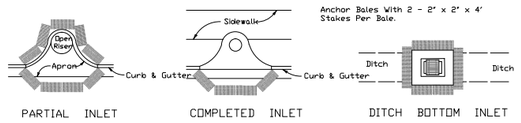
User Name: kasm6282
Drawing Name: G:\PROJECTS\100037913 - Danny Meehan Park\02 - Cadd\100037913-C-700-SWPPP.dwg
Apr 03, 2015 - 11:16am



BARRIER FOR UNPAVED DITCHES

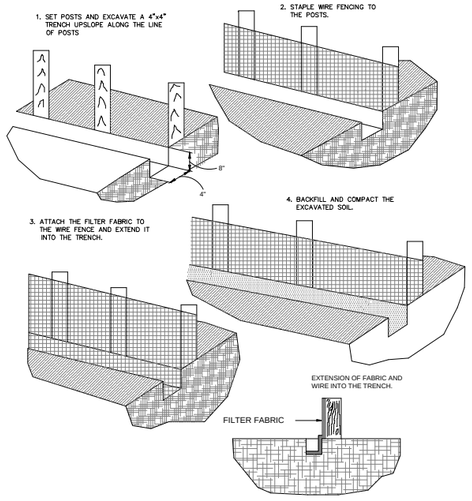
SYNTHETIC BALE BARRIERS TYPE I & II

N.T.S.



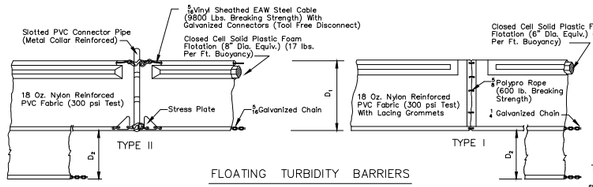
PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

N.T.S.

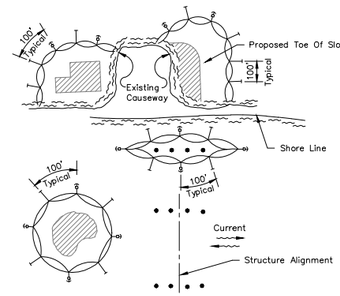


CONSTRUCTION DETAILS FOR SILT FENCES

N.T.S.

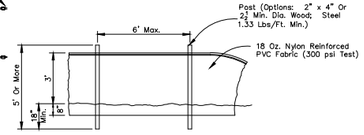


FLOATING TURBIDITY BARRIERS



TURBIDITY BARRIER APPLICATIONS

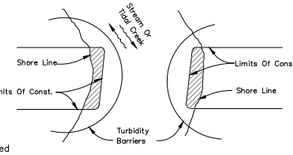
LEGEND
- Pile Locations
- Dredge Or Fill Area
- Mooring Buoy w/Anchor
- Anchor
- Barrier Movement Due To Current Action



STAKED TURBIDITY BARRIER

Notice:
components of types i & type ii may be similar or identical to proprietary designs. any infringement on the proprietary rights of the designer shall be the sole responsibility of the user. substitutions for types i and ii shall be as approved by the engineer.

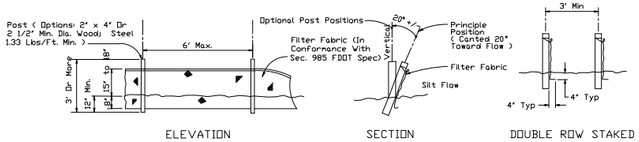
Note:
Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in the plans, however payment will be under the contract lump sum price established in the bid proposal for Erosion & Sediment Control Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.



NOTES:
1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
2. Number and spacing of anchors dependent on current velocities.
3. Deployment of barrier around pile locations may vary to accommodate construction operations.
4. Navigation may require segmenting barrier during construction operations.
5. For additional information see Section 104 of the FDOT Standard Specifications.

TURBIDITY BARRIERS

N.T.S.



Note: Silt Fence to be paid for under the contract lump sum price for Erosion and Sediment Control.

SILT FENCE TYPE III

N.T.S.

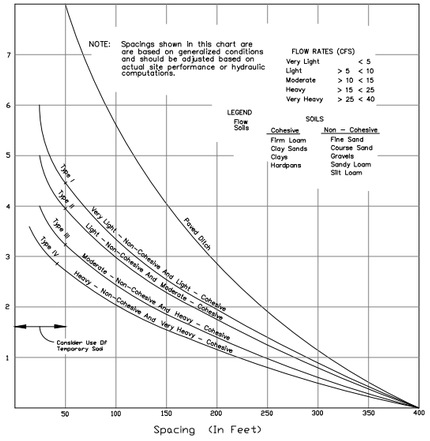


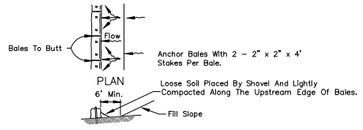
CHART I

RECOMMENDED SPACING FOR TYPE I AND TYPE II SYNTHETIC BALE BARRIERS, AND TYPE III AND TYPE IV SILT FENCES AND PAVED DITCH SYNTHETIC BALE BARRIERS

SPACING RECOMMENDATION FOR SILT FENCES & SYNTHETIC BALES

N.T.S.

NOTE:
WHERE FDOT SPECS AND INDEX ARE REFERENCED, PLEASE REFER TO FDOT ROADWAY & TRAFFIC DESIGN STANDARDS, AND FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, LATEST EDITION.

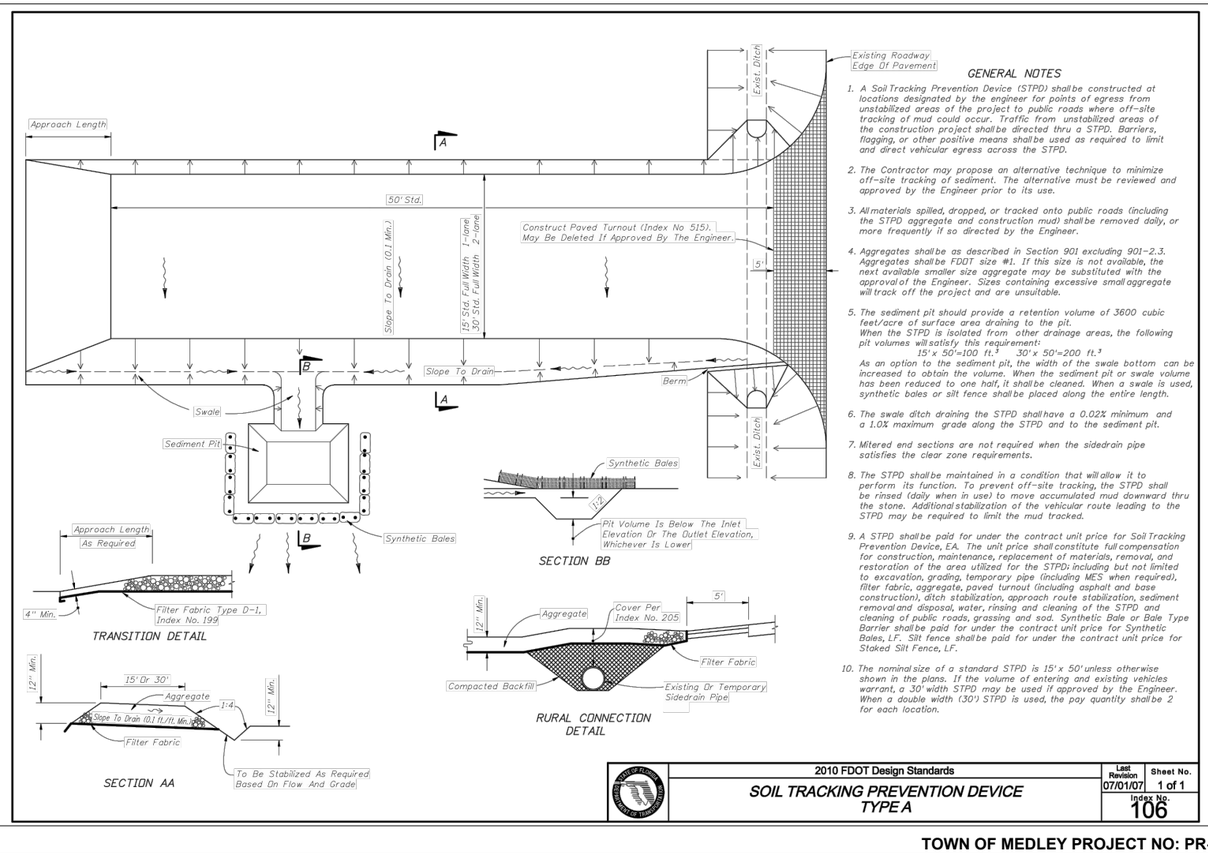


TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

BARRIERS FOR FILL SLOPES

SYNTHETIC BALE LOCATION

N.T.S.



GENERAL NOTES

1. A Soil Tracking Prevention Device (STPD) shall be constructed at locations designated by the engineer for points of egress from unstabilized areas of the project to public roads where off-site tracking of mud could occur. Traffic from unstabilized areas of the construction project shall be directed thru a STPD. Barriers, flogging, or other positive means shall be used as required to limit and direct vehicular egress across the STPD.
2. The Contractor may propose an alternative technique to minimize off-site tracking of sediment. The alternative must be reviewed and approved by the Engineer prior to its use.
3. All materials spilled, dropped, or tracked onto public roads (including the STPD aggregate and construction mud) shall be removed daily, or more frequently if so directed by the Engineer.
4. Aggregates shall be as described in Section 901 excluding 901-2.3. Aggregates shall be FDOT size #1. If this size is not available, the next available smaller size aggregate may be substituted with the approval of the Engineer. Sizes containing excessive small aggregate will track off the project and are unsuitable.
5. The sediment pit should provide a retention volume of 3600 cubic feet/acre of surface area draining to the pit. When the STPD is isolated from other drainage areas, the following pit volumes will satisfy this requirement:
   15' x 50'=100 ft.³ 30' x 50'=200 ft.³
   As an option to the sediment pit, the width of the swale bottom can be increased to obtain the volume. When the sediment pit or swale volume has been reduced to one half, it shall be cleaned. When a swale is used, synthetic bales or silt fence shall be placed along the entire length.
6. The swale ditch draining the STPD shall have a 0.02% minimum and a 1.0% maximum grade along the STPD and to the sediment pit.
7. Mitered end sections are not required when the sidedrain pipe satisfies the clear zone requirements.
8. The STPD shall be maintained in a condition that will allow it to perform its function. To prevent off-site tracking, the STPD shall be rinsed (daily when in use) to move accumulated mud downward thru the stone. Additional stabilization of the vehicular route leading to the STPD may be required to limit the mud tracked.
9. A STPD shall be paid for under the contract unit price for Soil Tracking Prevention Device, EA. The unit price shall constitute full compensation for construction, maintenance, replacement of materials, removal, and restoration of the area utilized for the STPD; including but not limited to excavation, grading, temporary pipe (including MES when required), filter fabric, aggregate, paved turnout (including asphalt and base construction), ditch stabilization, approach route stabilization, sediment removal and disposal, water, rinsing and cleaning of the STPD and cleaning of public roads, grassing and sod. Synthetic Bale or Bale Type Barrier shall be paid for under the contract unit price for Synthetic Bales, LF. Silt fence shall be paid for under the contract unit price for Staked Silt Fence, LF.
10. The nominal size of a standard STPD is 15' x 50' unless otherwise shown in the plans. If the volume of entering and existing vehicles warrant, a 30' width STPD may be used if approved by the Engineer. When a double width (30') STPD is used, the pay quantity shall be 2 for each location.

2010 FDOT Design Standards

SOIL TRACKING PREVENTION DEVICE TYPE A

Last Revision 07/01/07 | Sheet No. 1 of 1 | Index No. 106

TOWN OF MEDLEY PROJECT NO: PR-1301

THE TOWN OF MEDLEY INCORPORATED 1949 FLORIDA

REV	DATE	DESCRIPTION
A		ORIGINAL ISSUED DATE :

JOHN H. WILT, PE
FLORIDA REG. NO. 53233

DATE:

NOTICE:
This document and the electronic files prepared by ATKINS, INC. While ATKINS has taken all reasonable precautions to ensure that any intelligence contained in this document, is current and accurate, the reader is reminded that this document will not be made by persons other than those employed by ATKINS, or its sub-consultants or agents, without prior written permission of ATKINS. Changes or alterations to this document not carried out by ATKINS, may result in inaccuracies and inconsistencies. This document must be compared to the original signed and sealed version. Data shown on plots, drawings, allowances, contours, elevations, etc. are only indicative of the actual values and in order to insure the accuracy of the information contained in this document, all dimensions must be checked and verified on site. ATKINS will not be responsible for any changes, alterations or modifications have been made on or to documentation transmitted or otherwise made available electronically unless it is first compared to the original. ATKINS consents to the transmission of this document in electronic format only on the condition that it will not be used for any purpose not connected with the project described herein without the prior written consent of ATKINS. It is the responsibility of any person using data contained on electronic media supplied by ATKINS to verify its contents immediately after receipt. ATKINS will not be responsible for any use of the contents of this document for purposes other than those for which it was originally prepared and issued, nor for any unauthorised alterations to the data included in the document whether caused by the client or any third party. Any person using this document for any purpose other than that for which it was originally prepared and issued does so entirely at their own risk and indemnifies ATKINS against all claims, costs, damages and losses arising out of such use. Any such person using this document for any purpose other than that for which it was originally prepared and issued waives all rights against ATKINS for negligence or otherwise howsoever arising out of such use.

CLIENT

PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: SWPPP DETAILS

ATKINS
CORPORATE OFFICE: 5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE: 482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	DRD
DESIGN:	JHW
CHECKED:	JHW
APPROVED:	JHW
SHEET NO.	C-702
REV.	△

User Name: kasm6282
Drawing Name: G:\PROJECTS\100037913 - Danny Meehan Park\02 - Cadd\100037913-C-700-SWPPP.dwg Apr 03, 2015 - 11:16am

MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY

A PORTION OF TRACTS 18, 27, 28, 29, 30, AND 31 OF "FLORIDA FRUITLANDS COMPANY'S SUBDIVISION NO. 1", RECORDED IN PLAT BOOK 2, PAGE 17, MIAMI-DADE COUNTY RECORDS, LYING IN SECTION 5, TOWNSHIP 53 SOUTH, RANGE 40 EAST, TOWN OF MEDLEY, MIAMI-DADE COUNTY, FLORIDA

SURVEYOR'S NOTES:

SECTION 1) DATE OF FIELD SURVEY:

1. The date of completion of original field Survey was on April 02, 2014.

SECTION 2) GENERAL DESCRIPTION OF THE SURVEY AREA:

A Portion of Tracts 61 and 62 of FLORIDA FRUIT LANDS COMPANY'S SUBDIVISION No 1 of Section 11, Township 53 South, Range 40 East as Recorded in Plat Book 2, Page 17 of the Public Records of Miami–Dade County, Florida, more particularly described as follows:

Commence at a the SW Corner of said Tract 61; thence run N 89°43'00" E a distance of 499.94 feet to the POINT OF BEGINNING of the herein described parcel of land; thence run N 01°47'16" W a distance of 197.92 feet to a point of intersection with a line that lies 197.85 feet North of and parallel with the South line of said Tract 61; thence run N 89°43'00" E along said line that lies 197.85 feet North of and parallel with the South line of Tract 61, for a distance of 12.98 feet; thence run N 02°27'42" W a distance of 134.89 feet; thence run N 89°42'50" E a distance of 141.95 feet; thence run N 48°52'48" W a distance of 72.01 feet; thence run N 41°31'51" E a distance of 44.39 feet; thence run N 01°22'26" W a distance of 74.28 feet to the Southwesterly Right–of–Way line of NW South River Drive; thence run S 50°08'31" E along the said Southwesterly Right–of–Way line of NW South River Drive a distance of 244.77 feet; thence run S 89°42'54" W a distance of 32.61 feet; thence run S 49°41'08" E a distance of 29.85 feet; thence run S 44°22'58" W a distance of 27.06 feet; thence run S 89°42'54" W a distance of 74.22 feet; thence run S 01°06'22" E a distance of 291.18 feet to a point of intersection with the South line of said Tract 61; thence run S 89°43'00" W a distance of 206.88 feet; to the POINT OF BEGINNING.

Said lands containing 86,021 Square Feet and 1.975 Acres more or less and lying and being in the Town of Medley, Miami Dade County, Florida.

Folio No.: 22–3011–002–1242, 22–3011–002–1323, 22–3011–002–1325, 22–3011–002–1243

SECTION 3) ACCURACY:

The accuracy obtained by field measurement methods and office calculations of closed geometric figures meets and exceeds the Minimum Technical Standards requirement for this type of survey as defined in Rule 5J–17.051, Florida Administrative Code.

Elevations of well identified features as depicted on the Survey Map were measured to an estimated vertical position accuracy of 1/100 of a foot on hard surfaces and 1/10 of a foot on ground surfaces.

Well identified features as depicted on the Survey Map were measured to an estimated horizontal position accuracy of 1/10 of a foot.

This Map of Survey is intended to be displayed at a scale of 1"=40' or smaller.

SECTION 4) SOURCES OF DATA:

North arrow direction is based on an assumed Meridian.

Bearings as shown hereon are based upon the Florida State Plane Coordinates, Florida East Zone, North American Datum (NAD) of 1983 adjustment of National Geodetic Survey–Cors 1996 (NAD86/CORS96).

This property appears to be located in Flood Zones "X", "AH" (Base Flood Elevation =7.0) and "AE" (Base Flood Elevation=7.0) with a Base Flood Elevation of 7.0 Feet, as per Federal Emergency Management Agency (FEMA) Community Number 120649 (Town of Medley), Map Panels No. 12086C0281 and 12086C077 Suffix L, Map Revised Date: September 11, 2009.

Plat of "FLORIDA FRUIT LAND'S COMPANY SUBDIVISION", recorded in Plat Book 2, at Page 17, Public Records of Miami–Dade County Florida.

LEGEND:

DRWY	= DRIVEWAY	P.G.	= PAGE	T	= TELEPHONE MANHOLE
D.M.E.	= DRAINAGE MAINTENANCE EASEMENT	P.O.B.	= POINT OF BEGINNING	D	= DRAINAGE MANHOLE
C.M.E.	= CANAL MAINTENANCE EASEMENT	℄	= PROPERTY LINE	S	= SANITARY SEWER MANHOLE
UE	= UTILITY EASEMENT	N.T.S.	= NOT TO SCALE	T.B.M.	= TEMPORARY BENCH MARK
A	= ARC DISTANCE	+8.58	= ELEVATION	PM	= PARKING METER
BLDG.	= BUILDING		= WATER OUTLET		= FLAG POLE
C.B.	= CATCH BASIN	BL.	= BLOCK	F.F.E.	= FINISH FLOOR ELEVATION
C.B.S.	= CONCRETE BLOCK STRUCTURE		= CLEANOUT	S.I.R.	= SET IRON REBAR
CH.	= CHORD DISTANCE	M	= MONUMENT LINE	P.O.C.	= POINT OF COMMENCEMENT
C	= CALCULATED VALUE		= DRAINAGE CATCH BASIN	F.N.	= FOUND NAIL
(C)	= CLEAR	△	= CENTRAL ANGLE	P.T.	= POINT OF TANGENCY
℄	= CENTER LINE		= TRAFFIC SIGN	E.N.C.	= ENCROACHMENT
CONC.	= CONCRETE		= CATCH BASIN (INLET)	F.H.	= FIRE HYDRANT
P.R.C	= POINT OF REVERSE CURVE		= MAST ARM	F.I.P.	= FOUND IRON PIPE
P.C.	= POINT OF CURVATURE		= UTILITY POLE	F.I.R.	= FOUND IRON REBAR
F.N.D.	= FOUND NAIL/DISK		= GUY POLE	L.F.E.	= LOWEST FLOOR ELEVATION
P.C.C.	= POINT OF COMPOUND CURVE	LP	= CONCRETE LIGHT POLE	LP	= LIGHT POLE
℄	= BASELINE			(M)	= MEASURED VALUE
N.G.V.D.	= NATIONAL GEODETIC VERTICAL DATUM	PP	= CONCRETE POWER POLE	(R)	= RECORD VALUE
INV. EL.	= INVERT ELEVATION		= FIRE HYDRANT		= RIGHT OF WAY LINE
P.B.	= PLAT BOOK	E	= ELECTRIC BOX		= PROPERTY LINE
P.C.P.	= PERMANENT CONTROL POINT	CATV	= CABLE TV BOX		= EASEMENT LINE
CMP	= CORRUGATED METAL PIPE	WPB	= WIRE PULL BOX		= IRON FENCE
P.I.	= POINT OF INTERSECTION	WV	= WATER VALVE		= WOOD FENCE
B/C	= BLOCK CORNER	SWV	= SEWER VALVE		= CHAIN LINK FENCE
R	= RADIUS	MLP	= METAL LIGHT POLE		= OVERHEAD UTILITY LINE
RAD.	= RADIAL	W	= WATER MANHOLE		= BRICK / TILE
RES.	= RESIDENCE				= CONCRETE / PAVEMENT
R/W	= RIGHT OF WAY				= GRAVEL / CBS WALL
SEC.	= SECTION				
S.I.P.	= SET IRON PIPE				
T.O.P.	= TOP OF PIPE				
SWK	= SIDEWALK				

BID SET

Plat of "MEDLEY GARDEN HEIGHTS", recorded in Plat Book 59, at Page 79, Public Records of Miami–Dade County Florida.

Centerline of Miami Canal C–6 per Baseline Control Survey prepared for SOUTH FLORIDA WATER MANAGEMENT DISTRICT, sheets 9 through 12 of 21 sheets in total, File No. C–6RW–88–0531D, Drawing NO. C–6–5, last dated OCTOBER, 1988.

All elevations shown hereon are based on the National Geodetic Vertical Datum of 1929, as per the following Miami–Dade County Benchmarks:

1. Benchmark: N–911. Elevation: + 13.80 feet.
Located at Dade County Brass Disk in sidewalk at NW corner of bridge over Miami River Canal C–6 (NW 72 Ave), Miami–Dade County, Florida.

2. Benchmark: H–335–1. Elevation: + 13.32 feet.
Located at Dade County Brass Bar in SE corner of bridge over Miami River Canal C–6
NW. 67 Avenue – Just East of and N Royal Poinciana Blvd – 15 feet North of Centerline, Miami–Dade County, Florida.

For Horizontal Control:

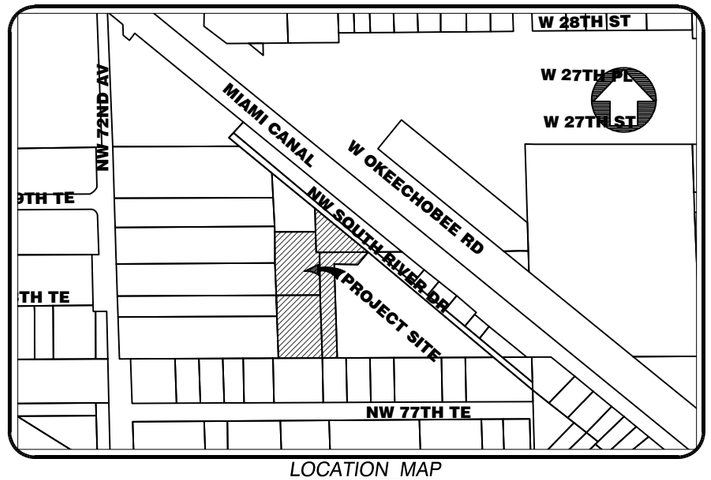
The following Horizontal Control Data were obtained from the Florida Permanent Network Web Site (a Florida Reference Station Service Provider, www.myfloridagps.com).

Florida Permanent Network Control Stations:

Name: MIAMI 6 (MIAMI)
Code: MIAMI
Geographic Coordinates:
Latitude: 25°30' 03.79601" N
Longitude: 80°33' 00.43281" W
State Plane Coordinates:
Northing: 509,427.49 US Feet
Easting: 931,640.11 US Feet
Creation Date: 08–02–2010
Receiver Type: TRIMBLE NETRS
Satellite System: GPS Only
Coverage Radius: 30 km

Name: MIAMI 3 (RICHMOND)
Code: RMND
Geographic Coordinates:
Latitude: 25°36' 49.58922" N
Longitude: 80°23' 02.14116" W
State Plane Coordinates:
Northing: 465,790.41 US Feet
Easting: 859,175.16 US Feet
Creation Date: 08–02–2010
Receiver Type: LEICA GRX1200PRO
Satellite System: GPS Only
Coverage Radius: 30 km

SECTION 5 - TOWNSHIP 53 SOUTH - RANGE 40 EAST



LOCATION MAP

NOT TO SCALE

SECTION 5) LIMITATIONS:

As to the determination of tree, palm and planting species falls outside the purview of the land surveying practice, all information with respect to same is hereby presented for informational purposes only.

Since no other information was furnished other than that is cited in the Sources of Data, the Client is hereby advised that there may be legal restrictions on the Subject Property that are not shown on the Survey Map that may be found in the Public Records of Miami–Dade County.

The Surveyor makes no representation as to ownership or possession of the Subject Property by any entity or individual that may appear on the Public Records of this County.

No excavation or determination was made as to how the Subject Property is served by utilities.

No improvements were located, other than those shown. No underground foundations, improvements and/or utilities were located or shown hereon.

SECTION 6) CLIENT INFORMATION:

This Boundary and Topographic Survey was prepared at the insistence of and certified to:

TOWN OF MEDLEY

SECTION 7) SURVEYOR'S CERTIFICATE:

I hereby certify: That this "Boundary and Topographic Survey" and the Survey Map resulting therefrom was performed under my direction and is true and correct to the best of my knowledge and belief and further, that said "Boundary and Topographic Survey" meets the intent of the applicable provisions of the "Minimum Technical Standards for Land Surveying in the State of Florida", pursuant to Rule 5J–17.051 through 5J–17.052 of the Florida Administrative Code and its implementing law, Chapter 472.027 of the Florida Statutes.

HADONNE CORP, a Florida Corporation
Florida Certificate of Authorization Number LB7097

By: _____
Abraham Haddad, PSM
Registered Surveyor and Mapper LS6006
State of Florida

Signature Date:

NOTICE: Not valid without the signature and original raised seal of a Florida Licensed Surveyor and Mapper. Additions or deletions to Survey Maps by other than the signing party are prohibited without the written consent of the signing party.

HADONNE CORP LB7097
PROFESSIONAL LAND SURVEYORS AND MAPPERS
8700 West Flagler Street, Suite 420, Miami, Florida, 33174
phone: 305.266.1188 fax: 305.207.6845 www.hadonne.com

MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY
for
TOWN OF MEDLEY
of
DANNY MEEHAN PARK, TOWN OF MEDLEY, FL, 33166

REVISIONS
1–
2–
3–
4–
5–
6–
7–
8–
9–
10–
11–
12–
13–
14–
15–
16–
17–
18–
19–

Job No:	09041
Drawn:	MJL/MG
Checked:	RI
Scale:	AS SHOWN
Field Book:	88-24

MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY

BID SET

NORTH

0 20 40

SCALE
1" = 40'

POINT OF COMMENCEMENT SW CORNER OF TRACT 61 "FLORIDA FRUIT LAND COMPANY'S SUBDIVISION No. 1" PB.-2 PG.-17

FOUND 1/2" IRON PIPE (NO CAP)

POINT OF BEGINNING FOUND 1/2" IRON PIPE (NO CAP) 0.55'(W) 0.48'(N)

N89°43'00"E 499.94'

PORTION OF TRACT 61 "FLORIDA FRUIT LAND COMPANY'S SUBDIVISION No. 1" PB.-2 PG.-17

TOWN OF MEDLEY TOWN HALL

N01°47'16"W 197.92'

BENCH

8' HIGH METAL FENCE

FOUND 5/8" IRON REBAR (NO CAP) 0.51'(W) 0.24'(N)

BUILDING

RAMP

N02°27'42"W 134.89'

SET 5/8" IRON REBAR WITH CAP (LB # 7097)

22' WIDE ACCESS, INGRESS EASEMENT

GRANT OF WAY NECESSITY O.R.B. 24999 PG. 2463

NORTH LINE TRACT 61

N89°42'50"E 141.95'

PORTION OF TRACT 62 PB.-2 PG.-7

FEMA ZONE AH (ELEV=7.0)

SET 5/8" IRON REBAR WITH CAP (LB # 7097)

SET N&D (ID # 7097)

N01°22'26"W 74.28'

N45°52'48"W 72.01'

N41°37'12"E 44.30'

60'

130'

FEMA ZONE X

ASPHALT

"DANNY MEEHAN PARK"

BASKETBALL COURT

ONE STORY CBS

PARKING SPACES

SPRING MOTION

GUARDRAIL

PLAYGROUND

22-3011-002-1280

22-3011-002-1281

6' HIGH CHAIN LINK FENCE

12' HIGH CHAIN LINK FENCE

6' HIGH IRON FENCE

SOUTH 1/2 OF TRACT 62

S89°43'00"W 206.88'

SOUTH LINE TRACT 61

PLAYGROUND (RECYCLED MATTING)

BLEACHERS

ASPHALT

6' GATE

WATER FOUNTAIN

6' HIGH CHAINLINK FENCE

DUGOUT TYP.

BASEBALL FIELD (CLAY)

GRASS

A PORTION OF PARCEL "A" WARRANTY DEED (O.R.B. 23367, PG. 2278)

PARCEL LINE WARRANTY DEED (O.R.B. 23367, PG.2278)

LINE 197.85' NORTH OF AND PARALLEL WITH THE SOUTH LINE OF TRACT 61

PORTION OF TRACT 61 PB.-2 PG.-17 "FLORIDA FRUIT LAND COMPANY'S SUBDIVISION No. 1"

EASTERLY LINE OF THE W 1/2 OF TRACT 61

OVERHEAD WIRES

WARRANTY DEED O.R.B. 4335 PG. 350

FINAL JUDGEMENT O.R.B. 4168 PG. 129

COVENANT RESOLUTION O.R.B. 9856 PG. 1221

A PORTION OF PARCEL "B" (O.R.B. 23367, PG. 2279)

SET 5/8" IRON REBAR WITH CAP (LB # 7097)

BURIED ELECTRICAL LINE (1-1.5' DEEP)

S01°48'05"E 197.92'

CENTER LINE OF A RIGHT OF WAY PIPE LINE O.R.B. 770 PG. 398

BURIED PETROLEUM LINE (3'-3.5' DEEP)

S01°06'22"E 291.18'

221.2

FOUND 1/2" IRON REBAR (NO CAP)

S89°42'54"W 74.22'

S89°42'54"W 32.61'

S44°27'08"E 27.06'

S49°41'08"E 50.85'

FOUND 1/2" IRON REBAR (NO CAP)

RIM ELEV=6.07' (22" CMP) DOWN PIPE INVE.=2.96' BOTTOM ELEV.=2.96

DUMPSTER

WALL

8 PARKING SPACE

1 HANDICAP PARKING SPACE

SET N&D (ID # 7097)

S45°52'48"E 224.77'

ASPHALT PAVEMENT

SOUTH RIVER DRIVE

S50°08'31"E

19.7'±

S49°56'12"E

"TOBIE WILSON PARK"

SURVEY BASELINE OF NW SOUTH RIVER DRIVE

CBS BUILDING No.7301 & ONE STORY CBS BUILDING No.7305 F.F.E.=8.48' (AT MAIN ENTRANCE)

SPEED HUMP

3 CONC WALK

60' WIDE ROAD EASEMENT (DEED BOOK 2886, PAGE 332)

OF BANK

260' WIDE MIAMI CANAL C-6 (DEED BOOK 2439, PAGE 69) RIGHT OF WAY

MIAMI CANAL C-6

CENTERLINE OF MIAMI CANAL C-6 PER BASELINE CONTROL SURVEY PREPARED FOR SOUTH FLORIDA WATER MANAGEMENT DISTRICT,SHEETS 9 THROUGH 12 OF 21 SHEETS IN TOTAL, FILE No: C-6RW-88-0531D, DRAWING No: C-6-5, LAST DATED OCTOBER, 1988.

60' WIDE ROAD EASEMENT (DEED BOOK 2886, PAGE 332)

HADONNE CORP. LB7097
PROFESSIONAL LAND SURVEYORS AND MAPPERS
8700 West Flagler Street, Suite 420, Miami, Florida, 33174
phone: 305.266.1188 fax: 305.207.6845 www.hadonne.com

MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY
for
TOWN OF MEDLEY
of
DANNY MEEHAN PARK, TOWN OF MEDLEY, FL, 33166

REVISIONS
1–
2–
3–
4–
5–
6–
7–
8–
9–
10–
11–
12–
13–
14–
15–
16–
17–
18–
19–

Job No.:	09041
Drawn:	MJL/MG
Checked:	RI
Scale:	AS SHOWN
Field Book:	88-24

2/2

TREES	BOTANICAL NAME / COMMON NAME	CAL	SIZE	QTY
	Conocarpus erectus / Green Buttonwood Standard	2"	10` Ht. x 5` Spr.	6
	Conocarpus erectus sericeus / Silver Button Wood	2"	8` Ht. x 5` Spr.	2
	Quercus virginiana / Live Oak	2.5"	14` Ht. x 6` Spr.	6
FLOWERING TREES	**BOTANICAL NAME / COMMON NAME**	**CAL.**	**SIZE**	**QTY**
	Lagerstroemia speciosa / Queen`s Crape Myrtle	2.5"	12` Ht. x 6` Spr.	2
	Tabebuia heterophylla / Pink Trumpet Tree	2"	10` Ht. x 5` Spr.	14
PALM TREES	**BOTANICAL NAME / COMMON NAME**	**CAL.**	**SIZE**	**QTY**
	Caryota mitis / Fishtail Palm	-	6` Ht. x 4` Spr.	52
	Veitchia montgomeryana / Montgomery Palm	-	10` GW	10
	Washingtonia robusta / Washington Palm Stagger heights per plan	-	8` - 16` CT	12

SHRUBS	BOTANICAL NAME / COMMON NAME	SIZE	SPACING	QTY
	Cordyline fruticosa / Ti Plant 3 canes minimum	4` OA	Per plan	6
	Podocarpus macrophyllus / Yew Pine	36" Ht. x 18" Spr.	36"	63
SHRUB AREAS	**BOTANICAL NAME / COMMON NAME**	**SIZE**	**SPACING**	**QTY**
	Chrysobalanus icaco `Red Tip` / Red Tip Cocoplum	16" x 16"	30"	30" o.c. 238
	Dianella tasmanica / Flax Lily	8" x 8"	18"	18" o.c. 509
	Ficus microcarpa `Green Island` / Green Island Ficus	14" x 14"	24"	24" o.c. 399
	Nephrolepis cordifolia / Sword Fern	10" x 8"	18"	18" o.c. 1,715
SOD/SEED	**BOTANICAL NAME / COMMON NAME**	**CONT**	**SPACING**	**QTY**
	Paspalum notatum / Bahiagrass	sod	-	7,940 sf

2 PLANTING SCHEDULE

BID SET

SYMBOL	TYPE	DESCRIPTION	FINISH	COLOR	MANUFACTURER	NOTES
PAVING						
	PAVING A	6" THK. FIBERMESH REINFORCED STANDARD CONCRETE DESIGNED FOR VEHICULAR SERVICE ACCESS	SPONGE FLOAT FINISH	STANDARD GRAY	N/A	RE: CIVIL DRAWINGS FOR TYP. CONSTRUCTION AND JOINTING DETAILS. SEE L-101 AND L-151 FOR JOINTING LAYOUT
	PAVING B	4" THK. FIBERMESH REINFORCED STANDARD CONCRETE	SPONGE FLOAT FINISH	STANDARD GRAY	N/A	RE: CIVIL DRAWINGS FOR TYP. CONSTRUCTION AND JOINTING DETAILS. SEE L-101 AND L-151 FOR JOINTING LAYOUT
	PAVING C	4" THK. FIBERMESH REINFORCED STANDARD GRAY CONCRETE WITH ACRYLOTEX LA COURT SURFACING AND PLEXI-COLOR TEXTURED LINE PAINT	LIGHT BROOM FINISH	CONC.: STANDARD GRAY SURFACING: AUSTRALIAN OPEN TRUE BLUE LINES: WHITE	CALIFORNIA PRODUCTS CORPORATION 978.623.9980 www.plexipave.com	INSTALL AS PER MANUF.SPECS.
	PAVING D	ASPHALT PAVING	N/A	N/A	N/A	RE: CIVIL DRAWINGS
	PAVING E	2 ½" THK. BRICK PAVER FOR PEDESTRIAN WALK IN RUNNING BOND PATTERN.	ENGLISH EDGE	RED	PINE HALL BRICK, 800.334.8689 www.pinehallbrick.com	PEDESTRIAN BRICK PAVERS FOR LASER ENGRAVED DONOR BRICK PROGRAM. INSTALL PER MANUF. SPECS.
	PAVING F	2 ½" THK. BRICK PAVER FOR CROSSWALK IN VEHICULAR USE AREAS WITH 90 DEGREE HERRINGBONE PATTERN AND SAILOR COURSE BORDER	ENGLISH EDGE	DARK ACCENT	PINE HALL BRICK, 800.334.8689 www.pinehallbrick.com	PAVERS FOR CROSSWALKS IN VEHICULAR USE AREAS ONLY. FOR FURTHER LAYOUT PATTERN INFO. SEE DETAILS. INSTALL PER MANUF. SPECS.
	PAVING G	12" WIDE FLUSH CONCRETE BAND. DEPTH: 6" AT PEDESTRIAN USE AREAS, 12" AT CROSSWALKS W/IN VEHICULAR USE AREAS.	SPONGE FLOAT FINISH	STANDARD GRAY	N/A	SEE PLANS FOR LOCATIONS.
	PAVING H	12" WIDE FLUSH CONCRETE BAND. DEPTH: 12" AT CROSSWALKS W/IN VEHICULAR USE AREA.	SPONGE FLOAT FINISH	STANDARD GRAY	N/A	SEE PLANS FOR LOCATIONS.
STRUCTURE/FURNISHINGS						
	PICNIC SHELTER	GABLE ROOF 16x16 STANDING SEAM ROOF OVER T&G W/ 12:12 PITCH. MODEL #E1-REK-16x16-TGSS-52273 POST ANCHORING: FIXED BASE W/O CONCEALING SLAB.	ROOF: 24 GA. STANDING SEAM METAL T&G WOOD ROOF DECK FRAME: POWDER COAT FINISH	ROOF: GALVALUME PLUS T&G STAIN: NATURAL #209 FRAME: GREYSTONE	MANUF.: POLIGON REP: REP SERVICES, INC. 407.831.9658	CONTRACTOR TO SUBMIT SHOP DWGS. FOR SHELTER COMPONENTS, CONSTRUCTION AND INSTALLATION FOR REVIEW AND APPROVAL BY OWNER'S REP.
	PICNIC TABLE A	ITEM #BH1841R BEACON HILL RECYCLED PLASTIC TABLE W/ 4 FLAT SEATS	RECYCLED PLASTIC LUMBER POWDER COAT METAL COMPONENTS	FRAME COLOR: PEWTER SLAT COLOR: CEDAR	MANUF.: ANOVA REP: REP SERVICES, INC. 407.831.9658	SURFACE MOUNT. ASSEMBLE AND INSTALL AS PER MANUF. SPECS. RE: 2/L151 FOR LAYOUT INFO.
	PICNIC TABLE B	ITEM #BH1831R BEACON HILL RECYCLED PLASTIC ADA TABLE W/ 3 FLAT SEATS	RECYCLED PLASTIC LUMBER POWDER COAT METAL COMPONENTS	FRAME COLOR: PEWTER SLAT COLOR: CEDAR	MANUF.: ANOVA REP: REP SERVICES, INC. 407.831.9658	SURFACE MOUNT. ASSEMBLE AND INSTALL AS PER MANUF. SPECS. RE: 2/L151 FOR LAYOUT INFO.
	BLEACHER	#LDLW 3-ROW LOW RISE DURA LITE WELDED PORTABLE BLEACHER. 15' LENGTH	ALUMINUM	N/A	OUTDOOR ALUMINUM, INC. 800.225.4249 www.outdooraluminum.com	ASSEMBLE AND INSTALL PER MANUF. SPECS. RE: 3/L151 FOR LAYOUT INFO.
	BENCH	ITEM #RCPMC6 MADISON 6' RECYCLED PLASTIC CONTOUR BENCH	RECYCLED PLASTIC LUMBER POWDER COAT METAL COMPONENTS	FRAME COLOR: PEWTER SLAT COLOR: CEDAR	MANUF.: ANOVA REP: REP SERVICES, INC. 407.831.9658	SURFACE MOUNT. ASSEMBLE AND INSTALL AS PER MANUF. SPECS. RE: 4/L151 FOR TYP. LAYOUT INFO.
	WASTE RECEPTACLE	ITEM #TR35DT WOODWIND 35 GALLON RECYCLED PLASTIC RECEPTACLE W/ OPEN HOOD TOP	RECYCLED PLASTIC LUMBER POWDER COAT METAL COMPONENTS	FRAME & LID: PEWTER SLAT COLOR: CEDAR	MANUF.: ANOVA REP: REP SERVICES, INC. 407.831.9658	SURFACE MOUNT. ASSEMBLE AND INSTALL AS PER MANUF. SPECS.
	FLAG POLE	ALUMINUM FLAG POLE. 25' EXPOSED HT. INDEPENDENCE CABLE-BASED INTERNAL HALYARD SYSTEM. EMBEDDED MOUNTING. FC-11 FLASH COLLAR. 6" BUTT DIA. AND .188 WALL THICKNESS.	POWDER COAT FINISH	GRAY TO MATCH SPECIFIED PEWTER COLOR	MANUF.: CONCORD INDUSTRIES, INC. 800.527.3902. www.concordindustries.com	INSTALL AS PER MANUF. REQUIREMENTS. INSTALLED POLE AND FLAG TO MEET WIND LOAD REQUIREMENTS.
	BICYCLE PARKING	ITEM #CIRCLEBR CIRCLE POWDER COATED BIKE RACK	POWDER COAT FINISH	GRAY TO MATCH SPECIFIED PEWTER COLOR	MANUF.: ANOVA REP: REP SERVICES, INC. 407.831.9658	SURFACE MOUNT. ASSEMBLE AND INSTALL AS PER MANUF. SPECS. RE: 5/L151 FOR LAYOUT INFO.
	BASKETBALL GOAL	POLE: REINF. CONC. #TF7175 BACKBOARD: 54" x 39" RECTANGULAR #TF7172 RIM: #TF7174 W/ SUPPLIED NET	POLE: SMOOTH/STAINED E-1 BACKBOARD: CAST ALUMINUM RIM: POWDER COATED STEEL	POLE: SMOOTH/STAINED E-1 BACKBOARD: WHITE PER MANUF. RIM: POWDER COAT PER MANUF.	MANUF.: WAUSAU TILE, INC. 800.388.8728. www.wausautile.com	INSTALL AS PER MANUF. SPECS. SEE SHEET L153 FOR ADDITIONAL DETAILS.
	PORTABLE BASKETBALL GOAL	XL BASE, 52" STEEL-FRAMED SHTPF, POWER LIFT (ELITE) MODEL #90228	POWDER COAT FINISH METAL COMPONENTS	BLACK	LIFETIME STORE, 800.225..3865 www.lifetime.com	ASSEMBLE PER MANUF. SPECS.
	VOLLEYBALL	#2216-00G 3.5" O.D. COMPETITION POSTS (2) W/FIXED EYES AND ROPE CLAMPS. #8362-20 COMPETITION NET W/TOP ROPE/BOTTOM ROPE TIES. #8303-24 3.5" O.D. GROUND SLEEVE, HINGED CAP	POWDER COAT FINISH METAL COMPONENTS	BLACK	MANUF.: PW ATHLETIC MFG. CO. REP: SITE HORIZONS 407.641.0241	ASSEMBLE AND INSTALL PER MANUF. SPECS. VOLLEYBALL POSTS AND NET TO BE REMOVABLE SYSTEM.
	BATTING CAGE	PREMIUM #42 KVX200 PACKAGE. SIZE: 12'H x 14'W x 70'L	POWDER COAT FINISH METAL COMPONENTS	BLACK	MANUF.: BATTING CAGES, INC. 800.463.6865. www.battingcagesinc.com	ASSEMBLE AND INSTALL PER MANUF. SPECS.
	FITNESS STATION A	HEALTHBEAT AB CRUNCH/LEG LIFT #161314	POWDER COAT FINISH METAL COMPONENTS	GRAY TO MATCH SPECIFIED PEWTER COLOR	MANUF: LANDSCAPE STRUCTURES, INC. REP: REP SERVICES, INC. 407.831.9658	ASSEMBLE AND INSTALL PER MANUF. SPECS.
	FITNESS STATION B	HEALTHBEAT ASSISTED ROW/PUSH-UP #161316	POWDER COAT FINISH METAL COMPONENTS	GRAY TO MATCH SPECIFIED PEWTER COLOR	MANUF: LANDSCAPE STRUCTURES, INC. REP: REP SERVICES, INC. 407.831.9658	ASSEMBLE AND INSTALL PER MANUF. SPECS.
	FITNESS STATION C	HEALTHBEAT PLYOMETRICS #16131	POWDER COAT FINISH METAL COMPONENTS	GRAY TO MATCH SPECIFIED PEWTER COLOR	MANUF: LANDSCAPE STRUCTURES, INC. REP: REP SERVICES, INC. 407.831.9658	ASSEMBLE AND INSTALL PER MANUF. SPECS.
WALL, FENCING AND GATES						
	RETAINING WALL	DIAMOND 10D STRAIGHT FACE RETAINING WALL SYSTEM WITH CAP.	STRAIGHT FACE UNIT AND CAP	WHEAT	MANUF.: ANCHOR BLOCK CO. REP: OLDCASTLE COASTAL www.oldcastlecoastal.com, 305.216.0947	INSTALL AS PER MANUF. SPECS.
	FENCE	ECHELON II INDUSTRIAL ORNAMENTAL ALUMINUM FENCE. 6' HT. MAJESTIC STYLE 3-RAIL.	POWDER COAT FINISH	BLACK	AMERISTAR FENCE PRODUCTS, INC. www.ameristarfence.com, 888.333.3422	INSTALL AS PER MANUF. SPECS.
	GATE A	ECHELON II INDUSTRIAL ORNAMENTAL ALUMINUM DOUBLE SWING GATE. 5' WIDTH X 6' HT. EACH GATE. MAJESTIC STYLE 3-RAIL.	POWDER COAT FINISH	BLACK	AMERISTAR FENCE PRODUCTS, INC. www.ameristarfence.com, 888.333.3422	GATE OPENING WIDTH: 10'-0". MOUNT GATES TO POSTS AS PER MANUF. SPECS. GATE TO INCLUDE LOCK MECHANISM ASSEMBLY AND CANE BOLT BOTH LEAFS.
	GATE B	ECHELON II INDUSTRIAL ORNAMENTAL ALUMINUM DOUBLE SWING GATE. 6' WIDTH X 6' HT. EACH GATE. MAJESTIC STYLE 3-RAIL.	POWDER COAT FINISH	BLACK	AMERISTAR FENCE PRODUCTS, INC. www.ameristarfence.com, 888.333.3422	GATE OPENING WIDTH: 12'-0". MOUNT GATES TO POSTS AS PER MANUF. SPECS. GATE TO INCULDE LOCK MECHANISM ASSEMBLY.

1 MATERIALS/FURNISHINGS SCHEDULE

GENERAL NOTES

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN PROPER PERMITS FOR HIS WORK.
2. ALL WORK, MATERIAL AND EQUIPMENT UTILIZED SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL GUIDELINES AND BUILDING CODES.
4. THE CONTRACTOR SHALL VERIFY AND STAKE ALL UTILITIES PRIOR TO CONSTRUCTION.
5. THE CONSTRUCTION SITE SHALL BE LEFT CLEAN AND FREE FROM DEBRIS AT THE END OF EACH WORK DAY. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PREPARING AND MAINTAINING ALL CONSTRUCTION AREAS FREE OF HAZARDOUS MATERIALS THROUGHOUT THE CONSTRUCTION PROCESS
6. THE CONTRACTOR SHALL APPLY FOR, OBTAIN AND PAY FOR ALL REQUIRED PERMITS, UNLESS OTHERWISE SPECIFIED.PERMITS SHALL BE POSTED ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS.
7. ALL WORK, MATERIAL AND EQUIPMENT UTILIZED SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS AND /OR APPROVED SHOP DRAWINGS.
8. ALL WORK FOR THIS PROJECT SHALL CONFORM TO STANDARDS PUBLISHED BY RECOGNIZED PROFESSIONAL AND INDUSTRY ORGANIZATIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND BECOMING FAMILIAR WITH ALL EXISTING CONDITIONS AFFECTING THE WORK PRIOR TO BIDDING.
10. THE CONTRACTOR SHALL SEEK CLARIFICATION PRIOR TO BIDDING OF ANY DISCREPANCIES BETWEEN THE LANDSCAPE ARCHITECTURAL, CIVIL, ET AL DRAWINGS. THE MOST STRINGENT REQUIREMENTS SHALL APPLY.
11. THE CONTRACTOR SHALL SEEK CLARIFICATION PRIOR TO BIDDING OF ANY QUESTIONS CONCERNING CONDITIONS, DRAWINGS, DETAILS AND SPECIFICATIONS THAT WILL AFFECT SUBMISSION OF A COMPLETE AND ACCURATE BID. SUBMISSION OF QUESTIONS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE INSTRUCTION TO BIDDERS.
12. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE FOR ANY DEVIATION FROM THE CONTRACT DOCUMENTS.
13. ALL REQUESTS FOR INFORMATION CLARIFICATION, DEVIATION OR SUBSTITUTION FOR ITEMS IN THE CONTRACT DOCUMENTS SHALL BE MADE IN WRITING THROUGH THE CONTRACTOR. THE OWNER'S REPRESENTATIVE SHALL HAVE SEVEN (7) WORKING DAYS UPON RECEIPT IN WHICH TO RESPOND.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND/OR REPLACEMENT OF ANY ITEMS/AREAS DAMAGED DURING THE CONSTRUCTION PROCESS.
15. THE CONTRACTOR SHALL LAYOUT AND VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE GENERAL CONTRACTOR.
16. DIMENSIONS SHALL NOT BE SCALED FROM THE CONTRACT DOCUMENTS. WRITTEN DIMENSIONS SHOWN ON THE PLANS SHALL RULE. IN THE CASE OF AMBIGUITY THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION OF DIMENSIONS FROM THE GENERAL CONTRACTOR.
17. ALL ITEMS LISTED ON MATERIALS/FURNISHINGS SCHEDULE ARE AS SPECIFIED OR APPROVED EQUAL.

HARDSCAPE NOTES

1. DIMENSIONS SHALL NOT BE SCALED FROM THE CONTRACT DOCUMENTS. WRITTEN DIMENSIONS SHOWN ON THE PLANS SHALL RULE. IN THE CASE OF AMBIGUITY THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION OF DIMENSIONS FROM THE PROJECT ENGINEER.
2. QUANTITIES SHOWN ON SCHEDULES ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY QUANTITIES. WHERE THERE IS A DISCREPANCY BETWEEN THE QUANTITY SHOWN ON THE HARDSCAPE SCHEDULE AND THE QUANTITY OF ITEMS SHOWN ON THE PLANS, THE PLANS SHALL RULE. CONTRACTOR TO NOTIFY PROJECT ENGINEER OF ANY QUANTITY DISCREPANCY PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO THE START OF FABRICATION FOR ALL APPLICABLE ITEMS. THE CONTRACTOR SHALL SUBMIT FIVE (5) SETS OF SHOP DRAWINGS TO THE PROJECT ENGINEER. THE PROJECT ENGINEER SHALL HAVE SEVEN (7) WORKING DAYS UPON RECEIPT IN WHICH TO RESPOND.
4. REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS AND LAYOUT. ANY LIGHTING SHOWN ON PLANS AND DETAILS IS FOR INFORMATIONAL PURPOSES ONLY.

LANDSCAPE NOTES

1. ALL PLANTING TO CONFORM TO ALL APPLICABLE LAWS OF THE TOWN OF MEDLEY.
2. ABOVE AND BELOW GRADE UTILITY LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK. IF UTILITY CONFLICTS BECOME EVIDENT, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER FOR ANY NECESSARY ADJUSTMENTS. WHEN WORKING IN AREAS WHERE UTILITIES ARE KNOWN TO EXIST, UTILITY LOCATIONS MAY NEED TO STAKED BY A SURVEYOR OR UTILITY COMPANY. THE CONTRACTOR HAS THE OPTION TO CALL 'SUNSHINE ONE CALL' AT 1-800-432-4770 TO SCHEDULE LOCATION OF UTILITIES THAT SUBSCRIBE TO THEIR SERVICE.
3. THE CONTRACTOR SHALL REMOVE ALL LIMEROCK, LOOSEN COMPACTED SUBGRADE, AND BACKFILL WITH PLANTING MIX, IN ALL PARKING LOT ISLANDS BEFORE INSTALLING ANY PLANT MATERIAL.
4. IT WILL BE THE SOLE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO INSURE THAT ALL NEW PLANTING RECEIVE ADEQUATE WATER DURING INSTALLATION AND THROUGHOUT THE PLANT WARRANTEE PERIODS. DEEP WATERING OF ALL NEW PLANTS AND ANY SUPPLEMENTARY WATERING THAT MAY BE REQUIRED TO AUGMENT NATURAL RAINFALL OR SITE IRRIGATION IS MANDATORY TO INSURE PROPER PLANT DEVELOPMENT AND SHALL BE PROVIDED AS PART OF THIS CONTRACT.THE LANDSCAPE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES ON THIS PROJECT.
5. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR HOLDING THE FINE GRADING OF PLANTING AREAS TO INSURE AT LEAST 3% POSITIVE DRAINAGE AWAY FROM BUILDINGS AND INTO TURF AREAS, PONDS, STREETS OR OTHER DRAINAGE WAYS. TURF AND PLANTING BEDS SHALL MEET SIDEWALKS AND FLATWORK AT 2" BELOW THE FLATWORK.
6. IF REQUIRED, PRUNING OF EXISTING TREES AS FIELD DIRECTED BY OWNER'S REPRESENTATIVE SHALL BE CONDUCTED UNDER THE DIRECT SUPERVISION OF A CERTIFIED ARBORIST IN THE FIELD.
7. LANDSCAPE CONTRACTOR SHALL REPAIR, RELOCATE AND/OR REPLACE ANY DAMAGED OR REMOVED LANDSCAPE AFFECTED BY CONSTRUCTION AND NOT DELINEATED ON THE DEMOLITION PLANS. CONTRACTOR SHALL OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE. PRIOR TO ANY REMEDIATION LANDSCAPE EFFORTS.
8. DIMENSIONS SHOWN ON THE PLANS SHALL SUPERSEDE SCALED DIMENSIONS. IF NECESSARY THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION OF DIMENSIONS FROM THE PROJECT ENGINEER.
9. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF ANY QUANTITY DISCREPANCIES BETWEEN SCHEDULE AND PLAN PRIOR TO CONSTRUCTION.
10. SOD TO INCLUDE ALL DISTURBED AREAS THAT ARE NOT LANDSCAPED OR HARDSCAPED. CONTRACTOR SHALL CONFIRM SOD QUANTITY PRIOR TO BID.
11. PLANT MATERIAL SHALL MEET OR EXCEED ALL SPECIFICATIONS REGARDING SIZING. IT MAY BE NECESSARY TO EXCEED SOME OF THE SPECIFICATIONS TO MEET THE MINIMUM REQUIREMENTS OF OTHERS.

THE TOWN OF MEDLEY INCORPORATED 1949 FLORIDA

REV BY	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

ORIGINAL ISSUED DATE : DATE: October 17, 2014

THOMAS L. JOHNSON, RLA
FLORIDA REG. NO. 6666742

NOTICE:
This document and the ideas and designs incorporated herein, as an instrument of service, is the property of ATKINS, INC. Whether the project for which they are made is executed or not, they are not to be used in other projects or extensions to this project except by agreement in writing and with appropriate compensation to ATKINS. Changes or alterations to this drawing or other documents which may be made by any party not a party to this agreement without the prior written consent of ATKINS, shall be at the user's sole risk and without liability or legal exposure to ATKINS. All changes or alterations shall be documented by the author of the changes or alterations on sheets, documents or electronic media affected or associated with such changes or alterations. This document must be considered in the original form in which it was issued or published by ATKINS. In order to maintain the accuracy of the information contained herein, any reproduction, modification, translation, abridgement, conversion or adaptation of this document, in whole or in part, whether in electronic form or otherwise, shall require that ATKINS be asked for and shall give written verification of its concurrence before any use is made. ATKINS makes no representations as to the compatibility of its electronic files with any hardware or software not specified by ATKINS for the project, and assumes no responsibility for any loss of data or change to the information contained in the electronic files occurring during the use of any hardware or software not specified by ATKINS for the project, or caused by any modification to the electronic files made by any party other than ATKINS. In addition, ATKINS makes no representations concerning the accuracy of the information contained in electronic files after the passage of any period of time, and assumes no responsibility for the use of any information contained in electronic files reviewed by computer or other electronic means.

CLIENT: **TOWN OF MEDLEY**
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT: **DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS**

TITLE: **GENERAL LANDSCAPE INFORMATION**

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	JLK
DESIGN:	TLJ
CHECKED:	HLB
APPROVED:	TLJ
SHEET NO.	L001
REV.	△

User Name: kees1810
Drawing Name: \\Susoral1101\dp$\Projects\Medley\Danny Meehan\CADD\L001.dwg Nov 19, 2014 - 11:31am

NOTE:
1) CONTRACTOR TO ABUT SIDEWALK FLUSH TO PERIMETER OF EXISTING PLAYGROUND PAVING AS SHOWN.THE ABUTMENT SHOULD PRESENT A CLEAN, FINISHED EDGE.

NORTH

0 20' 40'

SCALE: 1"=20'
HALF-SIZE SCALE: 1"=40'

EXISTING GATE (TO REMAIN)

EXISTING GATE (TO REMAIN)

CONNECT PROPOSED FENCE TO EXISTING STEEL FENCE END POST

CONNECT PROPOSED FENCE TO EXISTING FENCE PANEL END POST

GATE B
RE: 1/L001

CONNECT PROPOSED FENCE TO EXISTING STEEL FENCE END POST

EX. PLAYGROUND

BATTING CAGE
RE: 1/L001

PAVING A
RE: 1/L001

1 L153

FENCE
RE: 1/L001

PAVING B

PAVING B

2 L151

WASTE RECEPTACLE (TYP.)
RE: 1/L001

2 L153

BEGIN RET. WALL

FITNESS STATION C
RE: 1/L001

BID SET

DUMPSTER ENCLOSURE
RE: CIVIL PLANS

SOCCER GOAL (TYP.)
(N.I.C.)

FENCE
RE: 1/L001

PAVING B

END RET. WALL

RETAINING WALL,
RE: 1/L001

FLAG POLE
RE: 1/L001

1 L151

BEGIN RET. WALL

PARK ENTRY SIGN ,
SIGN MESSAGE TO FACE NW

EXPANSION JOINT
(EJ) (TYP.)

CONNECT PROPOSED FENCE TO EXISTING FENCE END POST

END RET. WALL

CONTROL JOINT
(CJ) (TYP.)

FITNESS STATION B
RE: 1/L001

3 L151

4 L151

END PROPOSED FENCE AT EXISTING BUILDING FACE

PAVING B

7 L151

NW. SOUTH RIVER DRIVE

END PROPOSED FENCE AT EXISTING BUILDING FACE

FITNESS STATION A
RE: 1/L001

INSTALL FENCE BETWEEN EXISTING BUILDINGS FOR ADDITIONAL PARK SECURITY

PAVING B

PAVING G

PAVING E

PAVING
(BY OTHERS)

CONNECT PROPOSED FENCE TO EXISTING FENCE END POST

PARK ENTRY SIGN (TYP. OF 2)
RE: 3/L154
SIGN MESSAGE TO FACE SE

MIAMI CANAL C-6

THE TOWN OF MEDLEY FLORIDA INCORPORATED 1949

REV BY	DATE	DESCRIPTION
		ORIGINAL ISSUED DATE :

THOMAS L. JOHNSON, RLA
FLORIDA REG. NO. 6666742

DATE: October 17, 2014

NOTICE:
This document and the ideas and designs incorporated herein, as an instrument of service, is the property of Atkins, Inc. Atkins retains all rights including but not limited to copyright and other intellectual property rights. The use of this document or the facilities it describes, by any person or entity, for any purpose except as agreed to by Atkins, is prohibited. Any such use or reliance by another person or entity is at its own risk and without liability to Atkins and its subconsultants. Any unauthorized use, reuse, modification, or transfer of this document to any third party will be at the user's sole risk and without liability to Atkins. The user will defend, indemnify and hold Atkins harmless from all claims, damages, losses and expenses including attorneys' fees arising out of or resulting therefrom. Any such use, reuse, modification, or transfer of this document or its contents shall constitute the user's acceptance of the foregoing terms.
This document was issued and sealed in electronic format. Unauthorized alterations, changes or modifications to this document are prohibited. In accepting and utilizing this electronic file, the user agrees to indemnify and hold harmless Atkins for all claims, damages, losses and expenses arising out of or resulting from any changes made to this document. A printed copy of this document should be retained for reference and shall not be altered in any way. If there is a conflict between a printed copy and the electronic file, the printed copy shall govern. Any verification of the information contained in the electronic file shall be limited to the printed copy. Atkins is not responsible for any duplication of this electronic file not authorized by Atkins. Printed copies of maps, plans and data may not be to scale. Information shown in graphic or digital format is for reference only. Atkins makes no warranty, either expressed or implied, as to the accuracy, timeliness or completeness of the electronic data or that the data will meet the user's needs or expectations. The user understands that use of the electronic data includes the inherent risk that intentional or unintentional changes may be introduced in the data by unauthorized persons, transcription errors, or incompatibility with the user's computer system. In making this data available electronically, Atkins does not relinquish control over the form in which official data will be published. For information concerning the accuracy of the data, users should contact Atkins directly. Any reliance on this electronic data shall be at the user's risk.

CLIENT
TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

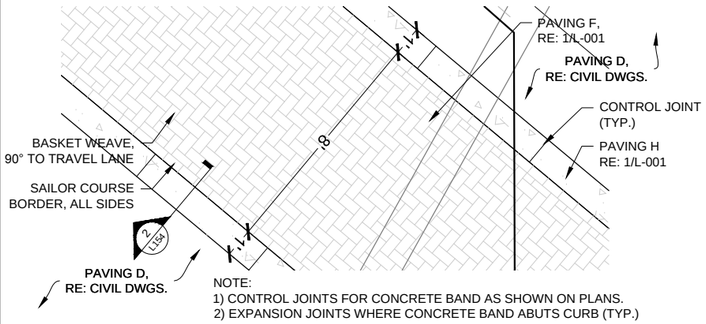
PROJECT
DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE
SIDEWEWALK JOINT LAYOUT & HARDSCAPE PLAN

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL: 407.647.7275
FAX: 407.806.4500
www.atkinsglobal.com

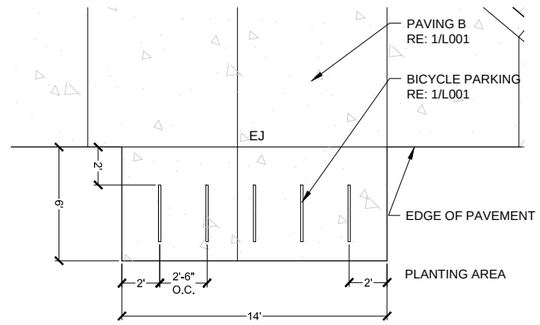
JOB NO.:	100037913
DRAWN:	JLK
DESIGN:	TLJ
CHECKED:	HLB
APPROVED:	TLJ
SHEET NO.	L101
REV.	△

User Name: kees1810
Drawing Name: \\Susora1101\dpS\Projects\Medley\Danny Meehan\CADD\L101.dwg Nov 19, 2014 – 11:00am



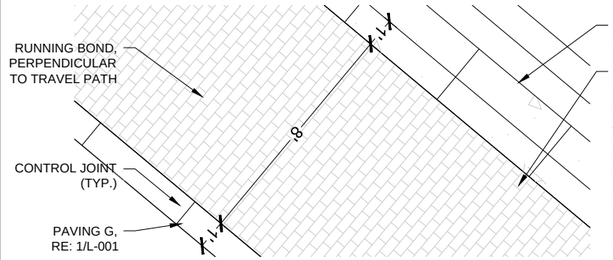
7 PAVING TYPE F @ CROSSWALK LAYOUT ENLARGEMENT PLAN

SCALE: N.T.S.



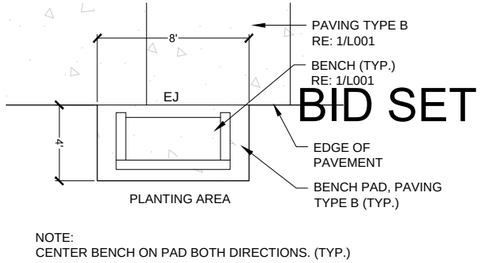
5 BICYCLE PARKING LAYOUT ENLARGEMENT PLAN

SCALE: N.T.S.



6 PAVING TYPE E LAYOUT ENLARGEMENT PLAN

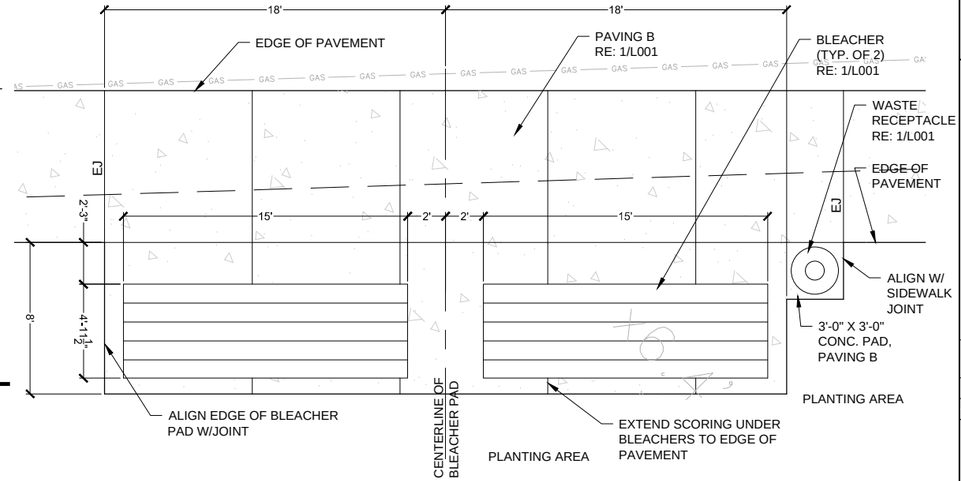
SCALE: N.T.S.



NOTE:
CENTER BENCH ON PAD BOTH DIRECTIONS. (TYP.)

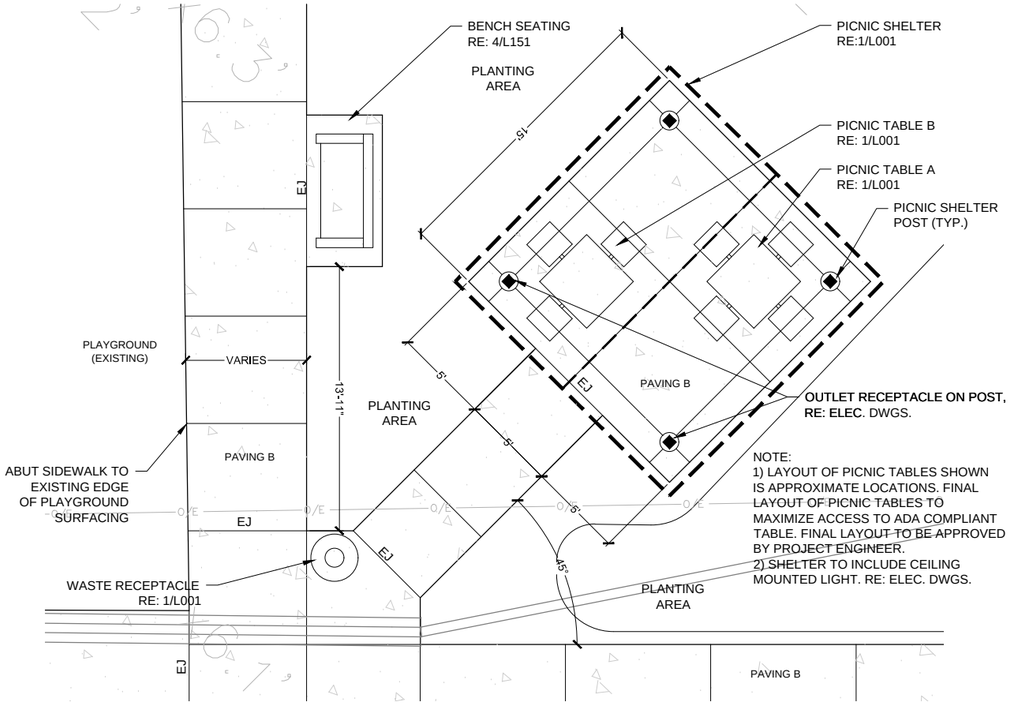
4 BENCH LAYOUT ENLARGEMENT PLAN (TYP.)

SCALE: N.T.S.



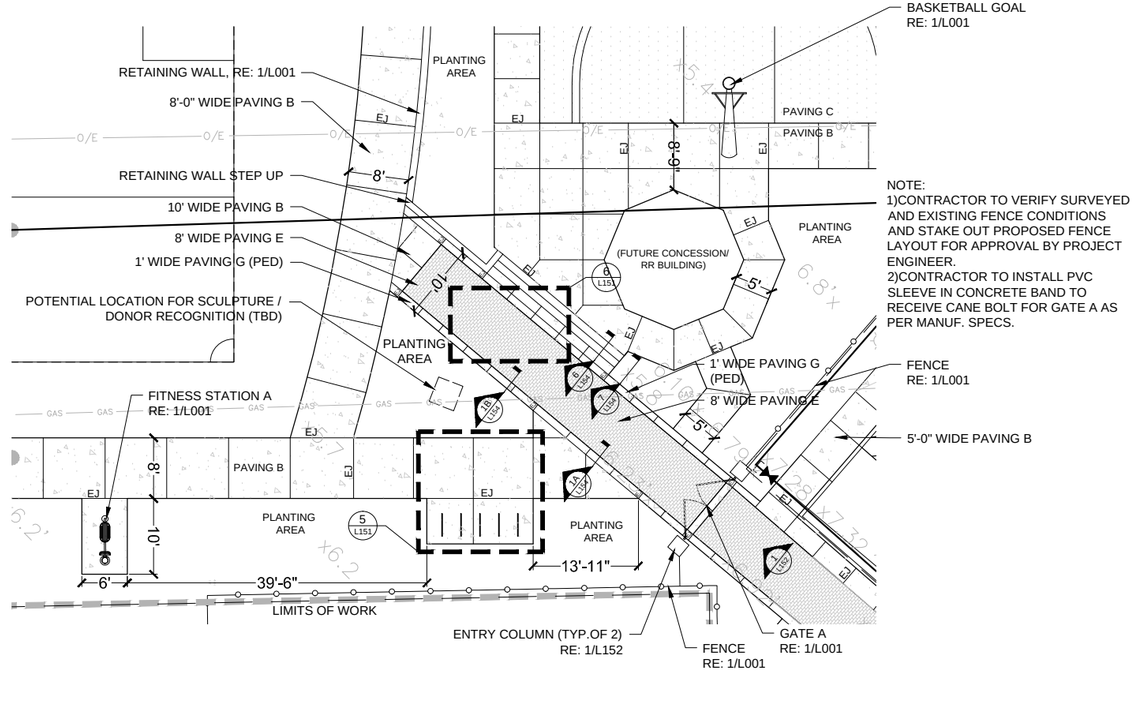
3 BLEACHER LAYOUT ENLARGEMENT PLAN

SCALE: N.T.S.



2 PICNIC SHELTER ENLARGEMENT PLAN

SCALE: N.T.S.



NOTE:
1)CONTRACTOR TO VERIFY SURVEYED AND EXISTING FENCE CONDITIONS AND STAKE OUT PROPOSED FENCE LAYOUT FOR APPROVAL BY PROJECT ENGINEER.
2)CONTRACTOR TO INSTALL PVC SLEEVE IN CONCRETE BAND TO RECEIVE CANE BOLT FOR GATE A AS PER MANUF. SPECS.

1 PARK ENTRY ENLARGEMENT PLAN

SCALE: N.T.S.

BID SET

THE TOWN OF MEDLEY
INCORPORATED 1949
FLORIDA

REV BY	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		

ORIGINAL ISSUED DATE :

THOMAS L. JOHNSON, RLA
FLORIDA REG. NO. 6666742

DATE: October 17, 2014

NOTICE:
This document was prepared by Atkins North America, Inc. Atkins North America has prepared this document for the sole use of the client and for the intended purpose as stated in the agreement between Atkins North America and the client under which this document was prepared. Atkins North America is not responsible for any unauthorized use of this document and makes no representation to any party other than the client regarding its sufficiency for any purpose. Any unauthorized use, reproduction or alteration of this document is prohibited. Changes or alterations to this document may only be made by persons duly authorized by Atkins North America and then the document must be appropriately identified as to the author of the changes. Atkins North America accepts no responsibility for the accuracy of the information contained in this document if any changes or modifications have been made to the document without the knowledge and consent of Atkins North America. If there is a discrepancy between the documentation transmitted by Atkins North America and the documentation transmitted by the client, the documentation transmitted by Atkins North America shall prevail to the extent of the discrepancy. Atkins North America shall not be responsible for changes made to the documentation subsequent to the date that the documentation was delivered by Atkins North America, nor for any errors or omissions which may be incorporated into the documentation by Atkins North America if such errors or omissions were present in documentation transmitted to Atkins North America by the client.
This document must be considered in its entirety and the sections or pages should not be taken out of context. In order to maintain the accuracy of the information contained in this document, any reuse, distribution, reproduction, modification, adaptation, publication or translation of this document, in whole or in part, by any person, government or client, contract should be made directly with Atkins North America.
This document must not be copied or reproduced in any form or by any means, or stored in a document retrieval system of any nature, without the written permission of Atkins North America, except for the purpose as stated in the agreement between Atkins North America and the client under which this document was delivered. Any such reproduction, if permitted, must be made in a documentation transmitted or stored in its entirety, unless it is first composed in the original. Atkins North America accepts no responsibility for damage or loss concerning the accuracy of the information contained in any reproduction of this document, whether reviewed by computer or other electronic means.

CLIENT:
TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

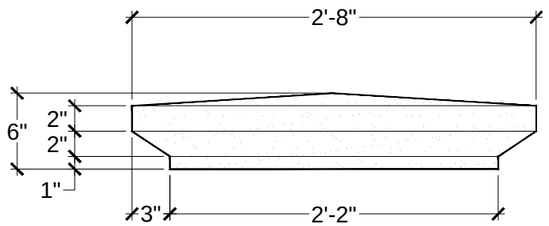
PROJECT:
DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE:
HARDSCAPE DETAILS

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
402 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

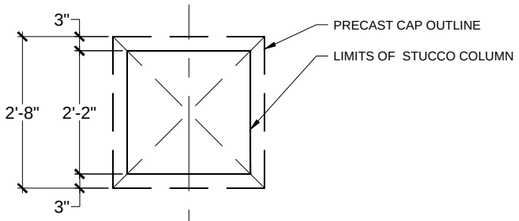
JOB NO.:	100037913
DRAWN:	JLK
DESIGN:	TLJ
CHECKED:	HLB
APPROVED:	TLJ
SHEET NO.	L151
REV.	△

User Name: kees1810
Drawing Name: \\Susoral1101\dpt$\Projects\Medley\Danny Meehan\CADD\L151.dwg
Nov 19, 2014 - 10:46am

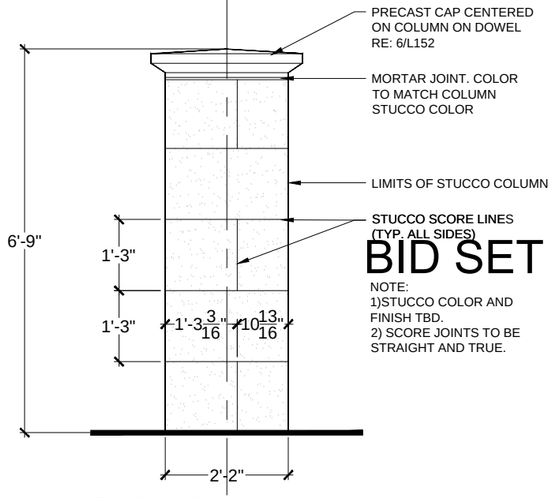


6 ENTRY COLUMN CAP DETAIL

SCALE: N.T.S.



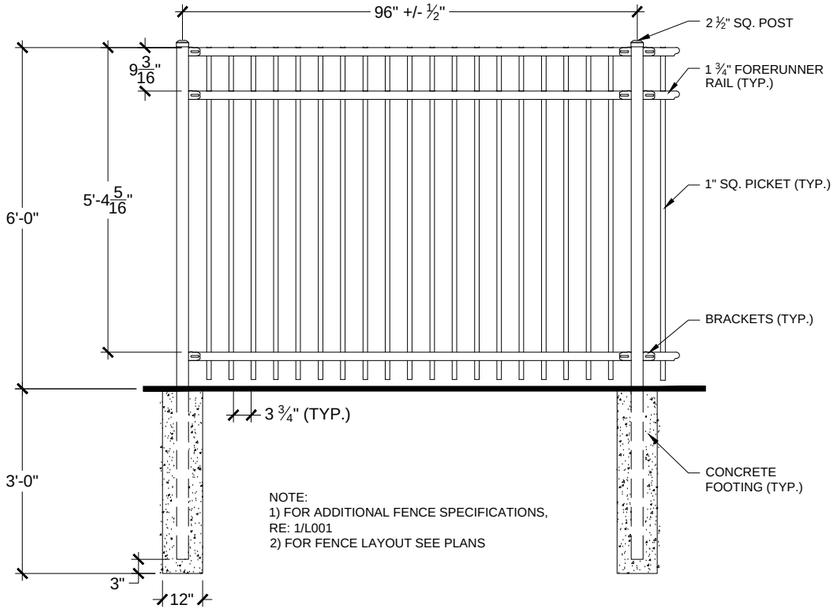
A. P L A N



B. E L E V A T I O N

BID SET

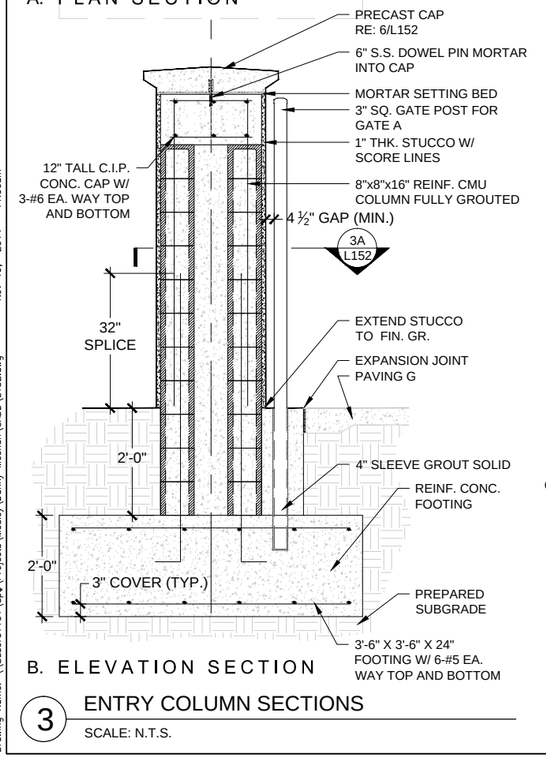
NOTE:
1)STUCCO COLOR AND FINISH TBD.
2) SCORE JOINTS TO BE STRAIGHT AND TRUE.



NOTE:
1) FOR ADDITIONAL FENCE SPECIFICATIONS, RE: 1/L001
2) FOR FENCE LAYOUT SEE PLANS

4 FENCE PANEL DETAIL (TYP.

SCALE: N.T.S.

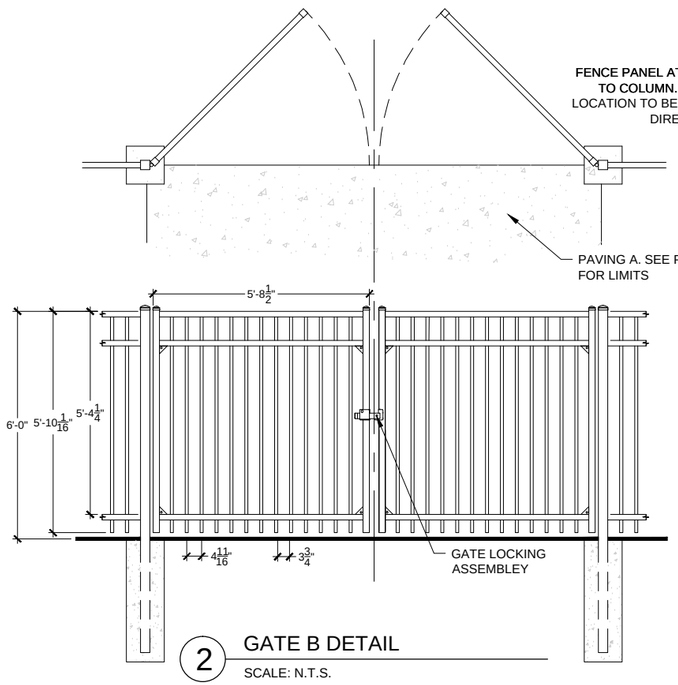


A. PLAN SECTION

B. ELEVATION SECTION

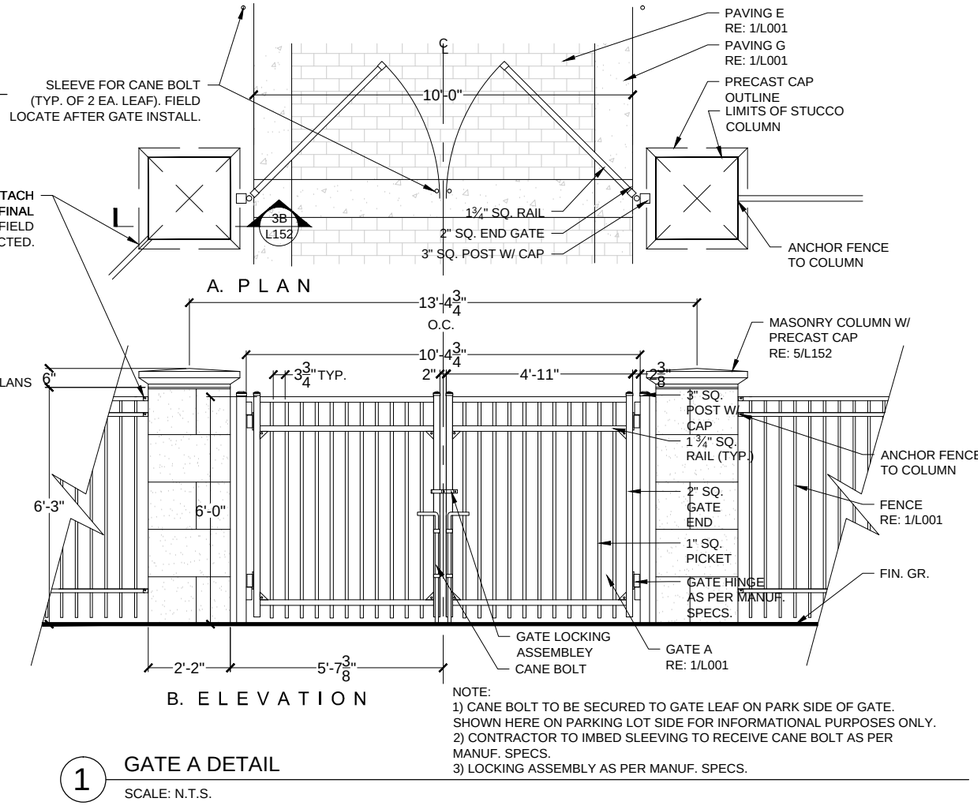
3 ENTRY COLUMN SECTIONS

SCALE: N.T.S.



2 GATE B DETAIL

SCALE: N.T.S.



B. E L E V A T I O N

NOTE:
1) CANE BOLT TO BE SECURED TO GATE LEAF ON PARK SIDE OF GATE. SHOWN HERE ON PARKING LOT SIDE FOR INFORMATIONAL PURPOSES ONLY.
2) CONTRACTOR TO IMBED SLEEVING TO RECEIVE CANE BOLT AS PER MANUF. SPECS.
3) LOCKING ASSEMBLY AS PER MANUF. SPECS.

1 GATE A DETAIL

SCALE: N.T.S.

THE TOWN OF MEDLEY INCORPORATED 1949 FLORIDA

REV BY	DATE	DESCRIPTION
		ORIGINAL ISSUED DATE :

THOMAS L. JOHNSON, RLA
FLORIDA REG. NO. 6666742

DATE: October 17, 2014

NOTICE:
This document and the information contained herein is proprietary to ATKINS, Inc. Unless this document was generated by ATKINS, Inc. for the purpose of a specific transaction stated in this document, it is the property of ATKINS, Inc. and may not be used, loaned, copied, or disclosed without the express written consent of ATKINS, Inc. Changes or alterations to this document not made by persons other than personnel of ATKINS, Inc. may result in significant misinterpretations and inaccurate conclusions. Unless otherwise specifically stated in writing, ATKINS is not responsible for any modifications to this document made after the original issue. This document must be compared to the original signed and sealed version stored by ATKINS in order to ensure the accuracy of the information shown herein. Any discrepancies must be reported to ATKINS immediately. Electronic files are not to be changed, altered, or modified unless specifically authorized in writing by ATKINS. Additional hard copies may be made on a documentation transmittal or reproduction request form. Any unauthorized use, changes, alterations or modifications to these files, unless it is first compared to the original, ATKINS will not be responsible for any errors or omissions concerning the accuracy of the information contained in the plans, specifications and documents reviewed by computer or other electronic means.

CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

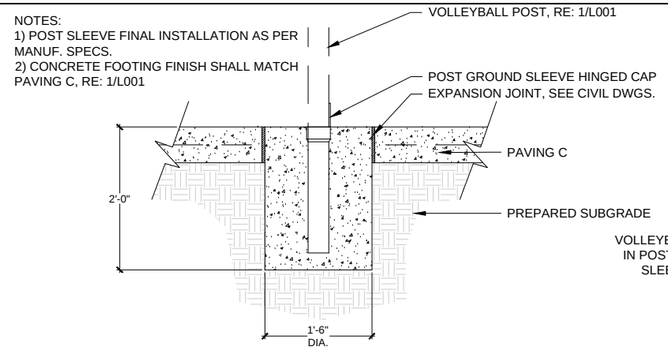
PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

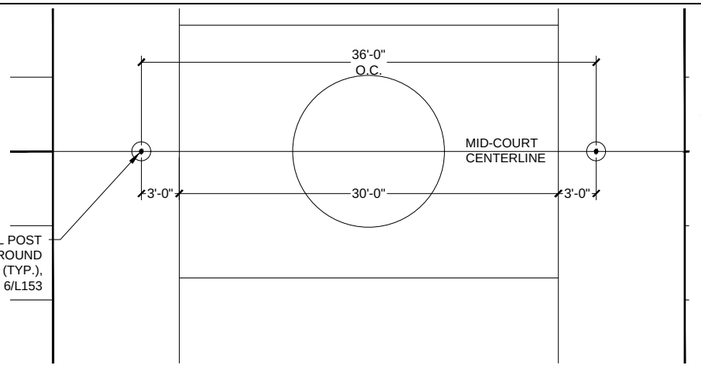
TITLE: HARDSCAPE DETAILS

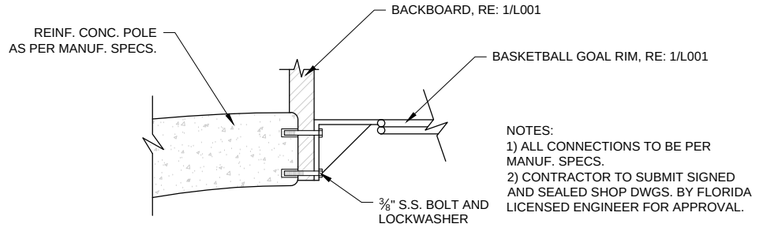
ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

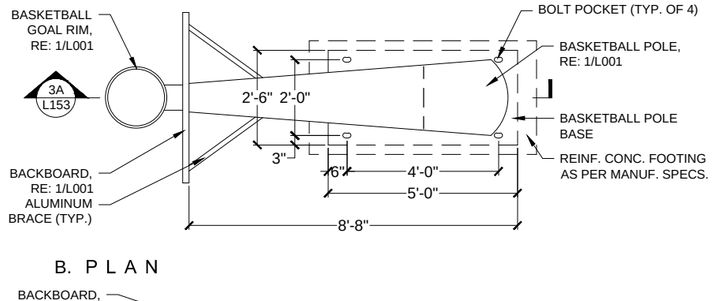
JOB NO.:	100037913
DRAWN:	JLK
DESIGN:	TLJ
CHECKED:	HLB
APPROVED:	TLJ
SHEET NO.	L152
REV.	△

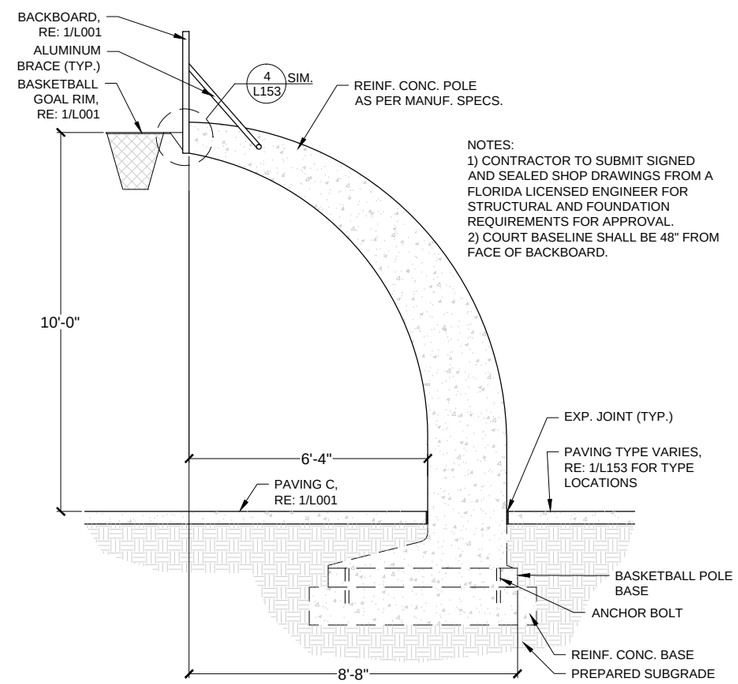
User Name: kees1810
Drawing Name: \\Suscra11101.dp$\Projects\Medley\Danny Meehan\CADD\L152.dwg
Nov 19, 2014 – 11:06am

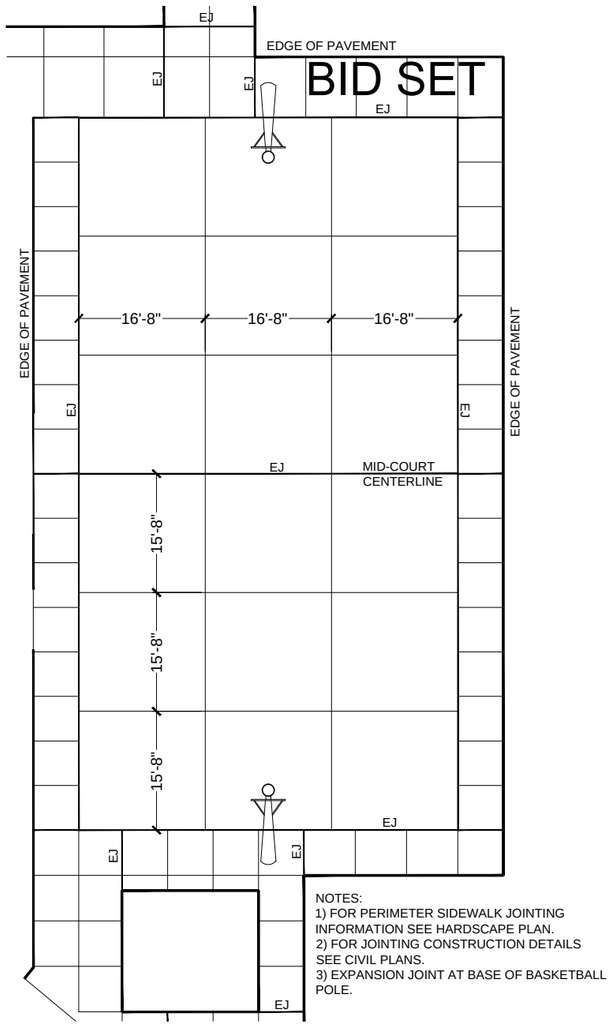


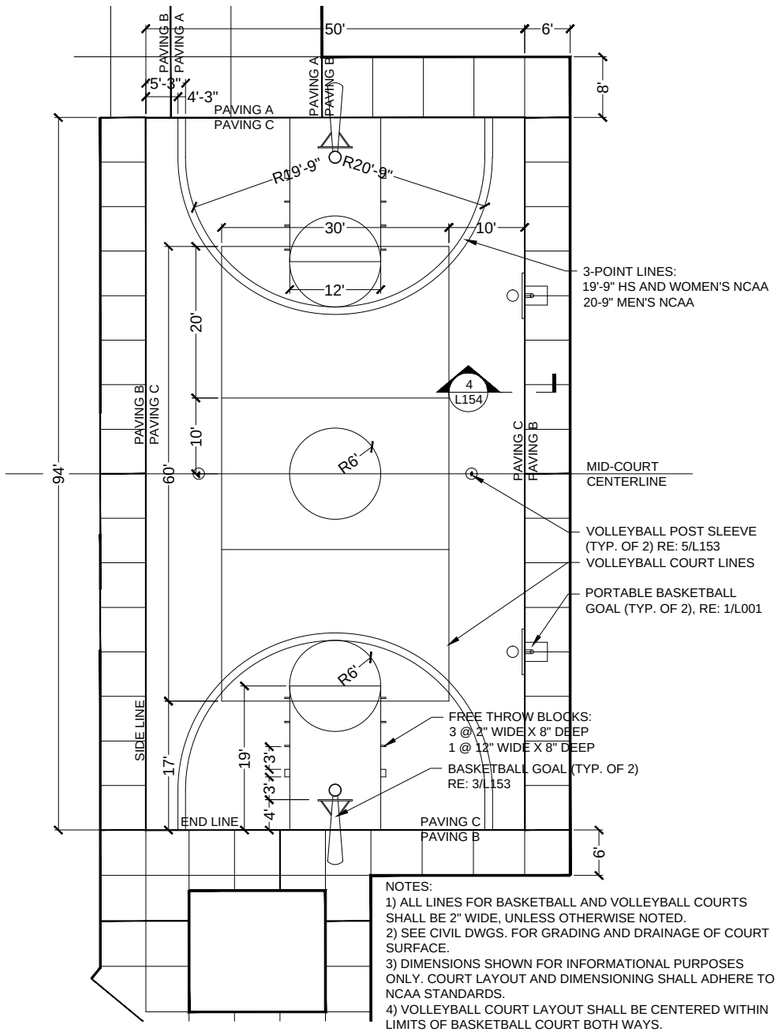












NOTES:
1) POST SLEEVE FINAL INSTALLATION AS PER MANUF. SPECS.
2) CONCRETE FOOTING FINISH SHALL MATCH PAVING C, RE: 1/L001

6 VOLLEYBALL REMOVABLE POST DETAIL

SCALE: N.T.S.

5 VOLLEYBALL POST LAYOUT PLAN

SCALE: N.T.S.

NOTES:
1) ALL CONNECTIONS TO BE PER MANUF. SPECS.
2) CONTRACTOR TO SUBMIT SIGNED AND SEALED SHOP DWGS. BY FLORIDA LICENSED ENGINEER FOR APPROVAL.

4 BASKETBALL GOAL CONNECTION DETAIL

SCALE: N.T.S.

NOTES:
1) CONTRACTOR TO SUBMIT SIGNED AND SEALED SHOP DRAWINGS FROM A FLORIDA LICENSED ENGINEER FOR STRUCTURAL AND FOUNDATION REQUIREMENTS FOR APPROVAL.
2) COURT BASELINE SHALL BE 48" FROM FACE OF BACKBOARD.

3 BASKETBALL GOAL DETAIL

SCALE: N.T.S.

BID SET

NOTES:
1) FOR PERIMETER SIDEWALK JOINTING INFORMATION SEE HARDSCAPE PLAN.
2) FOR JOINTING CONSTRUCTION DETAILS SEE CIVIL PLANS.
3) EXPANSION JOINT AT BASE OF BASKETBALL POLE.

2 BASKETBALL JOINTING PLAN

SCALE: N.T.S.

NOTES:
1) ALL LINES FOR BASKETBALL AND VOLLEYBALL COURTS SHALL BE 2" WIDE, UNLESS OTHERWISE NOTED.
2) SEE CIVIL DWGS. FOR GRADING AND DRAINAGE OF COURT SURFACE.
3) DIMENSIONS SHOWN FOR INFORMATIONAL PURPOSES ONLY. COURT LAYOUT AND DIMENSIONING SHALL ADHERE TO NCAA STANDARDS.
4) VOLLEYBALL COURT LAYOUT SHALL BE CENTERED WITHIN LIMITS OF BASKETBALL COURT BOTH WAYS.

1 BASKETBALL ENLARGEMENT PLAN

SCALE: N.T.S.

THE TOWN OF MEDLEY
INCORPORATED 1949
FLORIDA

REV.	BY	DATE	DESCRIPTION
8			
7			
6			
5			
4			
3			
2			
1			

ORIGINAL ISSUED DATE :

THOMAS L. JOHNSON, RLA
FLORIDA REG. NO. 6666742

DATE: October 17, 2014

NOTICE:
The information in this document was prepared by ATKINS, INC. While ATKINS has taken all reasonable steps to assure the accuracy of the information contained in this document, it cannot guarantee that changes or alterations to this document will not be made by persons other than ATKINS personnel after the document leaves the possession of ATKINS. Changes or alterations may be safety related and result in damage to property, personal injury or death. If verification of the information contained in this document is needed, contact should be made directly with ATKINS.
This document must be compared to the original hard copy, with certified raised seal, if applicable, in order to insure the accuracy of the information contained therein and to further insure that no changes, alterations or modifications have been made to the document. No reliance should ever be made on a documentation transmitted or reviewed by computer or other electronic means unless it is first compared to the original. ATKINS makes no warranties, express or implied, concerning the accuracy of the information contained in any document transmitted or reviewed by computer or other electronic means.

CLIENT
TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT
DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE
HARDSCAPE DETAILS

ATKINS

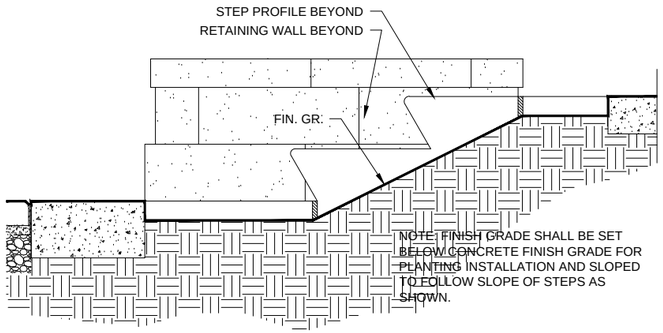
CORPORATE OFFICE:
5300 W. BOY SCOUT
BOULEVARD TAMPA, FLORIDA
33607
FBPR CERTIFICATE OF
AUTHORIZATION NO.24

LOCAL OFFICE:
482 SOUTH KELLER
ROAD ORLANDO, FL
32810
TEL. 407.647.7275
FAX. 407.806.4500

www.atkinsglobal.com

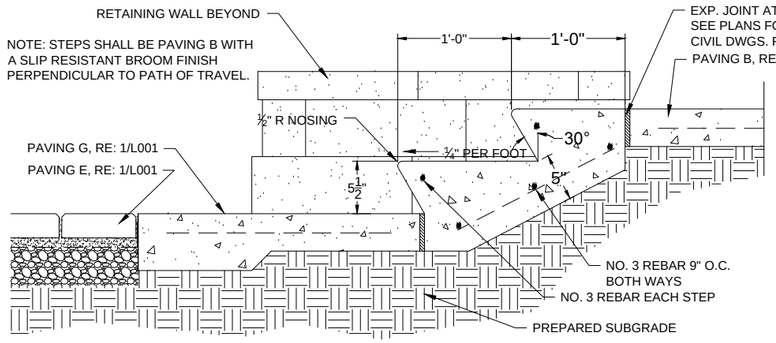
JOB NO.:	100037913
DRAWN:	JLK
DESIGN:	TLJ
CHECKED:	HLB
APPROVED:	TLJ
SHEET NO.	L153
REV.	△

User Name: kees1810
Drawing Name: \\Susora1101\dp$\Projects\Medley\Danny Meehan\CADD\L153.dwg Nov 19, 2014 – 11:08am



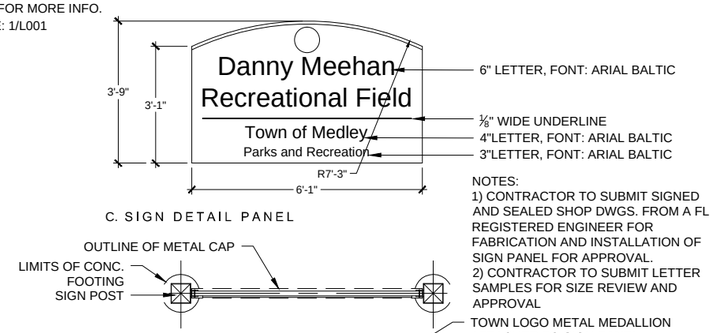
7 FINISH GRADE @ STEP SECTION

SCALE: N.T.S.



6 STEP SECTION

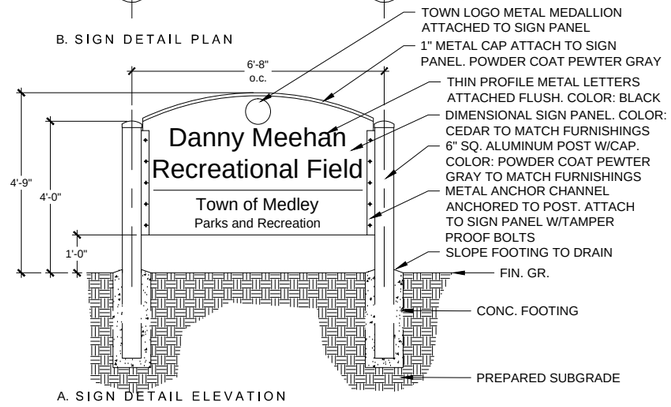
SCALE: N.T.S.



C. SIGN DETAIL PANEL

B. SIGN DETAIL PLAN

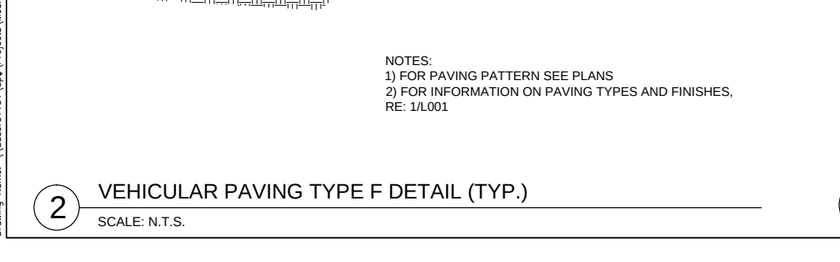
NOTES:
1) CONTRACTOR TO SUBMIT SIGNED AND SEALED SHOP DWGS. FROM A FL REGISTERED ENGINEER FOR FABRICATION AND INSTALLATION OF SIGN PANEL FOR APPROVAL.
2) CONTRACTOR TO SUBMIT LETTER SAMPLES FOR SIZE REVIEW AND APPROVAL



A. SIGN DETAIL ELEVATION

5 SEGMENTED RETAINING WALL (SRW) SECTION (TYP.)

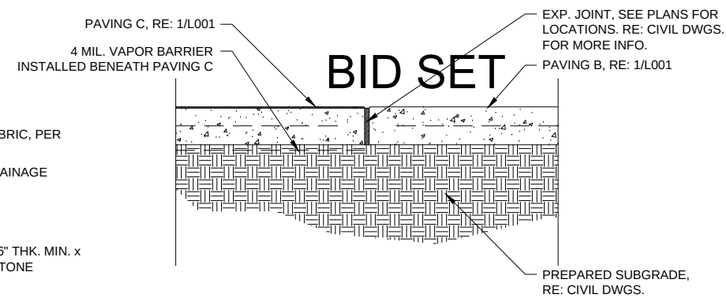
SCALE: N.T.S.



NOTES:
1) CONTRACTOR TO SUBMIT SHOP DWGS. FROM MANUF. CONFORMING TO DESIGN INTENT FOR APPROVAL. SHOP DWGS. SHALL ALSO PROVIDE DETAILS RE: JOINTING BETWEEN BOTTOM OF WALL AND ADJACENT PAVEMENT AS GRADING VARIES ALONG LENGTH.

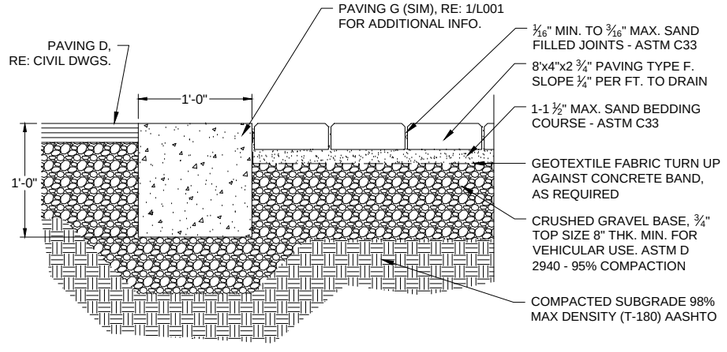
4 PAVING C DETAIL (TYP.)

SCALE: N.T.S.



3 ENTRY SIGN DETAIL

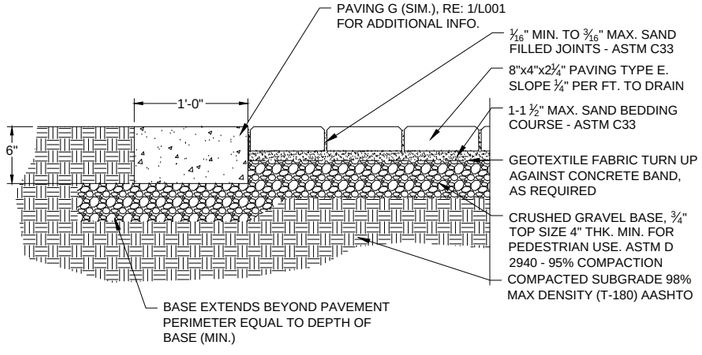
SCALE: N.T.S.



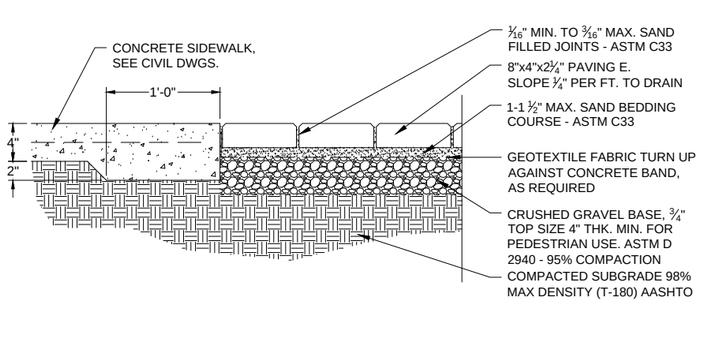
NOTES:
1) FOR PAVING PATTERN SEE PLANS
2) FOR INFORMATION ON PAVING TYPES AND FINISHES, RE: 1/L001

2 VEHICULAR PAVING TYPE F DETAIL (TYP.)

SCALE: N.T.S.



B. CONCRETE BAND EDGE RESTRAINT @ LANDSCAPE AREA



A. PEDESTRIAN SIDEWALK EDGE RESTRAINT

NOTES:
1) FOR PAVING PATTERN SEE PLANS
2) FOR INFORMATION ON PAVING TYPES AND FINISHES, RE: 1/L001

1 PEDESTRIAN PAVING TYPE E DETAIL (SIM.)

SCALE: N.T.S.

THE TOWN OF MEDLEY
INCORPORATED 1949
FLORIDA

REV BY	DESCRIPTION	DATE
	ORIGINAL ISSUED DATE :	

THOMAS L. JOHNSON, RLA
FLORIDA REG. NO. 6666742

DATE: October 17, 2014

NOTICE:
The Architectural Work and/or Drawings prepared by ATKINS, P.C., d/b/a ATKINS and their consultants (hereinafter collectively referred to as "ATKINS") is an instrument of service and shall remain the property of ATKINS. Changes or alterations to this document without the written permission of ATKINS, or its successors or assigns, shall be made only at the user's sole risk and without liability to ATKINS. Any unauthorized use, alteration, or addition to this document shall be at the sole risk of the user and without liability to ATKINS. The user shall indemnify and hold harmless ATKINS from all claims, damages, losses, and expenses, including attorney's fees, arising out of or resulting therefrom. Electronic media documents are susceptible to unauthorized modification and should be used with caution. This document may not be reproduced, published or altered, in any form or manner, by any person other than ATKINS, except for the purposes for which it was prepared, without the express written permission of ATKINS. Changes or alterations made to this document without the knowledge, consent or approval of the author may also result in misinterpretations of the information contained herein. Persons who rely on electronic media documents are advised to obtain independent verification of its completeness, accuracy and suitability for their purposes before use. In the event of conflict between the signed and sealed original document prepared by ATKINS and any electronic media version of the same document, the signed and sealed original shall govern. This document may not be made on any documentation transmitted to or from ATKINS by facsimile machine or other electronic means, unless it is first compared to the original. ATKINS shall not be responsible for any loss or damage concerning the accuracy of the information contained in any electronic media document that is altered, reviewed by computer or other electronic means.

CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

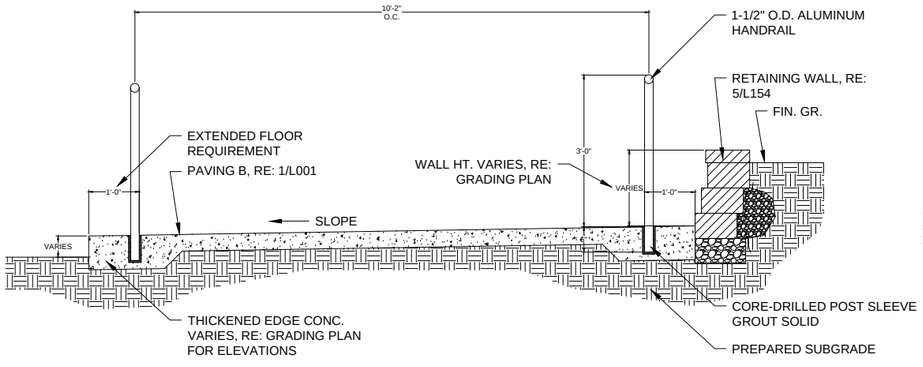
TITLE: HARDSCAPE DETAILS

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	JLK
DESIGN:	TLJ
CHECKED:	HLB
APPROVED:	TLJ
SHEET NO.	L154
REV.	△

User Name: kees1810
Drawing Name: \\Susora1101\dgn\Projects\Medley\Danny Meehan\CADD\L154.dwg Nov 19, 2014 - 11:14am

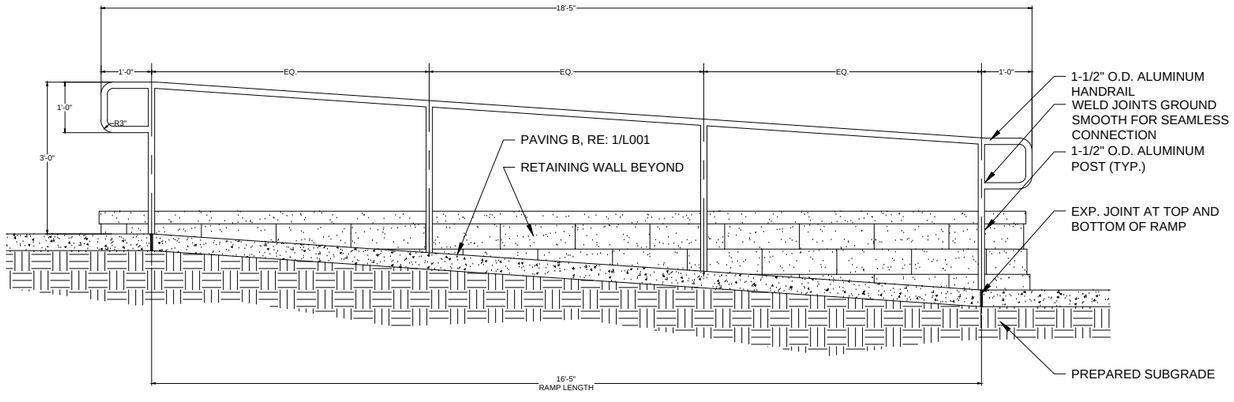
BID SET



2 PEDESTRIAN RAMP CROSS SECTION

SCALE: N.T.S.

NOTE:
RAILING SHALL HAVE A POWDER COAT FINISH WITH COLOR TO MATCH PEWTER GRAY OF TYPICAL FURNISHINGS.



1 PEDESTRIAN RAMP SECTION ELEVATION

SCALE: N.T.S.

NOTICE:
The ATKINS, P.C., name & product has personal information protected by copyright. Any unauthorized alteration, distribution, duplication, or other use of this document will be illegal. Any use by third parties other than the specified purpose for which it was prepared is prohibited without the express permission of ATKINS. Changes or alterations made to this document by anyone other than ATKINS, or persons under its direct control, are also prohibited and shall relieve ATKINS of all responsibility for the integrity of the document and for any consequences that may arise from its use. If you find any errors or omissions, please contact should be made directly with.
This document must be compared to the original signed and sealed version to verify accuracy and completeness. It is the responsibility of the user to ensure the accuracy of the information contained in this document. ATKINS is not responsible for changes, alterations or modifications have been made to this document by anyone other than ATKINS. Any changes must be made on a documentation transmitted by ATKINS and verified by the author or their representative. Unless it is first compared to the original, ATKINS cannot be responsible for any deficiencies in this document concerning the accuracy of the information contained herein. This document is not to be altered, reviewed by computer or online electronic means.

THOMAS L. JOHNSON, RLA
FLORIDA REG. NO. 6666742

DATE: October 17, 2014

REV BY	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

ORIGINAL ISSUED DATE :

THE TOWN OF MEDLEY FLORIDA INCORPORATED 1949

CLIENT
TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

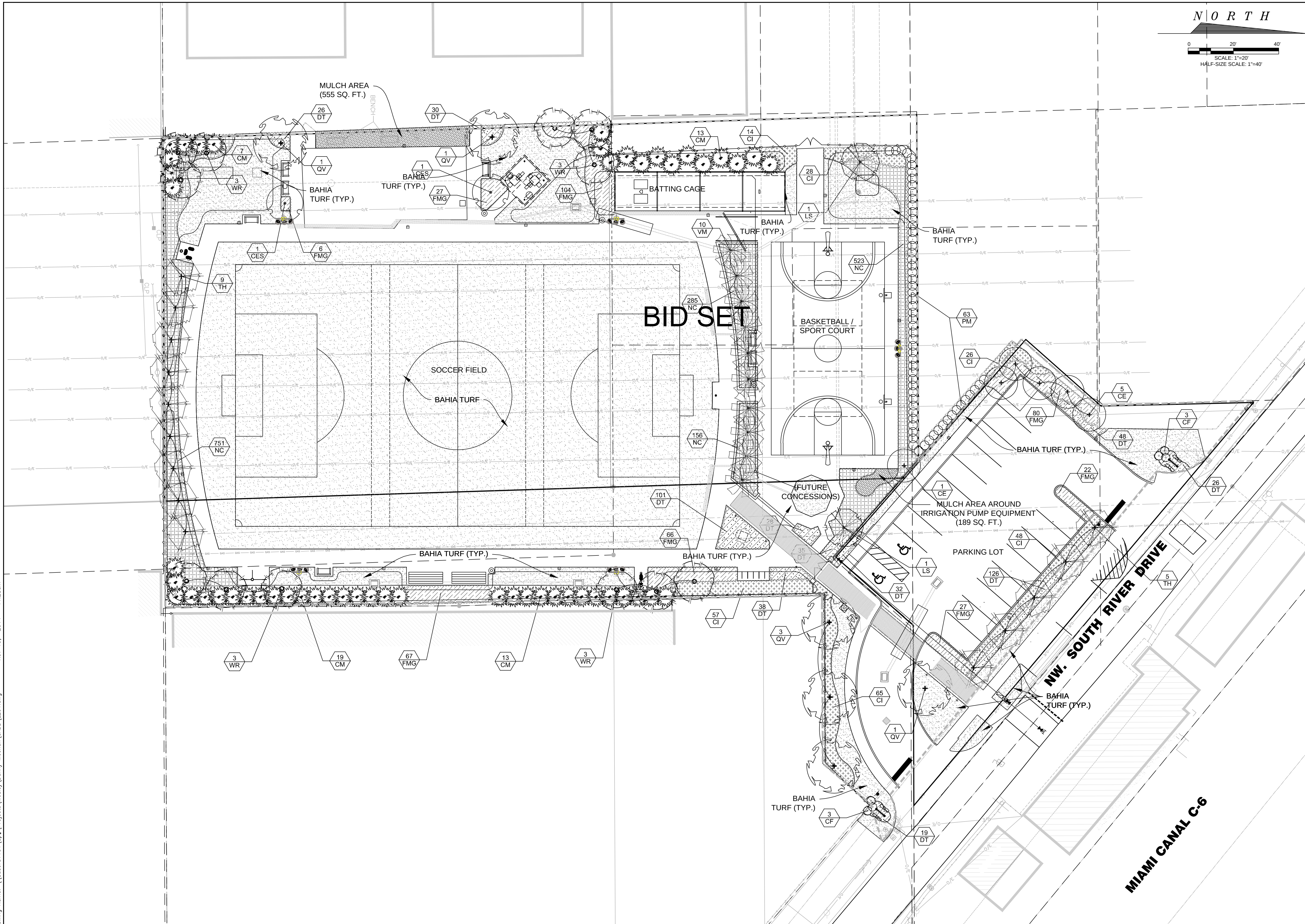
PROJECT
DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

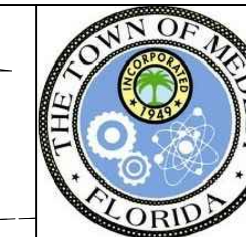
TITLE
HARDSCAPE DETAILS

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	JLK
DESIGN:	TLJ
CHECKED:	HLB
APPROVED:	TLJ
SHEET NO.	L155
REV.	△

User Name: kees1810
Drawing Name: \\Susora1101\dgn\Projects\Medley\Danny Meehan\CADD\L155.dwg Nov 19, 2014 - 11:11am





REV.	BY	DATE	DESCRIPTION
8			
7			
6			
5			
4			
3			
2			
1			

ORIGINAL ISSUED DATE :

THOMAS L. JOHNSON, RLA
FLORIDA REG. NO. 6666742

DATE: October 17, 2014

NOTICE:
The information in this document was prepared by ATKINS, INC. While ATKINS has taken all reasonable steps to assure the accuracy of the information contained in this document, it cannot guarantee that changes or alterations to this document will not be made by persons other than ATKINS personnel after the document leaves the possession of ATKINS. Changes or alterations may be safety related and result in damage to property, personal injury or death. If verification of the information contained in this document is needed, contact should be made directly with ATKINS.
This document must be compared to the original hard copy, with certified raised seal, if applicable, in order to insure the accuracy of the information contained therein and to further insure that no changes, alterations or modifications have been made to the document. No reliance should ever be made on a documentation transmitted or reviewed by computer or other electronic means unless it is first compared to the original. ATKINS makes no warranties, express or implied, concerning the accuracy of the information contained in any document transmitted or reviewed by computer or other electronic means.

CLIENT
TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT
DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE
LANDSCAPE PLAN

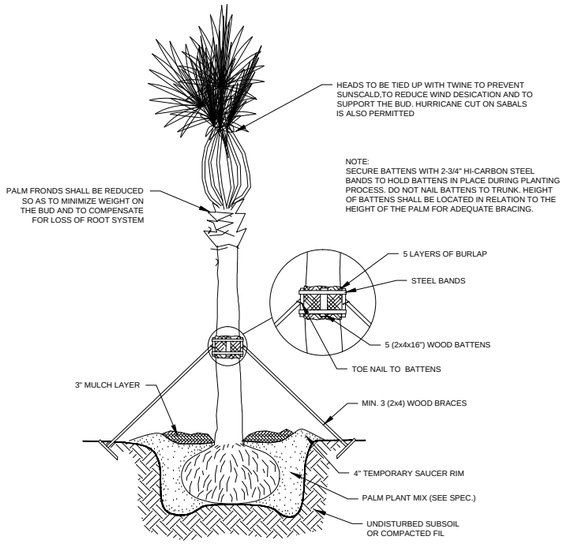
ATKINS

CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24

LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

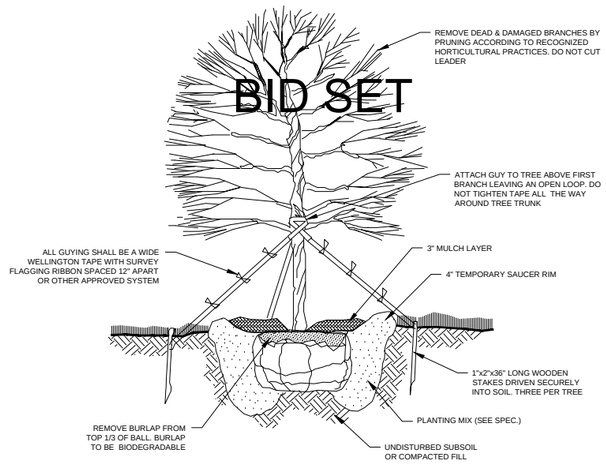
JOB NO.:	100037913
DRAWN:	JLK
DESIGN:	TLJ
CHECKED:	HLB
APPROVED:	TLJ
SHEET NO.	L201
REV.	

User Name: kees1810
Drawing Name: \\Susora1101\dp$\Projects\Medley\Danny Meehan\CADD\L201.dwg   Nov 19, 2014 - 11:28am



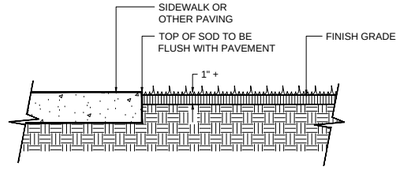
6 TYPICAL SINGLE TRUNK PALM PLANTING

SCALE: N.T.S.



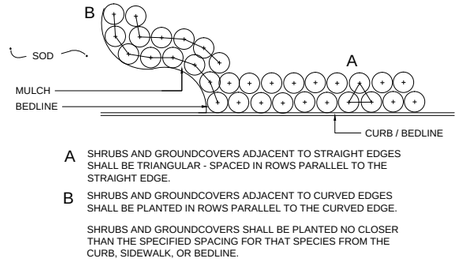
5 TYPICAL TREE PLANTING

SCALE: N.T.S.



4 SOD PLACEMENT DETAIL

SCALE: N.T.S.



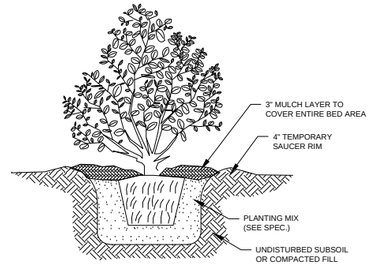
A SHRUBS AND GROUNDCOVERS ADJACENT TO STRAIGHT EDGES SHALL BE TRIANGULAR - SPACED IN ROWS PARALLEL TO THE STRAIGHT EDGE.

B SHRUBS AND GROUNDCOVERS ADJACENT TO CURVED EDGES SHALL BE PLANTED IN ROWS PARALLEL TO THE CURVED EDGE.

SHRUBS AND GROUNDCOVERS SHALL BE PLANTED NO CLOSER THAN THE SPECIFIED SPACING FOR THAT SPECIES FROM THE CURB, SIDEWALK, OR BEDLINE.

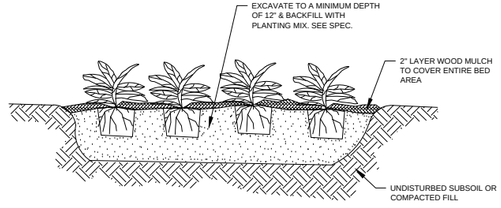
3 TYPICAL SHRUB & GROUNDCOVER SPACING

SCALE: N.T.S.



2 TYPICAL SHRUB PLANTING

SCALE: N.T.S.



1 TYPICAL GROUNDCOVER PLANTING

SCALE: N.T.S.

THE TOWN OF MEDLEY FLORIDA INCORPORATED 1949

REV BY	DATE	DESCRIPTION
		ORIGINAL ISSUED DATE :

THOMAS L. JOHNSON, RLA
FLORIDA REG. NO. 6666742

DATE: October 17, 2014

NOTICE:
The electronic file contained herein is prepared by ATKINS, Inc. (the ATKINS) for the exclusive use of the intended recipient (the client) in accordance with any applicable contract between the client and ATKINS. ATKINS makes no warranties, express or implied, to any party except to the client, and accepts no responsibility for any use or reliance upon the electronic file by any third party for any purpose not expressly stated in any applicable contract between the client and ATKINS. This document must be considered in its entirety and in conjunction with any applicable contract between the client and ATKINS. Changes or alterations to this document, whether electronic or in hard copy form, by any party other than ATKINS without the express written consent of ATKINS, is prohibited. In particular, ATKINS shall not be liable for changes or alterations to this document which may have occurred subsequent to the execution of any applicable contract between the client and ATKINS. Any such changes or alterations are made at the sole risk of the party making the changes or alterations. In addition, you agree to indemnify and hold harmless ATKINS from all claims, damages, losses and expenses, including attorneys' fees, arising out of or resulting from changes or alterations to this document by any party other than ATKINS. If there is a discrepancy between the electronic file and the hard copy, the hard copy shall govern. If electronic files are provided to you and you notice any omissions or discrepancies, please notify ATKINS immediately. This document must be considered in its entirety and in conjunction with any applicable contract between the client and ATKINS. Changes or alterations to this document, whether electronic or in hard copy form, by any party other than ATKINS without the express written consent of ATKINS, is prohibited. In particular, ATKINS shall not be liable for changes or alterations to this document which may have occurred subsequent to the execution of any applicable contract between the client and ATKINS. Any such changes or alterations are made at the sole risk of the party making the changes or alterations. In addition, you agree to indemnify and hold harmless ATKINS from all claims, damages, losses and expenses, including attorneys' fees, arising out of or resulting from changes or alterations to this document by any party other than ATKINS. If there is a discrepancy between the electronic file and the hard copy, the hard copy shall govern. If electronic files are provided to you and you notice any omissions or discrepancies, please notify ATKINS immediately. This document is not to be changed electronically unless authorized in writing by ATKINS. Any electronic files shall be used only by qualified recipients for information purposes. The recipient shall not misrepresent these electronic files in any way and recognizes that back-ground data may have been altered unintentionally or otherwise since the electronic files were prepared. No part of these electronic files may be made available to any person or entity that does not accept these terms. By accepting these electronic files, the recipient agrees to indemnify and hold harmless ATKINS for all claims, damages, losses and expenses arising out of or resulting from the use of these electronic files. The recipient's agreement to these terms may be indicated by its use of the electronic files or its failure to object within 30 days after its receipt thereof. In addition to the foregoing, you agree that you will not electronically transmit these electronic files to anyone else without the express written consent of ATKINS, including without limitation, any consultants, subcontractors, clients or governmental agencies. You further agree that you will not remove this boilerplate from these electronic files. These electronic files do not include any information that automatically updates or changes automatically with changes made to any other electronic file, unless it is first compared to the original. ATKINS makes no warranties regarding the long-term compatibility, readability, or usability of these electronic files concerning the accuracy of the information contained in these electronic files when used, modified, reviewed by computer or other electronic means.

CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

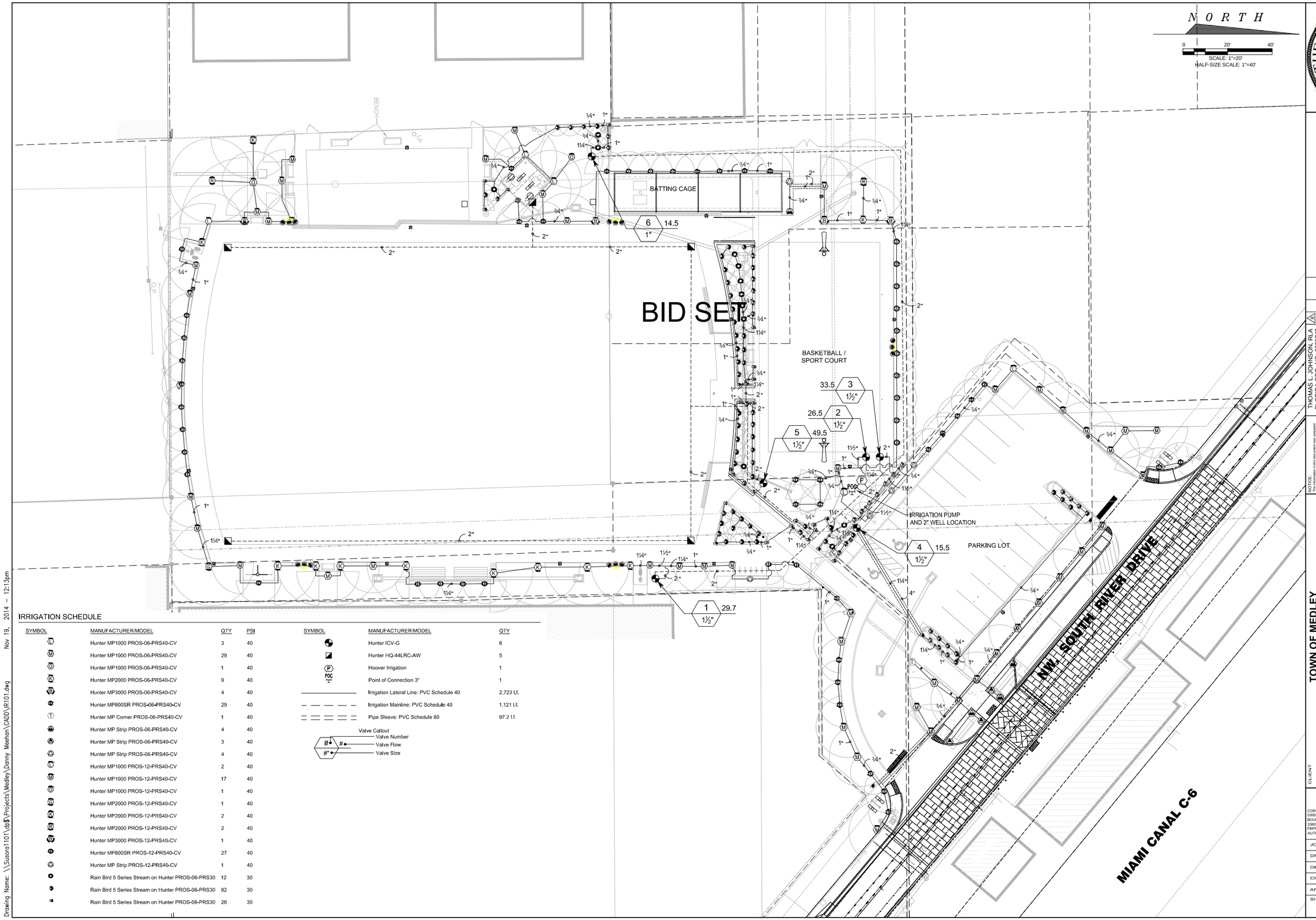
PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: LANDSCAPE NOTES & DETAILS

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	JLK
DESIGN:	TLJ
CHECKED:	HLB
APPROVED:	TLJ
SHEET NO.	L251
REV.	△

User Name: kees1810
Drawing Name: \\Susnas1101\dgn\Projects\Medley\Danny Meehan\CADD\L251.dwg
Nov 19, 2014 - 11:30am



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY	PSI
	Hunter MP1000 PROS-06-PRS40-CV	3	40
	Hunter MP1000 PROS-06-PRS40-CV	29	40
	Hunter MP1000 PROS-06-PRS40-CV	1	40
	Hunter MP2000 PROS-06-PRS40-CV	9	40
	Hunter MP3000 PROS-06-PRS40-CV	4	40
	Hunter MP800SR PROS-06-PRS40-CV	29	40
	Hunter MP Corner PROS-06-PRS40-CV	1	40
	Hunter MP Strip PROS-06-PRS40-CV	4	40
	Hunter MP Strip PROS-06-PRS40-CV	3	40
	Hunter MP Strip PROS-06-PRS40-CV	4	40
	Hunter MP1000 PROS-12-PRS40-CV	2	40
	Hunter MP1000 PROS-12-PRS40-CV	17	40
	Hunter MP1000 PROS-12-PRS40-CV	1	40
	Hunter MP2000 PROS-12-PRS40-CV	1	40
	Hunter MP2000 PROS-12-PRS40-CV	2	40
	Hunter MP2000 PROS-12-PRS40-CV	2	40
	Hunter MP3000 PROS-12-PRS40-CV	1	40
	Hunter MP800SR PROS-12-PRS40-CV	27	40
	Hunter MP Strip PROS-12-PRS40-CV	1	40
	Rain Bird 5 Series Stream on Hunter PROS-06-PRS30	12	30
	Rain Bird 5 Series Stream on Hunter PROS-06-PRS30	82	30
	Rain Bird 5 Series Stream on Hunter PROS-06-PRS30	26	30

SYMBOL	MANUFACTURER/MODEL	QTY
	Hunter ICV-G	6
	Hunter HQ-44LRC-AW	5
P	Hoover Irrigation	1
POC 1"	Point of Connection 3"	1
	Irrigation Lateral Line: PVC Schedule 40	2,723 l.f.
	Irrigation Mainline: PVC Schedule 40	1,121 l.f.
	Pipe Sleeve: PVC Schedule 80	97.2 l.f.

Valve Callout
#: Valve Number
#: Valve Flow
#": Valve Size

THE TOWN OF MEDLEY FLORIDA INCORPORATED 1949

REV BY	DATE	DESCRIPTION
		ORIGINAL ISSUED DATE :

THOMAS L. JOHNSON, RLA
FLORIDA REG. NO. 6666742

DATE: October 17, 2014

NOTICE:
This document was prepared by ATKINS, INC. While ATKINS has exercised reasonable skill and care in preparing this document, it is not to be used for any purpose other than that for which it was prepared and ATKINS accepts no responsibility whatsoever for its use by persons other than its client. This document is the property, and the intellectual property, of ATKINS. Unless otherwise agreed in writing, ATKINS shall not be liable for any loss, damage, alteration or modification which is made to this document by persons other than ATKINS. Changes or additions to this document may be made only by persons authorized by ATKINS in writing. This document comprises the original drawing or data produced by ATKINS and in order to maintain the accuracy of the information contained within it, it should not be altered in any way. If changes, alterations or modifications have been made to this document, or if it has been converted to a different format, or if any part of it is copied, or if it is used for any purpose other than that for which it was originally intended, then ATKINS shall not be responsible for any use of the document or any of the information contained therein unless ATKINS has expressly agreed in writing to such use, or unless it is first compared to the original. ATKINS shall not be responsible for any errors contained in any document which is received by the client or any third party in electronic format. The client shall not be responsible for any errors contained in any document which is received by a third party in electronic format which is subsequently reviewed by comparison with the original hard copy version. Any electronic data issued by ATKINS has been prepared and checked using reasonable skill and care. However, as electronic data can be altered, corrupted, damaged, transformed, infected or affected by third parties, ATKINS shall not be responsible for any such alteration, corruption, damage, transformation, infection or effect. Any use of the electronic data shall be at the user's own risk. Any reliance placed on the electronic data shall be subject to verification by comparison with the original hard copy version. Any amendments to the electronic data made by persons other than ATKINS shall be recorded clearly. Any electronic data issued by the client or any third party for incorporation into ATKINS' work must be checked, approved and verified by the client or third party before use. ATKINS shall not be responsible for any errors in or omissions from the client's or third party's data which are replicated in ATKINS' work. ATKINS shall not be responsible for any errors in or omissions from ATKINS' work which are caused by errors or omissions in the client's or third party's data. Where electronic data supplied by the client or any third party is to be used for setting out purposes, it is the responsibility of the client or third party to ensure that the data is suitable for the purpose, in terms of accuracy, quality and completeness. ATKINS shall not be responsible for any errors in or omissions from setting out which are caused by inaccurate, incomplete or unsuitable data. Where ATKINS has agreed to provide setting out data, ATKINS shall not be responsible for any errors in or omissions from setting out which are caused by inaccurate, incomplete or unsuitable data. Where ATKINS has agreed to provide setting out data, ATKINS shall not be responsible for any errors in or omissions from setting out which are caused by inaccurate, incomplete or unsuitable data.

CLIENT
TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

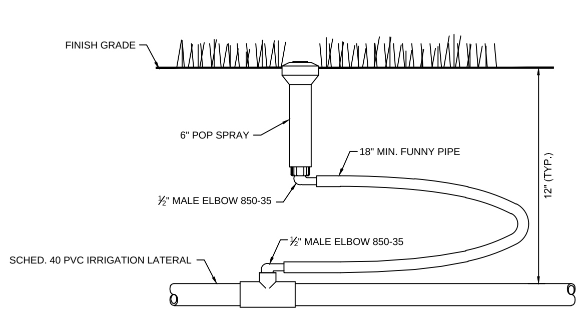
PROJECT
DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE
IRRIGATION PLAN

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPE CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

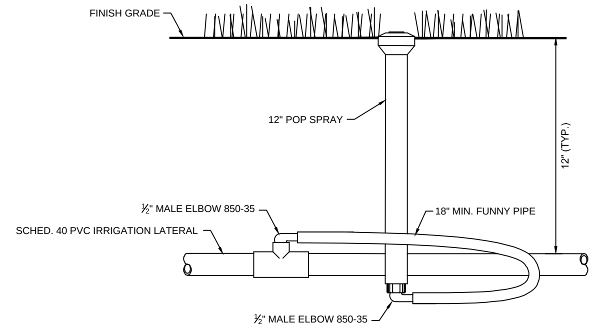
JOB NO.:	100037913
DRAWN:	JLK
DESIGN:	TLJ
CHECKED:	HLB
APPROVED:	TLJ
SHEET NO.	IR101
REV.	△

User Name: kees1810
Drawing Name: \\Suscora1101\dpt\Projects\Medley\Danny Meehan\CADD\IR101.dwg
Nov 19, 2014 – 12:13pm



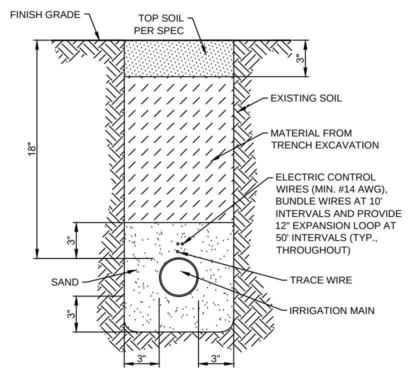
7 ROTARY & BUBBLER NOZZLE ON 6" SPRAY BODY INSTALLATION

SCALE: N.T.S.



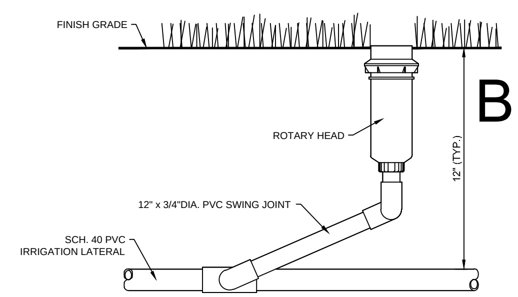
6 ROTARY NOZZLE ON 12" SPRAY BODY INSTALLATION

SCALE: N.T.S.



5 TRENCHING DETAIL

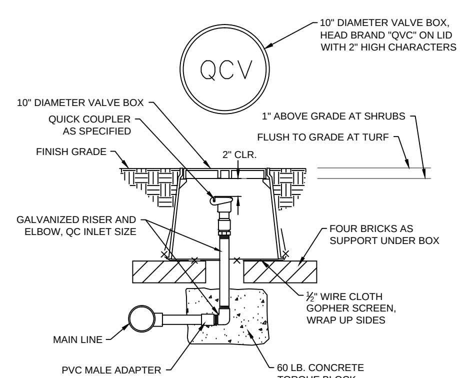
SCALE: N.T.S.



4 FIELD ROTOR INSTALLATION

SCALE: N.T.S.

BID SET

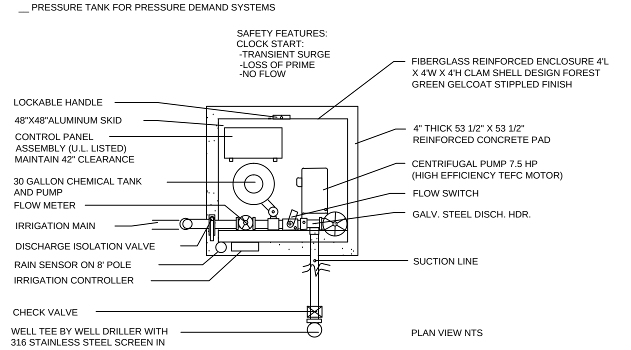


3 QUICK COUPLER VALVE INSTALLATION

SCALE: N.T.S.

NOTE:
SUCTION PIPE SHALL BE SCHED 40 GALVANIZED STEEL WITH GALVANIZED ROLL GROOVE FITTINGS FROM THE PUMP TO THE WELL TEE. CHECK VALVES 3" AND LARGER SHALL BE SWING TYPE, 2" AND SMALLER SHALL BE POPPET STYLE.
MAXIMUM VERTICAL LIFT FROM WELL PUMPING LEVEL TO PUMP PAD ELEVATION IS 10'.
PROVIDE MINIMUM OF 4' CLEARANCE ON ALL SIDES OF PUMP SYSTEMS

* OPTIONAL FEATURES ARE INCLUDED IF MARKED WITH AN "X"
__ PRESSURE CONTROL VALVE
X HUNTER PRO C IRRIGATION CONTROLLER 15 STATIONS WITH RAIN SENSOR ON 8' POLE
__ PRESSURE TANK FOR PRESSURE DEMAND SYSTEMS



PLAN VIEW NTS

PUMP PERFORMANCE
50 GPM @ 164 TDH, 65 PSI

ELECTRIC SERVICE TO BE, IN ORDER OF PREFERENCE:
460V 3-PHASE, 230V CLOSED-DELTA 3-PHASE, 230 OPEN-DELTA 3-PHASE
208 WYE 3-PHASE, 230 1-PHASE, 208V 1-PHASE,

HOOVER PUMPING MODEL: HCF-7.5CS-230/3-C,E-15,M,W,Z

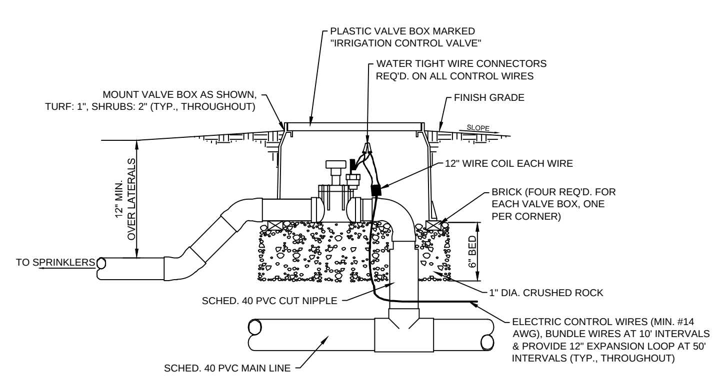
FILE PN13167.DWG 08/14

TOWN OF MEDLEY DANNY MEEHAN PARK CENTRIFUGAL PUMP SYSTEM DETAIL

FIBERGLASS ENCLOSED SINGLE WELL SUCTION
CLOCK START

2 IRRIGATION PUMP DETAIL

SCALE: N.T.S.



1 IRRIGATION VALVE INSTALLATION

SCALE: N.T.S.

IRRIGATION NOTES :

1. THE IRRIGATION CONTRACTOR SHALL BE CERTIFIED BY THE IRRIGATION ASSOCIATION AND SHALL BE ON SITE TO DIRECT ALL IRRIGATION CONSTRUCTION ACTIVITIES.
2. ALL MATERIALS FOR THIS PROJECT SHALL BE NEW. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT PRIOR APPROVAL BY THE PROJECT ENGINEER.
3. PLANS ARE SHOWN SCHEMATICALLY FOR GRAPHIC CLARITY. ALL EQUIPMENT SHALL BE INSTALLED IN PERVIOUS AREA (EXCEPT FOR SLEEVING) AND WITHIN THE RIGHT OF WAY.
4. ALL IRRIGATION COMPONENTS AND THEIR INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES, CONTRACT DRAWINGS, MANUFACTURER RECOMMENDATIONS AND CONTRACT SPECIFICATIONS.
5. THE QUANTITIES ARE SUMMARIZED FOR THE CONVENIENCE OF THE CONTRACTOR AND OF THE ENGINEER. THE IRRIGATION SYSTEM IS A LUMP SUM BID ITEM ALL INCLUSIVE OF LABOR AND MATERIALS REQUIRED FOR A COMPLETED AND TOTALLY FUNCTIONAL, 100% COVERAGE IRRIGATION SYSTEM, INCLUDING WATER AND ELECTRICAL SERVICE CONNECTIONS.
6. THE PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED PRIOR TO START OF CONSTRUCTION.
7. NO EXCAVATION SHALL TAKE PLACE UNTIL ALL EXISTING UTILITIES HAVE BEEN LOCATED ON SITE. CONTACT SUNSHINE STATE ONE CALL, TELEPHONE NUMBER 811, AND THE PUBLIC WORKS DEPARTMENT TWO BUSINESS DAYS PRIOR TO EXCAVATION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS FOR THE PUMP REQUIRED FOR THE PROPOSED IRRIGATION SYSTEM. THE FINALIZED PUMP LOCATION SHALL BE IN CLOSE PROXIMITY TO THE LOCATION PROVIDED IN THE IRRIGATION PLANS AND SHALL BE APPROVED BY THE MAINTAINING AGENCY PRIOR TO CONSTRUCTION.
9. ZONE LINES ARE DESIGNED TO PERFORM AT 30 PSI AT THE LAST HEAD FOR BUBBLER AND SPRAY ZONES AND 60 PSI AT THE LAST HEAD FOR ROTOR ZONES. APPROPRIATE PRESSURE REGULATING ITEMS SHALL BE INSTALLED AS NOTED IN THE PLANS.
10. ZONE LINE PIPING SHALL BE SCHEDULE 40 PVC PLASTIC PIPE OR APPROVED EQUAL.
11. THE IRRIGATION MAIN LINE SHALL BE SCHEDULE 80 PVC INSTALLED 18" BELOW THE FINISHED GRADE OF MEDIANS AND 36" BELOW FINISHED GRADE OF ROADWAY. FINISHED GRADE SHALL BE 2" BELOW TOP OF CURB, ADJACENT PAVEMENT, AND/OR SURROUNDING GROUND.
12. IRRIGATION SLEEVE PIPING SHALL BE SCHEDULE 80 PVC FOR TRENCHES AND DR17 (100PSI) HDPE PIPE FOR DIRECTIONAL BORE ACTIVITIES. SLEEVE SHALL BE NO LESS THAN TWICE THE DIAMETER OF THE PIPE TO BE SET IN IT.
13. IRRIGATION LINES AND FITTINGS SHALL BE SOLVENT WELDED WITH E-2 WELD BLUE GLUE WITH WELD-ON P70 PURPLE PRIMER, OR APPROVED EQUALS.
14. ALL VALVES, FILTERS, GAUGES, ETC., SHALL BE ENCLOSED IN APPROVED VALVE BOXES OF APPROPRIATE SIZE. THESE ITEMS MUST BE EASILY ACCESSIBLE FOR SERVICING AND MAINTENANCE AFTER INSTALLATION OF THE LANDSCAPING.
15. INCLUDE INSTALLATION OF 'TRACE WIRE' ALONG THE MAINLINE.
16. IRRIGATION CONTROL WIRE SHALL BE THERMOPLASTIC SOLID COPPER, SINGLE CONDUCTOR, LOW VOLTAGE, #12 IRRIGATION CONTROL WIRE AND #10 WHITE COMMON WIRE SUITABLE FOR DIRECT BURIAL AND CONTINUOUS OPERATION AT RATED VOLTAGES. MAKE ELECTRICAL CONNECTIONS WITH IRRIGATION GRADE, WATERPROOF CONNECTORS. NUMBER WIRES IN ALL VALVE BOXES, JUNCTION BOXES AND AT THE CONTROLLER. PROVIDE TWO EXTRA SPARE WIRES TO THE LAST VALVE IN EACH DIRECTION.
17. FLUSH ALL LINES FOR A MINIMUM OF TEN MINUTES.
16. AFTER THE SATISFACTORY COMPLETION OF THE MAIN, AND BEFORE BACKFILLING, THE MAIN SHALL BE FILLED WITH WATER AND TESTED FOR PRESSURE AT THE WORKING PRESSURE WITH GAUGES AT OPPOSITE ENDS OF THE SYSTEM. MONITOR FOR TWO HOURS. THERE CAN BE NO PRESSURE LOSS. ALSO EACH ZONE SHALL BE VISUALLY TESTED FOR LEAKAGE.
17. IRRIGATION SYSTEM SHALL BE OPERABLE FOR A MINIMUM OF 48 HOURS PRIOR TO THE LAYING OF SOD. GROUND SHALL BE THOROUGHLY SATURATED PRIOR TO THE LAYING OF SOD.
18. IF ANY COMPONENT OF THE IRRIGATION SYSTEM IS BROKEN DURING CONSTRUCTION, THE IRRIGATION CONTRACTOR WILL BE NOTIFIED IMMEDIATELY. THE IRRIGATION CONTRACTOR SHALL IMMEDIATELY MAKE ALL NECESSARY REPAIRS TO THE IRRIGATION SYSTEM. THE CONTRACTOR SHALL BE AWARE OF ANY EXISTING IRRIGATION SYSTEMS WITHIN THE PROJECT AREA AND ENSURE THAT NO EXISTING IRRIGATION SYSTEMS WILL BE DAMAGED. ANY DAMAGE TO AN EXISTING IRRIGATION SYSTEM SHALL BE FULLY REPAIRED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE FULLY COMPENSATED FOR SUCH REPAIRS BY THOSE RESPONSIBLE FOR THE DAMAGE.
17. AT THE PRE-CONSTRUCTION MEETING THE CONTRACTOR SHALL PROVIDE:
    - CUT SHEETS OF ALL IRRIGATION EQUIPMENT TO BE PROVIDED
    - A UNIT COST BREAKDOWN OF PROPOSED IRRIGATION MATERIALS TO BE INSTALLED
    - AN INSTALLATION SCHEDULE FOR ALL IRRIGATION EQUIPMENT AT EACH AREA OF THE SITE
18. BEFORE THE IRRIGATION IS ACCEPTED THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND ORGANIZING AN OPERATIONAL TRAINING SESSION WITH TOWN STAFF IN THE FILED. THIS MEETING WILL INFORM THE TOWN'S MAINTENANCE STAFF OF THE SYSTEM COMPONENTS AND FUNCTIONALITY.
19. UPON PROJECT ACCEPTANCE THE CONTRACTOR SHALL PROVIDE COPIES OF THE OPERATION MANUAL, MAINTENANCE SCHEDULES, WARRANTIES, AS-BUILTS, IRRIGATION WELL PERMITS AND CONDITIONS, AND ANY OTHER PERTINENT INFORMATION ABOUT THE SYSTEM.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	GPM	RADIUS
L	Hunter MP1000 PROS-06-PRS40-CV	3	210-270	40		14'
M	Hunter MP1000 PROS-06-PRS40-CV	29	45-210	40		14'
O	Hunter MP1000 PROS-06-PRS40-CV	1	360	40	0.75	14'
K	Hunter MP2000 PROS-06-PRS40-CV	9	45-210	40		19'
B	Hunter MP3000 PROS-06-PRS40-CV	4	45-210	40		30'
	Hunter MP800SR PROS-06-PRS40-CV	29	90-210	40		10'
T	Hunter MP Corner PROS-06-PRS40-CV	1	Adj	40		13'
	Hunter MP Strip PROS-06-PRS40-CV	4	LCS	40	0.22	5'x15'
	Hunter MP Strip PROS-06-PRS40-CV	3	RCS	40	0.22	5'x15'
	Hunter MP Strip PROS-06-PRS40-CV	4	SST	40	0.44	5'x30'
L	Hunter MP1000 PROS-12-PRS40-CV	2	210-270	40		14'
M	Hunter MP1000 PROS-12-PRS40-CV	17	45-210	40		14'
O	Hunter MP1000 PROS-12-PRS40-CV	1	360	40	0.75	14'
G	Hunter MP2000 PROS-12-PRS40-CV	1	210-270	40		19'
K	Hunter MP2000 PROS-12-PRS40-CV	2	45-210	40		19'
R	Hunter MP2000 PROS-12-PRS40-CV	2	360	40	1.47	19'
B	Hunter MP3000 PROS-12-PRS40-CV	1	45-210	40		30'
	Hunter MP800SR PROS-12-PRS40-CV	27	90-210	40		10'
	Hunter MP Strip PROS-12-PRS40-CV	1	SST	40	0.44	5'x30'
	Rain Bird 5 Series Stream on Hunter PROS-06-PRS30	12	360	30	1.50	5'
	Rain Bird 5 Series Stream on Hunter PROS-06-PRS30	82	180	30	1.00	5'
	Rain Bird 5 Series Stream on Hunter PROS-06-PRS30	26	90	30	0.50	5'

SYMBOL	MANUFACTURER/MODEL	QTY
	Hunter ICV-G 1"	1
	Hunter ICV-G 1-1/2"	5
	Hunter HQ-44LRC-AW 1"	5
P	Hoover Irrigation	1
POC	Point of Connection 3"	1
	Irrigation Lateral Line: PVC Schedule 40 3/4"	1,555 l.f.
	Irrigation Lateral Line: PVC Schedule 40 1"	493.5 l.f.
	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	545.8 l.f.
	Irrigation Lateral Line: PVC Schedule 40 1 1/2"	55.1 l.f.
	Irrigation Lateral Line: PVC Schedule 40 2"	73.7 l.f.
	Irrigation Mainline: PVC Schedule 40 2"	1,121 l.f.
	Pipe Sleeve: PVC Schedule 80 2"	43.3 l.f.
	Pipe Sleeve: PVC Schedule 80 4"	53.9 l.f.

Valve Callout
Valve Number
Valve Flow
Valve Size

THE QUANTITIES SHOWN ARE APPROXIMATE. SOME QUANTITIES WILL VARY BY METHOD OF INSTALLATION. ALL METHODOLOGY WILL BE WITH THE APPROVAL OF THE ENGINEER.

THE QUANTITIES ARE SUMMARIZED FOR THE CONVENIENCE OF THE CONTRACTOR AND OF THE ENGINEER. THE IRRIGATION SYSTEM IS A LUMP SUM BID ITEM ALL INCLUSIVE OF LABOR AND MATERIALS REQUIRED FOR A COMPLETED AND TOTALLY FUNCTIONAL 100% COVERAGE IRRIGATION SYSTEM, INCLUDING WATER AND FPL SERVICE CONNECTION.

THE TOWN OF MEDLEY · INCORPORATED 1949 · FLORIDA

REV. BY | DATE | DESCRIPTION

ORIGINAL ISSUED DATE :

THOMAS L. JOHNSON, RLA
FLORIDA REG. NO. 6666742

DATE: October 17, 2014

NOTICE:
The information in this document was prepared by ATKINS, INC. While ATKINS has taken all reasonable steps to assure the accuracy of the information contained in this document, it cannot guarantee that changes or alterations to this document will not be made by persons other than ATKINS personnel after the document leaves the possession of ATKINS. Changes or alterations may be safety related and result in damage to property, personal injury or death. If verification of the information contained in this document is needed, contact should be made directly with ATKINS.
This document must be compared to the original hard copy, with certified raised seal, if applicable, in order to insure the accuracy of the information contained therein and to further insure that no changes, alterations or modifications have been made to the document. No reliance should ever be made on a documentation transmitted or reviewed by computer or other electronic means unless it is first compared to the original. ATKINS makes no warranties, express or implied, concerning the accuracy of the information contained in any document transmitted or reviewed by computer or other electronic means.

CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: IRRIGATION NOTES & DETAILS

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	100037913
DRAWN:	JLK
DESIGN:	TLJ
CHECKED:	HLB
APPROVED:	TLJ
SHEET NO.	IR151
REV.	

User Name: kees1810
Drawing Name: \\Susora1101\dp$\Projects\Medley\Danny Meehan\CADD\IR151.dwg Nov 19, 2014 – 12:21pm

SCOPE OF ELECTRICAL WORK NOTES:

ELECTRICAL CONTRACTORS ARE ADVISED THAT THIS PROJECT SHALL BE BID INTO (2) TWO SEPARATE CATEGORIES AS FOLLOWS:

1. OWNER ELECTRICAL CONTRACTOR (OEC) PROVIDED AND/OR INSTALLED ELECTRICAL WORK.
2. SITE ELECTRICAL CONTRACTOR (SEC) PROVIDED AND/OR INSTALLED ELECTRICAL WORK.

OWNER ELECTRICAL CONTRACTORS (OEC) SCOPE OF WORK:

1. COORDINATION WITH MUSCO LIGHTING, INCLUDING BUT NOT LIMITED TO, UNLOADING, ASSEMBLING, AND INSTALLING ALL MUSCO FURNISHED CONTACTOR CONTROL CABINETS, POLES AND FIXTURES (INCLUDING LAMPS).
2. PROVIDE INSTALLATION, BRANCH CONDUCTORS, AND ALL FINAL CONNECTIONS TO ALL MUSCO FURNISHED CONTACTOR CONTROL CABINETS, POLES AND FIXTURES (INCLUDING LAMPS). BALL FIELD LIGHTING BRANCH CIRCUIT CONDUCTORS SHALL BE RUN THE ENTIRE LENGTH FROM MUSCO BALLAST BOX TO FIELD LIGHTING BRANCH CIRCUIT BREAKER VIA MUSCO LIGHTING CONTROL CABINET.
3. PROVIDE CONDUIT AND FITTINGS FROM HANDHOLE AT BASE OF MUSCO LIGHTING POLE TO MUSCO BALLAST BOX.
4. PROVIDE CONDUIT AND FITTINGS FROM STUBBED UP CONDUIT INTO MUSCO LIGHTING CONTROL CABINET.
5. INSTALL MUSCO FURNISHED LIGHTING CONTROL CABINETS IN LOCATION DEDICATED BY SEC. OEC SHALL FURNISH AND INSTALL BRANCH CIRCUIT CONDUIT AND CONDUCTORS BETWEEN SERVING PANELS AND MUSCO LIGHTING CONTROL CABINETS.

SITE ELECTRICAL CONTRACTOR (SEC) SCOPE OF WORK:

1. RESPONSIBLE FOR ALL ELECTRICAL WORK ASSOCIATED WITH THE SITE ELECTRICAL DRAWINGS WITH THE EXCEPTION OF BALL FIELD LIGHTING AS OUTLINED IN THE OEC'S SCOPE OF WORK ABOVE. WORK SHALL INCLUDE, BUT NOT LIMITED TO, TRENCH AND BACKFILL, CONDUIT, AND CONDUCTORS.
2. FURNISH AND INSTALL ALL FLUSH WITH GRADE MOUNTED PULLBOXES, INCLUDING BUT NOT LIMITED TO PULLBOXES AS RELATED TO BALL FIELD (MUSCO) LIGHTING.
3. RESPONSIBLE FOR ALL TRENCH, BACKFILL, BRANCH CONDUITS, INCLUDING BUT NOT LIMITED TO UNDERGROUND CONDUIT FOR MUSCO LIGHTING. CONDUIT SHALL BE STUBBED UP, MARKED, AND CAPPED AT 5'-0" AFG UNDER SPACE DEDICATED FOR MUSCO LIGHTING CONTROL CABINET TO HANDHOLE AT THE BASE OF MUSCO LIGHTING POLE.
4. FURNISH AND INSTALL ALL GEAR AS SHOWN ON SHEET E-300.
5. FURNISH AND INSTALL ALL SITE PARKING AND PATHWAY LIGHTING AND BRANCH CIRCUITING.
6. COORDINATE ALL WORK WITH UTILITY COMPANIES PRIOR TO BID. CONTRACTOR SHALL INCLUDE ALL COSTS ASSOCIATED WITH UTILITY WORK. SEC SHALL BE RESPONSIBLE FOR VERIFYING EXACT UTILITY TERMINATION POINTS AND INCLUDE COSTS IN BID.
7. FURNISH AND INSTALL ALL UTILITY CONDUITS AND CONDUCTORS. CONDUCTORS SHALL BE RUN THE ENTIRE LENGTH WITHOUT SPLICES.
8. PROVIDE SEPARATE PRICING FOR ANY CONTIBUTION-IN-AID (CIA) FOR ANY UTILITY COMPANY CHARGES.
9. COORDINATE PANEL LOCATIONS AND LIGHTING CONTROL PANEL LOCATIONS WITH OEC. SEC SHALL VERIFY DIMENSIONS OF GEAR TO BE FURNISHED AND INSTALLED BY OTHERS AND PROVIDE PROPOSED LOCATIONS.

THE FOLLOWING IS EXCLUDED AND SHALL BE PROVIDED BY OTHER DISCIPLINES AS DETERMINED BY THE GENERAL CONTRACTOR:

1. ACCESS TO ALL SITE AND BALL FIELD POLE LOCATIONS.
2. REPAIR OF SOD, SIDEWALKS, ASPHALT, LANDSCAPING, AND/OR UTILITIES.
3. REMOVAL OF DRILLING SPOILS, TRASH, AND/OR DEBRIS.
4. WATER SOURCE SUCH AS A FIRE HYDRANT OR MAIN WATER LINE.
5. SURVEYED SITE AND BALL FIELD POLE LOCATIONS WITH BALL FIELD AIMING POINTS. ALL SURVEY WORK SHALL BE PROVIDED BY ONE SURVEYOR ONLY.

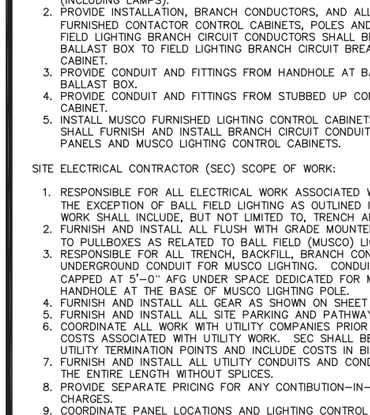
LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	MOUNTING	VOLT	LAMP	REMARKS	INPUT WATTS
SA	PHILLIPS GARDCO	ECF-1-3-105LA-321A-NW-UNV-COLOR BY ARCHITECT-IS	POLE MOUNTED 25'-0" AFG	277	LED WITH FIXTURE	4000K, 70CRI, LED POLE MOUNTED FIXTURE. VERIFY FINISH. TYPE III DISTRIBUTION. SEE DETAIL THIS SHEET.	107
SA POLE	USI	USI34TIIH15-56 W/2&3/8 TENON - COLOR BY ARCHITECT.	DIRECT BURIAL	---	---	34' SQUARE TAPERED DIRECT BURIAL CONCRETE POLE BURRIED 7' BFG MINIMUM.	---
SB	PHILLIPS GARDCO	BR842-42-CWL-NW-180-18-UNV-COLOR BY ARCHITECT	CONCRETE BASE FLUSH WITH GRADE	277	LED WITH FIXTURE	42" AFG, 4000K, 75CRI, ROUND FULL CUTOFF LED BOLLARD. 180 DEGREE DISTRIBUTION. AIM TOWARD WALKWAY.	18
SC	PHILLIPS GARDCO	ECF-1-2-55LA-3253-NW-UNV-COLOR BY ARCHITECT	POLE MOUNTED 12'-0" AFG	277	LED WITH FIXTURE	4000K, 70CRI, LED POLE MOUNTED FIXTURE. VERIFY FINISH. TYPE II DISTRIBUTION. SEE DETAIL THIS SHEET.	52
SC POLE	USI	USI19TIIH15-56 W/2&3/8 TENON - COLOR BY ARCHITECT.	DIRECT BURIAL	---	---	19' SQUARE TAPERED DIRECT BURIAL CONCRETE POLE BURRIED 5' BFG MINIMUM.	---
SD	PHILLIPS GARDCO	ECF-1-5-55LA-3253-NW-UNV-COLOR BY ARCHITECT	POLE MOUNTED 12'-0" AFG	277	LED WITH FIXTURE	4000K, 70CRI, LED POLE MOUNTED FIXTURE. VERIFY FINISH. TYPE V DISTRIBUTION. SEE DETAIL THIS SHEET.	52
SD POLE	USI	USI19TIIH15-56 W/2&3/8 TENON - COLOR BY ARCHITECT.	DIRECT BURIAL	---	---	19' SQUARE TAPERED DIRECT BURIAL CONCRETE POLE BURRIED 5' BFG MINIMUM.	---
A	INSIGHT	WF8-EAS-18-TA(D)-T8324'-2-COLOR BY ARCHITECT-WVS-PL	ARM MOUNTED 18" ARM	277	(2) 32W T8	4' LINEAR SIGN LIGHT WITH SOLID VISOR AND PRISMATIC ACRYLIC LENS	62
B	BEGHELLI	BS100T8-4-HT-232W-120/277V-DPK-TP-OL	6" DOUBLE PENDANT MOUNT	120	(2) 32W T8	WEATHERPROOF VAPORTITE FIXTURE.	62

NOTE:
1. FURNISH AND INSTALL FUSES IN ALL FIXTURES. LOCATE FUSES AT POLE HANDHOLE.
2. CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE IN ALL RESPECTS ALL ITEMS LISTED NO SUBSTITUTIONS.
3. THE CONTRACTOR SHALL SUBMIT CATALOG CUTS OF ALL THE FIXTURES TO THE ENGINEER FOR APPROVAL.
4. ALL FIXTURES SHALL BE FURNISHED WITH BIRD DETERRENT WIRES.
5. ALL FIXTURES SHALL BE CLEAN AT THE TIME OF FINAL INSPECTION.
6. ALL FIXTURES SHALL BE FURNISHED WITH A (10) YEAR FACTORY WARRANTY. SUBMIT WARRANTY WITH CATALOG CUTS.

ELECTRICAL SYMBOL LEGEND

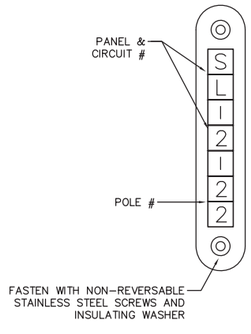
SYMBOL	DESCRIPTION	MOUNTING
	SINGLE POLE MOUNTED LIGHT FIXTURE	SEE FIXTURE SCHEDULE
	SINGLE POLE MOUNTED LIGHT FIXTURE	SEE FIXTURE SCHEDULE
	4' LINEAR FLUORESCENT FIXTURE	SEE FIXTURE SCHEDULE
	BOLLARD	SEE FIXTURE SCHEDULE
	DUPLEX RECEPTACLE (20A., 125V.)	M.H. 18" TO CENTERLINE UNLESS OTHERWISE NOTED
	POWER PANELBOARD	SURFACE 6'-6" A.F.F. TO TOP MAX
'GFI'	DENOTES GROUND FAULT INTERRUPTER TYPE RECEPTACLE.	
WP	'WP' DENOTES WEATHERPROOF IN-USE COVER	
L1A-1,3	HOMERUN TO PANEL, LETTERS INDICATE PANEL, NUMBERS INDICATE CIRCUIT.	SEE GENERAL NOTES
# #	SITE LIGHTING POLE #. '##' INDICATES POLE NUMBER.	SEE POLE IDENTIFICATION DETAIL THIS SHEET



BOLLARD MOUNTING DETAIL

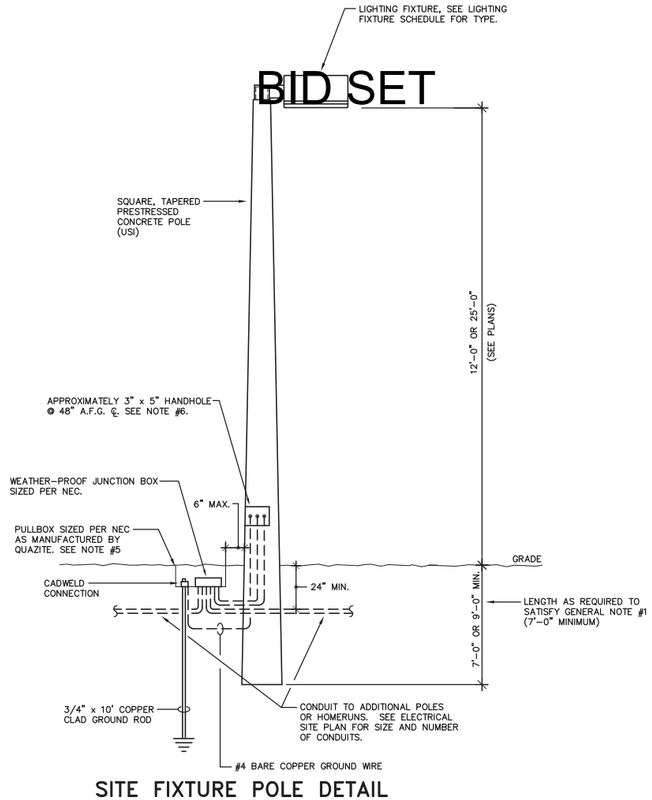
N.T.S.

NOTE: FURNISH AND INSTALL ALL ALUMINUM IDENTIFICATION TAG ON EACH POLE MOUNTED LIGHTING STANDARD. TAGS SHALL BE 2"x 8" IN SIZE WITH BLACK LETTERS ON YELLOW BACKGROUND.



POLE IDENTIFICATION DETAIL

N.T.S.

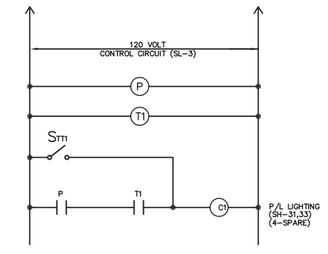


SITE FIXTURE POLE DETAIL

N.T.S.

GENERAL NOTES:

1. CONTRACTOR TO SUBMIT DESIGN WIND LOAD CALCULATIONS CERTIFYING CONFORMANCE OF POLE ASSEMBLY AS DICTATED BY THE 2011 FLORIDA BUILDING CODE. EACH CALCULATION SHALL BE SIGNED AND SEALED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER.
2. FURNISH AND INSTALL BUSSMAN "TRON" TYPE "HEB" IN-LINE WATERPROOF FUSE HOLDERS. FUSE WITH BUSSMAN TYPE "FNM" FUSES, FUSED AT 1.0A. LOCATE FUSES IN POLE HAND HOLE.
3. COORDINATE ALL WORK WITH CIVIL AND LANDSCAPE SITE PLANS.
4. POLES SHALL BE FACTORY EQUIPPED WITH GROUNDING STUDS. EQUIPMENT GROUNDING CONDUCTOR SHALL BE BONDED TO THE GROUND STUD.
5. PULLBOX MANUFACTURED BY QUAZITE W/15,000 LBS DESIGN LOAD TO HAVE HEAVY-DUTY COPOLYMER FULL D.O.T. TRAFFIC RATED HANDHOLE WITH COVER (COVER TO READ "ELECTRICAL"). FURNISH AND INSTALL GRAVEL (1FT.) IN BOTTOM OF PULLBOX FOR DRAINAGE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
6. ROUTE CONDUIT CONTINUOUS THRU POLE ASSEMBLY AND TERMINATE WITH INSULATION BUSHING AT HAND-HOLE WINDOW.



STT1 = 0-2HR. TWIST-TIMER FOR PHOTOCELL/TIMECLOCK OVERRIDE. LABEL "PHOTOCELL/TIMECLOCK OVERRIDE". LABEL "P/L LTG.".
P = 120V PHOTOCELL, TORK OR INTERMATIC. MOUNT ON 3/4" RGS 6" ABOVE TOP OF POST. AIM NORTH.
T1 = ASTRONOMICAL, 120V TIMECLOCK. TORK OR INTERMATIC.
C1 = 30A FULLY-RATED, 6-POLE NORMALLY OPEN ELECTRICALLY HELD LIGHTING CONTACTOR WITH 120 VOLT HOLDING COIL. SQUARE-D TYPE 8903.

SITE LIGHTING CONTROL PANEL DIAGRAM - 'LCP'

NOT TO SCALE

LIGHTING CONTROL GENERAL NOTES:

1. LIGHT CONTROL SHALL BE PHOTOCELL "ON", TIMECLOCK "OFF".
2. MOUNT ALL COMPONENTS SHOWN IN A NEMA 3R ENCLOSURE, U.L. 50 LABELED. ARRANGE ENCLOSURE TO HOUSE ALL COMPONENTS SHOWN, SUBMIT DIMENSIONED DETAIL OF ENCLOSURE SHOWING PLACEMENT OF TERMINAL STRIPS, TIMECLOCKS, LIGHTING CONTACTORS AND TWIST-TIMERS TO THE ELECTRICAL ENGINEER FOR APPROVAL.
3. LAMINATE ONE COPY OF THIS DETAIL AND SECURE IT TO THE INSIDE DOOR OF THE ENCLOSURE.
4. MOUNT CONTACTOR ENCLOSURE ADJACENT TO PANEL 'SH'.

Spectrum consulting engineers, inc.
5327 Loon Nest Court
Apollo Beach, FL 33572
ph: 813.645.8288
Reg. No. EB29566

THE TOWN OF MEDLEY FLORIDA INCORPORATED 1949

REV BY	DATE	DESCRIPTION
		ORIGINAL ISSUED DATE :

DATE: November 19, 2014

NOTICE:
The information in this document was prepared by ATKINS, INC. (FKA ATKINS) has taken all reasonable precautions to ensure that all information contained in this document is correct and will be ready to perform when the project is complete. However, it cannot accept liability for any loss or damage arising from any errors or omissions in the information contained in this document. In addition, ATKINS reserves the right to make changes to the document. No reliance should be placed on any information contained in any unsigned or undated draft copy, with compliance being limited to the terms of the signed and dated version. Any amendments made to the document by anybody other than ATKINS will relieve ATKINS of all responsibility for the document and the amended document may not be used for any purpose without the prior written permission of ATKINS. This document is copyright and may not be reproduced or amended except with the prior written permission of ATKINS. © ATKINS. All rights reserved. Any licence issued by ATKINS for the use of this document will not extend to any third parties. This document is confidential and may not be disclosed by the recipient to any person or entity without the prior written permission of ATKINS. ATKINS accepts no responsibility or liability for any use of this document otherwise than for the purpose for which it was originally issued. ATKINS accepts no responsibility or liability for the conversion of this document to other formats or for any unauthorised alterations made to it by any party. Any such party relying on or using this document does so entirely at its own risk. This notice is not intended to exclude liability for death or personal injury caused by the negligence of ATKINS, its employees or agents.

CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

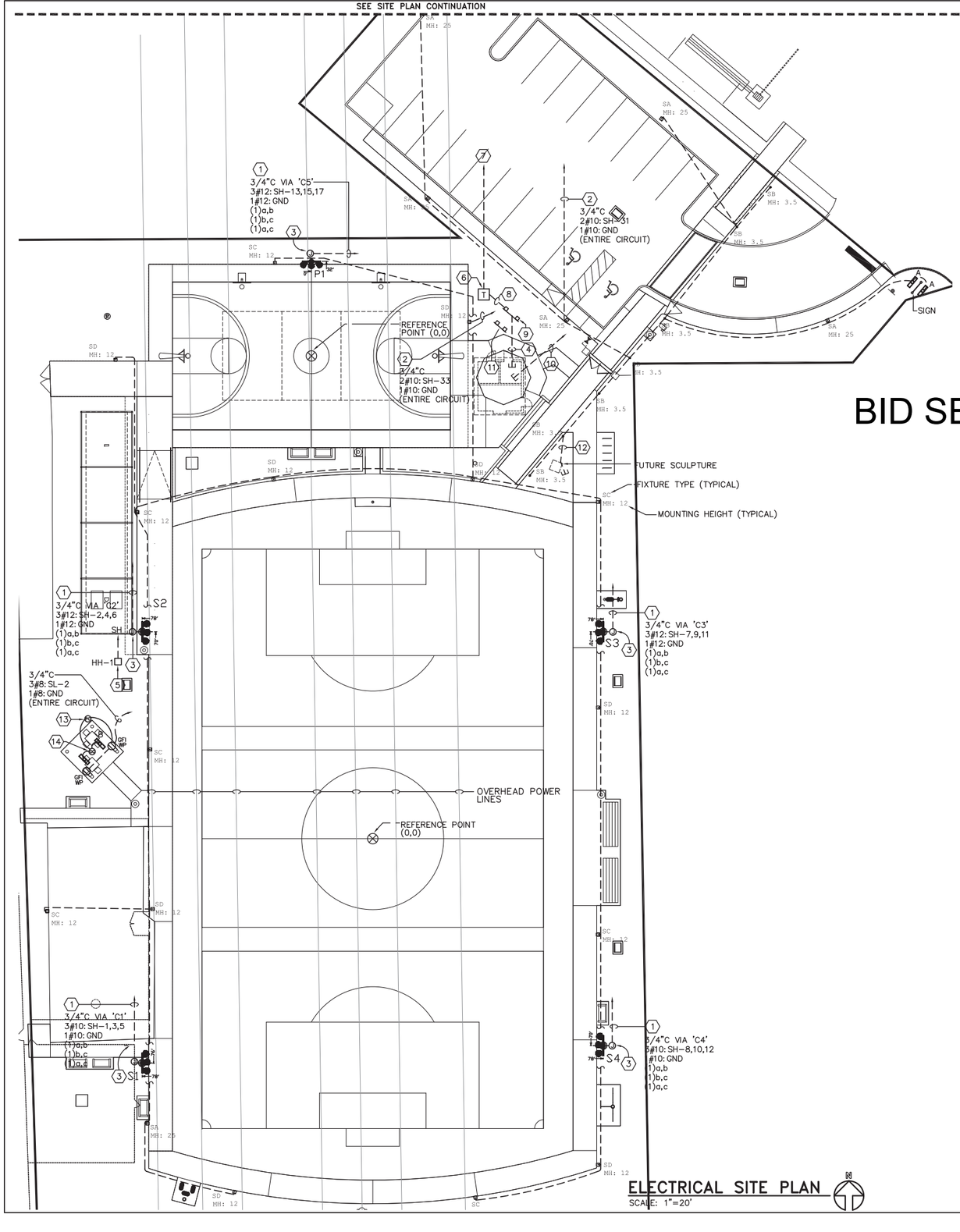
PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: ELECTRICAL LEGEND, SCHEDULES & DETAILS

ATKINS
CORPORATE OFFICE: 5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE: 482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL: 407.647.7275
FAX: 407.806.4500
www.atkinsglobal.com

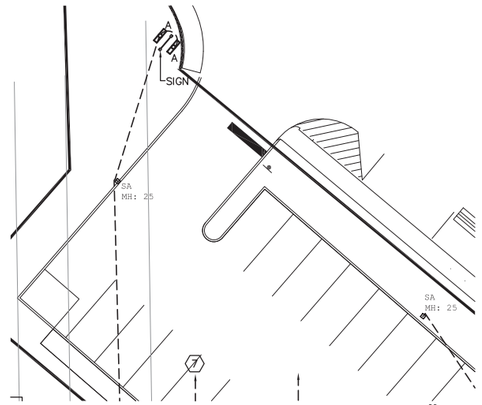
JOB NO.:	22010
DRAWN:	RJ
DESIGN:	RJ/RBJ
CHECKED:	RBJ
APPROVED:	RBJ
SHEET NO.	REV.
E-100	

SEE SITE PLAN CONTINUATION



ELECTRICAL SITE PLAN

SCALE: 1"=20'



ELECTRICAL SITE PLAN (CONTINUED)

SCALE: 1"=20'

BID SET

GENERAL NOTES:

1. CONTRACTOR TO ROUTE ALL UNDERGROUND CONDUITS AROUND BUILDING FOUNDATION, WHERE FEASIBLE.
2. ALL CONDUITS SHALL BE BURRIED AT 36" BGF UNLESS OTHERWISE NOTED.
3. CONDUIT RUNS TO SHARE COMMON TRENCH WHERE FEASIBLE.
4. COORDINATE ALL WORK WITH CIVIL, LANDSCAPE, AND IRRIGATION PLANS.
5. ALL EMPTY CONDUITS SHALL BE FURNISHED WITH PULLSTRING.
6. ALL WORK SHALL BE COORDINATED WITH FPL REPRESENTATIVE MR. WALTER RUMIE @ 305-599-4081 OR WALTER.RUMIE@FPL.COM.
7. CONTRACTOR SHALL INCLUDE ANY CONTRIBUTION IN AID IMPOSED BY UTILITY COMPANIES IN HIS/HER BID.
8. CONTRACTOR TO PROVIDE TRAFIC RATED PULLBOXES AS/IF REQUIRED BY UTILITY COMPANY.
9. COORDINATE ALL UNDERGROUND ROUTING WITH UTILITIES.
10. REFER TO SHEET E-300 FOR PANELBOARD SCHEDULES.
11. REFER TO SHEET E-300 FOR SINGLE-LINE DIAGRAM.

KEYED NOTES:

1. ROUTE CONDUIT AND CONDUCTORS VIA MUSCO FURNISHED/CONTRACTOR INSTALLED FIELD LIGHTING CONTROL CABINET 'LCC'.
2. ROUTE CONDUIT AND CONDUCTORS VIA SITE LIGHTING CONTROL PANEL 'LCP'. REFER TO DETAIL ON SHEET E-100.
3. JUNCTION BOX WITH TOP SET AT 2" A.F.G. (ALLOW FOR SOD). 11"W x 18"L x 12"D HEAVY DUTY COPOLYMER FULL TRAFFIC RATED HANDHOLE WITH COVER. QUAZITE #PG1118BA12/PG1118HA00-17. (COVER LOGO TO READ "ELECTRICAL"). LOCATE JUNCTION BOX WITHIN 10' OF FIELD LIGHT POLE. DO NOT DIMENSION FROM DRAWINGS, USE FIELD LIGHT POLE DIMENSIONS SHOWN WITH REFERENCE POINT SHOWN FOR EACH FIELD. ONCE MUSCO FURNISHES AND INSTALLS POLE EXTEND CONDUIT AND CONDUCTORS FROM JUNCTION BOX UNDERGROUND TO POLE, UP POLE TO MUSCO FURNISHED BALLAST BOX (APPROX. 20' AFG). LEAVE SUFFICIENT CONDUCTOR AT JUNCTION BOX TO AVOID SPLICES. CONDUCTORS SHALL BE RUN CONTINUOUS FROM 'LCC' TO MUSCO FURNISHED BALLAST BOX VIA JUNCTION BOX. FINAL TERMINATION AT BALLAST BOX BY MUSCO.
4. 2" SECONDARY EMPTY CONDUIT WITH PULLSTRING FROM PANEL 'SL' STUBBED UP 2'-0" AFG AT FUTURE CONCESSION BUILDING FOR FUTURE POWER TO FUTURE CONCESSION BUILDING. USE LONG SWEEP ELBOWS.
5. JUNCTION BOX 'HH-1' WITH TOP SET AT 2" A.F.G. (ALLOW FOR SOD) FOR FUTURE POWER FOR EVENTS. 11"W x 18"L x 12"D HEAVY DUTY COPOLYMER FULL TRAFFIC RATED HANDHOLE WITH COVER. QUAZITE #PG1118BA12/PG1118HA00-17. (COVER LOGO TO READ "ELECTRICAL"). ROUTE 1" EMPTY CONDUIT WITH PULLSTRING TO PANEL 'SH'.
6. PROPOSED LOCATION OF FPL'S NEW PAD MOUNTED TRANSFORMER. SEE SINGLE-LINE DIAGRAM ON SHEET E-300.
7. (2) 4" PRIMARY CONDUITS WITH 36" LONG SWEEP ELBOWS, SEE SINGLE-LINE DIAGRAM ON SHEET E-300. BURY CONDUITS @ 42" B.F.G. MINIMUM. PROVIDE PLASTIC WARNING TAPE @ 18" B.F.G. DIRECTLY ABOVE CONDUIT. COORDINATE SPECIFIC REQUIREMENTS, ROUTING, AND TERMINATION POINT WITH FPL.
8. SECONDARY CONDUIT(S) AND CONDUCTORS. SEE SINGLE-LINE DIAGRAM ON SHEET E-300. BURY CONDUIT(S) @ 42" B.F.G. MINIMUM. PROVIDE PLASTIC WARNING TAPE @ 18" B.F.G. DIRECTLY ABOVE CONDUIT(S).
9. APPROXIMATE LOCATION OF MAIN ELECTRICAL SERVICE, PANELS, AND LIGHTING CONTROL PANELS. SEE SINGLE-LINE DIAGRAM ON SHEET E-300.
10. (2) 2" CONDUITS WITH 36" LONG SWEEP ELBOWS FOR FUTURE TELEPHONE AND CABLE. BURY CONDUITS @ 36" B.F.G. MINIMUM. STUB-UP, CAP, AND MARK CONDUITS 6" AFG IN FRONT OF THE FUTURE 'TTB'. COORDINATE EXACT ROUTING AND TERMINATION POINTS WITH TELEPHONE AND CABLE COMPANIES PRIOR TO BID.
11. MOUNT PUMP STATION CONTROL PANEL AND DISCONNECT ON (2) 10' x 6" PRECAST CONCRETE POSTS SET 3'-0" INTO EARTH WITH A 6" DEEP CONCRETE FOOTER AT BASE OF POST. MOUNT EQUIPMENT TO POSTS WITH 3/4" UNI-STRUT. DISCONNECT TO BE A 600V/NEMA 4X/30A/3P/FUSED TO CONTROL PANEL NAMEPLATE DATA. REFER TO SINGLE-LINE DIAGRAM ON SHEET E-300.
12. 3/4" EMPTY CONDUIT STUBBED UP AT 2'-0" AFG FOR FUTURE LIGHTING OF FUTURE SCULPTURE.
13. 120V PHOTOCELL. ROUTE LIGHTING CIRCUIT VIA PHOTOCELL. PHOTOCELL SHALL OVERRIDE OCCUPANCY SENSOR OFF. MOUNT PHOTOCELL 6" ABOVE ROOF ON 3/4" RGS CONDUIT. AIM NORTH.
14. 120V LINE-VOLTAGE PASSIVE INFRARED OCCUPANCY SENSOR RATED FOR WET LOCATIONS. WATT STOPPER NO. HB350W-L3. MOUNT TO BOTTOM OF STRUCTURE.

THE TOWN OF MEDLEY FLORIDA INCORPORATED 1949

REV BY	DATE	DESCRIPTION
		ORIGINAL ISSUED DATE :

DATE: November 19, 2014

NOTICE: Each and every item of information contained in this document was prepared by ATKINS, INC. (formerly known as PRINCIPIA, INC.) and is the property of ATKINS, INC. (formerly known as PRINCIPIA, INC.) and is protected by copyright and other laws. Except as otherwise expressly stated or clearly evidenced in writing, no permission is granted to use any of the information contained in this document, or to copy in any form any part of this document. No alteration of any information contained herein shall be made by any party other than ATKINS, INC. (formerly known as PRINCIPIA, INC.). Any such alteration is made at the sole risk of the party making the alteration and without any liability to ATKINS, INC. (formerly known as PRINCIPIA, INC.). ATKINS, INC. (formerly known as PRINCIPIA, INC.) disclaims any responsibility for or liability for reliance upon this document or any of the information contained in this document by any third party, and for any consequences arising out of any such reliance. Any party relying upon this document or any of the information contained in this document agrees to indemnify ATKINS, INC. (formerly known as PRINCIPIA, INC.) against any liability, loss or damage arising out of or resulting from any use of or reliance upon this document or any of the information contained in this document by any third party. Any unauthorized use, modification, or reproduction of this document is prohibited. ATKINS, INC. (formerly known as PRINCIPIA, INC.) reserves its rights and will seek all available legal remedies for any unauthorized use, modification, or reproduction of this document. All rights reserved.

CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: ELECTRICAL SITE PLAN

ATKINS
CORPORATE OFFICE: 5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE: 482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	22010
DRAWN:	RJ
DESIGN:	RJ/RBJ
CHECKED:	RBJ
APPROVED:	RBJ
SHEET NO.	E-200
REV.	△

Spectrum consulting engineers, inc.
5327 Loon Nest Court
Apollo Beach, FL 33572
ph: 813.645.8288
Reg. No. EB29566

SERVICE ENTRANCE RATED PANEL SH

VOLTAGE 277 / 480 V — PHASE 3 4 W — PH — SIZE 225A MCB — 225A BUS — CABINET SURFACE — RATING 14,000 — NEMA-3R — AIC RATED

NOTE	REMARKS	CKT.BKR. AMPS	P	VA PHASE LOAD A	B	C	CKT.#	BUS A	B	C	CKT.#	VA PHASE LOAD A	B	C	CKT.BKR. AMPS	P	REMARKS	NOTE
	SOCCER FIELD POLE 'S1' VIA RELAY 'C1'	20	3	1776		1776	1	X			2	1776		1776	20	3	SOCCER FIELD POLE 'S2' VIA RELAY 'C2'	
							3		X		4							
							5			X	6							
	SOCCER FIELD POLE 'S3' VIA RELAY 'C3'	20	3	1776		1776	7	X			8	1776		1776	20	3	SOCCER FIELD POLE 'S4' VIA RELAY 'C4'	
							9		X		10							
							11			X	12							
	BASKETBALL POLE 'P1' VIA RELAY 'C5'	20	3	1776		1776	13	X			14							
							15		X		16				20	3	SPARE	
							17			X	18							
	7.5 HP PUMP STATION CONT. PANEL	30	3	4155		4155	19	X			20							
							21		X		22				30	3	SPARE	
							23			X	24							
	SPACE		3				25	X			26							
							27		X		28					3	SPACE	
							29			X	30							
	P/L LIGHTING	20	1	1009			31	X			32				20	1	SPARE	
	PATH LTG	20	1		832		33		X		34				20	1	SPARE	
	SPARE	20	1			300	35			X	36				20	1	SPARE	
	PANEL 'SL' VIA 75 KVA TRANSFORMER	100	3	10305			37	X			38						SURGE PROTECTIVE DEVICE SPD	
					9800		39		X		40				30	3		
						9780	41			X	42							
	TOTAL			20797	20115	19563						3552	3552	3552	TOTAL			

NOTES:

TABULATION	TOTAL LOAD	DEMAND FACTOR	DEMAND LOAD
MEASURED			
LIGHTING	29326	1.25	36657
COOLING			
HEATING			
RECEPTACLE	540	1.00	540
MISCELLANEOUS	28800	1.00	28800
LARGEST MOTOR	12465	1.25	15581
TOTAL DEMAND LOAD			81579 VA
TOTAL DEMAND AMPS			98.1 A

NOTE:
CONTRACTOR IS RESPONSIBLE FOR UPDATING ALL PANEL SCHEDULES WITH CURRENT DESCRIPTIONS OF ALL BRANCH CIRCUIT DESIGNATIONS.

SERVICE ENTRANCE RATED PANEL SL

VOLTAGE 120 / 208 V — PHASE 3 4 W — PH — SIZE 225A MCB — 225A BUS — CABINET SURFACE — RATING 10,000 — NEMA-3R — AIC RATED

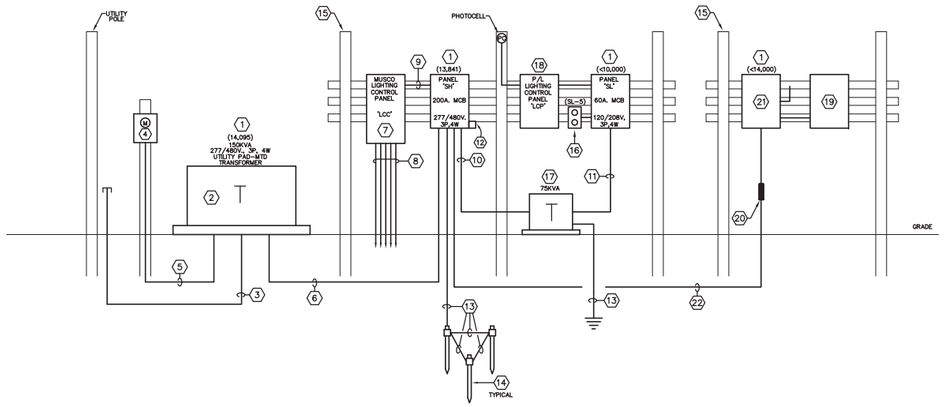
NOTE	REMARKS	CKT.BKR. AMPS	P	VA PHASE LOAD A	B	C	CKT.#	BUS A	B	C	CKT.#	VA PHASE LOAD A	B	C	CKT.BKR. AMPS	P	REMARKS	NOTE
	MUSCO 'LCC'	20	1	221			1	X			2	484			20	1	PICNIC SHELTER	
	P/L 'LCP'	20	1		200		3		X		4				20	1	SPARE	
	RECEPTACLE	20	1			180	5			X	6				20	1	SPARE	
	SPARE	20	1				7	X			8				20	1	SPARE	
	SPARE	20	1				9		X		10				20	1	SPARE	
	SPARE	20	1				11			X	12				20	1	SPARE	
	SPARE	20	1				13	X			14				20	1	SPARE	
	SPARE	20	1				15		X		16				20	1	SPARE	
	SPARE	20	1				17			X	18				20	1	SPARE	
	SPARE	20	1				19	X			20				20	1	SPARE	
	SPARE	20	1				21		X		22				20	1	SPARE	
	SPARE	20	1				23			X	24				20	1	SPARE	
	SPARE	20	1				25	X			26				20	1	SPARE	
	SPARE	20	1				27		X		28				20	1	SPARE	
	SPARE	20	1				29			X	30				20	1	SPARE	
	SPARE	20	1				31	X			32				20	1	SPARE	
	SPARE	20	1				33		X		34				20	1	SPARE	
	SPARE	20	1				35			X	36				20	1	SPARE	
	FUTURE			9600			37	X			38							
	CONCESSION BUILDING	100	3		9600		39		X		40					3	SPACE	
						9600	41			X	42							
	TOTAL			9821	9800	9780						484			TOTAL			

NOTES:

BID SET

TABULATION	TOTAL LOAD	DEMAND FACTOR	DEMAND LOAD
MEASURED			
LIGHTING	545	1.25	681
COOLING			
HEATING			
RECEPTACLE	540	1.00	540
MISCELLANEOUS	28800	1.00	28800
LARGEST MOTOR			
TOTAL DEMAND LOAD			30021 VA
TOTAL DEMAND AMPS			83.3 A

NOTE:
CONTRACTOR IS RESPONSIBLE FOR UPDATING ALL PANEL SCHEDULES WITH CURRENT DESCRIPTIONS OF ALL BRANCH CIRCUIT DESIGNATIONS.



SINGLE–LINE DIAGRAM
N.T.S.

SINGLE–LINE GENERAL NOTES:

1. ALL WORK SHALL BE COORDINATED WITH FPL REPRESENTATIVE MR. WALTER RUMIE @ 305–599–4081 OR WALTER.RUMIE@FPL.COM.

⬡ SINGLE–LINE KEYED NOTES:

1. MAXIMUM SYMMETRICAL RMS FAULT CURRENT. ALL PANELBOARDS AND BREAKERS SHALL BE CAPABLE OF WITHSTANDING THE MOMENTARY FAULT CURRENT SHOWN. SERIES RATING SHALL NOT BE PERMITTED.
2. 277/480V., 3P., 4W., PAD MOUNTED UTILITY TRANSFORMER. CONCRETE PAD PER FPL'S SPECIFICATIONS BY CONTRACTOR. CT'S LOCATED ON THE SECONDARY SIDE OF THE UTILITY TRANSFORMER BY FPL.
3. (2) 4" PRIMARY CONDUITS. REFER TO SHEET E–200. TURN AND CAP CONDUITS AT UTILITY POLE USING 36" LONG SWEEP ELBOWS. PROVIDE PULLSTRING. COORDINATE SPECIFIC REQUIREMENTS WITH UTILITY COMPANY.
4. METER SOCKET FURNISHED AND INSTALLED BY CONTRACTOR PER FPL'S SPECIFICATIONS. METER BY FPL. MOUNT METER SOCKET TO 10'x6" PRECAST CONCRETE POST SET 3'–0" INTO EARTH WITH A 6" DEEP CONCRETE FOOTER AT BASE OF POST. LOCATE WITHIN 10' OF UTILITY TRANSFORMER. COORDINATE EXACT LOCATION WITH FPL.
5. 1 1/2" RGS CONDUIT, BY CONTRACTOR, FOR METERING CONDUCTORS, BY FPL.
6. 4 NO. 4/0 CU – 2"C. EACH.
7. FIELD LIGHTING CONTROL CABINET. FURNISHED BY MUSCO, INSTALLED BY CONTRACTOR. ROUTE 2 NO. 12 CU AND 1 NO. 12 CU EG – 1/2"C TO 'SL–1' FOR MUSCO LIGHTING CONTROL PANEL CONTROL CIRCUIT.
8. BRANCH CIRCUIT CONDUITS AND CONDUCTORS TO FIELD LIGHTING POLES.
9. (2) 2"C. WITH BRANCH CIRCUIT CONDUCTORS.
10. 3 NO. 1 CU & 1 NO. 6 CU EG – 1 1/2"C.
11. 4 NO. 4/0 CU & 1 NO. 2 CU EG – 2 1/2"C.
12. SPD UNIT. ATLANTIC SCIENTIFIC #16404.
13. NO. 2 AWG CU. GROUNDING ELECTRODE CONDUCTOR.
14. 3/4" X 10'–0" COPPER CLAD DRIVEN GROUND ROD. PLACE A MINIMUM OF 10'–0" APART. GROUNDING SYSTEM MUST BE TESTED AND BE 5 OHMS OR LESS. ADD ADDITIONAL GROUND RODS AS REQUIRED TO ACHIEVE.
15. 10' x 6" PRECAST CONCRETE POSTS SET 3'–0" INTO EARTH WITH A 6" DEEP CONCRETE FOOTER AT BASE OF POST. MOUNT SHOWN EQUIPMENT TO POSTS WITH 3/4" UNI–STRUT. PAINT UNI–STRUT. COLOR BY ARCHITECT OR OWNER.
16. 120V, 20A–1P, GFCI, RECEPTACLE WITH WEATHERPROOF COVER. CONNECT TO INDICATED CIRCUIT WITH 2 NO. 12 CU & 1 NO. 12 CU EG – 3/4"C.
17. 480V–120/208V., 3–PHASE, 80 DEGREE C RISE, DRY–TYPE, STEP–DOWN TRANSFORMER IN WEATHERPROOF ENCLOSURE. KVA INDICATED. LIMIT SECONDARY CONDUCTOR LENGTH TO 10'–0" MAX. PROVIDE FLEXIBLE CONNECTION TO FINAL 2'–0" PRIMARY AND SECONDARY CONDUIT. DO NOT STUB CONDUIT INTO BOTTOM OF TRANSFORMER. CONDUIT ENTRIES SHALL BE MADE ON SIDES BELOW MANUFACTURERS MAXIMUM ALLOWABLE HEIGHT. GROUND AND BOND 'XO' VIA INDICATED CONDUCTOR TO SERVICE ENTRANCE GROUNDING ELECTRODE CONDUCTOR VIA EXOTHERMAL WELD. FURNISH AND INSTALL TRANSFORMER ON 8" CONCRETE HOUSEKEEPING PAD.
18. EXTERIOR SITE LIGHTING CONTROL PANEL. FURNISHED AND INSTALLED BY CONTRACTOR. ROUTE 2 NO. 12 CU AND 1 NO. 12 CU EG – 1/2"C TO 'SL–3' FOR TIMECLOCK AND CONTACTOR CONTROL. REFER TO DETAIL ON SHEET E–100.
19. PUMP STATION CONTROL PANEL FURNISHED BY OTHERS INSTALLED BY CONTRACTOR.
20. PROVIDE SEAL–OFFS AS/IF REQUIRED. COORDINATE WITH PUMP STATION SUPPLIER.
21. PUMP STATION DISCONNECT SWITCH 600V/NEMA 4X/30A/3P/FUSED TO CONTROL PANEL NAMEPLATE DATA.
22. 3 NO. 10 CU & 1 NO. 10 CU EG – 3/4"C.

Spectrum consulting engineers, inc.
5327 Loon Nest Court
Apollo Beach, FL 33572
ph: 813.645.8288
Reg. No. EB29566

THE TOWN OF MEDLEY FLORIDA — INCORPORATED 1949

REV. BY	DATE	DESCRIPTION
		ORIGINAL ISSUED DATE :

DATE: November 19, 2014

NOTICE: The information in this document was prepared by ATKINS, ERC, Walt, ATKINS has taken all reasonable professional care in the preparation of the information contained in this document. ATKINS cannot accept responsibility for any use of or reliance upon the information contained in this document by any third party other than the party who commissioned it. Any such third party use or reliance is entirely at its own risk and ATKINS accepts no responsibility whatsoever in respect of it. Any third party who uses or relies upon the information contained in this document agrees to indemnify ATKINS on an after-tax basis against any claims, costs, expenses and damages made against or suffered by ATKINS as a result of any breach of this notice by that third party. This document is copyright and the intellectual property rights in it are and remain the property of ATKINS. Any unauthorised reproduction or modification of the information contained in this document is strictly prohibited. Any data in electronic form is provided for information purposes only and its accuracy cannot be guaranteed. Any changes made to the data after it is issued cannot be tracked. ATKINS accepts no responsibility for any unauthorised changes made to the data by others. In preparing any electronic copies of the data for their own use, recipients are responsible for virus checking the information. Any software provided in connection with this document is subject to the terms of the licence under which it is supplied by ATKINS. Unless otherwise agreed in writing by ATKINS, no other use of this software is permitted and all warranties, conditions and liabilities arising from the use of the software are excluded. This document is confidential and is intended solely for the use of the client for the purposes for which it was prepared. It should not be used in whole or in part for any other purpose. No one shall be entitled to rely on the contents of this document for any purpose whatsoever unless and until they enter into a written agreement with ATKINS on terms agreed by ATKINS. Unless otherwise agreed in writing by ATKINS, ATKINS shall have no duty or responsibility (whether in contract or in tort or otherwise) to any party in respect of this document, and ATKINS accepts no responsibility whatsoever for the consequences of any use of or reliance upon this document by any party, and no party should rely on the document for any purpose whatsoever. The document is solely for the use of the client. Unless otherwise agreed in writing by ATKINS, no part of this document may be copied, reproduced, stored in a retrieval system or transmitted in any form or by any means (electronic, mechanical, photocopying, recording or otherwise) to any party without the prior written permission of ATKINS. If you have received this document by mistake, please notify ATKINS who is the author of the document, quoting the name of the document and the project to which it relates and then delete the document from your system.

CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: ELECTRICAL SINGLE -LINE DIAGRAM, & PANEL SCHEDULES

ATKINS
CORPORATE OFFICE: 5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607 FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE: 482 SOUTH KELLER ROAD ORLANDO, FL 32810 TEL. 407.647.7275 FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	22010
DRAWN:	RJ
DESIGN:	RJ/RBJ
CHECKED:	RBJ
APPROVED:	RBJ
SHEET NO.	E-300
REV.	△

LIGHTING FIXTURE SCHEDULE

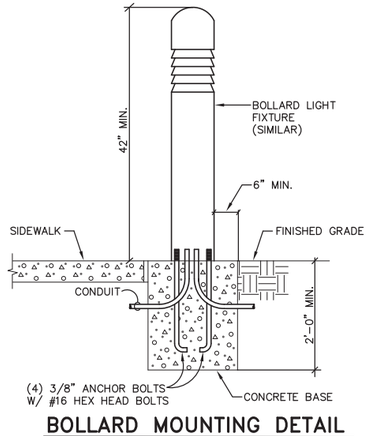
TYPE	MANUFACTURER	CATALOG NO.	MOUNTING	VOLT	LAMP	REMARKS	INPUT WATTS
SA	PHILLIPS GARDCO	ECF-1-3-1C5LA-321A-NW-UNV-COLOR BY ARCHITECT-IS	POLE MOUNTED 25'-0" AFG	277	LED WITH FIXTURE	4000K, 70CRI, LED POLE MOUNTED FIXTURE, VERIFY FINISH. TYPE III DISTRIBUTION. SEE DETAIL THIS SHEET.	107
SA POLE	USI	USI34TIIH15-56 W/2&3/8 TENON - COLOR BY ARCHITECT.	DIRECT BURIAL	---	---	34' SQUARE TAPERED DIRECT BURIAL CONCRETE POLE BURRIED 7' BFG MINIMUM.	---
SB	PHILLIPS GARDCO	BR842-42-CWL-NW-180-18-UNV-COLOR BY ARCHITECT	CONCRETE BASE FLUSH WITH GRADE	277	LED WITH FIXTURE	42" AFG, 4000K, 75CRI, ROUND FULL CUTOFF LED BOLLARD. 180 DEGREE DISTRIBUTION. AIM TOWARD WALKWAY.	18
SC	PHILLIPS GARDCO	ECF-1-2-55LA-3253-NW-UNV-COLOR BY ARCHITECT	POLE MOUNTED 12'-0" AFG	277	LED WITH FIXTURE	4000K, 70CRI, LED POLE MOUNTED FIXTURE, VERIFY FINISH. TYPE II DISTRIBUTION. SEE DETAIL THIS SHEET.	52
SC POLE	USI	USI19TIIH15-56 W/2&3/8 TENON - COLOR BY ARCHITECT.	DIRECT BURIAL	---	---	19' SQUARE TAPERED DIRECT BURIAL CONCRETE POLE BURRIED 5' BFG MINIMUM.	---
SD	PHILLIPS GARDCO	ECF-1-5-55LA-3253-NW-UNV-COLOR BY ARCHITECT	POLE MOUNTED 12'-0" AFG	277	LED WITH FIXTURE	4000K, 70CRI, LED POLE MOUNTED FIXTURE, VERIFY FINISH. TYPE V DISTRIBUTION. SEE DETAIL THIS SHEET.	52
SD POLE	USI	USI19TIIH15-56 W/2&3/8 TENON - COLOR BY ARCHITECT.	DIRECT BURIAL	---	---	19' SQUARE TAPERED DIRECT BURIAL CONCRETE POLE BURRIED 5' BFG MINIMUM.	---
A	INSIGHT	WF6-EAS-18-TA(D)-T8324'-2-COLOR BY ARCHITECT-WVS-PL	ARM MOUNTED 18" ARM	277	(2) 32W T8	4' LINEAR SIGN LIGHT WITH SOLID VISOR AND PRISMATIC ACRYLIC LENS	62
B	BEGHELLI	BS100T8-4-HT-232W-120/277V-DPK-TP-OL	6" DOUBLE PENDANT MOUNT	120	(2) 32W T8	WEATHERPROOF VAPORTITE FIXTURE.	62

NOTE:
1. FURNISH AND INSTALL FUSES IN ALL FIXTURES. LOCATE FUSES AT POLE HANDHOLE.
2. CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE IN ALL RESPECTS ALL ITEMS LISTED. NO SUBSTITUTIONS.
3. THE CONTRACTOR SHALL SUBMIT CATALOG CUTS OF ALL THE FIXTURES TO THE ENGINEER FOR APPROVAL.
4. ALL FIXTURES SHALL BE FURNISHED WITH BIRD DETERRENT WIRES.
5. ALL FIXTURES SHALL BE CLEAN AT THE TIME OF FINAL INSPECTION.
6. ALL FIXTURES SHALL BE FURNISHED WITH A (10) YEAR FACTORY WARRANTY. SUBMIT WARRANTY WITH CATALOG CUTS.

ELECTRICAL SYMBOL LEGEND

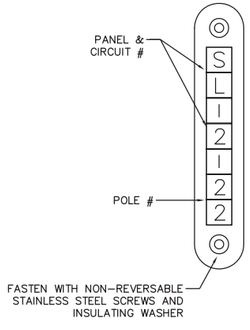
SYMBOL	DESCRIPTION	MOUNTING
	SINGLE POLE MOUNTED LIGHT FIXTURE	SEE FIXTURE SCHEDULE
	SINGLE POLE MOUNTED LIGHT FIXTURE	SEE FIXTURE SCHEDULE
	BOLLARD	SEE FIXTURE SCHEDULE
	POWER PANELBOARD	SURFACE 6'-6" A.F.F. TO TOP MAX
'GFI'	DENOTES GROUND FAULT INTERRUPTER TYPE RECEPTACLE.	
WP	'WP' DENOTES WEATHERPROOF	
L1A-1,3	HOMERUN TO PANEL, LETTERS INDICATE PANEL, NUMBERS INDICATE CIRCUIT.	SEE GENERAL NOTES
# #	SITE LIGHTING POLE #. '##' INDICATES POLE NUMBER.	SEE POLE IDENTIFICATION DETAIL THIS SHEET

BID SET

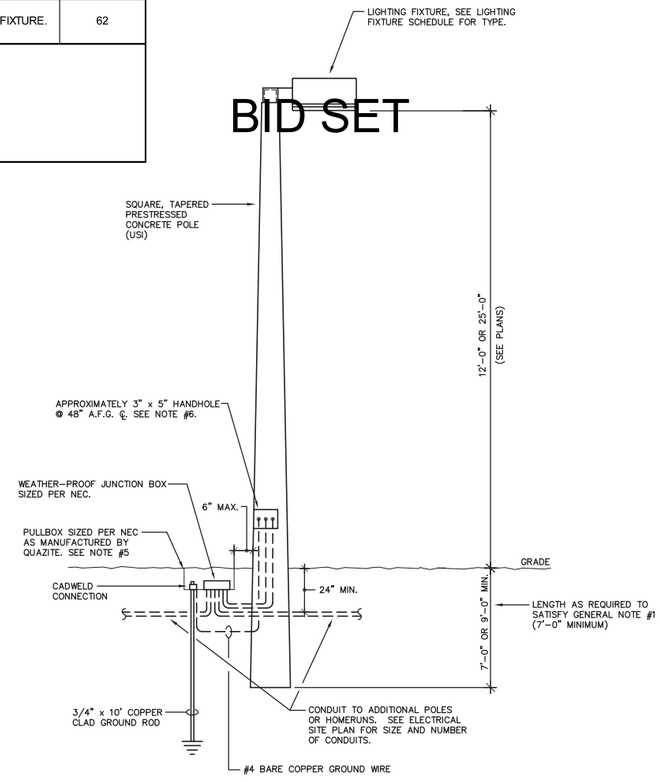


BOLLARD MOUNTING DETAIL
N.T.S.

NOTE: FURNISH AND INSTALL ALL ALUMINUM IDENTIFICATION TAG ON EACH POLE MOUNTED LIGHTING STANDARD. TAGS SHALL BE 2"x 8" IN SIZE WITH BLACK LETTERS ON YELLOW BACKGROUND.



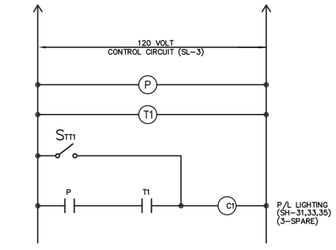
POLE IDENTIFICATION DETAIL
N.T.S.



SITE FIXTURE POLE DETAIL
N.T.S.

GENERAL NOTES:

1. CONTRACTOR TO SUBMIT DESIGN WIND LOAD CALCULATIONS CERTIFYING CONFORMANCE OF POLE ASSEMBLY AS DICTATED BY THE 2011 FLORIDA BUILDING CODE. EACH CALCULATION SHALL BE SIGNED AND SEALED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER.
2. FURNISH AND INSTALL BUSSMAN "TRON" TYPE "HEB" IN-LINE WATERPROOF FUSE HOLDERS. FUSE WITH BUSSMAN TYPE "FNM" FUSES, FUSED AT 1.0A. LOCATE FUSES IN POLE HAND HOLE.
3. COORDINATE ALL WORK WITH CIVIL AND LANDSCAPE SITE PLANS.
4. POLES SHALL BE FACTORY EQUIPPED WITH GROUNDING STUDS. EQUIPMENT GROUNDING CONDUCTOR SHALL BE BONDED TO THE GROUND STUD.
5. PULLBOX MANUFACTURED BY QUAZITE W/15,000 LBS DESIGN LOAD TO HAVE HEAVY-DUTY COPOLYMER FULL D.O.T. TRAFFIC RATED HANDHOLE WITH COVER (COVER TO READ "ELECTRICAL"). FURNISH AND INSTALL GRAVEL (1FT.) IN BOTTOM OF PULLBOX FOR DRAINAGE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
6. ROUTE CONDUIT CONTINUOUS THRU POLE ASSEMBLY AND TERMINATE WITH INSULATION BUSHING AT HAND-HOLE WINDOW.



STT1 = 0-2HR. TWIST-TIMER FOR PHOTOCELL/TIMECLOCK OVERRIDE. LABEL "PHOTOCELL/TIMECLOCK OVERRIDE". LABEL "P/L LTG.".
P = 120V PHOTOCELL, TORK OR INTERMATIC. MOUNT ON 3/4" RGS 6" ABOVE TOP OF POST. AIM NORTH.
T1 = ASTRONOMICAL, 120V TIMECLOCK. TORK OR INTERMATIC.
C1 = 30A FULLY-RATED, 6-POLE NORMALLY OPEN ELECTRICALLY HELD LIGHTING CONTACTOR WITH 120 VOLT HOLDING COIL. SQUARE-D TYPE 8903.

SITE LIGHTING CONTROL PANEL DIAGRAM - 'LCP'
NOT TO SCALE

LIGHTING CONTROL GENERAL NOTES:

1. LIGHT CONTROL SHALL BE PHOTOCELL "ON", TIMECLOCK "OFF".
2. MOUNT ALL COMPONENTS SHOWN IN A NEMA 3R ENCLOSURE, U.L. 50 LABELED. ARRANGE ENCLOSURE TO HOUSE ALL COMPONENTS SHOWN, SUBMIT DIMENSIONED DETAIL OF ENCLOSURE SHOWING PLACEMENT OF TERMINAL STRIPS, TIMECLOCKS, LIGHTING CONTACTORS AND TWIST-TIMERS TO THE ELECTRICAL ENGINEER FOR APPROVAL.
3. LAMINATE ONE COPY OF THIS DETAIL AND SECURE IT TO THE INSIDE DOOR OF THE ENCLOSURE.
4. MOUNT CONTACTOR ENCLOSURE ADJACENT TO PANEL 'SH'.

Spectrum consulting engineers, inc.
5327 Loon Nest Court
Apollo Beach, FL 33572
ph: 813.645.8288
Reg. No. EB29566

THE TOWN OF MEDLEY FLORIDA INCORPORATED 1949

REV BY	DATE	DESCRIPTION
		ORIGINAL ISSUED DATE :

DATE: November 19, 2014

NOTICE:
The information in this document was prepared by ATKINS, INC. (FKA PARAMETRIX) has taken all reasonable steps to ensure that the information contained in this document is correct and complete. However, it cannot accept any liability for any loss or damage arising from the use of the information contained in this document in any way whatsoever. Any person using the information contained in this document does so at their own risk and shall indemnify ATKINS, INC. in respect of any claim, loss or damage arising from such use. This document is not to be used for any purpose other than that for which it was originally made for the document. No reliance should ever be placed on a document in electronic format prepared by computer or other electronic means by any party other than the original recipient. ATKINS makes no warranties, express or implied, that the electronic data prepared by it is compliant to any document transmittal or interface requirements of any other electronic means.

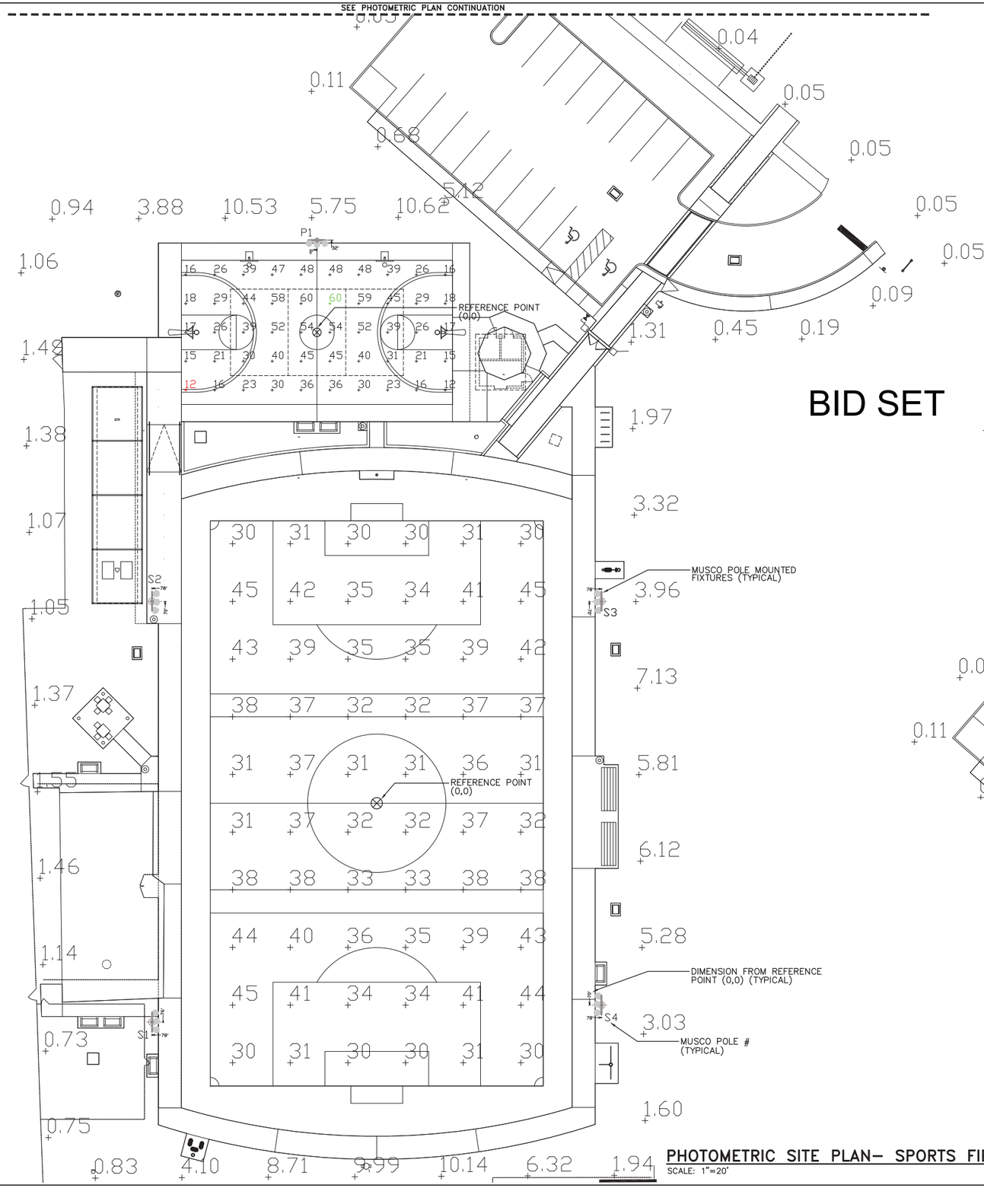
CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: PHOTOMETRIC LEGEND, SCHEDULES & DETAILS

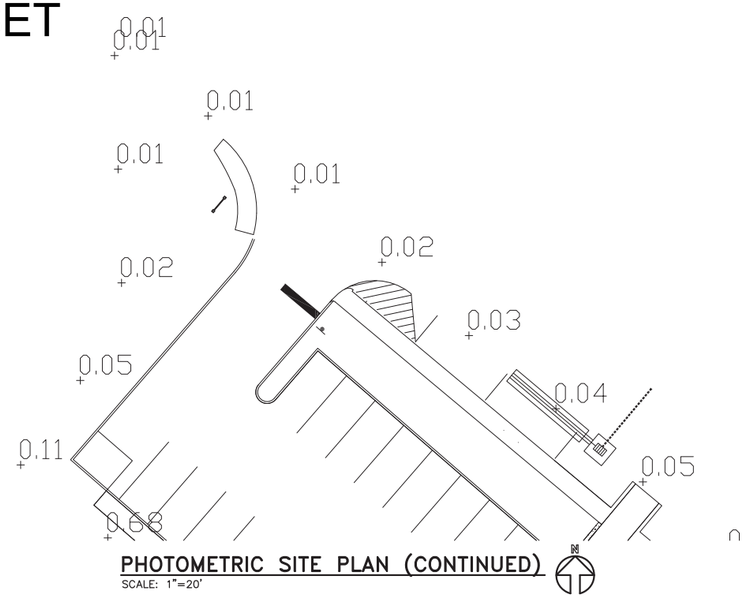
ATKINS
CORPORATE OFFICE: 5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE: 482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL: 407.647.7275
FAX: 407.806.4500
www.atkinsglobal.com

JOB NO.:	22010
DRAWN:	RJ
DESIGN:	RJ/RBJ
CHECKED:	RBJ
APPROVED:	RBJ
SHEET NO.	REV.
PS-100	



PHOTOMETRIC SITE PLAN– SPORTS FIELDS
SCALE: 1"=20'

BID SET



PHOTOMETRIC SITE PLAN (CONTINUED)
SCALE: 1"=20'

GENERAL NOTES:

1. BALL FIELD PHOTOMETRIC VALUES CALCULATED AND PRODUCED BY MUSCO LIGHTING AND ARE SHOWN FOR REFERENCE ONLY.
2. REFER TO MUSCO LIGHTING PLANS FOR ADDITIONAL INFORMATION AND GUARANTEED PERFORMANCE ILLUMINATION SUMMARY.
3. ALL BALL FIELD LIGHTING PHOTOMETRIC VALUES ARE CALCULATED AT 3'–0" A.F.G.
4. ALL PEDESTRIAN AND PARKING LOT PHOTOMETRIC VALUES ARE CALCULATED AT GRADE.
5. ALL NUMBERS REPRESENT PHOTOMETRIC VALUES IN FOOTCANDLES.
6. BALL FIELD LIGHTING DOES NOT CONTRIBUTE TO ROADWAY AND PARKING PHOTOMETRIC VALUES. BALL FIELD LIGHTING, AND PEDESTRIAN AND PARKING LIGHTING ARE RUN INDEPENDANTLY FROM ONE ANOTHER.
7. SEE LIGHTING FIXTURE SCHEDULE ON SHEET PS–100 FOR FIXTURE TYPES AND MOUNTING HEIGHTS.

THE TOWN OF MEDLEY FLORIDA

BY	DATE	DESCRIPTION
		ORIGINAL ISSUED DATE :

DATE: November 19, 2014

NOTICE:
Each set in this document was prepared by ATKINS, INC. (CFN#) has been compiled with the intention that the entire information contained in the document is signed, sealed and dated by a professional engineer and all parts thereof are to be read in connection with each other. Any reuse without written consent by ATKINS for any other project shall be at the user's sole risk and without liability to ATKINS. Unauthorized use of this document is prohibited by law. Any unauthorized use of this document will be subject to legal action. Unauthorized use includes, but is not limited to, reproduction of this document in whole or in part, or modification of this document in any manner, except by the author. Unauthorized use also includes the use of this document for any purpose not specifically intended by the author. Unauthorized use also includes the use of this document by any party who has not entered into a written agreement with the author specifically allowing such use. Unauthorized use also includes the use of this document by any party who has not entered into a written agreement with the author specifically allowing such use. Unauthorized use also includes the use of this document by any party who has not entered into a written agreement with the author specifically allowing such use.

CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

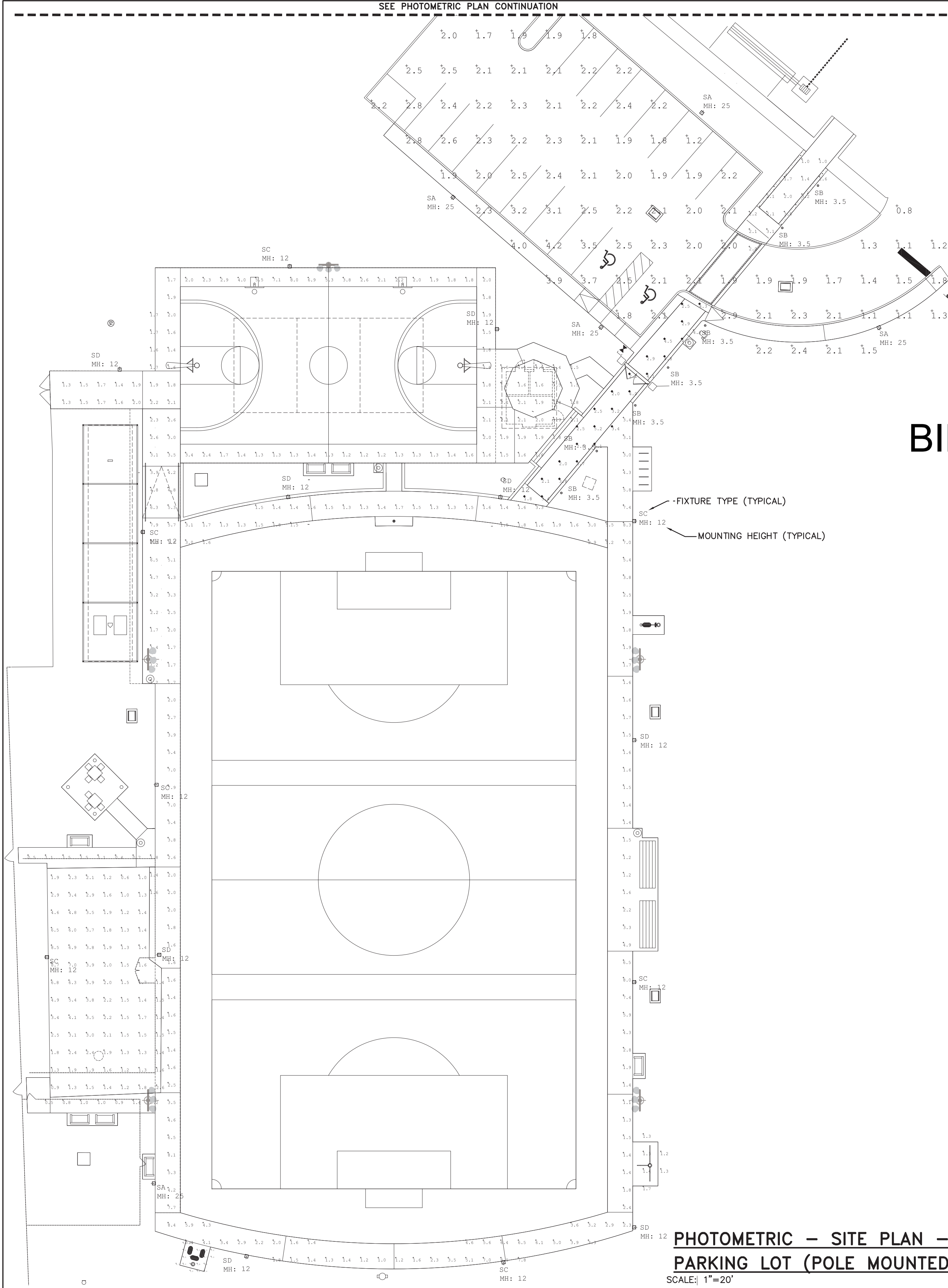
PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: PHOTOMETRIC SITE PLAN- SPORTS FIELDS

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL: 407.647.7275
FAX: 407.806.4500
www.atkinsglobal.com

JOB NO.:	22010
DRAWN:	RJ
DESIGN:	RJ/RBJ
CHECKED:	RBJ
APPROVED:	RBJ
SHEET NO.	REV.
PS-200	

Spectrum consulting engineers, inc.
5327 Loon Nest Court
Apollo Beach, FL 33572
ph: 813.645.8288
Reg. No. EB29566



PHOTOMETRIC – SITE PLAN – PEDESTRIAN & PARKING LOT (POLE MOUNTED OPTION)

SCALE: 1"=20'

BID SET

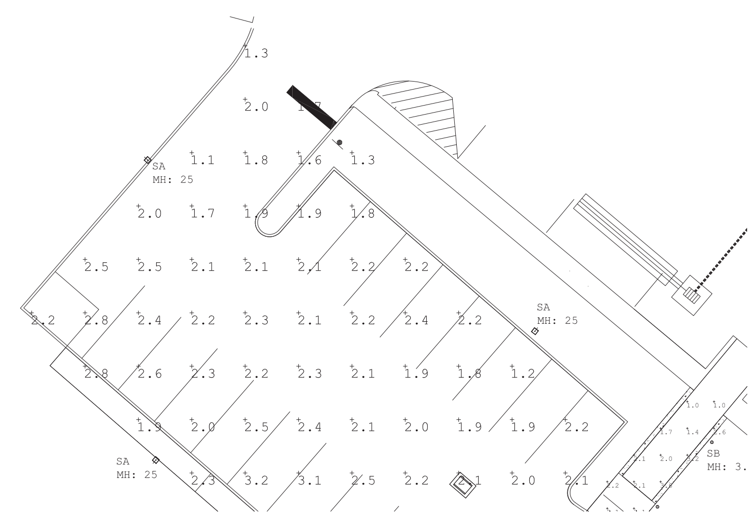
Danny Meehan Recreational Fields Alternate Revised 10/15/14
Foot candles at grade, no reflectances

Luminaire Schedule							
Symbol	Qty	Label	Description	Arrangement	Delivered Lumens	Lum. Watts	LLF
	6	SA	ECF-1-3-105LA-321A-NW-UNV-FINISH-IS	SINGLE	7693	106.6	0.820
	7	SB	BR840-42-CWL-NW-180-18-UNIV-FINISH	SINGLE	371	17.1	0.820
	7	SC	ECF-1-2-55LA-3253-NW-UNV-FINISH	SINGLE	5994	51.6	0.820
	8	SD	ECF-1-5-55LA-3253-NW-UNV-FINISH	SINGLE	5588	51.6	0.820

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Fitness Station 1	Illuminance	Fc	1.25	1.8	0.5	2.50	3.60
Fitness Station 2	Illuminance	Fc	1.37	1.7	1.2	1.14	1.42
Fitness Station 3	Illuminance	Fc	4.08	5.5	3.4	1.20	1.62
Parking and Bus drop off	Illuminance	Fc	2.12	4.2	0.8	2.65	5.25
Parking Area to Fields Walkway	Illuminance	Fc	3.32	5.2	1.8	1.84	2.89
Parking Area to Street Walkway	Illuminance	Fc	2.15	3.6	1.0	2.15	3.60
Paths	Illuminance	Fc	2.71	8.5	0.4	6.78	21.25
Playground	Illuminance	Fc	2.59	8.7	0.6	4.32	14.50

GENERAL NOTES:

1. BALL FIELD PHOTOMETRIC VALUES CALCULATED AND PRODUCED BY MUSCO LIGHTING AND ARE SHOWN FOR REFERENCE ONLY.
2. REFER TO MUSCO LIGHTING PLANS FOR ADDITIONAL INFORMATION AND GUARANTEED PERFORMANCE ILLUMINATION SUMMARY.
3. ALL BALL FIELD LIGHTING PHOTOMETRIC VALUES ARE CALCULATED AT 3'–0" A.F.G.
4. ALL PEDESTRIAN AND PARKING LOT PHOTOMETRIC VALUES ARE CALCULATED AT GRADE.
5. ALL NUMBERS REPRESENT PHOTOMETRIC VALUES IN FOOTCANDLES.
6. BALL FIELD LIGHTING DOES NOT CONTRIBUTE TO ROADWAY AND PARKING PHOTOMETRIC VALUES. BALL FIELD LIGHTING, AND PEDESTRIAN AND PARKING LIGHTING ARE RUN INDEPENDANTLY FROM ONE ANOTHER.
7. SEE LIGHTING FIXTURE SCHEDULE ON SHEET PS–100 FOR FIXTURE TYPES AND MOUNTING HEIGHTS.



PHOTOMETRIC SITE PLAN (CONTINUED)

SCALE: 1"=20'

Spectrum consulting engineers, inc.
5327 Loon Nest Court
Apollo Beach, FL 33572
ph: 813.645.8288
Reg. No. EB29566

REV. BY | DATE | DESCRIPTION

ORIGINAL ISSUED DATE :
DATE: November 19, 2014

NOTICE:
The information in this document was prepared by ATKINS, INC. While ATKINS has taken all reasonable steps to assure the accuracy of the information contained in this document, it cannot guarantee that changes or alterations to this document will not be made by persons other than ATKINS personnel after the document leaves the possession of ATKINS. Changes or alterations may be safety related and result in damage to property, personal injury or death. If verification of the information contained in this document is needed, contact should be made directly with ATKINS.
This document must be compared to the original hard copy, with certified raised seal, if applicable, in order to insure the accuracy of the information contained therein and to further insure that no changes, alterations or modifications have been made to the document. No reliance should ever be made on a documentation transmitted or reviewed by computer or other electronic means unless it is first compared to the original. ATKINS makes no warranties, express or implied, concerning the accuracy of the information contained in any document transmitted or reviewed by computer or other electronic means.

CLIENT: TOWN OF MEDLEY
7777 NW 72ND AVENUE
MEDLEY, FL 33166

PROJECT: DANNY MEEHAN RECREATIONAL FIELD IMPROVEMENTS

TITLE: PHOTOMETRIC SITE PLAN- PEDESTRIAN & PARKING LOT (POLE MOUNTED OPTION)

ATKINS
CORPORATE OFFICE:
5300 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24
LOCAL OFFICE:
482 SOUTH KELLER ROAD ORLANDO, FL 32810
TEL. 407.647.7275
FAX. 407.806.4500
www.atkinsglobal.com

JOB NO.:	22010
DRAWN:	RJ
DESIGN:	RJ/RBJ
CHECKED:	RBJ
APPROVED:	RBJ
SHEET NO.:	PS-300
REV.:	