

CURTIS PARK CORRECTIVE ACTION PLAN BID DRAWINGS

**1901 NW 24TH AVENUE
MIAMI, FLORIDA 33125
JULY 26, 2016**

PREPARED FOR:

CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM
444 SW 2ND AVENUE
MIAMI, FLORIDA 33130



COMMISSION:

TOMAS P. REGALADO - MAYOR
KEON HARDEMON - CHAIRMAN
KEN RUSSELL - VICE CHAIRMAN
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FRANK CAROLLO - COMMISSIONER
FRANCIS SUAREZ - COMMISSIONER
DANIEL J. ALFONSO - CITY MANAGER
VICTORIA MENDEZ - CITY ATTORNEY
TODD B. HANNON - CITY CLERK

PROJECT LOCATION



S:34 T:53 S R:41 E
LOCATION MAP
NTS



SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS, INC.
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FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892
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SCS PROJECT NO. 09213010.46

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BID SET
DATE: JULY 2016



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I. GENERAL DESCRIPTION OF WORK

- A. THE WORK GENERALLY CONSISTS OF THE CORRECTIVE ACTIONS TO ADDRESS CONTAMINATION AT THE CITY OF MIAMI'S CURTIS PARK SITE. INCLUDED IN THE WORK IS THE FOLLOWING:
- SELECTIVE REMOVAL AND REPLACEMENT OF PARK STRUCTURES AND OTHER PARK FEATURES AND THEIR FOUNDATIONS.
 - SELECTIVE REMOVAL AND REPLACEMENT OF EXISTING WALKWAYS WITHIN THE PARK.
 - IMPROVEMENTS TO EXISTING PARKING LOT, WHICH INCLUDES MILLING, RESURFACING, AND STRIPING.
 - REMOVAL OF EXISTING BASEBALL FIELD, DUGOUTS, ASSOCIATED BLEACHER PADS, EXISTING FENCING AND EXISTING 1-STORY BUILDING.
 - INSTALLATION OF BASEBALL FIELD, WHICH INCLUDES BUT NOT LIMITED TO ASSOCIATED BLEACHERS, DUGOUTS, FENCING AND IRRIGATION.
 - EXCAVATION OF 12" OF POTENTIALLY CONTAMINATED SOIL FROM SPECIFIED AREAS OF THE PARK AND RELOCATING IT TO A SPECIFIED LOCATION WHERE IT WILL BE USED TO RE-GRADE THE AREA PRIOR TO ADDING A LINER AND ANY CLEAN FILL. EXCESS EXCAVATED MATERIAL SHALL BE HAULED OFF SITE TO A CLASS I LANDFILL.
 - EXCAVATION OF POTENTIALLY CONTAMINATED SOIL AROUND TREES AND PRUNING ROOTS AS DIRECTED BY THE OWNER'S DESIGNATED ARBORIST.
 - INSTALLATION OF A GSE BENTONLINER EC GEOSYNTHETIC CLAY LINER (GCL) OR EQUIVALENT MATERIAL BETWEEN EXISTING SOIL TO REMAIN AND CLEAN FILL WHERE SPECIFIED, IN SELECT AREAS.
 - INSTALLATION OF GEOTEXTILE OR EQUIVALENT MATERIAL BETWEEN EXISTING SOIL TO REMAIN AND CLEAN FILL WHERE SPECIFIED, IN SELECT AREAS.
 - INSTALLATION 2.5" LAYER OF BONDED RUBBER MULCH OVER 12" OF CLEAN FILL AROUND SPECIFIED TREES.
 - INSTALLATION OF SELECTED SOD OVER 12" MINIMUM OF CLEAN FILL IN ALL AREAS EXCEPT THE BASEBALL FIELD.
- B. REFER TO THE FULL SET OF CONSTRUCTION PLANS FOR CONSTRUCTION DETAILS AND SPECIFICATIONS.
- C. THE OWNER OF THE PROJECT IS THE CITY OF MIAMI.

II. APPLICABLE CODES

- A. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES APPLICABLE TO THE WORK, INCLUDING, BUT NOT LIMITED TO BUILDING AND CONSTRUCTION CODES, ENVIRONMENTAL CODES, AND HEALTH AND SAFETY CODES.
- B. THE CONTRACTOR SHALL NOTE THAT A PORTION OF THE PROPOSED CONSTRUCTION ACTIVITIES IS WITHIN CONTAMINATED AREAS OF THE SITE AND THE POTENTIAL FOR EXPOSURE TO HAZARDOUS MATERIALS EXISTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND REVIEW THE AVAILABLE INFORMATION ON THE EXISTING CONTAMINATION PRESENT AT THE SITE AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL HEALTH AND SAFETY REGULATIONS (E.G., OSHA, ETC.). DOCUMENTS RELEVANT TO THE CONTAMINATION AT THE SITE CAN BE OBTAINED VIA MIAMI-DADE COUNTY'S REGULATORY AND ECONOMIC RESOURCES DEPARTMENT, ENVIRONMENTAL RESOURCES MANAGEMENT SECTION (ERM REFERENCE "HWR-773").
- C. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF MIAMI-DADE COUNTY, CITY OF MIAMI, AND FLORIDA DEPARTMENT OF TRANSPORTATION.
- D. ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.
- E. ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (N.G.V.D.), UNLESS OTHERWISE NOTED. CONTRACTOR TO REFER TO MIAMI-DADE COUNTY DATUM ELEVATIONS AND ALL MIAMI-DADE COUNTY REFERENCE MONUMENTS LOCATED IN THE STREET RIGHT OF WAY.

III. DEMOLITION NOTES

- A. DRAIN, PURGE, OR OTHERWISE REMOVE, COLLECT, AND DISPOSE OF CHEMICALS, GASES, EXPLOSIVES, ACIDS, FLAMMABLES, OR OTHER DANGEROUS MATERIALS BEFORE PROCEEDING WITH DEMOLITION OPERATIONS.
- B. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
- C. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR IN-USE FACILITIES WITHOUT PERMISSION FROM OWNER, THE CITY AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS AS REQUIRED BY GOVERNING REGULATIONS.
- D. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA.
- E. ERECT TEMPORARY PROTECTION, SUCH AS WALKS, FENCES, BARRIERS, RAILINGS, ETC. WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION.
- F. PROTECT EXISTING SITE IMPROVEMENTS, APPURTENANCES, AND LANDSCAPING TO REMAIN.
- G. ADJACENT IMPROVEMENTS SHALL BE CLEANED OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.

III. DEMOLITION NOTES (CONT)

- H. FOR SELECTIVE DEMOLITION, USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. TO MINIMIZE DISTURBANCE OF ADJACENT SURFACES, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING OR CHOPPING. TEMPORARILY COVER OPENINGS TO REMAIN.
- I. DEMOLISH CONCRETE IN SMALL SECTIONS. CUT CONCRETE AT JUNCTURES WITH CONSTRUCTION TO REMAIN USING POWER-DRIVEN MASONRY SAW OR HAND TOOLS; DO NOT USE POWER-DRIVEN IMPACT TOOLS.
- J. INFORMATION SHOWN ON THE DRAWINGS AS TO THE LOCATION OF EXISTING UTILITIES HAS BEEN PREPARED FROM DATA AVAILABLE TO THE ENGINEER; HOWEVER, THIS INFORMATION IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION, CHARACTER, AND DEPTH OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL ASSIST THE UTILITY COMPANIES, BY EVERY MEANS POSSIBLE, TO DETERMINE SAID LOCATIONS AND THE LOCATIONS OF RECENT ADDITIONS TO THE SYSTEMS NOT SHOWN.
- K. REMOVAL, DEMOLITION, HAULING, AND DISPOSAL SHALL COMPLY WITH REGULATIONS BY F.D.E.P., E.P.A., AND ANY OTHER AUTHORITY HAVING JURISDICTION.
- L. ALL EXISTING UTILITY MANHOLE COVERS, ELECTRICAL BOXES, METER BOXES, METERS, DRAINAGE STRUCTURES, ETC. WITHIN PROPOSED AREAS OF IMPROVEMENTS SHALL BE ADJUSTED TO GRADE ELEVATION, UNLESS OTHERWISE NOTED.

IV. PRE-CONSTRUCTION RESPONSIBILITIES

- A. UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, THE OWNER AND THE ENGINEER OF RECORD.
- B. FOLLOWING THE PRE-CONSTRUCTION CONFERENCE THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A CONSTRUCTION SEQUENCING PLAN WHICH SHALL INCLUDE AT A MINIMUM THE FOLLOWING INFORMATION:
- REMOVAL OF PARK STRUCTURES AND FOUNDATIONS, CONCRETE SIDEWALKS, ASPHALT WALKWAYS, AND SPECIFIED FENCING.
 - MILLING AND RESURFACING OF ASPHALT PARKING LOT.
 - EXCAVATION, ON-SITE RELOCATION AND HAULING OF CONTAMINATED SOIL TO A CLASS I LANDFILL
 - REPLACEMENT OF PARK STRUCTURES, FOUNDATIONS AND FENCING.
 - PLACEMENT OF GEOSYNTHETIC CLAY LINER AND GEOTEXTILE, WHERE SPECIFIED, IN SELECT AREAS.
 - HAULING AND STAGING OF IMPORTED CLEAN FILL
 - A PLAN TO ENSURE THAT NO CONTAMINATED SOIL IS TRACKED OFFSITE VIA TRUCK OR OTHER EQUIPMENT AND FOR FINAL CLEANING OF ANY EQUIPMENT THAT HAS BEEN EXPOSED TO CONTAMINATED SOIL AND THE CONTAINMENT AND DISPOSAL OF THE RESULTING WASH-WATER.
- C. WITH THE CONTRACTOR'S BID PACKAGE SUBMITTED THE CONTRACTOR SHALL PROVIDE TO THE OWNER A SITE SPECIFIC HEALTH AND SAFETY PLAN (HASP) FOR EMPLOYEES AND ANY SUBCONTRACTORS. THE OWNER AND/OR ENGINEER MAY COMMENT ON THE HASP AS A COURTESY; HOWEVER, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DEVELOP AND IMPLEMENT A HASP TO COMPLY WITH ALL APPLICABLE HEALTH AND SAFETY REGULATIONS. A COPY OF THE HASP SHALL BE MAINTAINED AT ALL TIMES AT THE JOBSITE AND BE AVAILABLE FOR INSPECTION BY THE OWNER AND/OR ENGINEER.
- D. THE CONTRACTOR SHALL PROVIDE TO THE OWNER ALL APPLICABLE OSHA CERTIFICATIONS FOR ALL WORKERS THAT MAY BE EMPLOYED AT THE WORK SITE.
- E. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL OF FLORIDA, INC. CERTIFICATION NUMBER AND FIELD MARKINGS AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION. CALL 1-800-432-4770.
- F. LOCATION OF EXISTING FACILITIES AS SHOWN ON CONSTRUCTION DRAWINGS ARE DRAWN FROM AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FACILITIES SHOWN OR FOR ANY FACILITY THAT IS NOT SHOWN. THE CONTRACTOR SHALL VERIFY THROUGH VACUUM EXCAVATION & TEST HOLE METHODS, THE ELEVATIONS AND LOCATIONS OF EXISTING FACILITIES PRIOR TO CONSTRUCTION. IF AN EXISTING FACILITY IS FOUND TO CONFLICT WITH THE PROPOSED CONSTRUCTION UPON EXCAVATION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE THE CONFLICT.

V. SPECIAL ENVIRONMENTAL REQUIREMENTS

- A. THE CONTRACTOR SHALL IMPLEMENT FEASIBLE ENGINEERING AND WORK PRACTICE CONTROLS TO MINIMIZE EMPLOYEE EXPOSURES TO CONTAMINANTS. A WRITTEN COMPLIANCE PROGRAM DETAILING HOW CONTAMINANT EXPOSURES WILL BE CONTROLLED SHALL BE SUBMITTED TO THE OWNER.
- B. IN ORDER TO LIMIT THE FUGITIVE DUST FROM CONTAMINATED SOILS AND INCIDENTAL EXPOSURE THE CONTRACTOR SHALL SECURELY COVER AREAS OF EXPOSED CONTAMINATED SOIL (IN-SITU OR STOCKPILED) AT THE END OF EACH DAY WITH PLASTIC SHEETING.
- C. A SOIL MANAGEMENT PLAN WHICH INCLUDES A HEALTH SAFETY PLAN AND A DUST CONTROL / AIR MONITORING PLAN SHALL BE SUBMITTED TO DERM FOR REVIEW AND APPROVAL PRIOR TO START OF ACTIVITIES INVOLVING THE DISTURBANCE OF CONTAMINATED SOIL.
- D. THE CONTRACTOR SHALL STOCKPILE CONTAMINATED SOIL IN DESIGNATED ON-SITE LOCATION(S) AND USE A PLASTIC SHEETING FOR CONTAINMENT.

V. SPECIAL ENVIRONMENTAL REQUIREMENTS (CONT)

- E. ANY EXCESS CONTAMINATED SOIL EXCAVATED SHALL NOT BE REUSED AND REQUIRES PROPER HANDLING AND DISPOSAL AT A CLASS I LANDFILL IN ACCORDANCE WITH THE LOCAL, STATE, AND FEDERAL REGULATIONS. CONTAMINATED SOIL DISPOSAL DOCUMENTATION (I.E. MANIFESTS) SHALL BE SUBMITTED TO THE OWNER.
- F. GROUNDWATER MONITORING WELLS TO REMAIN SHALL BE PROTECTED AND REPLACED IF DAMAGED OR DESTROYED AT NO ADDITIONAL COST TO THE OWNER. ANY MONITORING WELLS TO BE DESTROYED SHALL BE PROPERLY ABANDONED WITH DOCUMENTATION SUBMITTED TO THE OWNER.
- G. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO ENSURE THAT FUGITIVE DUST DOES NOT MIGRATE OFFSITE DURING CONSTRUCTION ACTIVITIES. MATERIAL TO BE EXCAVATED OR REGRADED SHALL BE THOROUGHLY WETTED PRIOR TO EXCAVATION TO MINIMIZE DUST GENERATION.
- H. THE OWNER MAY CHOOSE TO HAVE AN INDEPENDENT PARTY CONDUCT AIR MONITORING AT THE PROJECT/SITE BOUNDARIES TO ENSURE FUGITIVE DUST IS NOT MIGRATING OFFSITE DURING THE EXCAVATION/GRADING OF CONTAMINATED SOILS. IF AIR MONITORING RESULTS SHOW FUGITIVE DUST AT THE PROPERTY BOUNDARY THE CONTRACTOR SHALL IMMEDIATELY CEASE ALL CONSTRUCTION ACTIVITIES AND SUBMIT A WRITTEN CORRECTIVE ACTION PLAN FOR APPROVAL PRIOR TO COMMENCING WORK.
- I. CONTRACTOR SHALL PROVIDE A COMPILATION OF ALL DISPOSAL MANIFESTS INDICATING PROPER DISPOSAL OF CONTAMINATED SOIL/SOLID WASTE AND TICKETS DETAILING IMPORTED FILL OBTAINED FROM A NATIVE ROCK MINING QUARRY CONFIRMING THE FILL AS CLEAN FILL ON A WEEKLY BASIS.

VI. EARTHWORK NOTES

- A. THE CONTRACTOR'S BID FOR EARTHWORK SHALL INCLUDE THE EXCAVATION, REMOVAL AND DISPOSAL OF ALL MATERIALS, OF WHATEVER CHARACTER, WITHIN THE LIMITS OF CONSTRUCTION.
- B. WHERE MUCK, ROCK, CLAY, OR OTHER MATERIAL WITHIN THE LIMITS OF CONSTRUCTION IS UNSUITABLE IN ITS ORIGINAL POSITION THE CONTRACTOR SHALL EXCAVATE SUCH MATERIAL IN ITS ENTIRETY AND BACKFILL WITH SUITABLE MATERIAL WHICH SHALL BE COMPACTED IN PLACE TO CONFORM TO THE REQUIRED GRADES AND SECTIONS AS SHOWN ON THE PLANS.
- C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE UNSUITABLE MATERIAL PRESENT ON-SITE AND INCLUDE THE REMOVAL AND REPLACEMENT OF SAME IN HIS BID PRICE.
- D. THE CONTRACTOR SHALL MAKE HIS OWN ESTIMATE ON THE VOLUME OF MATERIAL ACTUALLY REQUIRED TO OBTAIN THE CROSS SECTIONS OR GRADES AS SHOWN ON THE PLANS.
- E. THE CONTRACTOR SHALL REMOVE ALL MUCK YIELDING MATERIAL ROOTS, VEGETATION AND OTHER DEGRADABLE MATERIAL IN ITS ENTIRETY, WITHIN THE PAVEMENT UNITS AND BELOW ALL STRUCTURES AND UTILITIES TO FULL EXCAVATED TRENCH WIDTH. SAID MATERIAL SHALL BE REPLACED WITH CLEAN ORGANIC FREE MATERIAL WITH ROCKS SMALLER THAN ONE INCH IN DIAMETER COMPACTED TO NOT LESS THAN 98% MAXIMUM DENSITY AT OPTIMUM MOISTURE. AASHTO T-180 METHOD "D" WITH MAXIMUM LIFTS OF TWELVE INCHES COMPACTED THICKNESS.
- F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING APPROPRIATE SAFETY PRECAUTIONS DURING EXCAVATION AND TRENCHING OPERATIONS AS REQUIRED BY THE "TRENCH SAFETY ACT".
- G. THIS WORK SHALL INCLUDE THE EXCAVATION OF WHATEVER SUBSTANCES ENCOUNTERED TO THE DEPTHS AS SHOWN ON THE PLANS. EXCAVATED MATERIALS NOT REQUIRED FOR FILL OR BACKFILL SHALL BE REMOVED FROM THE WORK SITE AS DIRECTED BY THE ENGINEER AND SHALL BE CONSIDERED TO BE A PART OF THE BID PRICE OF THE UTILITY PIPE FOR WHICH EXCAVATION AND BACKFILL IS REQUIRED.
- H. WATER SHALL NOT BE PERMITTED TO ACCUMULATE IN THE EXCAVATED AREA. IT SHALL BE REMOVED BY PUMPING OR OTHER MEANS AS APPROVED BY THE ENGINEER. THE REMOVAL OF WATER SHALL BE CONSIDERED TO BE A PART OF THE BID PRICE OF THE UTILITY PIPE FOR WHICH EXCAVATION AND BACKFILL IS REQUIRED. CONTRACTOR TO OBTAIN DEWATERING PERMITS FROM APPLICABLE JURISDICTIONAL AGENCIES (MIAMI-DADE DERM, SPWMD, ETC.) IF REQUIRED.
- I. IF THE BOTTOM OF THE TRENCH IS ROCK, THE EXCAVATION SHALL BE CARRIED EIGHT INCHES BELOW THE INVERT OF THE PIPE AND BACKFILLED WITH THOROUGHLY COMPACTED SAND, GRAVEL, OR OTHER SUITABLE MATERIAL APPROVED BY THE ENGINEER.
- J. ROCK EXCAVATION SHALL INCLUDE ANY ROCK ENCOUNTERED WHICH CANNOT BE REMOVED WITH A 3/4 YARD BACKHOE UNDER NORMAL OPERATING CONDITIONS. ROCK EXCAVATION SHALL BE INCIDENTAL TO CONSTRUCTION OF ALL PIPING SYSTEMS AND NO SEPARATE PAYMENT WILL BE MADE.
- K. WHENEVER IT IS NECESSARY, IN THE INTEREST OF SAFETY, TO BRACE OR SHORE THE SIDES OF THE TRENCH, SUCH BRACING OR SHORING SHALL BE CONSIDERED TO BE PART OF THE BID PRICE OF UTILITY PIPE FOR WHICH EXCAVATION AND BACKFILL IS REQUIRED.
- L. THE CONTRACTOR SHALL FURNISH, PUT IN PLACE AND MAINTAIN SUCH SHEETING, BRACING, AS MAY BE REQUIRED TO SUPPORT THE SIDE OF THE EXCAVATION, AND TO PREVENT ANY MOVEMENT WHICH CAN IN ANY WAY DAMAGE THE WORK OR ENDANGER ADJACENT STRUCTURES. THIS INCLUDES, BUT IS NOT LIMITED TO: RESTROOM BUILDING, TRACK, SIDEWALKS, BUILDING NORTH OF PLAYGROUND, UTILITY VAULTS, BLEACHER PADS, ATHLETIC COURTS, AND CONCRETE CURB.
- M. IF FIELD CONDITIONS, TYPE OF SHEETING OR CONSTRUCTION METHODS MAKE REMOVAL OF SHEETING IMPRACTICABLE, AT NO ADDITIONAL COST TO THE OWNER, THE CONTRACTOR MAY LEAVE ALL SHEETING IN PLACE. THE ENGINEER MAY REQUIRE SHEETING TO BE CUT OFF AT ANY SPECIFIED ELEVATION BUT IN NO CASE WILL ANY SHEETING BE LEFT CLOSER THAN TWO (2) FEET BELOW THE NATURAL SURFACE, NOR CUT OFF BELOW THE ELEVATION OF THE TOP OF THE PIPE.

VI. EARTHWORK NOTES (CONT)

- M. AFTER PIPES, STRUCTURES, AND OTHER APPURTENANCES HAVE BEEN INSTALLED, THE TRENCH OR OPENING SHALL BE BACKFILLED WITH MATERIAL IN CONFORMANCE WITH THE SPECIFICATION.
- N. IN AREAS WHERE PAVEMENTS ARE TO BE CONSTRUCTED OVER THE PIPE, THE REMAINDER OF THE TRENCH SHALL BE PLACED IN SIX INCH LAYERS (COMPACTED THICKNESS) AND SHALL BE COMPACTED TO 98 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99. CONTRACTOR WILL BE RESPONSIBLE FOR CORRECTING DAMAGE FROM SETTLEMENT IN THE BACKFILLED AREAS WHETHER UNDER THE PAVEMENT OR OTHERWISE.
- O. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING REQUIRED SAFETY BARRIER AND PROTECTIVE STEEL PLATE COVERINGS FOR OPEN TRENCHES.
- VII. PAVING AND GRADING NOTES
- A. ALL EXISTING PAVEMENT, CUT OR DAMAGED BY CONSTRUCTION, SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE.
- B. ASPHALTIC CONCRETE SURFACE COURSE SHALL BE AS SHOWN ON THE PLANS. THE MATERIALS FOR THE ASPHALT CONCRETE SURFACE COURSE SHALL CONFORM TO THE REQUIREMENTS OF F.D.O.T. STANDARD SPECIFICATIONS, SECTION 331.
- C. ALL GRADES SHOWN REFER TO FINISHED ASPHALT PAVEMENT UNLESS OTHERWISE NOTED.
- D. CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT AT THE LIMITS OF REMOVAL OF EXISTING PAVEMENT AND WHEN NEW PAVEMENT CONSTRUCTION MEETS EXISTING PAVEMENT. MEET AND MATCH SHALL ALSO MEAN SAW CUT AND MATCH.
- E. BEFORE ANY BITUMINOUS MATERIAL IS APPLIED, ALL LOOSE MATERIAL, DUST, DIRT, AND FOREIGN MATERIAL WHICH MIGHT PREVENT PROPER BOND WITH EXISTING SURFACE SHALL BE REMOVED FOR THE FULL WIDTH OF THE APPLICATION. PARTICULAR CARE SHALL BE TAKEN TO CLEAN THE OUTER EDGE OF THE STRIP TO BE TREATED IN ORDER TO ENSURE THAT THE PRIMER WILL ADHERE, WHERE THE PRIMER IS APPLIED ADJACENT TO CURB & GUTTER OR VALLEY GUTTER, SUCH CONCRETE SURFACES ARE TO BE PROTECTED AND KEPT FREE OF BITUMINOUS MATERIAL.
- F. NO BITUMINOUS MATERIAL SHALL BE APPLIED WHEN THE TEMPERATURE OF THE AIR IS LESS THAN 40° F IN THE SHADE AND FALLING, OR WHEN THE WEATHER CONDITIONS OR THE CONDITION OF THE EXISTING SURFACE IS UNSUITABLE.
- G. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH EXISTING PAVEMENT.
- H. BONDED RUBBER MULCH (TREE PROTECTION AREA)
- SOIL PLACED UNDER AREAS OF PROPOSED BONDED RUBBER MULCH SHALL BE PLANTING SOIL CONSISTING OF 80% SILICA SAND AND 20% EVERGLADES MUCK, OR OTHER SOIL APPROVED BY THE OWNER'S DESIGNATED ARBORIST. THE CLEAN FILL MATERIAL SHALL BE SOURCED FROM A NATIVE ROCK MINING QUARRY.
 - CONTRACTOR SHALL SUPPLY 1 CY SOIL SAMPLE TO THE OWNER'S DESIGNATED ARBORIST FOR APPROVAL PRIOR TO PLACEMENT.

- I. BASEBALL FIELD
- SITE PREPARATION FOR CONSTRUCTION SHOULD CONSIST OF REMOVAL OF EXISTING WALKWAYS, FENCING, EXISTING CLAY MATERIAL, DUGOUTS, BUILDING STRUCTURE, BLEACHERS, AND ANY ADDITIONAL ITEMS NOTED IN THE CONSTRUCTION DOCUMENTS TO BE REMOVED.
 - EXISTING IRRIGATION SYSTEM WITHIN THE BASEBALL FIELD SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR.
 - SUBBASE SHALL BE GRADED AND COMPACTED TO MEET THE PROPOSED FINAL ELEVATIONS MINUS THE CLEAN FILL ELEVATIONS. AS-BUILT TOPOGRAPHIC SURVEY SIGNED AND SEALED BY A REGISTERED PROFESSIONAL LAND SURVEYOR SHALL BE PROVIDED TO ENGINEER OF THE COMPLETED SUBBASE FOR REVIEW PRIOR TO THE INSTALLATION OF THE GCL OR GEOTEXTILE.
 - CONTRACTOR SHALL PLACE CONTAMINATED SOIL MATERIAL EXCAVATED WITHIN THE PROJECT LIMITS AS FILL UNDERNEATH THE PROPOSED GCL OR GEOTEXTILE AND CLEAN FILL.
 - CLEAN FILL SOILS SHOULD BE PLACED WITH LOOSE LIFT THICKNESS OF NOT MORE THAN 12-INCHES MOISTURE CONDITIONS TO WITHIN TWO (2) PERCENT OF THE MOISTURE CONTENT BASED ON ASTM D-1557 AND COMPACTED TO MINIMUM 95 PERCENT OF THE PROCTOR DENSITY. ONE COMPACTION TEST SHALL BE PERFORMED FOR EACH 2,500 SQUARE FEET OF FILL AREA PER LIFT OF SOILS.
 - CLEAN FILL MATERIAL SHALL CONSIST OF SELECTED SOD, 6" THICK PLANTING SOIL CONSISTING OF 80% SILICA SAND AND 20% EVERGLADES MUCK, OR OTHER SOIL APPROVED BY THE OWNER'S DESIGNATED ARBORIST. CLEAN FILL SHALL BE OVERLAIN BY SOD, AND ON TOP OF GCL OR GEOTEXTILE. REFER TO ENGINEERING CONTROL DRAWING C-5.2 AND C-5.4. FOR MORE INFORMATION.
 - PROCTOR DENSITY TESTS AND MATERIALS TESTING AS REQUIRED BY THE ENGINEER ARE TO BE PROVIDED BY AN INDEPENDENT MATERIALS TESTING LABORATORY AS APPROVED BY THE CITY AND/OR ENGINEER. REPORTS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER FROM THE APPROVED TESTING LABORATORY WILL BE SUBMITTED TO THE ENGINEER AND THE CITY INDICATING OBSERVATIONS AND RESULTS OF TESTS AND INDICATING COMPLIANCE OR NONCOMPLIANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOTIFY ENGINEER AND CITY 48 HOURS PRIOR TO THE EXPECTED TIME FOR OPERATIONS REQUIRING INSPECTION AND LABORATORY TESTING SERVICES. THE CONTRACTOR SHALL FURNISH SAMPLES OF MATERIALS, DESIGN MIX, EQUIPMENT, TOOLS, ETC AS REQUESTED. RETESTING REQUIRED BECAUSE OF NON-COMFORMANCE TO SPECIFIED REQUIREMENTS SHALL BE PERFORMED BY THE SAME INDEPENDENT FIRM ON INSTRUCTIONS FROM THE ENGINEER. THE COST OF SAMPLING AND TESTING, INCLUDING ANY NECESSARY RETESTING, CANCELED TESTS AND/OR THE CONTRACTOR NOT BEING READY FOR THE REQUIRED TEST, SHALL BE INCLUDED IN THE CONTRACT PRICE PROVIDED BY THE CONTRACTOR.

PROFESSIONAL SEAL:

BRUCE J. CLARK, P.E.
FL. REG. NO. 31924

PROJECT NUMBER: 09213010.46

PROJECT NAME & ADDRESS:

CURTIS PARK
CORRECTIVE ACTION PLAN
1901 NW 24TH AVENUE
MIAMI, FLORIDA

CLIENT NAME & ADDRESS:



CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM
444 SW 2ND AVENUE
MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE
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SCALE: AS NOTED

FILE NAME: C-1 NOTES AND SPECIFICATIONS.DWG

DRAWN BY: LCU

CHECKED BY: BJC

DATE: JULY 26, 2016

DRAWING TITLE:

NOTES AND SPECIFICATIONS

BID SET
DATE: JULY 2016

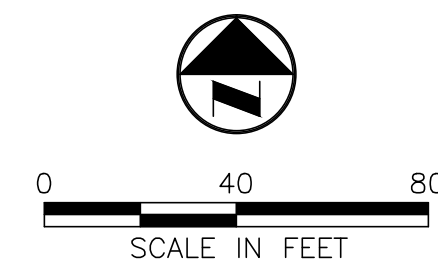
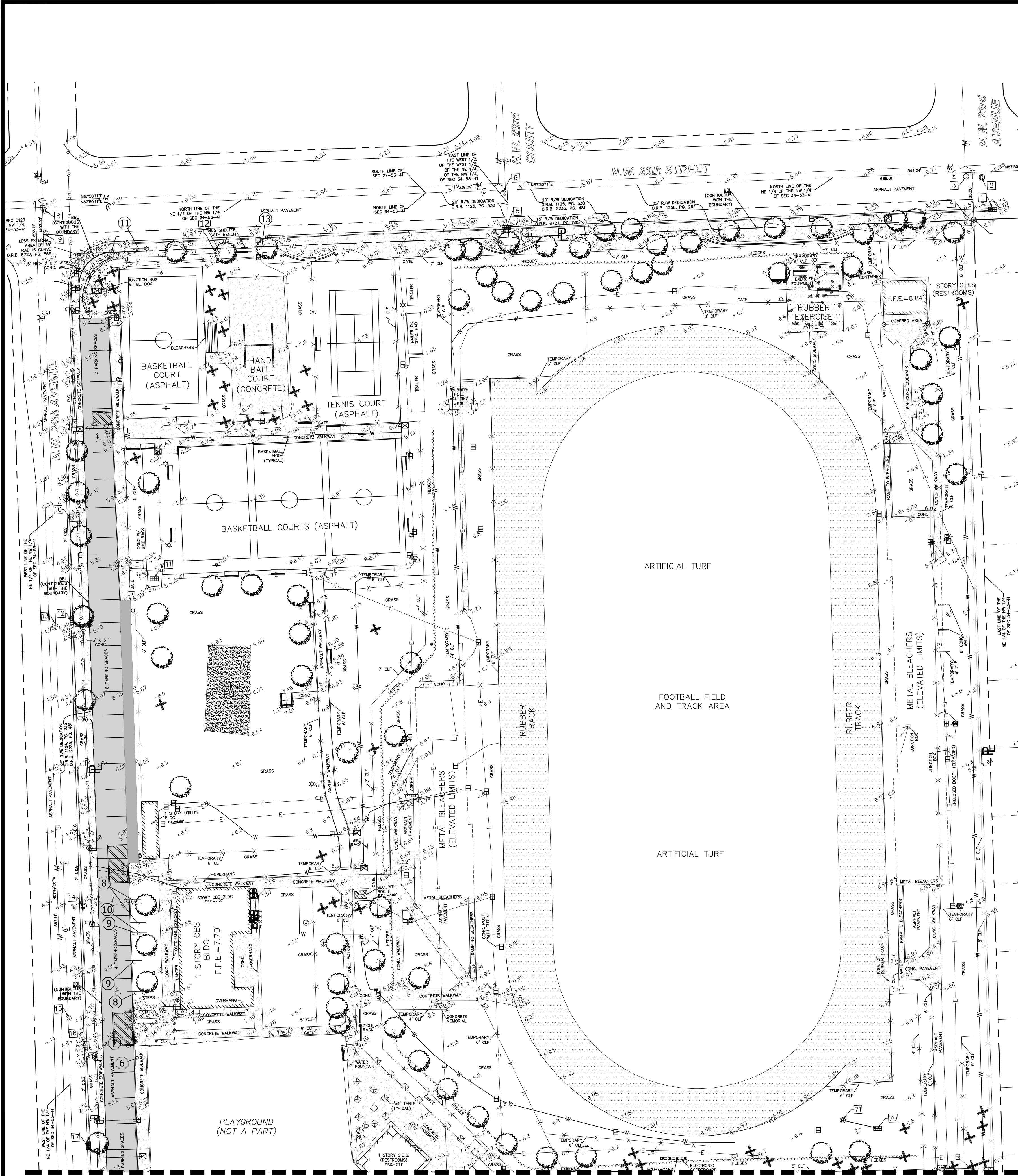
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C-10

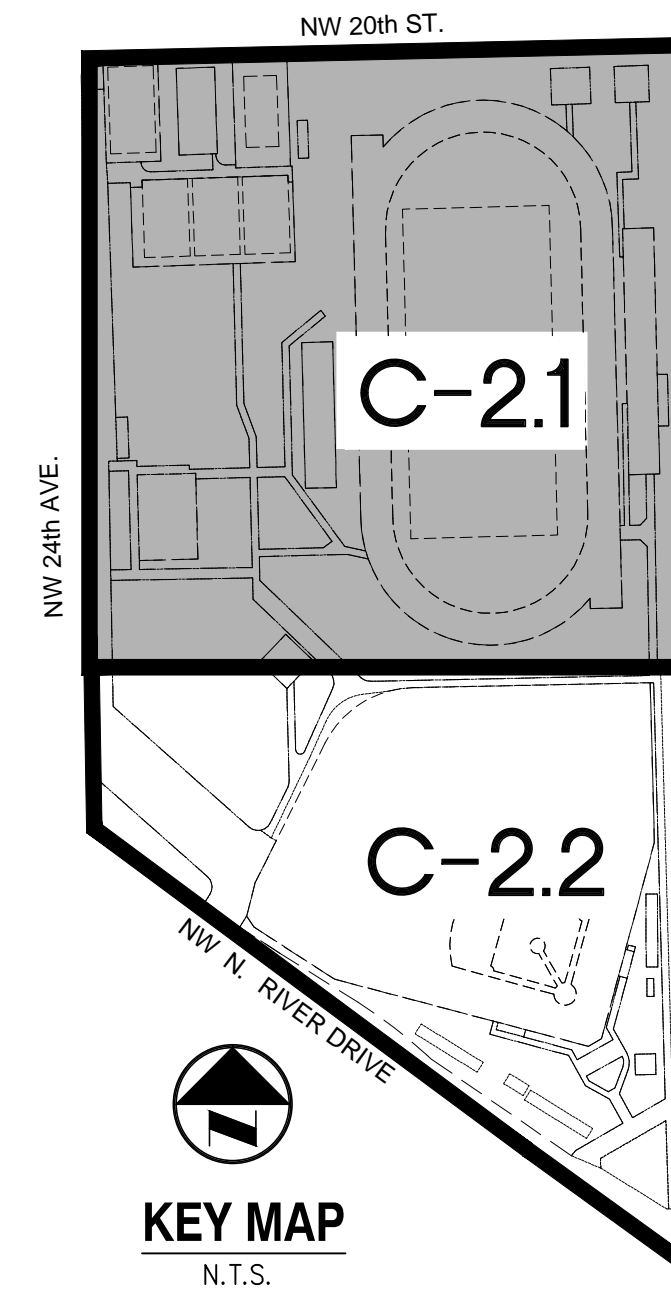
SHEET 2 of 35

F:\PROJECT\city of miami\09213010.46 curtis park\permit drawings\miami\transmit\curtis park\permit drawings\C-2 EXISTING CONDITIONS.dwg Jul 29, 2016 - 4:55pm Layout Name: C-2.1 By: 3950lca



LEGEND

- P — PROPERTY LINE
- C — CENTER LINE OF ROADWAY MONUMENT
- M — MONUMENT LINE
- O — EXIST. OVERHEAD LINE
- X — EXIST. CHAIN LINK FENCE
- B — EXIST. CATCH BASIN
- S — EXIST. BENCH
- P — EXIST. SIGN
- P — EXIST. POST
- G — EXIST. GUY WIRE
- W — EXIST. WOOD POWER POLE
- P — EXIST. POWER POLE
- L — EXIST. LIGHT POLE
- S — EXIST. SANITARY MANHOLE
- D — EXIST. DRAINAGE MANHOLE
- E — EXIST. ELECTRIC BOX
- W — EXIST. WIRE PULL BOX
- E — EXIST. ELECTRIC MANHOLE
- T — EXIST. TREE
- P — EXIST. PALM TREE
- S — EXIST. CONCRETE SIDEWALK
- R — EXIST. RUBBER TRACK
- A — EXIST. ASPHALT PAVEMENT



AS-BUILT TABLE					
STRUCTURE #	TYPE	RIM EL.	MATERIAL	NGVD 1929 INVERT EL.	MATERIAL
1	CB	6.07'			
2	MHD	6.91'			
3	MHD	6.87'			
5	CB	4.78'			
6	MHD	5.69'			
8	MHD	6.11'			
10	MHD	5.12'			
11	CB	5.23'			
12	CB	4.36'	24" CONC.	-0.39'	N
14	MHD	4.53'		-5.60'	N
16	CB	4.33'	24" CONC.	-0.27'	NE
17	CB	4.44'	16" CONC.	0.15'	S
18	MHD	5.05'	16" CONC.	0.83'	NW
20	MHD	4.90'	16" CONC.	0.64'	S
21	CB	4.82'	16" CONC.	0.74'	N
25	CB	4.11'	16" CONC.	0.14'	N
43	CB	4.50'		0.19'	S
47	CB	4.70'		0.12'	W
48	CB	6.10'	30" CMP	1.61'	NW
50	CB	5.61'	24" CONC.	1.80'	E
51	MHD	6.63'	15" CONC.	0.31'	E
53	CB	3.29'	12" CONC.	-0.97'	NE
54	CB	3.52'	12" CONC.	-0.57'	S
55	MHD	4.04'	12" METAL	0.73'	W
56	MHD	4.97'	15" CONC.	-0.91'	E
57	MHD	4.89'	15" CONC.	-1.08'	E
58	CB	4.37'	15" CONC.	-0.88'	W
59	MHD	4.89'	15" CONC.	-0.94'	E
63	MHD	4.65'	12" METAL	-0.23'	N
66	CB	5.27'	8" CONC.	-0.23'	SW
			12" CONC.	-0.31'	W
			12" CONC.	-0.48'	E
			15" CONC.	-0.08'	W
			15" CONC.	0.07'	S
			15" CONC.	-0.31'	E
			15" CONC.	0.85'	E
			8" CONC.	3.62'	E
			12" CONC.	1.77'	W

* PIPE SIZES, DIMENSIONS AND TYPES SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

EXISTING SIGN LEGEND

- ① W3-1a
- ② STOP AND 4-WAY (R1-3)
- ③ "NO PARKING" (R7-1)
- ④ "RAFAEL CABEZAS FUNDORA WAY"
- ⑤ "HANDICAP ACCESSIBLE PARKING ONLY"
- ⑥ "CITY EMPLOYEE PARKING ONLY"
- ⑦ "C.O.M SERVICE CENTER" WITH LEFT ARROW
- ⑧ "HANDICAP ACCESSIBLE PARKING ONLY"
- ⑨ "PARKING FOR ALLAPATTAH N.E.T. EMPLOYEE ONLY"
- ⑩ CURTIS PARK CITY OF MIAMI PARK AND REC HOURS
- ⑪ "SHARE THE ROAD" WITH BIKE SYMBOL
- ⑫ "ALLAPATTAH OVERTOWN TROLLEY"
- ⑬ "BUS STOP"

* CONTRACTOR TO VERIFY AND BRING TO THE ENGINEER'S ATTENTION ADDITIONAL EXISTING SIGNS AT THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ALL EXISTING SIGNS.

NOTES

- EXISTING CONDITIONS PRESENTED ARE BASED ON THE BEST AVAILABLE INFORMATION OBTAINED FROM THE EXISTING UTILITY OWNER AND THE TOPOGRAPHIC SURVEY DATED MAY 19, 2015 AND PREPARED BY: BISCAYNE ENGINEERING COMPANY, INC. 592 WEST FLAGLER STREET, MIAMI, FLORIDA 33130.
- ELEVATIONS SHOWN ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).
- CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO PROTECT ALL EXISTING TREES, SIGNS, UNDERGROUND AND ABOVE GROUND UTILITIES LOCATED IN THE SITE AREA. CONTRACTOR TO NOTIFY CITY OF MIAMI AND ENGINEER OF RECORD OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

MATCH LINE (FOR CONTINUATION SEE SHEET C-2.2)

BID SET
DATE: JULY 2016

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PROFESSIONAL SEAL:

BRUCE J. CLARK, P.E.
FL. REG. NO. 31924

PROJECT NUMBER: 09213010.46

PROJECT NAME & ADDRESS:

CURTIS PARK
CORRECTIVE ACTION PLAN
1901 NW 24TH AVENUE
MIAMI, FLORIDA

CLIENT NAME & ADDRESS:



CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM
444 SW 2ND AVENUE
MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE

SCALE: AS NOTED

FILE NAME: C-2 EXISTING CONDITIONS.DWG

DRAWN BY: LCU

CHECKED BY: BJC

DATE: JULY 26, 2016

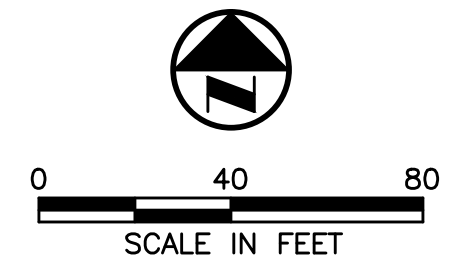
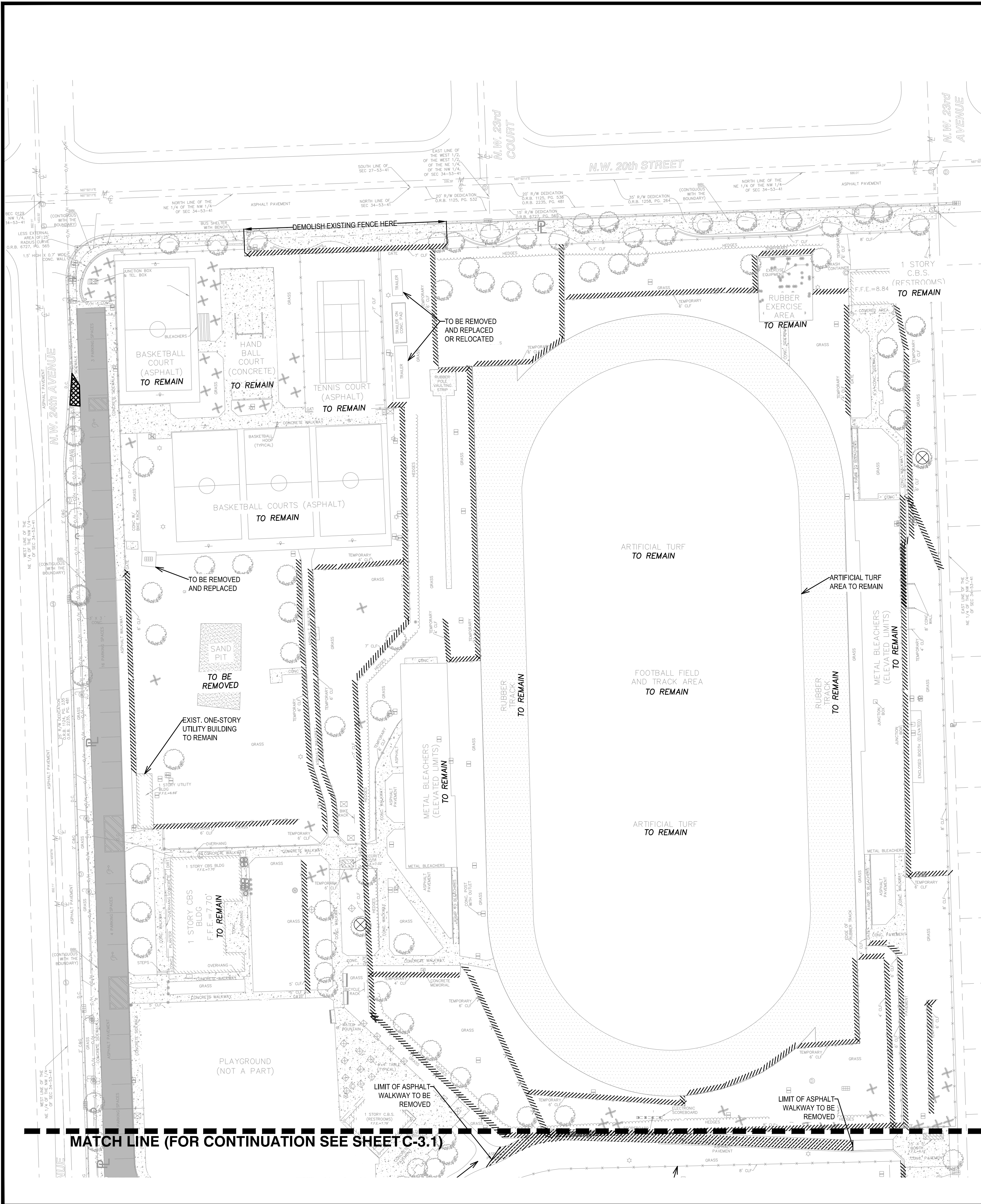
DRAWING TITLE:

EXISTING CONDITIONS

DRAWING NUMBER:

C-2.1

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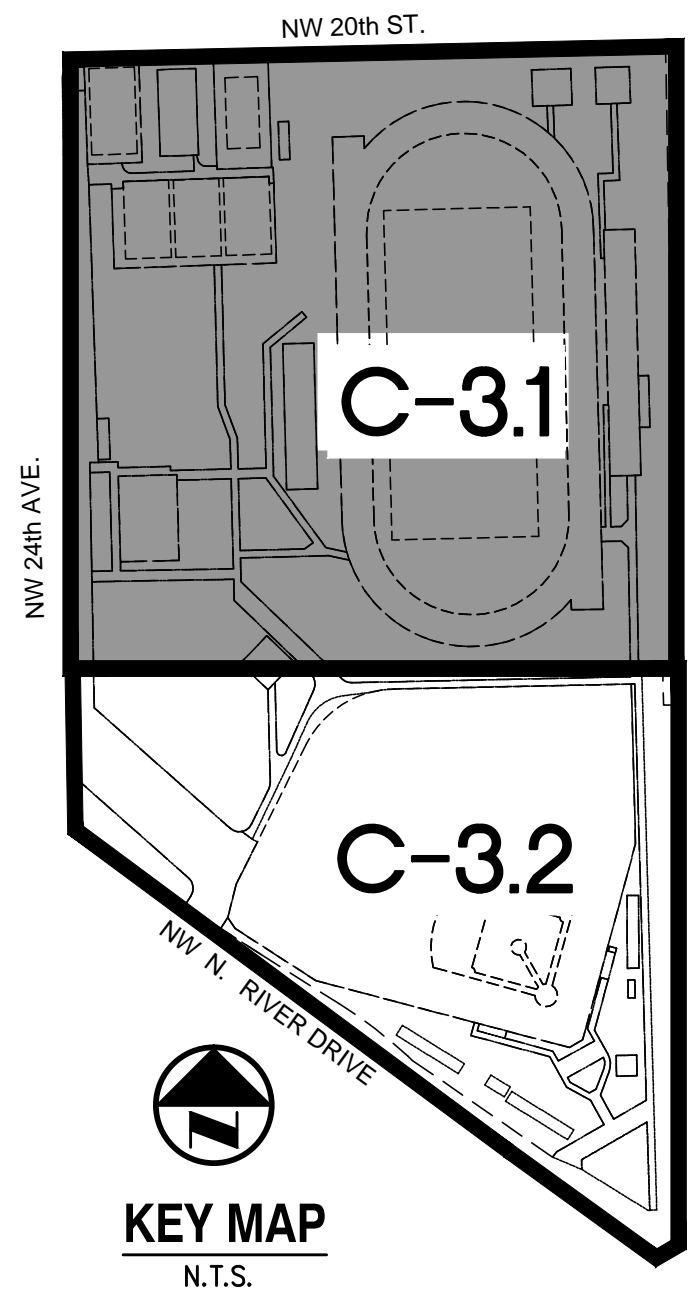


LEGEND

- PROPERTY LINE
- CENTER LINE OF ROADWAY
- MONUMENT LINE
- EXIST. OVERHEAD LINE
- EXIST. CHAIN-LINK FENCE TO REMAIN
- EXIST. CHAIN-LINK FENCE TO BE REMOVED
- EXIST. CATCH BASIN
- EXIST. BENCH
- EXIST. SIGN
- EXIST. POST
- EXIST. GUY WIRE
- EXIST. WOOD POWER POLE
- EXIST. POWER POLE
- EXIST. LIGHT POLE
- EXIST. SANITARY MANHOLE
- EXIST. DRAINAGE MANHOLE
- EXIST. ELECTRIC BOX
- EXIST. WIRE PULL BOX
- EXIST. ELECTRIC MANHOLE
- EXIST. TREE TO REMAIN
- EXIST. PALM TREE TO REMAIN
- EXIST. CONCRETE TO REMAIN
- EXIST. ASPHALT TO BE MILLED, RE-SURFACED AND RE-STRIPED
- EXIST. RUBBER TRACK
- EXIST. CONCRETE AND SOD TO BE REMOVED
- EXIST. TREE TO BE REMOVED AND REPLACED AT FINAL GRADE, SEE ARCHITECTURAL DRAWING NUMBER A-1.0.
- EXIST. ASPHALT WALKWAY TO BE DEMOLISHED

NOTES:

1. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
2. TREES NOT DESIGNATED FOR REMOVAL OR RELOCATION ARE TO BE PROTECTED AND REMAIN IN PLACE DURING CONSTRUCTION ACTIVITIES.
3. CONTRACTOR TO REFER TO LANDSCAPE PLANS FOR NEW LOCATIONS FOR THE IDENTIFIED EXISTING TREES TO BE RELOCATED.
4. CONTRACTOR IS TO PROTECT ALL EXISTING TREES, SIGNS UNDERGROUND AND ABOVE GROUND UTILITIES LOCATED IN THE SITE AREA. CONTRACTOR IS TO COORDINATE WITH CITY OF MIAMI AND ENGINEER REGARDING ANY CONFLICTS PRIOR TO CONSTRUCTION.
5. EXISTING PAVILIONS, BASKETBALL COURTS, HAND BALL COURTS AND TENNIS COURTS AND THEIR CORRESPONDENT EQUIPMENTS ARE TO REMAIN.
6. EXISTING CONCRETE AND/OR ASPHALT TO REMAIN UNLESS OTHERWISE NOTED OR AS NECESSARY FOR STORMWATER MANAGEMENT SYSTEM CONSTRUCTION.



SCS ENGINEERS
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 7700 N. KENDALL DRIVE, SUITE 300, MIAMI, FL 33156
 PH. (305) 412-8185 FAX. (305) 412-8105 FL
 CERTIFICATE OF AUTHORIZATION NO. 00004892

PROFESSIONAL SEAL:

BRUCE J. CLARK, P.E.
 FL. REG. No. 31924

PROJECT NUMBER: 09213010.46

PROJECT NAME & ADDRESS:

CURTIS PARK
 CORRECTIVE ACTION PLAN
 1901 NW 24TH AVENUE
 MIAMI, FLORIDA

CLIENT NAME & ADDRESS:

CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 444 SW 2ND AVENUE
 MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE

SCALE: AS NOTED

FILE NAME: C-3 DEMOLITION PLAN.DWG

DRAWN BY: LCU

CHECKED BY: BJC

DATE: JULY 26, 2016

DRAWING TITLE:

C-3 DEMOLITION PLAN - C-3.1

DRAWING NUMBER:

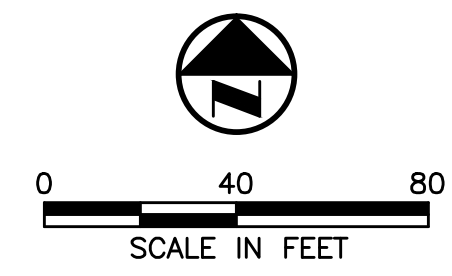
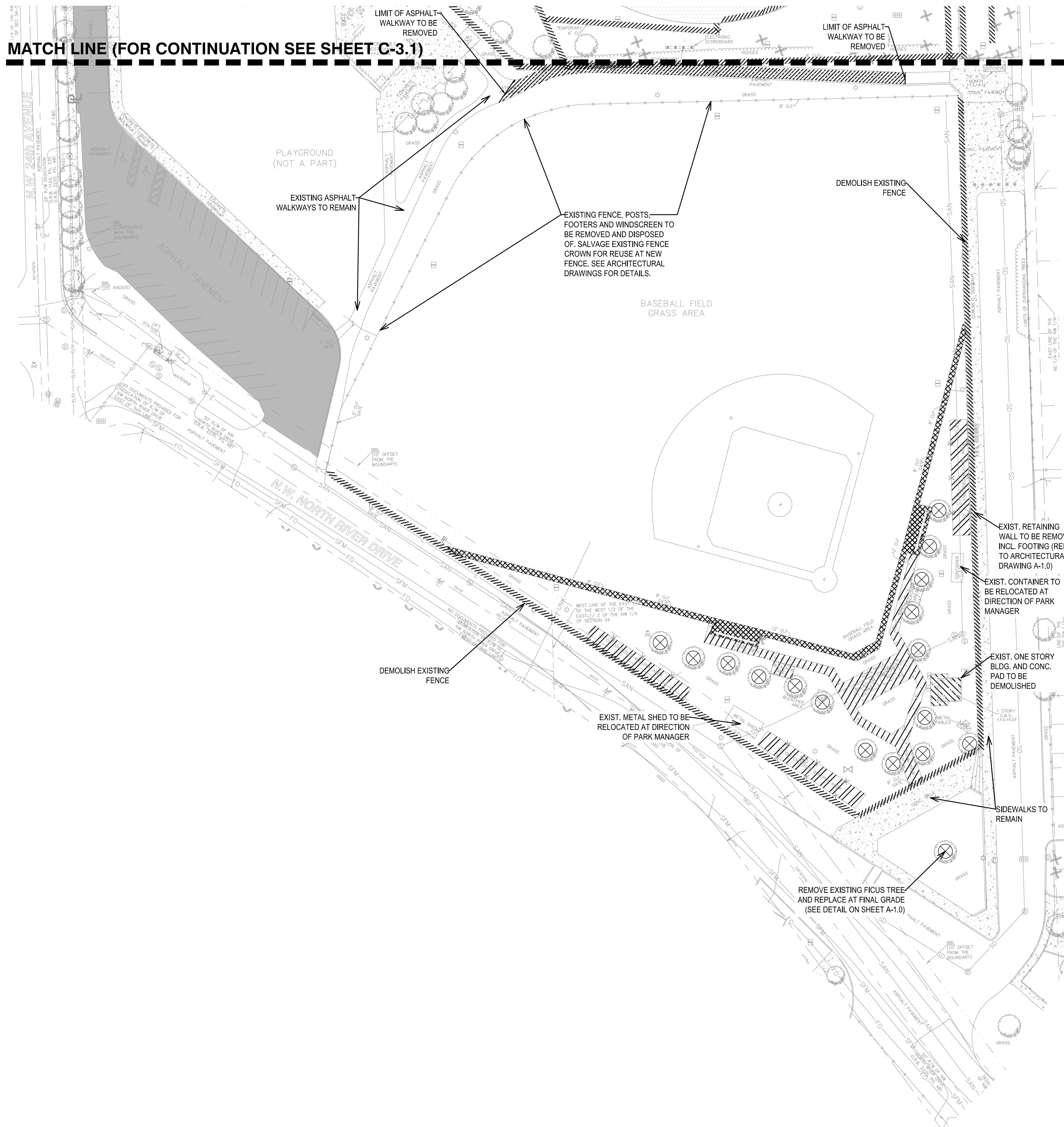
C-3.1

SHEET 6 of 35

BID SET
 DATE: JULY 2016

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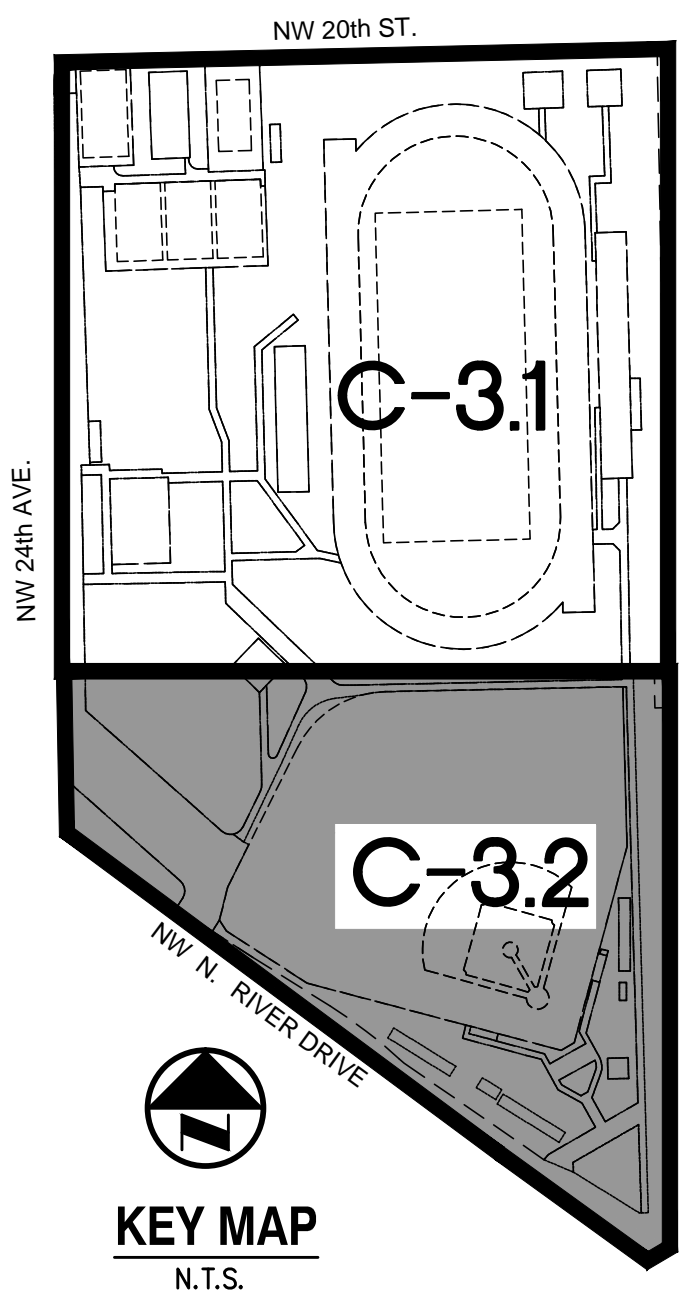


LEGEND

- P — PROPERTY LINE
- CL — CENTER LINE OF ROADWAY
- M — MONUMENT LINE
- O/H — EXIST. OVERHEAD LINE
- C/L — EXIST. CHAIN LINK FENCE TO REMAIN
- C/R — EXIST. CHAIN-LINK FENCE TO BE REMOVED
- CB — EXIST. CATCH BASIN
- B — EXIST. BENCH
- S — EXIST. SIGN
- P — EXIST. POST
- G — EXIST. GUY WIRE
- W — EXIST. WOOD POWER POLE
- P — EXIST. POWER POLE
- L — EXIST. LIGHT POLE
- S — EXIST. SANITARY MANHOLE
- D — EXIST. DRAINAGE MANHOLE
- E — EXIST. ELECTRIC BOX
- W — EXIST. WIRE PULL BOX
- E — EXIST. ELECTRIC MANHOLE
- T — EXIST. TREE TO REMAIN
- P — EXIST. PALM TREE TO REMAIN
- C — EXIST. CONCRETE TO REMAIN
- A — EXIST. ASPHALT TO BE MILLED, RE-SURFACED AND RE-STRIPED
- D — DUGOUTS AND CHAIN-LINK FENCE TO BE DEMOLISHED
- R — EXIST. ASPHALT TO BE REMOVED
- B — EXIST. ONE-STORY RESTROOM BUILDING TO BE DEMOLISHED
- T — EXIST. TREE TO BE REMOVED AND REPLACED AT FINAL GRADE, SEE DETAIL DRAWING NUMBER A-1.0.
- C — EXIST. BULLPEN AND BATTING CAGES TO BE REMOVED AND CHAIN LINK FENCE DEMOLISHED
- B — EXIST. CONCRETE WALK TO BE DEMOLISHED
- A — EXIST. ASPHALT WALKWAY TO BE DEMOLISHED

NOTES:

1. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
2. TREES NOT DESIGNATED FOR REMOVAL OR RELOCATION ARE TO BE PROTECTED AND REMAIN IN PLACE DURING CONSTRUCTION ACTIVITIES.
3. CONTRACTOR TO REFER TO LANDSCAPE PLANS FOR NEW LOCATIONS FOR THE IDENTIFIED EXISTING TREES TO BE RELOCATED.
4. CONTRACTOR IS TO PROTECT ALL EXISTING TREES, SIGNS UNDERGROUND AND ABOVE GROUND UTILITIES LOCATED IN THE SITE AREA. CONTRACTOR IS TO NOTIFY CITY OF MIAMI AND ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION.



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 7700 N. KENDALL DRIVE, SUITE 300, MIAMI, FL 33156
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 CERTIFICATE OF AUTHORIZATION NO. 00004892

PROFESSIONAL SEAL:

BRUCE J. CLARK, P.E.
 FL. REG. No. 31924

PROJECT NUMBER: 09213010.46

PROJECT NAME & ADDRESS:

CURTIS PARK
 CORRECTIVE ACTION PLAN
 1901 NW 24TH AVENUE
 MIAMI, FLORIDA

CLIENT NAME & ADDRESS:

CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 444 SW 2ND AVENUE
 MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE

SCALE: AS NOTED

FILE NAME: C-3 DEMOLITION PLAN.DWG

DRAWN BY: LCU

CHECKED BY: BJC

DATE: JULY 26, 2016

DRAWING TITLE:

DEMOLITION PLAN

DRAWING NUMBER:

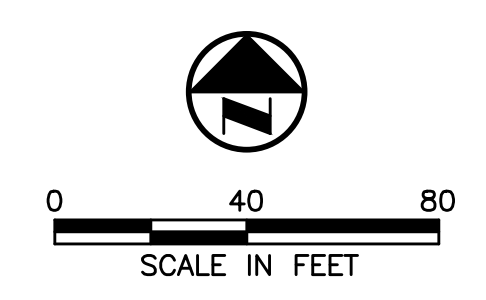
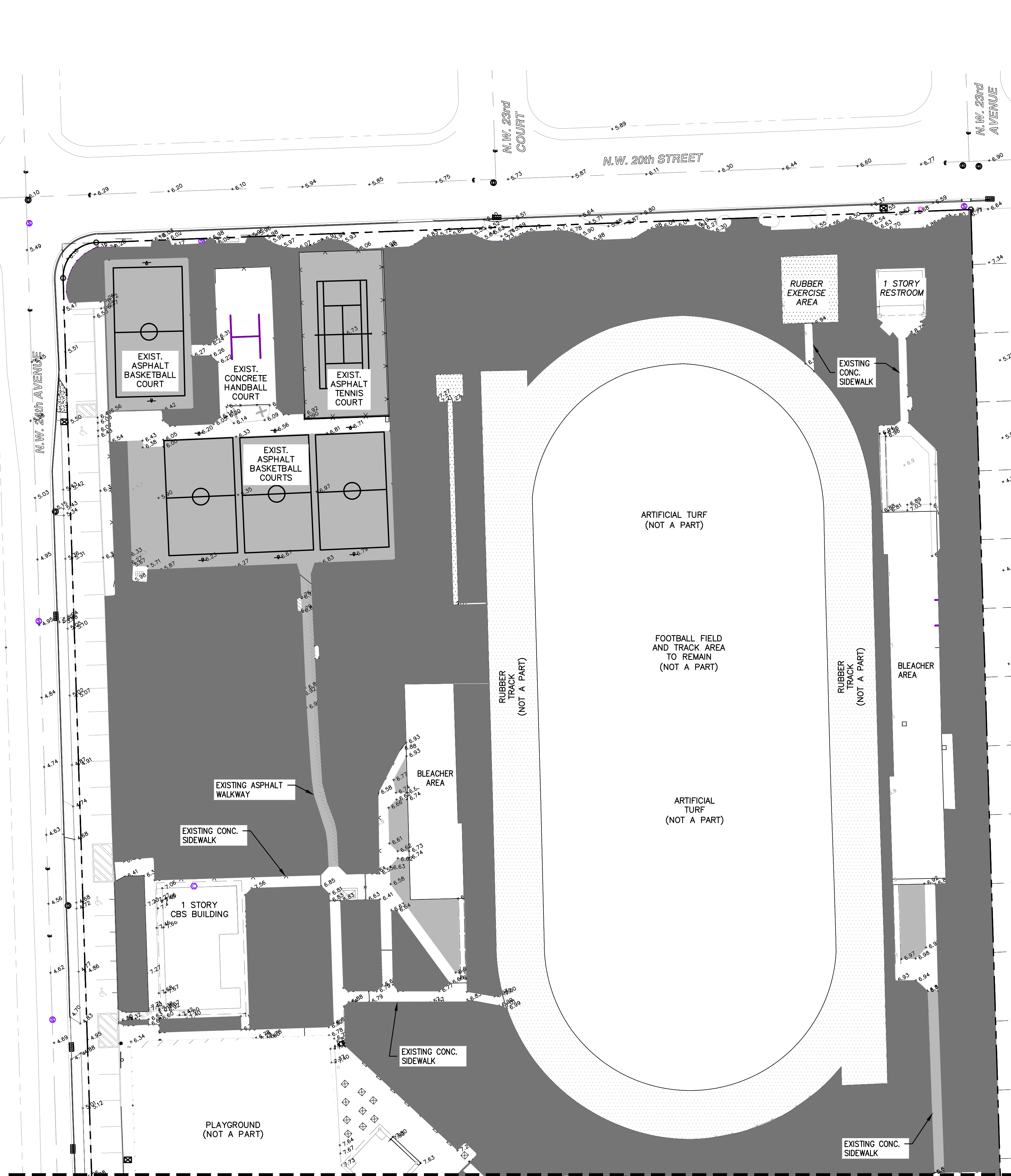
C-3.2

SHEET 7 of 35

BID SET
 DATE: JULY 2016



F:\PROJECT\city of miami\09213010.46 curtis park\permit drawings\miami\transmit\curtis park\permit drawings\C-4 CUT AND FILL PLAN.dwg Jul 29, 2016 - 4:56pm Layout Name: C-4.1 Cut and Fill - Northern By: 3950lca

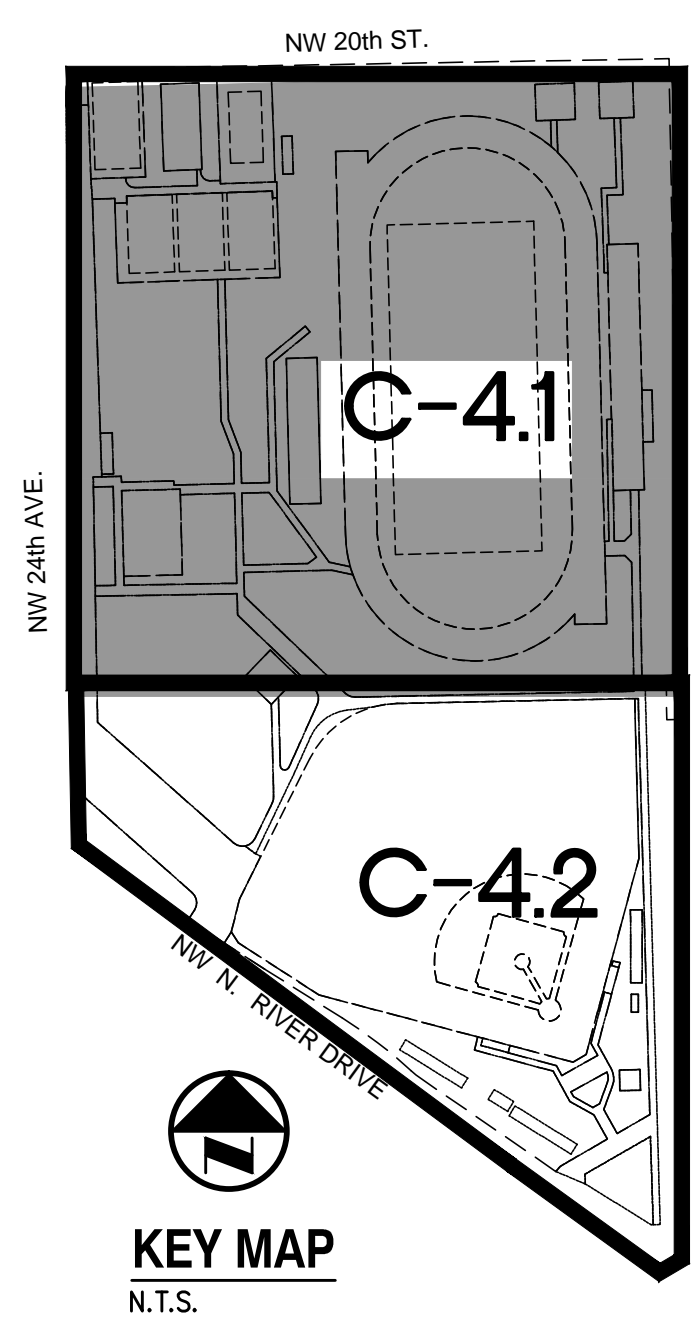


LEGEND

- PROPERTY LINE
- EXISTING TREE
- ⊕ EXISTING PALM
- EXISTING HEDGE
- █ CUT AREA: EXCAVATE ASH MATERIAL AND RELOCATE TO THE BALLFIELD AND PLACED AS FILL. SEE DRAWING NUMBER C-4.2.
- ▨ EXISTING RUBBER TRACK, POLE VAULTING STRIP, AND EXERCISE AREA TO REMAIN.

NOTES

1. EXISTING CONDITIONS PRESENTED ARE BASED ON BEST AVAILABLE INFORMATION OBTAINED BY EXISTING UTILITY OWNER AND THE TOPOGRAPHIC SURVEY PROVIDED BY BISCAZYNE ENGINEERING COMPANY, INC. 529 WEST FLAGLER STREET, MIAMI, FL. 33310 PHONE NO. (305) 324-0809.
2. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO PROTECT ALL EXISTING TREES, SIGNS, UNDERGROUND AND ABOVE GROUND UTILITIES LOCATED IN THE SITE AREA. CONTRACTOR IS TO COORDINATE WITH CITY OF MIAMI AND ENGINEER REGARDING ANY CONFLICTS PRIOR TO CONSTRUCTION.
4. ALL DISTURBED AREAS SHALL BE RESTORED TO EXISTING CONDITIONS OR BETTER.
5. PAVEMENT AND DRIVEWAY RESTORATION ARE TO MATCH EXISTING GRADE UNLESS OTHERWISE NOTED.
6. ANY EXISTING UTILITIES DAMAGED BY CONTRACTOR OR SUBCONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR IN KIND.
7. ALL LOCATIONS, EXCLUDING PROPOSED DUGOUT LOCATIONS, IDENTIFIED AS CUT/FILL REQUIRE A MINIMUM OF 12 INCHES OF CLEAN FILL MATERIAL. AREAS IDENTIFIED AS CUT ON THIS DRAWING REQUIRE REMOVAL OF EXISTING MATERIALS TO ESTABLISH SUBGRADE. AREAS IDENTIFIED AS FILL REQUIRE INSTALLATION OF RELOCATED MATERIAL TO ESTABLISH SUBGRADE.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING SUBGRADE ELEVATIONS TO MEET THE PROPOSED FINAL ELEVATIONS MINUS THE 12" OF CLEAN FILL.
9. THE PROPOSED DUGOUT LOCATIONS REQUIRE REMOVAL OF EXISTING MATERIALS TO ESTABLISH SUBGRADE. IN THESE TWO AREAS ONLY, SUBGRADE SHALL BE IDENTIFIED AS 36 INCHES BELOW PROPOSED GRADE. DUGOUT LOCATIONS SHOWN IN THESE PLANS SUBJECT TO ADJUSTMENT. CONTRACTOR RESPONSIBLE FOR CONFIRMING EXACT DUGOUT LOCATIONS WITH ARCHITECT PRIOR TO PREPARING SUBGRADE AT THE PROPOSED DUGOUT LOCATIONS.
10. CONTRACTOR TO PROVIDE DETAILED AS-BUILT SURVEYS THAT CLEARLY DEFINE AREAS OF WORK COMPLETED UNDER THIS CONTRACT INCLUDING BUT NOT LIMITED TO ALL RIM ELEVATIONS (EXISTING PROPOSED STRUCTURES), ALL INVERTS, BOTTOM OF STRUCTURE, SUFFICIENT SWALE ELEVATIONS TO DEMONSTRATE THAT SWALES DRAIN TO INLETS, LOCATION OF DRAINAGE WELLS, LOCATION OF DRIVEWAY RESTORATION, AND RESTORED ASPHALT PAVEMENT.



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 7700 N. KENDALL DRIVE, SUITE 900, MIAMI, FL 33156
 PH. (305) 412-8185 FAX. (305) 412-8105 FL
 CERTIFICATE OF AUTHORIZATION NO. 00004892

PROFESSIONAL SEAL:

BRUCE J. CLARK, P.E.
 FL. REG. No. 31924

PROJECT NUMBER: 09213010.46

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CURTIS PARK
 CORRECTIVE ACTION PLAN
 1901 NW 24TH AVENUE
 MIAMI, FLORIDA

CLIENT NAME & ADDRESS:


CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 444 SW 2ND AVENUE
 MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE
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SCALE: AS NOTED

FILE NAME: C-4 CUT AND FILL PLAN.DWG

DRAWN BY: LCU

CHECKED BY: BJC

DATE: JULY 26, 2016

DRAWING TITLE:

C-4 CUT AND FILL PLAN -
C-4.1 CUT AND FILL -
NORTHERN

DRAWING NUMBER:

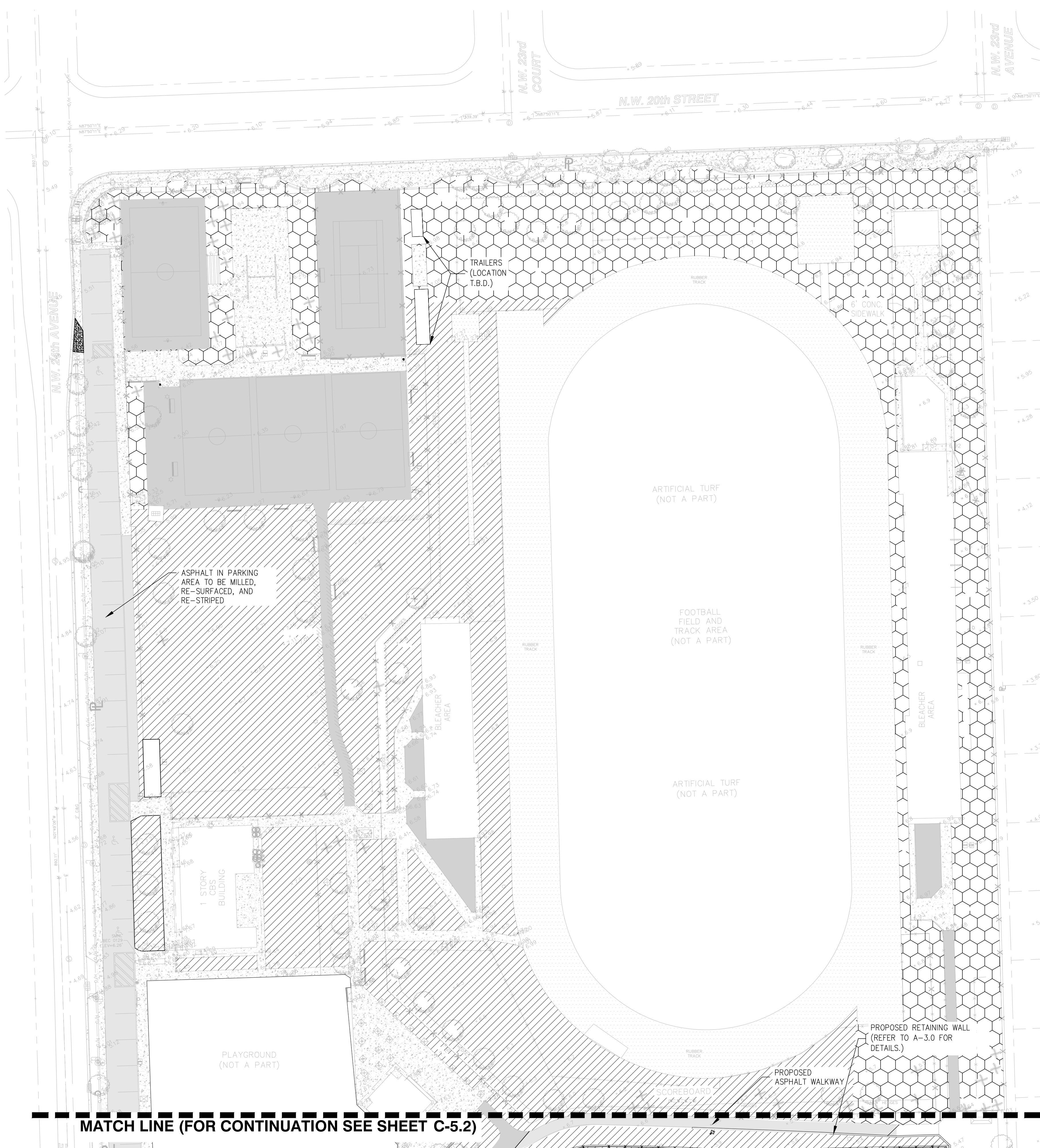
C-4.1

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 DATE: JULY 2016

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0 40 80
SCALE IN FEET

LEGEND

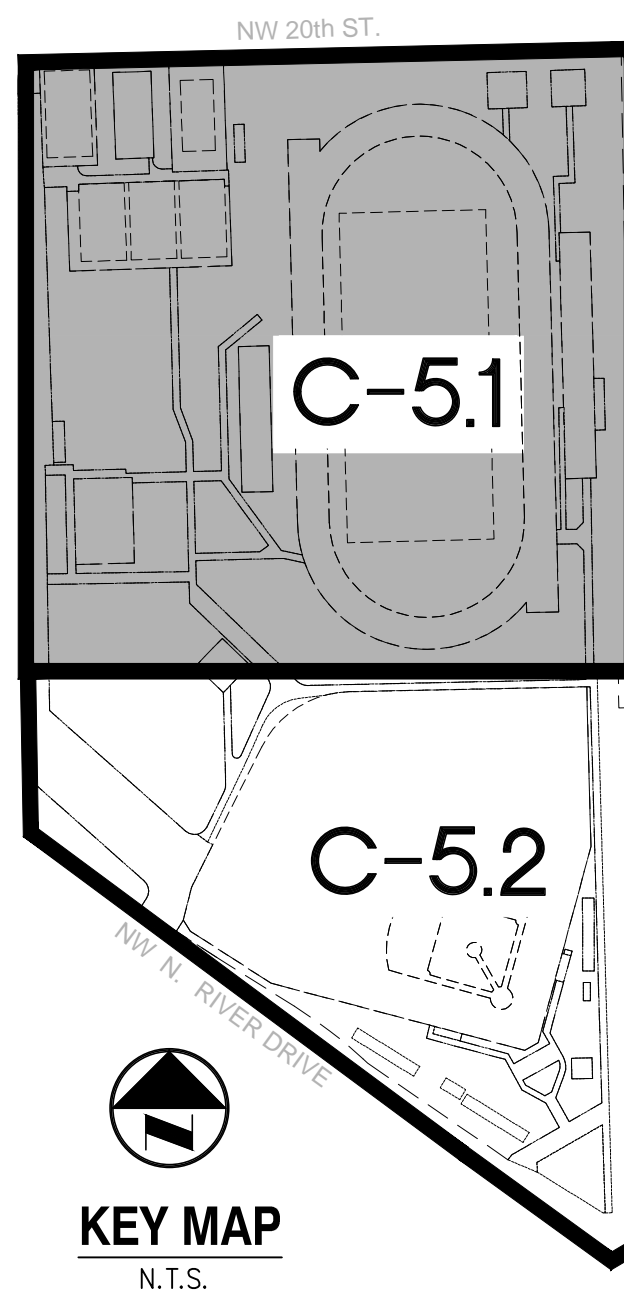
- P — PROPERTY LINE
- C — CENTER LINE
- M — MONUMENT LINE
- O — EXIST. OVERHEAD LINE
- X — EXIST. CHAIN LINK FENCE
- CB — EXIST. CATCH BASIN
- B — EXIST. BENCH
- S — EXIST. SIGN
- P — EXIST. POST
- G — EXIST. GUY WIRE
- W — EXIST. WOOD POWER POLE
- P — EXIST. POWER POLE
- L — EXIST. LIGHT POLE
- S — EXIST. SANITARY MANHOLE
- D — EXIST. DRAINAGE MANHOLE
- E — EXIST. ELECTRIC BOX
- W — EXIST. WIRE PULL BOX
- E — EXIST. ELECTRIC MANHOLE
- T — EXIST. TREE
- P — EXIST. PALM TREE

ENGINEERING CONTROL

- [Pattern] EXIST. CONCRETE
- [Pattern] EXIST. ASPHALT TO REMAIN
- [Pattern] PROPOSED ASPHALT PAVEMENT MILLING AND RESURFACING (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] PROPOSED LINER: INSTALL GEOTEXTILE (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] PROPOSED LINER: INSTALL GCL (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] PROPOSED CONCRETE SIDEWALK (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] FENCE POST TRENCH (SEE DETAIL THIS SHEET)

NOTES

1. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
2. PROPOSED SUBGRADES AND FINAL GRADES TO BE FIELD ADJUSTED TO MEET REQUIREMENTS SET FORTH IN THIS ENGINEERING CONTROL PLAN.
3. ANY EXCAVATED MATERIAL TO BE DISPOSED OF OFFSITE SHALL BE PROPERLY DISPOSED OF AT A PERMITTED LANDFILL. CONTRACTOR TO PROVIDE DISPOSAL MANIFESTS FOR CONTAMINATED SOIL AND TICKETS FOR IMPORTED CLEAN FILL.
4. CONTRACTOR TO PROTECT ALL EXISTING TREES, SIGNS, UNDERGROUND AND ABOVE GROUND UTILITIES LOCATED IN THE SITE AREA. CONTRACTOR TO NOTIFY CITY OF MIAMI AND ENGINEER OF RECORD OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
5. CONTRACTOR SHALL FURNISH WRITTEN AND DOCUMENTED VERIFICATION OF THE SOIL EXCAVATION DEPTH TO THE ENGINEER OF RECORD. IN ADDITION, CONTRACTOR SHALL PROVIDE SUFFICIENT TIME FOR THE CITY'S ON-SITE REPRESENTATIVES TO OBSERVE THE EXCAVATION DEPTHS PRIOR TO FILLING ACTIVITIES.
6. CONTRACTOR SHALL PROVIDE TO THE ENGINEER OF RECORD AS-BUILT DRAWINGS ILLUSTRATING SPOT ELEVATIONS OF THE SUBSURFACE AND FINAL GRADED SURFACE EVERY 50 FT. FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF ANY ENGINEERING CONTROL.
7. UPON COMPLETION OF THE ENGINEERING CONTROLS, CONTRACTOR SHALL FURNISH THE ENGINEER OF RECORD "AS-BUILT" PLANS ILLUSTRATING SPOT ELEVATIONS TAKEN EVERY 50 FT. OF THE FINISHED GRADE. SPOT ELEVATIONS ARE TO INCLUDE HIGH AND LOW POINT ELEVATIONS.
8. NEW LOCATIONS FOR IDENTIFIED EXISTING TREES TO BE RELOCATED SHALL BE COORDINATED BY THE CONTRACTOR WITH THE CITY OF MIAMI PRIOR TO ANY OF THE EXISTING TREES BEING REMOVED.
9. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DETAILS OF ALL FENCES, DUGOUTS, BULLPENS AND OTHER BASEBALL FIELD STRUCTURES AND APPURTENANCES.



SCS ENGINEERS
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CERTIFICATE OF AUTHORIZATION NO. 00004892

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1901 NW 24TH AVENUE
MIAMI, FLORIDA

CLIENT NAME & ADDRESS:



CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM
444 SW 2ND AVENUE
MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE

SCALE: AS NOTED

FILE NAME: C-5 ENGINEERING CONTROL.DWG

DRAWN BY: LCU

CHECKED BY: BJC

DATE: JULY 26, 2016

DRAWING TITLE:

ENGINEERING CONTROL
PLAN - LINER

DRAWING NUMBER:

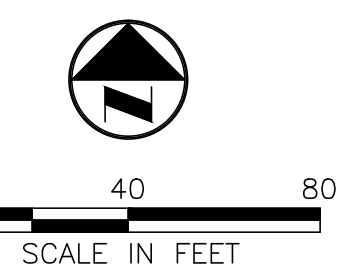
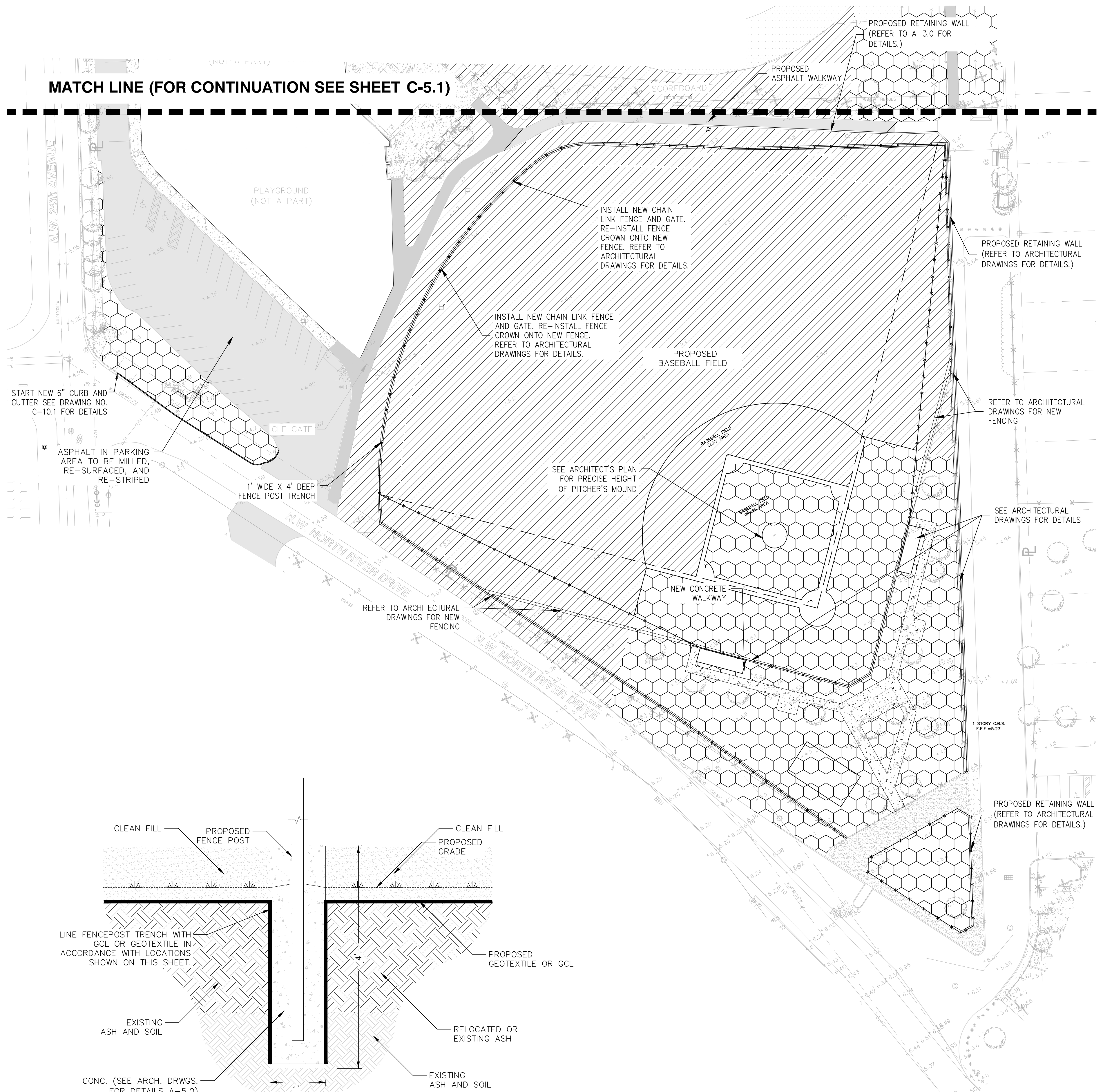
C-5.1

SHEET 10 of 35

BID SET
DATE: JULY 2016



F:\PROJECT\city of miami\09213010.46 curtis park\permit drawings\curtis park\transmit\curtis park\permit drawings\C-5 ENGINEERING CONTROL.dwg Jul 29, 2016 - 4:57pm Layout Name: C-5.2 By: 3950lca



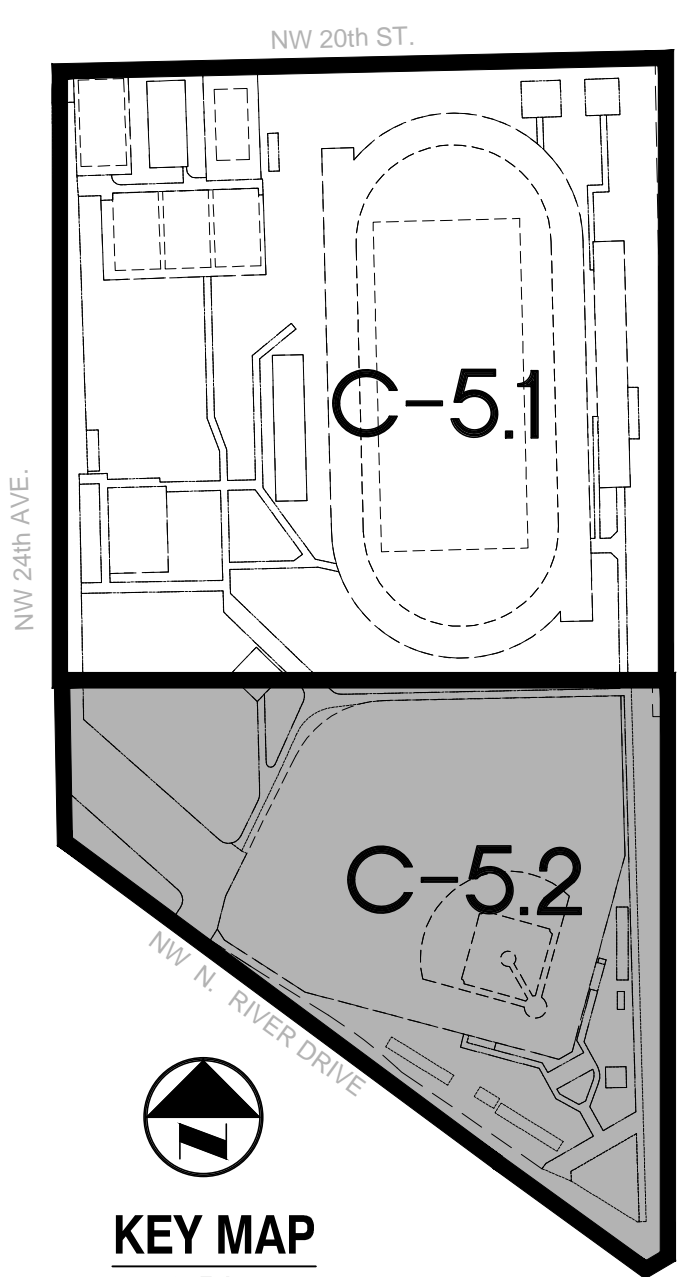
LEGEND

	PROPERTY LINE
	CENTER LINE
	MONUMENT LINE
	EXIST. OVERHEAD LINE
	EXIST. CHAIN LINK FENCE
	EXIST. CATCH BASIN
	EXIST. BENCH
	EXIST. SIGN
	EXIST. POST
	EXIST. GUY WIRE
	EXIST. WOOD POWER POLE
	EXIST. POWER POLE
	EXIST. LIGHT POLE
	EXIST. SANITARY MANHOLE
	EXIST. DRAINAGE MANHOLE
	EXIST. ELECTRIC BOX
	EXIST. WIRE PULL BOX
	EXIST. ELECTRIC MANHOLE
	EXIST. TREE
	EXIST. PALM TREE

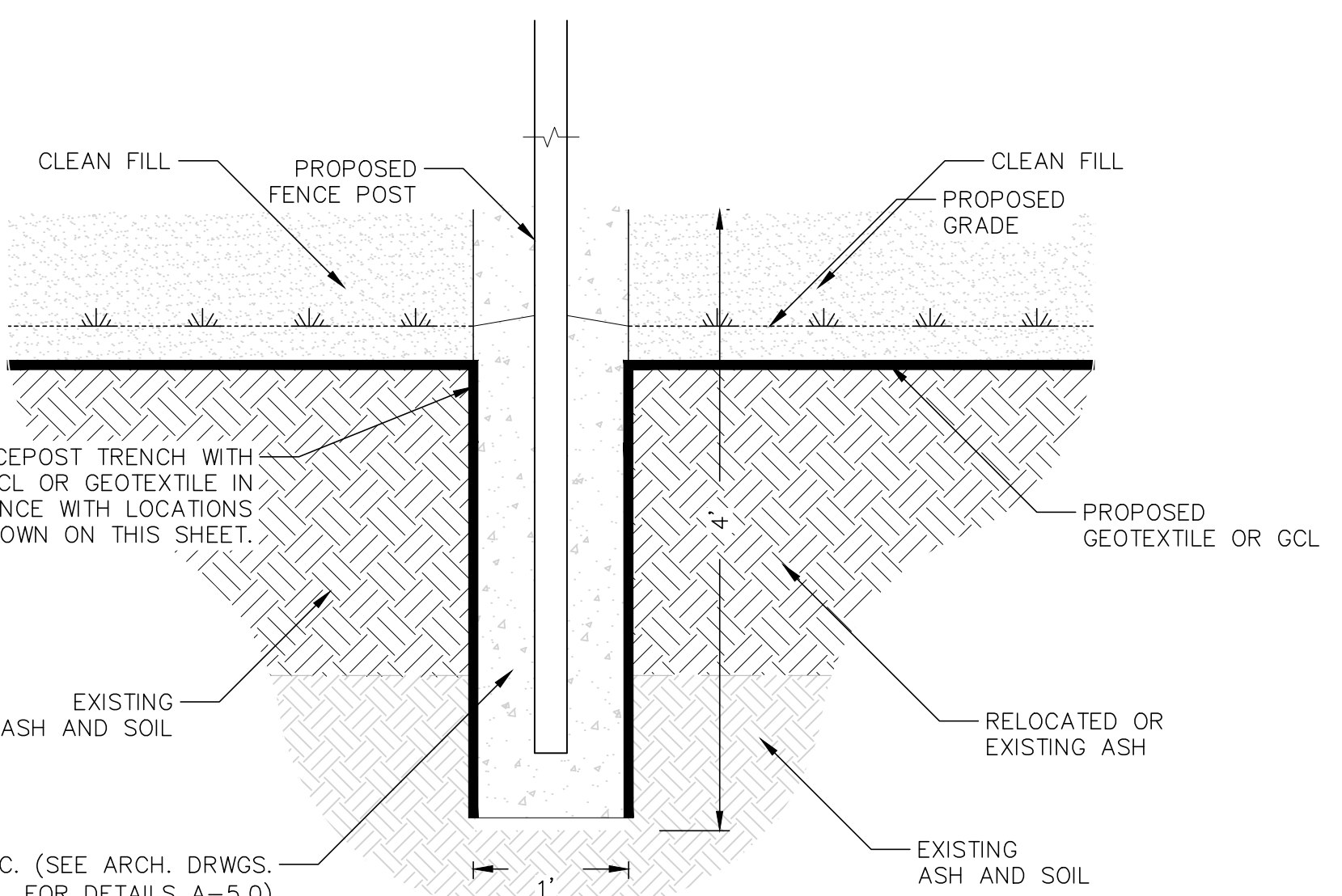
ENGINEERING CONTROL

	EXIST. CONCRETE
	EXIST. ASPHALT TO REMAIN
	PROPOSED ASPHALT PAVEMENT MILLING AND RESURFACING (SEE DETAIL ON DRAWING NO. C-8.0)
	PROPOSED LINER: INSTALL GEOTEXTILE (SEE DETAIL ON DRAWING NO. C-8.0)
	PROPOSED LINER: INSTALL GCL (SEE DETAIL ON DRAWING NO. C-8.0)
	PROPOSED CONCRETE SIDEWALK (SEE DETAIL ON DRAWING NO. C-8.0)
	FENCE POST TRENCH (SEE DETAIL THIS SHEET)

- NOTES**
- CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
 - PROPOSED SUBGRADES AND FINAL GRADES TO BE FIELD ADJUSTED TO MEET REQUIREMENTS SET FORTH IN THIS ENGINEERING CONTROL PLAN.
 - ANY EXCAVATED MATERIAL TO BE DISPOSED OF OFFSITE SHALL BE PROPERLY DISPOSED OF AT A PERMITTED LANDFILL. CONTRACTOR TO PROVIDE DISPOSAL MANIFESTS FOR CONTAMINATED SOIL AND TICKETS FOR IMPORTED CLEAN FILL.
 - CONTRACTOR TO PROTECT ALL EXISTING TREES, SIGNS, UNDERGROUND AND ABOVE GROUND UTILITIES LOCATED IN THE SITE AREA. CONTRACTOR TO NOTIFY CITY OF MIAMI AND ENGINEER OF RECORD OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL FURNISH WRITTEN AND DOCUMENTED VERIFICATION OF THE SOIL EXCAVATION DEPTH TO THE ENGINEER OF RECORD. IN ADDITION, CONTRACTOR SHALL PROVIDE SUFFICIENT TIME FOR THE CITY'S ON-SITE REPRESENTATIVES TO OBSERVE THE EXCAVATION DEPTHS PRIOR TO FILLING ACTIVITIES.
 - CONTRACTOR SHALL PROVIDE TO THE ENGINEER OF RECORD AS-BUILT DRAWINGS ILLUSTRATING SPOT ELEVATIONS OF THE SUBSURFACE AND FINAL GRADED SURFACE EVERY 50 FT. FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF ANY ENGINEERING CONTROL.
 - UPON COMPLETION OF THE ENGINEERING CONTROLS, CONTRACTOR SHALL FURNISH THE ENGINEER OF RECORD "AS-BUILT" PLANS ILLUSTRATING SPOT ELEVATIONS TAKEN EVERY 50 FT. OF THE FINISHED GRADE. SPOT ELEVATIONS ARE TO INCLUDE HIGH AND LOW POINT ELEVATIONS.
 - NEW LOCATIONS FOR IDENTIFIED EXISTING TREES TO BE RELOCATED SHALL BE COORDINATED BY THE CONTRACTOR WITH THE CITY OF MIAMI PRIOR TO ANY OF THE EXISTING TREES BEING REMOVED.
 - REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DETAILS OF ALL FENCES, DUGOUTS, BULLPENS AND OTHER BASEBALL FIELD STRUCTURES AND APPURTENANCES.



MATCH LINE (FOR CONTINUATION SEE SHEET C-5.1)



FENCEPOST TRENCH DETAIL (TYP.)
 NOTE: NOT TO SCALE
 CONTRACTOR SHALL EXCAVATE (4' DEEP BY 1' WIDE) FENCE POST TRENCH ALONG CHAIN LINK PROPOSED LOCATION AND REMOVE EXISTING ASH. CONTRACTOR SHALL LINE TRENCH WITH GCL OR GEOTEXTILE IN ACCORDANCE W/ ENG. CONTROL PLANS.

SCS ENGINEERS
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 PH. (305) 412-8185 FAX. (305) 412-8105 FL
 CERTIFICATE OF AUTHORIZATION NO. 00004892

PROFESSIONAL SEAL:
 BRUCE J. CLARK, P.E.
 FL. REG. No. 31924

PROJECT NUMBER: 09213010.46

PROJECT NAME & ADDRESS:

CURTIS PARK
 CORRECTIVE ACTION PLAN
 1901 NW 24TH AVENUE
 MIAMI, FLORIDA

CLIENT NAME & ADDRESS:

CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 444 SW 2ND AVENUE
 MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE

SCALE: AS NOTED

FILE NAME: C-5 ENGINEERING CONTROL.DWG

DRAWN BY: LCU

CHECKED BY: BJC

DATE: JULY 26, 2016

DRAWING TITLE:

ENGINEERING CONTROL PLAN - LINER

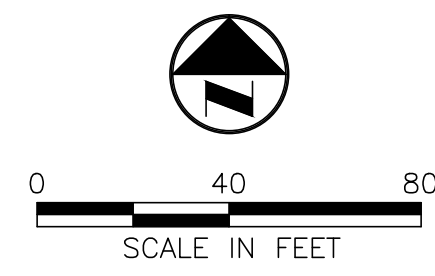
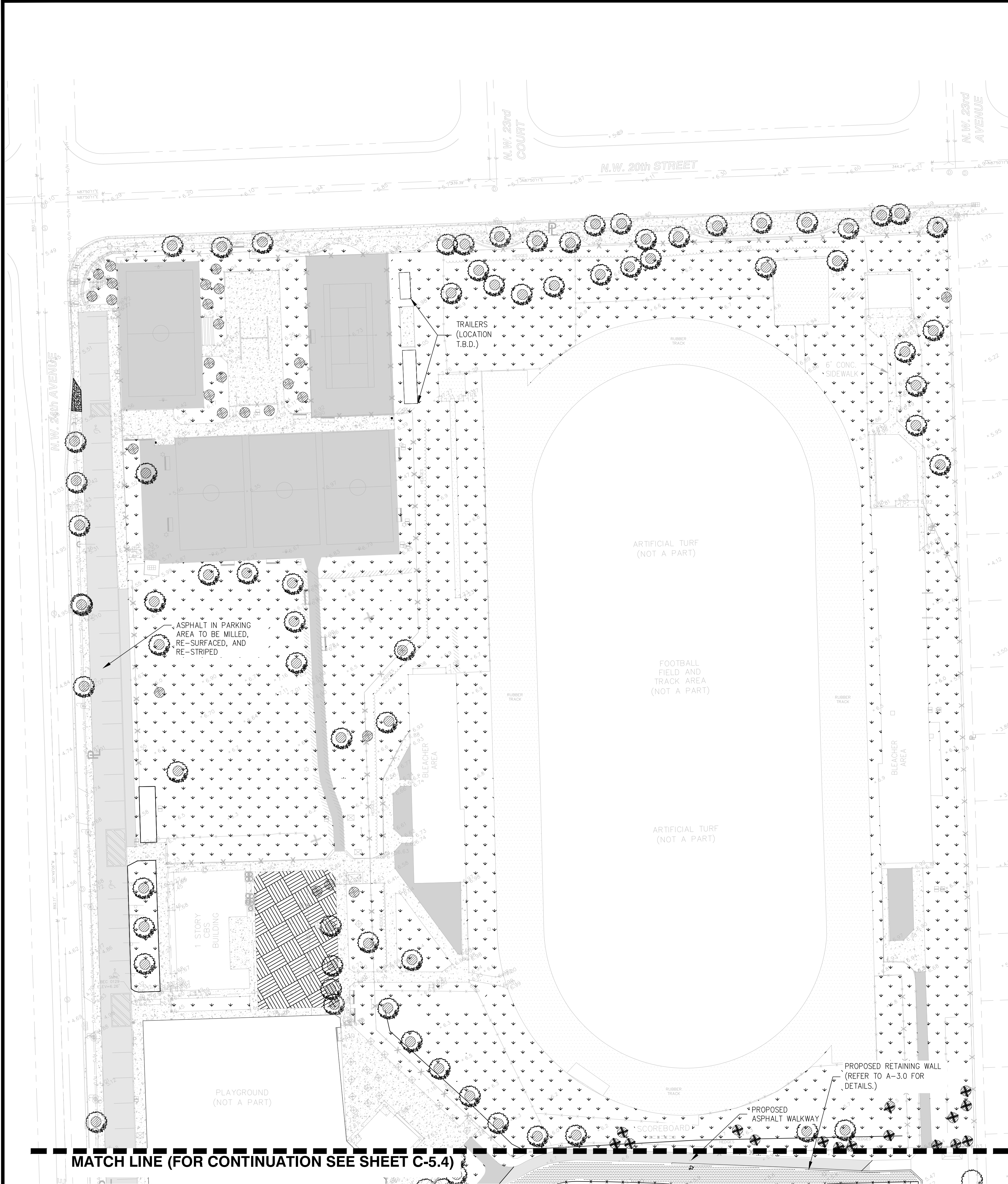
DRAWING NUMBER:

C-5.2

BID SET
 DATE: JULY 2016

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LEGEND

- P — PROPERTY LINE
- C — CENTER LINE
- M — MONUMENT LINE
- O — EXIST. OVERHEAD LINE
- X — EXIST. CHAIN LINK FENCE
- CB — EXIST. CATCH BASIN
- B — EXIST. BENCH
- S — EXIST. SIGN
- P — EXIST. POST
- G — EXIST. GUY WIRE
- W — EXIST. WOOD POWER POLE
- P — EXIST. POWER POLE
- L — EXIST. LIGHT POLE
- S — EXIST. SANITARY MANHOLE
- D — EXIST. DRAINAGE MANHOLE
- E — EXIST. ELECTRIC BOX
- W — EXIST. WIRE PULL BOX
- E — EXIST. ELECTRIC MANHOLE
- T — EXIST. TREE
- P — EXIST. PALM TREE

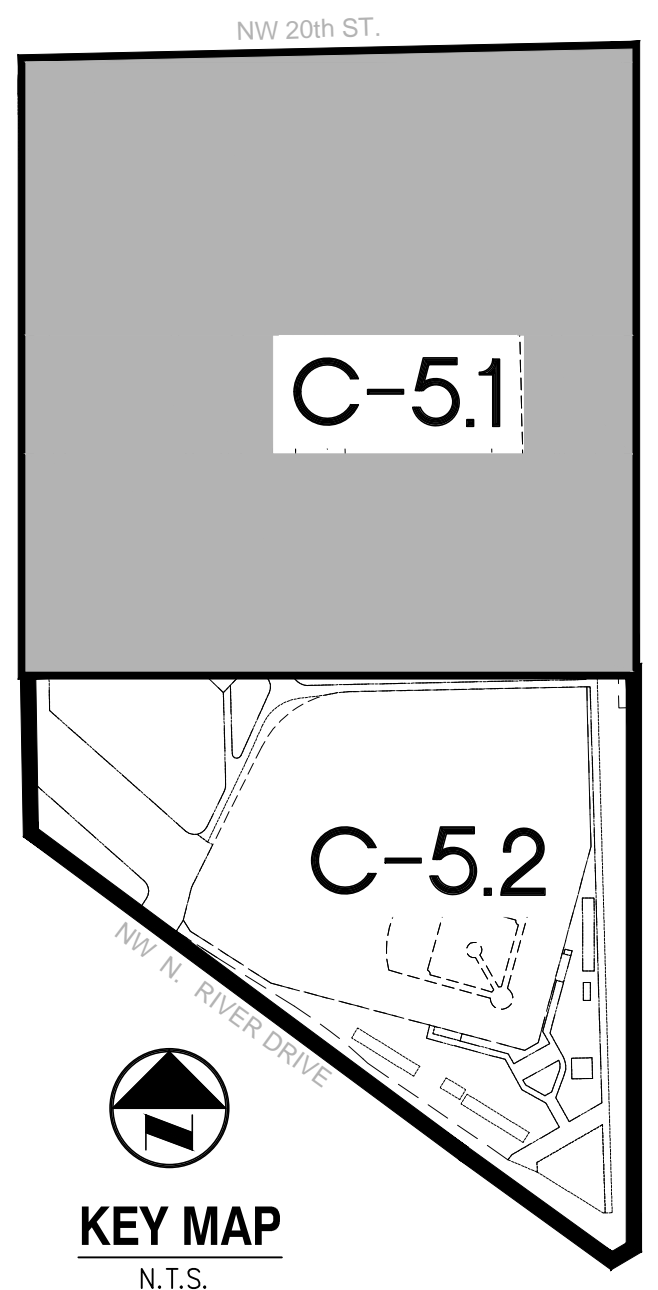
ENGINEERING CONTROL

- [Pattern] EXIST. RUBBER TRACK, POLE VAULTING STRIP, AND EXERCISE AREA TO REMAIN
- [Pattern] EXIST. CONCRETE
- [Pattern] EXIST. ASPHALT TO REMAIN
- [Pattern] PROPOSED ASPHALT PAVEMENT MILLING AND RESURFACING (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] PROPOSED FINAL SURFACE: ABOVE LINER, INSTALL 12" CLEAN FILL, AND ST. AUGUSTINE SOD (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] PROPOSED FINAL SURFACE: ABOVE LINER, 12" CLEAN FILL, AND ARTIFICIAL TURF GRASS (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] PROPOSED TREE TREATMENT AREA: 12" CLEAN FILL MINIMUM, 2.5" BONDED RUBBER MULCH, (SEE DETAIL ON DRAWING NO. C-8.0)

NOTES

1. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
2. PROPOSED SUBGRADES AND FINAL GRADES TO BE FIELD ADJUSTED TO MEET REQUIREMENTS SET FORTH IN THIS ENGINEERING CONTROL PLAN.
3. ANY EXCAVATED MATERIAL TO BE DISPOSED OF OFFSITE SHALL BE PROPERLY DISPOSED OF AT A PERMITTED LANDFILL. CONTRACTOR TO PROVIDE DISPOSAL MANIFESTS FOR CONTAMINATED SOIL AND TICKETS FOR IMPORTED CLEAN FILL.
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6. CONTRACTOR SHALL PROVIDE TO THE ENGINEER OF RECORD AS-BUILT DRAWINGS ILLUSTRATING SPOT ELEVATIONS OF THE SUBSURFACE AND FINAL GRADED SURFACE EVERY 50 FT. FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF ANY ENGINEERING CONTROL.
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9. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DETAILS OF ALL FENCES, DUGOUTS, BULLPENS AND OTHER BASEBALL FIELD STRUCTURES AND APPURTENANCES.

ZONING DATA		
MIAMI 21 ZONING	CIVIC SPACE ZONE	
LAND USE DESIGNATION	PR - PARKING AND RECREATION AND OPEN SPACE	
TOTAL SITE AREA	622,908 SQ FT (14.3 AC)	100%
FEMA FLOOD ELEVATION	ZONE "AE" ELEVATION MAP NUMBER 12086C0311L	
MIAMI WATER TABLE	(OCTOBER 2015): 2.50 FT-NGVD	
PARKING		
	SPACES EXISTING	SPACES PROVIDED
TOTAL ACCESSIBLE PARKING	5	5
TOTAL PARKING (EXCLUDING ACCESSIBLE)	64	64



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 7700 N. KENDALL DRIVE, SUITE 300, MIAMI, FL 33156
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 CAPITAL IMPROVEMENTS PROGRAM
 444 SW 2ND AVENUE
 MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE
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SCALE: AS NOTED

FILE NAME: C-5 ENGINEERING CONTROL.DWG

DRAWN BY: LCU

CHECKED BY: BJC

DATE: JULY 26, 2016

DRAWING TITLE:

**ENGINEERING CONTROL
 PLAN - FINAL SURFACES**

DRAWING NUMBER:

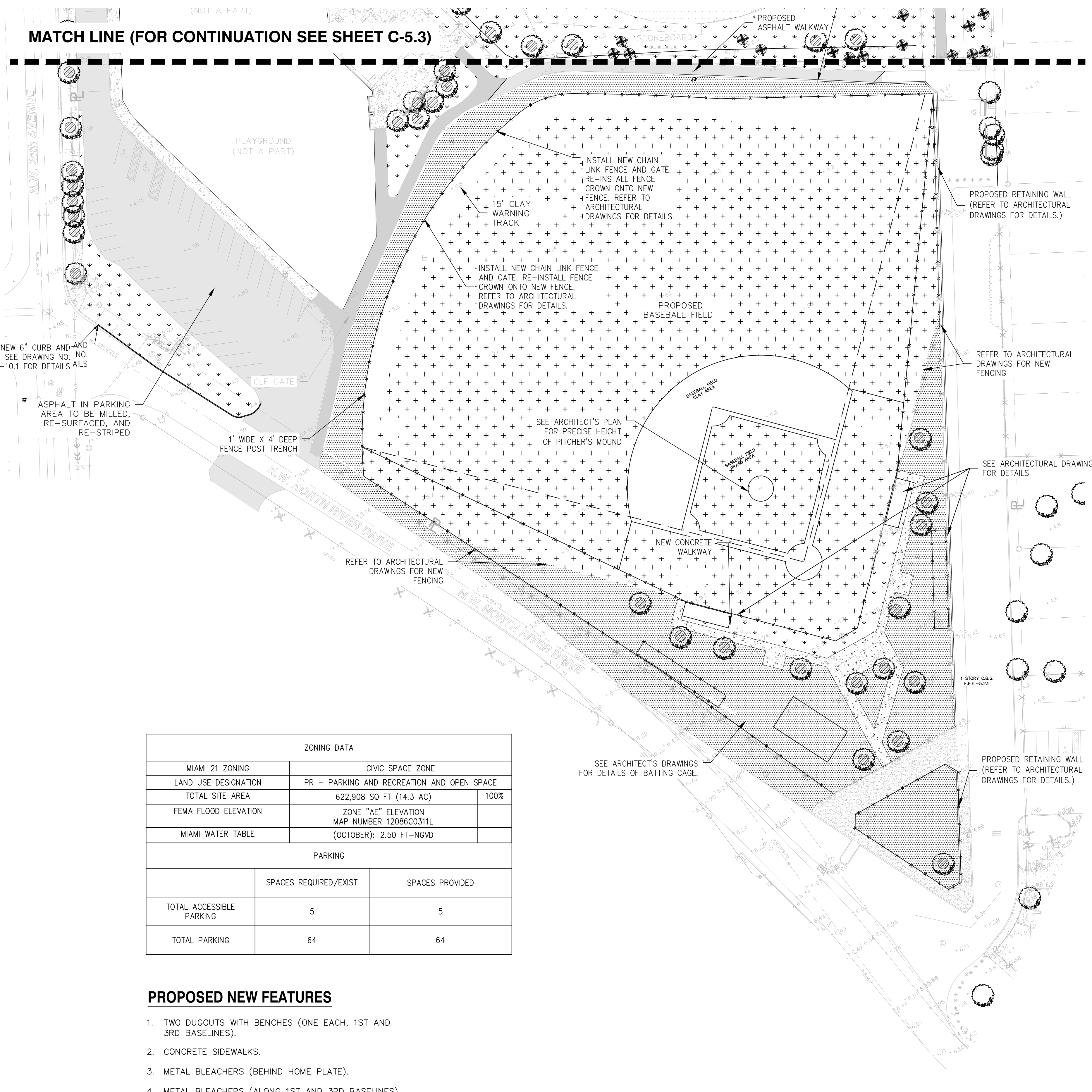
C-5.3

BID SET
 DATE: JULY 2016

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LEGEND

- - - - - PROPERTY LINE
- - - - - CENTER LINE
- - - - - MONUMENT LINE
- - - - - EXIST. OVERHEAD LINE
- - - - - EXIST. CHAIN LINK FENCE
- - - - - EXIST. CATCH BASIN
- - - - - EXIST. BENCH
- - - - - EXIST. SIGN
- - - - - EXIST. POST
- - - - - EXIST. GUY WIRE
- - - - - EXIST. WOOD POWER POLE
- - - - - EXIST. POWER POLE
- - - - - EXIST. LIGHT POLE
- - - - - EXIST. SANITARY MANHOLE
- - - - - EXIST. DRAINAGE MANHOLE
- - - - - EXIST. ELECTRIC BOX
- - - - - EXIST. WIRE PULL BOX
- - - - - EXIST. ELECTRIC MANHOLE
- - - - - EXIST. TREE
- - - - - EXIST. PALM TREE

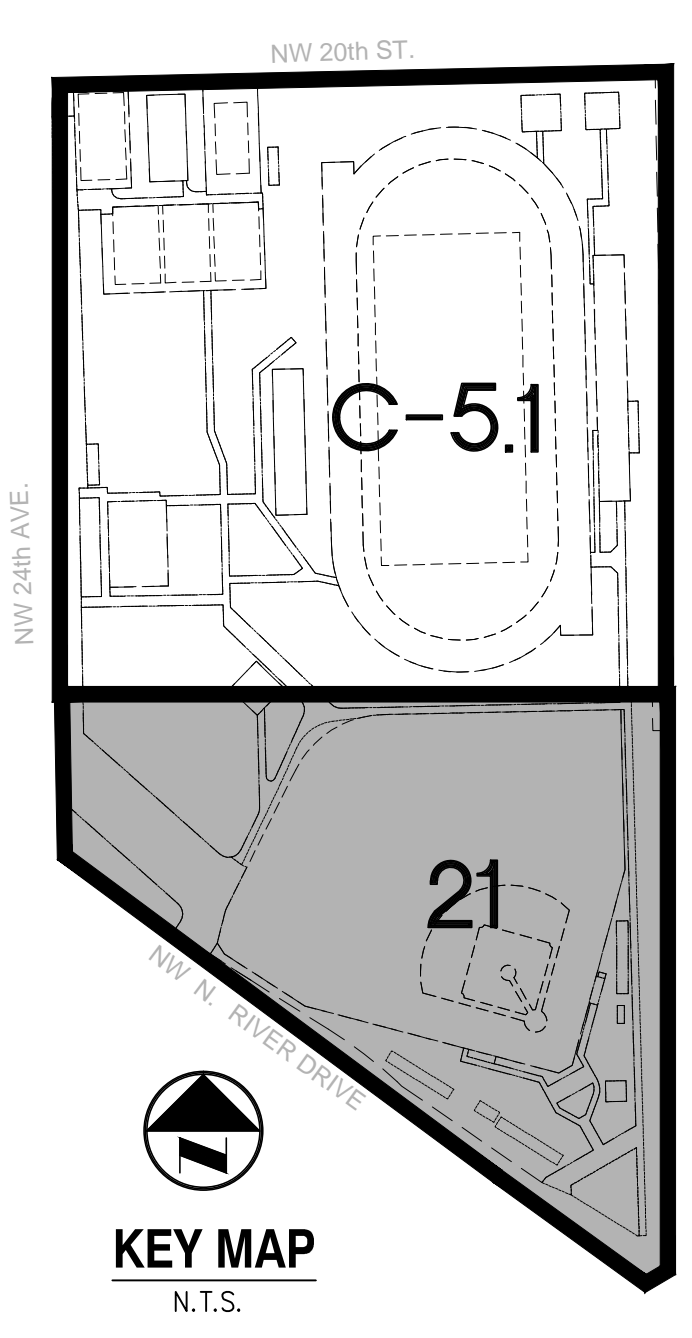
ENGINEERING CONTROL

- [Pattern] EXIST. RUBBER TRACK, POLE VAULTING STRIP, AND EXERCISE AREA TO REMAIN
- [Pattern] EXIST. CONCRETE
- [Pattern] EXIST. ASPHALT TO REMAIN
- [Pattern] PROPOSED ASPHALT PAVEMENT MILLING AND RESURFACING (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] PROPOSED FINAL SURFACE: ABOVE LINER, INSTALL 12" CLEAN FILL, AND FLORATAN SOD (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] PROPOSED FINAL SURFACE: ABOVE LINER, INSTALL 12" CLEAN FILL, AND ST. AUGUSTINE SOD (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] PROPOSED BASEBALL FIELD: ABOVE LINER, INSTALL 12" CLEAN FILL AND BERMUDA SOD (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] PROPOSED FINAL SURFACE: ABOVE LINER, INSTALL 12" CLEAN FILL, AND ARTIFICIAL TURF GRASS (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] PROPOSED TREE TREATMENT AREA: 12" CLEAN FILL MINIMUM, 2.5" BONDED RUBBER MULCH, (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] PROPOSED CONCRETE SIDEWALK (SEE DETAIL ON DRAWING NO. C-8.0)
- [Pattern] PROPOSED BASEBALL CLAY: ABOVE LINER, INSTALL 6" CLEAN FILL, 6 INCHES OF CLAY (SEE DETAIL ON DRAWING NO. C-8.0)

- NOTES**
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ZONING DATA		
MIAMI 21 ZONING	CIVIC SPACE ZONE	
LAND USE DESIGNATION	PR - PARKING AND RECREATION AND OPEN SPACE	
TOTAL SITE AREA	622,908 SQ FT (14.3 AC)	100%
FEMA FLOOD ELEVATION	ZONE "AE" ELEVATION MAP NUMBER 12086C0311L	
MIAMI WATER TABLE	(OCTOBER): 2.50 FT-NGVD	
PARKING		
	SPACES REQUIRED/EXIST	SPACES PROVIDED
TOTAL ACCESSIBLE PARKING	5	5
TOTAL PARKING	64	64

- PROPOSED NEW FEATURES**
- TWO DUGOUTS WITH BENCHES (ONE EACH, 1ST AND 3RD BASELINES).
 - CONCRETE SIDEWALKS.
 - METAL BLEACHERS (BEHIND HOME PLATE).
 - METAL BLEACHERS (ALONG 1ST AND 3RD BASELINES).
 - CHAIN LINK FENCE.
 - TWO BULL PENS.
 - RETAINING WALL.



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 CERTIFICATE OF AUTHORIZATION NO. 00004892

PROFESSIONAL SEAL:
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 FL. REG. No. 31924

PROJECT NUMBER: 09213010.46

PROJECT NAME & ADDRESS:
CURTIS PARK
 CORRECTIVE ACTION PLAN
 1901 NW 24TH AVENUE
 MIAMI, FLORIDA

CLIENT NAME & ADDRESS:

CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 444 SW 2ND AVENUE
 MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE

SCALE: AS NOTED

FILE NAME: C-5 ENGINEERING CONTROL.DWG

DRAWN BY: LCU

CHECKED BY: BJC

DATE: JULY 26, 2016

DRAWING TITLE:
**ENGINEERING CONTROL
 PLAN - FINAL SURFACES**

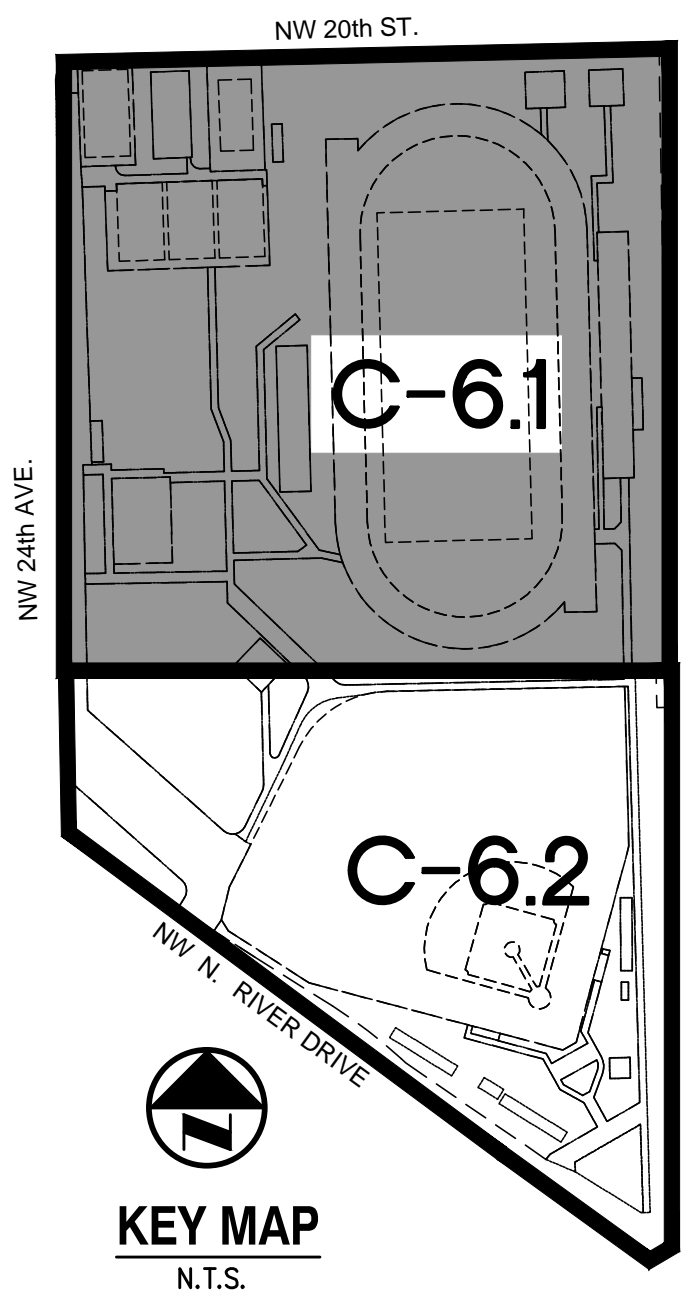
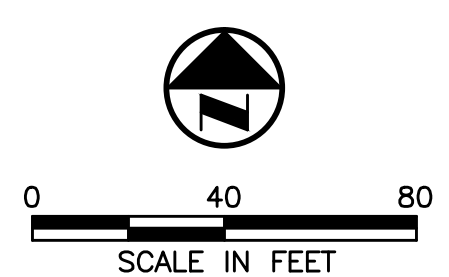
DRAWING NUMBER:
C-5.4

SHEET 13 of 35

BID SET
 DATE: JULY 2016
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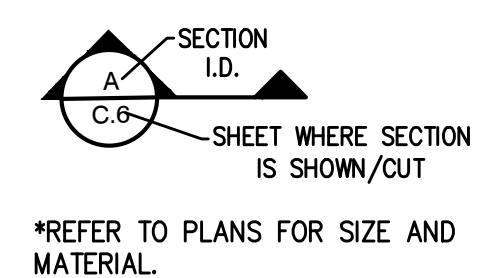
F:\PROJECTS\city of miami\09213010.46 curtis park\permit drawings\miami transmit\curtis park permit set - standard\permit drawings\C-6 PGD PLAN.dwg Jul 29, 2016 4:57pm Layout Name: C-6.1 By: 3950lca

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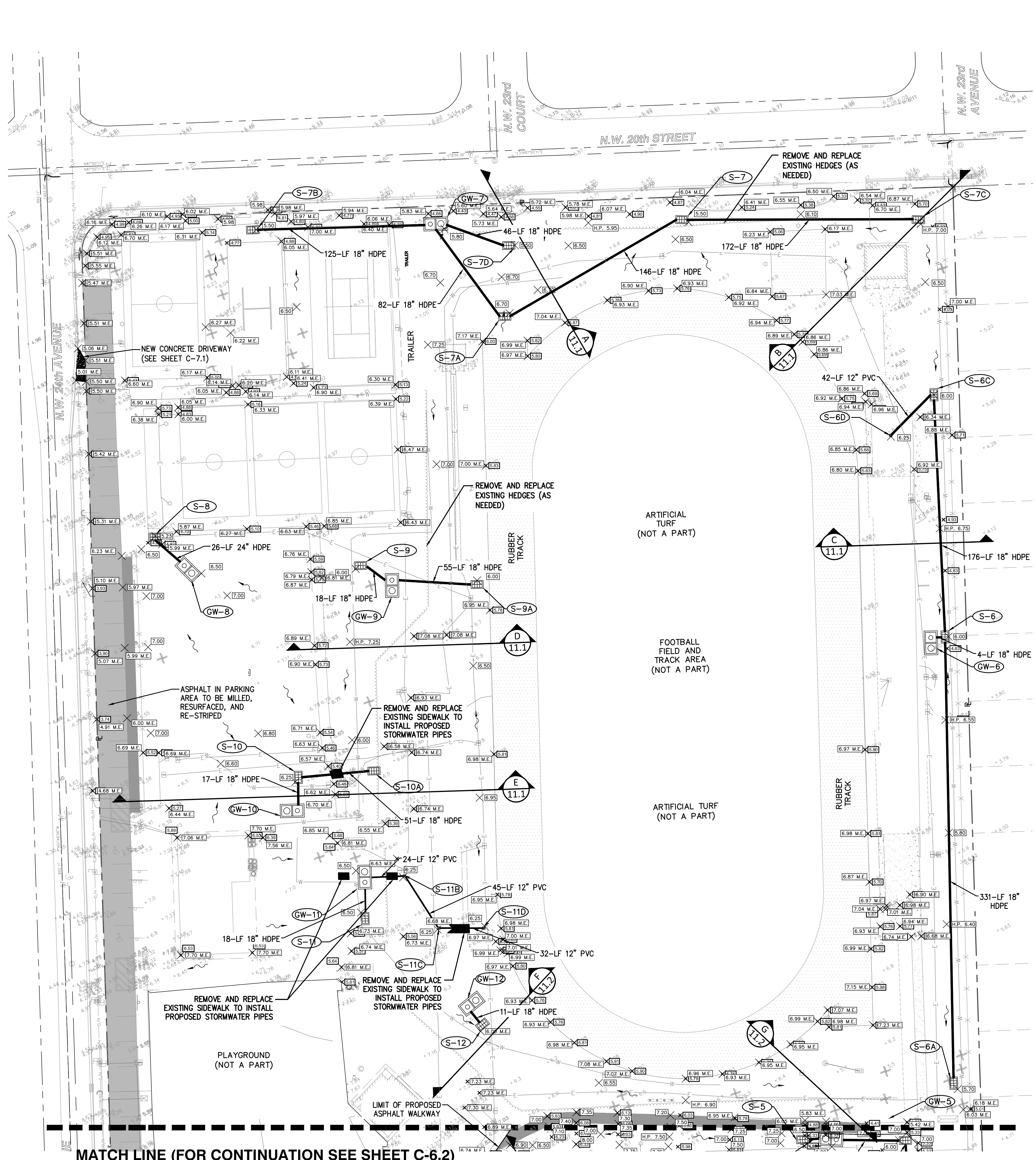
LEGEND

- P — PROPERTY LINE
- C — CENTER LINE OF ROADWAY MONUMENT LINE
- O — EXIST. OVERHEAD LINE
- F — EXIST. CHAIN LINK FENCE
- B — EXIST. CATCH BASIN
- B — EXIST. BENCH
- S — EXIST. SIGN
- P — EXIST. POST
- G — EXIST. GUY WIRE
- W — EXIST. WOOD POWER POLE
- P — EXIST. POWER POLE
- L — EXIST. LIGHT POLE
- S — EXIST. SANITARY MANHOLE
- D — EXIST. DRAINAGE MANHOLE
- E — EXIST. ELECTRIC BOX
- W — EXIST. WIRE PULL BOX
- M — EXIST. ELECTRIC MANHOLE
- T — EXIST. TREE
- P — EXIST. PALM TREE
- S — EXIST. CONCRETE SIDEWALK
- I — PROPOSED INLET (SEE DETAILS ON DRAWING NUMBER C-10.1)
- C — PROP. CATCH BASIN (SEE DETAILS ON DRAWING NUMBER 10.3)
- P — PROP. STORMWATER PIPE* (SEE DETAILS ON DRAWING NUMBER 8.0)
- G — PROPOSED GRAVITY WELL BOX (SEE DETAILS ON DRAWING NO. C-10.2)
- E — MATCH EXISTING ELEVATION, FT NGVD
- X — PROPOSED ELEVATION, FT NGVD
- H.P. — HIGH POINT, FT NGVD
- S — PROPOSED DRAINAGE STRUCTURE DESIGNATION
- F — STORMWATER FLOW



NOTES

1. EXISTING TOPOGRAPHY BASED ON SURVEY DATED MAY 19, 2015 PREPARED BY: BISCAYNE ENGINEERING COMPANY, INC. 592 WEST FLAGLER STREET MIAMI, FLORIDA 33130.
2. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
3. ALL PROPOSED SWALES SHALL BE GRADED TOWARDS THE EXISTING OR PROPOSED DRAINAGE INLETS.
4. CONTRACTOR IS TO PROTECT ALL EXISTING TREES, SIGNS, UNDERGROUND AND ABOVE GROUND UTILITIES LOCATED IN THE SITE AREA. CONTRACTOR IS TO NOTIFY CITY OF MIAMI AND ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
5. ALL PROPOSED CATCH BASIN RIM ELEVATIONS SHALL BE SET TO A MINIMUM OF FOUR (4) INCHES LOWER THAN THE LOWEST EDGE OF PAVEMENT, SIDEWALK, OR DRIVEWAY (WHICHEVER IS LOWER) LOCATED ADJACENT TO INLET.
6. ALL DISTURBED SWALE AREAS SHALL BE RESTORED TO EXISTING CONDITIONS OR BETTER.
7. ALL INLETS ARE TO RECEIVE 3,000 PSI CONCRETE APRONS REINFORCED WITH FIBER MESH. NEW APRONS ARE TO EXTEND TO THE EDGE OF PAVEMENT.
8. PAVEMENT AND DRIVEWAY RESTORATION ARE TO MATCH EXISTING GRADE UNLESS OTHERWISE NOTED.
9. ANY EXISTING UTILITIES DAMAGED BY THE ON-GOING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR TO EXISTING CONDITION OR BETTER AT THE EXPENSE OF THE CONTRACTOR.
10. CONTRACTOR TO PROVIDE DETAILED AS-BUILTS SURVEYS THAT CLEARLY DEFINE AREAS OF WORK COMPLETED UNDER THIS CONTRACT INCLUDING BUT NOT LIMITED TO ALL RIM ELEVATIONS (EXISTING AND PROPOSED STRUCTURES), ALL INVERTS, BOTTOM OF STRUCTURE, SUFFICIENT SWALE ELEVATIONS TO DEMONSTRATE THAT SWALES DRAIN TO INLETS, LOCATION OF EXFILTRATION TRENCH, LOCATION OF DRIVEWAY RESTORATION, AND RESTORED ASPHALT PAVEMENT.
11. SUPPORT AND PROTECT ANY UTILITIES (INCLUDING BUT NOT LIMITED TO WATER LINE, ELECTRICAL CONDUIT, LIGHTPOLES, VAULTS) WHERE PROPOSED DRAINAGE STRUCTURES AND/OR PIPES CROSS OR CONFLICT WITH THE EXISTING UTILITY. CONTRACTOR TO FIELD-VERIFY CONFLICTS.



MATCH LINE (FOR CONTINUATION SEE SHEET C-6.2)

BID SET
 DATE: JULY 2016

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 MIAMI, FLORIDA

CLIENT NAME & ADDRESS:

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 CAPITAL IMPROVEMENTS PROGRAM
 444 SW 2ND AVENUE
 MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE

SCALE: AS NOTED

FILE NAME: C-6 PGD PLAN.DWG

DRAWN BY: LCU

CHECKED BY: BJC

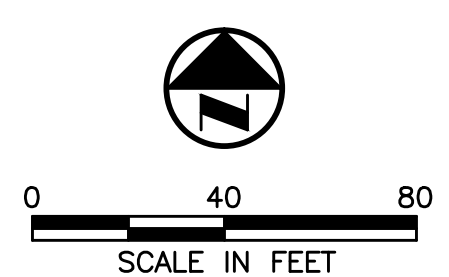
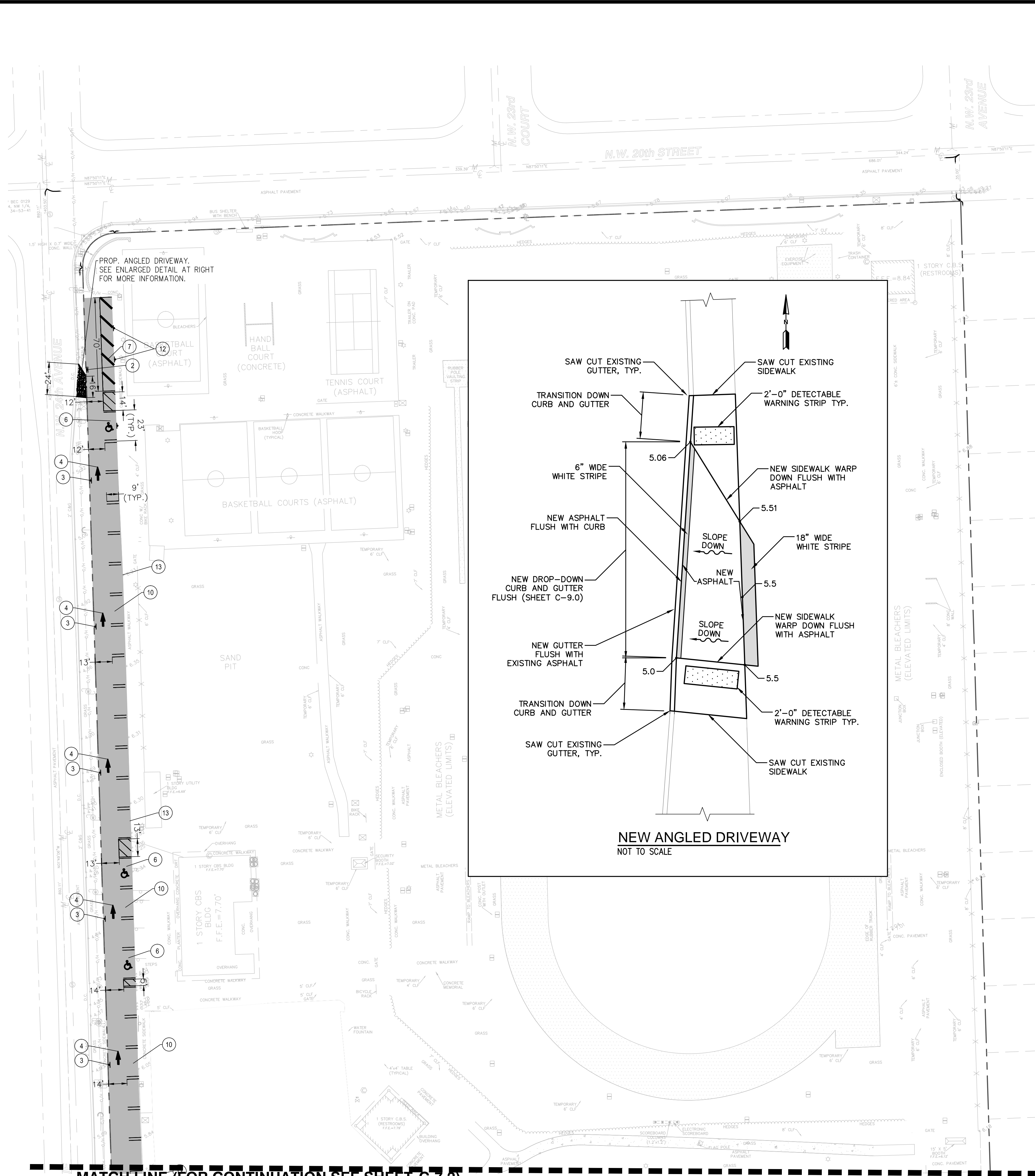
DATE: JULY 26, 2016

DRAWING TITLE:

PAVING, GRADING AND DRAINAGE PLAN

DRAWING NUMBER:

F:\PROJECTS\city of miami\09213010.46 curtis park\permit drawings\miami transmit\curtis park permit set - standard\permit drawings\C-7 SPM PLAN.DWG Jul 29, 2016 - 4:58pm Layout Name: C-7.1 By: 3950lca



LEGEND

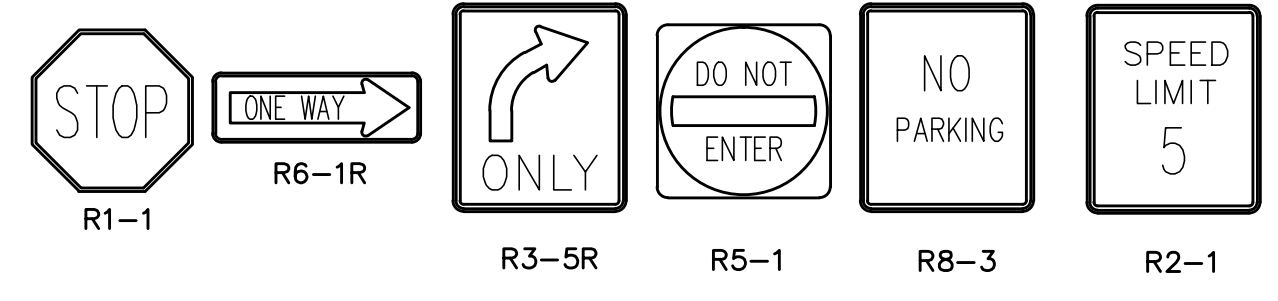
- PROPERTY LINE
- CENTER LINE OF ROADWAY MONUMENT LINE
- EXIST. OVERHEAD LINE
- EXIST. CHAIN LINK FENCE
- EXIST. CATCH BASIN
- EXIST. BENCH
- EXIST. SIGN
- EXIST. POST
- EXIST. GUY WIRE
- EXIST. WOOD POWER POLE
- EXIST. POWER POLE
- EXIST. LIGHT POLE
- EXIST. SANITARY MANHOLE
- EXIST. DRAINAGE MANHOLE
- EXIST. ELECTRIC BOX
- EXIST. WIRE PULL BOX
- EXIST. ELECTRIC MANHOLE

NOTES

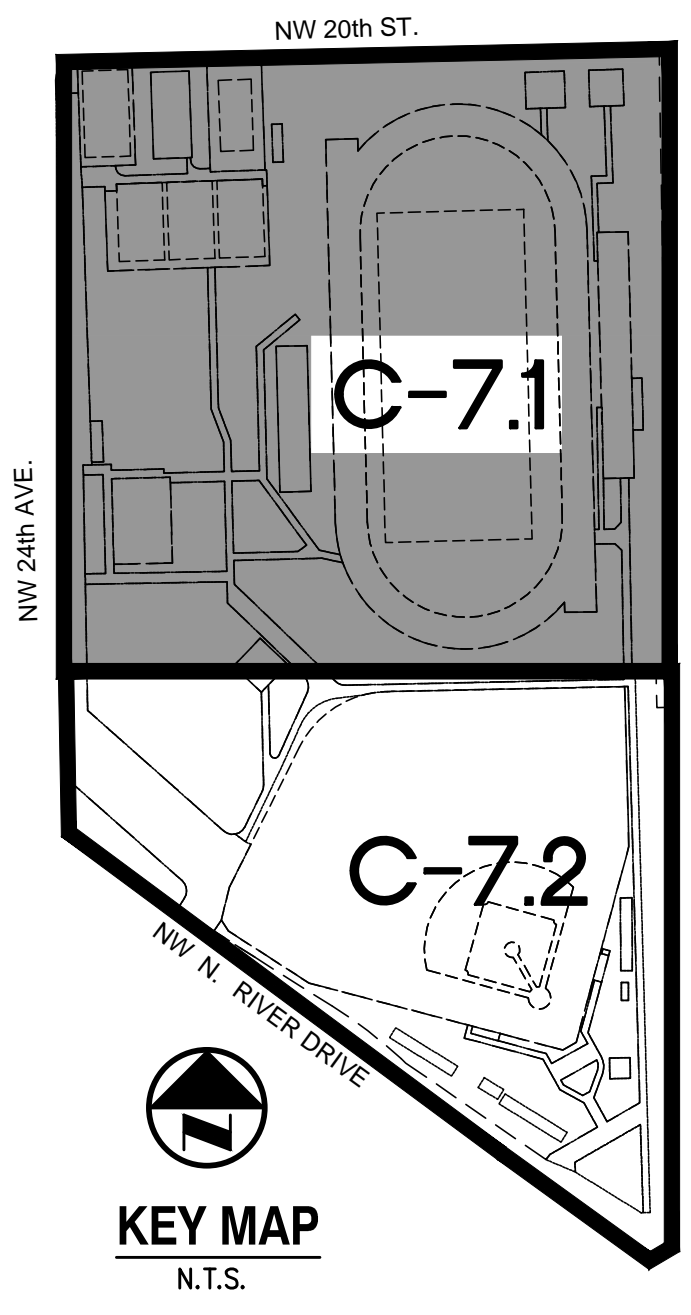
1. EXISTING CONDITIONS PRESENTED ARE BASED ON THE BEST AVAILABLE INFORMATION OBTAINED FROM THE EXISTING UTILITY OWNER AND THE TOPOGRAPHIC SURVEY DATED MAY 19, 2015 AND PREPARED BY BISCAYNE ENGINEERING COMPANY, INC. 592 WEST FLAGLER STREET, MIAMI, FLORIDA 33130.
2. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
3. CONTRACTOR IS TO PROTECT ALL EXISTING TREES, SIGNS, AND ABOVE GROUND UTILITIES LOCATED IN THE SITE AREA. CONTRACTOR IS TO COORDINATE WITH CITY OF MIAMI AND ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

PROPOSED CALL OUT LEGEND

- 1 PROP. R1-1 (FACING NORTH) PER MUTCD
- 2 PROP. R1-1 (FACING EAST), R3-5R (FACING EAST) AND R5-1 (FACING WEST) PER MUTCD
- 3 PROP. R6-1R (FACING NORTH) PER MUTCD
- 4 PROP. REFLECTIVE THERMOPLASTIC THROUGH LANE USE DIRECTIONAL ARROW PER FDOT INDEX 17346
- 5 PROP. REFLECTIVE THERMOPLASTIC 24-INCH SOLID WHITE LINE (STOP BAR) PER FDOT INDEX 17346
- 6 PROP. REFLECTIVE THERMOPLASTIC ADA PARKING SIGN AND MARKINGS PER MIAMI ENGINEERING STANDARDS, 35-85-33
- 7 PROP. REFLECTIVE THERMOPLASTIC 18" SOLID WHITE, 45 DEGREE -10' C/C SPACING PER FDOT INDEX 17346
- 8 PROP. REFLECTIVE THERMOPLASTIC 18" SOLID WHITE, 45 DEGREE -5' C/C SPACING PER FDOT INDEX 17346
- 9 PROP. WHEEL STOP PER CITY OF MIAMI ENGINEERING STANDARDS, 35-85-41
- 10 PROP. PARKING PER CITY OF MIAMI ENGINEERING STANDARDS, 35-85-33
- 11 PROP. COMPACT PARKING PER EXISTING CONDITION SPACE DIMENSIONS
- 12 PROP. R8-3 (FACING WEST) AS PER MUTCD
- 13 PROP. R2-1 (FACING SOUTH) AS PER MUTCD



PARKING	
SPACES PROVIDED	
TOTAL ACCESSIBLE PARKING	5
TOTAL PARKING	64



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 CERTIFICATE OF AUTHORIZATION NO. 00004892

PROFESSIONAL SEAL:

BRUCE J. CLARK, P.E.
 FL. REG. NO. 31924

PROJECT NUMBER: 09213010.46

PROJECT NAME & ADDRESS:

CURTIS PARK
 CORRECTIVE ACTION PLAN
 1901 NW 24TH AVENUE
 MIAMI, FLORIDA

CLIENT NAME & ADDRESS:



CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 444 SW 2ND AVENUE
 MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE

SCALE: AS NOTED

FILE NAME: C-7 SPM PLAN.DWG

DRAWN BY: LCU

CHECKED BY: BJC

DATE: JULY 26, 2016

DRAWING TITLE:

STRIPING AND SIGNAGE PLAN

DRAWING NUMBER:

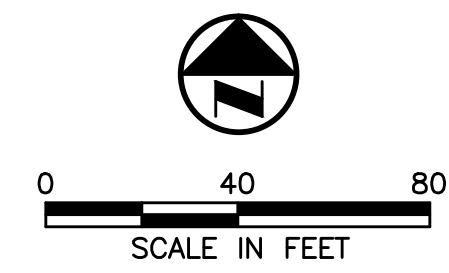
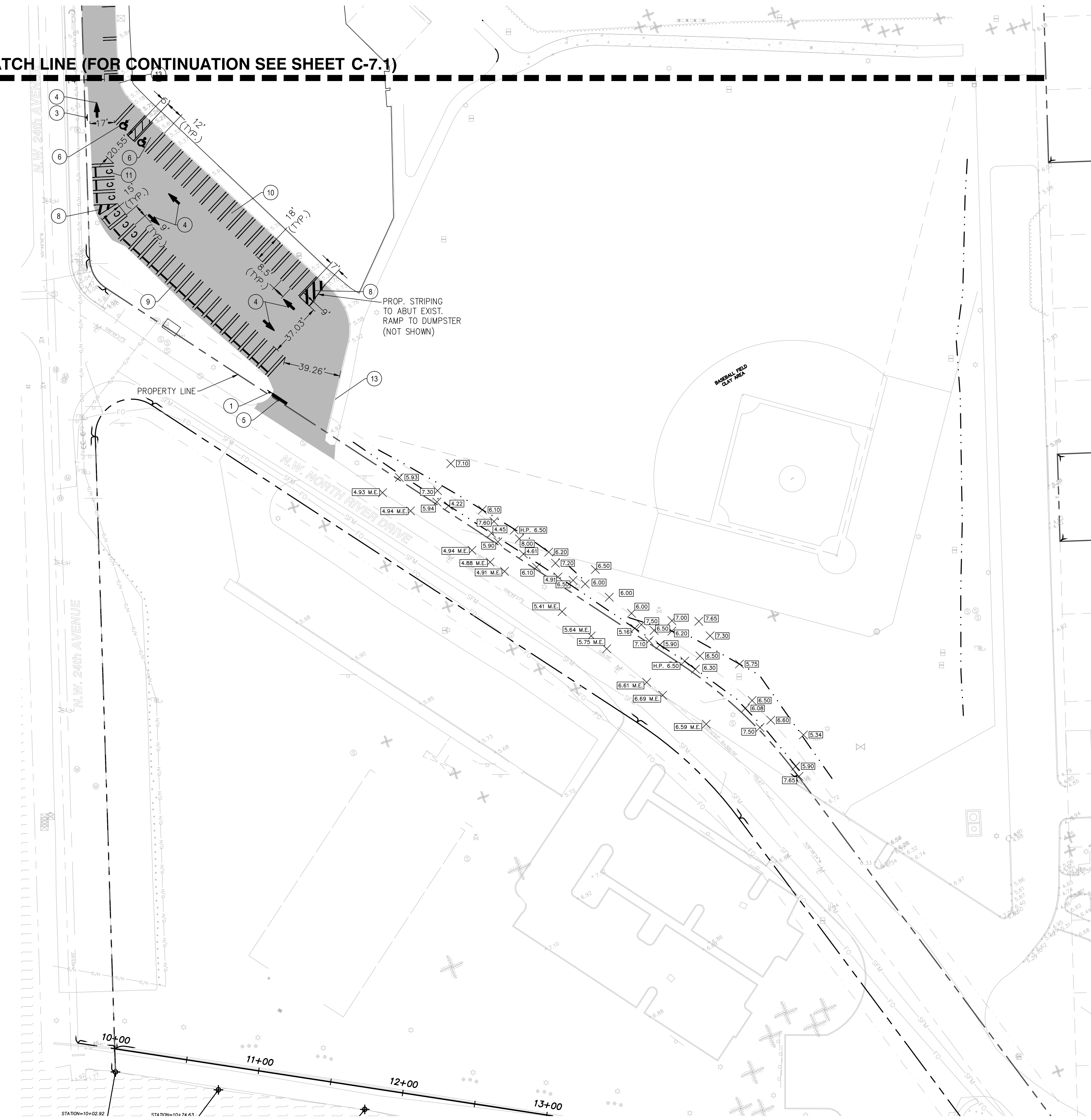
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BID SET
 DATE: JULY 2016



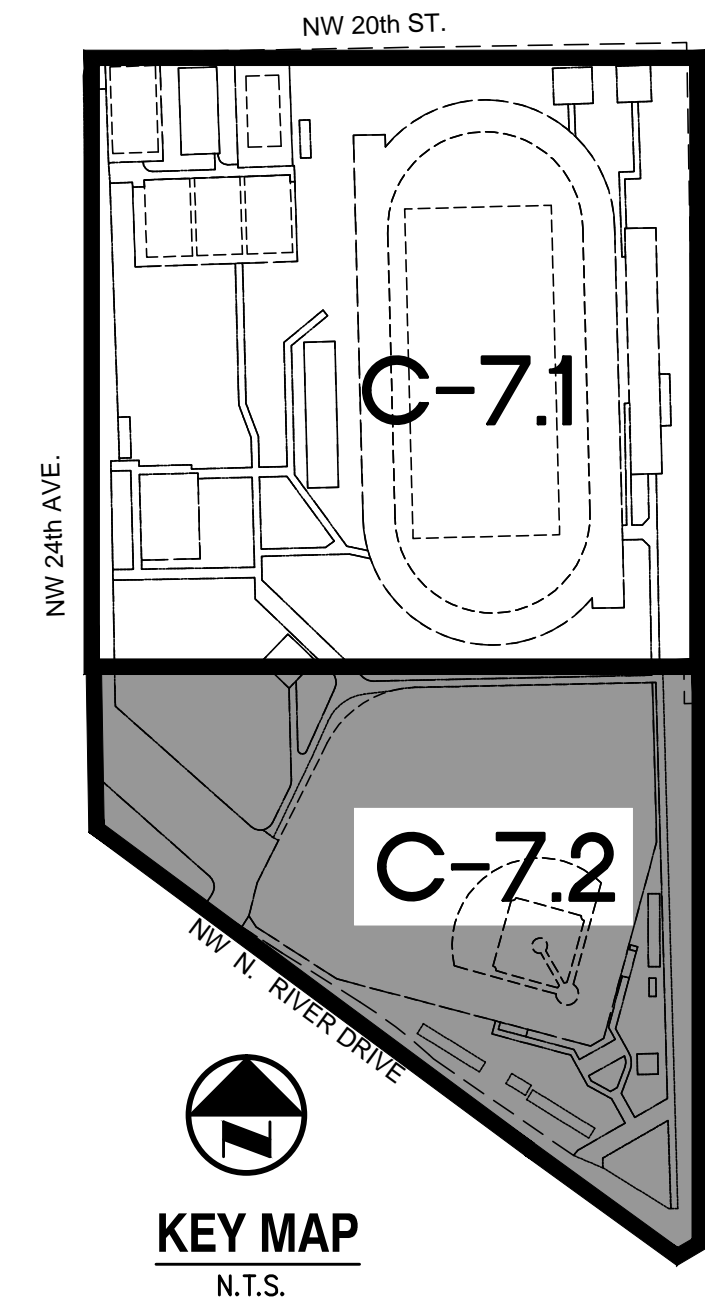
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MATCH LINE (FOR CONTINUATION SEE SHEET C-7.1)



LEGEND

- P — PROPERTY LINE
- C — CENTER LINE OF ROADWAY MONUMENT LINE
- O — EXIST. OVERHEAD LINE
- C — EXIST. CHAIN LINK FENCE
- B — EXIST. CATCH BASIN
- B — EXIST. BENCH
- S — EXIST. SIGN
- P — EXIST. POST
- G — EXIST. GUY WIRE
- W — EXIST. WOOD POWER POLE
- P — EXIST. POWER POLE
- L — EXIST. LIGHT POLE
- S — EXIST. SANITARY MANHOLE
- D — EXIST. DRAINAGE MANHOLE
- E — EXIST. ELECTRIC BOX
- W — EXIST. WIRE PULL BOX
- M — EXIST. ELECTRIC MANHOLE

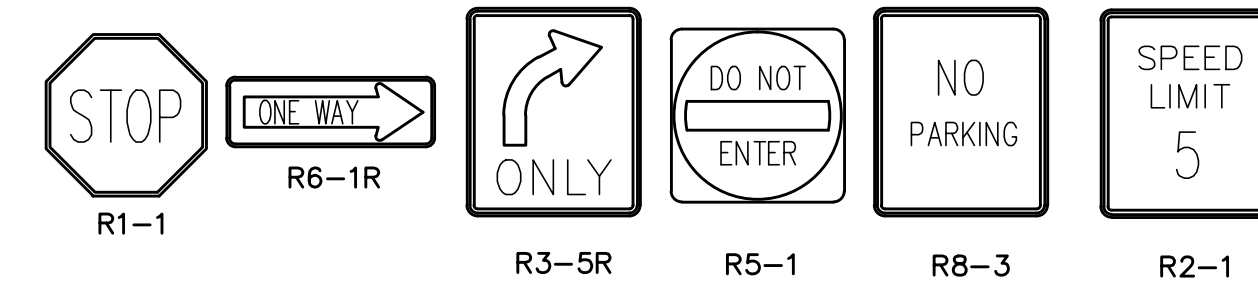


NOTES

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PARKING	
	SPACES PROVIDED
TOTAL ACCESSIBLE PARKING	5
TOTAL PARKING	64

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 CORRECTIVE ACTION PLAN
 1901 NW 24TH AVENUE
 MIAMI, FLORIDA

CLIENT NAME & ADDRESS:



CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 444 SW 2ND AVENUE
 MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE

SCALE: AS NOTED

FILE NAME: C-7 SPM PLAN.DWG

DRAWN BY: LCU

CHECKED BY: BJC

DATE: JULY 26, 2016

DRAWING TITLE:

STRIPING AND SIGNAGE PLAN

DRAWING NUMBER:

C-7.2

SHEET 17 of 35

BID SET
 DATE: JULY 2016



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 MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE

SCALE: AS NOTED

FILE NAME: C-8 TYPICAL DETAILS.DWG

DRAWN BY: LCU

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DATE: JULY 26, 2016

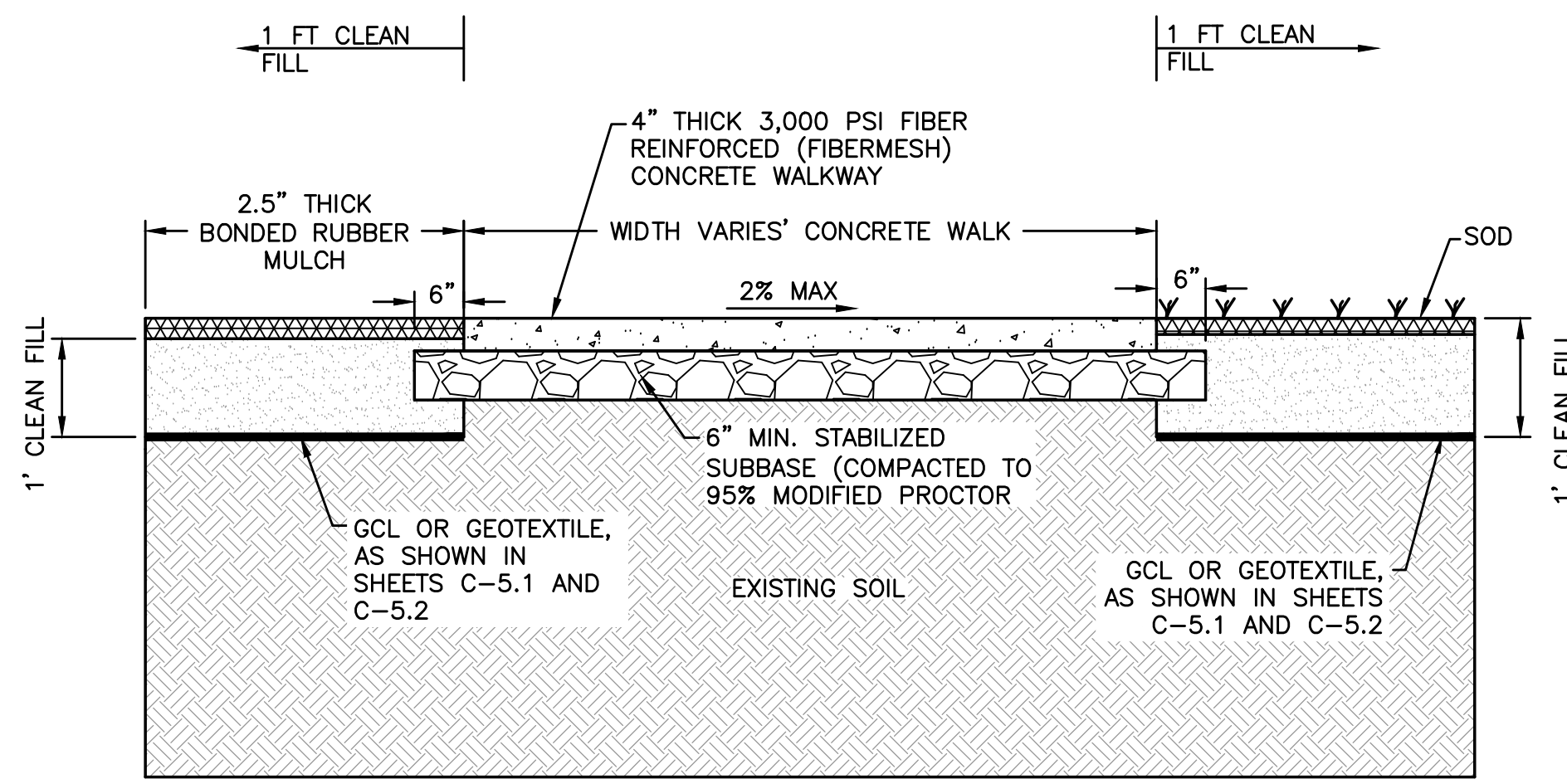
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TYPICAL DETAILS

DRAWING NUMBER:

C-8.0

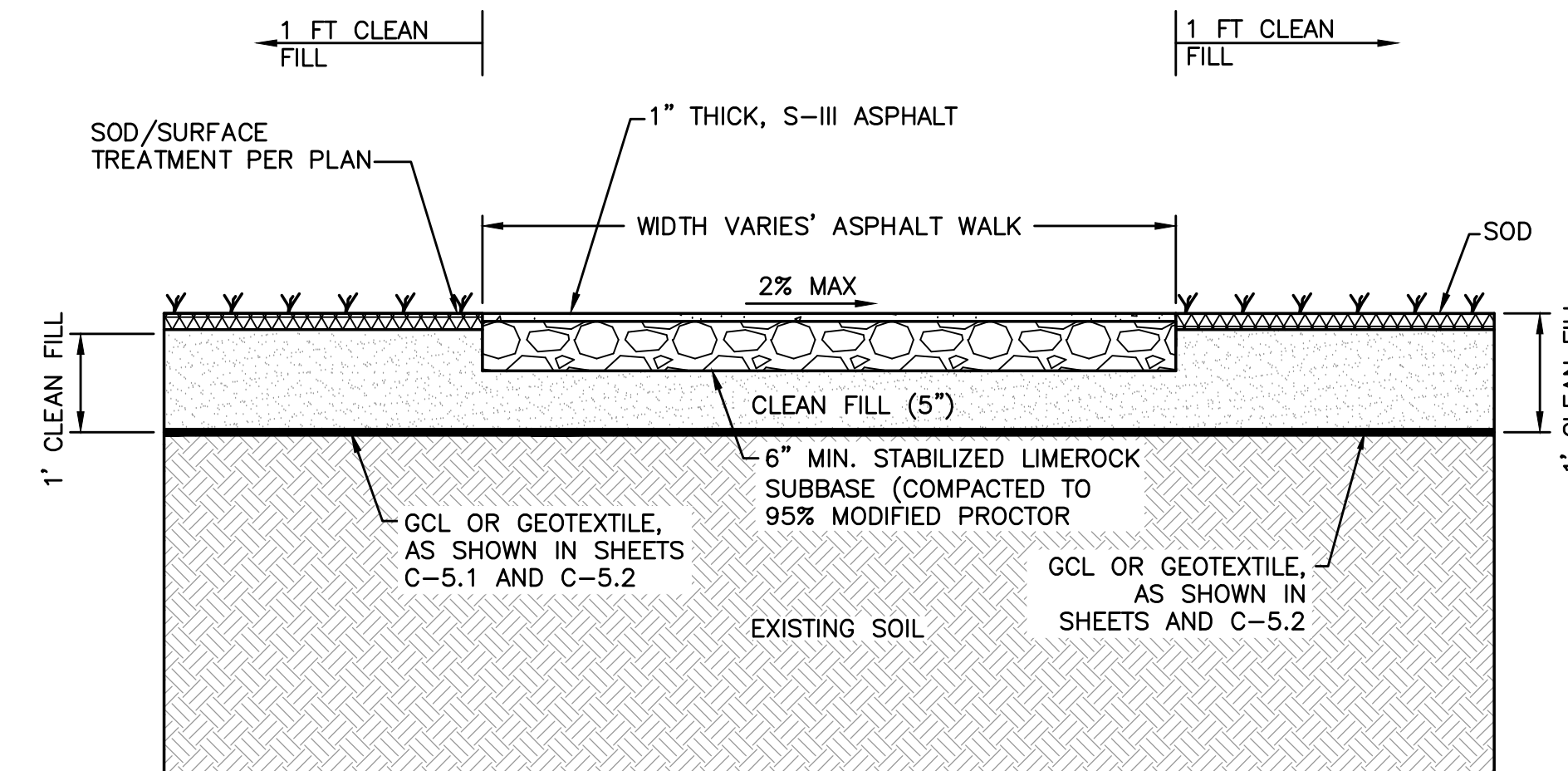
SHEET 18 of 35



NOTES:
 1. SIDEWALK MUST MEET ADA REQUIREMENTS. LONGITUDINAL SLOPE OF SIDEWALK NOT TO EXCEED 1:20

CONCRETE WALKWAY SECTION

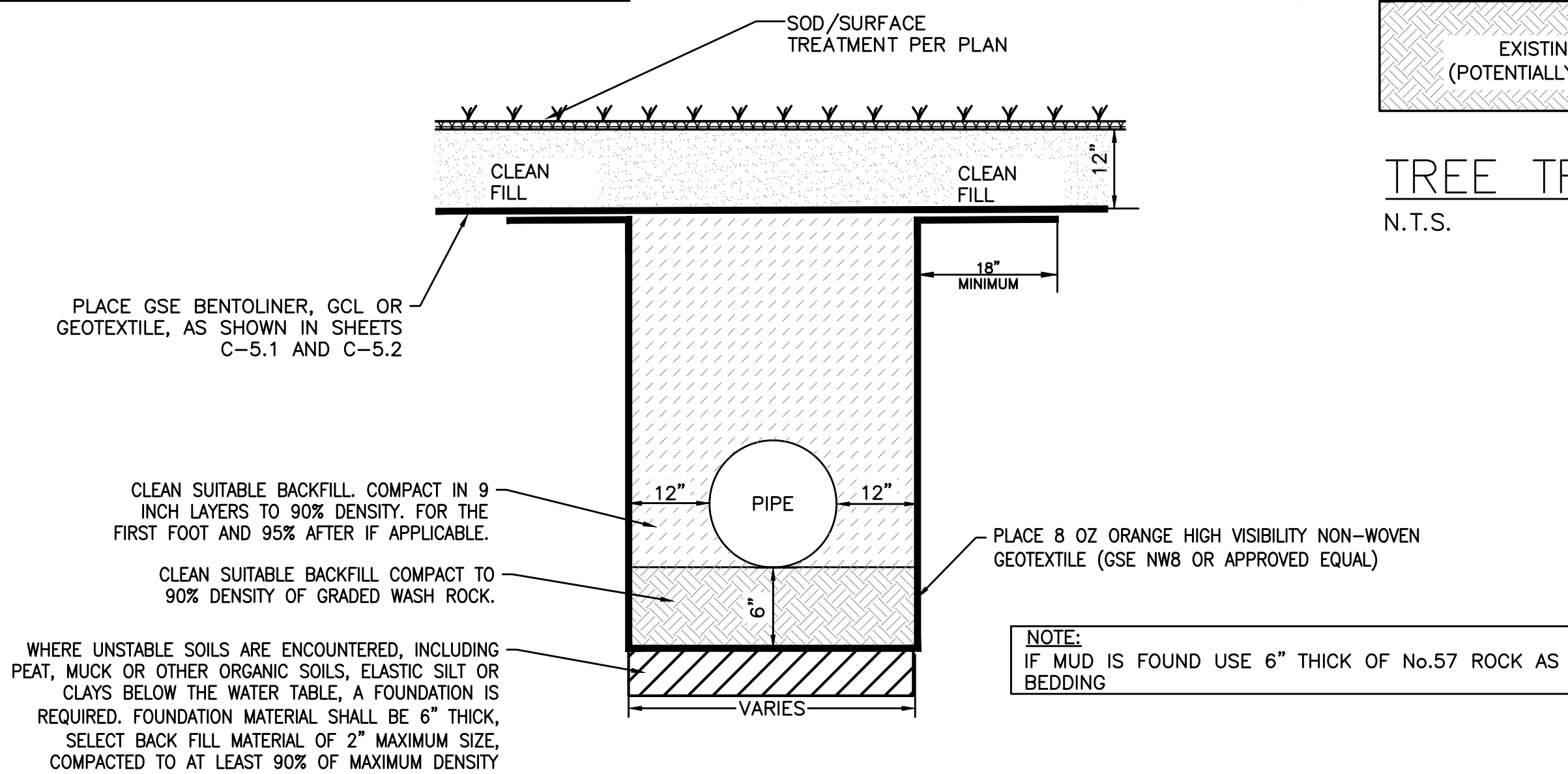
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NOTES:
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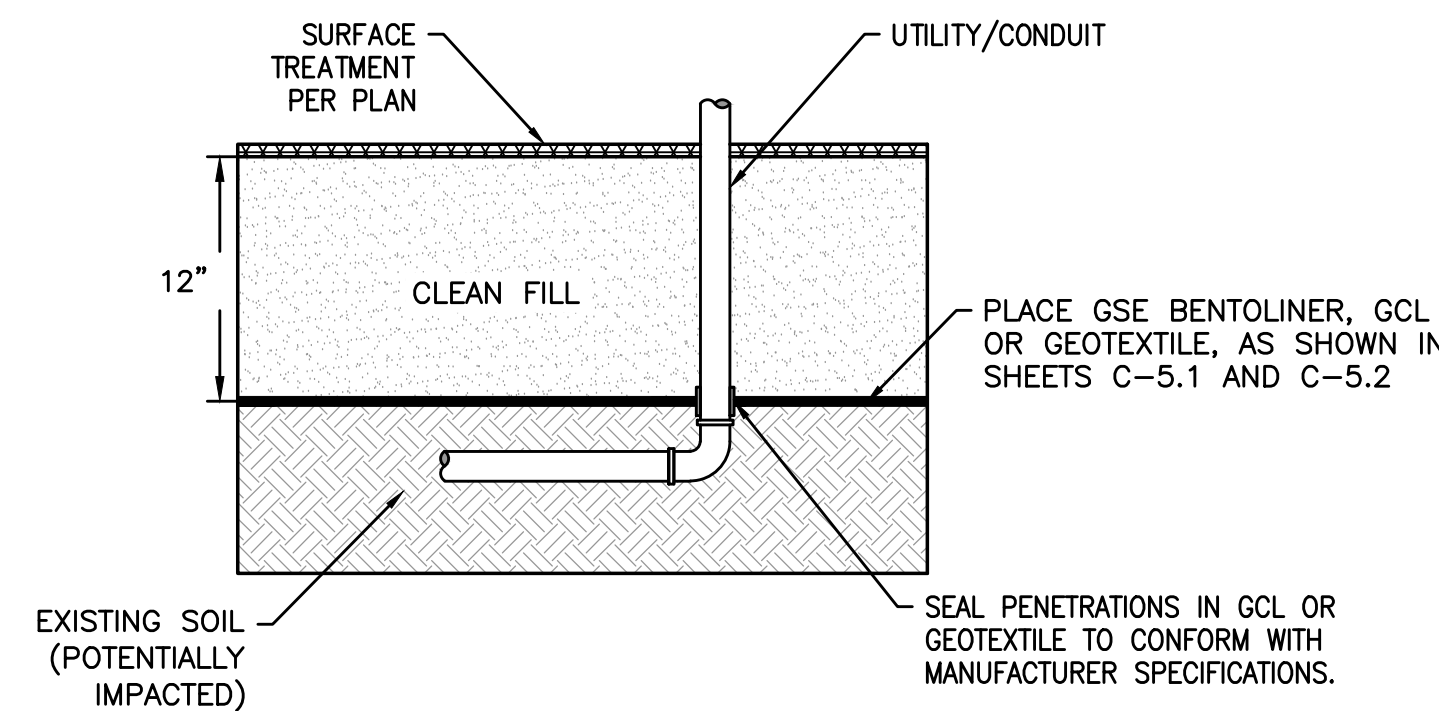
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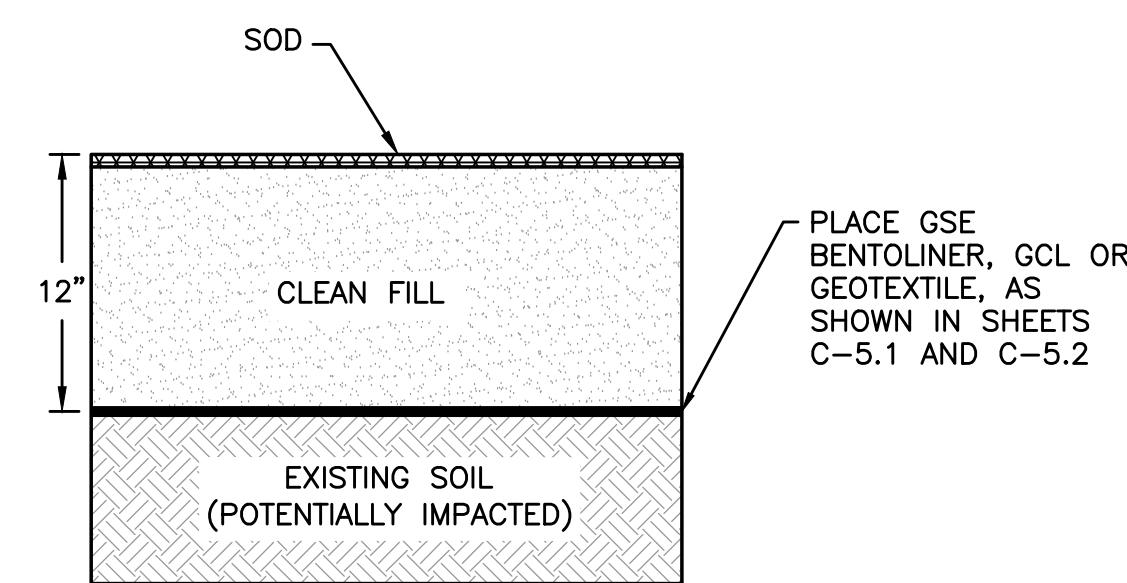
PIPE TRENCH

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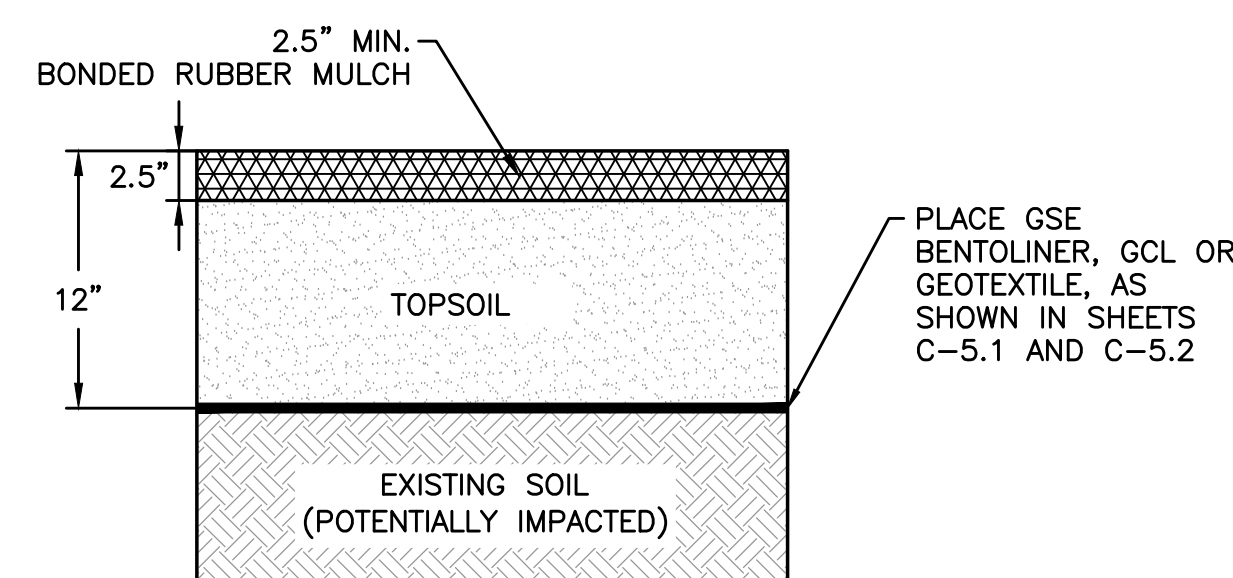
FOR UTILITIES W/ >12" COVER

N.T.S.



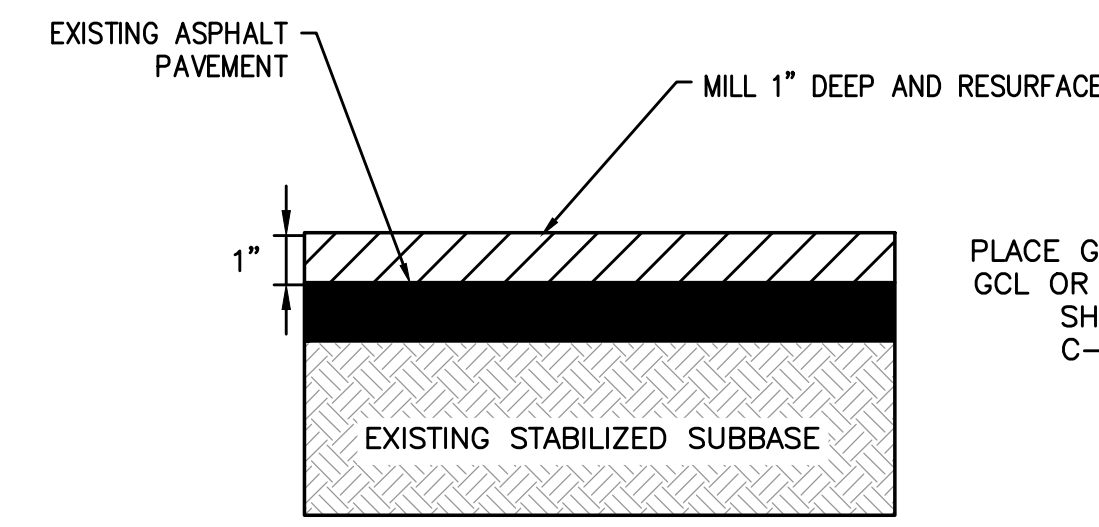
FINAL SURFACE W/ SOD (PARK AND BASEBALL FIELD)

N.T.S.



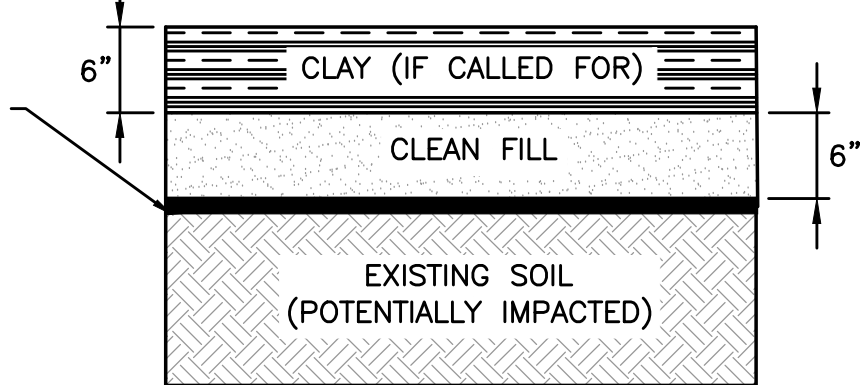
TREE TREATMENT DETAIL

N.T.S.



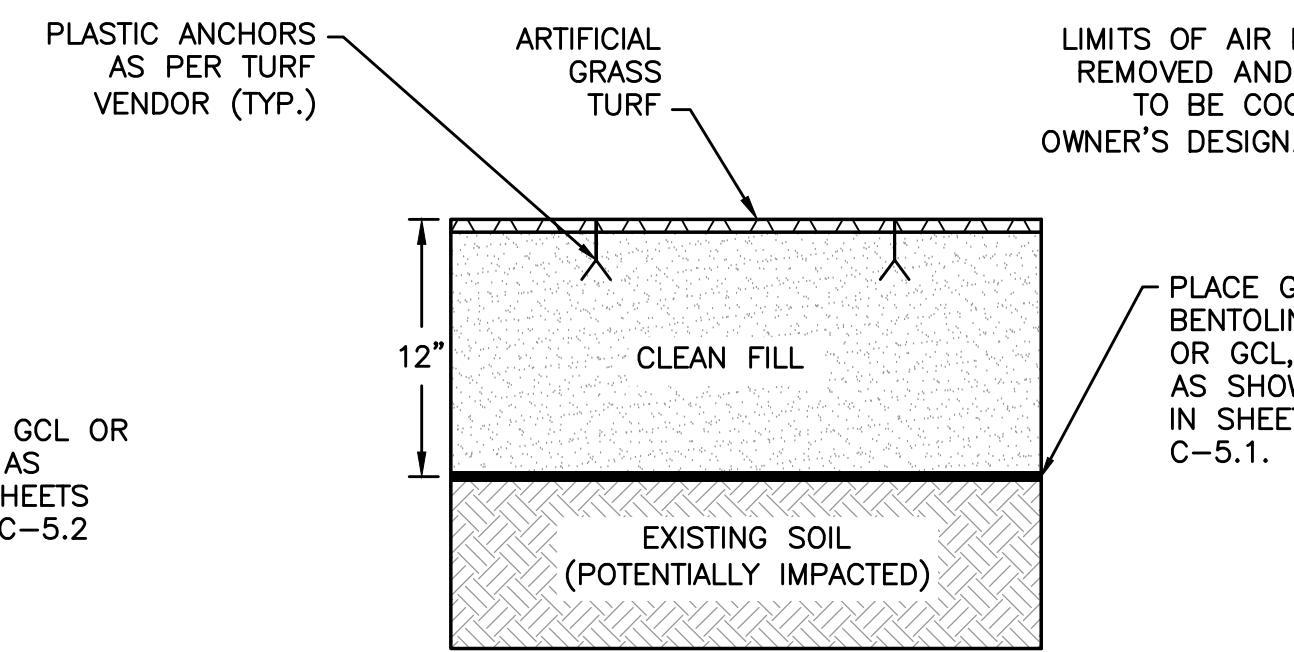
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N.T.S.



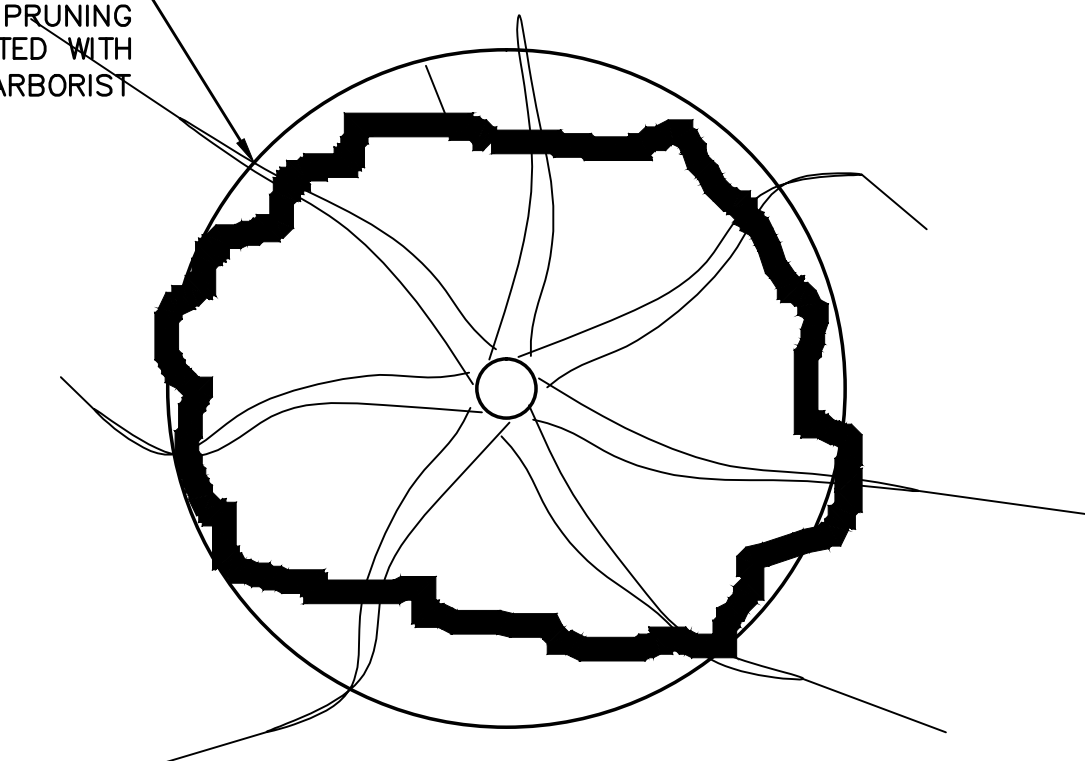
FINAL SURFACE (BASEBALL FIELD)

N.T.S.

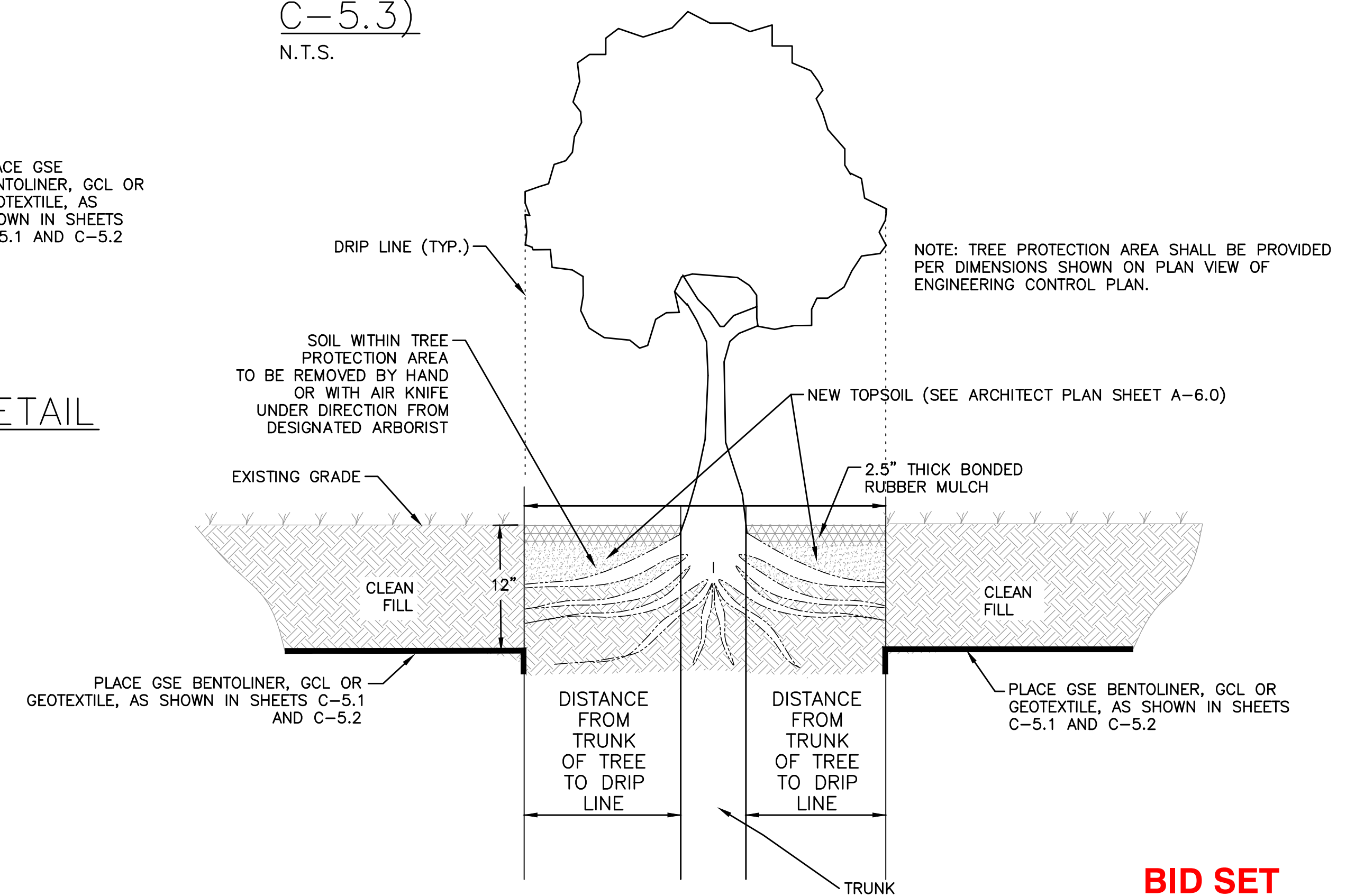


FINAL SURFACE NORTH OF THE PLAYGROUND (REFER TO DRAWING NUMBER C-5.3)

N.T.S.



TREE TREATMENT PLAN VIEW



TREE TREATMENT DETAIL

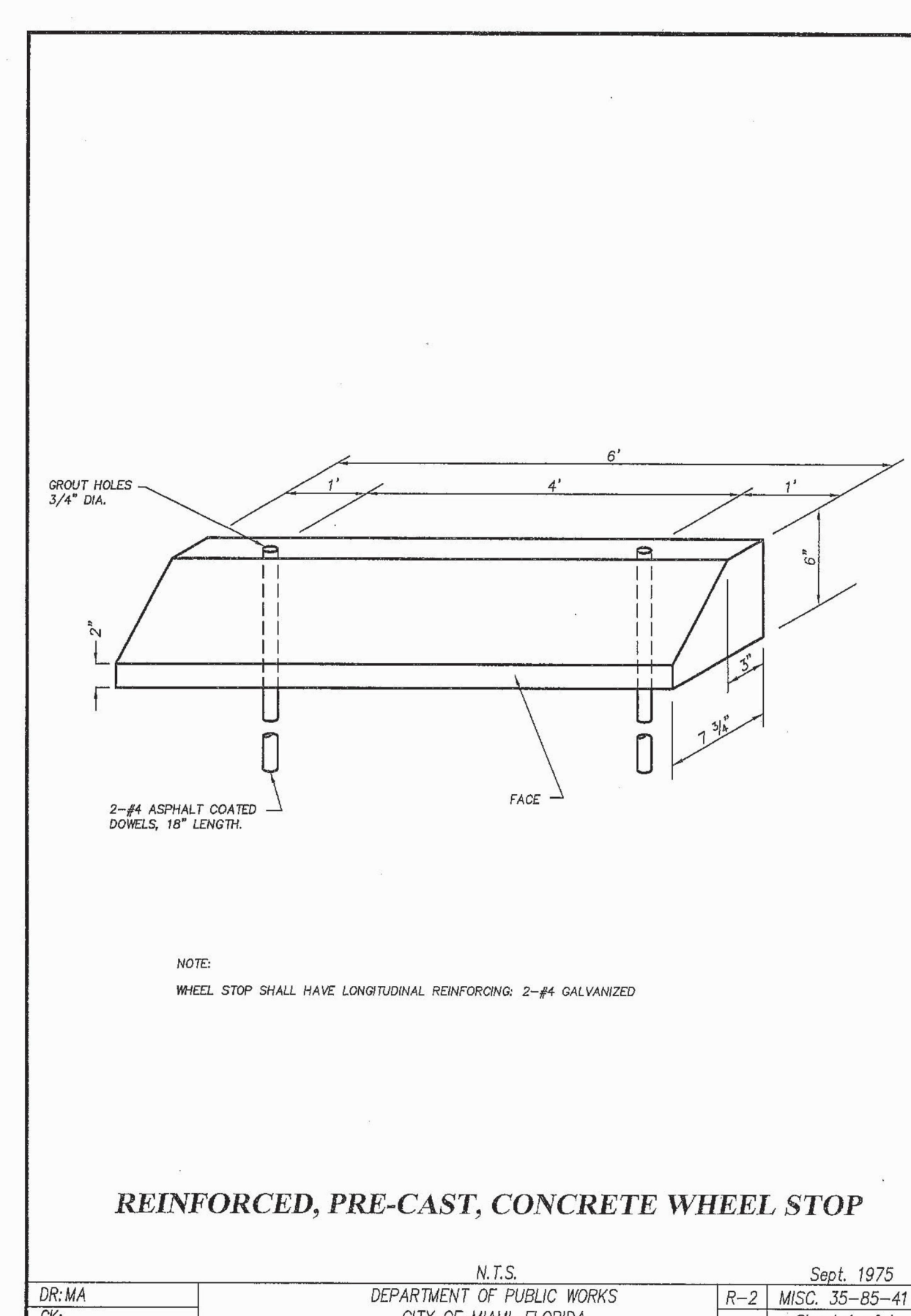
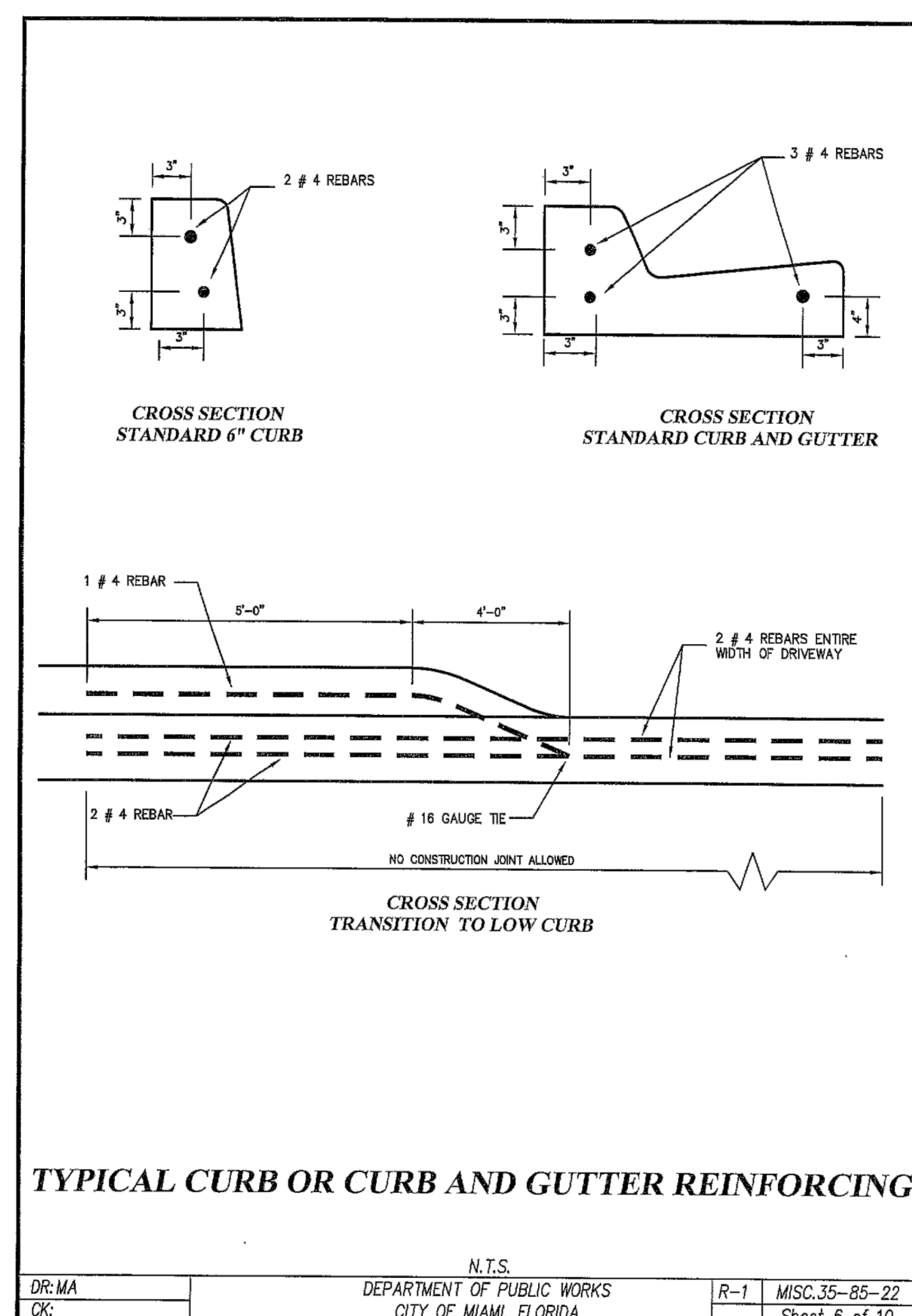
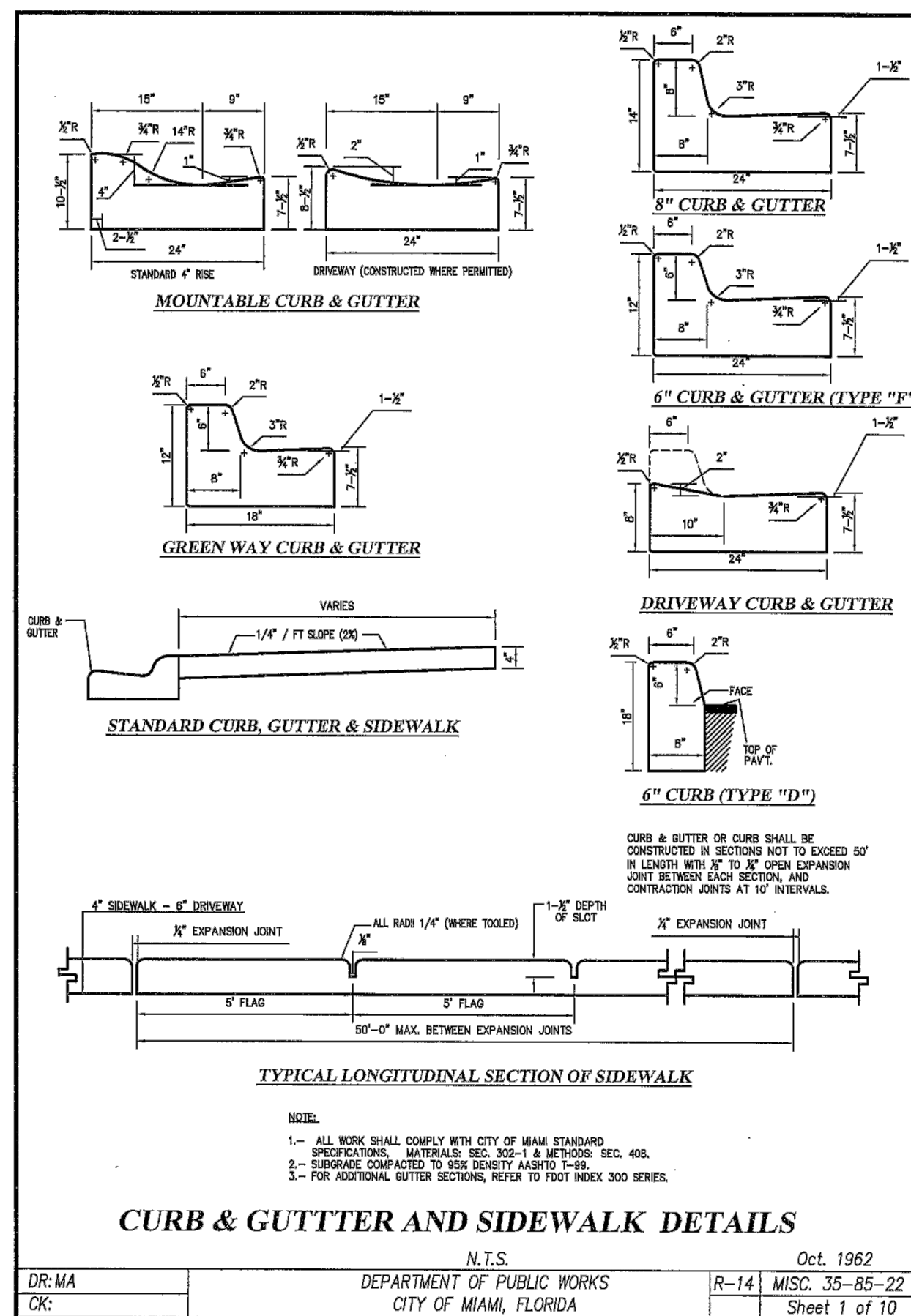
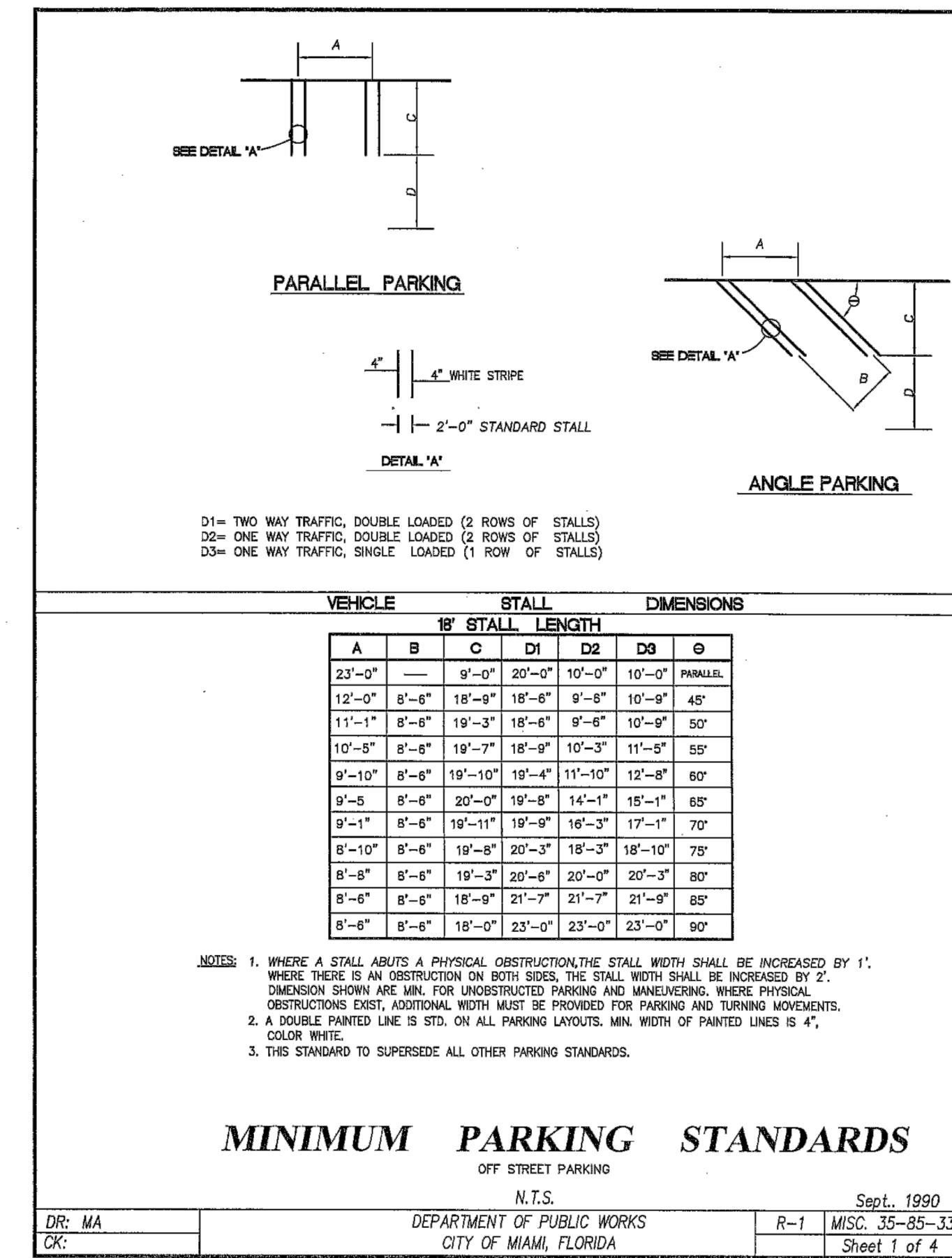
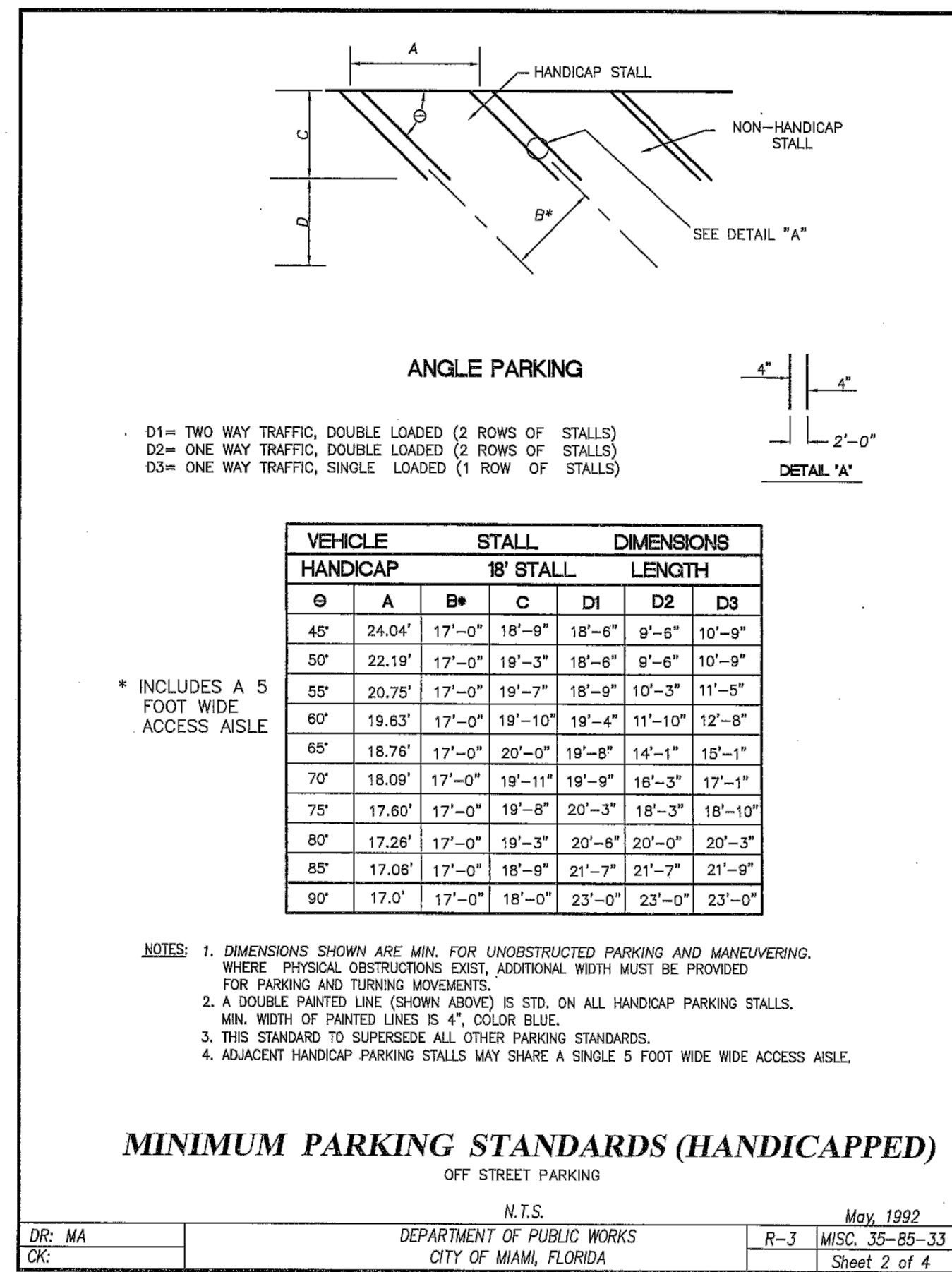
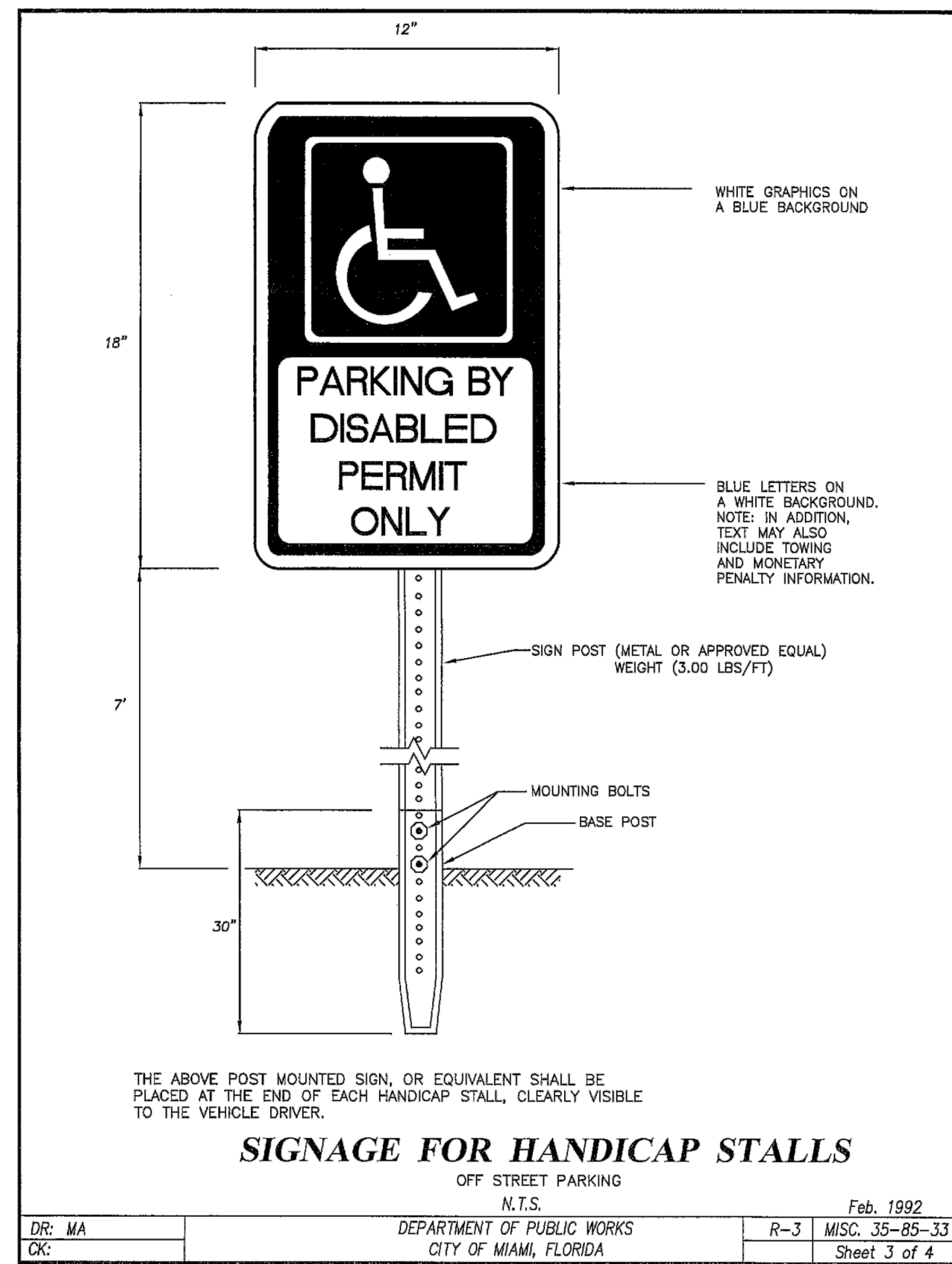
N.T.S.

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 DATE: JULY 2016



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BRUCE J. CLARK, P.E.
FL. REG. No. 31924

PROJECT NUMBER: 09213010.46

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CURTIS PARK
CORRECTIVE ACTION PLAN
1901 NW 24TH AVENUE
MIAMI, FLORIDA

CLIENT NAME & ADDRESS:

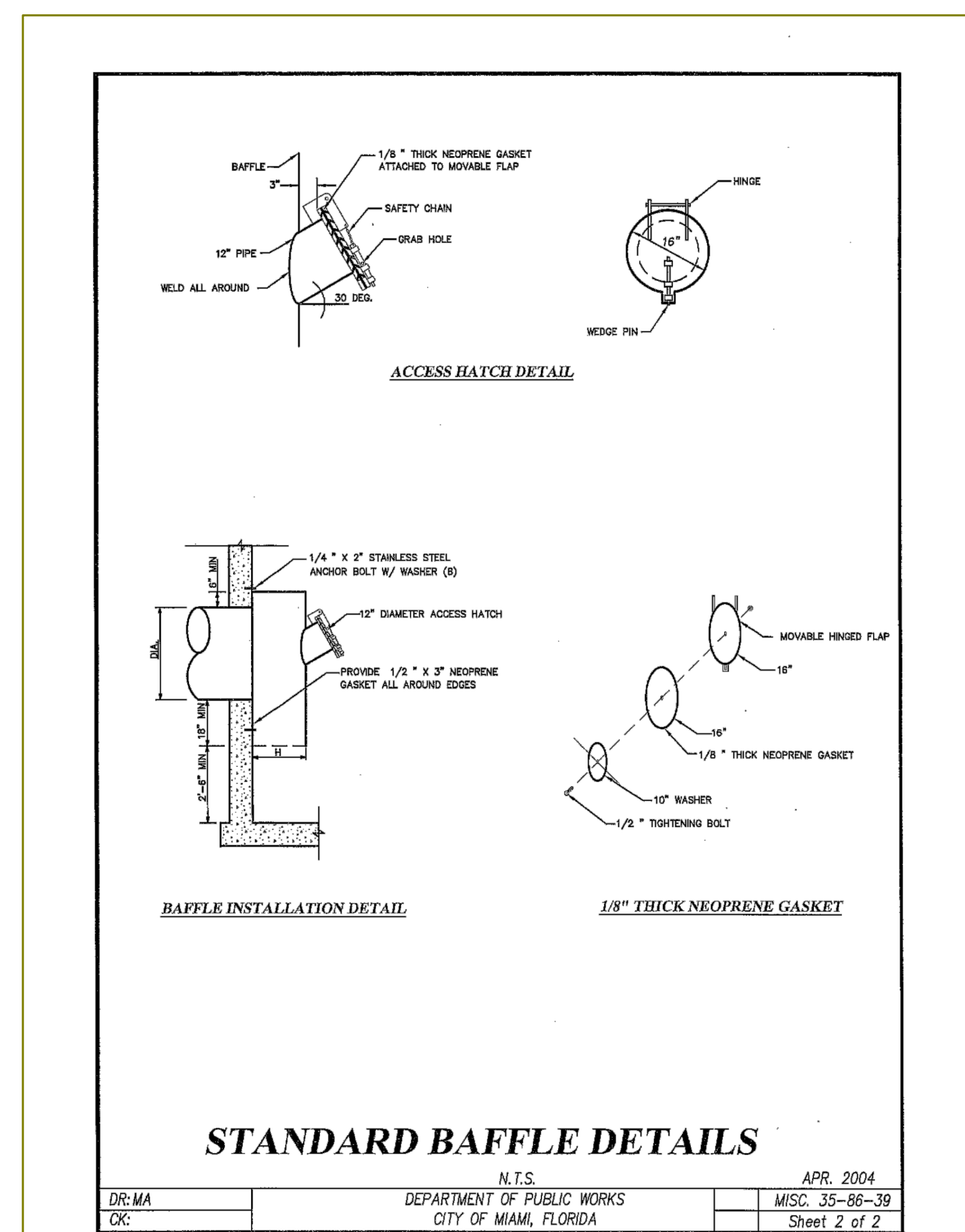
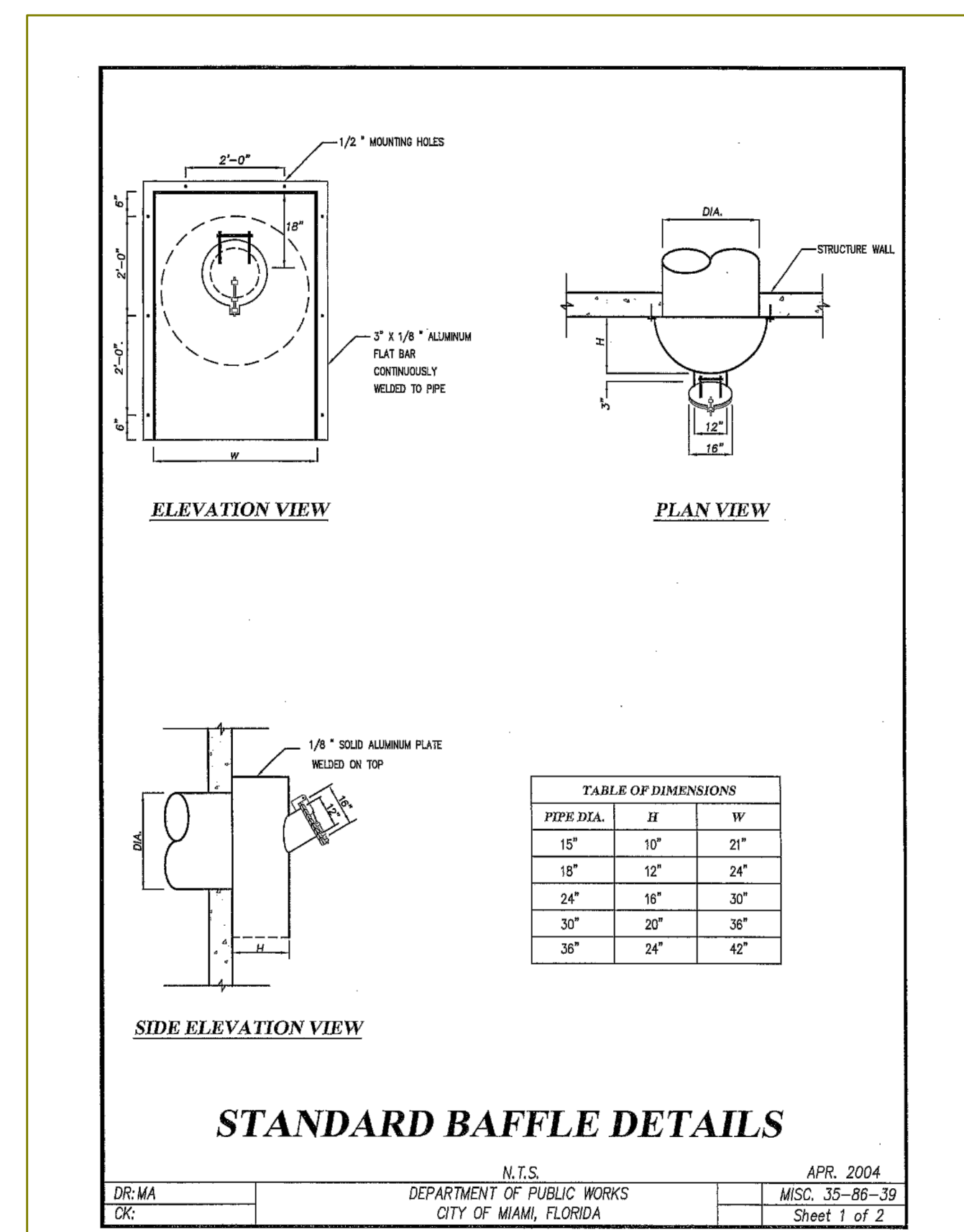
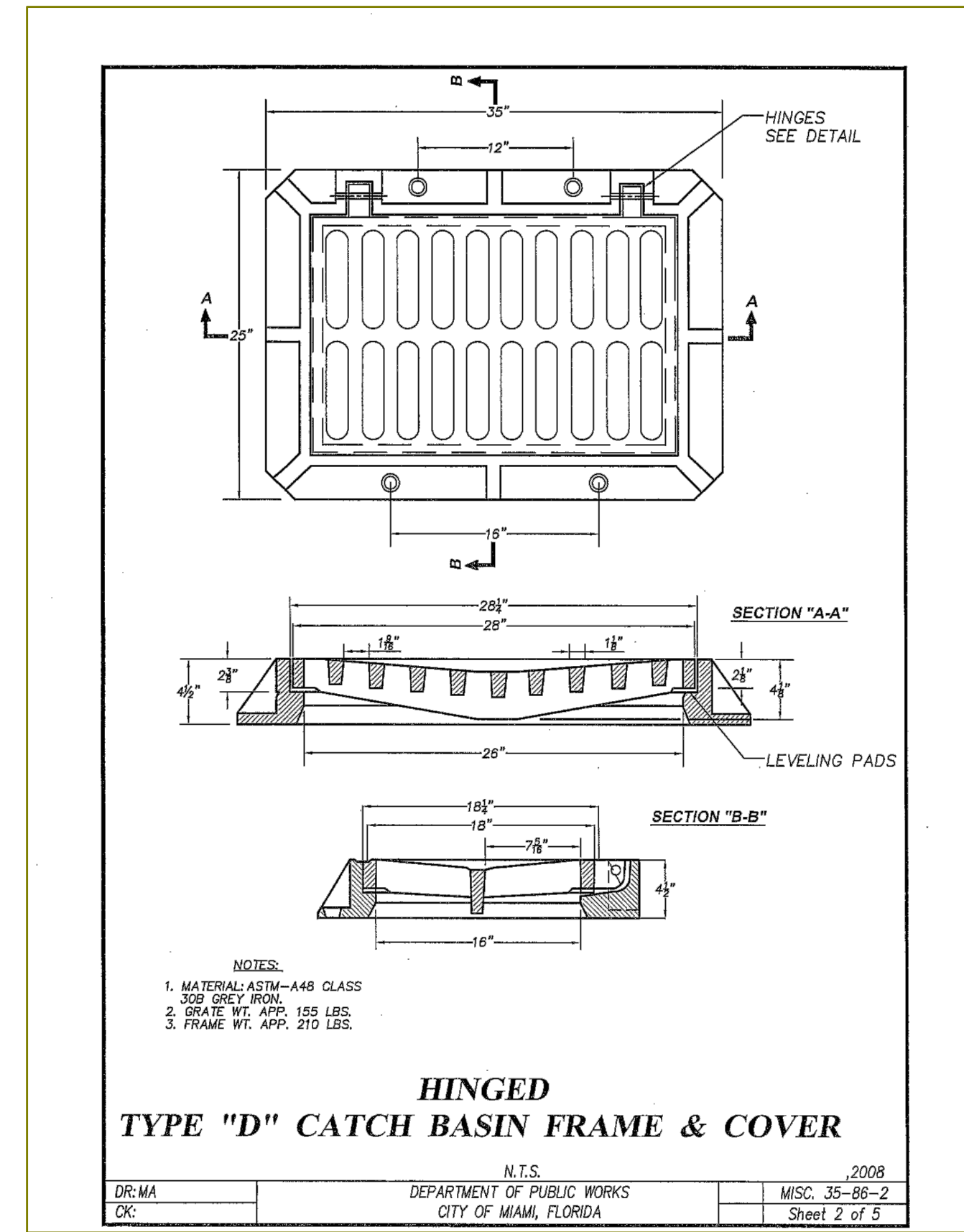
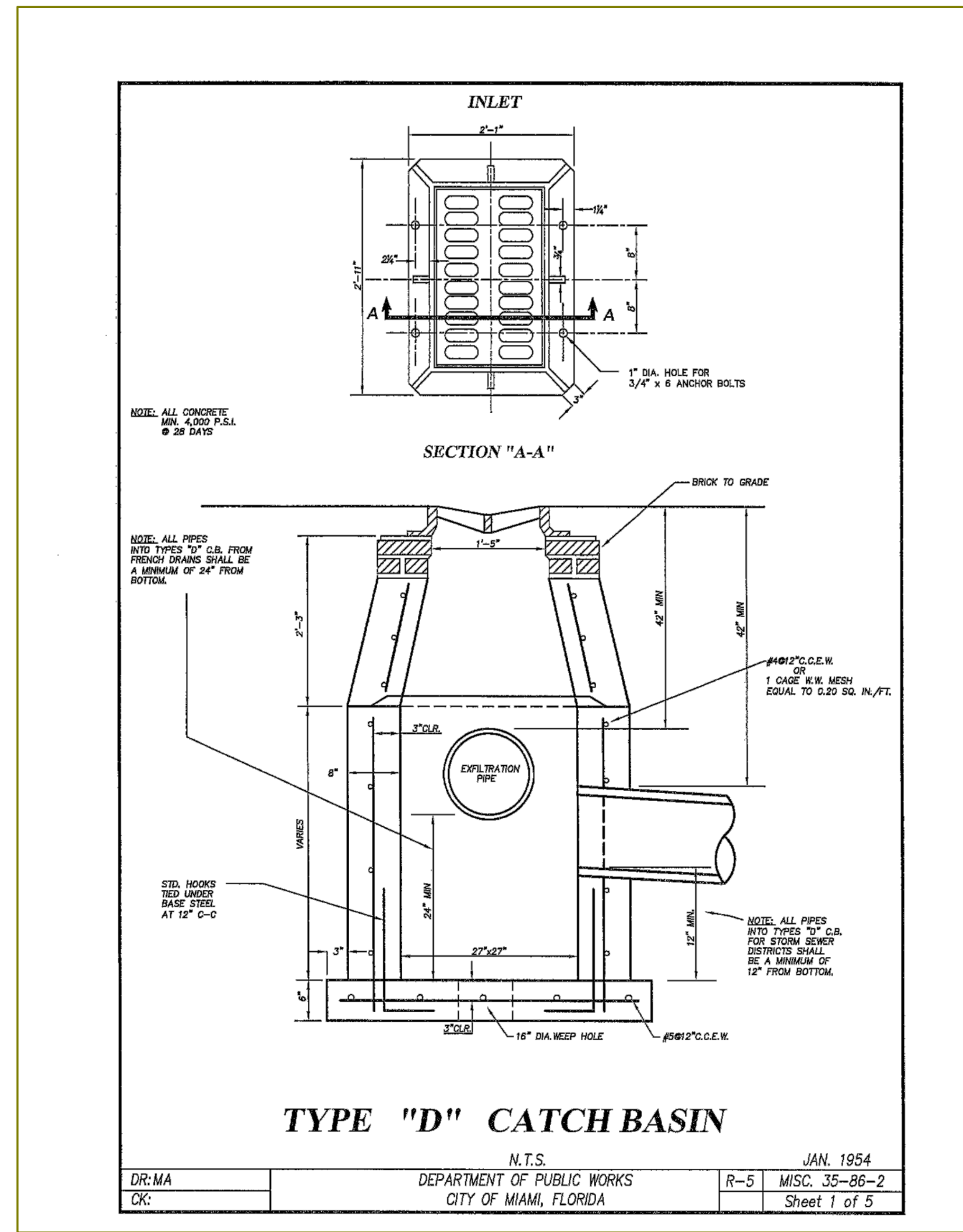
CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM
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MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE

SCALE: AS NOTED
FILE NAME: C-9 SITE PLAN DETAILS.DWG
DRAWN BY: LCU
CHECKED BY: BJC
DATE: JULY 26, 2016
DRAWING TITLE:
SITE PLAN DETAILS
DRAWING NUMBER:
C-9.0

SHEET 19 of 35

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REV	DESCRIPTION	DATE

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DATE: JULY 26, 2016

DRAWING TITLE:

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DRAWING NUMBER:

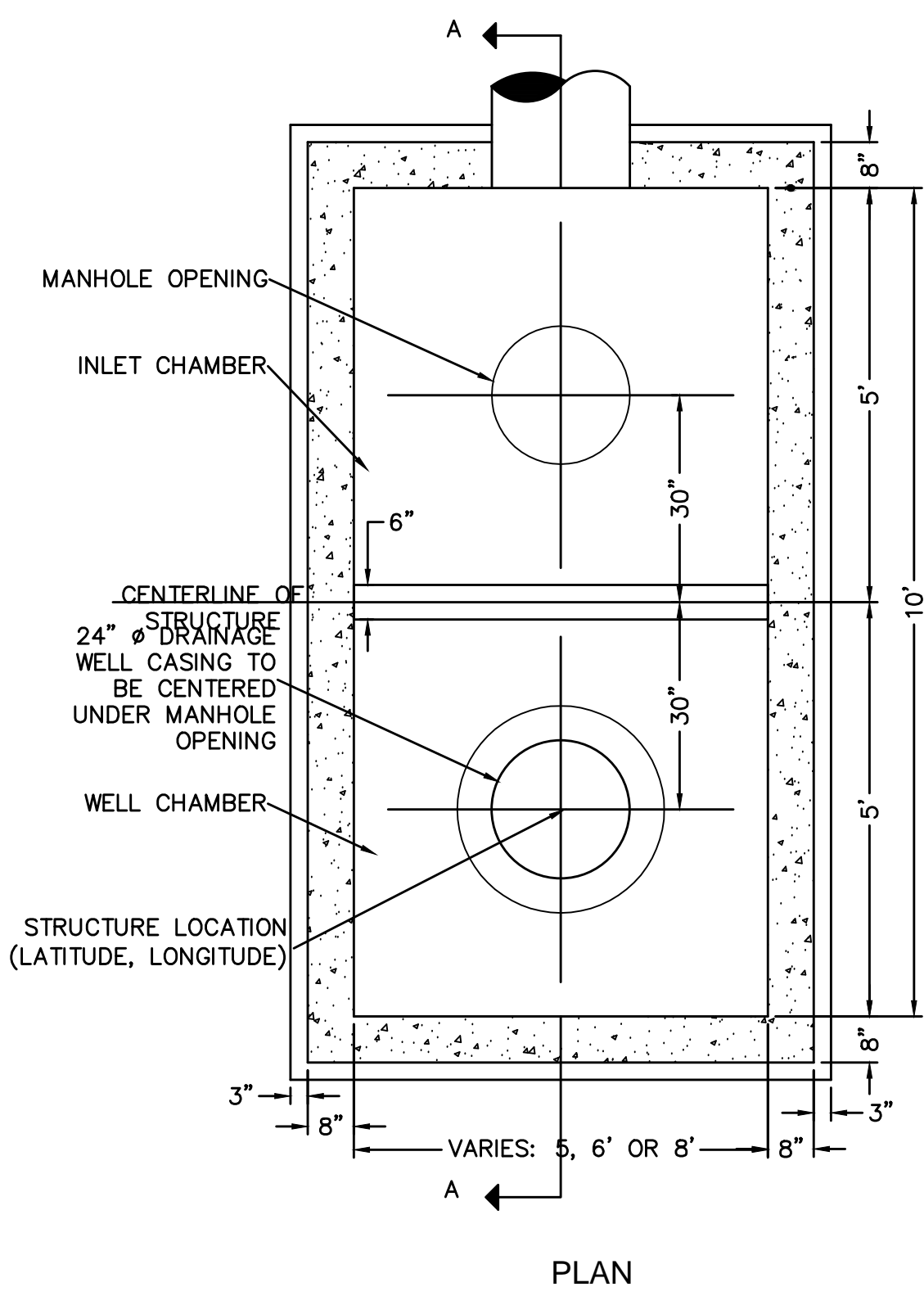
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SHEET 20 of 35

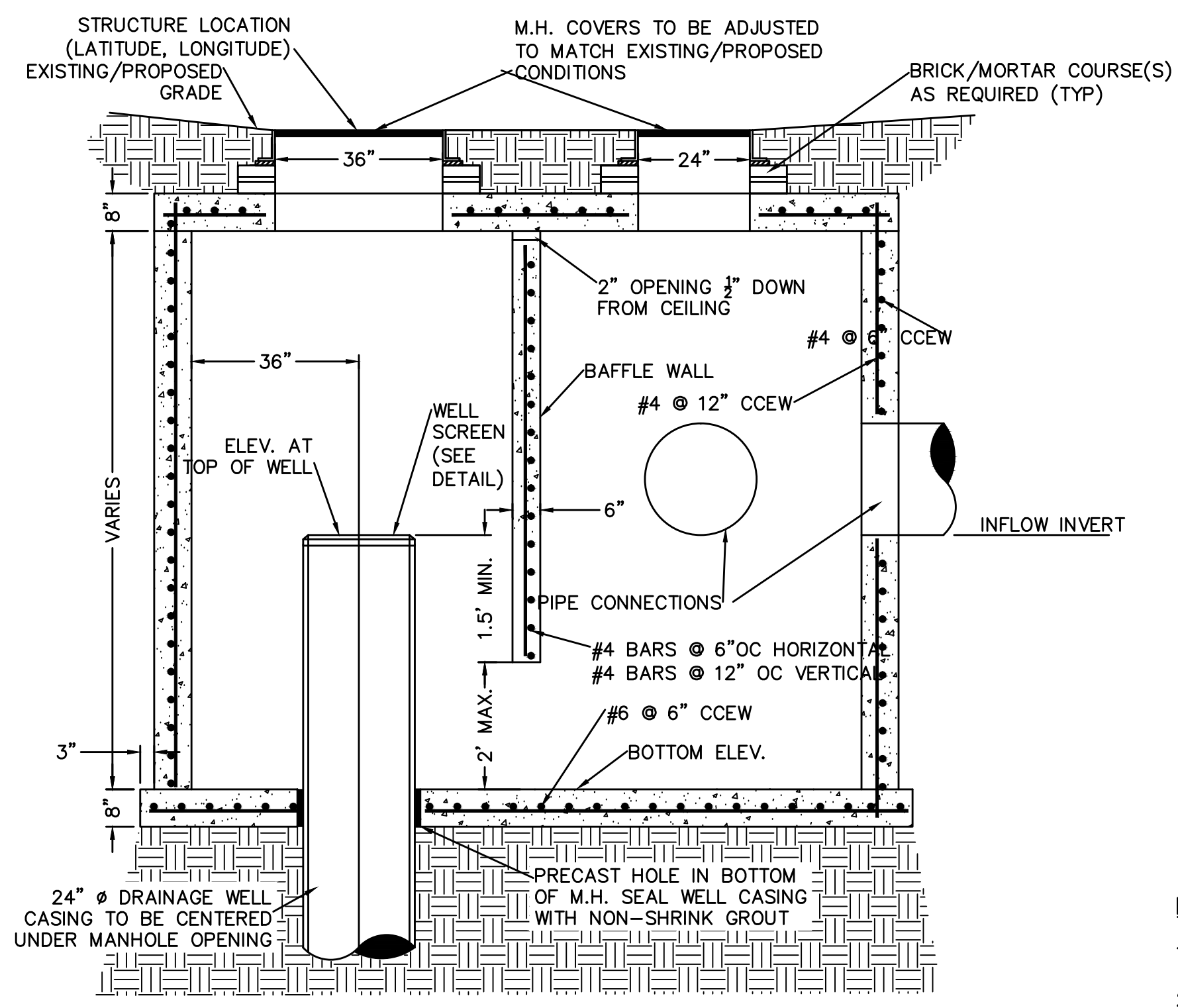
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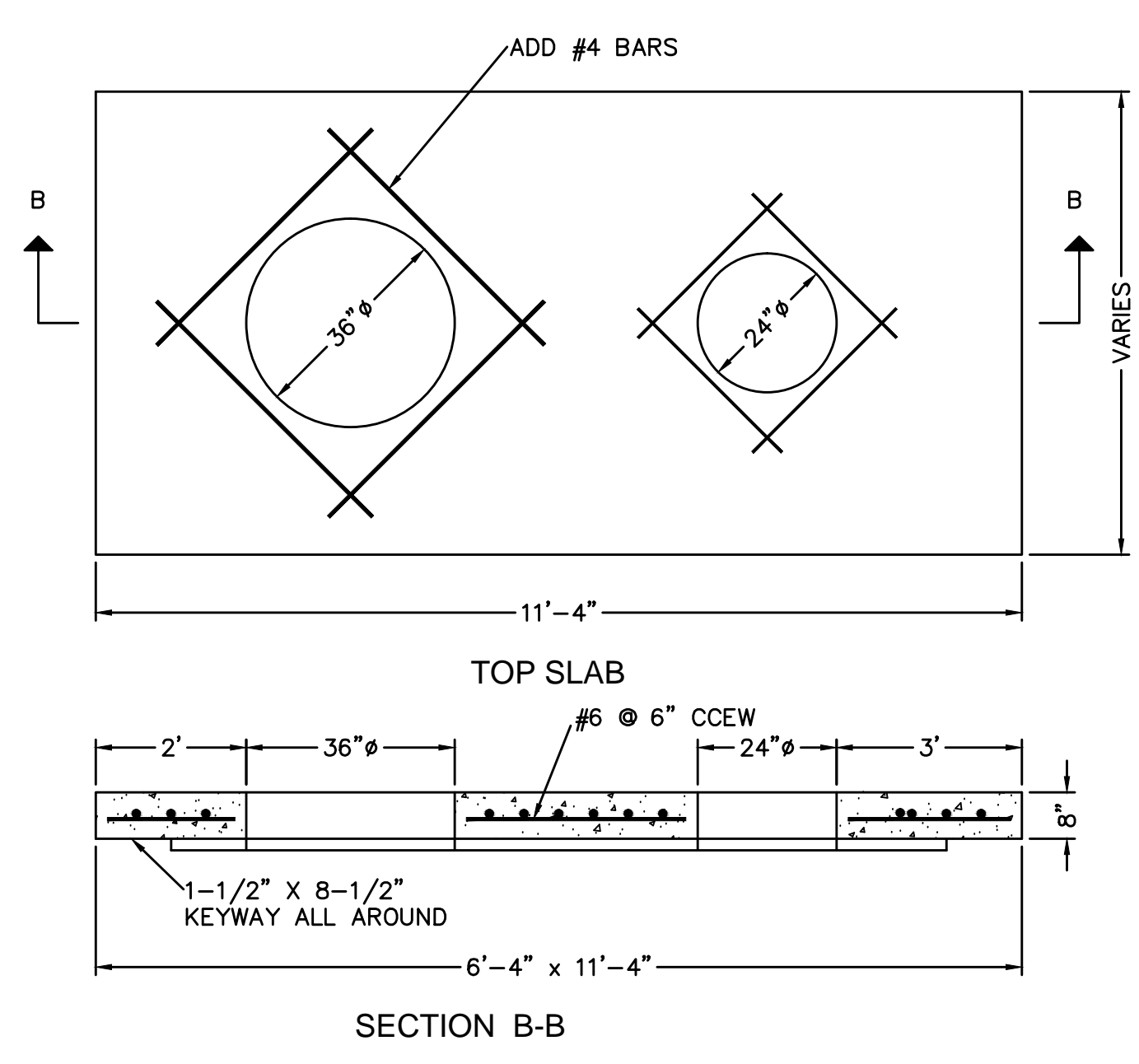
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PLAN



SECTION A-A
TYPICAL GRAVITY WELL STRUCTURE
N.T.S.

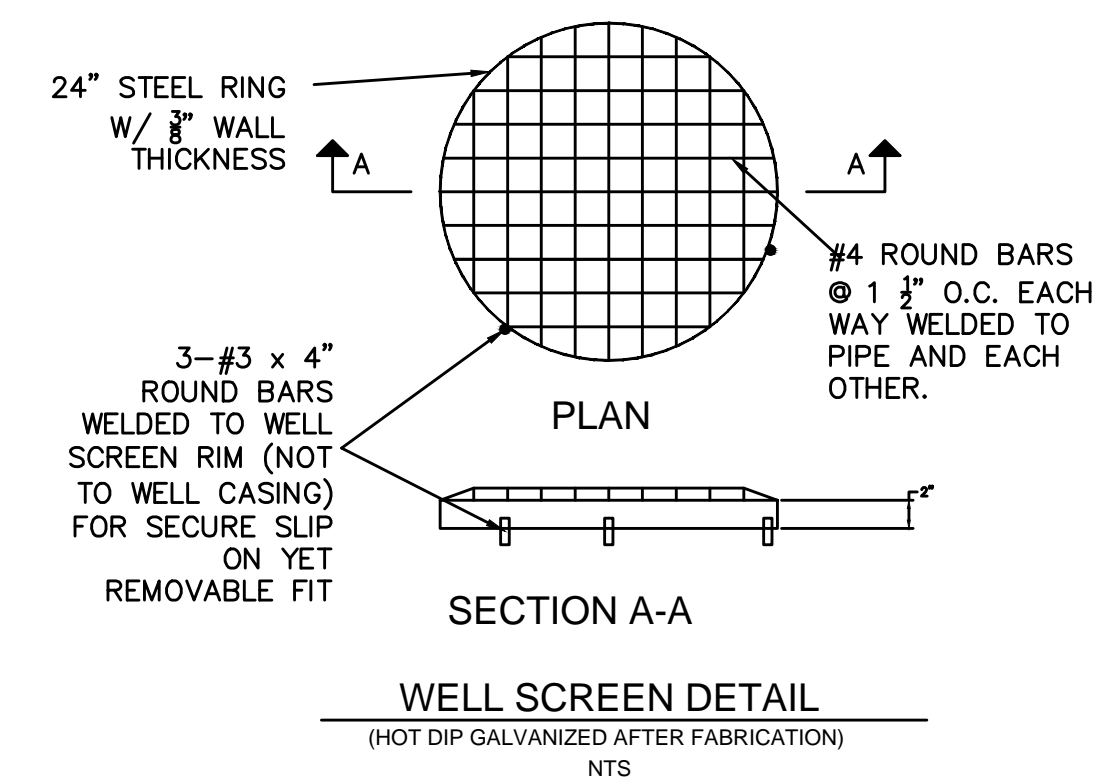


SECTION B-B

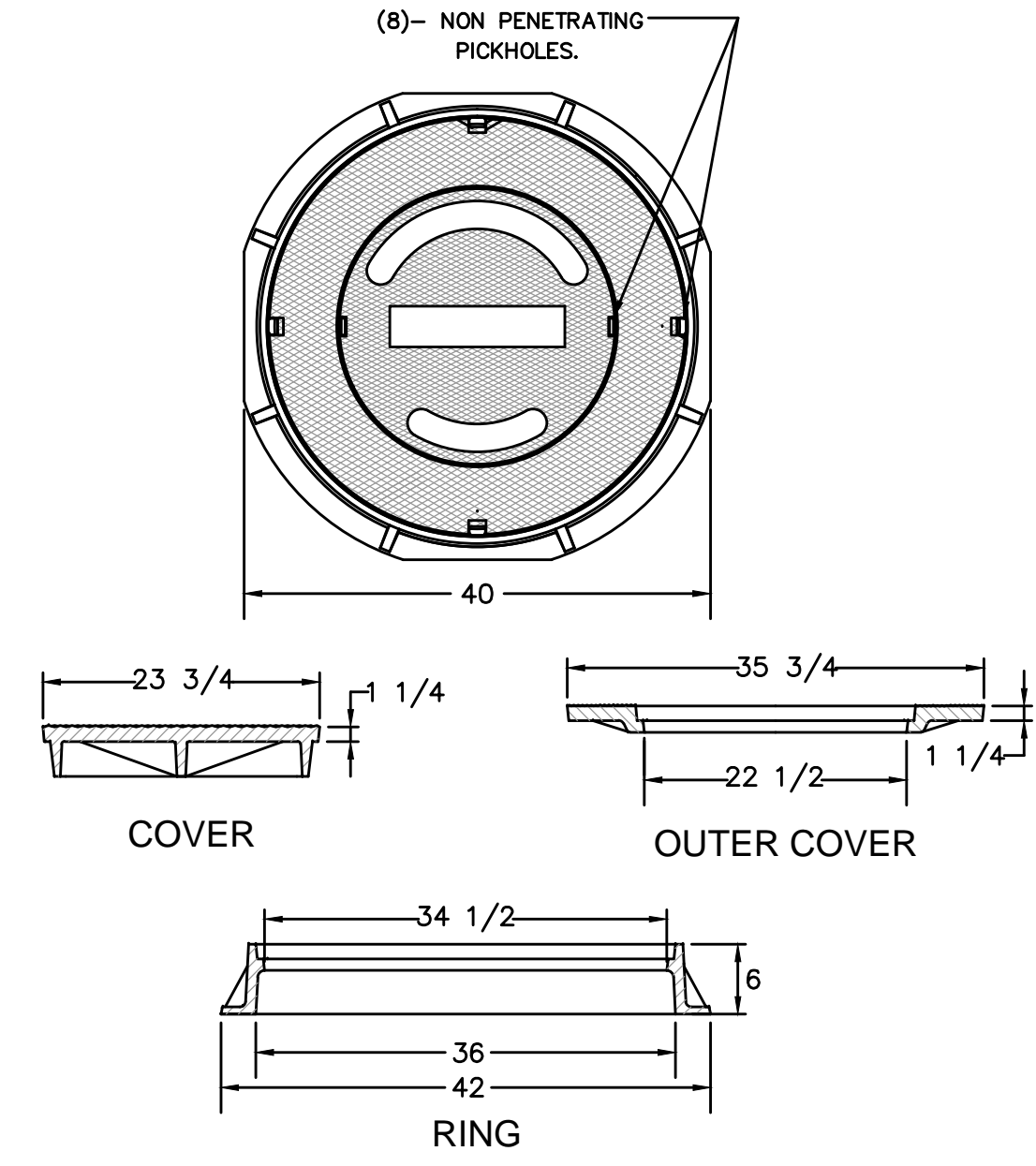
NOTES

1. USP POLLUTION RETARDANT BASINS: BAFFLE TYPE, LARGE RECTANGULAR TYPE "C" STRUCTURE W/ TOP SLAB INNER DIMENSION IS IDENTIFIED IN THE SCHEDULE BELOW.
2. 36" OPENING WILL REQUIRE USF 667 CR-OD
3. 24" OPENING WILL REQUIRE USF 310 RING TYPE A COVER
4. NO WELDS ARE ALLOWED ON THE TOP 15 FEET OF THE WELL CASING; DEPTH OF WELL TO BE TO THE DEPTH OF THE DESIGN DEVELOPMENT WELL RATE; GRATE ON WELL HEAD TO BE CORROSION RESISTANT IN A SALT WATER ENVIRONMENT.

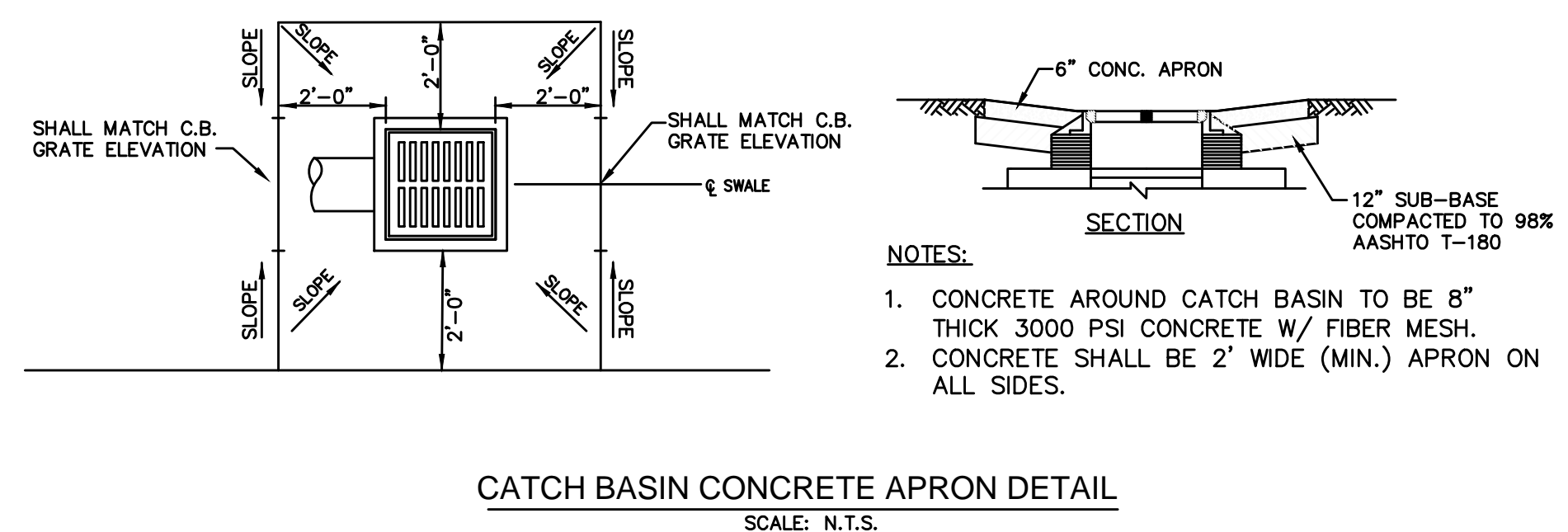
DISCHARGE ZONE FOR THE PROPOSED GRAVITY WELLS SHALL BE BELOW ANY GROUND WATER CONTAMINATION.



WELL SCREEN DETAIL
N.T.S.



- NOTES:
1. MATERIAL: ASTM-A48 CLASS 30B GRAY IRON.
 2. RING WT: 220 LBS. APP.
 3. OUTER COVER WT: 220 LBS. APP.
 4. INNER COVER WT: 190 LBS. APP.
 5. LETTERS SHALL STATE "WELL"
- MANHOLE RING & COVER
USF 667 CR-OD
N.T.S.



CATCH BASIN CONCRETE APRON DETAIL
SCALE: N.T.S.

GRAVITY WELL SCHEDULE							
STRUCTURE NAME	NORTHING	EASTING	INSIDE DIMENSION	RIM ELEVATION	TOP OF WELL ELEVATION	BOTTOM OF STRUCTURE ELEVATION	INVERT ELEVATION
GW-1	530448.6771	908315.2991	5'x10'	4.50'	2.50'	-1.00'	2.00'(W)
GW-2	530602.6274	908051.6499	5'x10'	6.00'	2.50'	-1.00'	2.00'(SE)
GW-3	530725.1544	907898.5163	8'x10'	5.00'	2.50'	-1.00'	2.00'(S)
GW-4	530946.4354	907996.2946	6'x10'	6.00'	2.50'	-1.00'	2.00'(SW)
GW-5	530966.1000	908246.4802	5'x10'	5.50'	2.50'	-1.00'	2.00'(E)
GW-6	531337.8127	908326.2646	5'x10'	6.00'	2.50'	-1.00'	2.00'(E)
GW-7	531659.2236	907954.9753	8'x10'	5.80'	2.50'	-1.00'	2.20'(W), 2.20'(SE), 2.20'(E)
GW-8	531394.5689	907766.2019	8'x10'	6.50'	2.50'	-1.00'	2.00'(NW)
GW-9	531381.3274	907918.0016	5'x10'	6.00'	2.50'	-1.00'	2.00'(E), 2.00'(NW)
GW-10	531214.5618	907838.3153	5'x10'	6.25'	2.50'	-1.00'	2.00' (N)
GW-11	531168.4814	907897.2332	5'x10'	6.50'	2.50'	-1.00'	2.00'(S), 2.00'(E)
GW-12	531071.0820	907981.3938	5'x10'	6.00'	2.50'	-1.00'	2.00'(SE)
GW-13	530918.3542	907932.0556	8'x10'	6.10'	2.50'	-1.00'	N/A (FUTURE)
GW-14	530794.6252	907768.3805	8'x10'	4.30'	2.50'	-1.00'	1.80'(NW), 2.00' (SE)

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PROFESSIONAL SEAL:

BRUCE J. CLARK, P.E.
FL. REG. NO. 31924

PROJECT NUMBER: 09213010.46

PROJECT NAME & ADDRESS:

CURTIS PARK
CORRECTIVE ACTION PLAN
1901 NW 24TH AVENUE
MIAMI, FLORIDA

CLIENT NAME & ADDRESS:



CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM
444 SW 2ND AVENUE
MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE

SCALE: AS NOTED

FILE NAME: C-10

DRAWN BY: LCU

CHECKED BY: BJC

DATE: JULY 26, 2016

DRAWING TITLE:

C-10
DRAINAGE_DETAILS_RECOVER
C-10.2

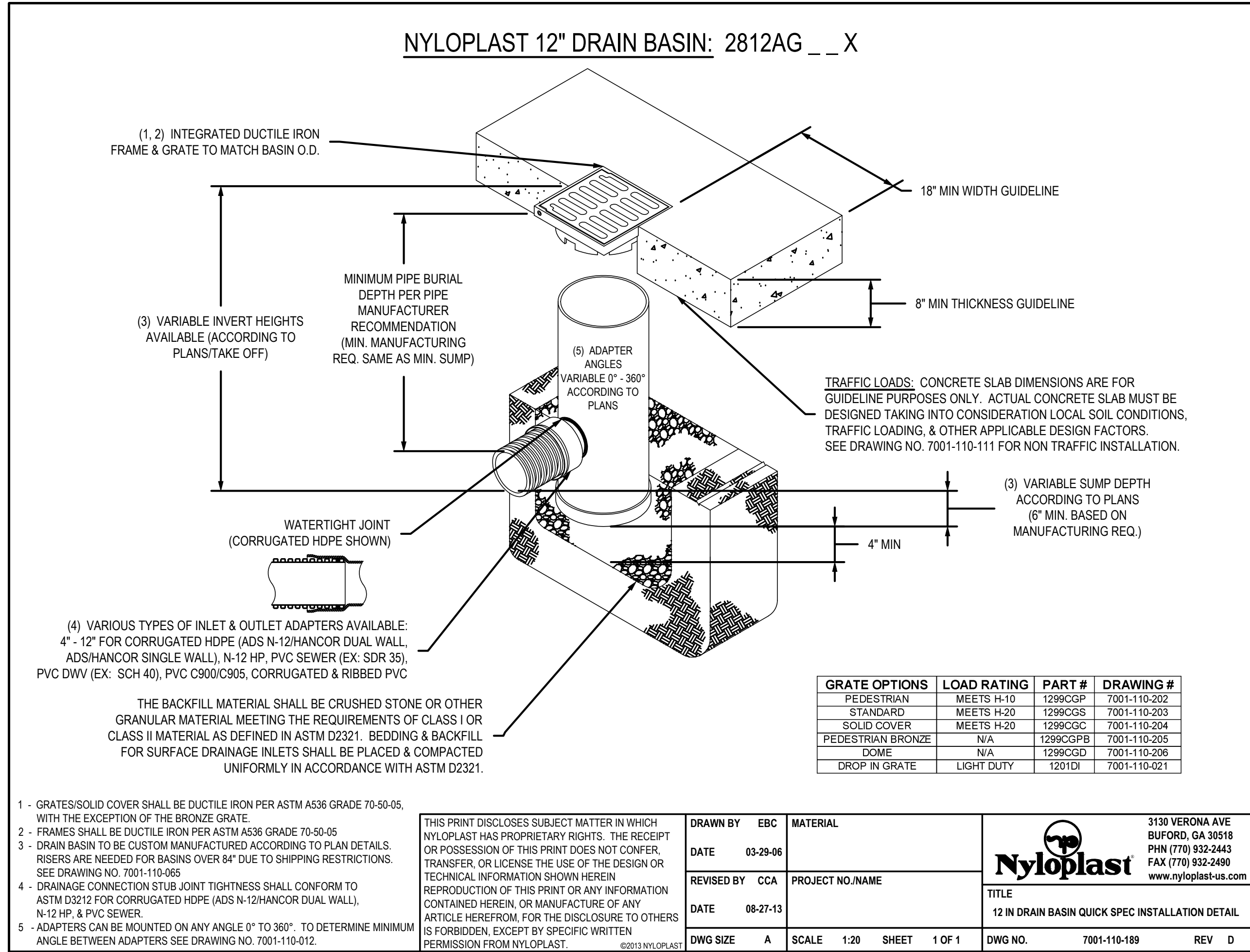
DRAWING NUMBER:

C-10.2

BID SET
DATE: JULY 2016



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Section 2722 Engineered Surface Drainage Products

GENERAL
PVC surface drainage inlets shall be of the inline drain type as indicated on the contract drawing and referenced within the contract specifications. The ductile iron grates for each of these fittings are to be considered an integral part of the surface drainage inlet and shall be furnished by the same manufacturer. The surface drainage inlets shall be as manufactured by Nyloplast a division of Advanced Drainage Systems, Inc., or prior approved equal.

MATERIALS
The inline drain required for this contract shall be manufactured from PVC pipe stock, utilizing a thermo-molding process to reform the pipe stock to the furnished configuration. The drainage pipe connection stubs shall be manufactured from PVC pipe stock and formed to provide a watertight connection with the specified pipe system. This joint tightness shall conform to ASTM D3212 for joints for drain and sewer plastic pipe using flexible elastomeric seals. The flexible elastomeric seals shall conform to ASTM F477. The pipe bell spigot shall be joined to the inline drain body by use of a **swage mechanical joint**. The raw material used to manufacture the pipe stock that is used to manufacture the inline drain body and pipe stubs of the surface drainage inlets shall conform to ASTM D1784 cell class 12454.

The grates furnished for all surface drainage inlets shall be ductile iron grates for sizes 8", 10", 12", 15", 18", 24" and 30" shall be made specifically for each fitting so as to provide a round bottom flange that closely matches the diameter of the surface drainage inlet. Grates for inline drains shall be capable of supporting H-20 wheel loading for traffic areas or H-10 loading for pedestrian areas. 12" and 15" square grates will be hinged to the frame using pins. Metal used in the manufacture of the castings shall conform to ASTM A536 grade 70-50-05 for ductile iron. Grates shall be provided painted black.

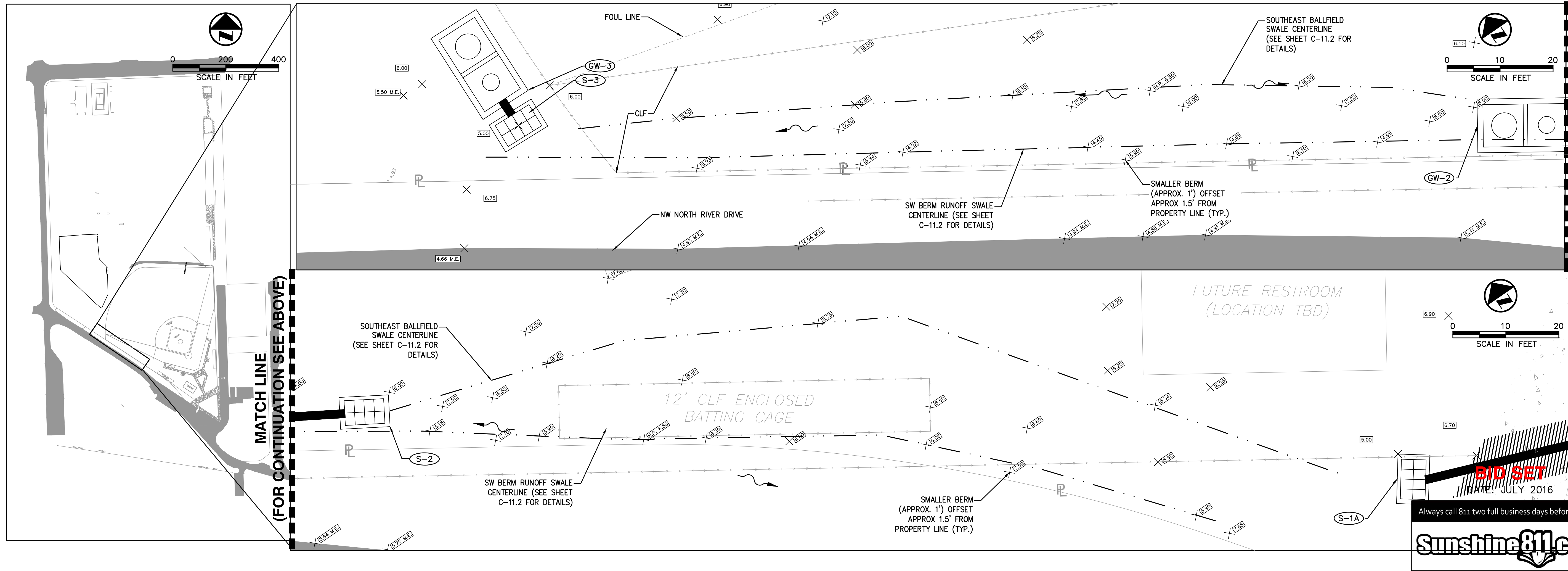
INSTALLATION
The specified PVC surface drainage inlet shall be installed using conventional flexible pipe backfill materials and procedures. The backfill material shall be crushed stone or other granular material meeting the requirements of class 1 or class 2 material as defined in ASTM D2321. Bedding and backfill for surface drainage inlets shall be well placed and compacted uniformly in accordance with ASTM D2321. The drain basin body will be cut at the time of the final grade. No brick, stone or concrete block will be required to set the grate to the final grade height. For H-20 load rated installations, a concrete ring will be poured under and around the grate and frame. The concrete slab must be designed taking into consideration local soil conditions, traffic loading, and other applicable design factors. For other installation considerations such as migration of fines, ground water, and soft foundations refer to ASTM D2321 guidelines.

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DRAWN BY	CJA	MATERIAL	
DATE	03-10-00	PROJECT NO./NAME	
REVISED BY	CCA		
DATE	09-09-13		
DWG SIZE	A	SCALE	1:1 SHEET 1 OF 1

Nyloplast		3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com
TITLE		8 IN - 30 IN INLINE DRAIN SPECIFICATIONS
DWG NO.	7003-110-009	REV G



MATCH LINE
(FOR CONTINUATION SEE BELOW)

MATCH LINE
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CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM
444 SW 2ND AVENUE
MIAMI, FLORIDA 33130

REV	DESCRIPTION	DATE

SCALE: AS NOTED

FILE NAME: C-10 DRAINAGE_DETAILS_RECOVER.DWG

DRAWN BY: LCU

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DATE: JULY 26, 2016

DRAWING TITLE: DRAINAGE DETAILS

DRAWING NUMBER: C-10.3

SHEET 22 of 35

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PH. (305) 412-8185 FAX. (305) 412-8105 FL
CERTIFICATE OF AUTHORIZATION NO. 00004892

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DRAINAGE DETAILS

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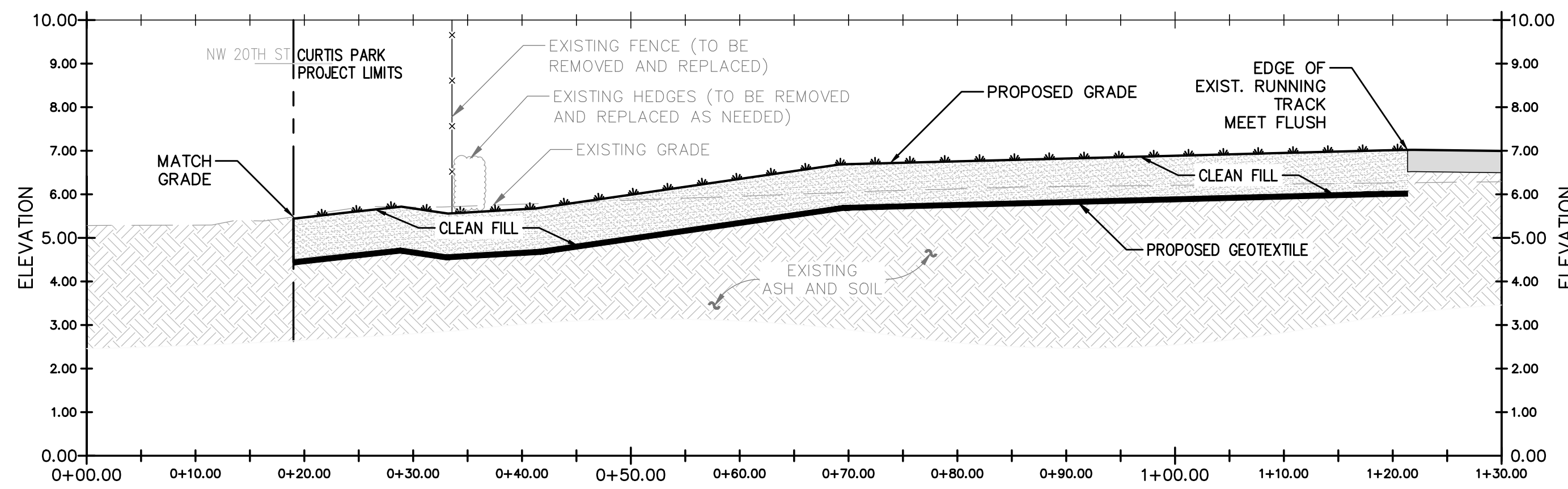
SHEET 22 of 35

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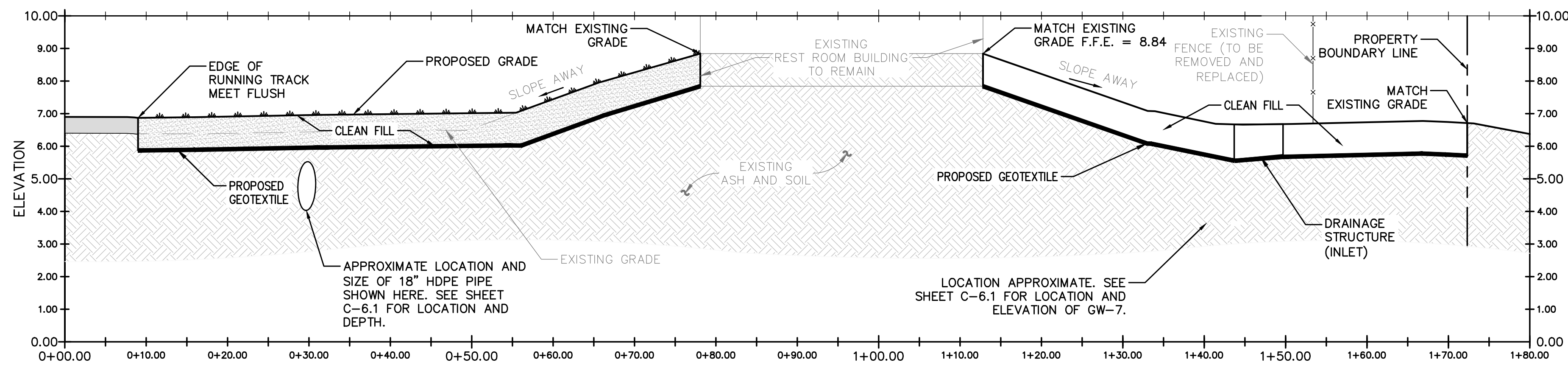
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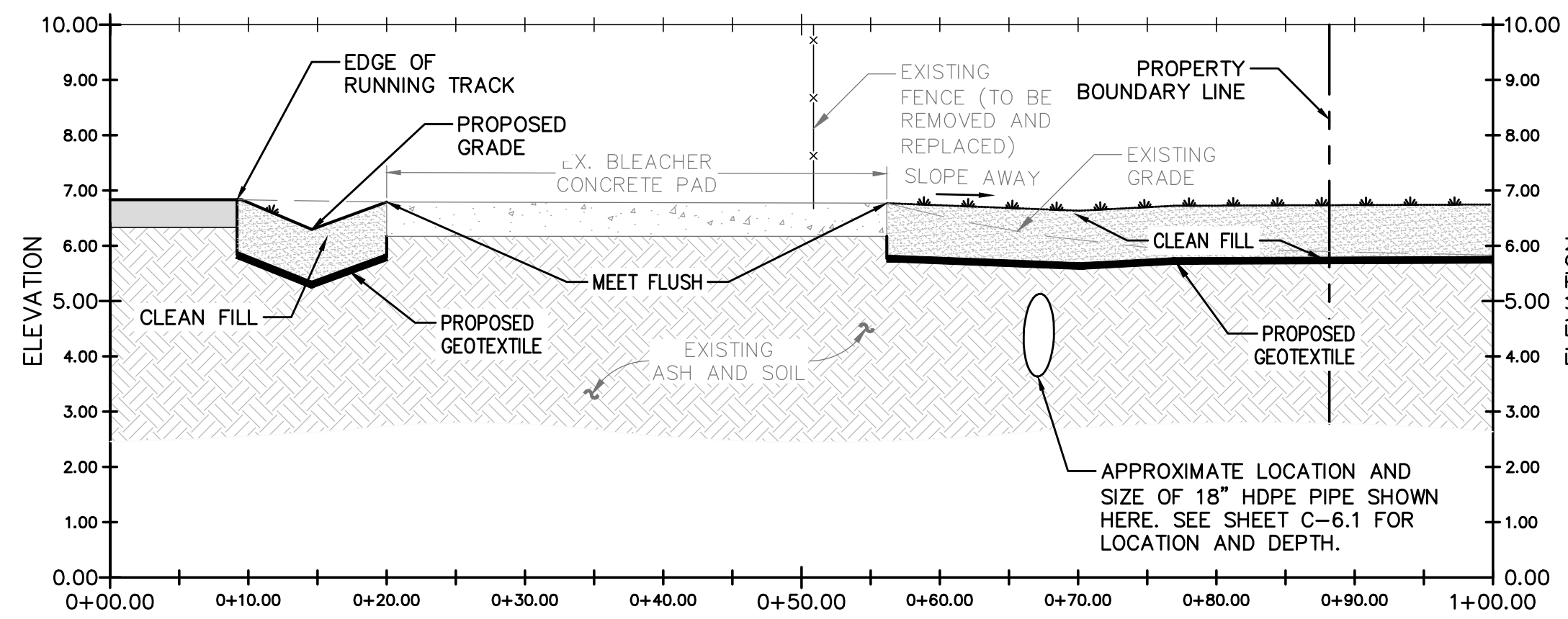
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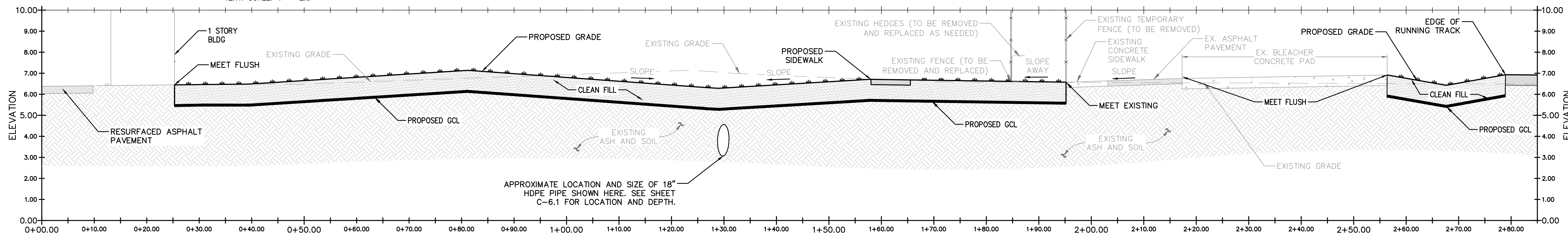
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 VERT. SCALE: 1" = 2.5'



SECTION B
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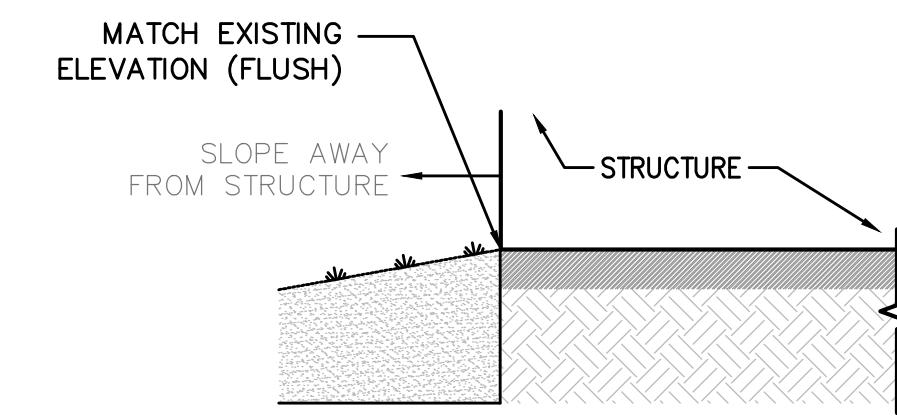
SECTION C
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SECTION D
 HORZ. SCALE: 1" = 10'
 VERT. SCALE: 1" = 2.5'



SECTION E
 HORZ. SCALE: 1" = 10'
 VERT. SCALE: 1" = 2.5'



TYPICAL SIDEWALK, CONCRETE COURT, ASPHALT COURT, RUBBER TRACK, CONCRETE PAD, BLEACHER PAD AND/OR BUILDING PAD.
 SCALE: NOT TO SCALE

- NOTES:
 1. SIDEWALK MUST MEET ADA REQUIREMENTS. LONGITUDINAL SLOPE OF SIDEWALK NOT TO EXCEED 1:20

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SECTIONS

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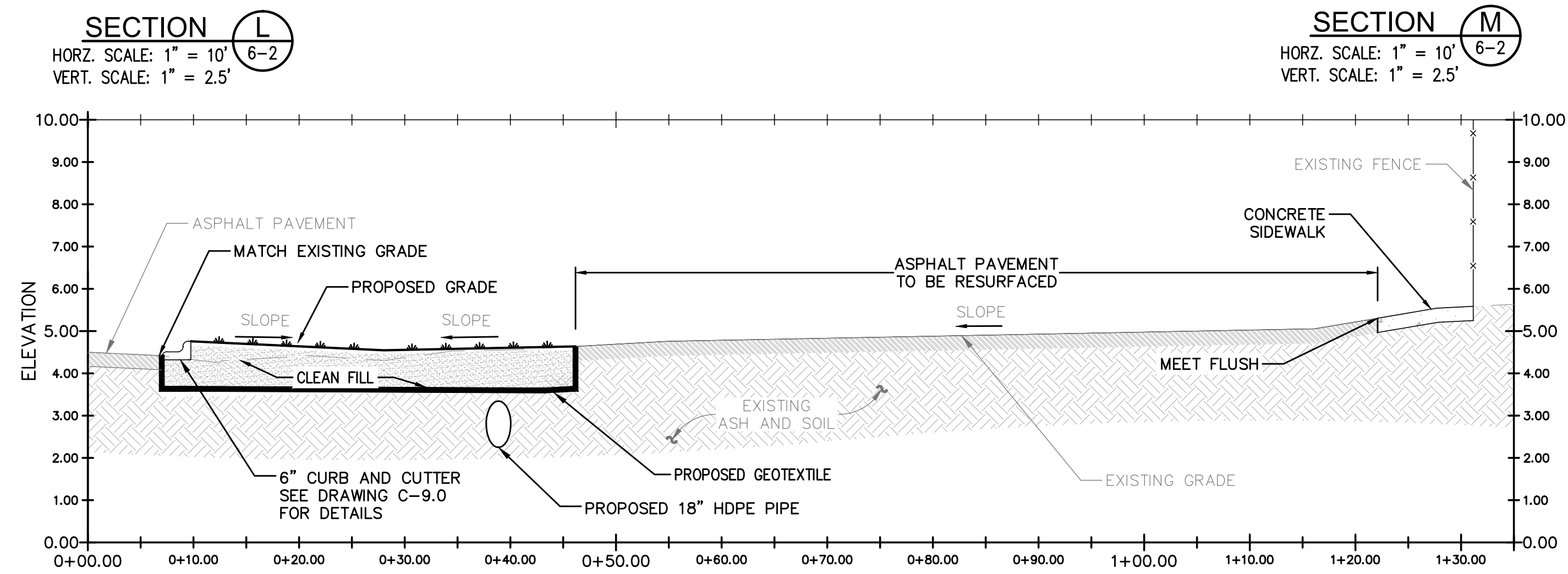
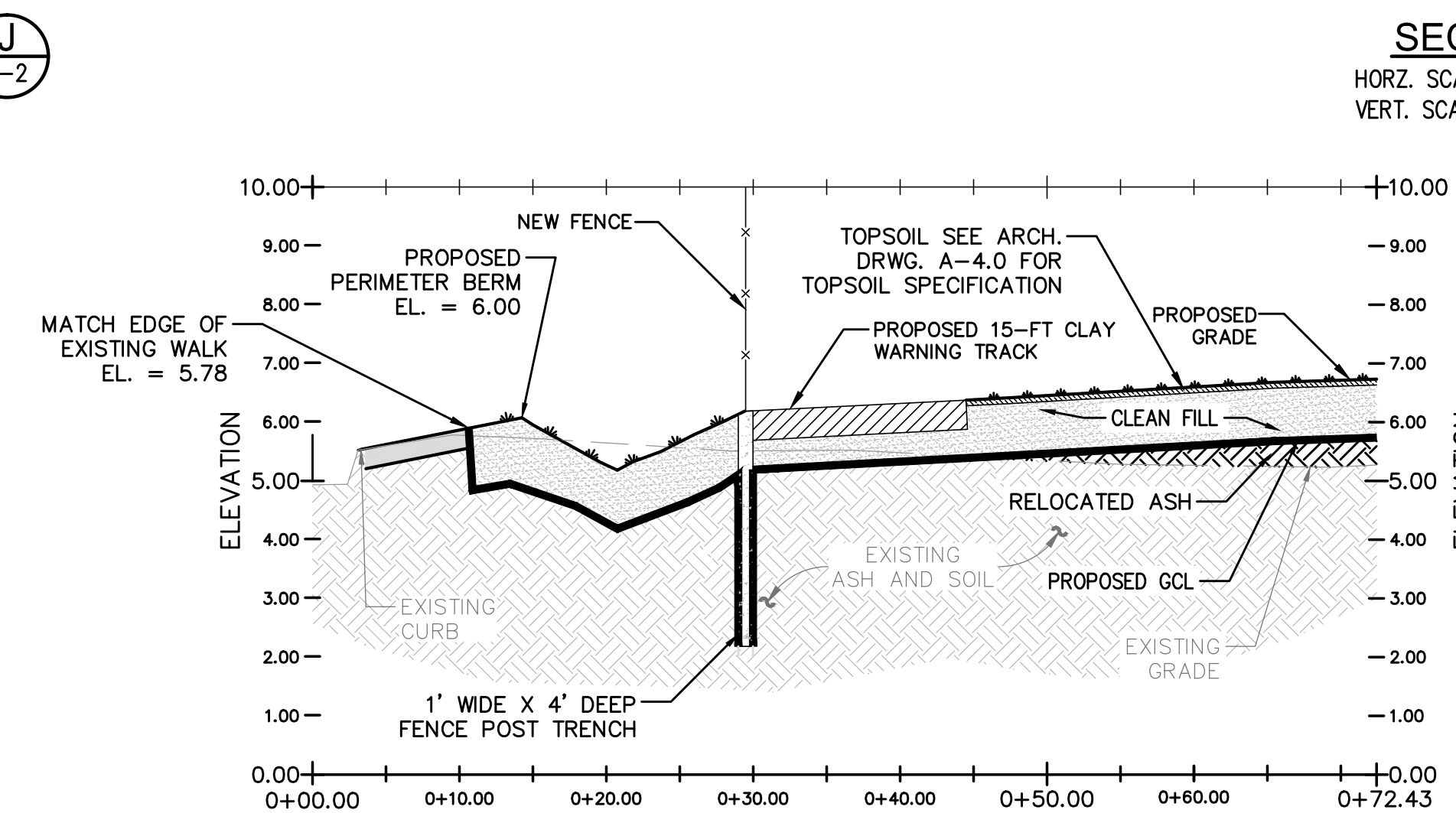
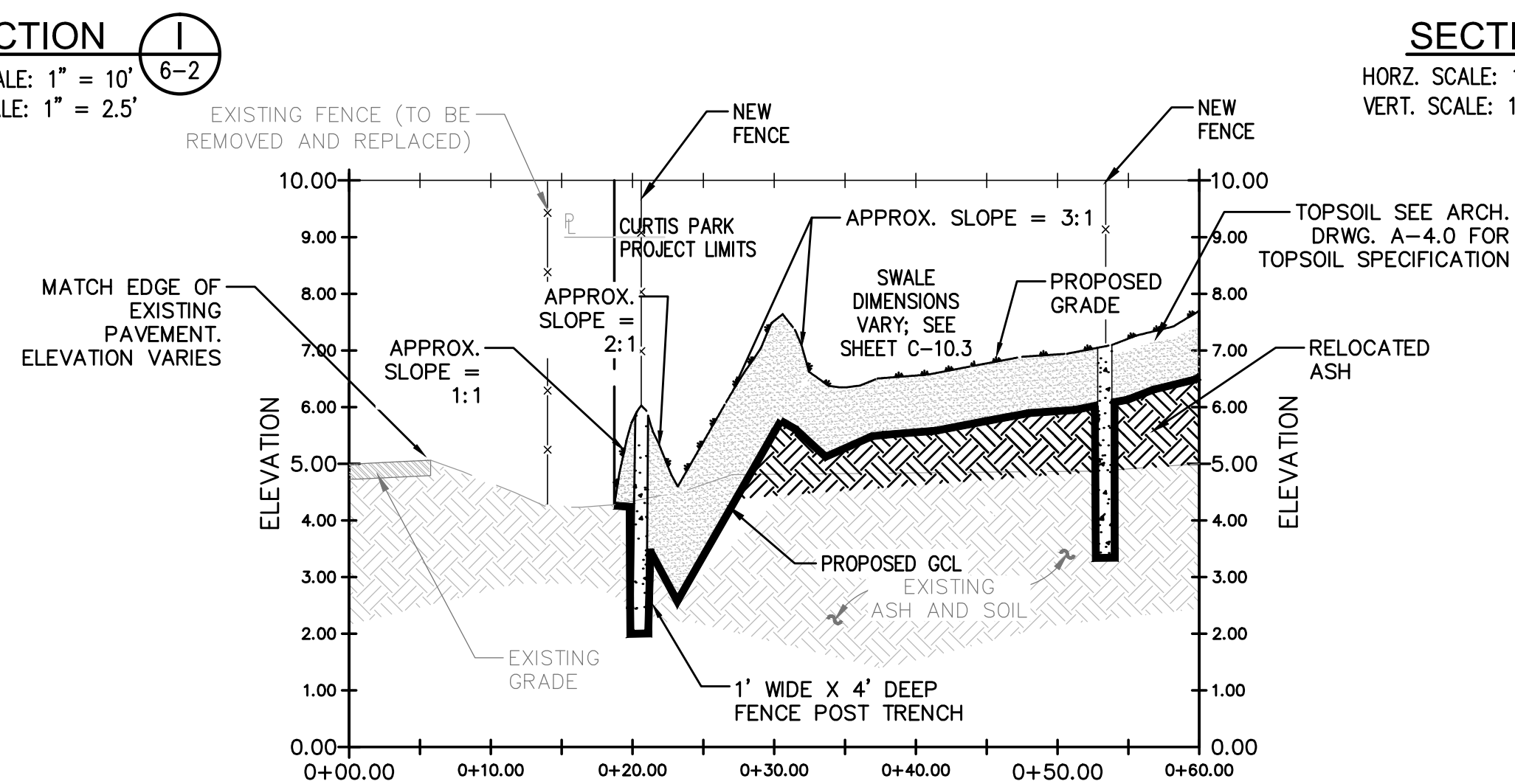
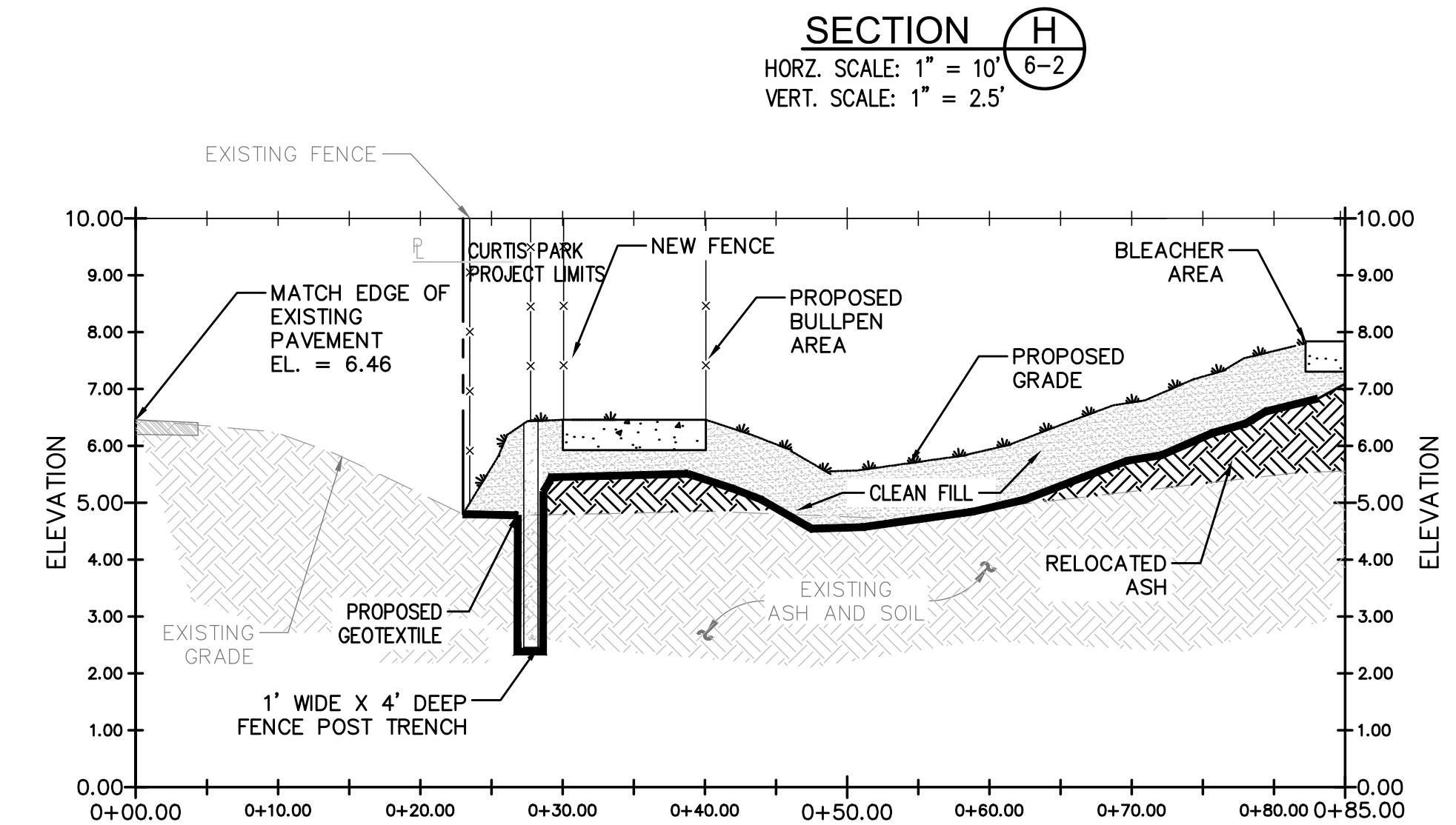
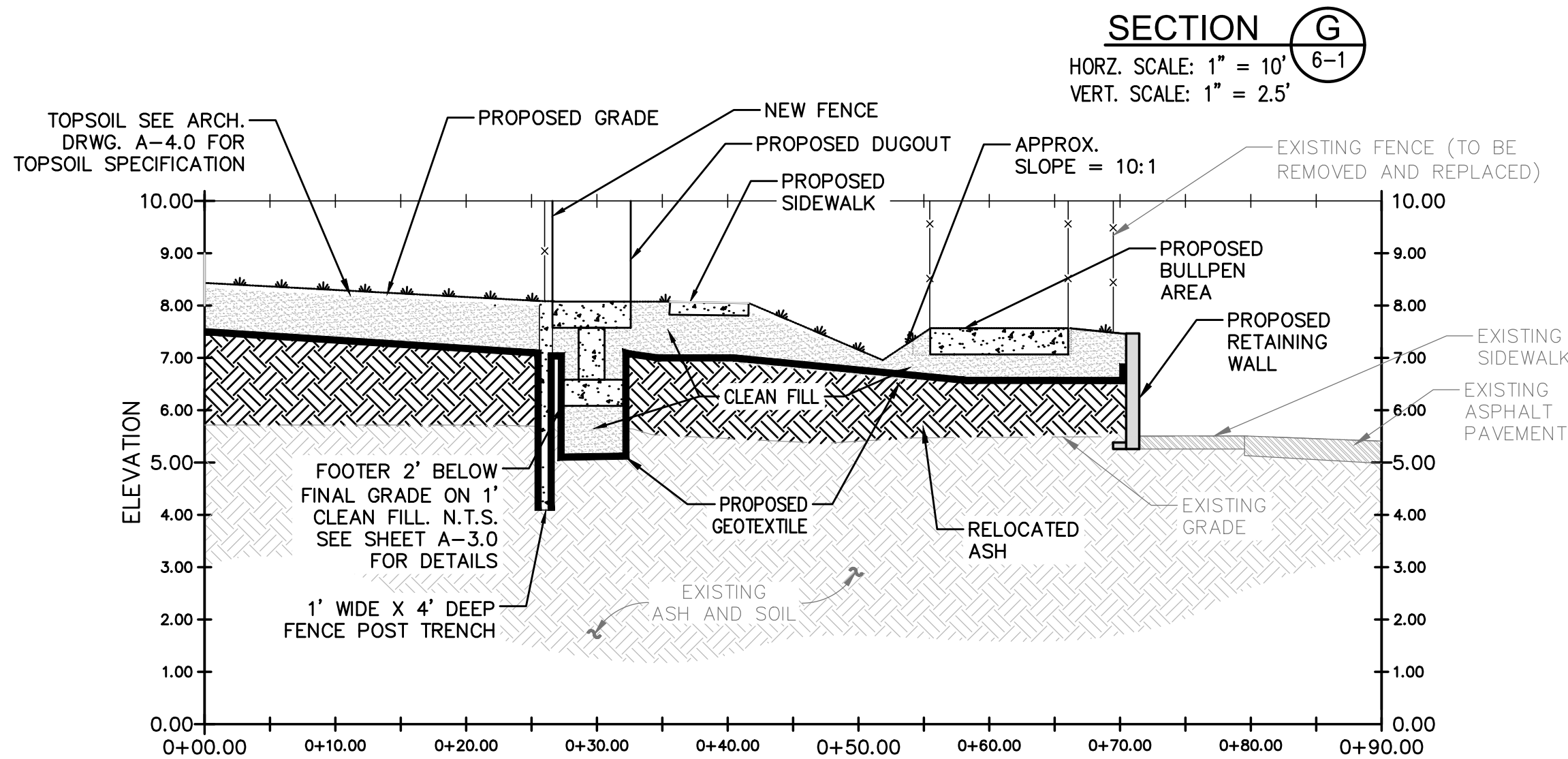
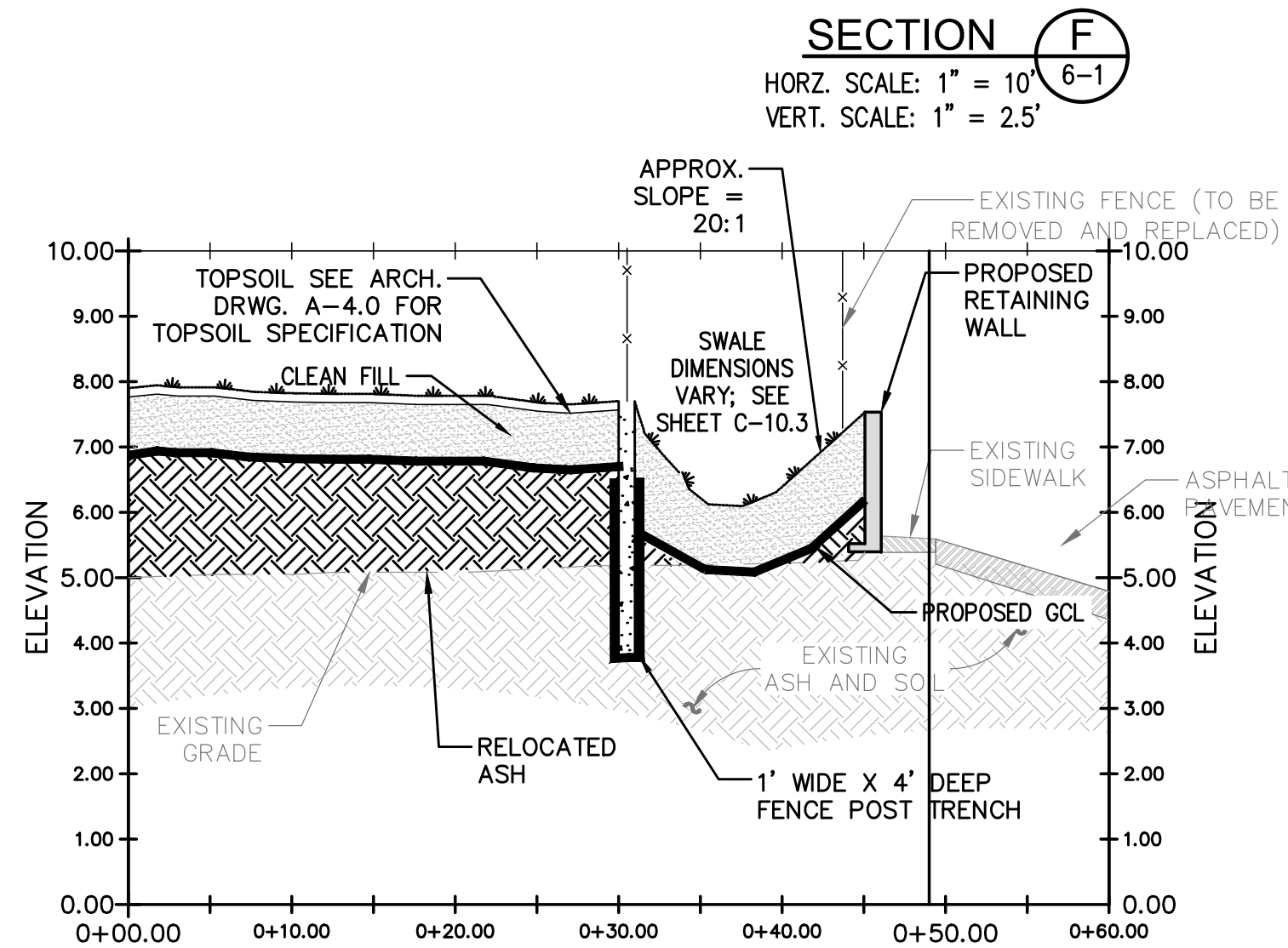
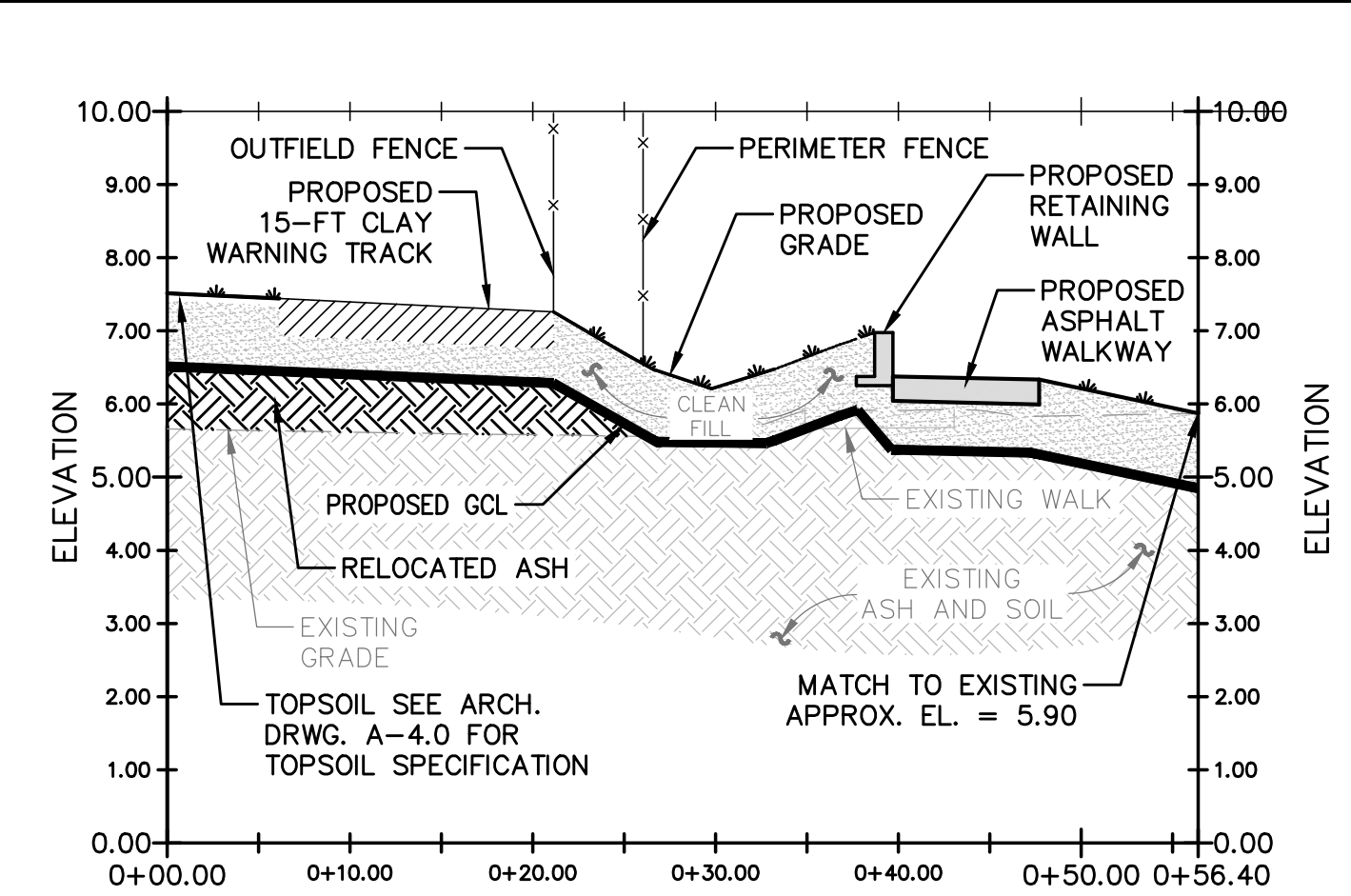
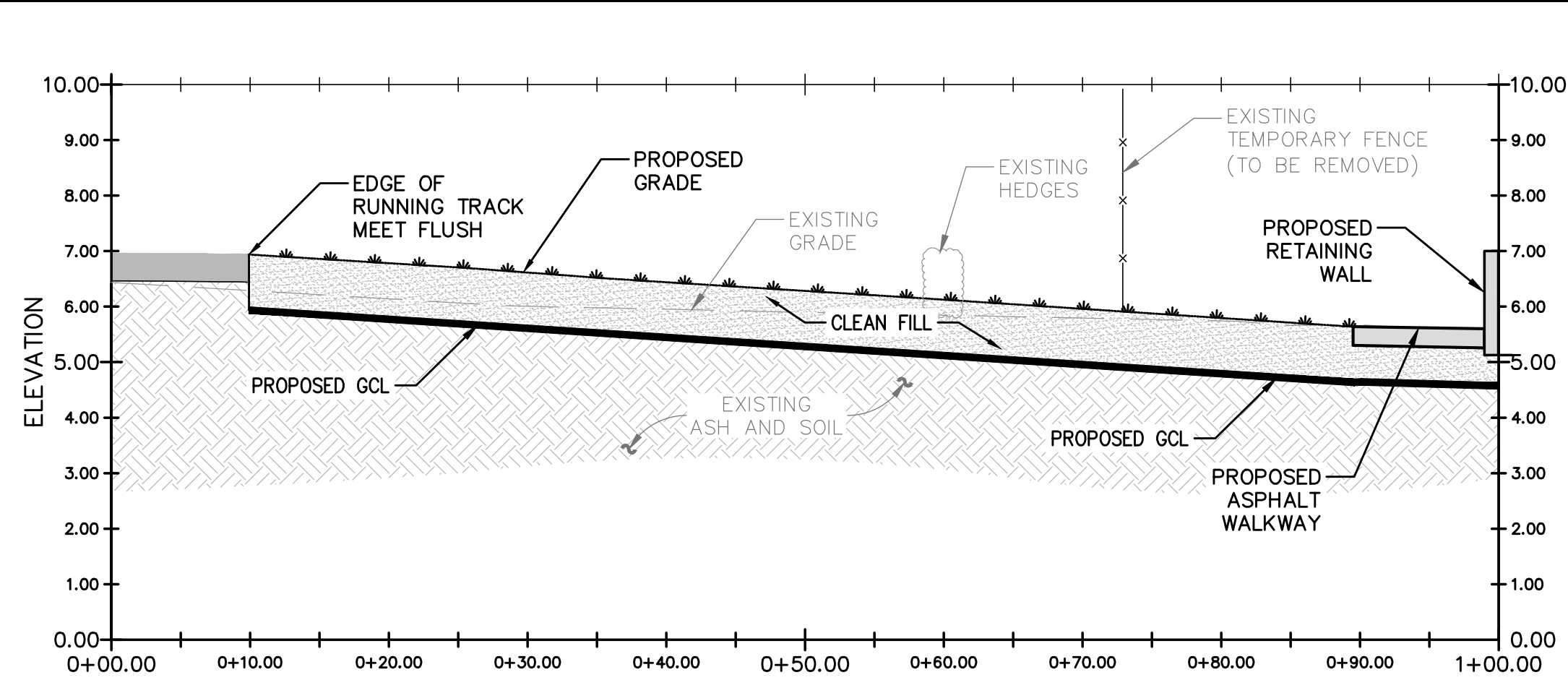
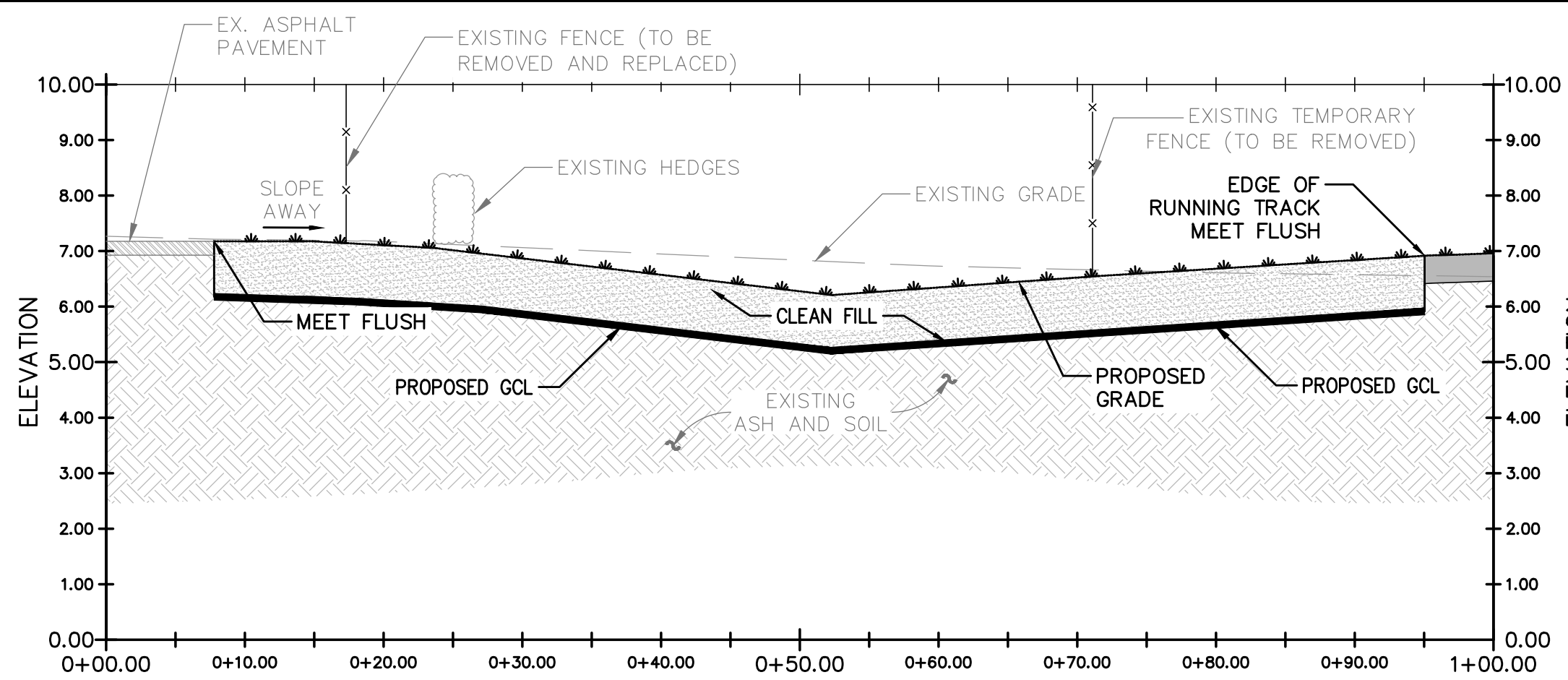
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C-11
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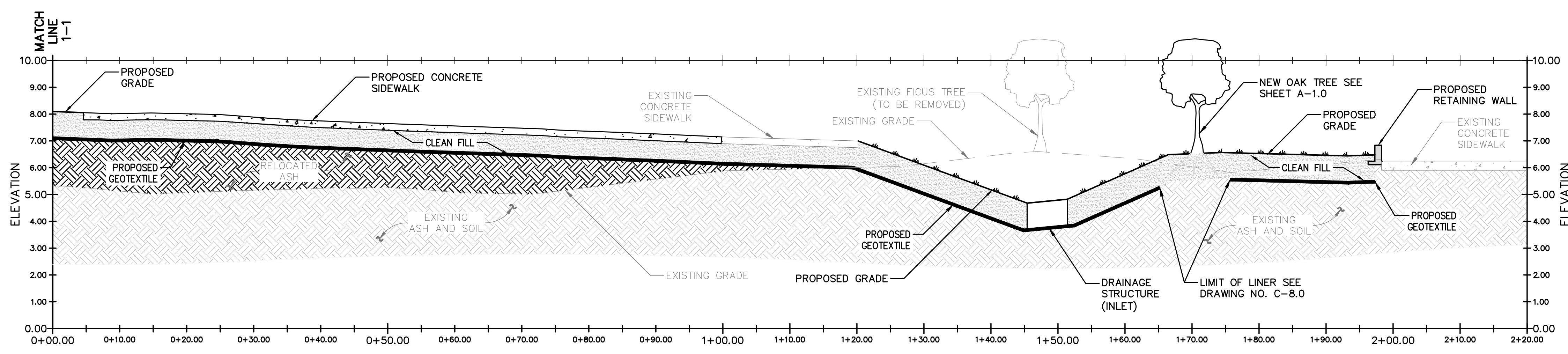
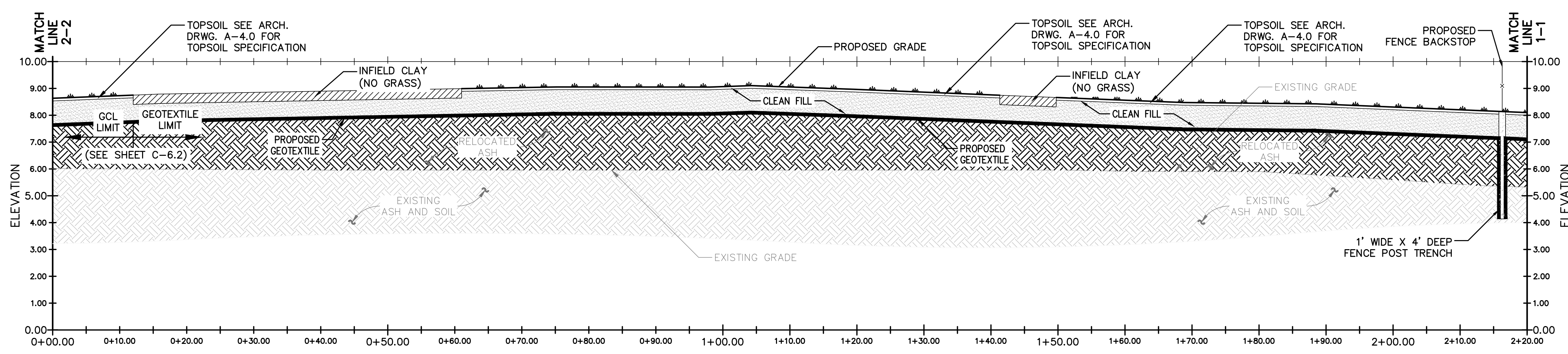
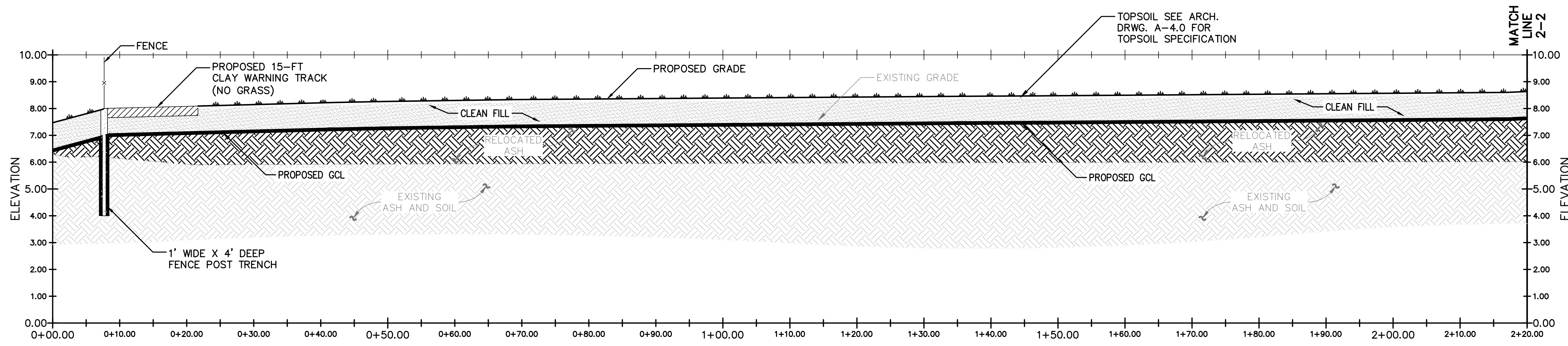
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SECTION 6-2
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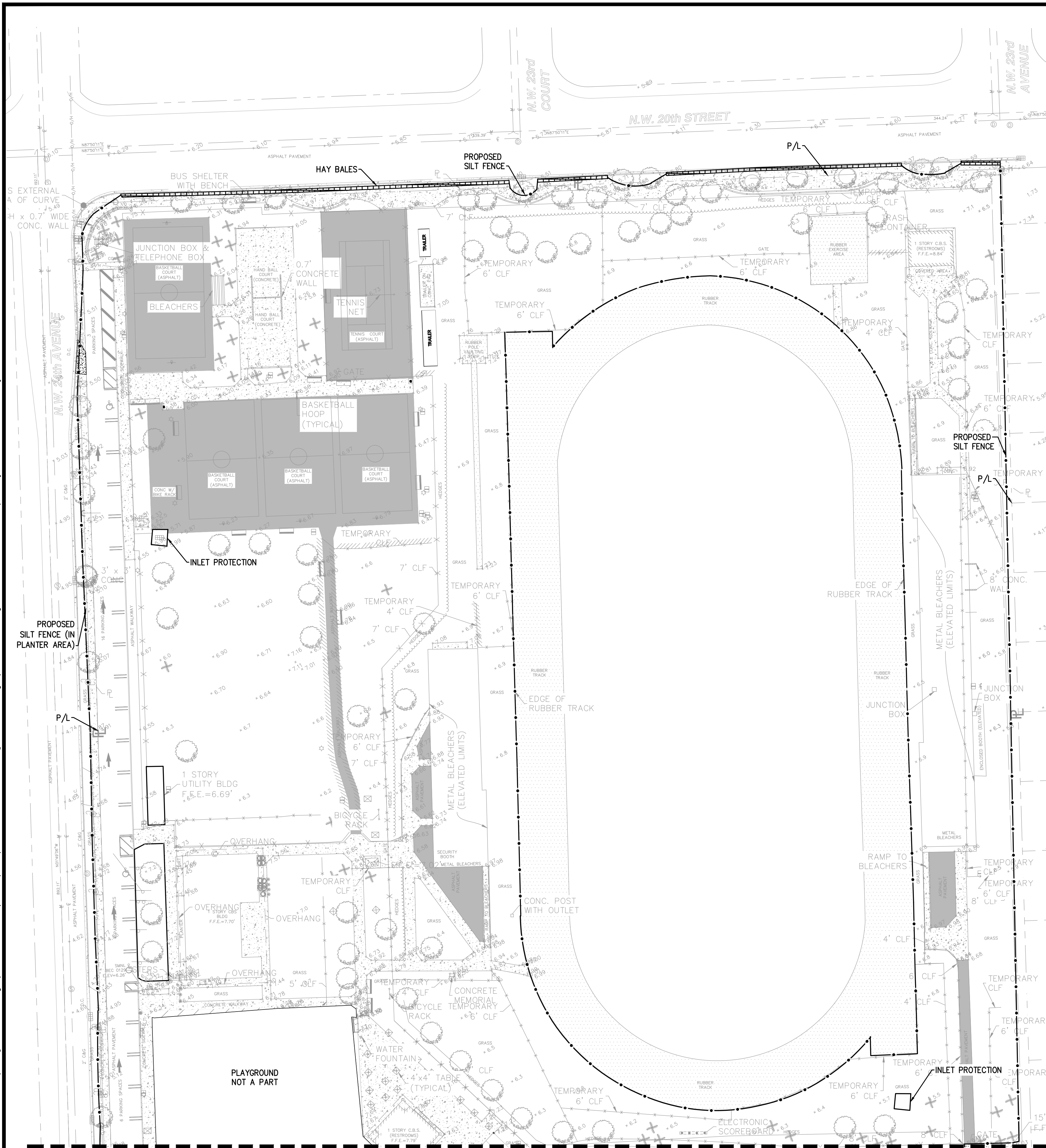
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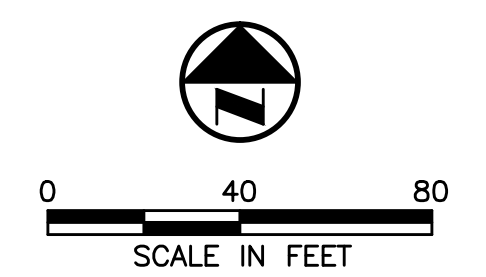
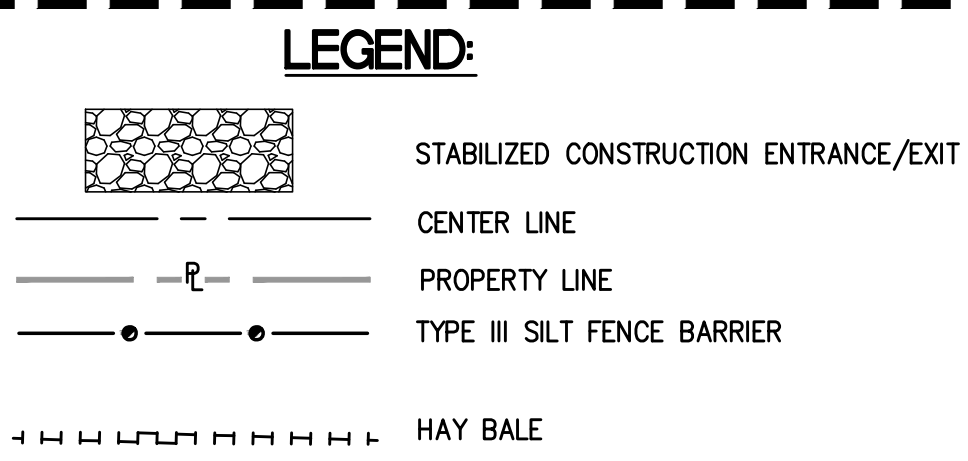
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GENERAL NOTES:

THE CONTRACTOR SHALL COMPLY WITH ALL TERMS AND CONDITIONS OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) NPDES PERMIT. IN PARTICULAR, SEDIMENT AND EROSION CONTROLS AND STORM WATER MANAGEMENT MEASURES SHALL BE STRICTLY FOLLOWED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION, SEDIMENTATION AND STORM WATER MANAGEMENT MEASURES FOR THE DURATION OF THE PROJECT. ONCE THE PROJECT HAS BEEN COMPLETED, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY STORM WATER MANAGEMENT MEASURES AND SHALL DISPOSE OF THEM ACCORDING TO CODE.

EROSION CONTROL AND GRASSING/SODDING NOTES:

1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES AS NECESSARY TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND COMPLY WITH STATE WATER QUALITY CRITERIA FOR STORMWATER DISCHARGE. EROSION CONTROL MEASURES INCLUDE BUT ARE NOT LIMITED TO TURBIDITY SCREENS, MULCHING, HAY BALES, AND SILT FENCE. IF A WATER QUALITY VIOLATION OCCURS, THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ALL DAMAGE AND ALL COSTS WHICH MAY RESULT INCLUDING LEGAL FEES, CONSTRUCTION COSTS, AND FINES.
2. DISTURBED AREAS SHALL BE SEED/GRASSED, FERTILIZED, MULCHED, AND MAINTAINED IN ACCORDANCE WITH CITY, COUNTY, STATE, AND FEDERAL REQUIREMENTS UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE NPDES FINAL STABILIZATION REQUIREMENTS.
3. EROSION CONTROL MEASURES SHALL BE MAINTAINED FOR THE ENTIRE DURATION OF THE PROJECT OR UNTIL SODDING AND/OR GRASS IS ESTABLISHED.
4. EROSION CONTROL MEASURES SHALL BE PLACED TO CONTAIN ALL POINTS OF DISCHARGE TO SURFACE WATERS OR WETLANDS INCLUDING CURB INLETS, DITCH BOTTOM INLETS, DITCHES, AND DOWNSTREAM PORTIONS OF STREAMS AND TIDAL WATERS ADJACENT TO CONSTRUCTION.
5. 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A "NOTICE OF INTENT" TO FDEP IN ACCORDANCE WITH NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM RULES AND REGULATIONS.
6. THE CONTRACTOR SHALL WRAP STORM GRATES IN FILTER FABRIC TO PREVENT SEDIMENTATION OF THE STORM SEWER SYSTEM. CONTRACTOR SHALL MAINTAIN THE FILTER FABRIC UNTIL THE ASPHALT/CONCRETE PAVEMENT IS PLACED.
7. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
8. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
9. CONTROL MEASURES IMPLEMENTED ON SITE SHALL COMPLY WITH FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) 2015 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL AND FDEP FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL.

EROSION AND SEDIMENTATION CONTROLS

1. CONTRACTOR SHALL INSTALL A TYPE III SILT FENCE, AS PER FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL AROUND THE LIMITS OF CONSTRUCTION PRIOR TO ANY DEMOLITION, FILLING OR GRADING OF ANY PORTIONS OF THE SITE.
2. A GRAVEL ACCESS ROAD SHALL BE CONSTRUCTED TO MINIMIZE THE EFFECTS OF TRUCK TRAFFIC AND SEDIMENTATION TRACKING BOTH ON AND OFF THE SITE.
3. TOP OF SOIL PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS SHALL BE STABILIZED WITH SEED AND MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA.
4. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY PERMANENTLY CEASES SHALL BE STABILIZED WITH PERMANENT SEED, SOD AND PLANTINGS NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.

OTHER CONTROLS

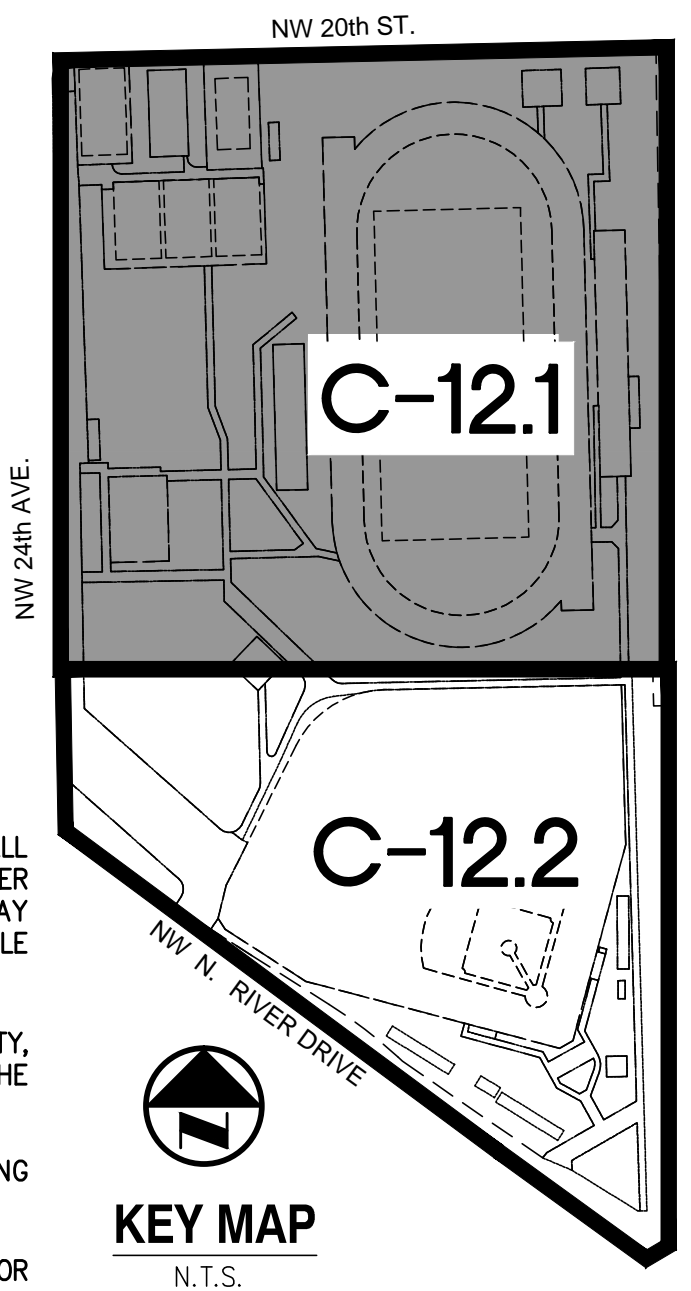
1. DUMP TRUCKS IMPORTING FILL MATERIALS TO THE SITE SHALL COVER THEIR LOADS WITH A TARPULIN TO AVOID UNNECESSARY GENERATION OF DUST.
2. ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF AS PER LOCAL AND/OR STATE REGULATIONS OR AS RECOMMENDED BY THE MANUFACTURER. SITE PERSONNEL SHALL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.
3. A STABILIZED CONSTRUCTION ENTRANCE/EXIT HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE SHALL BE SWEEPED DAILY TO REMOVE ANY EXCESS OF MUD, DIRT, OR ROCK TRACKED FROM THE SITE.
4. PROTECTIVE BARRIERS WILL BE INSTALLED AT THE PERIMETER OF PRESERVED VEGETATION AT THE COMMENCEMENT OF ANY SITE ACTIVITIES AND WILL REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION. TEMPORARY SIGNS IDENTIFYING THE PRESERVE SHALL BE PLACED AROUND THE PERIMETER DURING CONSTRUCTION.

MAINTENANCE AND INSPECTION PROCEDURES

1. THE GENERAL CONTRACTOR'S SITE SUPERINTENDENT SHALL SELECT THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION MAINTENANCE REPORT. PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES SHALL RECEIVE PROPER TRAINING IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING EROSION AND SEDIMENT CONTROLS USED ON SITE IN GOOD WORKING ORDER.
2. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSPECTED EVERY 7 DAYS OR WITHIN 24 HOURS OF A STORM OF 0.5 INCHES OR MORE IN DEPTH. ALL CONTROLS MUST BE IN GOOD OPERATING CONDITION UNTIL THE AREA THEY PROTECT HAS BEEN COMPLETELY STABILIZED AND THE CONSTRUCTION IS COMPLETED.
3. BUILT UP SEDIMENT WILL BE REMOVED FROM THE SILT FENCE WHEN IT HAS REACHED ONE THIRD OF THE HEIGHT OF THE FENCE. SILT FENCE SHALL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, IF FABRIC IS SECURELY ATTACHED TO THE FENCE POST, AND IF FENCE POST IS FIRMLY IN THE GROUND.
5. TEMPORARY AND PERMANENT SEEDING AND PLANTING SHALL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
6. THE INSPECTOR SHALL RECORD ANY DAMAGES OR DEFICIENCIES IN THE CONTROL MEASURES ON AN INSPECTION REPORT FORM PROVIDED FOR THIS PURPOSE. THESE REPORTS SHALL DOCUMENT THE INSPECTION OF ALL POLLUTION PREVENTION MEASURES AND SHALL ALSO BE USED TO REQUEST MAINTENANCE AND REPAIR. THE CONTRACTOR SHALL CORRECT DAMAGE OR PROVIDE MAINTENANCE AS RECOMMENDED BY REPORTS AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN 7 DAYS AFTER THE INSPECTION. FAILURE TO DO SO SHALL BE REPORTED TO THE FDEP.

SEQUENCE OF MAJOR ACTIVITIES

1. INSTALL TYPE III SILT FENCE OR HAY BALES AT BOUNDARIES OF PROPOSED CONSTRUCTION.
2. COMMENCE SITE CONSTRUCTION ACTIVITIES.
3. AS PROPOSED INLETS ARE CONSTRUCTED, INSTALL APPROPRIATE INLET PROTECTION AROUND EACH.
4. INSTALL TEMPORARY SEED AND MULCH IN AREAS WHERE CONSTRUCTION TEMPORARILY CEASES FOR AT LEAST 21 DAYS, NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITIES IN THAT AREA.
5. INSTALL PERMANENT SEEDING, SOD AND PLANTING IN AREAS WHERE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITIES.
6. REMOVE ACCUMULATED SEDIMENT.
7. REMOVE TEMPORARY POLLUTION PREVENTION MEASURES AFTER ALL CONSTRUCTION ON SITE HAS BEEN COMPLETED AND DISPOSE OF MATERIALS ACCORDING TO APPLICABLE FDEP REGULATIONS AND/OR LOCAL GOVERNMENTAL CODES, ETC.



KEY MAP
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REV	DESCRIPTION	DATE

SCALE: AS NOTED

FILE NAME: C-12 SPPP.DWG

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STORMWATER POLLUTION PREVENTION PLAN

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 ARCHITECT
 FL. LIC. - AP 008072

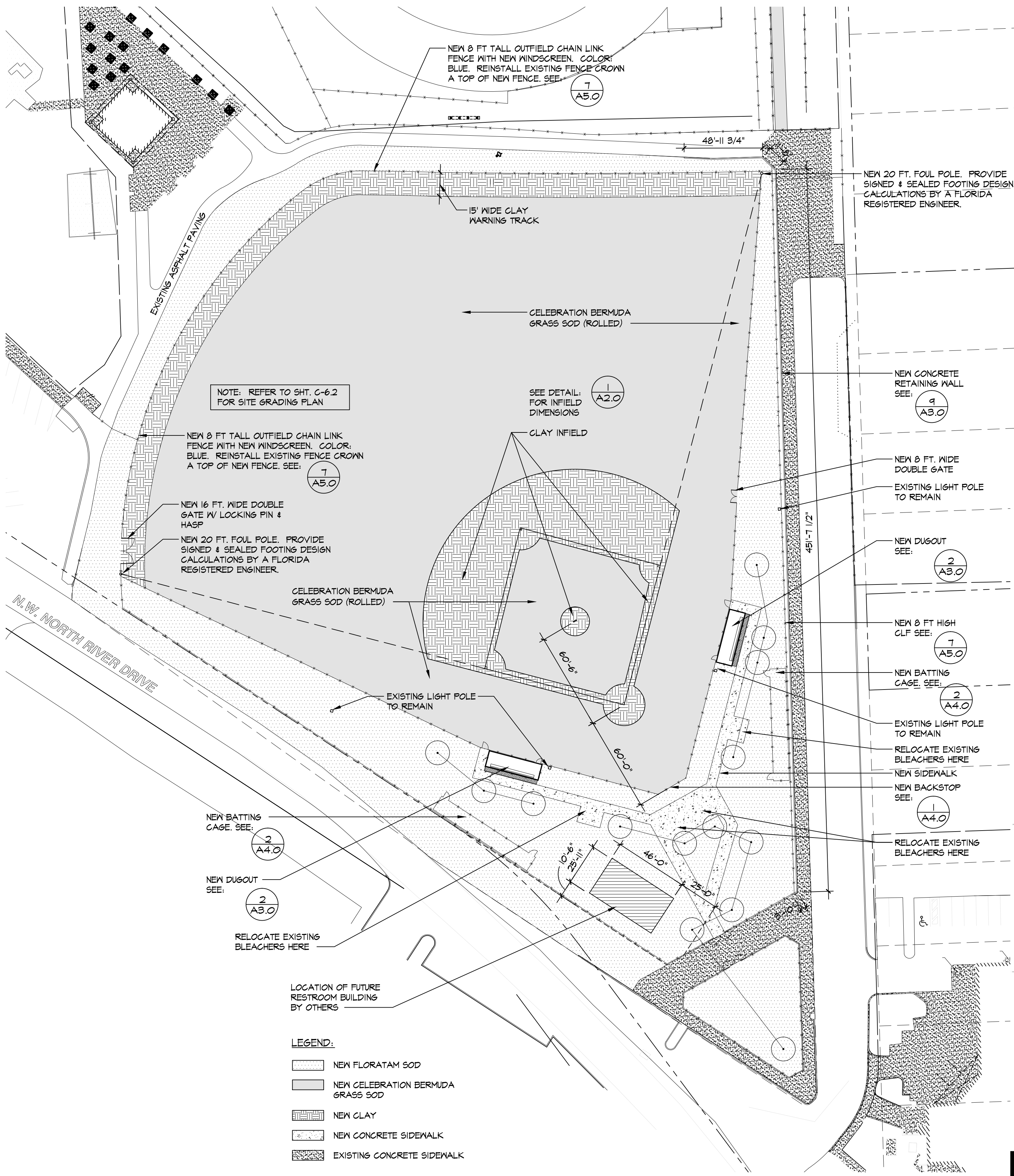
SITE PLAN
 CURTIS PARK
 1901 NW 24TH AVENUE
 MIAMI, FLORIDA

CITY OF MIAMI
 444 SW 2nd AVENUE
 MIAMI, FLORIDA 33130

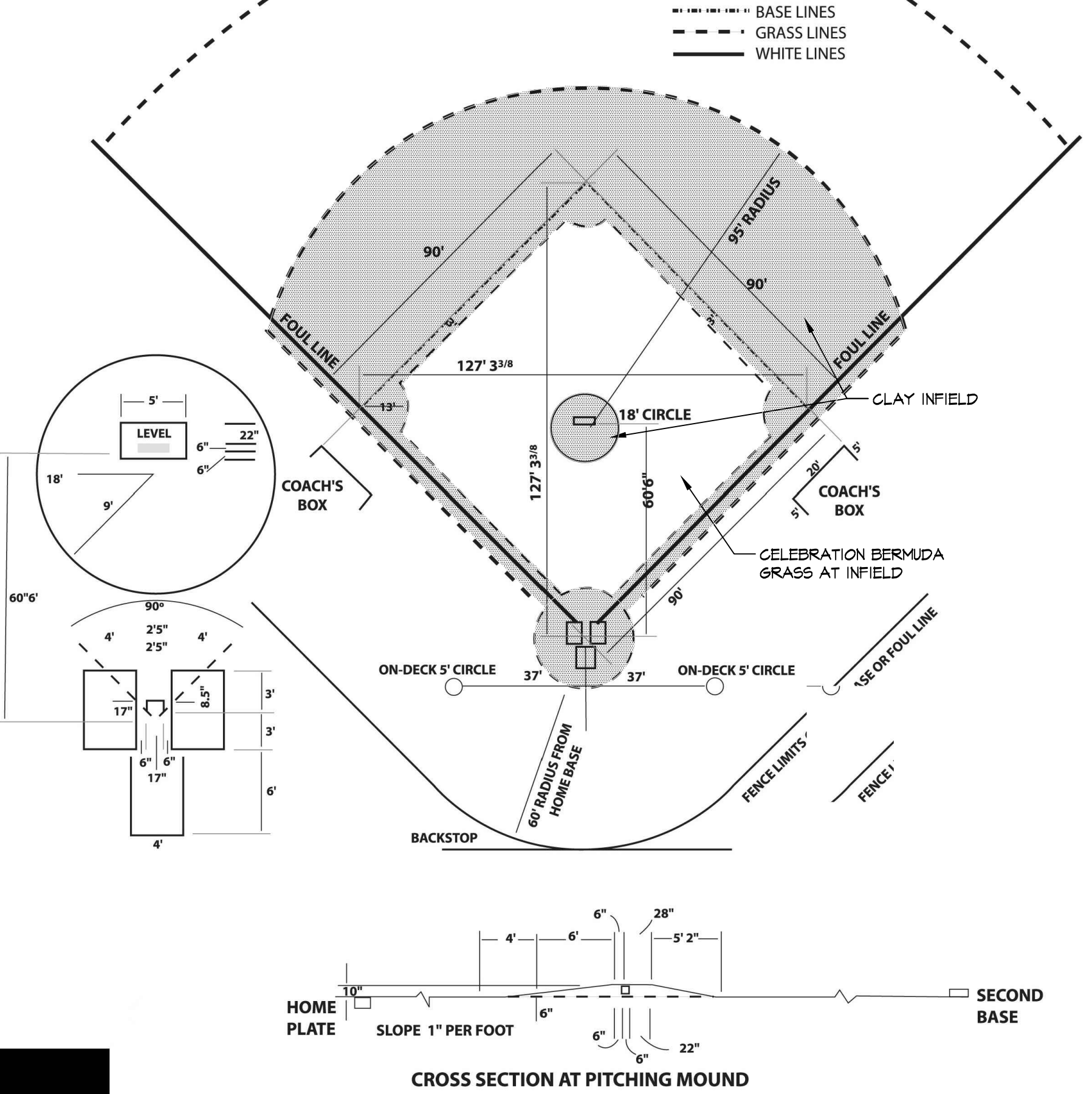
CLIENT: CITY OF MIAMI
 SCS ENGINEERS
 STEARNS, CONRAD AND SCHMIDT
 CONSULTING ENGINEERS, INC.
 7700 N. KENDALL DRIVE, SUITE 300, MIAMI, FL 33156
 PH: (305) 412-8185 FAX: (305) 412-8105
 FL CERTIFICATE OF AUTHORIZATION NO. 00004882
 PROJ. NO. 121010-46
 DATE: 07/26/2016
 SCALE: AS SHOWN
 DRAWING NO. A-2.0
 SHEET of

GENERAL SITE NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING & CARRYING OUT ALL APPROPRIATE LIFE SAFETY PRECAUTIONS, INCLUDING, BUT NOT LIMITED TO THE ERECTION OF SAFETY BARRIERS WHERE REQUIRED, MAINTENANCE OF TRAFFIC, SAFETY SIGNAGE, COMPLIANCE W/ THE TRENCH SAFETY ACT, FENCING AROUND WORK & STAGING AREAS, ETC. G.C. SHALL PROVIDE A SAFETY PLAN WHICH DELINEATES AREAS OF CONSTRUCTION AND CONSTRUCTION TRAFFIC DURING PHASES OF THE PROJECT.
2. DO NOT SCALE THE DRAWINGS. THE G.C. SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION. THE G.C. SHALL POINT OUT ALL DISCREPANCIES TO THE ARCHITECT IMMEDIATELY IN WRITING BEFORE PROCEEDING W/ THE WORK.
3. THE G.C. SHALL COORDINATE ALL TRADES BEFORE COMMENCEMENT OF WORK AND CONTINUOUSLY THROUGHOUT THE DURATION OF THE PROJECT. THE G.C. IS RESPONSIBLE TO COORDINATE ALL SPACING OF STRUCTURAL MEMBERS AND INFRASTRUCTURE CLEARANCES.
4. ALL WORK SHALL BE CONSTRUCTED PER F.B.C. 2014 EDITION W/ CURRENT AMENDMENTS, THE 2014 F.B.C. - ACCESSIBILITY, N.F.P.A. 101, LATEST ED., O.S.H.A. (LATEST ED.), THE FLORIDA FIRE PREVENTION CODE, MIAMI 21, & THE CURRENT EDITION OF ALL APPLICABLE CODES & ORDINANCES HAVING JURISDICTION, AND WITH THE REQUIREMENTS OF THE UTILITY COMPANIES WHOSE SERVICES SHALL BE IMPACTED.
5. ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND COMMENT PRIOR TO FABRICATION. SHOP DRAWINGS SUBMITTED FOR REVIEW SHALL BEAR THE CONTRACTOR'S REVIEW STAMP & SIGNATURE ATTESTING THAT THE CONTRACTOR REVIEWED AND COMMENTED UPON SAID SHOP DRAWINGS. SHOP DRAWINGS NOT BEARING THE CONTRACTOR'S REVIEW STAMP AND SIGNATURE SHALL BE RETURNED "UNREVIEWED."
6. ALL WOOD IN CONTACT WITH MASONRY SHALL BE PRESSURE TREATED.
7. EXACT LOCATIONS OF UNDERGROUND UTILITIES SHALL BE FIELD-VERIFIED BY THE CONTRACTOR PRIOR TO ANY SUBSURFACE OPERATIONS OR EXCAVATION. CALL "SUNSHINE" AT 1 (800) 432-4TTO AT LEAST 48 HRS IN ADVANCE OF DIGGING.
8. IMPORTANT! ALL MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS SHOWN ON THE DRAWINGS ARE SCHEMATIC IN NATURE. THE CONTRACTOR SHALL COORDINATE BETWEEN THE TRADES FOR ALL REQ'D CLEARANCES, SIZES OF EQUIPMENT, ACCESS WIDTHS REQ'D, LOCATIONS, ETC. ANY & ALL VISIBLE DISCREPANCIES SHALL BE INDICATED TO THE ARCHITECT IN WRITING PRIOR TO THE BID DATE.
9. AT ALL NEW SIDEWALKS, THE ADJACENT GRADES TO RECEIVE SOD SHALL BE NO GREATER THAN 2" BELOW THE FINISH ELEVATION OF THE SIDEWALK SURFACE. TOPSOIL & SOD SHALL BE LAID TO ENSURE THAT THE TOP OF THE SIDEWALK SURFACE & THE SOD FLUSH-OUT W/ EACH OTHER.
10. THE G.C. SHALL BE RESPONSIBLE FOR OBTAINING ANY/ ALL EXISTING RECORD DRAWINGS OF "AS-BUILT" CONDITIONS, AND, BASED ON THAT INFORMATION, CONFIRMING ALL KNOWN ABOVE AND BELOW SURFACE CONDITIONS PRIOR TO COMMENCING WORK. IF IT IS DETERMINED THAT CONFLICTS IN THE WORK WILL RESULT, THE G.C. IS TO NOTIFY THE ARCHITECT IN WRITING PRIOR TO COMMENCING WORK IN THAT AREA.
11. THE G.C. SHALL SCHEDULE WORK & COORDINATE W/ THE CITY OF MIAMI TO MINIMIZE THE NUMBERS OF PARK OPERATIONS INTERRUPTED DURING ANY WORK PERIOD. ALL EXISTING UTILITIES SHALL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION UNLESS PREVIOUSLY APPROVED BY THE OWNER & ARCHITECT IN WRITING. THE CITY'S REPRESENTATIVE SHALL BE CONTACTED TO SIGN-OFF IN ADVANCE FOR ALL INTERRUPTIONS OF UTILITIES SERVICES.
12. TRENCH SAFETY ACT. PROVIDE TRENCH SAFETY SYSTEMS @ ALL TRENCH EXCAVATIONS WHERE WORKERS MAY BE EXPOSED TO MOVING GROUND OR CAVE-INS REGARDLESS OF DEPTH OF TRENCH. ALL TRENCHES MORE THAN 5'-0" IN DEPTH SHALL COMPLY W/ THE "TRENCH SAFETY ACT," SECTIONS 559.60 THROUGH 559.64 FLORIDA STATUTES.
13. REMOVE DEBRIS & CLEAN AREAS OF THE PROJECT SITE CONTAINING CONSTRUCTION MATERIALS, DEBRIS, AND SPILLS ON A DAILY BASIS TO THE SATISFACTION OF THE ARCHITECT. DISPOSE USING COVERED RUBBISH CONTAINERS.



Baseball Field Dimed Dimensions



BASEBALL FIELD SITE PLAN
 SCALE: 1" = 40'-0"

BASEBALL INFIELD DIMENSIONS
 SCALE: 1" = 40'-0"

BID SET

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Celebration Bermudagrass

1. Baseball Field Turf Grass - Celebration Bermudagrass

A. Turf grass for both the baseball infield and outfield, shall be Celebration Bermudagrass. No substitutions will be entertained. The Celebration name and logo are trademarks of Sod Solutions, Inc., Mount Pleasant, SC http://www.sodsolutions.com/where_to_buy

B. Celebration Bermudagrass sod shall be delivered to the jobsite in rolls, not pallets. Bermuda sod shall be "BIG" roll sod, minimum of 42" in width. Thickness of cut shall be maximum 1/2" thick at the time of cutting.

C. The Contractor shall be responsible for placing the sod properly, and shall maintain the Celebration Bermudagrass for a period of 90 days after final completion and the project has been accepted by the City of Miami. Cost associated with this work shall be included in the Contractor's Base Bid price.

D. Certificates:

- 1) Submit certificates from supplier stating the delivered topsoil mix, sod, and other landscaping materials comply with requirements specified.
- 2) Deliver certificates upon final completion of the installation.

E. Quality Assurance

- 1) Sod shall comply with Florida Department of Agriculture quarantine requirements.
- 2) The sod supplier shall certify on the invoice that the sod product is Celebration Bermudagrass.
- 3) Celebration Bermudagrass sod shall be Florida or Georgia grown consisting of sand grown grass turf, certified as being true to variety and having healthy vigorous root system. Sod shall be grown in soils that contain a minimum of 70 percent grade sand.
- 4) Sod shall be healthy, thick turf having undergone a program of regular fertilization and a two month pre-harvest fertilization program. Sod shall be a minimum of one year old at the time of installation.
- 5) Before sod is installed, test topsoil and amend the topsoil as recommended by the testing lab to verify topsoil pH is between 6.0 and 6.5 and is suitable for intended use. Cost of testing lab is to be borne by the Contractor.

2. Topsoil

A. Athletic Field Topsoil Mixture:

1.) Sand Component:

- a. Sands shall be clean, sharp, natural sands, predominantly silica in nature.
- b. The sand shall have the following particle size distribution using the USDA classification system:

PARTICLE NAME	SIZE (MM)	ALLOWABLE
Gravel	(2.00-4.75)	Combined
Very Coarse Sand	(1.00-2.00)	Less than 12%
Coarse	(0.50-1.00)	Combined
Medium Sand	(0.25-0.50)	60-80%
Fine Sand	(0.10-0.25)	0-20%
Very Fine Sand	(0.05-0.10)	0-5%
Total Sand		90-100%

Silt	(0.002-0.05)	1-10%*
Clay	(minus 0.002)	1-10%*

(* Silt and clay combined shall not exceed 12 percent)

c. The sand shall have a pH less than 7.6 and a soluble salt value of less than 2.5 mmols/cm.

2. Soil/organic Component:

- a. A muck type soil shall be used. The soil shall have a USDA soil texture classification of loam, sandy clay loam, or sandy loam.
- b. The soil shall contain 15 to 30 percent by weight organic matter (ASTM D 2974 Method C).
- c. The soil shall have a pH between 5.5 and 7.5.
- d. The soil shall have a soluble salt content less than 3.0 mmols/cm.

3. Athletic Field Topsoil Mixture:

- a. The athletic field topsoil mixture shall be a blended soil consisting of the approved sand and the approved soil/organic amendment material. Thorough blending using soil blending is required. Material shall be blended off-site.
- b. Blend volumes of sand: Soil shall be in the range of 5 parts sand: 1 part soil/organic to 2 parts sand: 1 part soil/organic.
 - 1) The blending volumes of sand to soil/organic amendment shall be determined by a laboratory using United States Golf Association methods and accredited by the American Association for Laboratory Accreditation. The contractor shall be provided a list of approved laboratories.

c. Blended soils shall meet the following specifications:

Infiltration rate (K-sat)	4 - 6 inches/hr.
Total Porosity	35 - 55%
Aeration Porosity	15 - 30%
Capillary Porosity	12 - 25%

- d. Provide organic matter analysis on laboratory blended material and on field blended athletic field topsoil batches of each 1,000 cu. yds. Field blended batches shall not vary by more than + 1.0 point from the laboratory blend.

3. Warranty

A. Contractor is to replace, at no additional cost to the City, grass areas in unsightly or damaged condition, for 90 days after final completion. Replace dead grass at no additional cost to the City for one year.

4. Installation and Establishment of Celebration Bermudagrass:

A. Installation and the care taken during the initial days that follow are the most critical factors in determining the long-term quality and performance of Celebration Bermudagrass. Harvesting and transplanting is extremely stressful to any turfgrass and precautionary measures should be taken to help reduce further cultural and environmental stresses. **Proper care, including pre-installation soil preparation and limiting time from harvest to delivery to the job site to less than 24 hours, yields positive results. Improper care, however, can cause death of the turfgrass or damage that results in lengthy recovery and additional expense.**

5. Irrigating Newly Installed Celebration Bermudagrass:

A. Proper watering upon installation is essential to successful establishment.

- 1) Prior to installation, ensure irrigation systems are working properly and covering all areas to be planted.
- 2) Water thoroughly upon installation ensuring that both the Celebration is wet and the soil is moist to a depth of 3".
- 3) In hot weather, water within a few hours of installation to mitigate severe damage or loss due to heat / dehydration stress.
- 4) To promote root establishment, water as needed to maintain moist soil to a depth of 3" for the first 1-2 weeks.
- 5) When proper rooting is evident, alter irrigation program accordingly (see Post Establishment Irrigation, below.)

B. Irrigate the newly planted grass until final completion. Irrigation shall occur in sufficient quantity to insure the orderly establishment of the grass.

6 Mowing:

A. New installations are often uneven and care should be taken not to scalp high spots:

- 1) Mow within 10 days of installation and bag clippings the first few mowings. (See Post Establishment Mowing below)

7. Starter Fertilization:

- A. Use a transplant-friendly regimen that will help reduce shock and minimize disease.
- 1) Use a starter fertilizer, designed specifically for new Bermuda grass, that is low in Nitrogen and higher in Phosphorous and Potassium.
 - 2) Commercial grade fertilizer shall be uniform in composition, dry, free flowing, and delivered to site in fully labeled, unopened containers, bearing name, trade name or trademark and warranty of producer.
 - 3) Fertilizers shall comply with applicable State and Federal law.
 - 4) At least 50 percent of the nitrogen content shall be derived from natural organic sources and potash derived from sulphate of potash.
 - 5) Each container of fertilizer shall bear manufacturer's statement of analysis or a manufacturer's certificate of compliance shall be submitted to the A/E upon delivery to the site.

8. Post Establishment Mowing:

- A. Mowing is a critical cultural practice.
- Maintain Celebration at 0.5-2" (1" is optimal). Heights above 2" will reduce quality.
 - Rotary mowers are preferred for heights 1" or higher. Reel mowers are preferred for heights below 1".
 - Mow every 5-7 days during the active growing season. Mow every 10-14 days, or as needed, during cooler weather.
 - Never cut more than 1/3 of the total length of the blade at any one mowing.
 - If a scheduled mowing is missed and clippings clump on top of the Celebration, bag or vacuum clippings to reduce shadeout.
 - Vertical mowing (verticutting) may be performed to renovate Celebration.

9. Irrigation:

- A. Established Celebration exhibits drought tolerance due to improved plant genetics and growth characteristics:
- Watering requirements are greatly dependent on soil type, season, geography and other factors.
 - Ensure irrigation systems are working properly and covering all areas covered by Celebration.
 - Encourage deep root growth by watering until the soil is moist to a depth of 3"; shallow watering encourages shallow roots. Infrequent deep watering maximizes drought resistance and tolerance

10. Fertilization of established Celebration Bermudagrass:

- A. Proper fertility practices will encourage healthy, disease and insect free Celebration:
- Higher Nitrogen rates should only be applied in the spring, for injury recovery, or for planned "peaking" of Celebration. Apply lower rates of Nitrogen in the summer and fall.
 - Recommended fertilizers include products lower in Nitrogen and higher in Phosphorous and Potassium. Higher N rates should only be applied in the spring, for injury recovery, or for planned "peaking". Apply lower rates of N in summer and fall.

TREE RELOCATION

1. SUBMITTALS

- A. Obtain permits required by authority having jurisdiction.

2. QUALITY ASSURANCE

- A. The Contractor's crew used for the relocation of existing trees shall have minimum 10 years of experience in relocation of existing plant materials and be recognized by the American Association of Nurserymen.
- A. Unless otherwise specified, tree transplanting shall comply with NAA Ref. 1.
 - B. Comply with NAA standards for pruning.
 - C. Recommend procedures to compensate for loss of roots (if any) and perform initial pruning of branches and stimulation of root growth where removed to accommodate new construction.
 - D. Evaluate existing trees and verify trees are free of disease and ready to survive relocation from the site to their new location on-site or off-site.

3. DELIVERY, STORAGE, AND HANDLING

- A. Properly handle trees during moving so trunks will not be scarred or damaged and to avoid broken limbs. Broken limbs not causing the tree to be rejected shall be repaired as follows:
1. Properly prune dead, dying, or damaged branches with clean, sharp equipment.
 2. Remove injured bark and wood of a tree wound with a clean, sharp knife to a point where healthy bark and wood make contact at their margins.
 3. Inspect and treat wound for insect and disease.
 4. Seal wounds with bituminous base wound paint for all oak limbs greater than 3 inch diameter.
- B. Transport trees on vehicles of adequate size to prevent overcrowding, broken limbs, foliage damage, or root ball damage.
 - C. Keep root balls moist during relocation.
 - D. Protect tree crowns with shade cloth to prevent desiccation and wind burn. Crowns shall be periodically sprayed with water to help ensure against desiccation.
 - E. Handle plant material only in ways and means accepted by the landscaping industry and accepted by the A/E.
 - F. Plant material shall be planted the same day it is dug. Coordinate preparation of planting pits or beds to ensure this schedule.

4. MAINTENANCE

- A. Maintain relocated plant materials immediately after each item is planted and continued until the 90 day watering period is completed, upon which time the Owner will take over maintenance of materials following procedures and recommendations of contractor and specifications.

5. MATERIALS

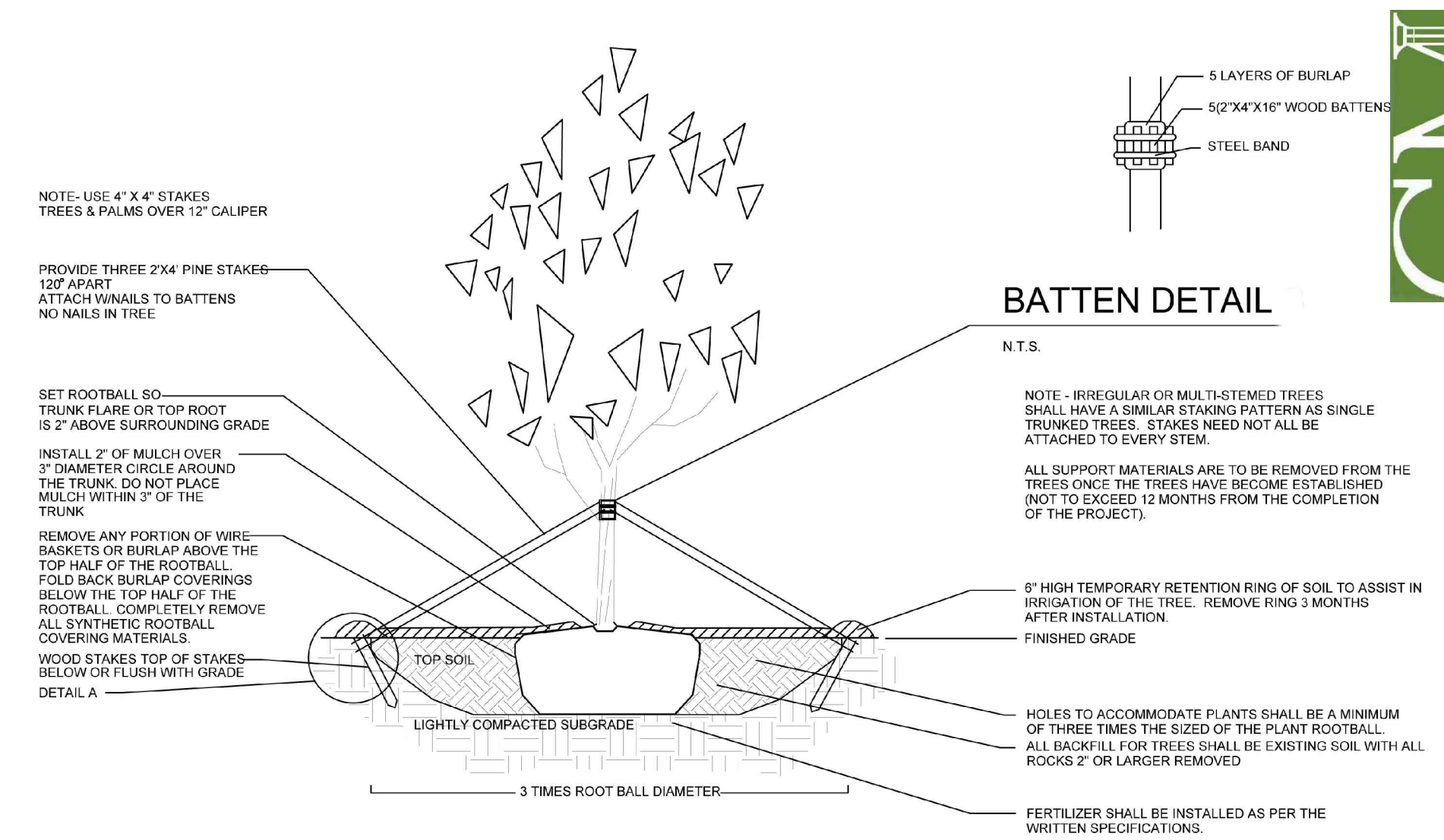
- A. Bone meal shall be readily available steamed bone meal, useable as a natural organic nitrogen fertilizer.
- B. Peel moss, topsoil, planting soil, mulch, staking, and guying, shall be as noted on the drawings.

6. TRANSPLANTATION

- A. Transplanting shall consist of on-site transplanting of existing trees from proposed construction areas to permanent positions as noted on the drawings.
- B. Digging, Wrapping, and Handling: Plants shall be dug and prepared for moving in a manner that will not cause damage to branches, shape, root system, and development.
- C. Balled and Burlapped Plants:
1. Balls shall be firmly wrapped with burlap or accepted cloth substitute.
 2. No balled plant will be acceptable if the ball is cracked and broken or if the stem or trunk is loose in the ball, either before or during transplanting.
 3. Balled plants shall be lifted and handled from the bottom of the ball.
 4. Protect ball and deliver to the site, plant immediately, and water thoroughly.
 5. Ball sizes shall be as recommended in ANSI Z60.1

7. PLANTING

- A. Relocated Material:
1. Verify final grades have been established before planting operations. Ensure proposed planting pits drain by test-filling with water before transplanting.
 2. Continue watering and caring for relocated material as specified.
 3. Mulch tree pit areas to reduce weeds, discourage foot traffic, conserve moisture, and minimize temperature fluctuations.
 4. Brace trunk and leave in place for approximately one year until trees are wind firm.
 5. Wrap trunks and structural branches of thin-barked trees to protect against sun scald and dehydration. Retain through at least one growing season, and through cold season.
 6. Feed with a diluted solution of N-P-K in solution form with a soil needle, providing water, air, and nutrients.
 7. Where foliage is retarded, spray with one of the soluble types of foliage feeders.
 8. At time of planting, fill air pockets and keep roots, especially feeder roots, moist, live, and healthy. Use soil needles for watering new transplants. Direct fine spray at foliage to help harden-off new leaves.



1 PLANTING & BRACING DETAIL OVER 3 1/2" CALIPER
A-6.0 N.T.S.

8. STAKING AND GUYING

- A. Stake and guy designated material according to procedures described on the drawings.

9. WATERING

- A. Following transplantation, water trees daily for the first two weeks, every other day for the next three weeks, and every third day for the balance of the three month watering/maintenance period. Such watering shall thoroughly saturate the root ball to its full depth.
- B. Following relocation, trees designated for transplanting shall be watered as specified. Such watering shall thoroughly saturate the root ball to its full depth.
- C. Provide manual watering of relocated plant materials for 90 days. If used, after watering period, Contractor shall be responsible for the complete removal of all temporary watering systems.

10. ROOT PREPARATION

- A. Trees to be relocated shall be root pruned at least 45 days before digging with clean, sharp equipment.
1. Maintain root pruned materials by watering, weeding, mowing, spraying, fertilizing, and other horticulture practices.
 2. After root pruning, backfill with good rooting medium, fertilize with organic fertilizer to promote root growth.
 3. Mulch to reduce weeds, discourage foot traffic, conserve moisture, and minimize temperature fluctuation.
- B. Root Ball Size Chart: Root ball sizes shall be according to minimum standard set forth in Grades and Standards for Nursery Plants Part II, Palms and Trees, Florida Department of Agriculture.

11. CROWN PREPARATION

- A. Shade and Flowering Trees:
1. Shade Trees: Selectively prune and thin crown to remove approximately one third of the branches. Preserve the basic shape and form of the tree, eliminate cross-branching and dead or diseased branches.
 2. Hand strip selected species of all leaves following pruning and before moving.

12. HAND DIGGING

- A. Burlapping is required. Trees that are burlapped for relocation shall comply and be handled in same manner as new plant material specified in Section 02900.

13. SPECIAL CONDITIONS

- A. Multi-Trunk Trees: Relocate multi-trunk tree as one unit. Measure unit by taking the aggregate total of all DBH measurements.
- B. Multi-Trunk Palms: Relocate multi-trunk palms as one unit. Unit shall be measured as follows:
1. 50 percent of the value in dollars of the largest trunk in the grouping times the number of trunks in the clump.
- C. On-site relocation:
1. On-site relocation shall include root pruning, canopy pruning, on-site transportation, hauling and dumping of debris, and 90-day maintenance.
 2. If the tree should die within the 90 day maintenance period, remove the tree, replace the material, and restore the site at no additional cost to the City of Miami.

INFIELD AND WARNING TRACK CLAY

1. DESCRIPTION

This specification describes the minimum acceptable standards for infield mix to be supplied and spread by the Contractor.

2. MATERIALS

- A. Baseball infield mix shall be free of any stones over (1/4") in any dimension.

Sieve Analysis:

Size	Percent Passing
#4	100.0
#10	89.9
#20	85.9
#40	79.6
#60	64.2
#100	45.4
#200	38.4

It shall contain no organic matter and meet the following mechanical analysis:

Soil Classification Range:	
Sand (2.0-0.05mm)	50%-70%
Silt (0.05-0.002mm)	12%-22%
Clay (less than 0.002mm)	10%-16%

B. Recommended products or approved equals:

1. "Diamond Dirt" Supplier: Baseball / Softball Ball Diamond Infield Mix TURF & Dirt, 5909 Forest Court Eldersburg, MD 21784 410-352-5027
Plant: Old Randolstown Quarry
Location: Marriottsville, Md.
2. "Home Run" Supplier: Infield Baseball Mix Blue Mount Quarry, Inc. 30 Stenersen Lane Cockeysville, Md. 21030
3. "Baseball Clay and Mound Clay" Supplier: C.C. Calloun, Inc. 3750 W. Lake Hamilton Dr. Winterhaven, FL 33881 863-292-9511
4. "Baseball Clay" Supplier: Pro-Grounds Products 8834 SW 131 St. Miami, FL 33176 305-235-5101
5. "Baseball Clay and Mound Clay" Supplier: Blue Mount Quarry, Inc. 1112 E. Copeland Rd. Suite 500 Arlington, Tx. 76011 800-228-2987

3. SUBMITTALS

- A. Provide clay soils supplier's product specifications for A/E review and approval.

4. CONSTRUCTION

- A. Baseball infield soil shall be delivered to the sites and spread in front of the fine graded backstop and elsewhere on the infield as needed:
1. Establish arc of field. To be done based on the placement location of the home plate and pitching rubber.
 2. Excavate infield and warning track to a depth of 2". Resulting materials, unless otherwise agreed upon, shall be removed from the site and replaced with approved material.
 3. The "lip" area (edge between dirt and grass) is to be worked as to create a smooth transition between the infield and the outfield. This may entail re-grading the "lip" area.
 4. Spread new infield mix and incorporate into infield as shown on the drawings. Infield material to be 2-1/2" thick, "Diamond Dirt" or approved equal.
 5. Infield shall be leveled to match the surrounding grades and backstops.
 6. Skinned area is then to receive calcined clay. This is to be mixed into the top 1-1/2". Approved material suppliers are Turface MVP, Diamond Pro, Soil Master or other approved material suppliers.
 7. The infield shall then be rolled light with a minimum weight of 250 lbs. per linear foot and a maximum of 500 lbs. per linear foot. Example: a 6'-0" roller is to weigh between 1500 and 3000 lbs.
 8. New pitching rubbers and home plates are to be constructed per the drawings and installed. Home plate is to be set at 20' from the backstop and pitching rubbers are to be set at 60'-6", measuring from the white point of home plate to the front edge of the pitching rubber.
 9. The wear areas at the mound (50 sq. ft.) and the home plate area (75 sq. ft.) are to be constructed with special mound and home plate clays. They are to be a minimum of 4" thick if using loose bagged material. Approved materials suppliers are Diamond Pro, Turface, Stabilizer Solutions or other pro-approved material suppliers.
 10. A final light top dressing (1/4") of calcined clay is to be applied to infield and then rolled by the same method as in item (6) above.

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CHK. BY	DESCRIPTION	DATE	REV

SHEET TITLE	LANDSCAPE DETAILS AND NOTES
PROJECT TITLE	CURTIS PARK
	1901 NW 24TH AVENUE
	MIAMI, FLORIDA

CLIENT	CITY OF MIAMI
	444 SW 2nd AVENUE
	MIAMI, FLORIDA 33130

SCS ENGINEERS	STEARN, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC.	7700 N. KENDALL DRIVE, SUITE 300, MIAMI, FL 33156	PH: (305) 412-8185 FAX: (305) 412-8105	FL CERTIFICATE OF AUTHORIZATION NO. 00004882	DATE: 07/26/16
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CADD FILE:	DATE: 07.26.2016
SCALE: AS SHOWN	DRAWING NO. A-6.0
SHEET of	

IRRIGATION NOTES & SPECIFICATIONS

AUTOMATIC IRRIGATION SYSTEM
 WATER DEMAND / ZONE REFER TO PLAN
 WATER SOURCE EXISTING SYSTEM
 PRESSURE REQUIRED 70 PSI
 PUMPING CAPACITY 15 HP

GENERAL

IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES, CONTRACT DRAWINGS, CONTRACT SPECIFICATIONS, AND APPENDIX "F" OF THE FLORIDA BUILDING CODE.

IRRIGATION DESIGN BASED ON "SITE PLAN" DATED DECEMBER 2015.

THIS IRRIGATION PLAN SHALL BE USED AS A GUIDE ONLY. CONTRACTOR SHALL INSTALL IRRIGATION TO MATCH ON SITE CONDITIONS AND TO OVERCOME THE INHERENT INACCURACIES THAT RESULT WHEN DESIGNING FROM BASE PLANS SCALED AT 1" = 40'.

THE SOURCE SHALL BE AN EXISTING PUMP DRAWING WATER FROM A WELL. THE LOCATION OF THE POINT-OF-CONNECTION TO EXISTING MAIN LINE AND CONTROL WIRES SHALL BE VERIFIED ON SITE.

THIS IRRIGATION HAS BEEN DESIGNED AS A TYPICAL BLOCK VALVE TYPE USING RAIN BIRD SPRINKLERS AND IN-LINE VALVES. AN EXISTING CONTROL SYSTEM SHALL BE UTILIZED. A RAIN SENSOR SHALL BE INSTALLED (IF REQUIRED) TO CONSERVE WATER.

IRRIGATION SHALL BE INSTALLED AND MAINTAINED TO MINIMIZE UNDESIRABLE OVERTHROW ONTO PAVEMENT, SIDEWALKS, AND BUILDINGS.

CONTRACTOR IS ADVISED TO STUDY THE PLANS FOR ADDITIONAL INFORMATION AND TO VISIT THE SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS.

TO INSURE PROPER OPERATION, VALVE SIZES, ZONE CAPACITIES, SPRINKLER SPACING, PIPE AND WIRE SIZES, AND INSTALLATION NOTES AND DETAILS SHALL BE FOLLOWED AS SHOWN.

PIPING

PIPE ROUTING IS SCHEMATIC ONLY AND SHALL BE ADJUSTED FOR ON SITE CONDITIONS.

PIPE SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES, SECTION "F" OF THE FLORIDA BUILDING CODE, AND PIPE MANUFACTURER'S INSTRUCTIONS.

PIPE ROUTED UNDER HARDSCAPED AREAS SHALL BE SLEEVED IN SCH 40 PVC. EACH SLEEVE SHALL BE: (1) BURIED TO A MINIMUM DEPTH OF 24", (2) TWO PIPE SIZES LARGER THAN CARRIER PIPE, AND (3) EXTENDED 3' BEYOND HARDSCAPED AREA ON EACH END.

ALL PIPE AND FITTINGS SHALL BE SCH 40 TYPE 1120 PVC.

PIPE SIZED TO LIMIT FLOW VELOCITIES TO 5 FEET/SECOND AND TO LIMIT FRICTION LOSS IN THE PIPING NETWORK.

PIPE SHALL BE INSTALLED AT SUFFICIENT DEPTH BELOW GROUND TO PROTECT IT FROM HAZARD SUCH AS VEHICULAR TRAFFIC OR ROUTINE OCCURRENCES WHICH OCCUR IN THE NORMAL USE AND MAINTENANCE OF THE PROPERTY. DEPTHS OF COVER SHALL MEET OR EXCEED SCS CODE 430-DD. REFER TO THE APPLICABLE DETAIL FOR ADDITIONAL INFORMATION.

BACKFILL SHALL BE OF SUITABLE MATERIAL, FREE OF ROCKS, STONES, AND OTHER DEBRIS THAT WOULD DAMAGE IRRIGATION SYSTEM COMPONENTS.

A GATE VALVE SHALL BE INSTALLED FOR ISOLATION. THIS VALVE SHALL BE TO LINE SIZE AND INSTALLED IN A VALVE BOX. POROUS MATERIAL SHALL BE INSTALLED PER BOX TO PROMOTE DRAINAGE.

AN AIR RELIEF VALVE SHALL BE INSTALLED IN THE SYSTEM TO PROTECT THE PIPING NETWORK FROM EXCESSIVE PRESSURES THAT DEVELOP WHEN ENTRAPPED AIR IS COMPRESSED. THIS VALVE SHALL BE INSTALLED IN A VALVE BOX.

SPRINKLERS/QUICK COUPLERS

SPRINKLER LOCATIONS ARE SCHEMATIC ONLY AND SHALL BE ADJUSTED FOR LANDSCAPING, FENCES, SITE LIGHTING, PREVAILING WIND, MOUNDING, ETC., TO ENSURE PROPER COVERAGE WITH MINIMAL UNDESIRABLE OVERTHROW. A PRIME OBJECTIVE SHALL BE TO ELIMINATE OVERTHROW ONTO PAVEMENT, SIDEWALKS, AND BUILDINGS.

ROTOR HEADS SHALL BE RAIN BIRD 5004 AND 6504 SERIES WHICH SHALL BE INSTALLED ON PRE-FABRICATED PVC SWING JOINTS MANUFACTURED BY RAIN BIRD OR APPROVED EQUAL. ROTORS IRRIGATING THE CLAY IN FIELD SHALL BE HIGH SPEED TYPE WITH STAINLESS STEEL RISER.

ADJUSTMENT FEATURES OF SPRINKLERS SPECIFIED SHALL BE UTILIZED TO ENSURE PROPER COVERAGE WITH MINIMAL UNDESIRABLE OVERTHROW.

SPRINKLERS LOCATED ADJACENT TO HARDSCAPED AREAS SHALL BE INSTALLED AWAY FROM HARDSCAPED AREAS TO MINIMIZE OVERTHROW AND THE CHANCE OF DAMAGE BY VEHICLES, PEDESTRIANS, AND LAWN MAINTENANCE PERSONNEL. AS A GENERAL RULE, ROTOR HEADS SHALL BE INSTALLED IN 6".

QUICK COUPLING VALVES SHALL BE INSTALLED FOR OUTLETS FOR SUPPLEMENTAL HAND WATERING. EACH QUICK COUPLING VALVE SHALL BE INSTALLED ON A PRE-FABRICATED SWING JOINT AND IN A VALVE BOX. POROUS MATERIAL SHALL BE INSTALLED PER VALVE BOX TO INSURE PRECOLATION.

CONTROL SYSTEM

SPARE STATIONS ON AN EXISTING RAIN BIRD ESP-24LX SHALL BE USED TO CONTROL NEW IRRIGATION. A RAIN SENSOR SHALL BE INSTALLED IF NOT EXISTING.

NEW CONTROL LINES FROM AUTOMATIC CONTROLLER TO IN-LINE AUTOMATIC VALVES SHALL BE #14 AWG THIN FEED TYPE WHICH SHALL BE: (1) INSTALLED IN ACCORDANCE WITH LOCAL CODES, (2) INSTALLED IN CONDUIT, (3) BURIED TO A MINIMUM DEPTH OF 15", (4) COLOR CODED TO FACILITATE TROUBLESHOOTING, AND (5) SPLICED MOSTLY AT VALVE LOCATIONS. SPLICES SHALL BE MADE WATERPROOF USING APPROVED METHODS. SPARE WIRES SHALL BE ROUTED FROM THE CONTROLLER IN ALL DIRECTIONS TO THE FARTHEST VALVES CONTROLLED.

CONTRACTOR SHALL BE REQUIRED TO EVALUATE EXISTING CONTROL WIRES TO DETERMINE HOW MANY WIRES ARE AVAILABLE AND USEABLE.

AUTOMATIC VALVE LOCATIONS ARE SCHEMATIC ONLY AND SHALL BE ADJUSTED FOR ON SITE CONDITIONS. EACH VALVE SHALL BE INSTALLED IN A VALVE BOX. A MINIMUM OF ONE CUBIC FOOT OF GRAVEL SHALL BE PROVIDED PER BOX TO PROMOTE DRAINAGE.

WATER CONSERVATION EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. THIS UNIT IS REQUIRED IF IT IS NOT EXISTING.

PUMP STATION/WELL

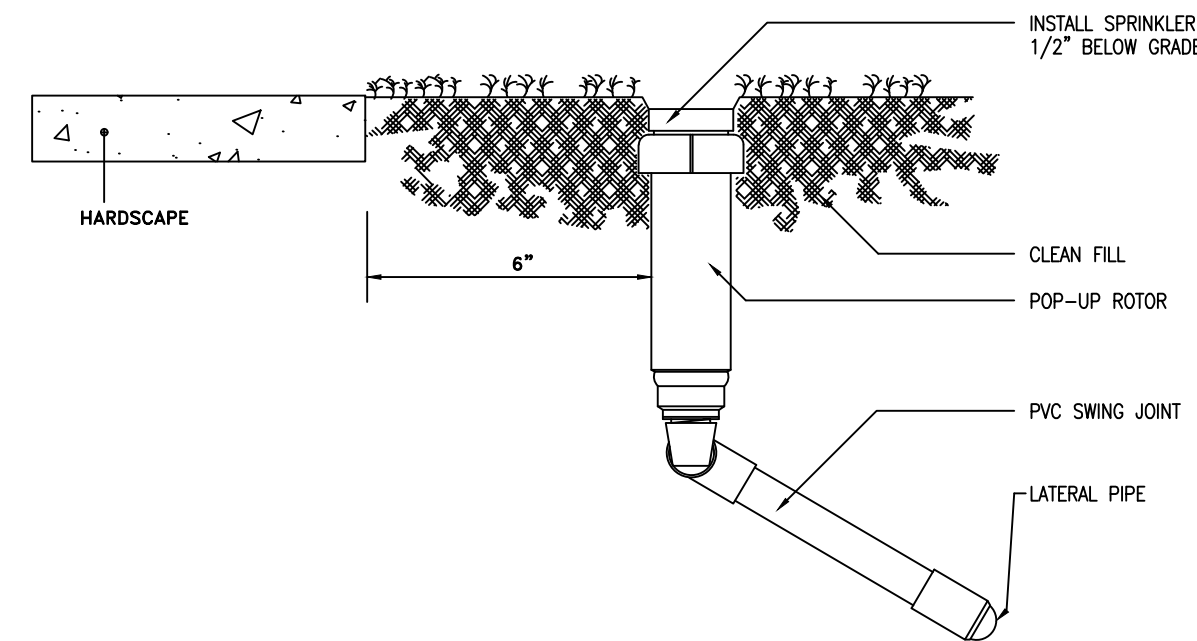
THE PUMP STATION AND WELL ARE EXISTING. THE PUMP IS A 15 HP CENTRIFUGAL TYPE.

CONTRACTOR SHALL EVALUATE THE CONDITION OF THE WELL TO ENSURE QUALITY AND VOLUME OF WATER AVAILABLE.

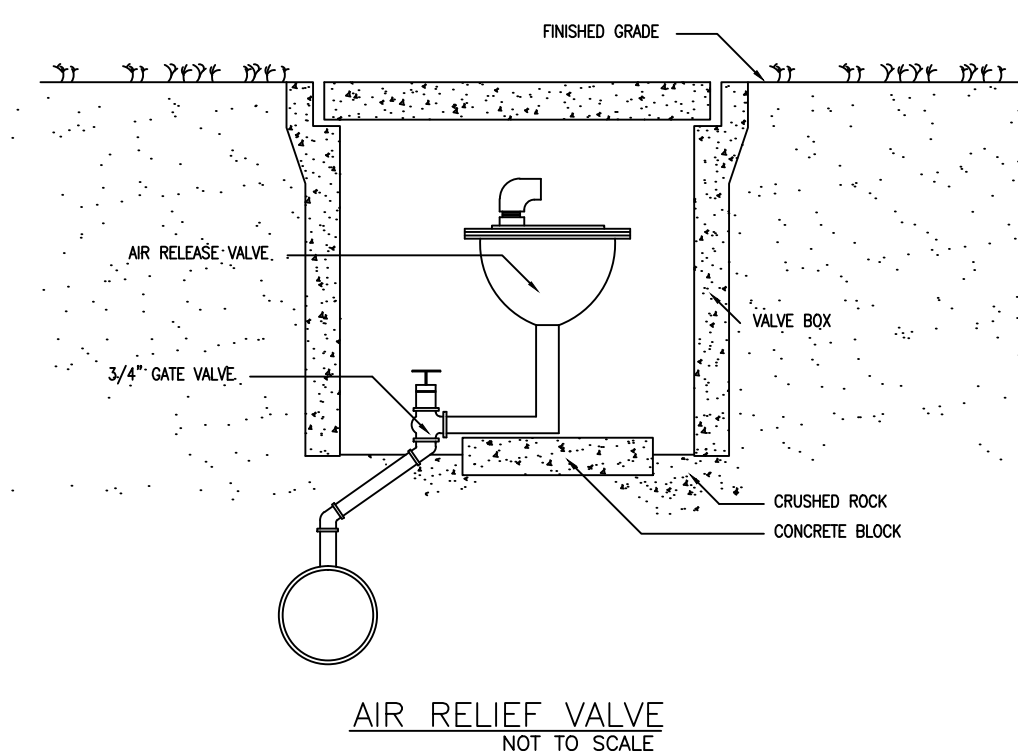
TIMING AND PRECIPITATION

TIMING OF EACH STATION SHALL BE SET IN THE FIELD TO MATCH LOCAL REQUIREMENTS. REFER TO ZONE SUMMARY CHART FOR RECOMMENDED RUN TIMES TO APPLY 1.0 INCHES/WEK.

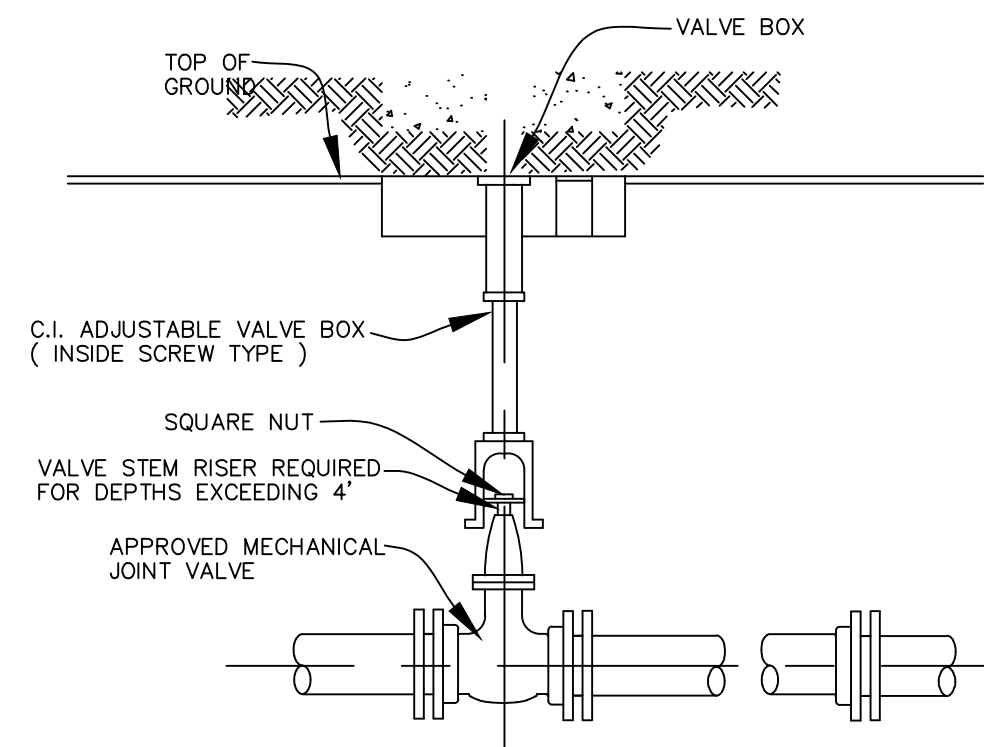
THE SYSTEM SHALL BE PROGRAMMED TO OPERATE WITHIN THE TIME PERIOD GUIDELINES FOR PHASE II WATER RESTRICTIONS.



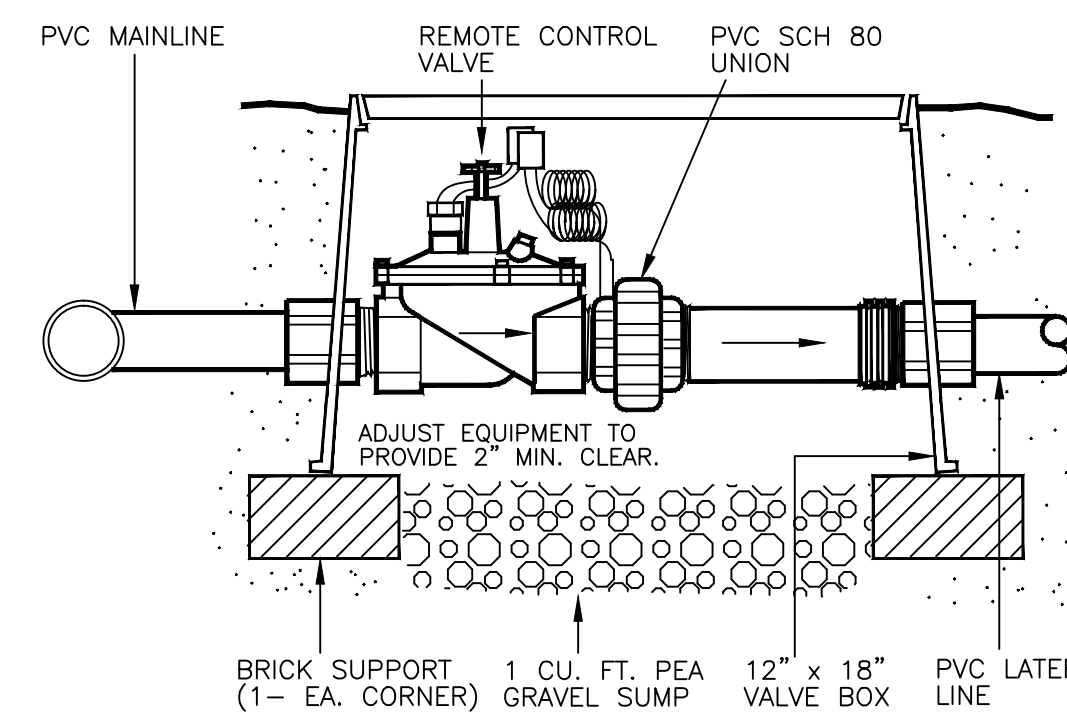
SPRINKLER DETAIL (NTS)
 POP-UP ROTOR ON PVC SWING JOINT LOCATED IN SOD OR MULCH



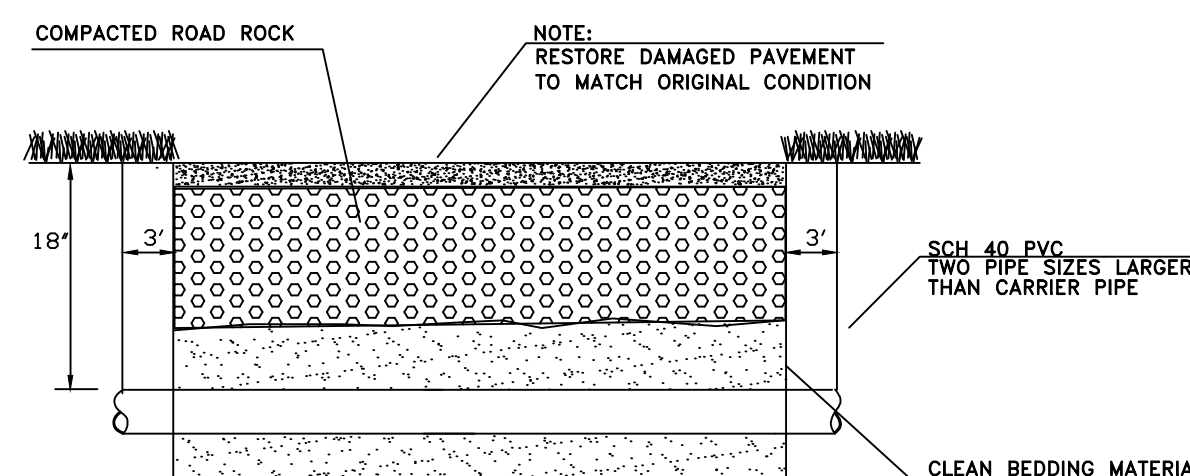
AIR RELIEF VALVE
 NOT TO SCALE



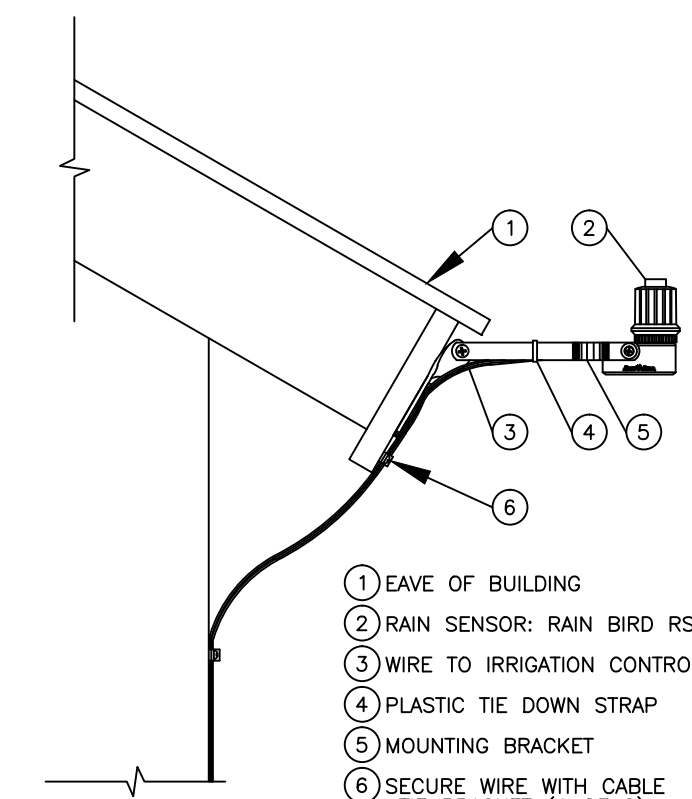
GATE VALVE DETAIL
 NOT TO SCALE



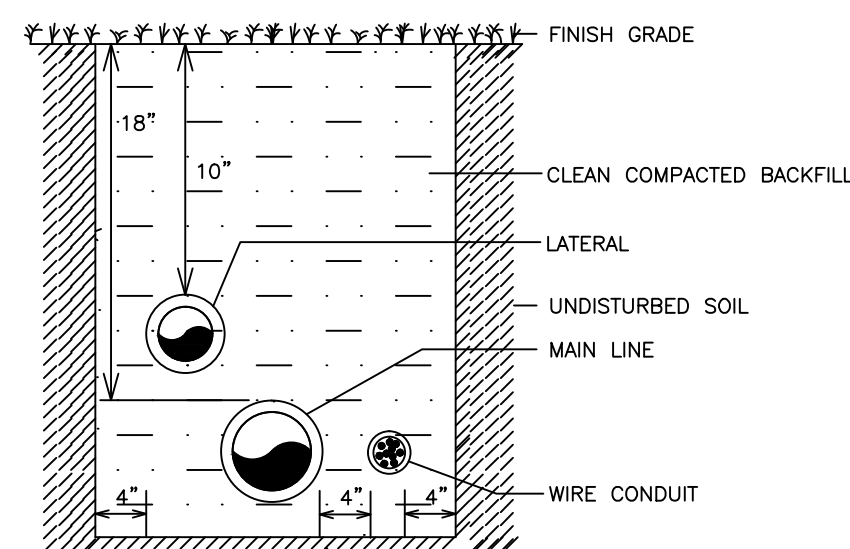
REMOTE CONTROL VALVE DETAIL
 NOT TO SCALE



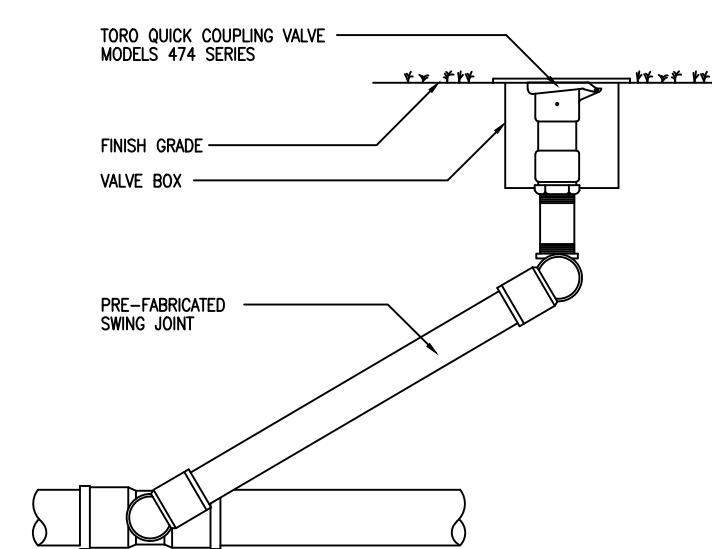
PIPE SLEEVE DETAIL
 NOT TO SCALE



RAIN SENSOR RSD-BEX
 NOT TO SCALE



TRENCHING DETAIL (NTS)
 NON-TRAFFIC AREAS



TYPICAL INSTALLATION DETAIL
 QUICK COUPLING VALVE
 NOT TO SCALE

PROJECT TITLE IRRIGATION NOTES AND DETAILS CURTIS PARK 1901 NW 24TH AVENUE MIAMI, FLORIDA		SHEET TITLE IRRIGATION NOTES AND DETAILS	CLIENT CITY OF MIAMI 444 SW 2nd AVENUE MIAMI, FLORIDA 33130	CADD FILE: DATE: 07.26.16 SCALE: AS SHOWN DRAWING NO. IR-2 SHEET of
CHECKED BY: DATE:	DESCRIPTION:	REV:	PROJECT TITLE CURTIS PARK 1901 NW 24TH AVENUE MIAMI, FLORIDA	CLIENT CITY OF MIAMI 444 SW 2nd AVENUE MIAMI, FLORIDA 33130
SEAL:	ARCHITECT J. GARY MCGRAW, AIA FL. LIC. - AR 006072	PROJECT TITLE CURTIS PARK 1901 NW 24TH AVENUE MIAMI, FLORIDA	CLIENT CITY OF MIAMI 444 SW 2nd AVENUE MIAMI, FLORIDA 33130	CADD FILE: DATE: 07.26.16 SCALE: AS SHOWN DRAWING NO. IR-2 SHEET of



BID SET

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