

FINAL SITE PLAN / CONSTRUCTION PLANS FOR BLACKSTONE PARK EXPANSION

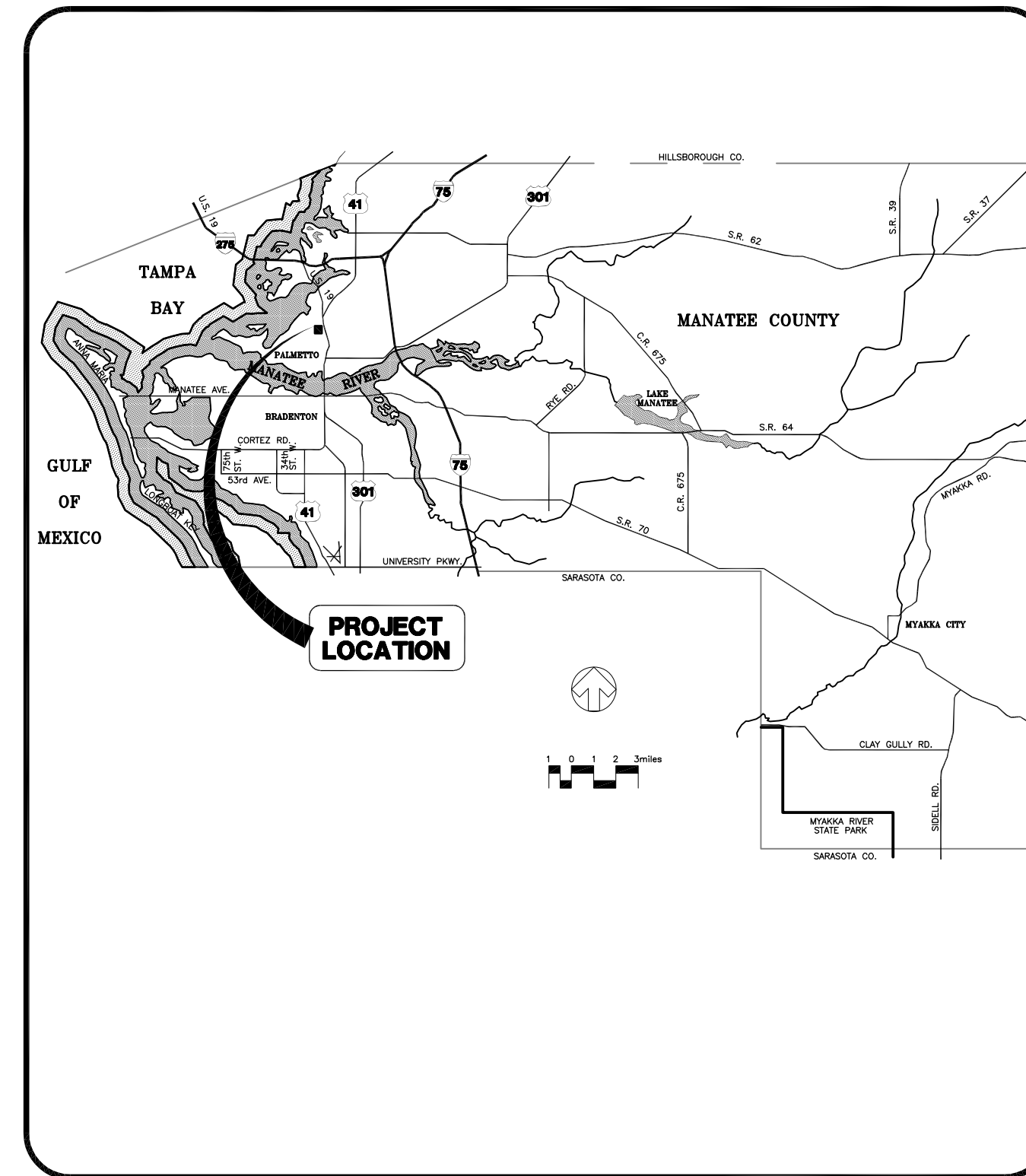
PART OF SECTION 11, TOWNSHIP 34 SOUTH, RANGE 17 EAST,
CITY OF PALMETTO
MANATEE COUNTY, FLORIDA

A PROJECT BY
MANATEE BOARD OF COUNTY COMMISSIONERS
1112 MANATEE AVENUE, SUITE 803
BRADENTON, FLORIDA 34205
PHONE: (941) 748-4501

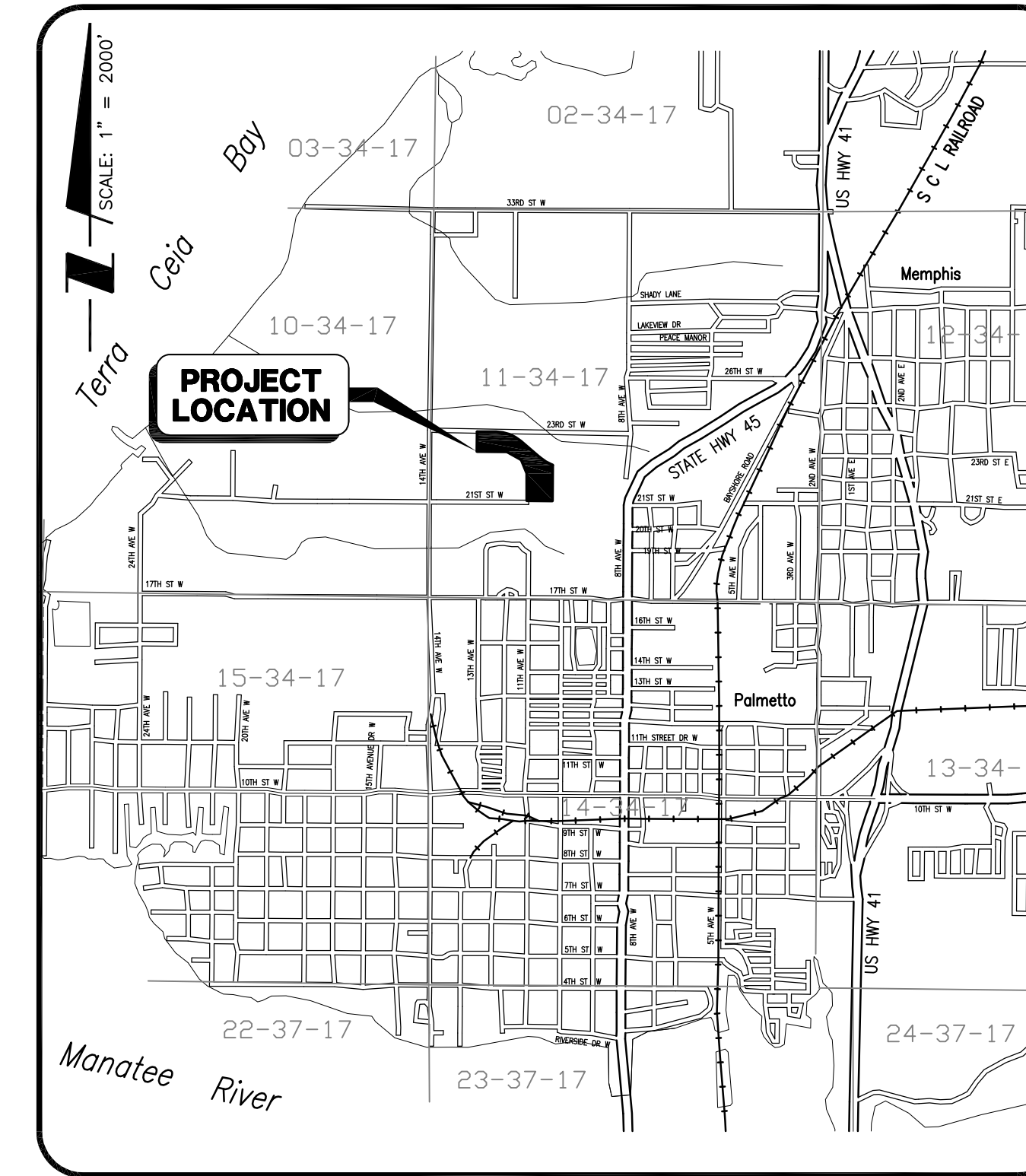
NOTES

1. TOTAL PROPERTY BOUNDARY AREA: 31.09± AC
2. TOTAL SWFWMD ERP PROJECT AREA = 9.92± AC
3. BOUNDARY DATA SHOWN IS FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT CONSTITUTE A BOUNDARY SURVEY.
4. THE PROJECT WILL CONSIST OF A PUBLIC RECREATIONAL/PARK FACILITY.
5. PRESENT ZONING IS PUBLIC (P). THE EXISTING LAND USE IS VACANT/RECREATIONAL.
6. THE PROJECT IS 100% OPEN SPACE/RECREATIONAL.
7. THERE ARE NO WETLANDS OR OTHER SURFACE WATERS LOCATED WITHIN THE PROJECT AREA.
8. PROJECT IS LOCATED WITHIN FLOOD ZONE B AS PER LATEST FEMA FIRM. COMM. PANEL NO. 120153/0187B, REVISED (EFFECTIVE 3/15/84).
9. THERE ARE NO PERENNIAL STREAMS ON OR ADJACENT TO THE PROJECT SITE.
10. DRAINAGE AND UTILITY EASEMENTS WILL BE PROVIDED AS REQUIRED BY THE CITY OF PALMETTO.
11. THERE ARE NO KNOWN EXISTING PLATS AND/OR HISTORIC SITES ON THIS SITE. ALL EXISTING BUILDINGS ARE SHOWN ON THE SITE PLAN.
12. THERE ARE NO KNOWN EXISTING COVENANTS OR DEED RESTRICTIONS WHICH WOULD AT THIS TIME AFFECT THE PROPOSED DEVELOPMENT.
13. THE STORMWATER MANAGEMENT SYSTEM FOR THIS DEVELOPMENT WILL BE MAINTAINED BY MANATEE COUNTY.
14. CONSTRUCTION SCHEDULE:
APPROXIMATE START DATE: APRIL 2013
APPROXIMATE END DATE: APRIL 2016
15. TOPOGRAPHY IS COMPILED FROM FIELD INFORMATION OBTAINED BY ZOLLER, NAJJAR, & SHROYER, L.C. ALL EXISTING AND PROPOSED ELEVATIONS ARE IN NATIONAL GEODETIC VERTICAL DATUM (1929).
16. PROPOSED GROSS FLOOR AREA OF CONCESSION BUILDING = 2,030 S.F.
PROPOSED ADDITIONAL GROSS FLOOR AREA RATIO 2,030 S.F./1,354,193 S.F. = 0.0015
MAXIMUM PROPOSED CONCESSION BUILDING HEIGHT = 26'-0" (2 STORIES)
17. ALL COMMON IMPROVEMENTS AND OPEN SPACE WITHIN THE SITE WILL BE MAINTAINED BY MANATEE COUNTY.
18. THE STORMWATER MANAGEMENT SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH CHAPTER 62-343 F.A.C. REQUIREMENTS.
19. **PARKING SPACE CALCULATIONS:**
MAXIMUM SEATING CAPACITY OF BLEACHERS = 50 SEATS (ESTIMATED)
TOTAL NUMBER OF BLEACHERS = 6 (2 BLEACHERS PER BALL FIELD)
MAXIMUM SEATING CAPACITY PROPOSED = 300 SEATS
PARKING SPACES REQUIRED = 1 PARKING SPACE PER 3 SEATS FOR PUBLIC ASSEMBLY
= 100 PARKING SPACES REQUIRED

PARKING SPACES PROVIDED = 150 PARKING SPACES (INCLUDES 6 HANDICAP SPACES)
20. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO CONSTRUCTION ACTIVITIES.
21. ALL EXISTING FEATURES ARE LABELED AS EXISTING ON THE SITE PLAN SHEETS. ALL OTHER FEATURES NOT LABELED EXISTING, ARE PROPOSED.
22. ALL PROPOSED SETBACKS AND BUFFERS ARE SHOWN ON THE SITE PLAN.
23. ALL TRAFFIC CONTROL SIGNAGE AND PAVEMENT MARKINGS, SHALL CONFORM TO FDOT AND MUTCD STANDARDS.
24. SOLID WASTE WILL BE STORED IN A DUMPSTER ENCLOSURE ON-SITE AND COLLECTED BY THE CITY OF PALMETTO.



LOCATION MAP



SITE MAP

INDEX TO SHEETS

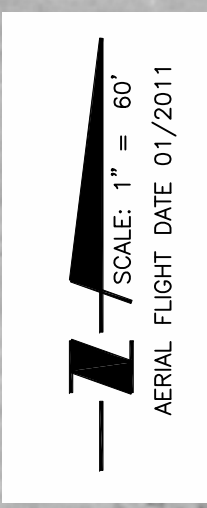
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	AERIAL LOCATION MAP
3	MASTER SITE PLAN AND KEY SHEET
4	SITE PLAN - NORTH
5	SITE PLAN - SOUTH
6	PAVING AND DRAINAGE PLAN - NORTH
7	PAVING AND DRAINAGE PLAN - SOUTH
8	DRY RETENTION AREA PLAN
9	TYPICAL SECTIONS AND CONSTRUCTION DETAILS
10	PAVING DETAILS
11	DRAINAGE DETAILS
12	DRAINAGE DETAILS
13	CROSS SECTIONS
14	TYPICAL BALL FIELD PLAN
15	DUGOUT AND BLEACHER DETAILS
16	BALL FIELD FENCING PLAN
17	BALL FIELD FENCING, NETTING, AND BATTING CAGE DETAILS
18	BEST MANAGEMENT PRACTICES PLAN
19	BEST MANAGEMENT PRACTICES DETAILS
1 OF 1	CONCRETE AND PAVER SURFACING PLAN AND DETAILS
LP-401	LANDSCAPE MATERIALS / SURFACES PLAN

DENOTES SHEETS SUBMITTED TO SWFWMD																			
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ZONING A-1(MANATEE COUNTY)
EXISTING LAND USE: VACANT/AGRICULTURAL

EXISTING 23RD STREET WEST
100' PUBLIC RIGHT-OF-WAY

EXISTING LAKE



EXISTING RIGHT-OF-WAY/
PROPERTY LINE

SWFWMD ERP
PROJECT AREA (TYP)

SWFWMD ERP
PROJECT AREA (TYP)

DRY RETENTION AREA

8' LANDSCAPE BUFFER

EXISTING RIGHT-OF-WAY/
PROPERTY LINE

ZONING P
EXISTING LAND USE: PUBLIC USE/RECREATIONAL

EXISTING BALL FIELD

EXISTING BALL FIELD

BALL FIELD #1

EXISTING SOCCER FIELDS

CONCESSION
BUILDING

PROPERTY LINE

EXISTING RIGHT-OF-WAY/
PROPERTY LINE

EXISTING RESTROOM
BUILDING

BALL FIELD #2

ZONING CG
EXISTING LAND USE: VACANT/AGRICULTURAL

15'
LANDSCAPE
BUFFER

EXISTING PARKING AREA

PROPERTY LINE

EXISTING BALL FIELD

BALL FIELD #3

PROPERTY LINE

SWFWMD ERP
PROJECT AREA (TYP)

BATTING CAGES (4)

ZONING P
EXISTING LAND USE: PUBLIC USE/HIGH SCHOOL

PROPERTY LINE

ZONING PD-H
EXISTING LAND USE: PLANNED DEVELOPMENT
RESIDENTIAL/GOLF COURSE

EXISTING 14TH AVENUE WEST
PUBLIC RIGHT-OF-WAY

REV. NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	W/M APPROVED BY:	ACTIVITY	INITIALS/EMP. NO.	DATE
						DESIGNED BY:		
						DRAWN BY:	CLL/096591	12/2012
						CHECKED BY:		
						CONTRACT ADMIN. BY:		
						W/M APPROVED BY:		

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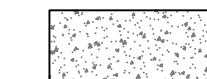

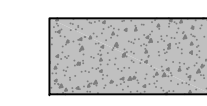
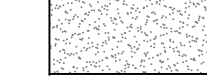
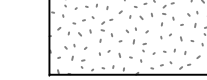

CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS
 PROJECT: BLACKSTONE PARK EXPANSION

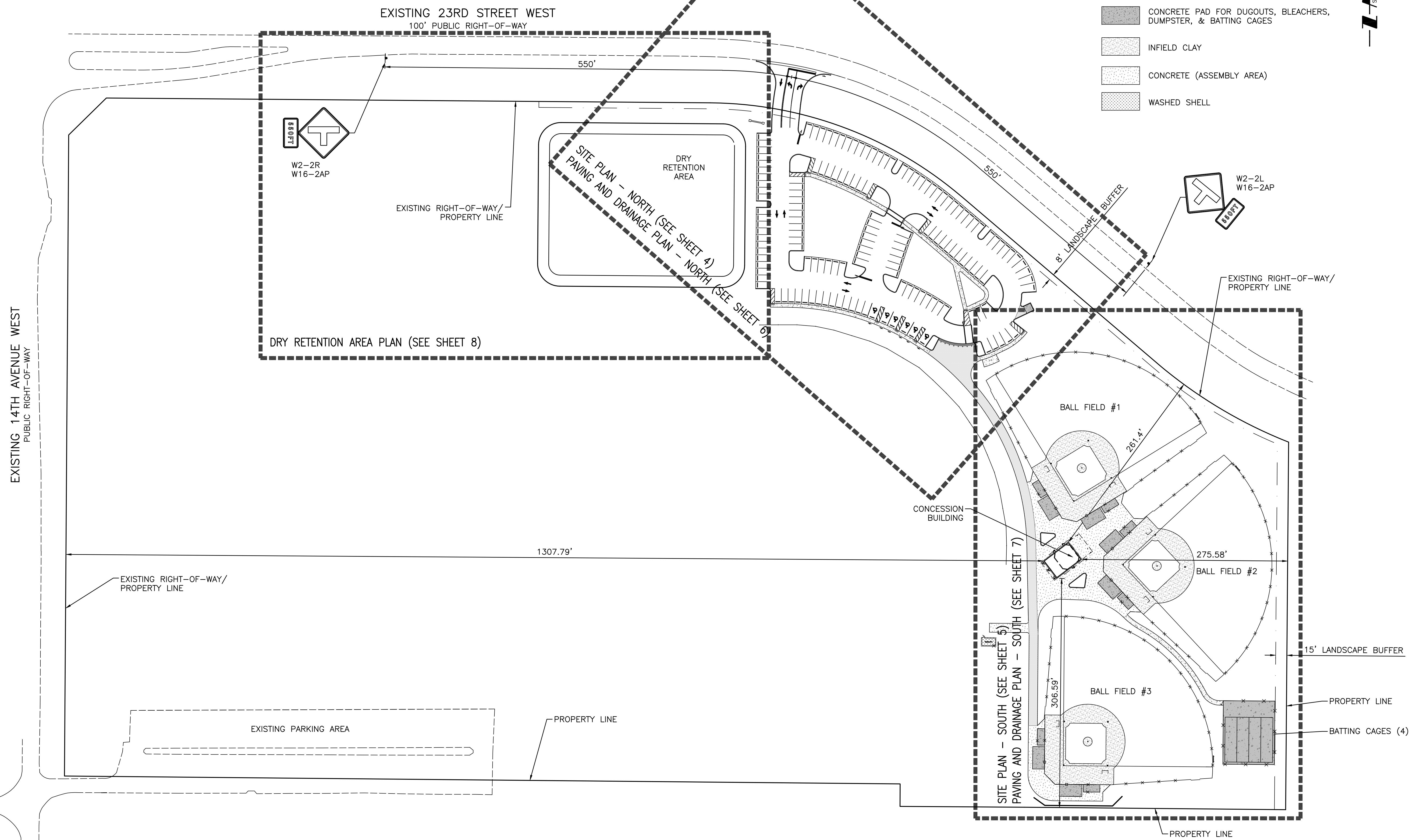
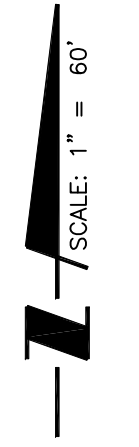
DATE: DECEMBER 2012
 HORIZONTAL SCALE: 1" = 60'
 VERTICAL SCALE: NA
 SHEET: 11 34S 17E

TITLE: AERIAL LOCATION MAP
 PROJECT NUMBER: 215611237
 CROSS REFERENCE FILE NO.:
 SHEET NUMBER: 2 OF 19

DANIEL J. BOND, P.E.
 FLORIDA LICENSE NO. 57969
 INDEX NUMBER: D-215611237-002
 SHEET NUMBER: 2 OF 19

LEGEND

-  CONCRETE SIDEWALK
-  CONCRETE PAVEMENT
-  CONCRETE PAD FOR DUGOUTS, BLEACHERS, DUMPSTER, & BATTING CAGES
-  INFIELD CLAY
-  CONCRETE (ASSEMBLY AREA)
-  WASHED SHELL



REV. NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	W/M APPROVED BY:

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Certificate of Authorization #3 • FL Lic. # LC-0000170 • www.stantec.com

CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS
PROJECT: BLACKSTONE PARK EXPANSION

DATE: DECEMBER 2012
HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: NA
SHEET: 11 34S 17E

TITLE: MASTER SITE PLAN AND KEY SHEET
PROJECT NUMBER: 215611237
CROSS REFERENCE FILE NO.:
SHEET NUMBER: 3 OF 19

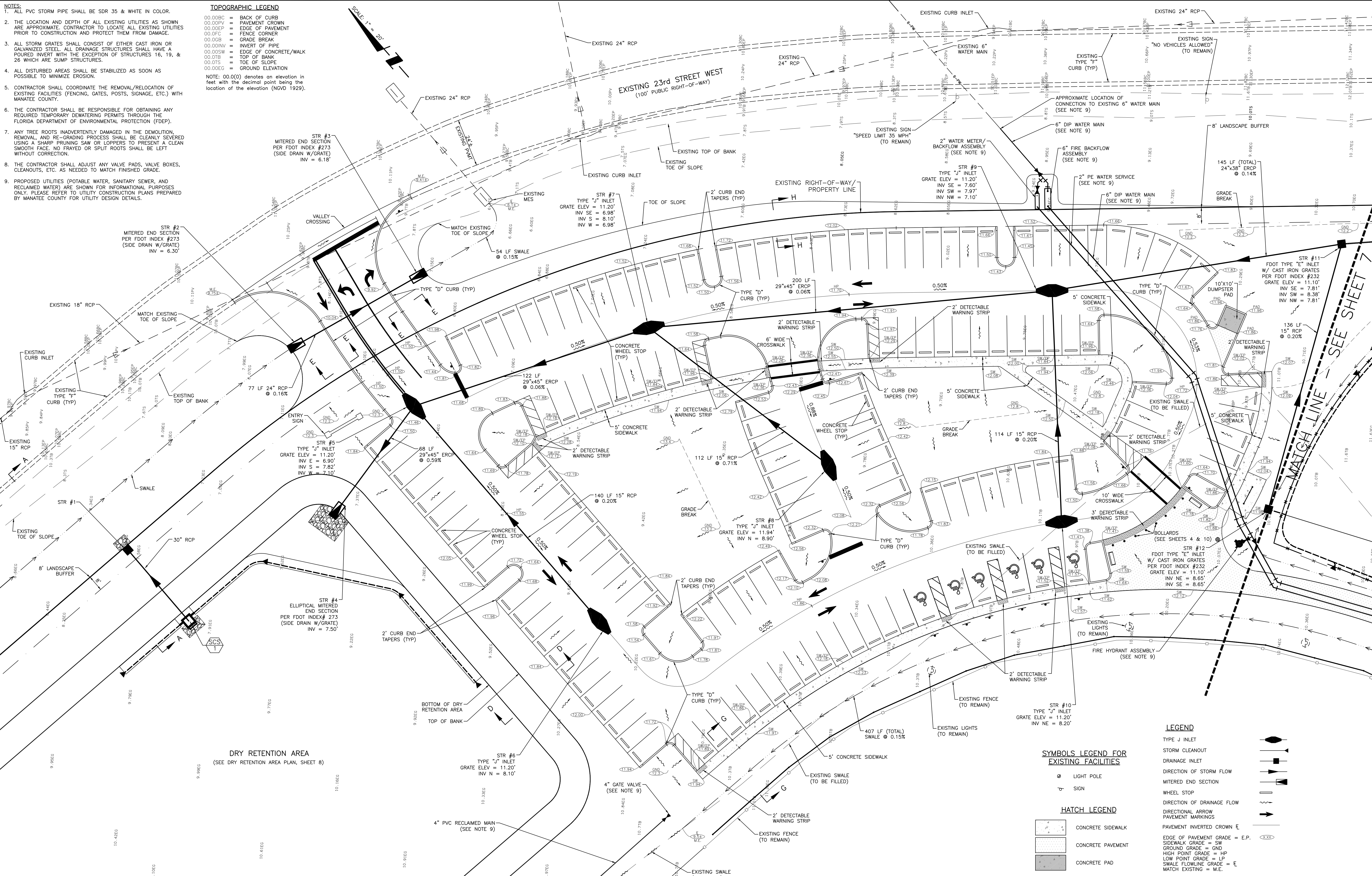
DANIEL J. BOND, P.E.
FLORIDA LICENSE NO. 57969
INDEX NUMBER: D-215611237-003
SHEET NUMBER: 3 OF 19

- NOTES:**
1. ALL PVC STORM PIPE SHALL BE SDR 35 & WHITE IN COLOR.
 2. THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AS SHOWN ARE APPROXIMATE. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND PROTECT THEM FROM DAMAGE.
 3. ALL STORM GRATES SHALL CONSIST OF EITHER CAST IRON OR GALVANIZED STEEL. ALL DRAINAGE STRUCTURES SHALL HAVE A POURED INVERT WITH THE EXCEPTION OF STRUCTURES 16, 19, & 26 WHICH ARE SUMP STRUCTURES.
 4. ALL DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO MINIMIZE EROSION.
 5. CONTRACTOR SHALL COORDINATE THE REMOVAL/RELOCATION OF EXISTING FACILITIES (FENCING, GATES, POSTS, SIGNAGE, ETC.) WITH MANATEE COUNTY.
 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED TEMPORARY Dewatering PERMITS THROUGH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP).
 7. ANY TREE ROOTS INADVERTENTLY DAMAGED IN THE DEMOLITION, REMOVAL, AND RE-GRADING PROCESS SHALL BE CLEANLY SEVERED USING A SHARP PRUNING SAW OR LOPPERS TO PRESENT A CLEAN SMOOTH FACE. NO FRAYED OR SPLIT ROOTS SHALL BE LEFT WITHOUT CORRECTION.
 8. THE CONTRACTOR SHALL ADJUST ANY VALVE PADS, VALVE BOXES, CLEANOUTS, ETC. AS NEEDED TO MATCH FINISHED GRADE.
 9. PROPOSED UTILITIES (POTABLE WATER, SANITARY SEWER, AND RECLAIMED WATER) ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. PLEASE REFER TO UTILITY CONSTRUCTION PLANS PREPARED BY MANATEE COUNTY FOR UTILITY DESIGN DETAILS.

TOPOGRAPHIC LEGEND

00.00BC	=	BACK OF CURB
00.00CV	=	PAVEMENT CROWN
00.00EP	=	EDGE OF PAVEMENT
00.00FC	=	FENCE CORNER
00.00GB	=	GRADE BREAK
00.00IN	=	INVERT OF PIPE
00.00SW	=	EDGE OF CONCRETE/WALK
00.00TB	=	TOP OF BANK
00.00TS	=	TOE OF SLOPE
00.00EG	=	GROUND ELEVATION

NOTE: 00.0(0) denotes an elevation in feet with the decimal point being the location of the elevation (NGVD 1929).



LEGEND

- TYPE J INLET
- STORM CLEANOUT
- DRAINAGE INLET
- DIRECTION OF STORM FLOW
- MITERED END SECTION
- WHEEL STOP
- DIRECTION OF DRAINAGE FLOW
- DIRECTIONAL ARROW
- PAVEMENT MARKINGS
- PAVEMENT INVERTED CROWN
- EDGE OF PAVEMENT GRADE = E.P.
- SIDEWALK GRADE = GND
- GROUND GRADE = SW
- HIGH POINT GRADE = HP
- LOW POINT GRADE = LP
- SWALE FLOWLINE GRADE = FL
- MATCH EXISTING = M.E.

SYMBOLS LEGEND FOR EXISTING FACILITIES

- LIGHT POLE
- SIGN

HATCH LEGEND

- CONCRETE SIDEWALK
- CONCRETE PAVEMENT
- CONCRETE PAD

REV. NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:

ACTIVITY	INITIALS/EMP. NO.	DATE
DESIGNED BY:		
DRAWN BY:	CLL/096591	12/2012
CHECKED BY:		
CONTRACT ADMIN. BY:		

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CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS
 PROJECT: BLACKSTONE PARK EXPANSION

DATE: DECEMBER 2012
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: NA
 SHEET NUMBER: 6 OF 19

TITLE: PAVING AND DRAINAGE PLAN - NORTH

CROSS REFERENCE FILE NO.: 215611237
 PROJECT NUMBER: 215611237

DANIEL J. BOND, P.E.
 FLORIDA LICENSE NO. 57969
 INDEX NUMBER: D-215611237-006

- NOTES:**
- ALL PVC STORM PIPE SHALL BE SDR 35 & WHITE IN COLOR.
 - THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AS SHOWN ARE APPROXIMATE. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND PROTECT THEM FROM DAMAGE.
 - ALL STORM GRATES SHALL CONSIST OF EITHER CAST IRON OR GALVANIZED STEEL. ALL DRAINAGE STRUCTURES SHALL HAVE A POURED INVERT WITH THE EXCEPTION OF STRUCTURES 16, 19, & 26 WHICH ARE SUMP STRUCTURES.
 - ALL DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO MINIMIZE EROSION.
 - CONTRACTOR SHALL COORDINATE THE REMOVAL/RELOCATION OF EXISTING FACILITIES (FENCING, GATES, POSTS, SIGNAGE, ETC.) WITH MANATEE COUNTY.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED TEMPORARY DEWATERING PERMITS THROUGH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP).
 - ANY TREE ROOTS INADVERTENTLY DAMAGED IN THE DEMOLITION, REMOVAL, AND RE-GRADING PROCESS SHALL BE CLEANLY SEVERED USING A SHARP PRUNING SAW OR LOPPERS TO PRESENT A CLEAN SMOOTH FACE. NO FRAYED OR SPLIT ROOTS SHALL BE LEFT WITHOUT CORRECTION.
 - THE CONTRACTOR SHALL ADJUST ANY VALVE PADS, VALVE BOXES, CLEANOUTS, ETC. AS NEEDED TO MATCH FINISHED GRADE.
 - PROPOSED UTILITIES (POTABLE WATER, SANITARY SEWER, AND RECLAIMED WATER) ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. PLEASE REFER TO UTILITY CONSTRUCTION PLANS PREPARED BY MANATEE COUNTY FOR UTILITY DESIGN DETAILS.
 - THE PITCHER'S PLATE SHALL BE 6" ABOVE THE PERIMETER ELEVATION OF THE PITCHER'S MOUND. ALL BASE LINES SHALL BE LEVEL AND GRADED TO THE ELEVATION SHOWN PER PLAN.

TOPOGRAPHIC LEGEND

00.00BC	= BACK OF CURB
00.00CV	= PAVEMENT CROWN
00.00EP	= EDGE OF PAVEMENT
00.00FC	= FENCE CORNER
00.00GB	= GRADE BREAK
00.00IN	= INVERT OF PIPE
00.00SW	= EDGE OF CONCRETE/WALK
00.00TB	= TOP OF BANK
00.00TS	= TOE OF SLOPE
00.00EG	= GROUND ELEVATION

NOTE: 00.0(0) denotes an elevation in feet with the decimal point being the location of the elevation (NGVD 1929).

SYMBOLS LEGEND FOR EXISTING FACILITIES

○	LIGHT POLE
□	SIGN

HATCH LEGEND

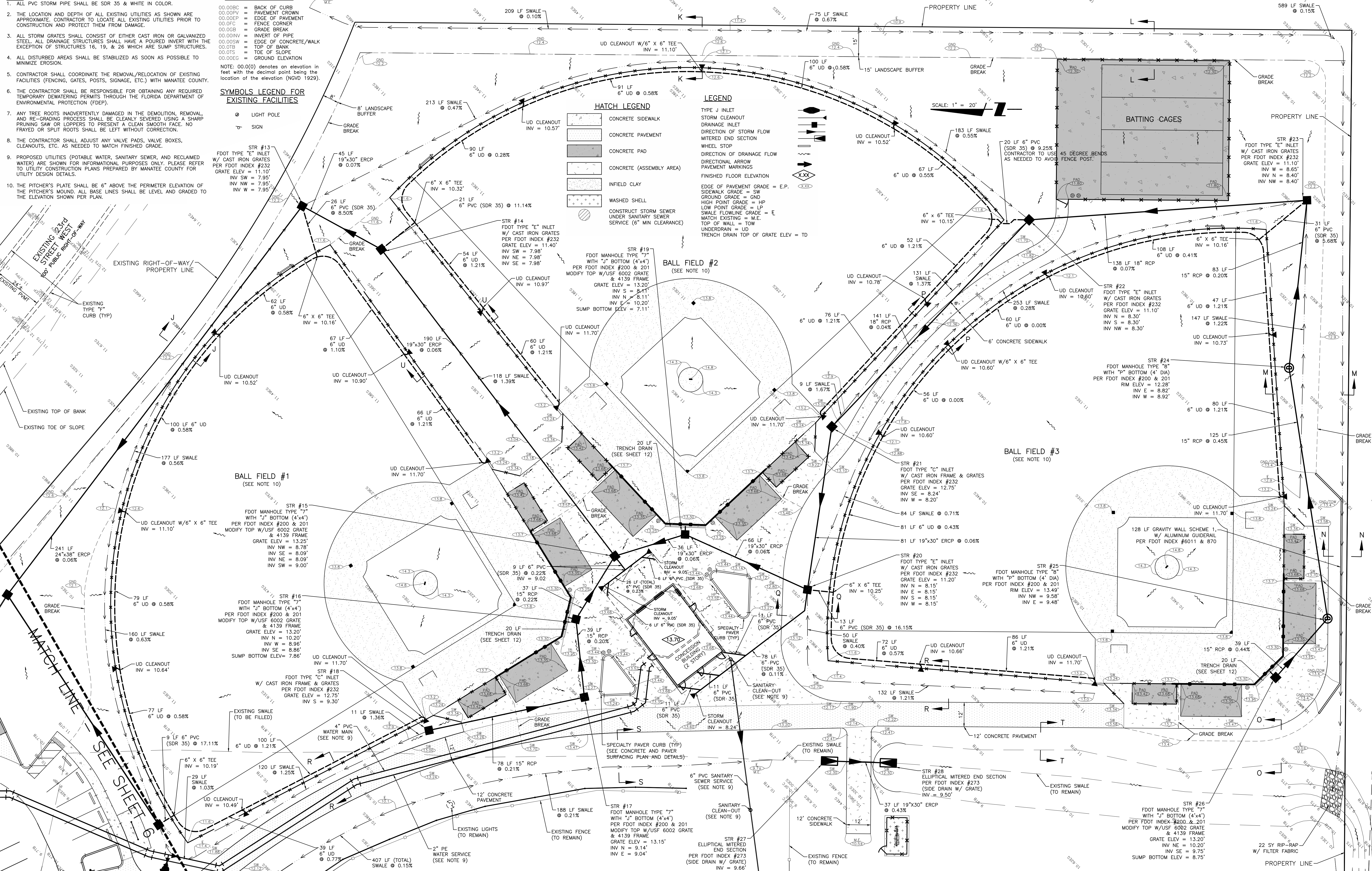
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[Pattern]	CONCRETE PAVEMENT
[Pattern]	CONCRETE PAD
[Pattern]	CONCRETE (ASSEMBLY AREA)
[Pattern]	INFIELD CLAY
[Pattern]	WASHED SHELL

CONSTRUCT STORM SEWER UNDER SANITARY SEWER SERVICE (6" MIN CLEARANCE)

LEGEND

[Symbol]	TYPE J INLET
[Symbol]	STORM CLEANOUT
[Symbol]	DRAINAGE INLET
[Symbol]	DIRECTION OF STORM FLOW
[Symbol]	MITERED END SECTION
[Symbol]	WHEEL STOP
[Symbol]	DIRECTION OF DRAINAGE FLOW
[Symbol]	DIRECTIONAL ARROW
[Symbol]	PAVEMENT MARKINGS
[Symbol]	FINISHED FLOOR ELEVATION
[Symbol]	EDGE OF PAVEMENT GRADE = E.P.
[Symbol]	SIDEWALK GRADE = SW
[Symbol]	GROUND GRADE = GND
[Symbol]	HIGH POINT GRADE = HP
[Symbol]	LOW POINT GRADE = LP
[Symbol]	SWALE FLOWLINE GRADE = F
[Symbol]	MATCH EXISTING = M.E.
[Symbol]	TOP OF WALL = TOW
[Symbol]	UNDERDRAIN = UD
[Symbol]	TRENCH DRAIN TOP OF GRADE ELEV = TD

SCALE: 1" = 20'



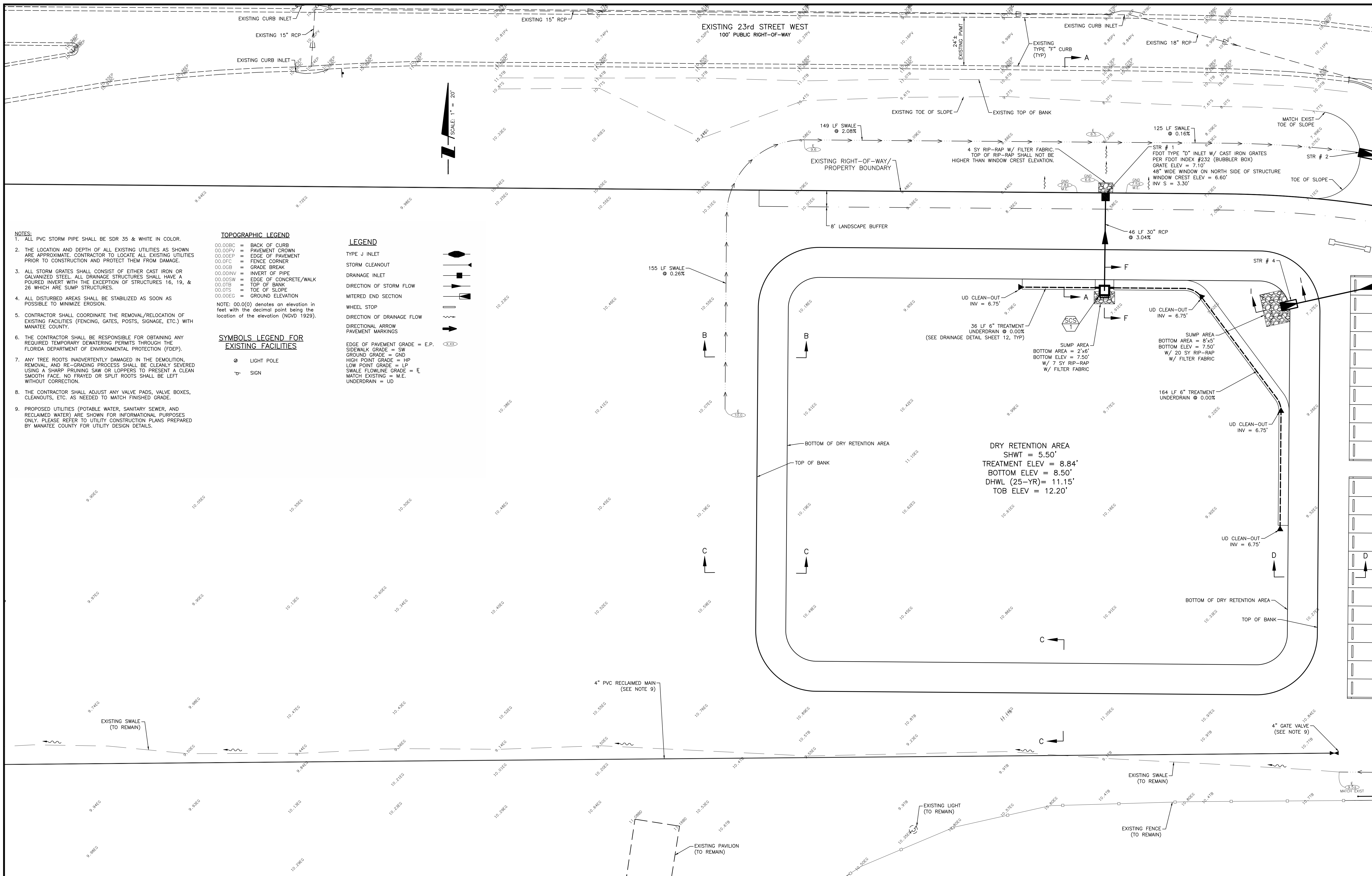
REV. NO.	REVISION	DATE	DRAWN BY	CHECKED BY	DATE

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CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS
PROJECT:	BLACKSTONE PARK EXPANSION

DATE:	DECEMBER 2012	TITLE:	PAVING AND DRAINAGE PLAN - SOUTH
HORIZONTAL SCALE:	1" = 20'	INDEX NUMBER:	D-215611237-007
VERTICAL SCALE:	NA	CROSS REFERENCE FILE NO.:	PROJECT NUMBER: 215611237
SHEET NUMBER:	11 34S 17E	SHEET NUMBER:	7 OF 19



- NOTES:**
- ALL PVC STORM PIPE SHALL BE SDR 35 & WHITE IN COLOR.
 - THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AS SHOWN ARE APPROXIMATE. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND PROTECT THEM FROM DAMAGE.
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- TOPOGRAPHIC LEGEND**
- 00.00BC = BACK OF CURB
 - 00.00PV = PAVEMENT GROWN
 - 00.00EP = EDGE OF PAVEMENT
 - 00.00FC = FENCE CORNER
 - 00.00GB = GRADE BREAK
 - 00.00INV = INVERT OF PIPE
 - 00.00SW = EDGE OF CONCRETE/WALK
 - 00.00TB = TOP OF BANK
 - 00.00TS = TOE OF SLOPE
 - 00.00EG = GROUND ELEVATION
- NOTE: 00.0(0) denotes an elevation in feet with the decimal point being the location of the elevation (NGVD 1929).
- SYMBOLS LEGEND FOR EXISTING FACILITIES**
- LIGHT POLE
 - SIGN
- LEGEND**
- TYPE J INLET
 - STORM CLEANOUT
 - DRAINAGE INLET
 - DIRECTION OF STORM FLOW
 - MITERED END SECTION
 - WHEEL STOP
 - DIRECTION OF DRAINAGE FLOW
 - DIRECTIONAL ARROW
 - PAVEMENT MARKINGS
 - EDGE OF PAVEMENT GRADE = E.P.
 - SIDEWALK GRADE = SW
 - GROUND GRADE = GND
 - HIGH POINT GRADE = HP
 - LOW POINT GRADE = LP
 - SWALE FLOWLINE GRADE = FL
 - MATCH EXISTING = M.E.
 - UNDERDRAIN = UD

REV. NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:

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CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS

PROJECT: BLACKSTONE PARK EXPANSION

DATE: DECEMBER 2012

HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: NA

SEC: TRF; ASSE: 11 34S 17E

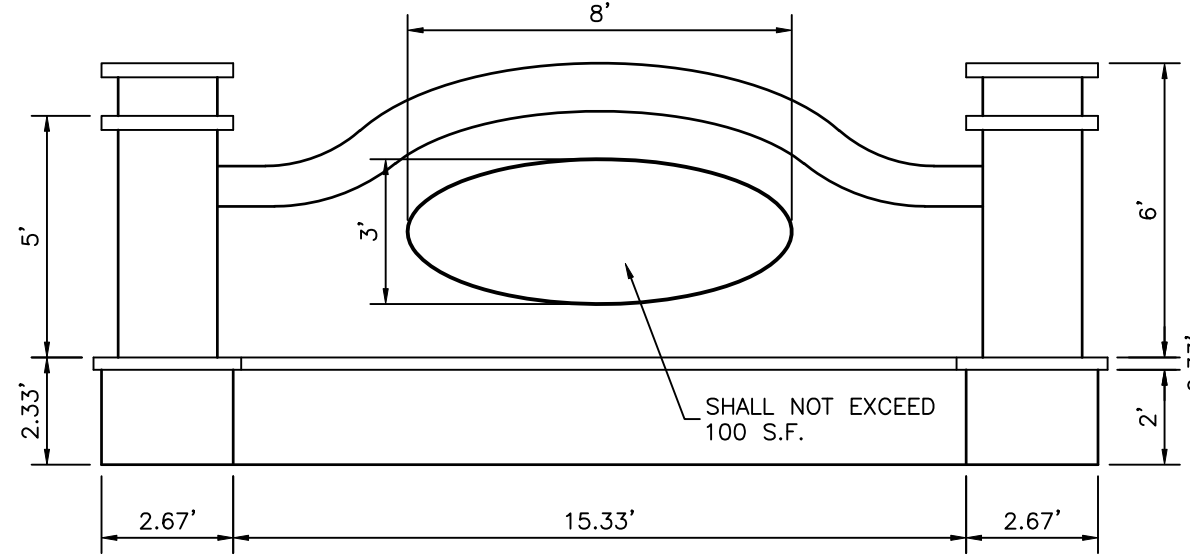
CROSS REFERENCE FILE NO.: PROJECT NUMBER: 215611237

TITLE: DRY RETENTION AREA PLAN

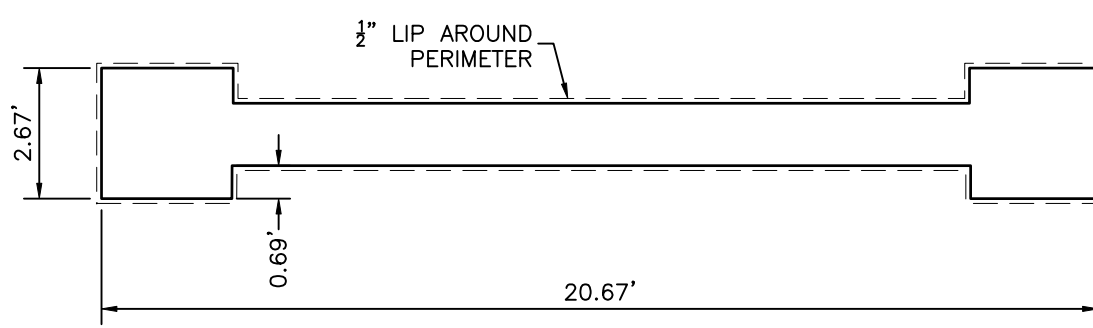
DANIEL J. BOND, P.E.
 FLORIDA LICENSE NO. 57969
 INDEX NUMBER: D-215611237-008
 SHEET NUMBER: 8 OF 19



ENTRY SIGN PHOTO EXAMPLE
 ENTRY SIGN REFERENCE EXAMPLE LOCATED AT TOM BENNETT PARK.
 ADDRESS: 400 CYPRESS CREEK BOULEVARD, BRADENTON, FL 34208.
 SIGN BY LCM GROUP SERVICES, LLC.



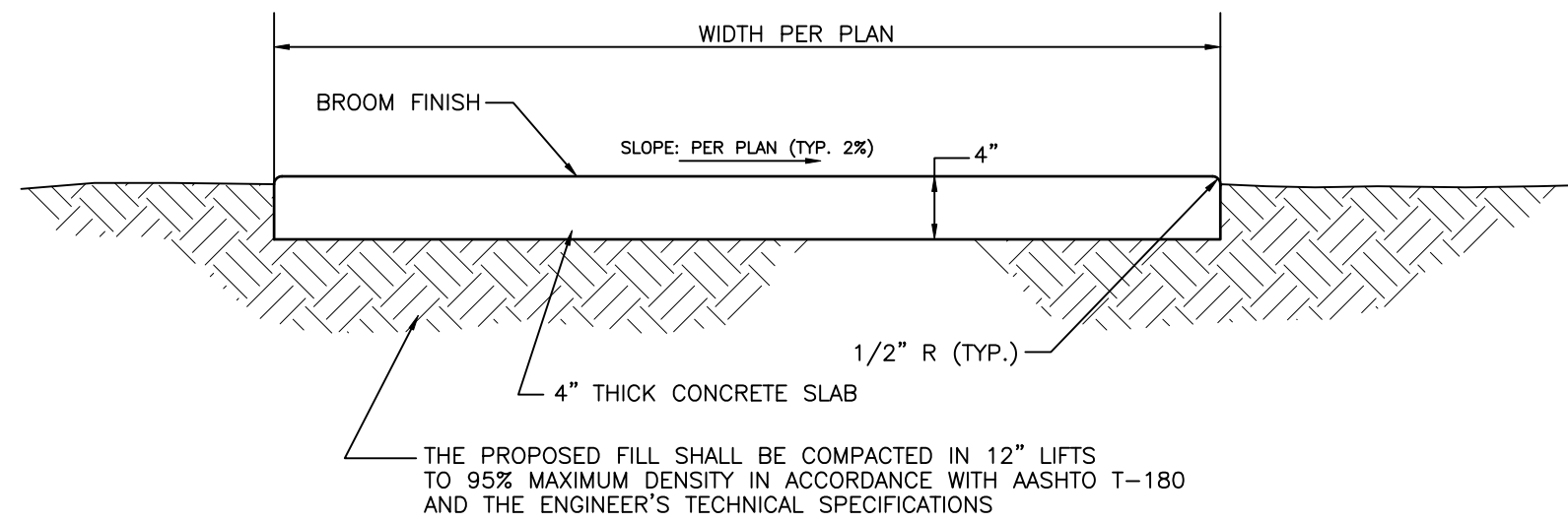
FRONT ELEVATION



PLAN VIEW

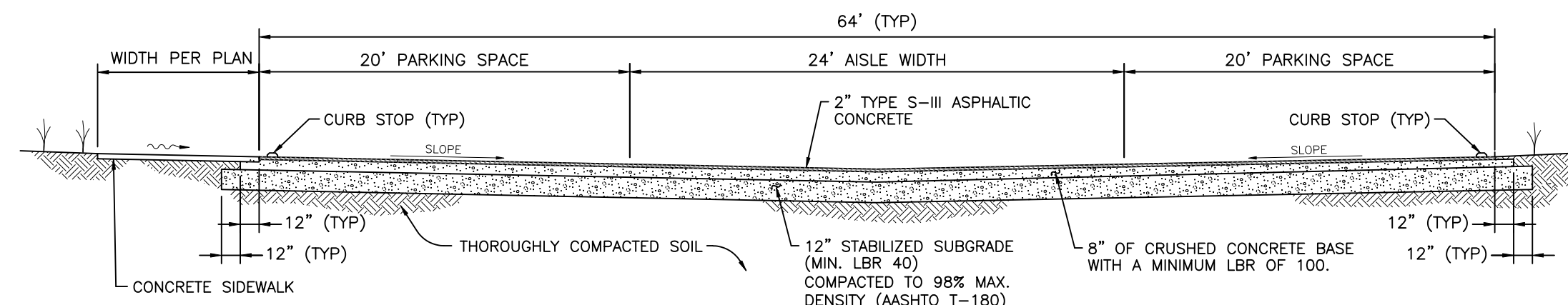
- NOTES:**
- ENTRY SIGN DETAILS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE PROVIDED FOR BASIS OF BID ONLY. CONTRACTOR SHALL PROVIDE FINAL DESIGN/SHOP DRAWINGS FOR ENTRY SIGN, INCLUDING SIGNED AND SEALED STRUCTURAL PLANS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITTING RELATED TO THE ENTRY SIGN AS REQUIRED BY THE CITY OF PALMETTO, INCLUDING ANY APPLICABLE PERMIT FEES.
 - ENTRY SIGN FOR BLACKSTONE PARK SHALL MATCH ALL MATERIALS, FINISHES, COLORS, AND DIMENSIONS AS THE TOM BENNETT PARK SIGN. PARK NAME SHALL READ "BLACKSTONE PARK" INSTEAD OF "TOM BENNETT PARK".

ENTRY SIGN SCHEMATIC DETAIL
 N.T.S.

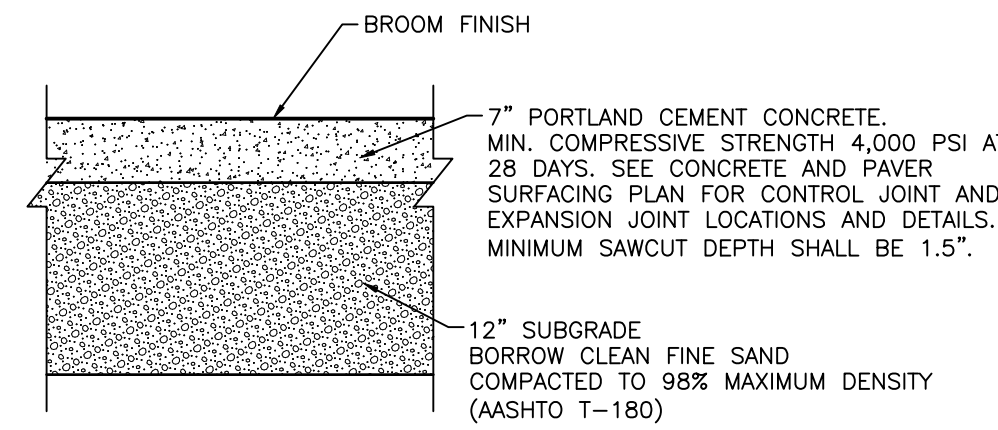


TYPICAL CONCRETE SIDEWALK DETAIL
 N.T.S.

- SIDEWALK NOTES:**
- CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 P.S.I. IN 28 DAYS UNLESS OTHERWISE NOTED.
 - SEE CONCRETE AND PAVER SURFACING PLAN FOR CONTROL JOINT AND EXPANSION JOINT LOCATIONS AND DETAILS. MINIMUM SAW CUT DEPTH SHALL BE 1.5\".
 - ALL SIDEWALKS AND SIDEWALK CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA).

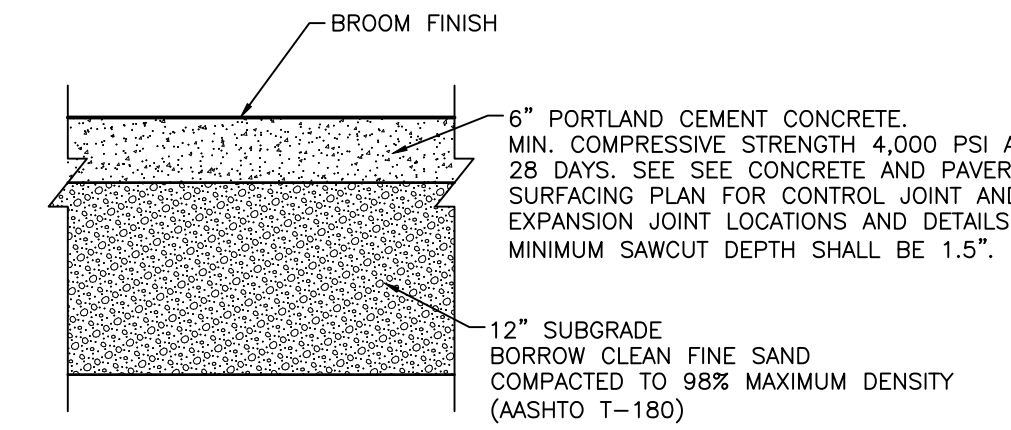


TYPICAL FLEXIBLE PAVEMENT SECTION
 N.T.S.



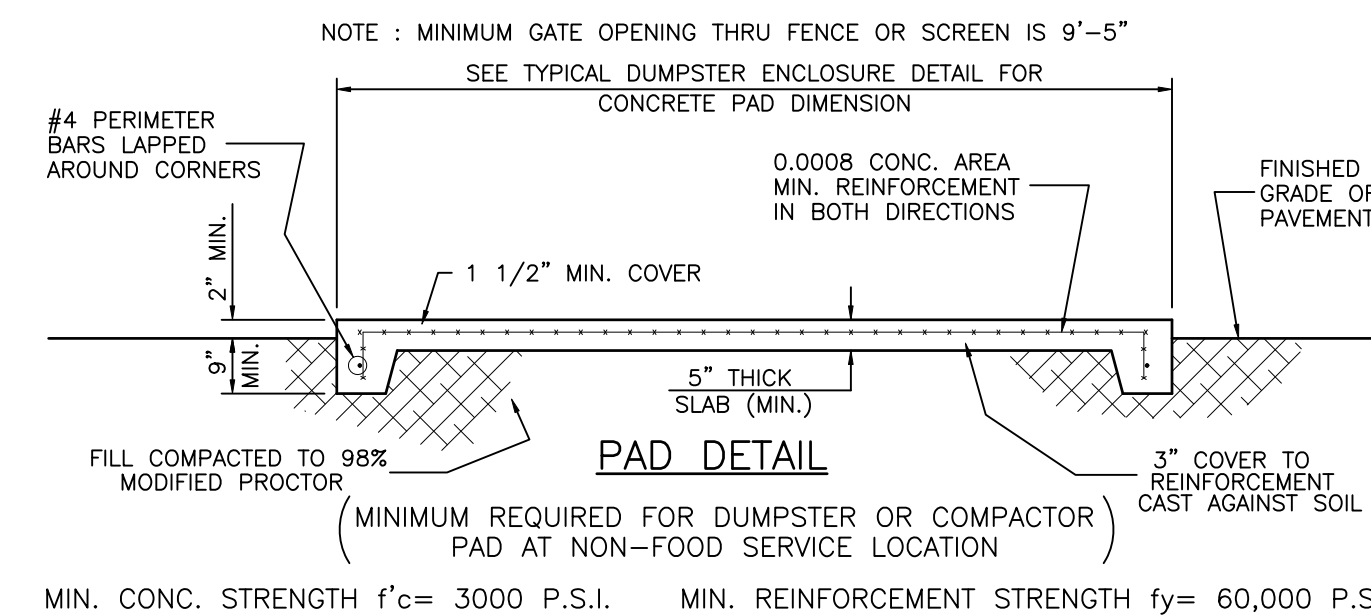
PORTLAND CEMENT CONCRETE RIGID PAVEMENT SECTION
 N.T.S.

- NOTES:**
- SUBGRADE SOILS SHOULD BE DENSIFIED TO AT LEAST 98% OF MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY (ASTM D1557, AASHTO T-180) TO A DEPTH OF AT LEAST 1 FEET PRIOR TO PLACEMENT OF CONCRETE.
 - THE SURFACE OF THE SUBGRADE SOILS SHOULD BE SMOOTH, AND ANY DISTURBANCES OR WHEEL RUTTING CORRECTED PRIOR TO PLACEMENT OF CONCRETE.
 - THE SUBGRADE SOILS SHOULD BE MOISTENED PRIOR TO PLACEMENT OF CONCRETE.
 - CONCRETE PAVEMENT THICKNESS SHOULD BE UNIFORM THROUGHOUT.
 - SEE SITE PLAN FOR CONCRETE PAVEMENT LOCATIONS.
 - ALL CONCRETE AREAS SHALL NOT EXCEED 2% CROSS SLOPE IN ACCORDANCE WITH THE AMERICAN WITH DISABILITIES ACT (ADA).
 - ALL EDGES SHALL HAVE A 0.5\" RADIUS.
 - THE RIGID PAVEMENT SHALL BE DOWELED IN ACCORDANCE WITH FDOT STANDARD INDEX #305.



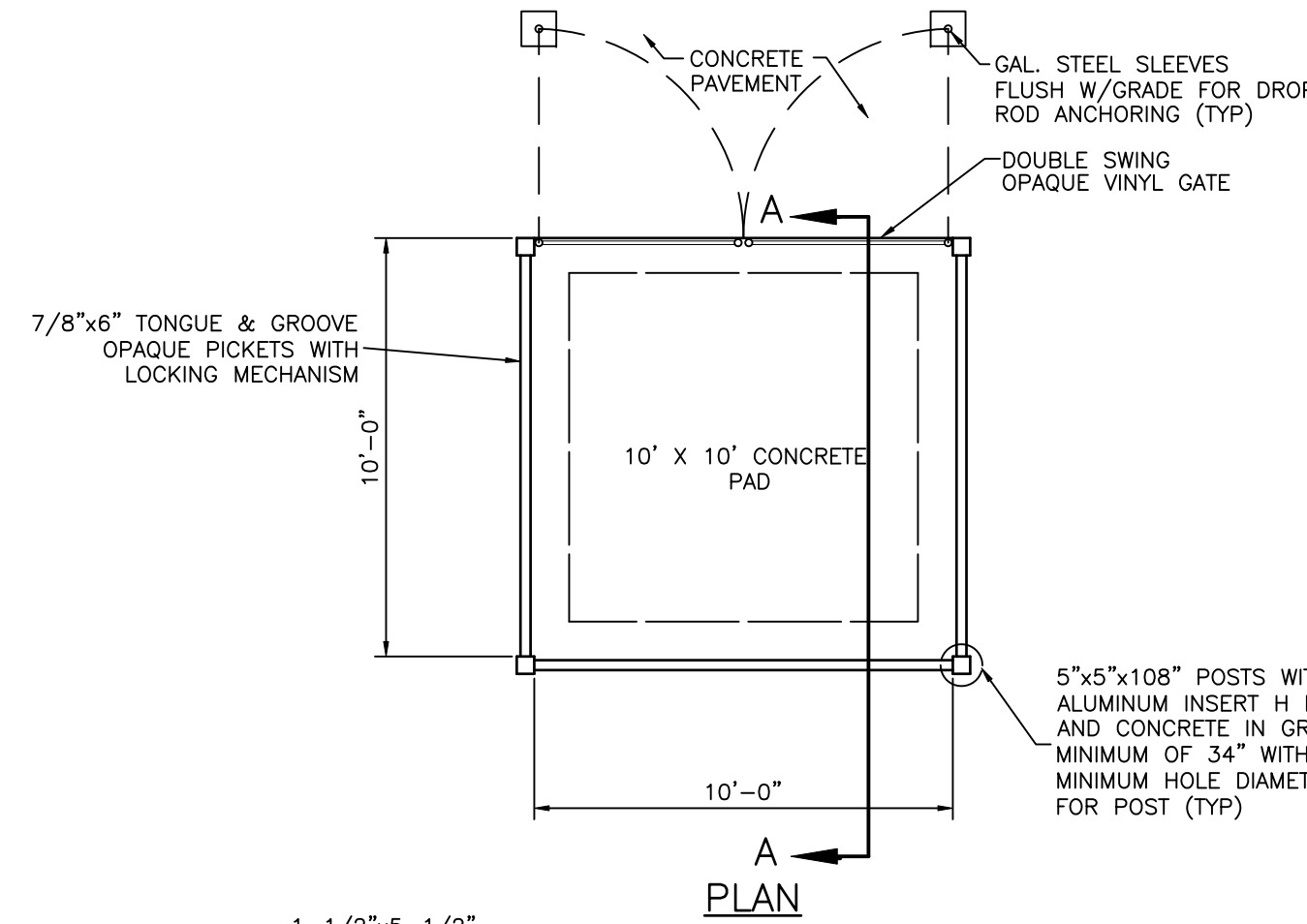
TYPICAL CONCRETE SECTION FOR ASSEMBLY AREAS
 N.T.S.

- NOTES:**
- SUBGRADE SOILS SHOULD BE DENSIFIED TO AT LEAST 98% OF MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY (ASTM D1557, AASHTO T-180) TO A DEPTH OF AT LEAST 1 FEET PRIOR TO PLACEMENT OF CONCRETE.
 - THE SURFACE OF THE SUBGRADE SOILS SHOULD BE SMOOTH, AND ANY DISTURBANCES OR WHEEL RUTTING CORRECTED PRIOR TO PLACEMENT OF CONCRETE.
 - THE SUBGRADE SOILS SHOULD BE MOISTENED PRIOR TO PLACEMENT OF CONCRETE.
 - CONCRETE THICKNESS SHOULD BE UNIFORM THROUGHOUT.
 - SEE SITE PLAN FOR CONCRETE (ASSEMBLY AREA) LOCATIONS.
 - ALL CONCRETE AREAS SHALL NOT EXCEED 2% CROSS SLOPE IN ACCORDANCE WITH THE AMERICAN WITH DISABILITIES ACT (ADA).
 - ALL EDGES SHALL HAVE A 0.5\" RADIUS.

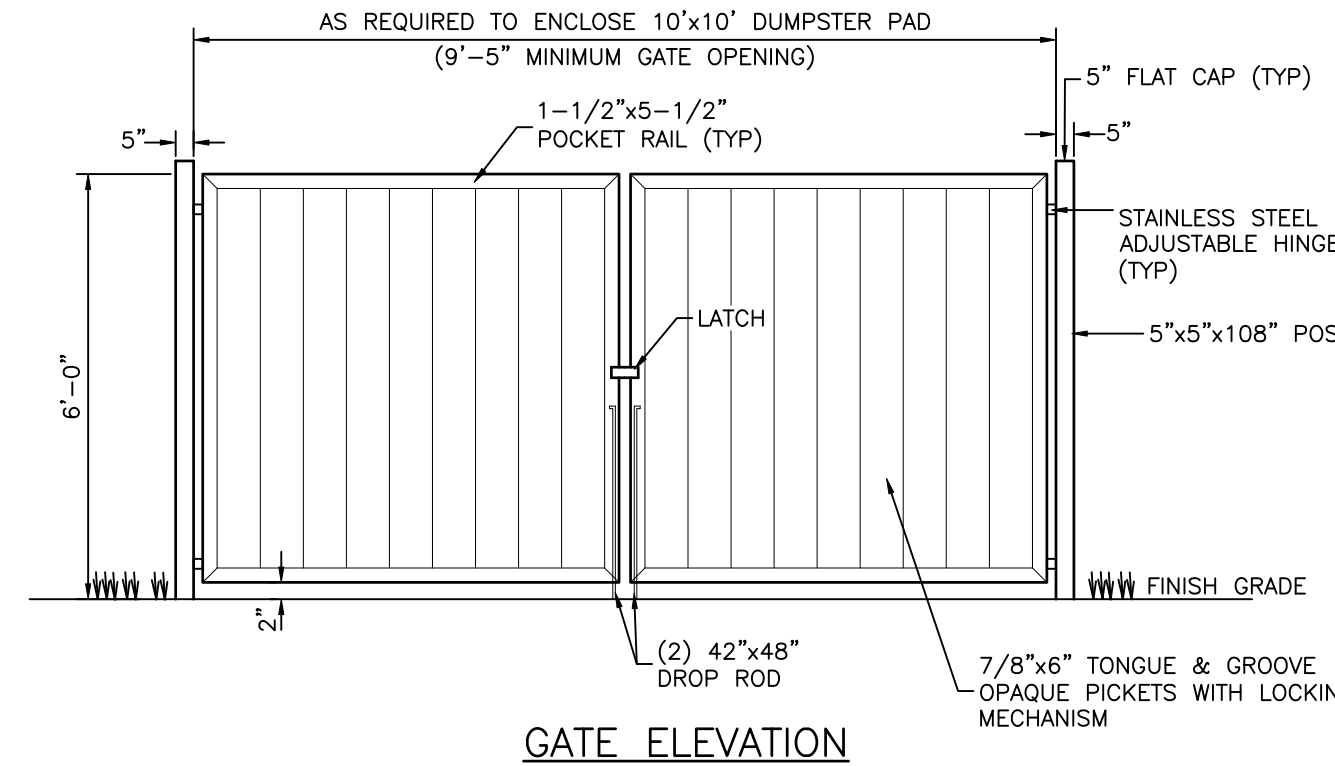


DUMPSTER PAD TYPICAL DETAILS
 N.T.S.

NOTE: MINIMUM GATE OPENING THRU FENCE OR SCREEN IS 9'-5"
 SEE TYPICAL DUMPSTER ENCLOSURE DETAIL FOR CONCRETE PAD DIMENSION



TYPICAL DUMPSTER ENCLOSURE DETAIL
 N.T.S.



GATE ELEVATION

- NOTES:**
- ENCLOSURE & GATES TO BE PEBBLESTONE PICKET AS MANUFACTURED BY POLY VINYL CREATIONS (OR APPROVED EQUAL). FINAL COLOR TO BE APPROVED BY COUNTY.
 - CONTRACTOR TO SUBMIT TO THE COUNTY/ENGINEER SHOP DRAWINGS AND SIGNED & SEALED WINDLOAD CALCULATIONS MEETING BUILDING CODE REQUIREMENTS.
 - CONTRACTOR SHALL INCLUDE ANY BUILDING PERMITTING REQUIRED FOR DUMPSTER PAD, ENCLOSURE, & GATES IN THEIR BID PRICE.
 - ALL GATE POSTS TO BE 5\"/>

GENERAL SITE CONSTRUCTION NOTES:

- THERE SHALL BE NO CHANGE OR DEVIATION FROM THESE PLANS WITHOUT PRIOR APPROVAL BY THE ENGINEER.
- ALL CLEARING AND GRUBBING DEBRIS TO BE BURNED OR REMOVED FROM SITE AND IS PART OF CLEARING AND GRUBBING ITEM. A BURN PERMIT IS REQUIRED TO BE OBTAINED BY THE CONTRACTOR IF BURNING IS TO OCCUR.
- ALL PROPOSED GROUND ELEVATIONS ARE FINISHED SOD ELEVATIONS. FINISH EARTHWORK GRADING SHALL BE 0.2 FEET BELOW ELEVATIONS SHOWN TO ALLOW FOR SOD THICKNESS.
- SODDING INCLUDES MAINTAINING SLOPES AND SOD UNTIL COMPLETION AND ACCEPTANCE OF TOTAL PROJECT OR GROWTH IS ESTABLISHED, WHICHEVER COMES LAST. UNTIL THEN, ALL EROSION, SILTATION, AND MAINTENANCE OF GRADES AND GRASS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- CERTAIN TREES ARE DESIGNATED BY THE OWNER TO BE SAVED AND PROTECTED BY THE CONTRACTOR. IT IS ASSUMED THESE TREES ARE HEALTHY AND ARE EXPECTED TO BE PART OF THE LANDSCAPE DEVELOPMENT. THEREFORE, IF ANY TREE(S) ARE DAMAGED BY CONSTRUCTION OPERATIONS OR BY OTHER MEANS (EXCLUDING LIGHTNING, WINDSTORM AND OTHER ACTS OF GOD) AND FRISHES WITHIN THE CONSTRUCTION PERIOD, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND DISPOSE OF THOSE TREES. CITY OF PALMETTO APPROVAL IS REQUIRED PRIOR TO REMOVAL OF ANY TREES DESIGNATED TO REMAIN. NO ADDITIONAL COMPENSATION SHALL BE MADE BY THE OWNER FOR THE LABOR, MATERIAL, OR MACHINERY REQUIRED TO REMOVE SAID TREE(S).
- WHERE EXCAVATIONS ARE IN CLOSE PROXIMITY OF TREES, THE CONTRACTOR SHALL USE EXTREME CARE IN NOT DAMAGING THE ROOT SYSTEM. NO EQUIPMENT, SUPPLIES, OR VEHICLES SHALL BE STORED OR PARKED WITHIN THE DRIP LINE OF TREES TO REMAIN AND BE PRESERVED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL OF HIS EMPLOYEES AND SUBCONTRACTORS OF THIS REQUIREMENT AND TO ENFORCE SAME.
- LAY SOD AROUND ALL INLETS, MITERED ENDWALLS, HEADWALLS, SWALES, LAKE SLOPES, ADJACENT TO EDGE OF PAVEMENT AND ADJACENT TO BACK OF CURB AS SHOWN IN DETAILS OR AS DIRECTED BY THE ENGINEER.
- NOTIFY "SUNSHINE STATE ONE CALL (1-800-432-4770), MANATEE COUNTY PUBLIC WORKS DEPARTMENT, CITY OF PALMETTO PUBLIC WORKS DEPARTMENT, FLORIDA POWER & LIGHT, VERIZON AND ANY UTILITIES (GAS COMPANIES, CABLE TV, ETC.) PRIOR TO CONSTRUCTION AND PRIOR TO ANY CONNECTION TO EXISTING UTILITIES. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT EXISTING UTILITIES FROM DAMAGE.
- ALL UTILITY LINES, STORM DRAIN LINES AND ACCESSORIES SUCH AS, BUT NOT LIMITED TO, MANHOLES, CLEANOUTS, SEWER AND WATER SERVICES, VALVES, FIRE HYDRANTS AND INLETS SHALL BE CONSTRUCTED TO ALIGNMENT AND LOCATIONS SHOWN ON PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- CLEARING, GRUBBING, STRIPPING, AND COMPACTION SHALL BE INSPECTED BY THE ENGINEER OR HIS DULY APPOINTED REPRESENTATIVE PRIOR TO FILLING.
- PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, PRESERVE AREAS WITHIN AND ADJOINING THE AREA OF CONSTRUCTION ACTIVITY SHALL BE PROTECTED BY ERECTION OF TREE PROTECTION BARRICADES AND/OR SILT BARRIERS. SILT BARRIERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES DETAIL DRAWING. THE ENGINEER SHALL DETERMINE THE EXTENT AND TYPE OF PROTECTIVE MEASURES TO BE CONSTRUCTED FOR THE PROTECTION OF PRESERVE AREAS SUBJECT TO THE APPROVAL OF SWFWMD & THE CITY OF PALMETTO. THE CONTRACTOR SHALL NOTIFY THE ENGINEER & THE CITY OF PALMETTO WHEN PRESERVE AREA BARRICADES AND BARRIERS ARE IN PLACE. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ANY REQUIRED TREE REMOVAL PERMIT FROM THE CITY OF PALMETTO.
- ALL LIMITS OF CONSTRUCTION FOR THE OUTFALL PIPE/STRUCTURE/SPEADER SWALE SHALL BE STAKED PRIOR TO ANY CONSTRUCTION WITHIN THE LAKES OR WETLAND/BUFFERS. APPROVAL FROM THE ENGINEER, AND THE OWNER IS REQUIRED BEFORE EQUIPMENT CAN BE USED WITHIN THE LAKE OR WETLAND/BUFFER. THE ENGINEER SHALL BE ON SITE DURING CONSTRUCTION WITHIN THE LAKE OR WETLAND/BUFFER.
- LOCATION OF ALL STORM STRUCTURES (WEIR, MITERED END, CONTROL STRUCTURE, GRATE INLET, ETC.) ADJACENT TO A WETLAND SHALL BE APPROVED BY THE ENGINEER OR HIS REPRESENTATIVE AFTER SURVEY STAKE OUT AND PRIOR TO INSTALLATION.
- FILLING, EXCAVATING OR REMOVAL OF NATIVE VEGETATION SHALL BE PROHIBITED IN THE PRESERVATION AREA, UNLESS APPROVED BY THE CITY OF PALMETTO.
- THE CONTRACTOR SHALL ADHERE TO AND HAVE A COPY OF THE SWFWMD PERMIT FOR THE PROJECT ON SITE.
- ALL CONCRETE PIPE SHALL HAVE A FILTER FABRIC JACKET MINIMUM 12" EACH SIDE OF JOINT WITH MINIMUM 24" OVERLAP AT SEAM PER FDOT INDEX #280 & #199 & ALL APPLICABLE CITY REQUIREMENTS. IN ADDITION, ALL ELLIPTICAL PIPE SHALL HAVE ALL JOINTS WRAPPED.
- CONTRACTOR SHALL SPRINKLE OR OTHERWISE APPLY WATER TO AFFECTED CONSTRUCTION AREAS TO CONTROL BOTH SIGNIFICANT WIND EROSION AND FUGITIVE DUST.
- CONTRACTOR SHALL CONSTRUCT ALL VALVES SO THAT NO VALVE BOXES ARE LOCATED IN HANDICAP RAMPS AND/OR CURBING. IF VALVES ARE FOUND TO BE IN THESE LOCATIONS, THE COST OF VALVE RELOCATION IS THE CONTRACTOR'S RESPONSIBILITY.
- THRUST BLOCKS AND JOINT RESTRAINTS DETAILS ON THE WATER DISTRIBUTION DETAILS SHEET SHALL ALSO APPLY TO FORCE MAIN, IRRIGATION & WATER MAINS.
- TRENCH DETAILS ON THE WASTEWATER COLLECTION CONSTRUCTION DETAILS SHEET SHALL ALSO APPLY TO FORCE MAIN, IRRIGATION & WATER MAINS.
- THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS THAT MEET OR EXCEED THE REQUIREMENTS OF THE SWFWMD ERP INFORMATION MANUAL, LATEST EDITION AND THE CITY OF PALMETTO.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL DURING CONSTRUCTION IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES MILLENNIUM EDITION AND THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS, 2006, TRAFFIC CONTROL THROUGH WORK ZONES, SERIES 600 INDICES.

- LANDSCAPE SOIL**
 LANDSCAPE SOIL SHALL BE NATURAL, FERTILE, AGRICULTURAL SOIL CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. IT SHALL BE OF UNIFORM COMPOSITION THROUGHOUT. IT SHALL BE FREE OF STONES, LUMPS, ROOTS, STICKS AND OTHER EXTRANEOUS MATTER. UNLESS OTHERWISE NOTED, SMOOTH ALL PREPARED LANDSCAPE SOIL TO 3 INCHES BELOW TOP OF SURROUNDING PAVEMENT EDGES.
 FINISH GRADE ALL LANDSCAPE SOIL AREAS TO A SMOOTH, EVEN SURFACE ASSURING POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES AND ANY ELIMINATE ANY LOW AREAS WHICH MAY COLLECT WATER.
 SOIL SHALL MEET THE CLASSIFICATION OF COARSE LOAMY SAND TO A DEPTH OF 36" IN ALL AREAS OF PROPOSED LANDSCAPING AS FOLLOWS:
 - SAND CONTENT AFTER MIXING SHALL BE A MINIMUM OF 85% SAND HAVING A PARTICLE SIZE OF 0.05-2.00 MM (A MINIMUM OF 25% OF WHICH SHALL BE CLASSIFIED AS COARSE SAND HAVING A PARTICLE SIZE OF 0.5-1.0 MM AND A MAXIMUM OF 50% OF ANY OTHER SAND GRADE), 4.0-5.0% SILT HAVING A PARTICLE SIZE OF 0.002-0.05 MM, AND 6.0-8.0% CLAY.
 - ORGANIC MATTER CONTENT OF THE SOIL LAYER SHALL BE A MINIMUM OF 3.0% AND MAXIMUM OF 6.0%.
 - PH SHALL BE 5.5-7.0

THE CONTRACTOR SHALL TEST THE PROPOSED SOIL MIXTURE PRIOR TO PLACEMENT OF FILL TO ENSURE THAT THE ABOVE REFERENCED LANDSCAPE SOIL SPECIFICATIONS ARE MET. UPON COMPLETION OF SITE GRADING, THE CONTRACTOR SHALL SUBMIT LABORATORY TESTS FROM A MINIMUM OF 8 LOCATIONS AS DETERMINED BY THE ENGINEER/LANDSCAPE ARCHITECT. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH TESTING.

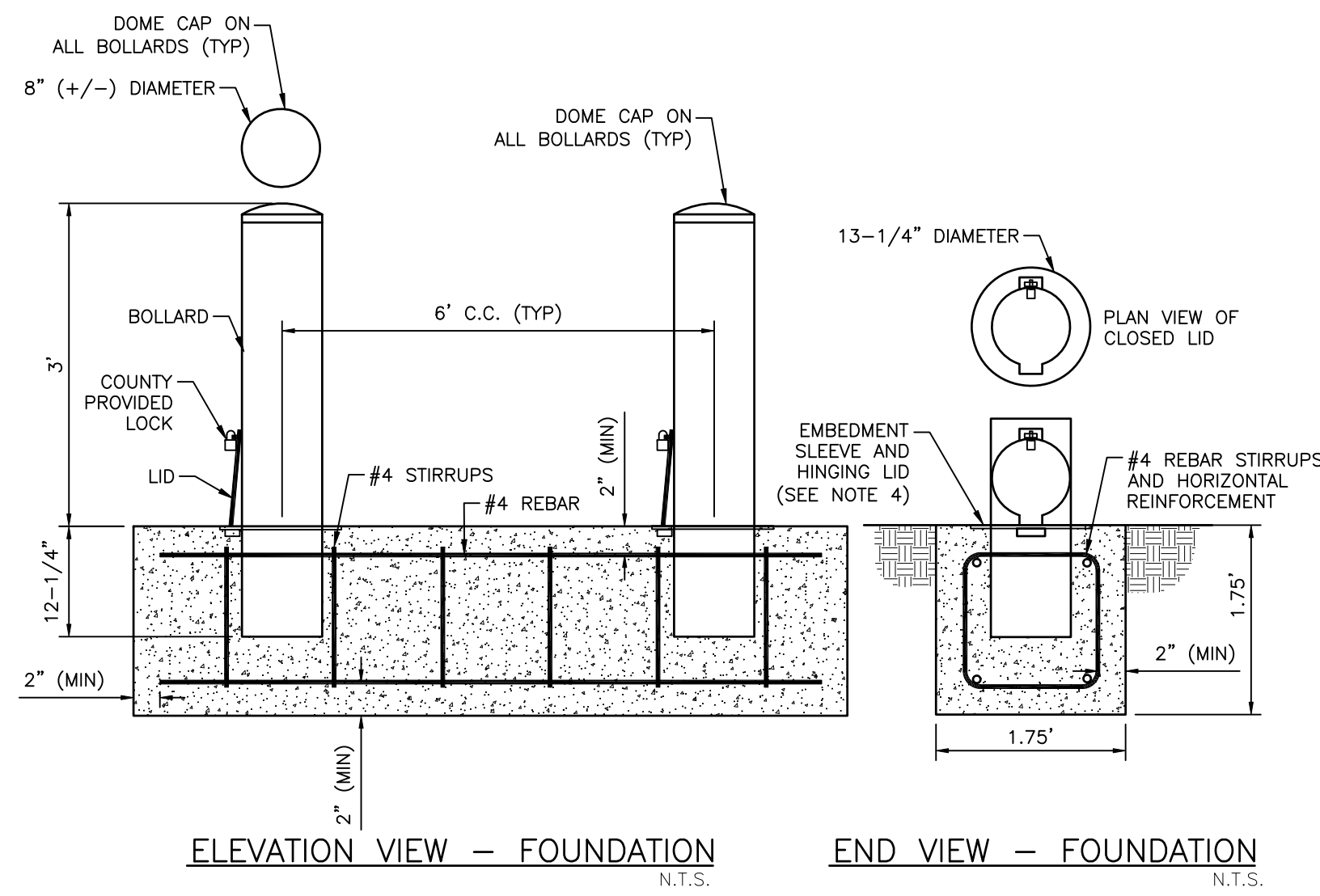
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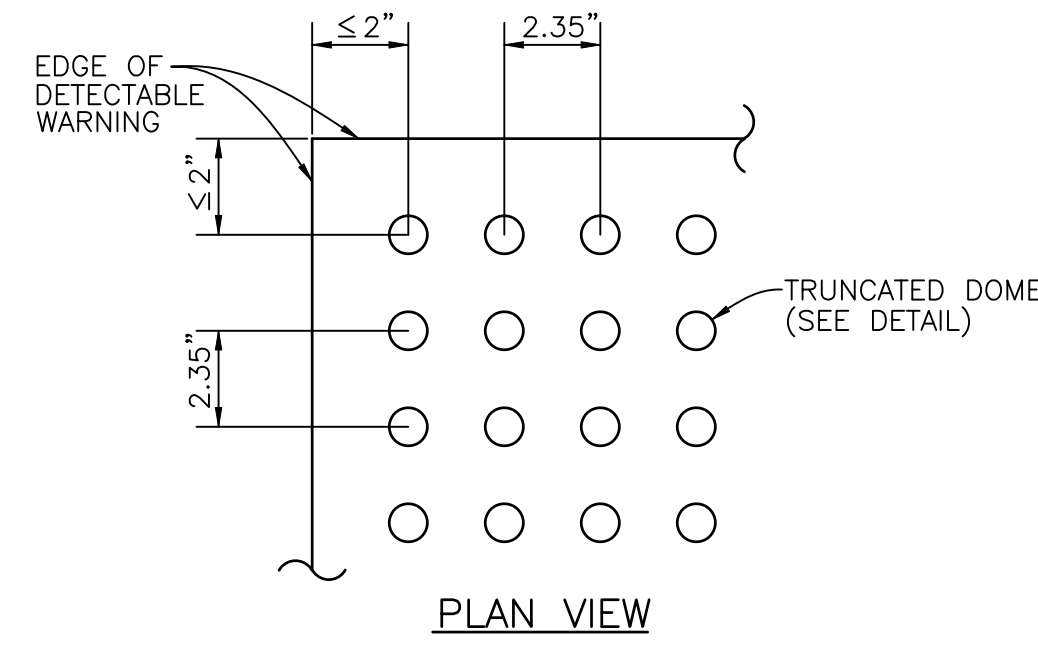
CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS
PROJECT:	BLACKSTONE PARK EXPANSION

DATE:	DECEMBER 2012	TITLE:	TYPICAL SECTIONS AND CONSTRUCTION DETAILS
HORIZONTAL SCALE:	AS SHOWN	INDEX NUMBER:	D-215611237-009
VERTICAL SCALE:	AS SHOWN	SHEET NUMBER:	9 OF 19
CROSS REFERENCE FILE NO.:	215611237	PROJECT NUMBER:	215611237



- NOTES:**
- BOLLARDS TO BE 8" CARBON STEEL (SCH 80) SECURITY BOLLARDS AS MANUFACTURED BY CAL PIPE SECURITY BOLLARDS (IBP0808) OR APPROVED ALTERNATE. ALL BOLLARD TOPS SHALL HAVE A DOME CAP STYLE AND SHALL HAVE A BLACK POWDERCOAT FINISH. THE CONTRACTOR SHALL PROVIDE A COLOR SAMPLE (WITH THE SHOP DRAWINGS) TO THE ENGINEER AND COUNTY FOR REVIEW/APPROVAL PRIOR TO FABRICATION.
 - ALL BOLLARDS AND FOOTINGS SHALL BE INSTALLED/CONSTRUCTED PER MANUFACTURER'S SPECIFICATIONS. LOCKS FOR REMOVABLE BOLLARDS TO BE PROVIDED BY THE COUNTY.
 - ALL HINGING LIDS FOR THE REMOVABLE BOLLARDS SHALL BE POSITIONED TO OPEN DIRECTLY AWAY FROM THE PARKING LOT DRIVE AISLE.
 - EMBEDMENT SLEEVE AND HINGING LID TO BE PROVIDED FOR REMOVABLE BOLLARDS ONLY. PLEASE SEE SHEET 4 FOR THE SPECIFIC LOCATIONS OF THE REMOVABLE BOLLARDS AND FIXED BOLLARDS.

BOLLARD DETAIL
N.T.S.



TRUNCATED DOME
N.T.S.

CURB RAMP DETECTABLE WARNING DETAIL

NOTES:
DETECTABLE WARNINGS ON WALKING SURFACES

ALL DETECTABLE WARNINGS SURFACES/TRUNCATED DOMES SHALL BE VANGUARD ADA SYSTEMS (OPL S527-0015) OR APPROVED ALTERNATE. THE ENTIRE DETECTABLE WARNING SURFACE SHALL BE SEAMLESS AND BLACK IN COLOR.

THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH AND DEPTH OF THE CURB RAMP.

DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCH, A HEIGHT OF NOMINAL 0.2 INCH AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCH AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT.

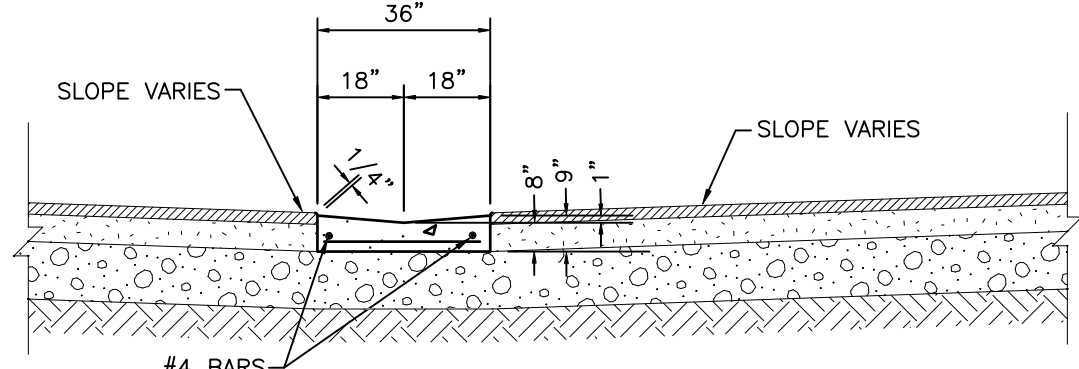
THE MATERIAL USED TO PROVIDE CONTRAST SHOULD CONTRAST BY AT LEAST 70%. CONTRAST IN PERCENT IS DETERMINED BY:

$$\text{CONTRAST} = \frac{B1 - B2}{B1} \times 100$$

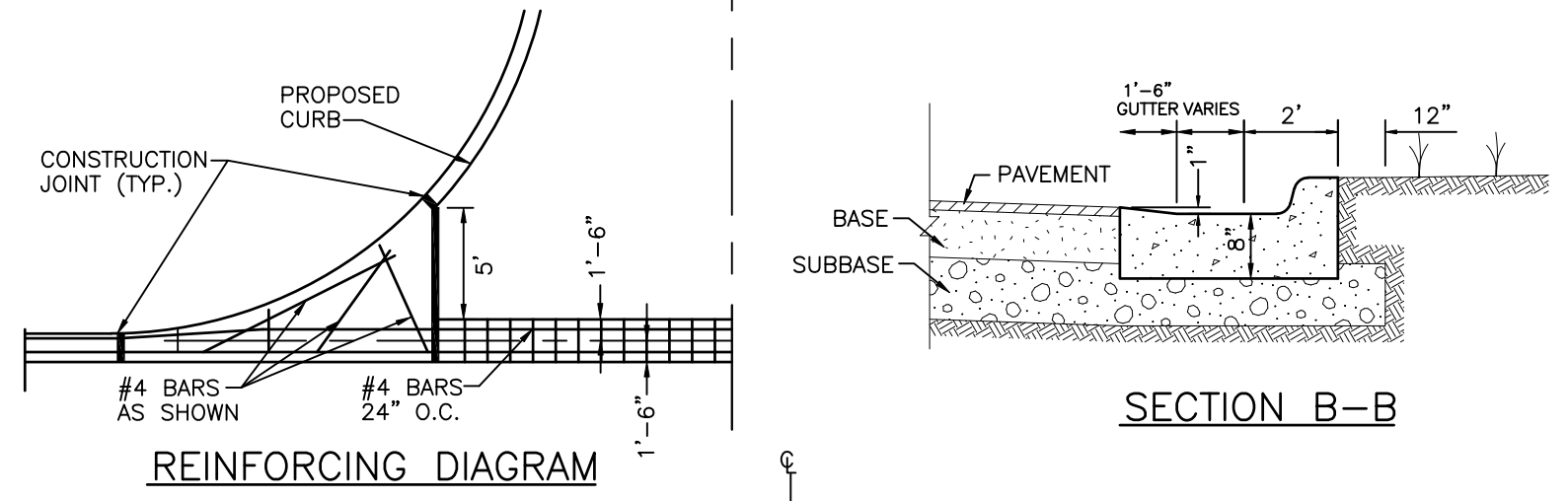
WHERE B1 = LIGHT REFLECTANCE VALUE (LRV) OF THE LIGHTER AREA AND B2 = LIGHT REFLECTANCE VALUE (LRV) OF THE DARKER AREA.

NOTE THAT IN ANY APPLICATION BOTH WHITE AND BLACK ARE NEVER ABSOLUTE; THUS, B1 NEVER EQUALS 100 AND B2 IS ALWAYS GREATER THAN 0.

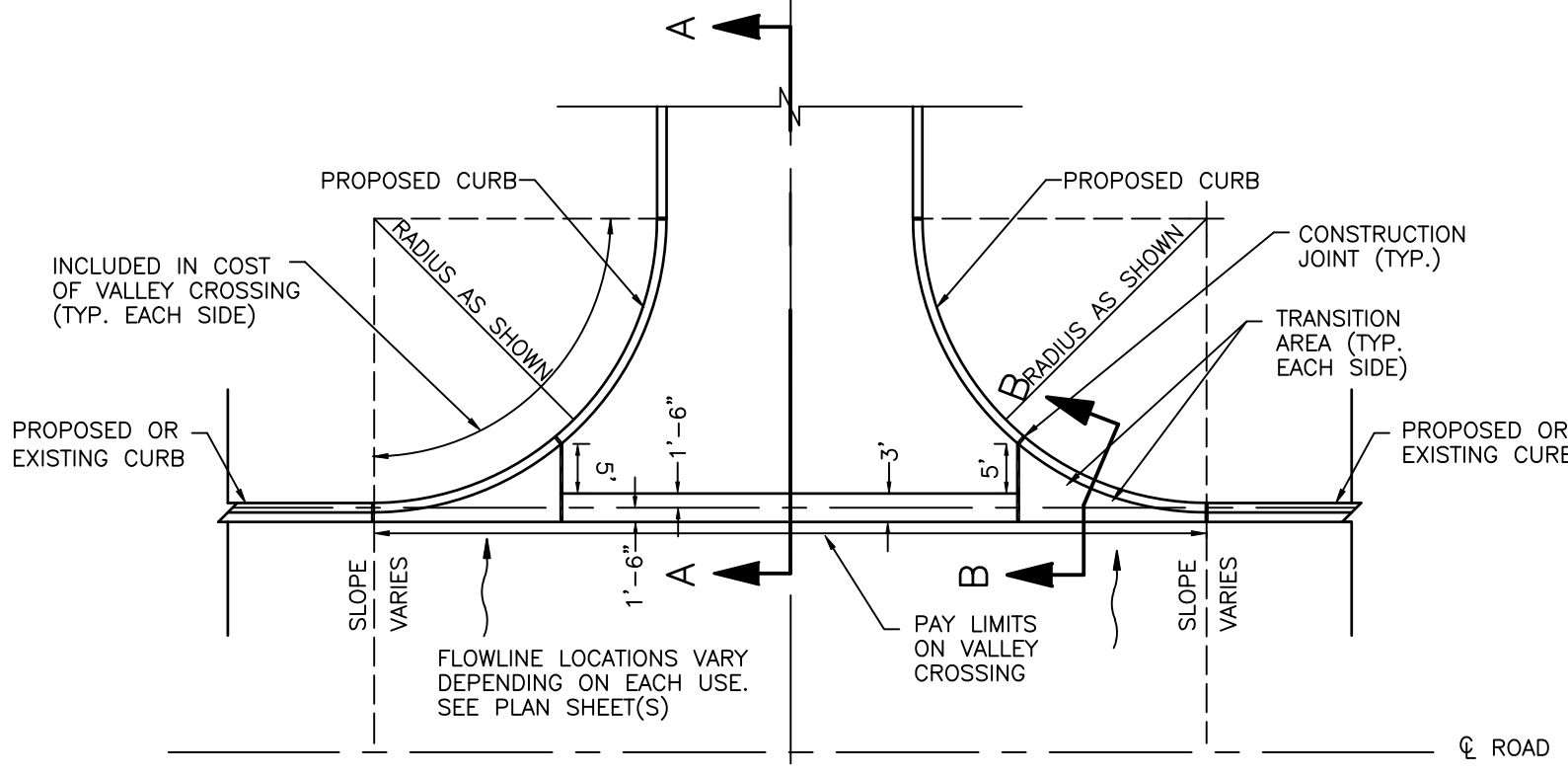
CURB RAMP DETECTABLE WARNINGS
N.T.S.



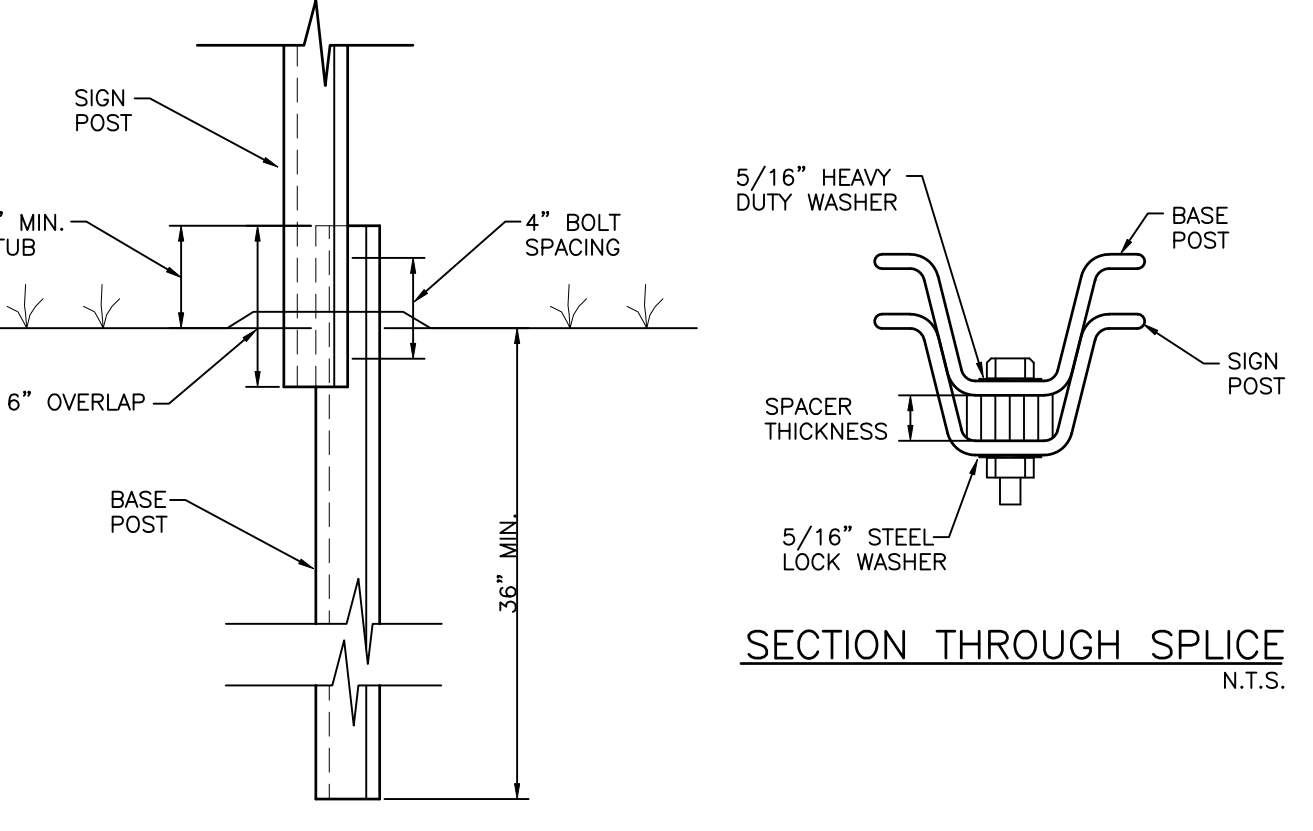
SECTION A-A



REINFORCING DIAGRAM



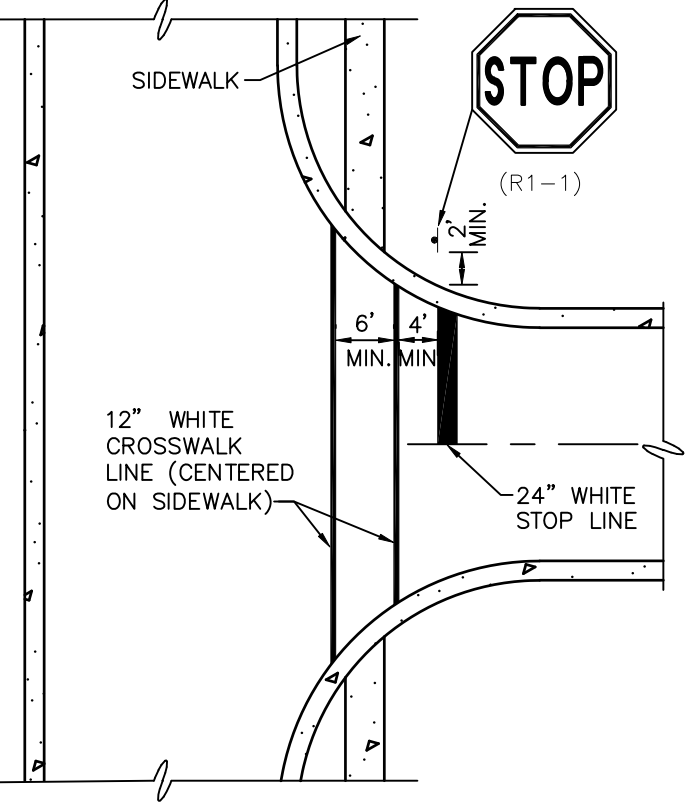
VALLEY CROSSING DETAIL
N.T.S.



SECTION THROUGH SPLICE
N.T.S.

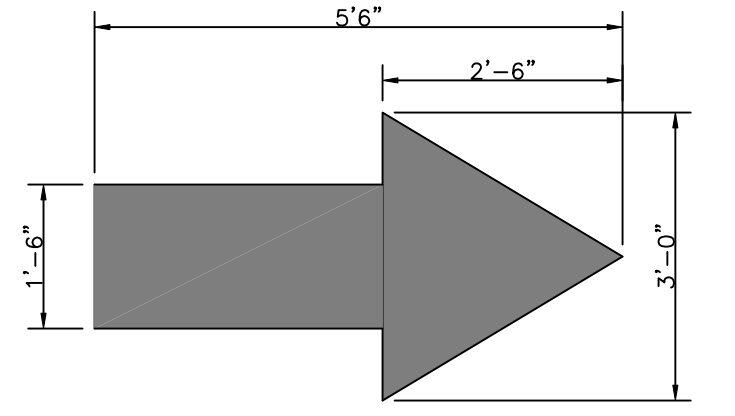
NOTE:
ALL MATERIALS AS PER F.D.O.T. SPECIFICATIONS, INDEX NO. 11865, AND ALL APPLICABLE CITY REQUIREMENTS.

SIGN POST BREAKAWAY DETAIL
N.T.S.

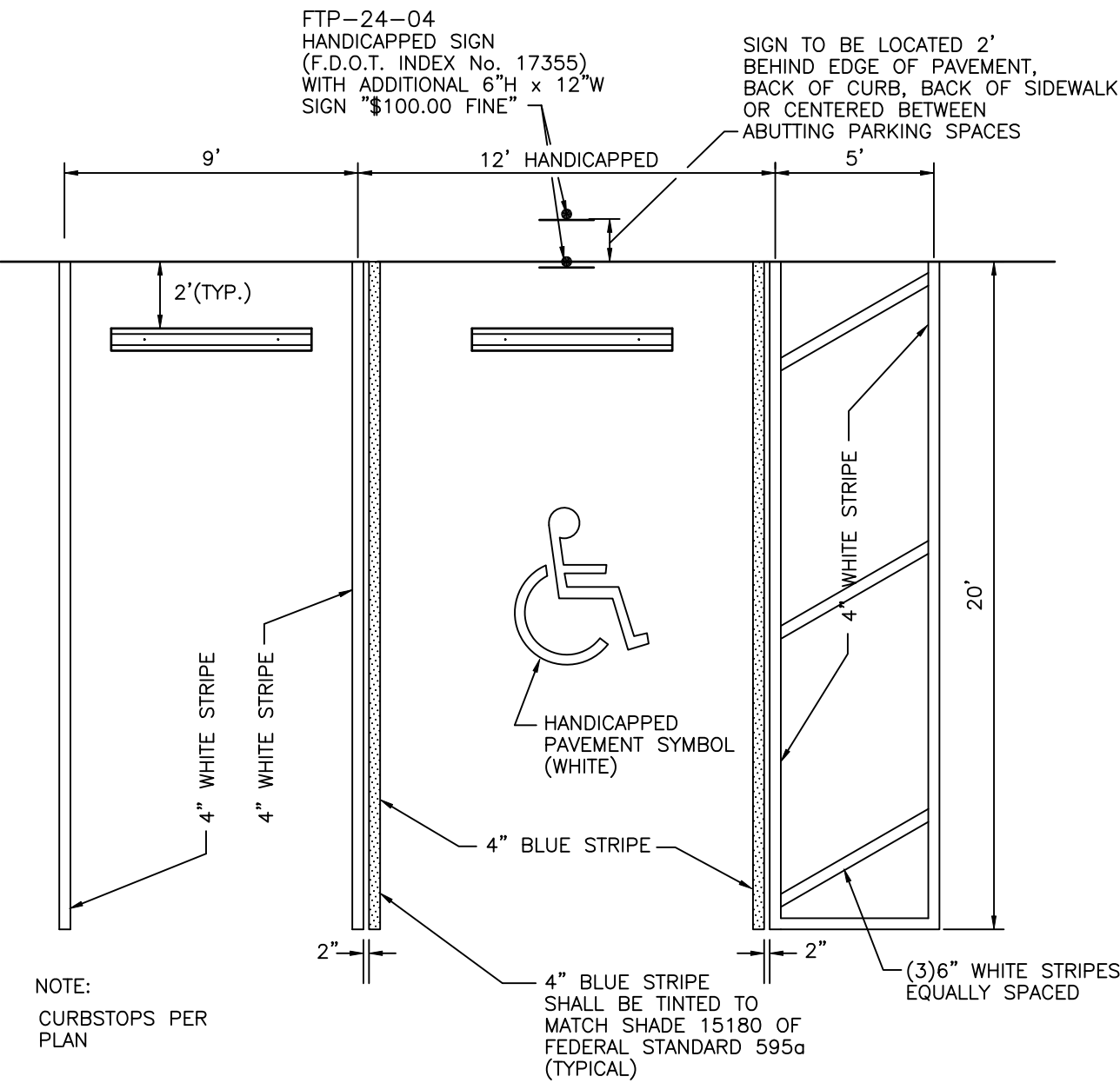


STOP SIGN, STOP LINE AND CROSSWALK LOCATION DETAIL
N.T.S.

NOTE:
ARROW TO BE PAINTED WHITE AND IN ACCORDANCE WITH FOOT SECTION 710 - PAINTING TRAFFIC STRIPES AND MARKINGS

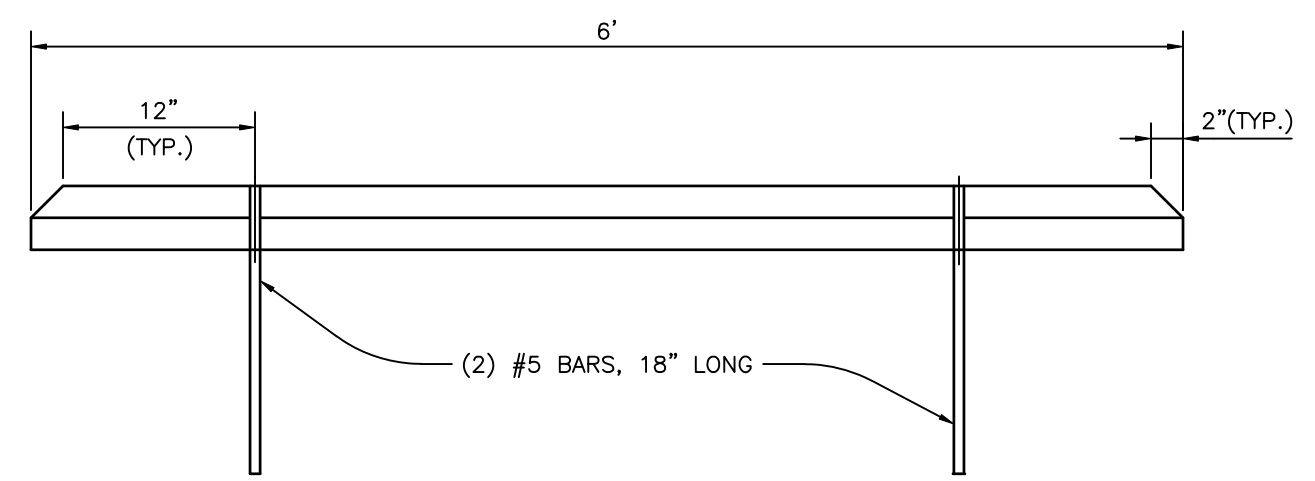


DIRECTIONAL ARROW MARKING
N.T.S.

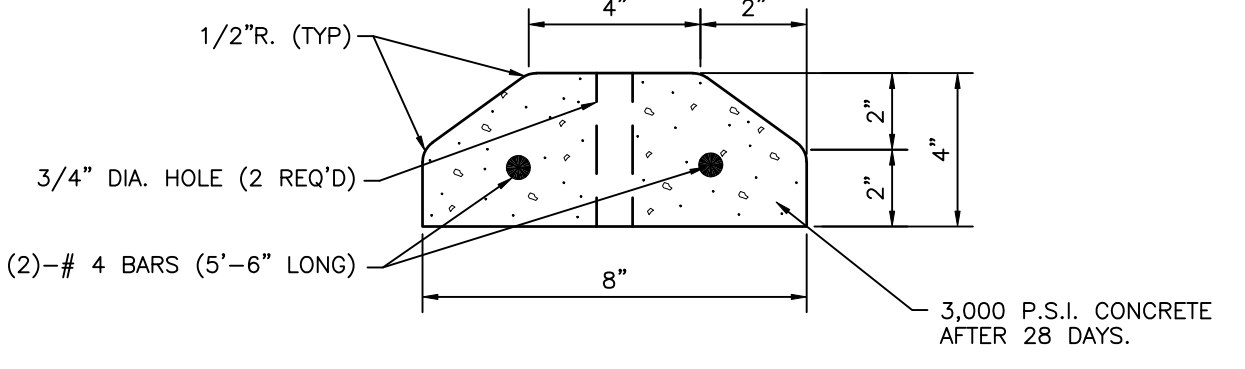


TYPICAL PARKING SPACE
N.T.S.

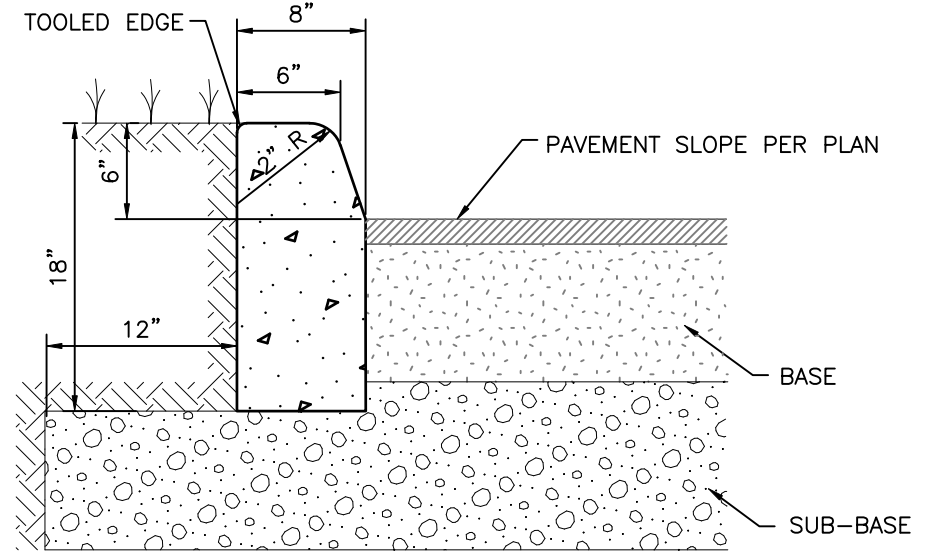
NOTE:
CURBSTOPS PER PLAN



PRECAST CONCRETE WHEEL STOP
N.T.S.



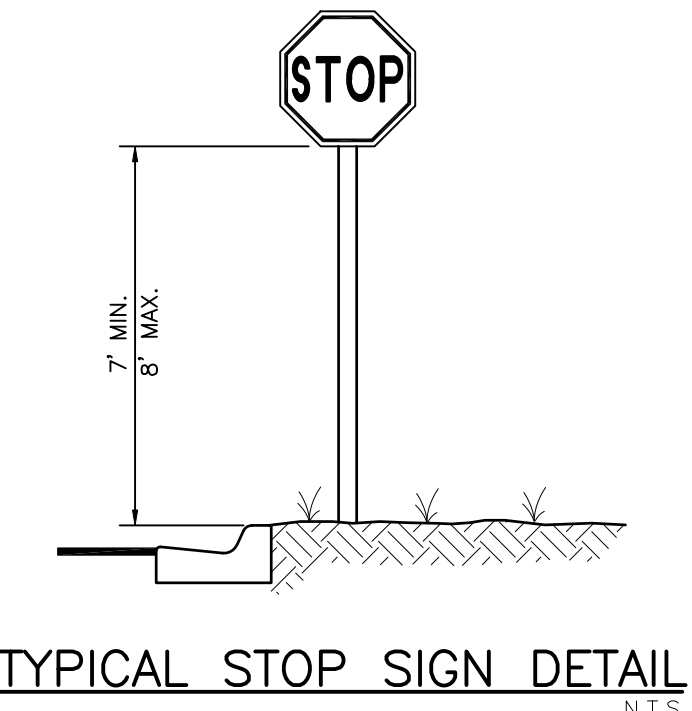
TYPE "D" CURB END TAPER
N.T.S.



CURB NOTES:

- CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 P.S.I. IN 28 DAYS UNLESS OTHERWISE NOTED.
- AN EXPANSION JOINT WILL BE PLACED AT THE END OF ALL RETURNS AT INTERVALS NOT TO EXCEED 50'. CONTRACTION JOINTS AT A MAXIMUM SPACING OF 10' SHALL BE SAW CUT AT DEPTH PER FDOT INDEX NO. 300.
- EXPANSION JOINTS SHALL BE CONSTRUCTED WITH 1/2" BITUMINOUS IMPREGNATED EXPANSION JOINT MATERIAL.

TYPE "D" CURB
N.T.S.



TYPICAL STOP SIGN DETAIL
N.T.S.

REV. NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	W/M APPROVED BY:

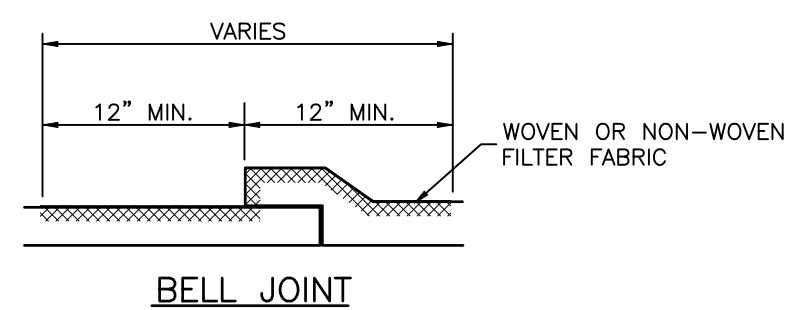
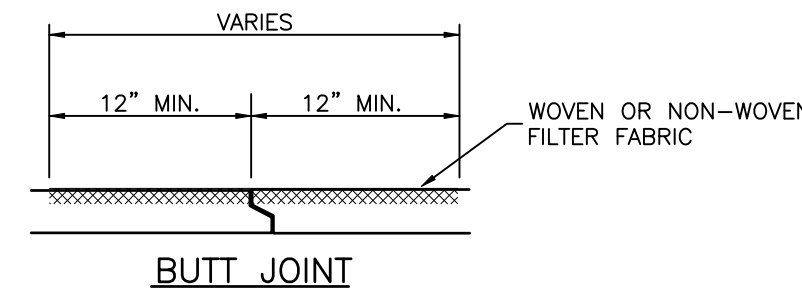
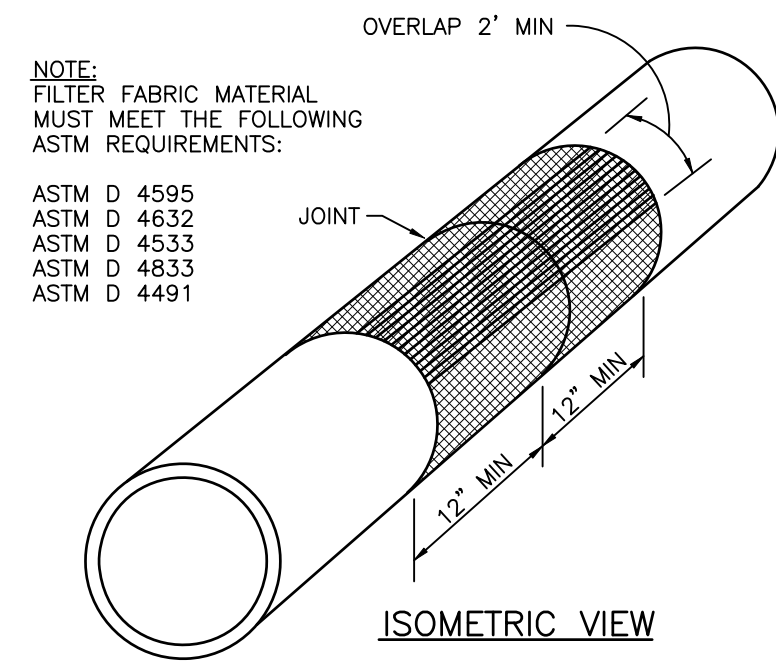
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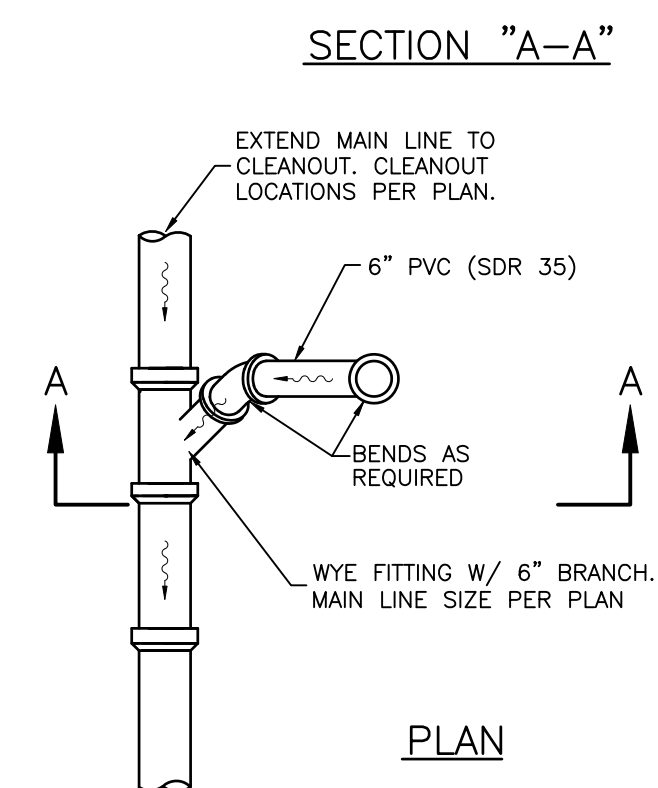
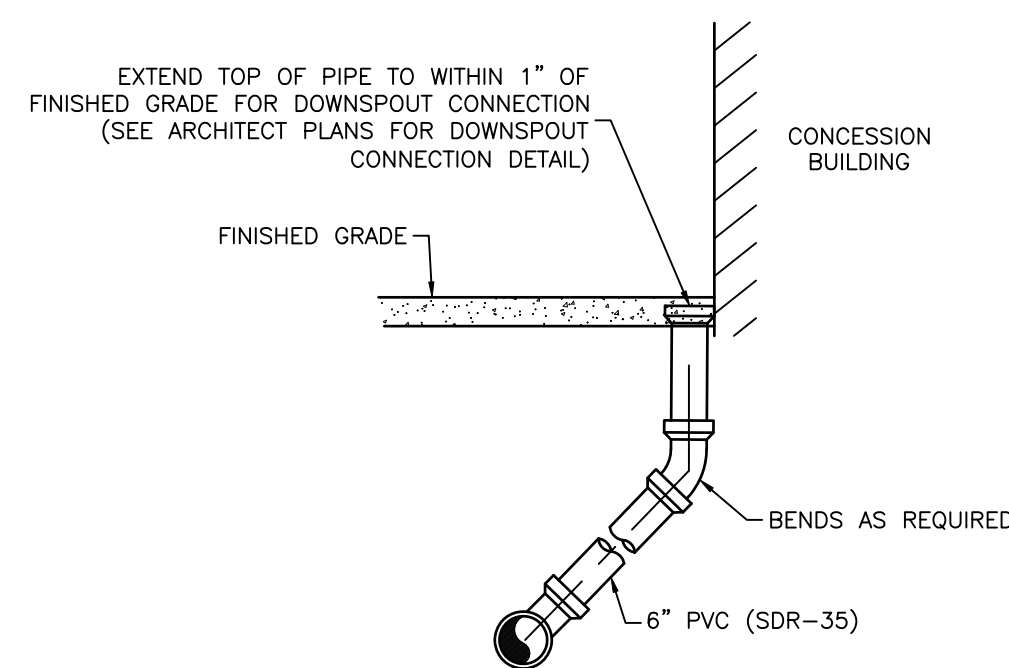
DATE:	DECEMBER 2012	TITLE:	PAVING DETAILS
HORIZONTAL SCALE:	AS SHOWN	CROSS REFERENCE FILE NO.:	PROJECT NUMBER:
VERTICAL SCALE:	AS SHOWN		215611237
SEC. TYP. SIZE:	11 3/4S 17E	SHEET NUMBER:	10 OF 19

DANIEL J. BOND, P.E.
FLORIDA LICENSE NO. 57969
INDEX NUMBER:
D-215611237-010



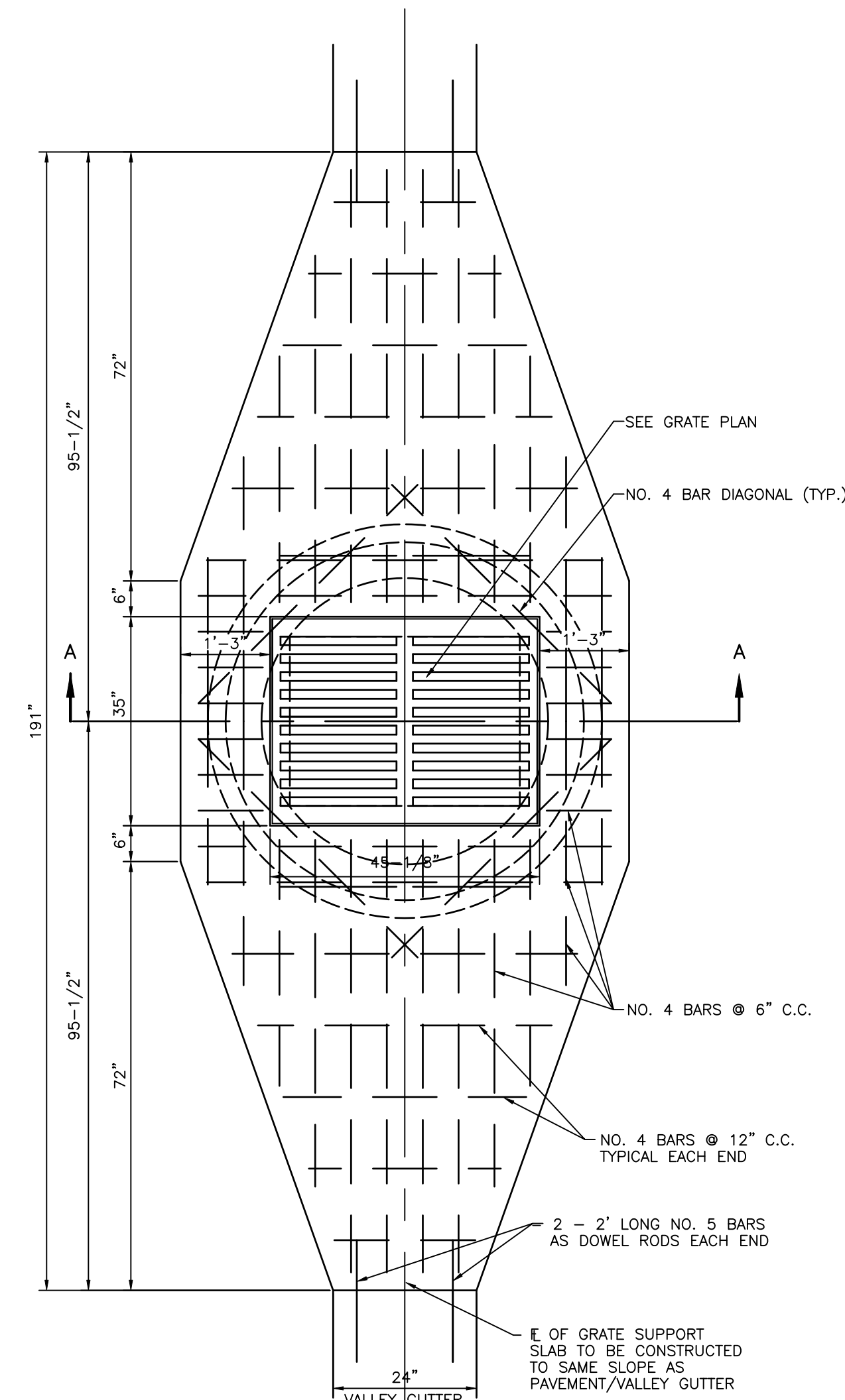
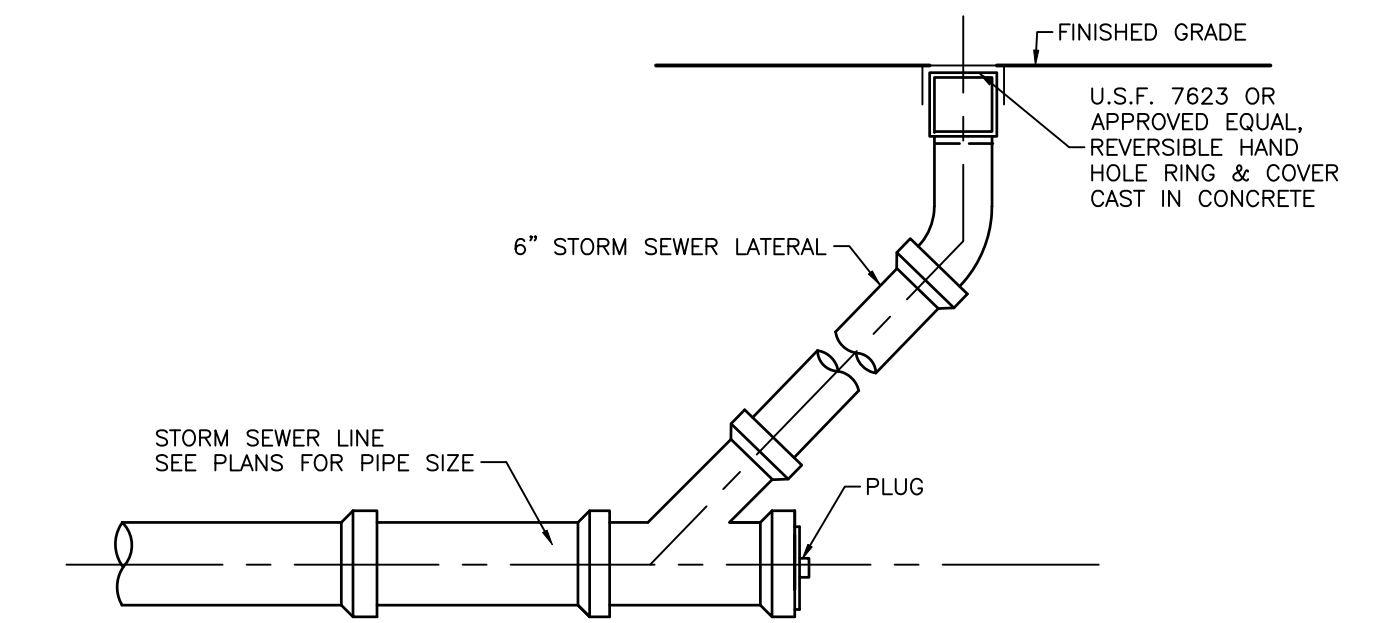
- NOTES:
1. CENTER FILTER FABRIC ON PIPE JOINT.
2. FILTER FABRIC TO OVERLAP A MIN. OF ONE FOOT.
3. PRICE OF FILTER FABRIC JACKET TO BE INCLUDED IN PRICE OF PIPE.
4. FILTER FABRIC WRAP SHALL ALSO BE PLACED ON THE GROUDED PIPE TO STRUCTURE JOINT PER FDOT INDEX 201

FILTER FABRIC JACKET
N.T.S.

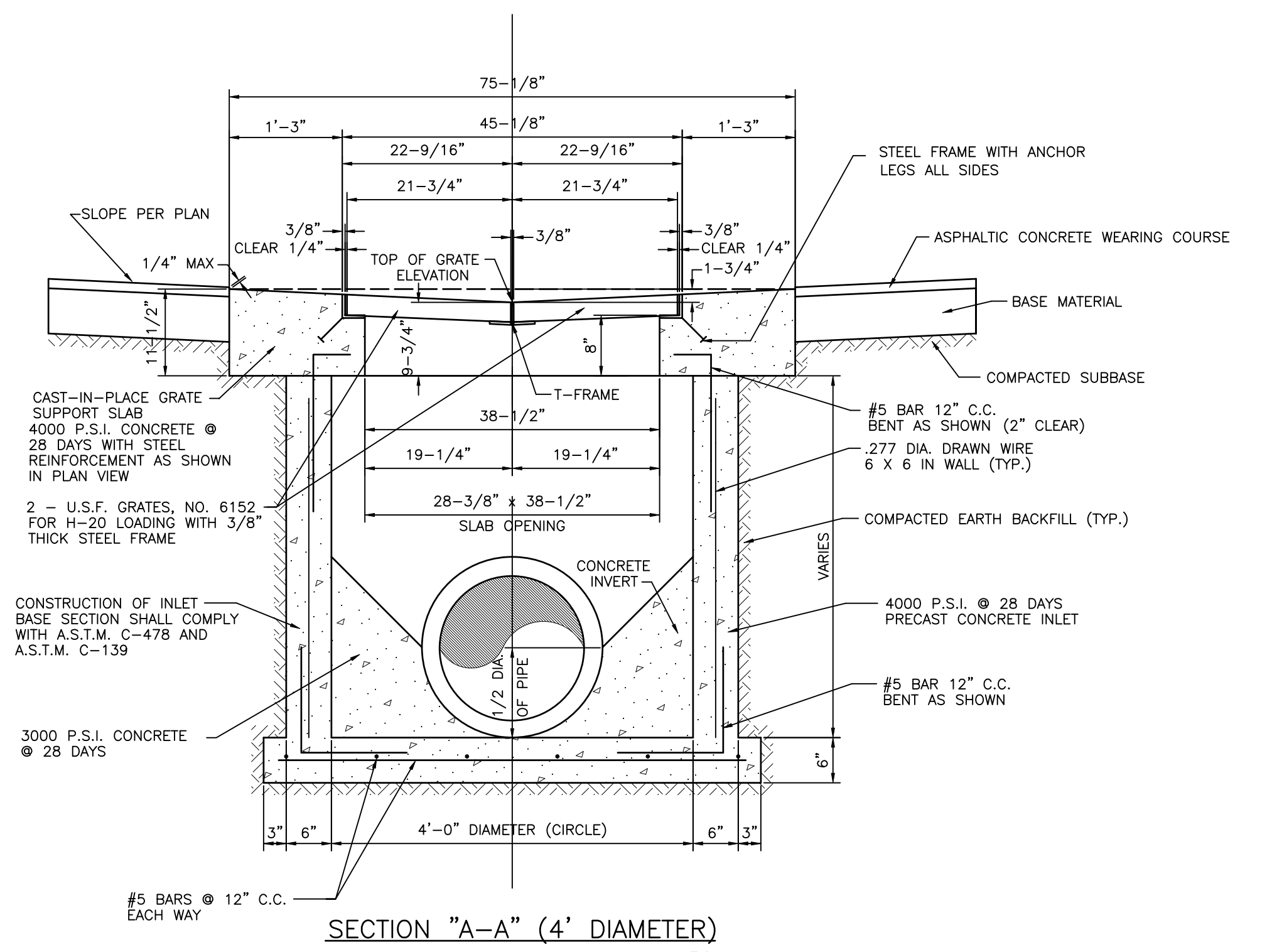


- NOTE:
1. CONTRACTOR TO CONFIRM FINAL DOWNSPOUT LOCATIONS PER ARCHITECT'S PLANS. CONTRACTOR TO ADJUST PIPING AS NEEDED TO AVOID BUILDING FOOTER. THE ELBOW PIPE CONNECTOR SHALL BE ABOVE FINISHED GRADE TO ALLOW FOR MAINTENANCE ACCESS TO ROOF DRAIN SERVICE BELOW CONCRETE SLAB.

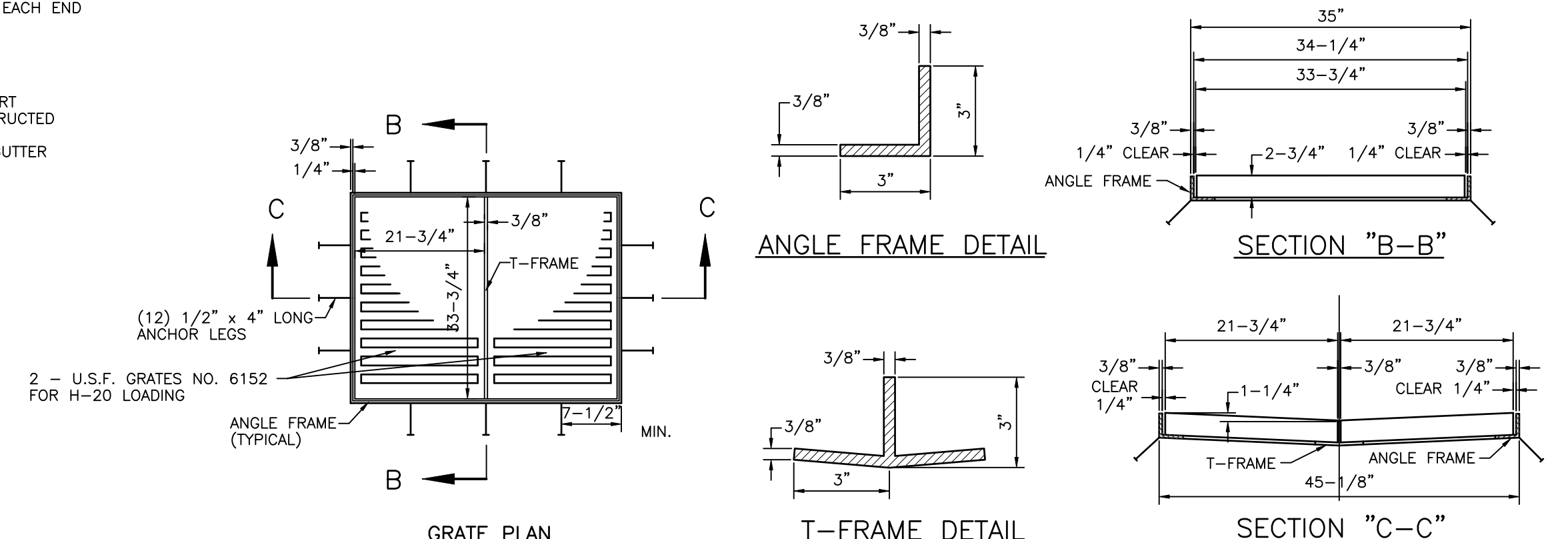
TYPICAL ROOF DRAIN SERVICE DETAIL
N.T.S.



- NOTES:
1. MATERIAL: GRATE-CAST IRON, FIELD APPLY ONE COAT OF ASPHALTIC PAINT. FRAME-STEEL, FIELD APPLY ONE COAT OF ASPHALTIC PAINT.
2. SEE DRAINAGE PLANS AND/OR STORMPIPING PLANS FOR PIPE SIZES, FLOWLINES AND DIRECTION. SEE UNDERDRAIN PLANS AND/OR DRAINAGE PLANS FOR UNDERDRAIN SIZES, FLOWLINES AND DIRECTION.
3. CONCRETE TEST CYLINDERS (3 MIN) SHALL BE TAKEN FOR EACH DAYS POUR OR EACH 50 YARDS WHICH EVER IS GREATER



OVERSIZED INLET NOTE: INLETS FOR PIPE LARGER THAN 30" CIRCULAR OR 19" x 30" OVAL SHALL BE CONSTRUCTED AS PER FOOT INDEX #200 ALTERNATE "B". TOP SLAB OF THE FDOT BOX SHALL HAVE A 30" x 40" OPENING. GRATE SUPPORT SHALL BE CONSTRUCTED ABOVE & CENTERED ON THE FDOT INLET BOX AS SHOWN IN THE PLAN VIEW AND SECTION A-A. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL. THERE SHALL BE 1/2" OF MORTAR BETWEEN THE GRATE SUPPORT SLAB AND THE TOP SLAB OF THE FDOT INLET BOX.



TYPE "J" INLET
S-D001(11/18/01) N.T.S.



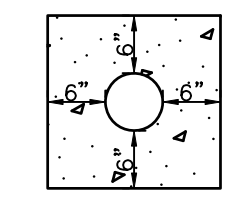
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CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS
PROJECT: BLACKSTONE PARK EXPANSION

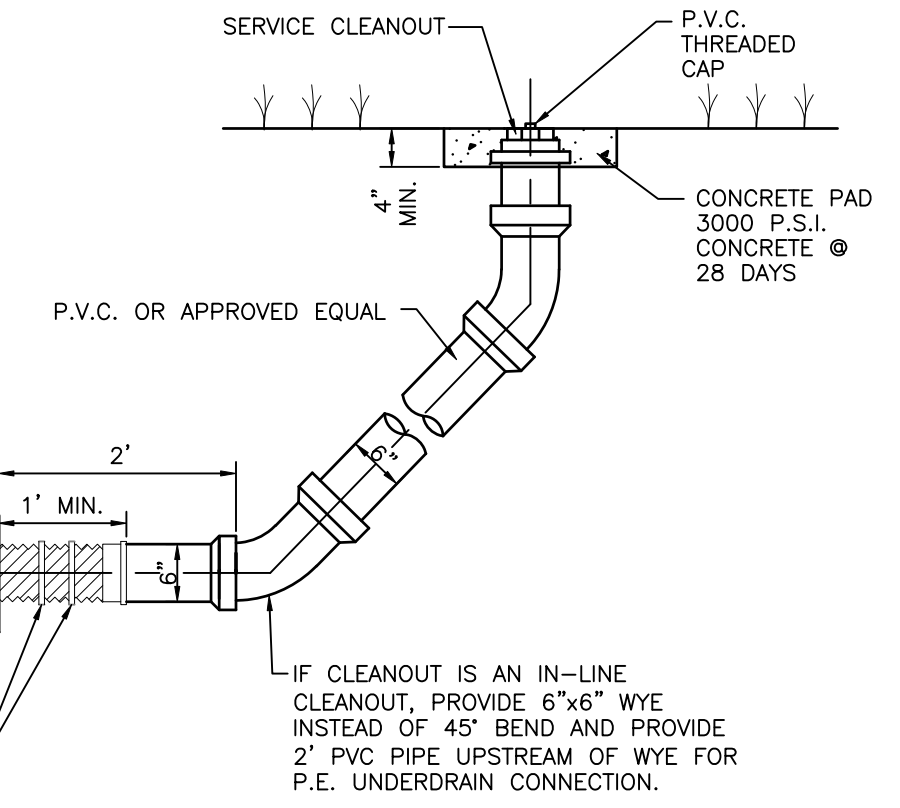
DATE: DECEMBER 2012
HORIZONTAL SCALE: AS SHOWN
VERTICAL SCALE: AS SHOWN
SEC. TWP. RISE: 11 34S 17E

TITLE: DRAINAGE DETAILS
PROJECT NUMBER: 215611237
SHEET NUMBER: 11 OF 19

REV. NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	W/M APPROVED BY:



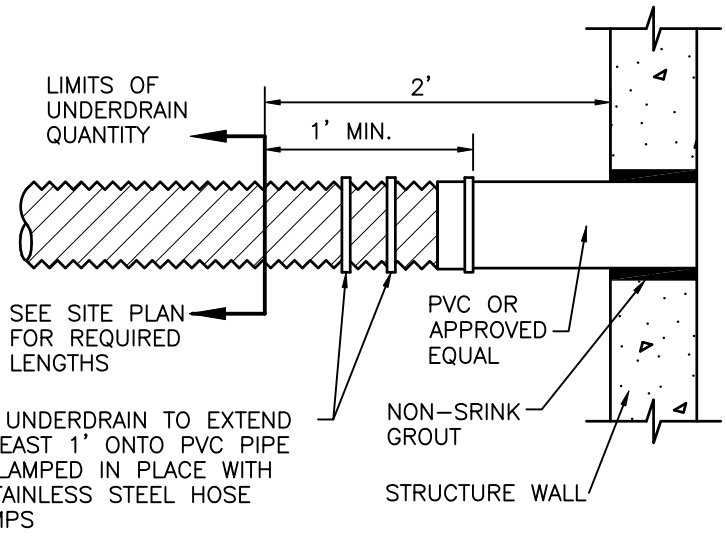
CONCRETE PAD DETAIL



P.E. UNDERDRAIN TO EXTEND AT LEAST 1' ONTO PVC PIPE & CLAMPED IN PLACE WITH 2 STAINLESS STEEL HOSE CLAMPS

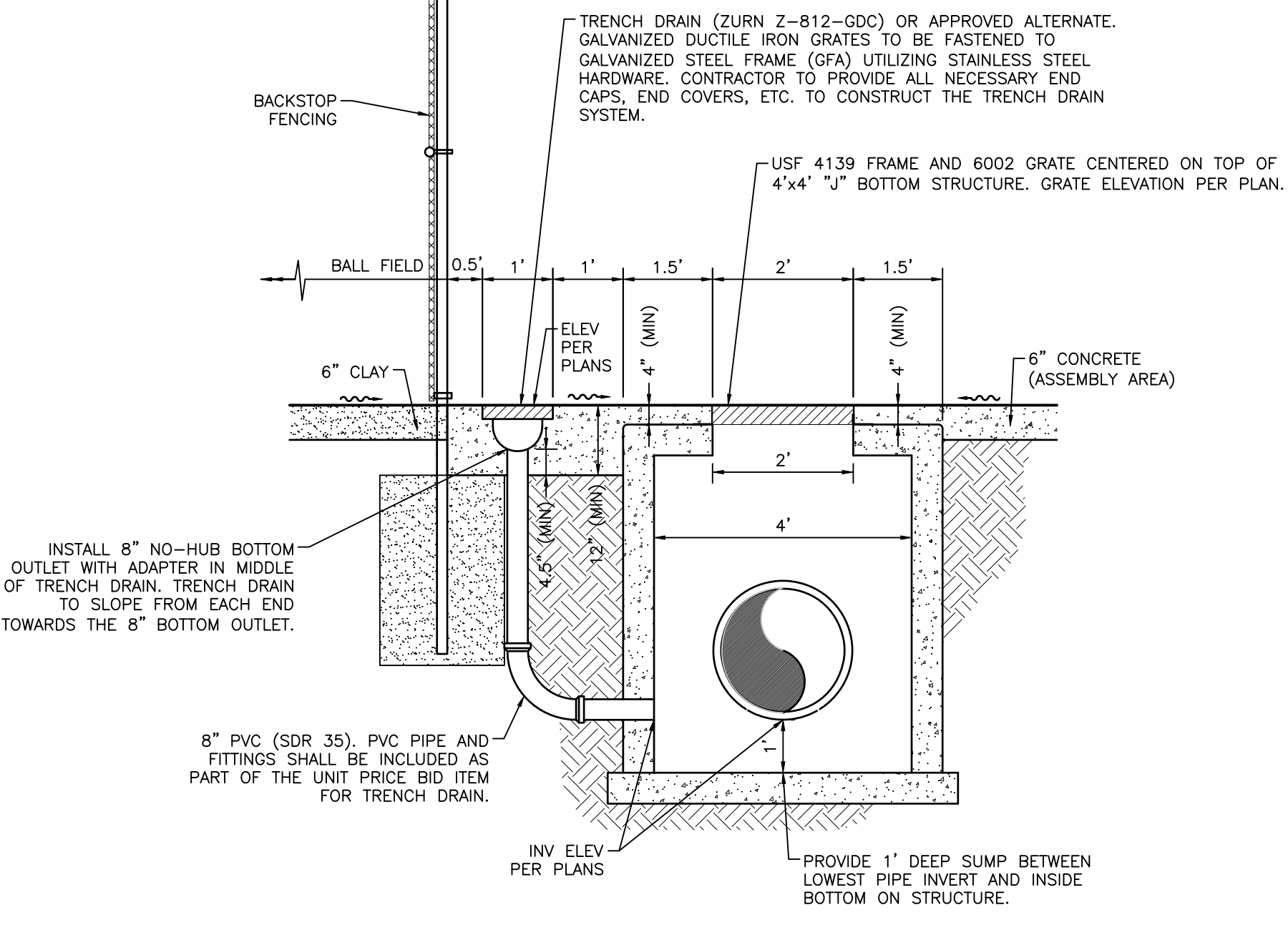
IF CLEANOUT IS AN IN-LINE CLEANOUT, PROVIDE 6"x6" WYE INSTEAD OF 45° BEND AND PROVIDE 2' PVC PIPE UPSTREAM OF WYE FOR P.E. UNDERDRAIN CONNECTION.

CLEANOUT DETAIL FOR SINGLE UNDERDRAIN FILTER SYSTEM
N.T.S.



P.E. UNDERDRAIN TO EXTEND AT LEAST 1' ONTO PVC PIPE & CLAMPED IN PLACE WITH 2 STAINLESS STEEL HOSE CLAMPS

TYPICAL CONNECTION FOR UNDERDRAIN TO STRUCTURE
N.T.S.



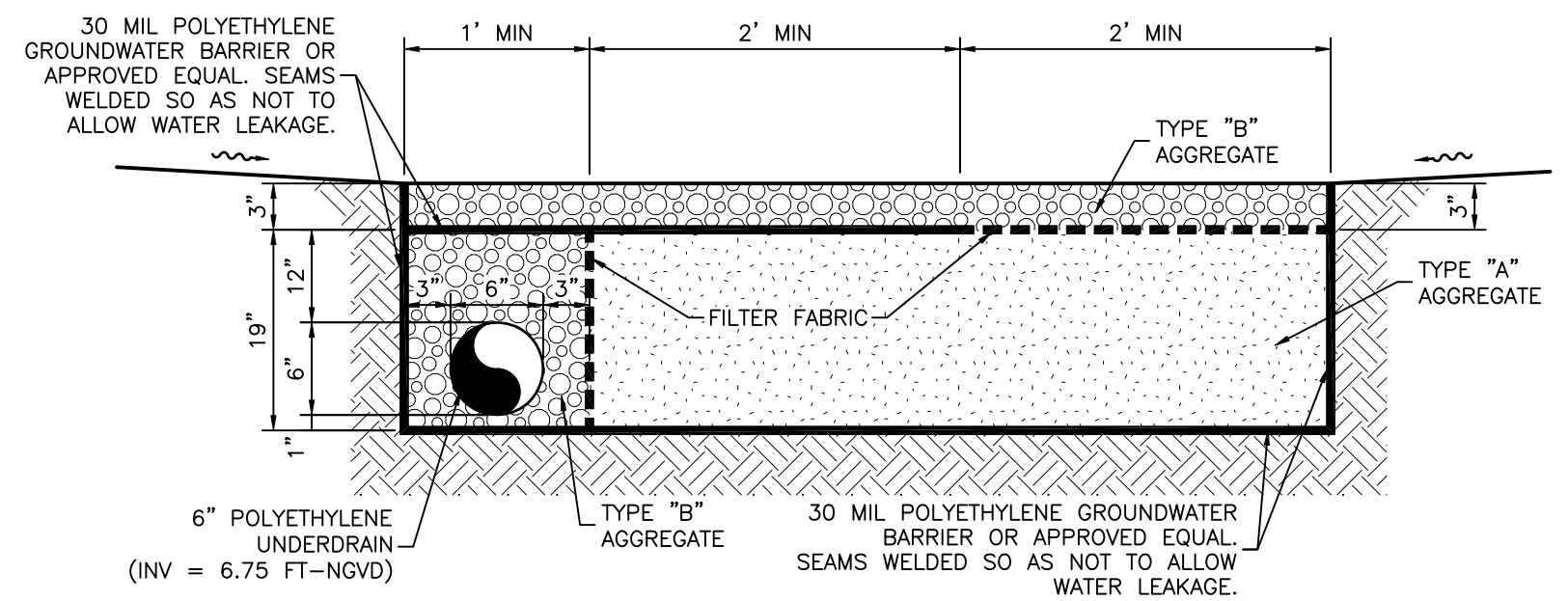
INSTALL 8" NO-HUB BOTTOM OUTLET WITH ADAPTER IN MIDDLE OF TRENCH DRAIN. TRENCH DRAIN TO SLOPE FROM EACH END TOWARDS THE 8" BOTTOM OUTLET.

8" PVC (SDR 35), PVC PIPE AND FITTINGS SHALL BE INCLUDED AS PART OF THE UNIT PRICE BID ITEM FOR TRENCH DRAIN.

PROVIDE 1" DEEP SUMP BETWEEN LOWEST PIPE INVERT AND INSIDE BOTTOM ON STRUCTURE.

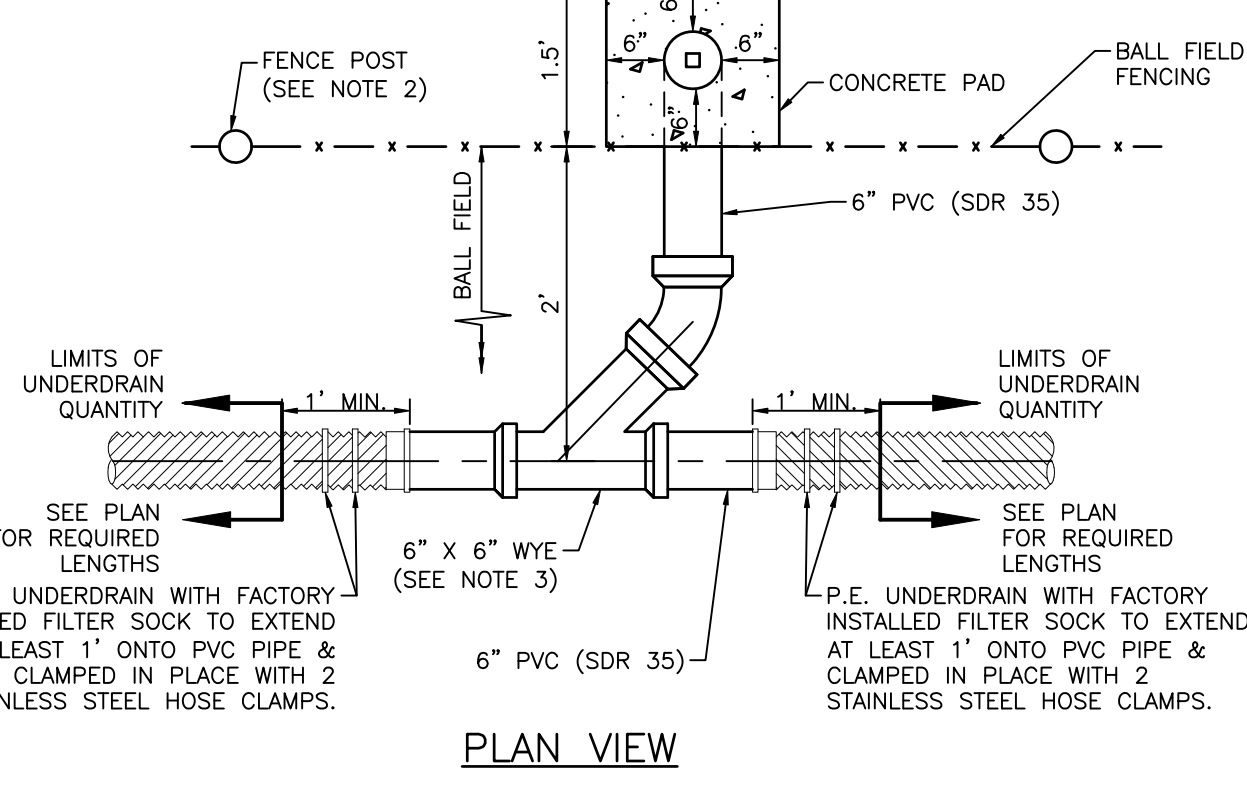
NOTES:
1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS

TYPICAL TRENCH DRAIN DETAIL BEHIND BACKSTOP
N.T.S.



UNDERDRAIN NOTES:
TYPE "A" AGGREGATE: FILTER AGGREGATE FOR UNDERDRAINS SHALL CONSIST OF WASHED MATERIAL MEETING FDOT ROAD & BRIDGE SPECIFICATIONS FOR SILICA SAND & QUARTZ GRAVEL CONTAINING LESS THAN 1% (BY WEIGHT) OF SILT, CLAY AND ORGANIC MATTER. SAND MATERIAL SHALL HAVE UNIFORMITY COEFFICIENT OF 1.5 OR GREATER, AN EFFECTIVE GRAIN SIZE OF 0.20 = 0.55 MILLIMETER AND SIEVE ANALYSIS (IN PERCENT OF TOTAL WEIGHT PASSING) AS FOLLOWS:
3/8" = 95 - 100%
NO. 4 = 95 - 100%
NO. 6 = 85 - 100%
NO. 16 = 65 - 97%
NO. 30 = 25 - 70%
NO. 50 = 5 - 35%
NO. 100 = 0 - 7%
NO. 200 = MAX. 1%
THE AGGREGATE SHALL BE FREE OF ORGANIC MATTER AND OTHER DELETERIOUS MATERIALS. WASHED SHELL & LIMESTONE SHALL NOT BE USED FOR FILTER AGGREGATE. PERMEABILITY OF THE AGGREGATE SHALL BE MINIMUM OF 8 FT/HR.
TYPE "B" AGGREGATE: 3/4" TO 1" STONE, RIVER GRAVEL OR EQUAL (NO LIMESTONE, MARL, OR SIMILAR MATERIAL).
FILTER FABRIC: FILTER FABRIC SHALL BE WOVEN GEOTEXTILE, AMOCO 1198 SYNTHETIC INDUSTRIES EROSION 1 OR APPROVED EQUAL.
UNDERDRAIN: THE UNDERDRAIN SHALL BE SLOTTED POLYETHYLENE CORRUGATED PIPE A.S.T.M F-405-77 OR A.A.S.H.T.O. M-252 HAVING A MINIMUM SLOTTED AREA OF 1 SQ. IN./FT. OF PIPE MANUFACTURED BY A.D.S. OR HANGOR. NO FACTORY INSTALLED SOCK SHALL BE INSTALLED WITH THIS UNDERDRAIN.
TESTING: THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SIEVE ANALYSIS & PERCOLATION TEST RESULTS PERFORMED BY AN INDEPENDENT TESTING LABORATORY PRIOR TO DELIVERY OF THE FILTER AGGREGATE MATERIAL ON SITE. FAILURE TO MEET THE SPECIFIED PERMEABILITY OR SIEVE ANALYSIS WILL BE CAUSE FOR REJECTION OF THE MATERIAL. THE CONTRACTOR SHALL ALSO PROVIDE THE ENGINEER WITH SIEVE ANALYSIS & PERCOLATION TEST RESULTS OF THE FILTER AGGREGATE RECEIVED AT THE SITE PRIOR TO IT BEING PUT IN PLACE. THIS TEST SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY.

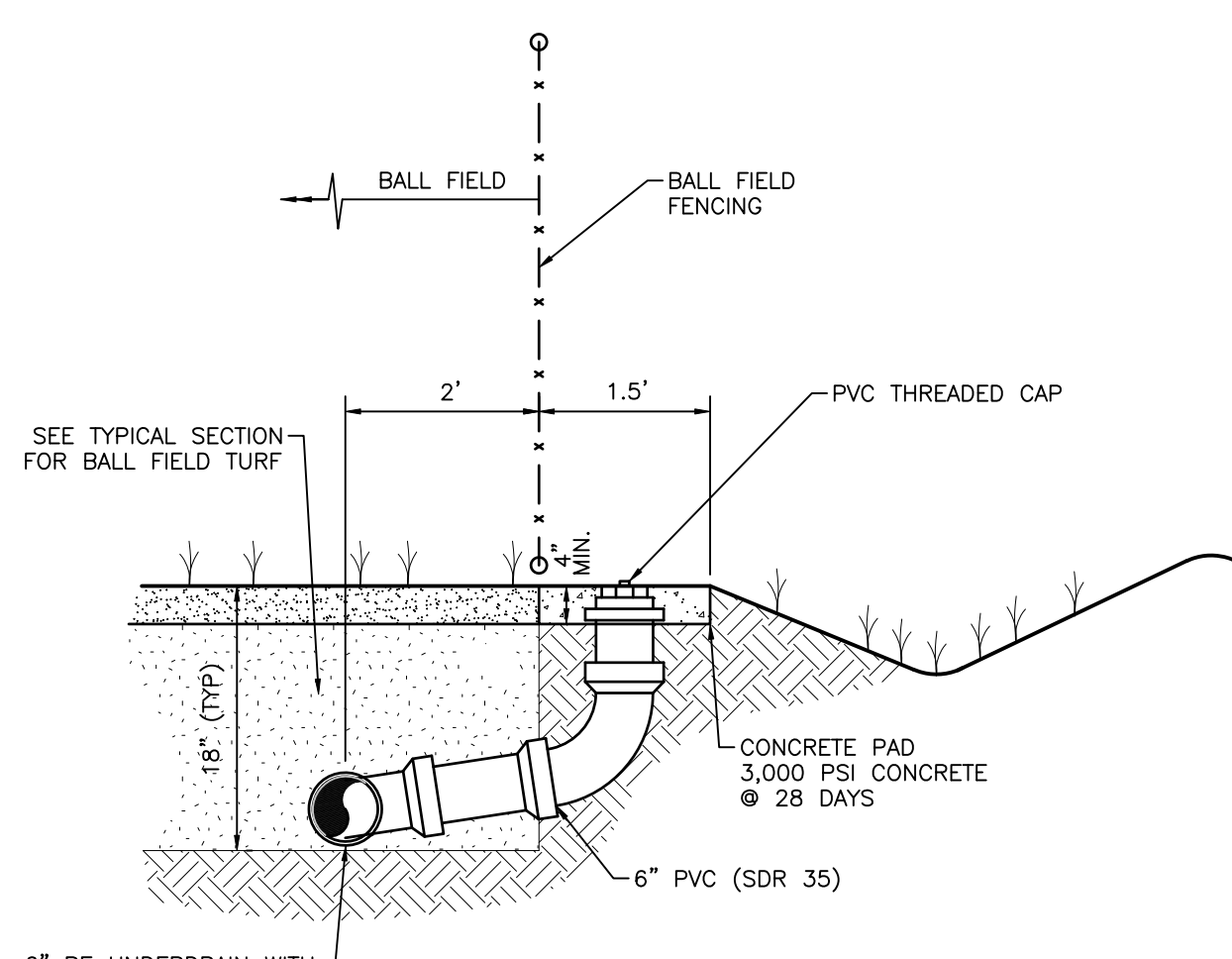
TYPICAL SHALLOW BOTTOM TREATMENT UNDERDRAIN
N.T.S.



P.E. UNDERDRAIN WITH FACTORY INSTALLED FILTER SOCK TO EXTEND AT LEAST 1' ONTO PVC PIPE & CLAMPED IN PLACE WITH 2 STAINLESS STEEL HOSE CLAMPS.

P.E. UNDERDRAIN WITH FACTORY INSTALLED FILTER SOCK TO EXTEND AT LEAST 1' ONTO PVC PIPE & CLAMPED IN PLACE WITH 2 STAINLESS STEEL HOSE CLAMPS.

PLAN VIEW



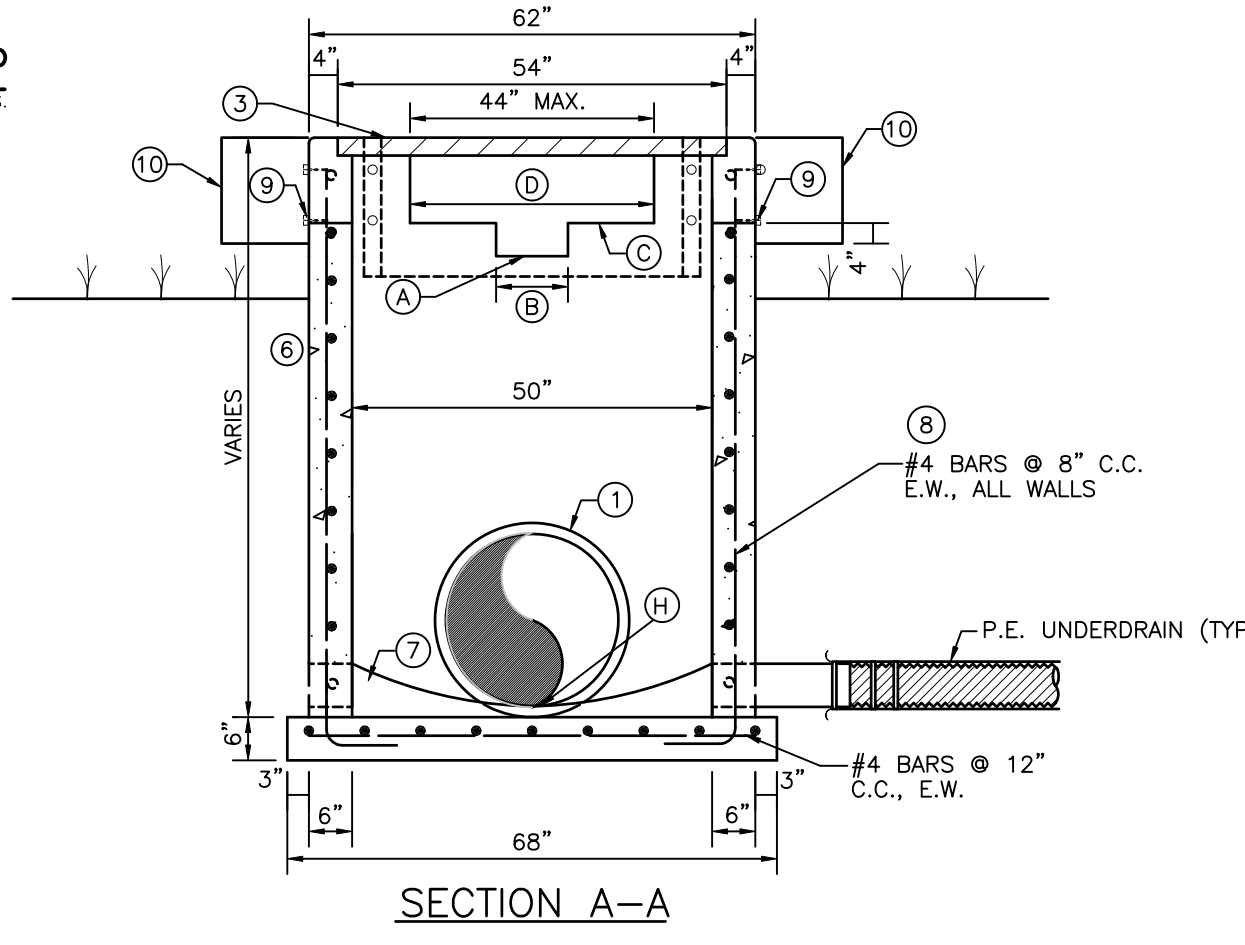
6" PE UNDERDRAIN WITH FACTORY INSTALLED FILTER SOCK (INV ELEV PER PLAN). PROVIDE 6" X 6" WYE OR 6" X 6" TEE WHERE CLEANOUT LOCATIONS ARE SHOWN PER PLAN (SEE NOTE 3)

PROFILE VIEW

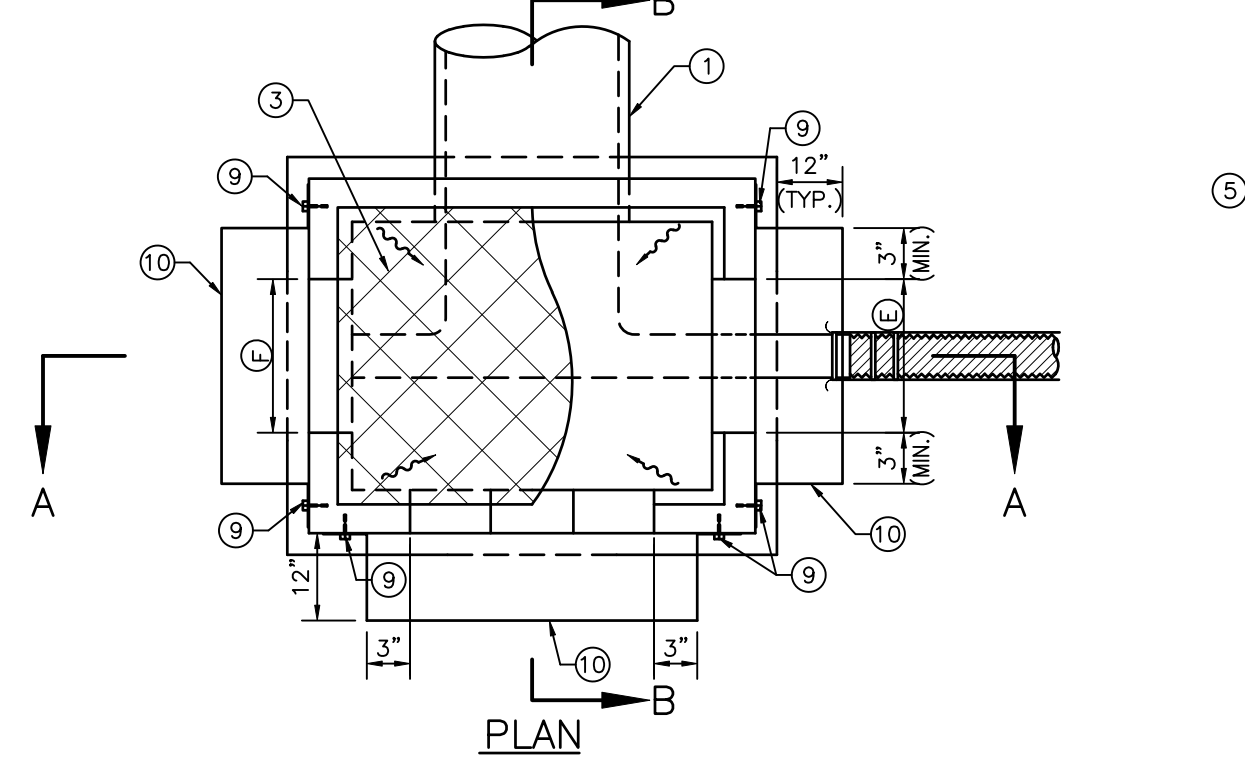
NOTES:

- UNDERDRAIN SHALL BE SLOTTED POLYETHYLENE CORRUGATED PIPE PER ASTM F-405-77 OR AASHTO M-252 HAVING A MINIMUM SLOTTED AREA OF 1 SQ.IN./FT OF PIPE MANUFACTURED BY ADS (OR APPROVED ALTERNATE).
- CONTRACTOR TO FIELD ADJUST CLEANOUT LOCATIONS AS NEEDED TO AVOID FENCE POSTS.
- 6" X 6" WYE TO BE REPLACED WITH 6" X 6" TEE (TWO WAY CLEANOUT STYLE) ONLY WHERE SPECIFICALLY CALLED FOR ON THE PLANS.

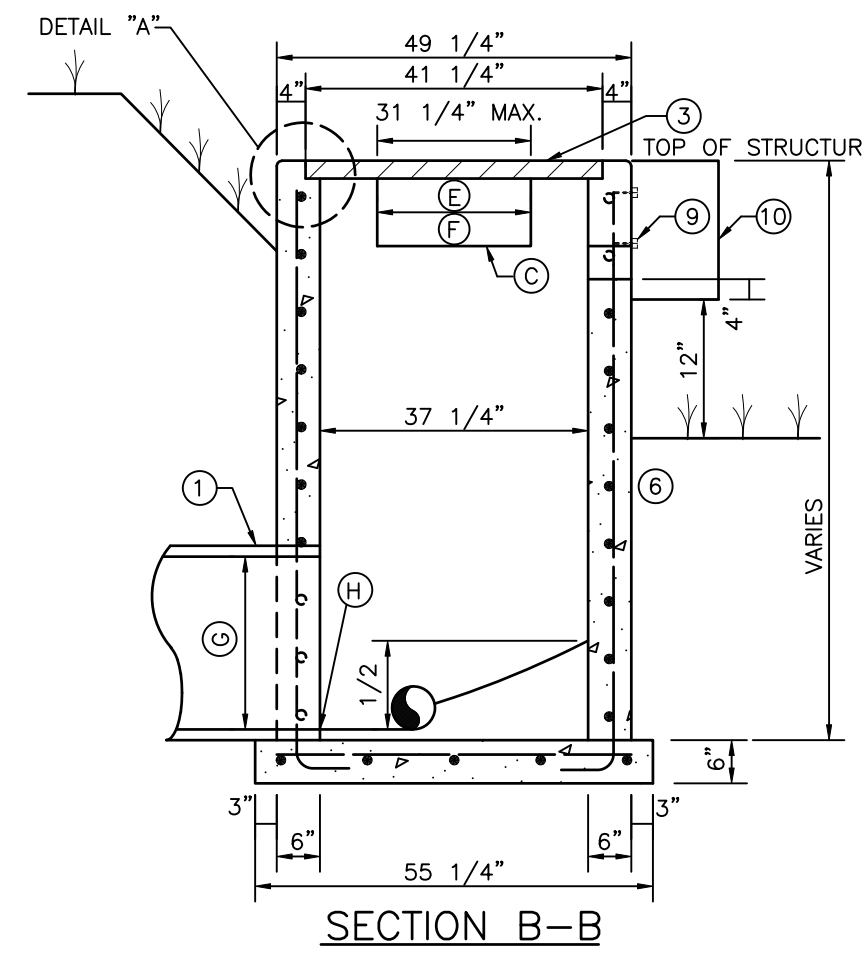
BALL FIELD UNDERDRAIN/UNDERDRAIN CLEANOUT DETAIL
N.T.S.



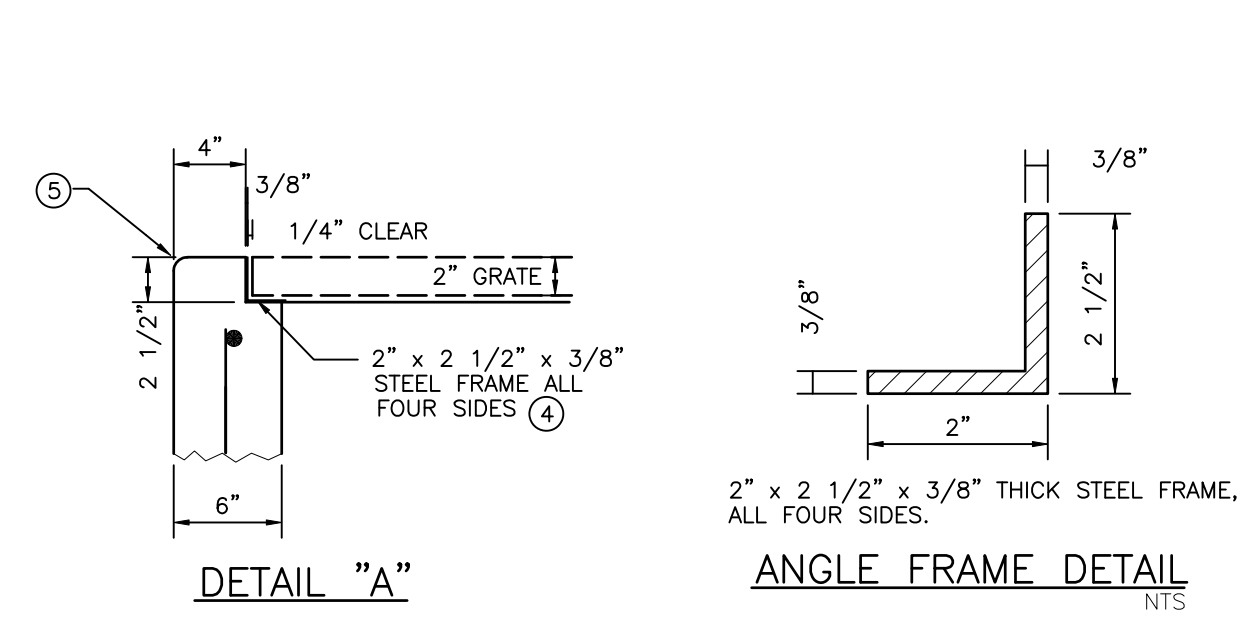
SECTION A-A



PLAN



SECTION B-B



DETAIL "A"

ANGLE FRAME DETAIL
N.T.S.

NOTES:

- SEE STORM PIPING PLAN DRAWINGS FOR PIPE SIZE, ALIGNMENT, FLOWLINE AND GRATE ELEVATIONS
- BENCH MARK REQUIRED TO BE SET ON STRUCTURE AFTER CONSTRUCTION IS COMPLETE. ELEVATION TO BE NOTED IN RECORD DRAWINGS.
- U.S.F. GRATE NO. 6615 (STEEL 40" x 52 11/16" x 2")
- FRAME & GRATE SHALL BE OF STEEL CONSTRUCTION COATED WITH 2 APPLICATIONS OF BLACK ENAMEL, 4.0 MILS DRY FILM THICKNESS EACH COAT, 8 MILS TOTAL COATING SHALL MEET OR EXCEED FOOT SPECIFICATION 971-8. CONTRACTOR SHALL APPLY ONE FIELD COAT TO ANY BARE AREAS AS DETERMINED BY ENGINEER.
- 3/4" CHAMFER ALL EXPOSED EDGES.
- 3000 PSI CONCRETE @ 28 DAYS SHALL BE USED THROUGHOUT.
- POURED CONCRETE INVERT AFTER INLET AND PIPE PLACED IN GROUND, 3000 PSI @ 28 DAYS.
- REINFORCING STEEL SHALL BE INTERMEDIATE GRADE BILLET WITH DEFORMATIONS CONFORMING TO ASTM A-615-76A. ALL STEEL SHALL BE 1 1/2" CLEAR UNLESS OTHERWISE NOTED.
- 3/8" DIAMETER STAINLESS STEEL EXPANSION ANCHORS, 3" LONG MINIMUM WITH STAINLESS STEEL WASHERS AND NUTS. IF HEIGHT OF SKIMMER IS 12" OR LESS, 2 EACH SIDE REQUIRED. IF SKIMMER IS OVER 12" HEIGHT, SPACE BOLTS ONE FOR EACH 6" C.C. MAXIMUM SPACING EACH SIDE OF SKIMMER.
- 3/16" THICK STAINLESS STEEL, 1/4" THICK ALUMINUM OR 3/16" "GLASKIMER" HSS-HIGH STRENGTH COMPOSITE SHEET SKIMMER PLATE WITH OPEN TOP AND BOTTOM. SKIMMER TO EXTEND 4" BELOW NOTCH ELEVATION.
- STAKEOUT POINT TO BE CENTER OF STRUCTURE. FIELD LOCATION TO FIT LAKE BANK OR FILL SLOPE MAY BE NECESSARY. LOCATION TO BE REVIEWED BY ENGINEER OR HIS REPRESENTATIVE.
- PROVIDE MINIMUM 6" CLEARANCE UNDER SKIMMER.

DATA TABLE

STRUCTURE NUMBER	NORMAL WATER LEVEL (FT-NGVD)	TOP GRATE EL. (FT-NGVD)	(A) FL. EL. OF NOTCH (FT-NGVD)	(B) WIDTH OF NOTCH (FT)	(C) FL. EL. OF WINDOW (FT-NGVD)	(D) WIDTH OF WINDOW (FT)	(E) WIDTH OF WINDOW (FT)	(F) WIDTH OF WINDOW (FT)	(G) DIAMETER OF OUTFALL PIPE (IN)	(H) PIPE FL. EL. (FT-NGVD)	SPECIAL REMARKS
SCS-1	N/A	11.40	N/A	N/A	8.84	0.36	N/A	N/A	30	4.70	SKIMMER REQUIRED ALL WINDOWS UNDERDRAIN REQUIRED (INV = 6.75 FT-NGVD)

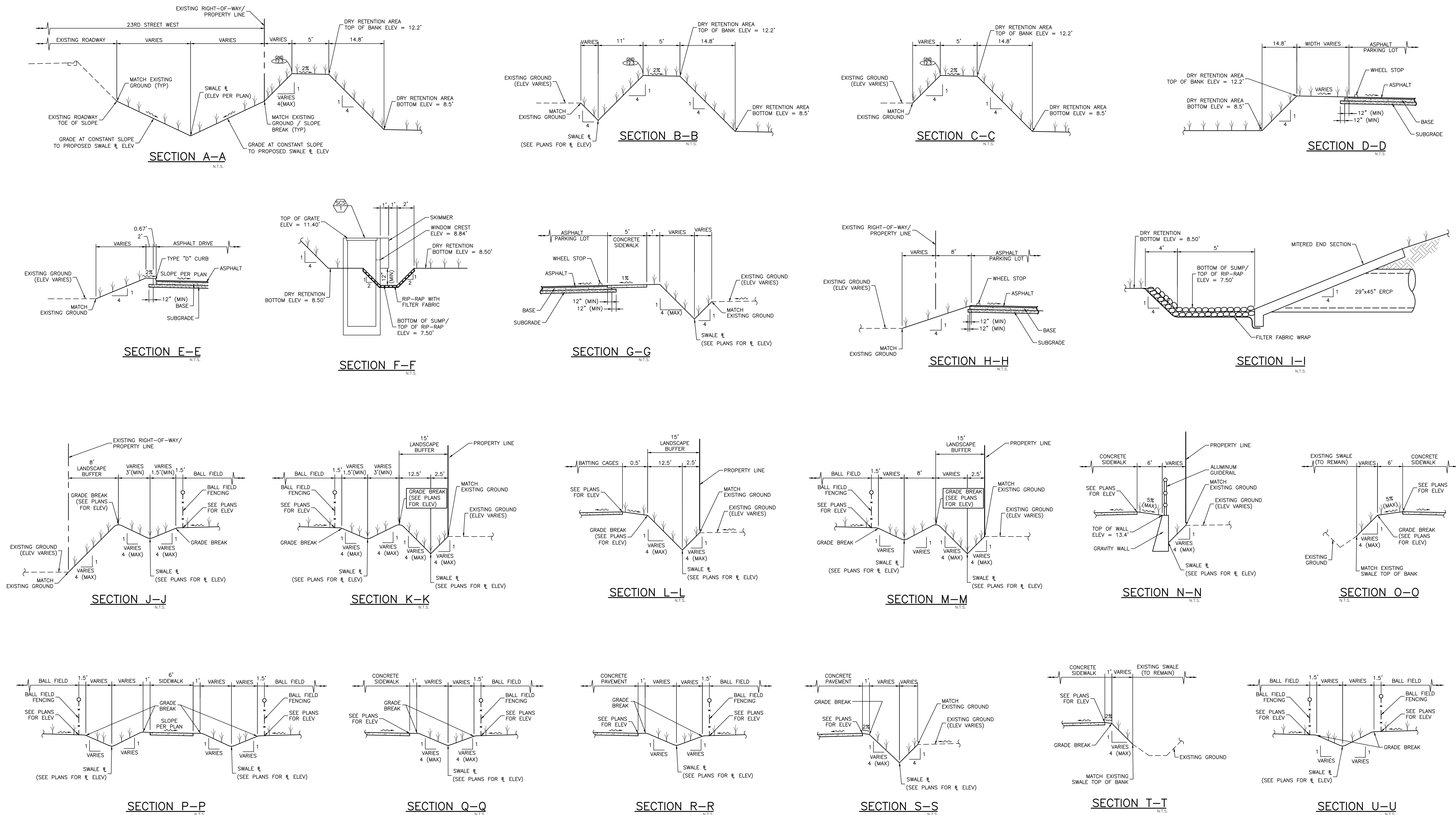
TYPE "G" CONTROL STRUCTURE
N.T.S.

REV. NO.	REVISION	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	CONTRACT ADMIN. BY	W.M. APPROVED BY

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CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS
PROJECT: BLACKSTONE PARK EXPANSION
DATE: DECEMBER 2012
HORIZONTAL SCALE: AS SHOWN
VERTICAL SCALE: AS SHOWN
SEC. TWP. RSE: 11 34S 17E

TITLE: DRAINAGE DETAILS
INDEX NUMBER: D-215611237-012
SHEET NUMBER: 12 OF 19
CROSS REFERENCE FILE NO.: 215611237
PROJECT NUMBER: 215611237
DATE: 07/2013



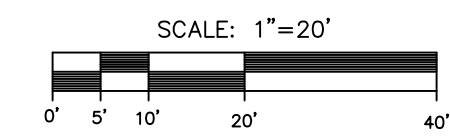
NOTE: CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANS FOR FINAL GROUND COVER MATERIALS AND LIMITS OUTSIDE THE BALL FIELDS

REV. NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	W/M APPROVED BY:

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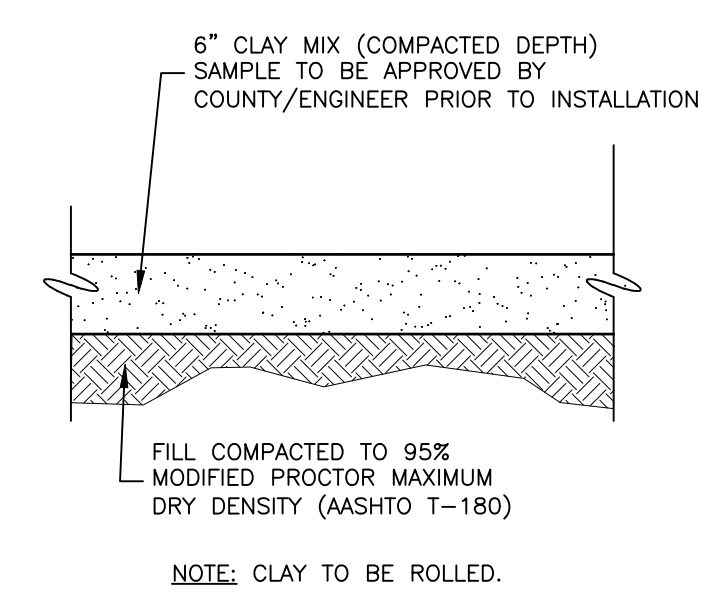
CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS
PROJECT:	BLACKSTONE PARK EXPANSION

DATE:	DECEMBER 2012	TITLE:	CROSS SECTIONS
HORIZONTAL SCALE:	AS SHOWN	CROSS REFERENCE FILE NO.:	PROJECT NUMBER: 215611237
VERTICAL SCALE:	AS SHOWN	SHEET NUMBER:	D-215611237-013
SEC. TYP. / SEE:	11 34S 17E	SHEET NUMBER:	13 OF 19



LEGEND

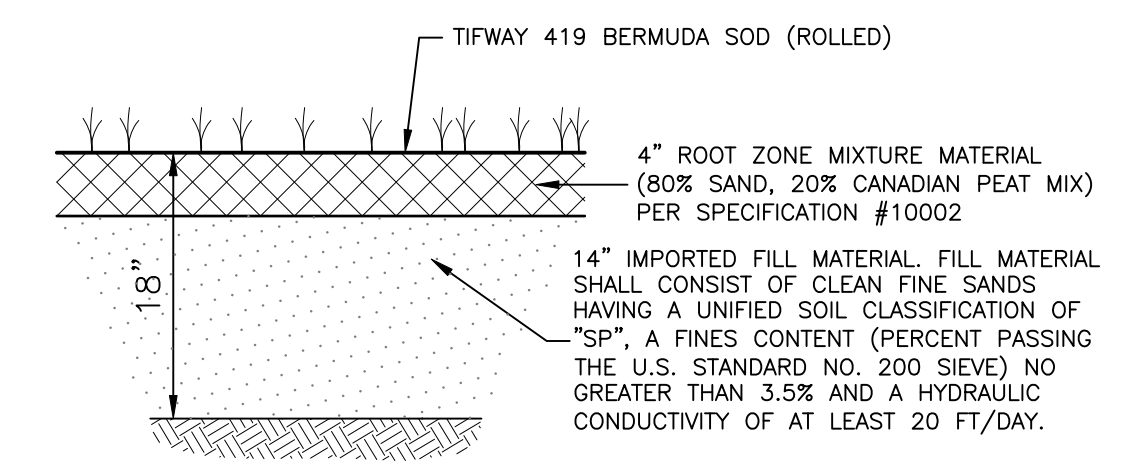
- CONCRETE PAD FOR DUGOUTS AND BLEACHERS (SEE DUGOUTS AND BLEACHERS DETAILS)
- INFIELD CLAY
- GRASS AREA (TIFWAY 419 BERMUDA ROLLED SOD)
- CHAIN LINK FENCE (SEE TYPICAL BALL FIELD FENCING PLAN AND DETAILS)
- BACKSTOP FENCE (SEE TYPICAL BALL FIELD FENCING PLAN AND DETAILS)



CLAY SECTION
N.T.S.

NOTES:

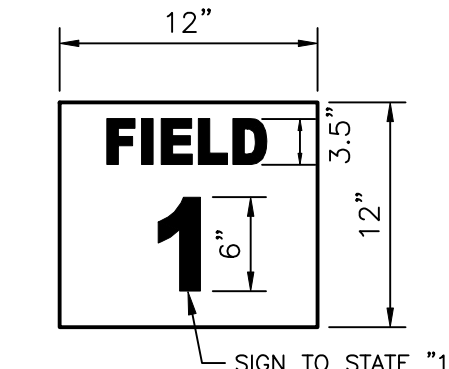
1. CLAY COMPOSITION SHALL BE NO LESS THAN 80% CLAY/20% SAND, MIX AS SUPPLIED BY TURBO LINK INTERNATIONAL INC. OR APPROVED ALTERNATE. BALL FIELD CLAY SHALL BE WELL GRADED CLAYEY SAND ("SC") WITH BETWEEN 17.5% AND 22.5% OF MATERIAL PASSING A #200 SIEVE. NO MATERIAL TO BE RETAINED ON A #10 SIEVE. SUBMIT 2 GALLON SAMPLE AND SIEVE ANALYSIS (ASTM C136 AND D422) FROM AN INDEPENDENT TESTING COMPANY TO ENGINEER FOR APPROVAL PRIOR TO ORDERING MATERIAL.
2. MATERIALS AND INSTALLATION PROCEDURES SHALL BE SUBJECT TO ENGINEERS REVIEW AND APPROVAL PRIOR TO COMMENCEMENT.
3. GRADING SHALL BE AS PER PAVING AND DRAINAGE PLAN.



TYPICAL SECTION FOR BALL FIELD TURF
N.T.S.

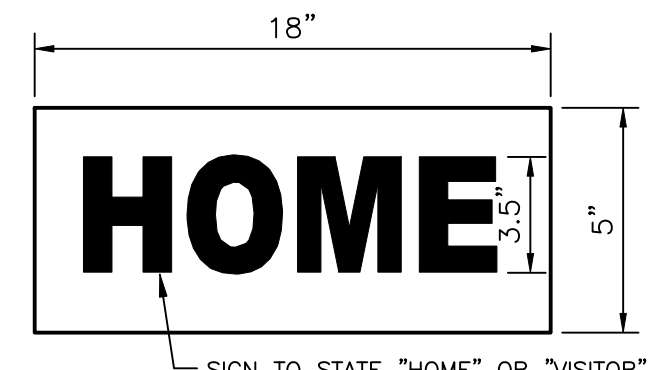
TESTING:

1. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SIEVE ANALYSIS, UNIFIED SOIL CLASSIFICATION, AND PERCOLATION TEST RESULTS PERFORMED BY AN INDEPENDENT TESTING LABORATORY PRIOR TO THE ONSITE DELIVERY OF THE 14" IMPORTED FILL MATERIAL UNDERNEATH THE BALL FIELD TURF. FAILURE TO MEET THE SPECIFIED HYDRAULIC CONDUCTIVITY, SOIL CLASSIFICATION, OR SIEVE ANALYSIS WILL BE CAUSE FOR REJECTION OF THE MATERIAL. THE FREQUENCY OF TESTING SHALL BE A MINIMUM OF 1 TEST REPORT FOR EVERY 450 CY OF FILL MATERIAL TO BE BROUGHT TO THE SITE.
2. PRIOR TO INSTALLATION OF THE BALL FIELD SOD, THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SIEVE ANALYSIS, UNIFIED SOIL CLASSIFICATION, AND PERCOLATION TEST RESULTS PERFORMED BY AN INDEPENDENT TESTING LABORATORY OF THE IN-PLACE 14" IMPORTED FILL MATERIAL. FAILURE TO MEET THE SPECIFIED HYDRAULIC CONDUCTIVITY, SOIL CLASSIFICATION, OR SIEVE ANALYSIS WILL BE CAUSE FOR REJECTION OF THE MATERIAL. THE FREQUENCY OF TESTING SHALL BE A MINIMUM OF 5 TEST REPORTS FOR EACH BALL FIELD.



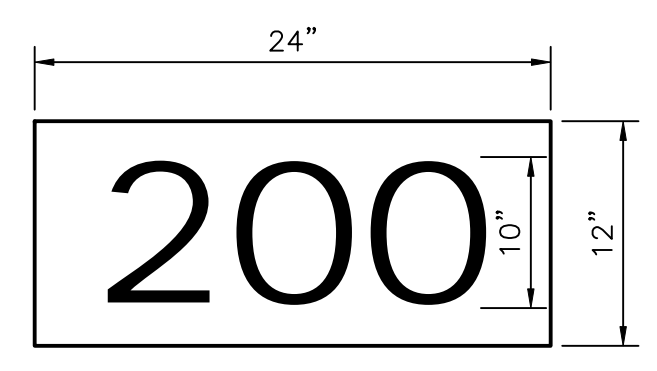
SIGN MATERIAL SHALL BE ALUMINUM. LETTERS AND BACKGROUND SHALL BE OF A REFLECTIVE MATERIAL. LETTERS ARE TO BE DARK GREEN ON A WHITE BACKGROUND. SIGNS SHALL BE MOUNTED ON FENCE WITH BOLTS AND BACK PLATES (EACH CORNER). MOUNTING HEIGHT SHALL BE 11" FROM BOTTOM OF SIGN TO FINISHED GRADE. ALL HARDWARE SHALL BE STAINLESS STEEL OR GALVANIZED. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF SIGN FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

BALL FIELD IDENTIFICATION SIGN DETAIL
N.T.S.



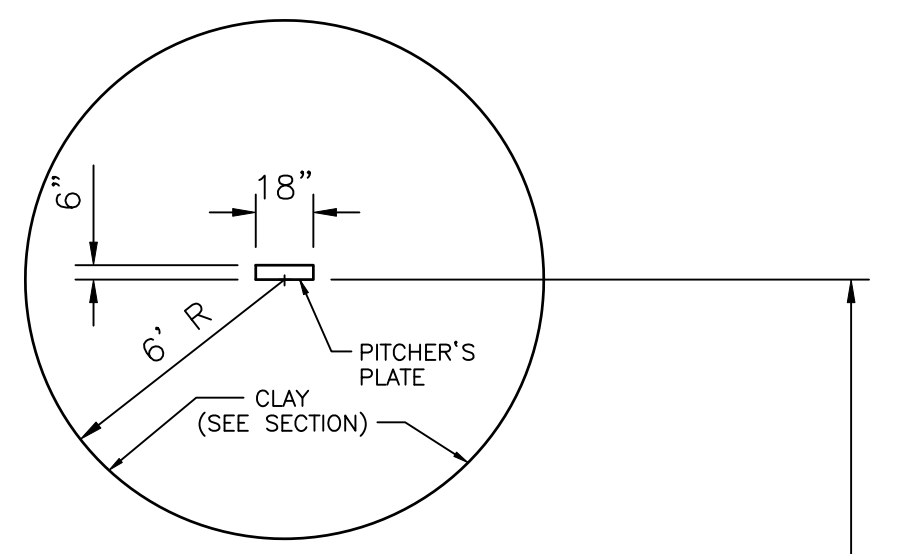
SIGN MATERIAL SHALL BE ALUMINUM. LETTERS AND BACKGROUND SHALL BE OF A REFLECTIVE MATERIAL. LETTERS ARE TO BE DARK GREEN ON A WHITE BACKGROUND. SIGNS SHALL BE MOUNTED ON FENCE WITH BOLTS AND BACK PLATES (EACH CORNER). MOUNTING HEIGHT SHALL BE 5" FROM BOTTOM OF SIGN TO FINISHED GRADE. ALL HARDWARE SHALL BE STAINLESS STEEL OR GALVANIZED. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF SIGN FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

HOME/VISITOR SIGN DETAIL
N.T.S.

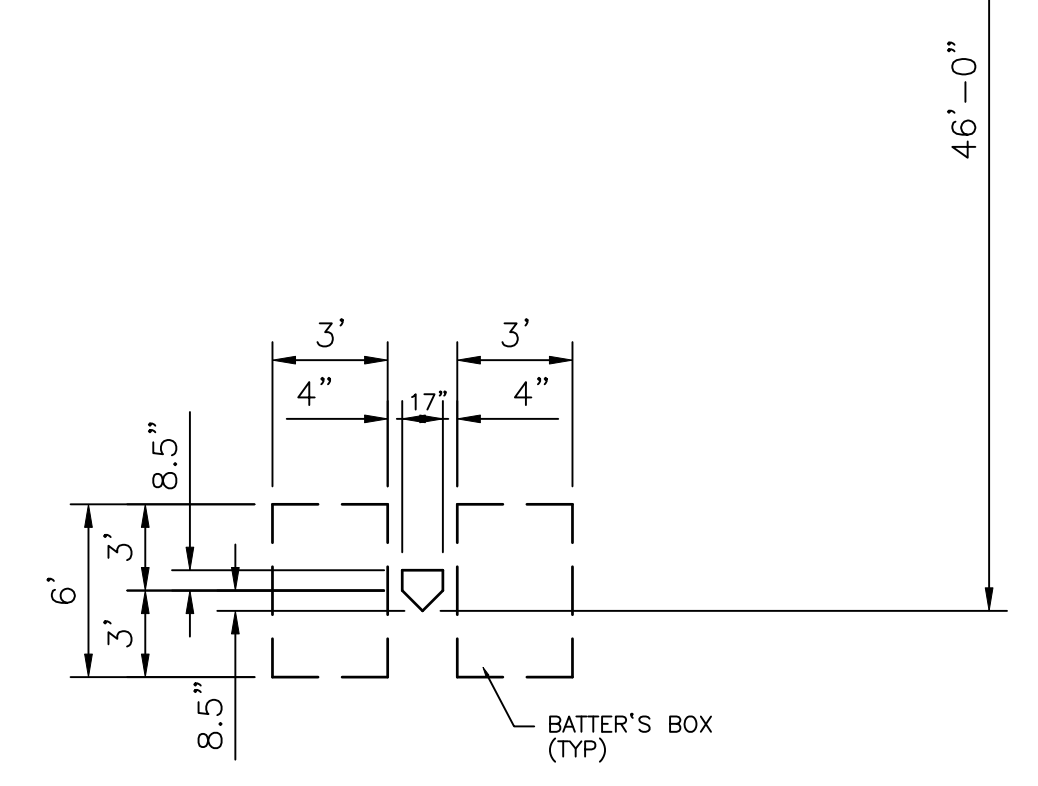


SIGN MATERIAL SHALL BE ALUMINUM. LETTERS AND BACKGROUND SHALL BE OF A REFLECTIVE MATERIAL. LETTERS ARE TO BE WHITE ON A DARK GREEN BACKGROUND. DISTANCES FOR SIGNS ARE AS SHOWN (ONE SIGN PER FIELD). SIGNS SHALL BE MOUNTED ON FENCE WITH BOLTS AND BACK PLATES (EACH CORNER). MOUNTING HEIGHT SHALL BE 4" FROM TOP OF SIGN TO FINISHED GRADE. ALL HARDWARE SHALL BE STAINLESS STEEL OR GALVANIZED. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF SIGN FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

DISTANCE SIGN DETAIL
N.T.S.

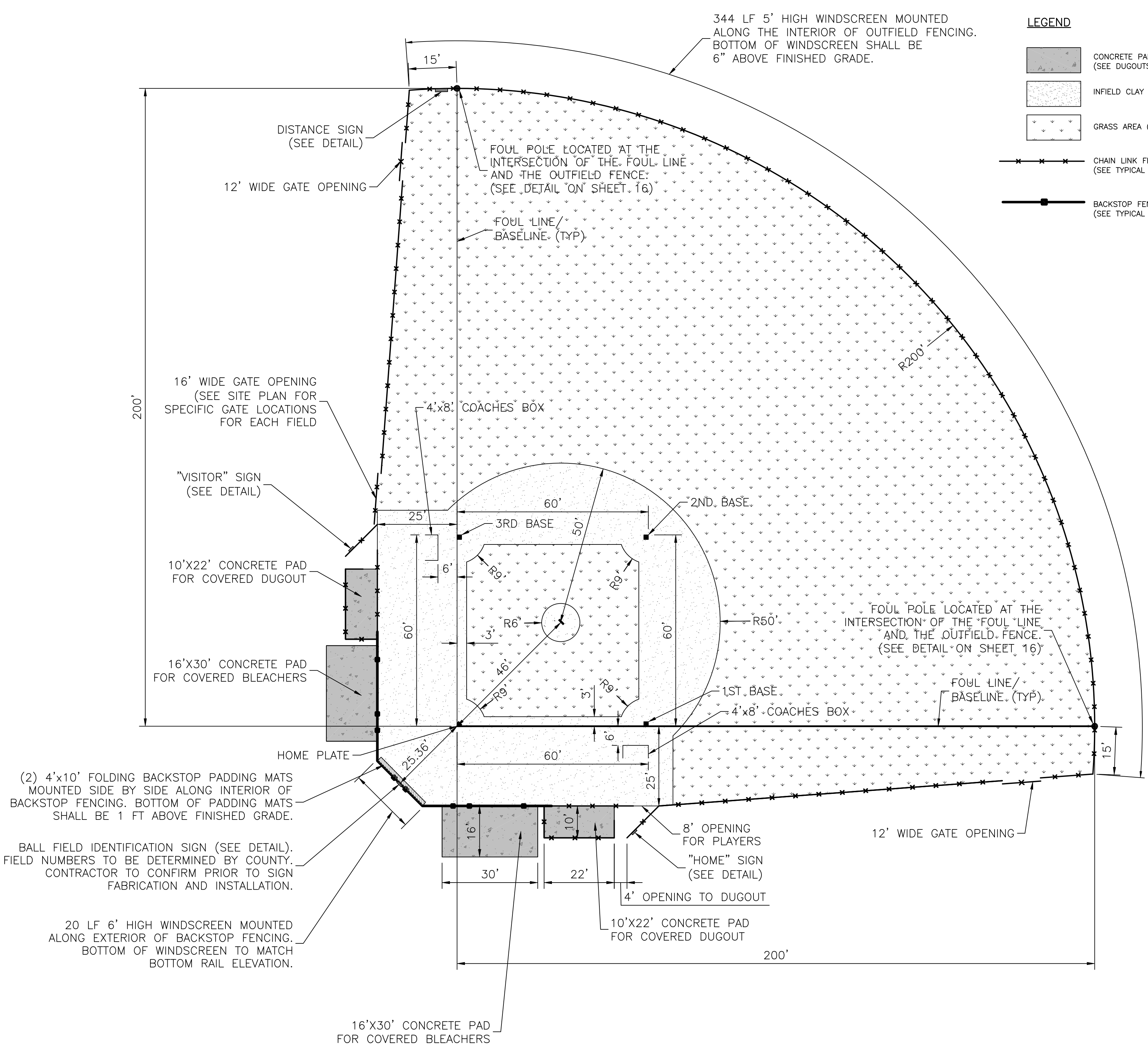


PITCHER'S MOUND
N.T.S.



HOME PLATE
N.T.S.

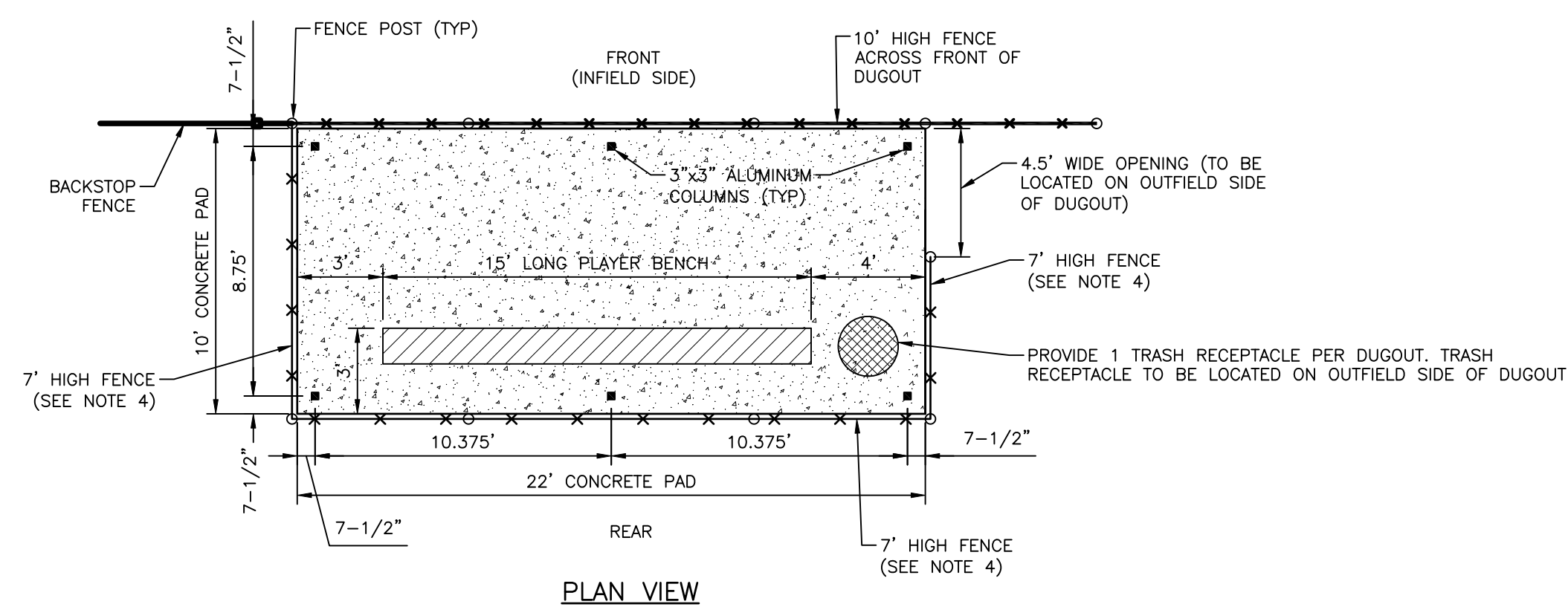
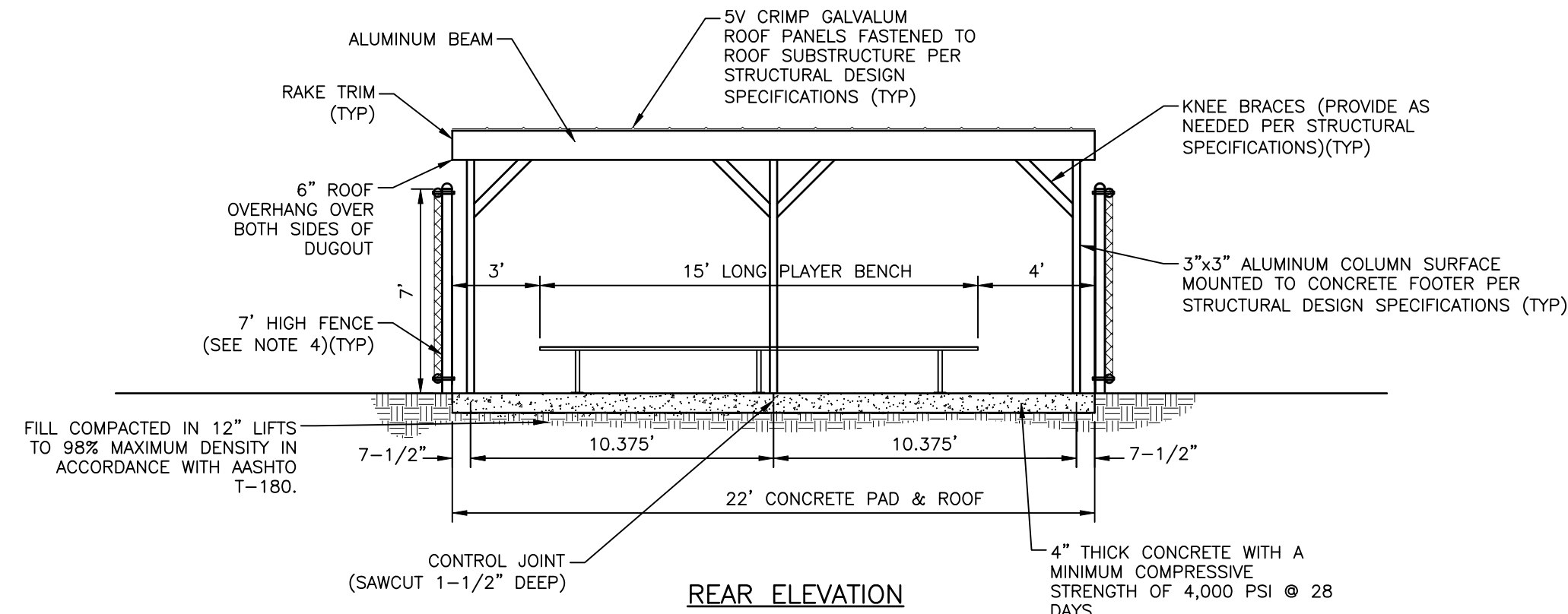
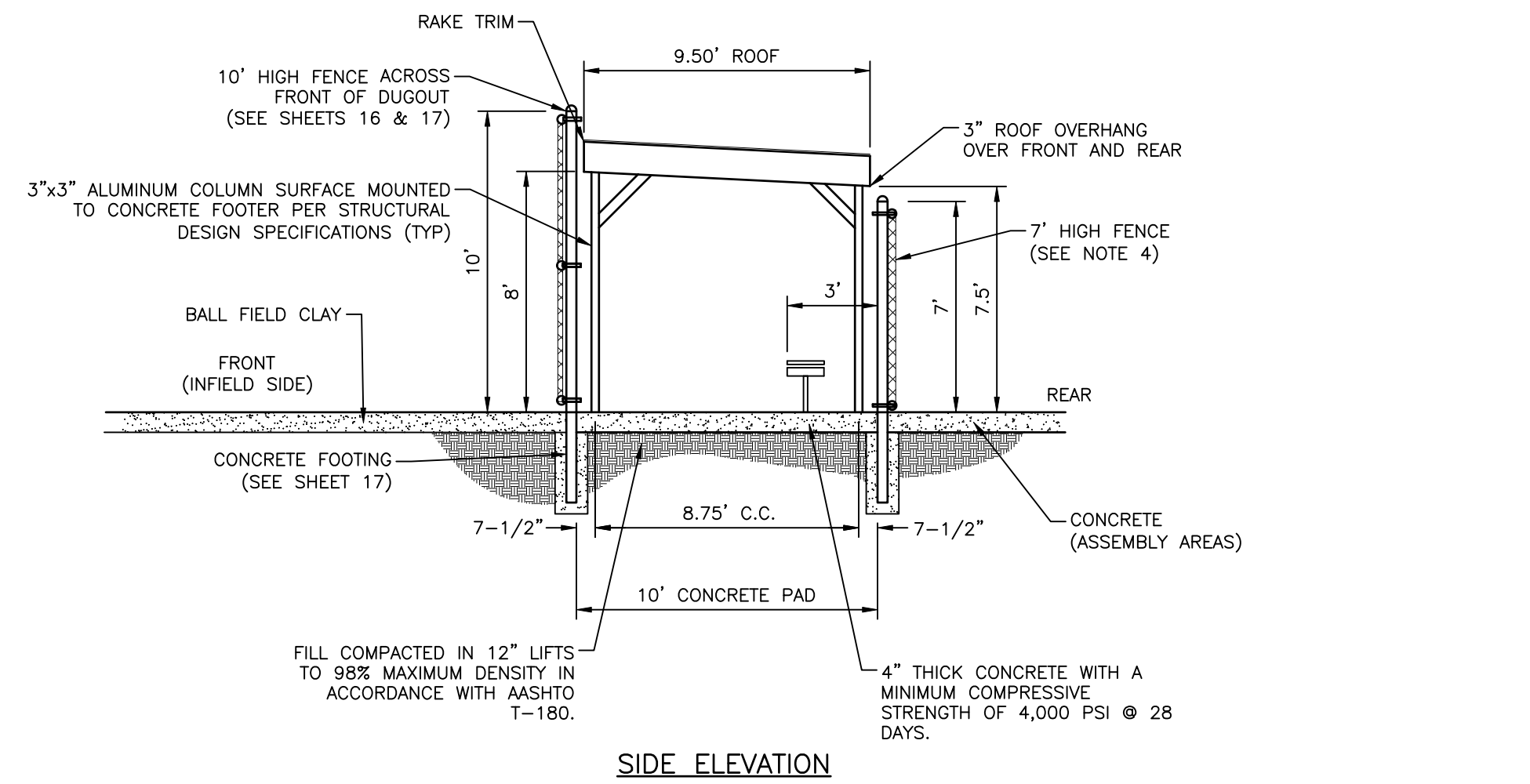
HOME PLATE / PITCHER'S MOUND DETAIL
N.T.S.



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CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS	DATE:	DECEMBER 2012	TITLE:	TYPICAL BALL FIELD PLAN
PROJECT:	BLACKSTONE PARK EXPANSION	HORIZONTAL SCALE:	AS SHOWN	CROSS REFERENCE FILE NO.:	PROJECT NUMBER:
		VERTICAL SCALE:	AS SHOWN		215611237
		SEC. TYP. SIZE:	11 3/4S 17E		



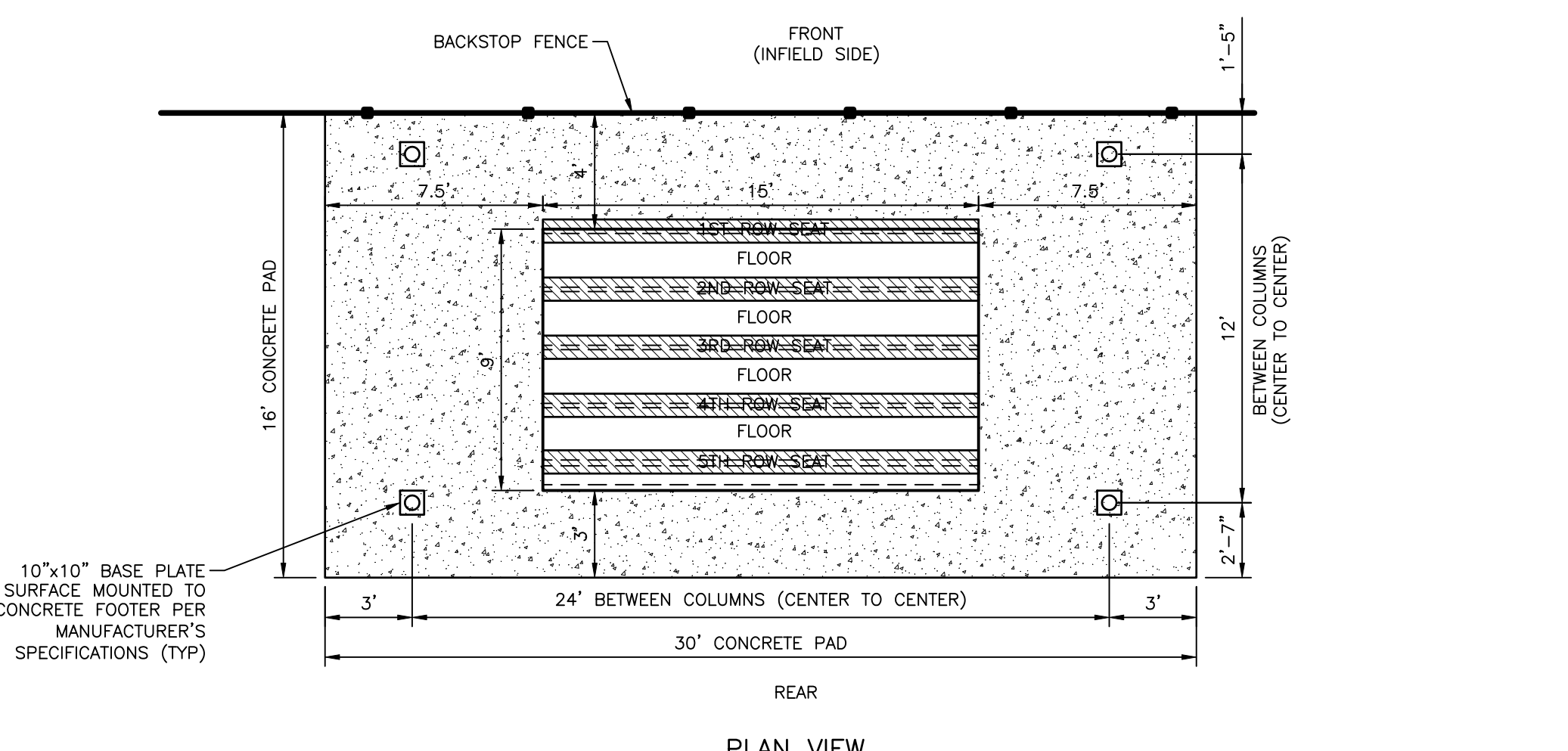
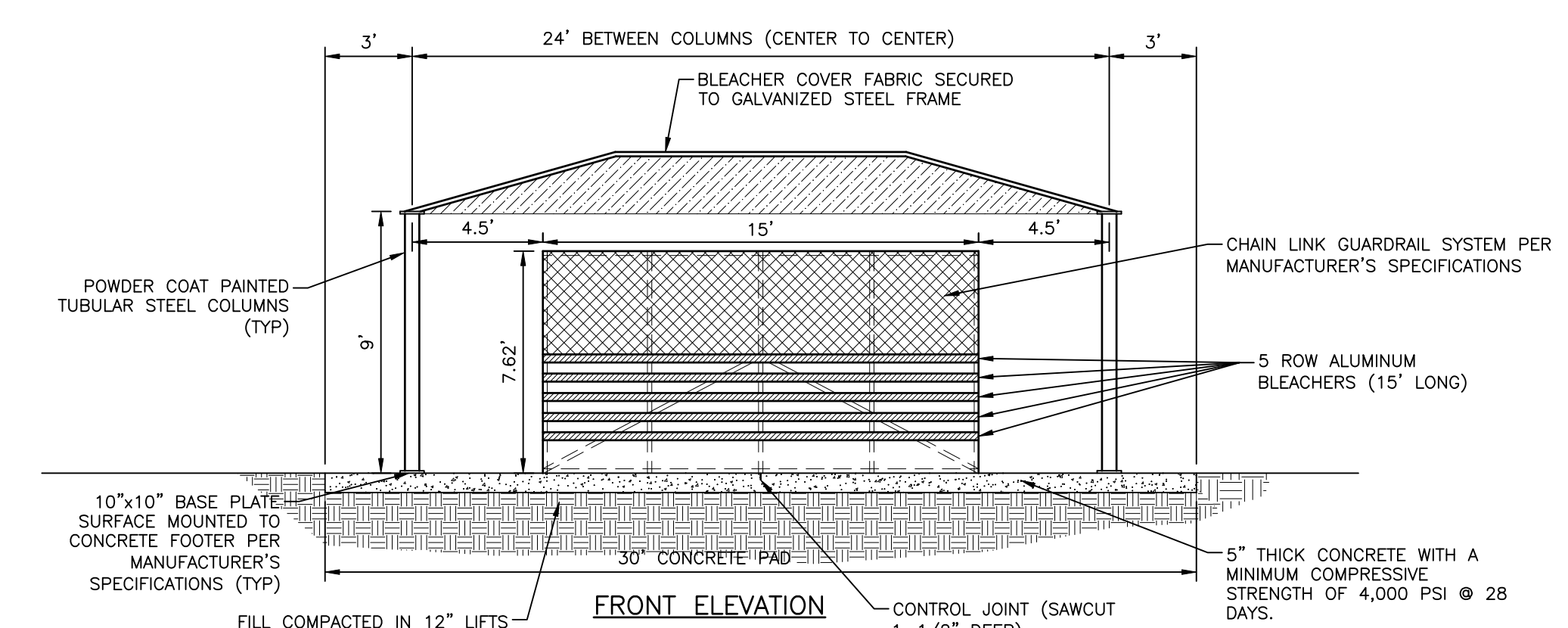
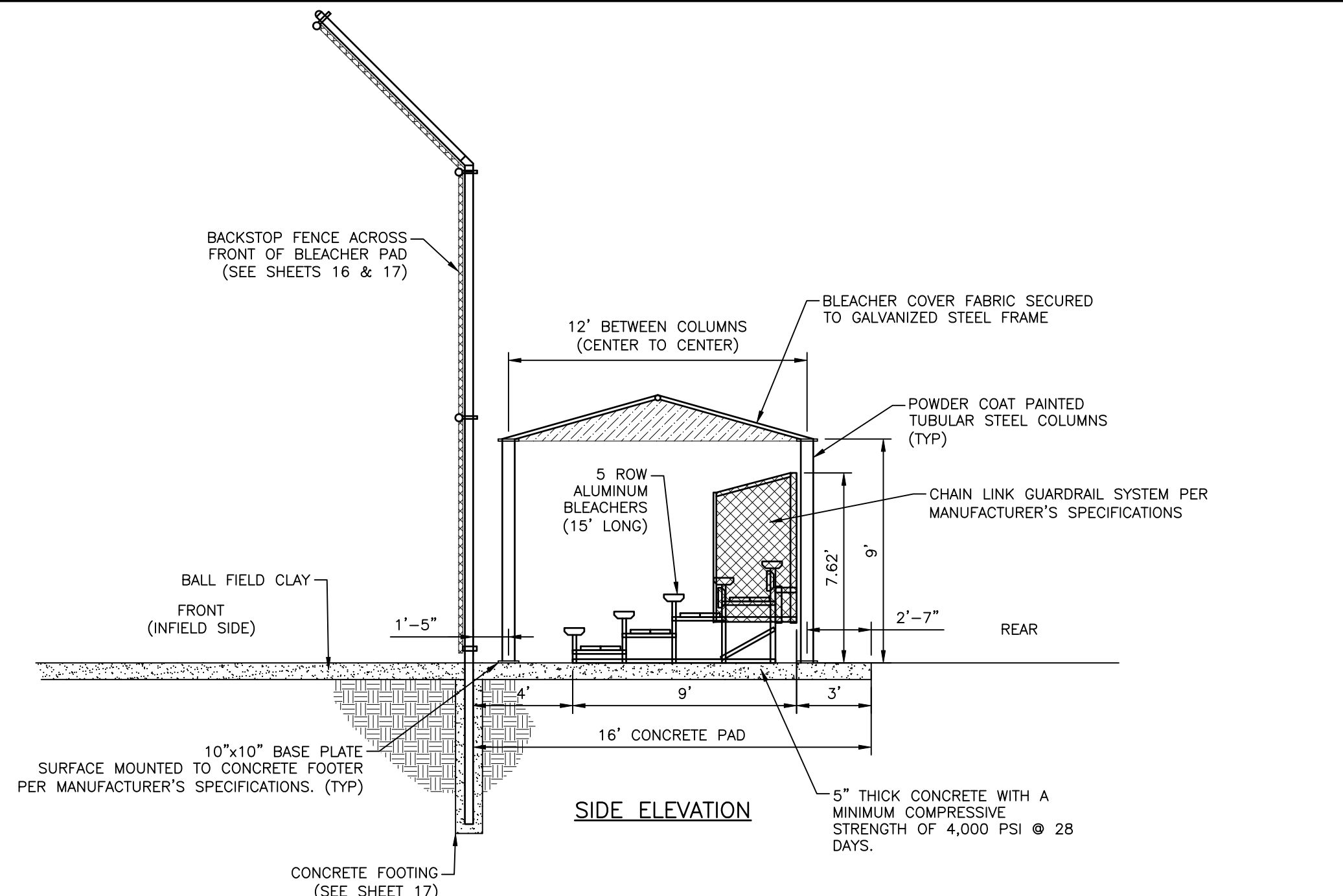
NOTES:

- DUGOUT CANOPY DETAILS ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY FOR BASIS OF BID. DUGOUT CANOPIES TO CONSIST OF LIGHT ALUMINUM MATERIALS SIMILAR TO A CARPORT/CANOPY STRUCTURE AS MANUFACTURED BY ELLENTON ROOF AND ALUMINUM, INC. (OR APPROVED ALTERNATE). ALL MATERIALS SHALL BE IN WHITE COLOR. CONTRACTOR IS RESPONSIBLE TO PROVIDE SIGNED AND SEALED STRUCTURAL DRAWINGS/DESIGN CALCULATIONS FOR THE CANOPY STRUCTURES AND SHALL INCLUDE PERMITTING THROUGH THE CITY OF PALMETTO (IF REQUIRED). CONTRACTOR TO CONFIRM FOOTING REQUIREMENTS FOR THE DUGOUT CANOPY COLUMNS PRIOR TO POURING THE CONCRETE PAD.
- ALL HARDWARE SHALL BE STAINLESS STEEL OR GALVANIZED.
- REFER TO SHEET 5 FOR DUGOUT PAD LOCATIONS (6 TOTAL).
- CONTRACTOR TO INSTALL 6' HIGH WINDSCREEN MOUNTED ALONG THE EXTERIOR OF THE 7' HIGH DUGOUT FENCING (37' LF TOTAL PER DUGOUT). BOTTOM OF WINDSCREEN SHALL BE 6\"/>

SPECIFICATIONS:

- WINDSCREENS: BSN SPORTS POLYESTER OUTFIELD WINDSCREEN (1170610) - ROYAL BLUE IN COLOR (OR APPROVED ALTERNATE). WINDSCREEN SHALL BE MOUNTED TO FENCING USING 7\"/>

DUGOUT DETAIL
N.T.S.



NOTES:

- INSTALL ALL ITEMS PER MANUFACTURER'S SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE TO PROVIDE SIGNED AND SEALED ENGINEERING DRAWINGS/DESIGN CALCULATIONS FOR THE BLEACHER COVERS AND SHALL INCLUDE PERMITTING THROUGH THE CITY OF PALMETTO (IF REQUIRED). CONTRACTOR TO CONFIRM FOOTING REQUIREMENTS FOR THE BLEACHER COVER COLUMNS PRIOR TO POURING THE CONCRETE PAD.
- ALL HARDWARE SHALL BE STAINLESS STEEL OR GALVANIZED.
- REFER TO SHEET 5 FOR BLEACHER PAD LOCATIONS (6 TOTAL).

SPECIFICATIONS:

- BLEACHERS (50 SEAT CAPACITY): BSN SPORTS 5 ROW 15' PREFERRED BLEACHER (NB0515P) OR APPROVED ALTERNATE. BLEACHER TO HAVE DOUBLE FOOT PLANKS AND A RISER BOARD ON ALL ROWS. A CHAIN LINK GUARDRAIL SYSTEM, AND SAFETY END CAPS ON ALL ROWS.
- BLEACHER COVER: 12' WIDE BY 24' LONG BLEACHER COVER BY APOLLO SUNGUARD SYSTEMS, INC. OR APPROVED ALTERNATE. FABRIC COLOR SHALL BE ROYAL BLUE WITH GALVANIZED STEEL FRAME. COLUMNS SHALL BE SURFACE MOUNTED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS (SEE NOTE 1).


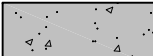
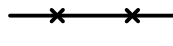

BLEACHER DETAIL
N.T.S.

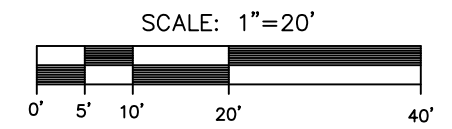
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						DRAWN BY:	CLL/096591	12/2012
						CHECKED BY:		
						CONTRACT ADMIN. BY:		
						W/M APPROVED BY:		

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CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS	DATE:	DECEMBER 2012	TITLE:	DUGOUT AND BLEACHER DETAILS
PROJECT:	BLACKSTONE PARK EXPANSION	HORIZONTAL SCALE:	AS SHOWN	CROSS REFERENCE FILE NO.:	PROJECT NUMBER:
		VERTICAL SCALE:	AS SHOWN		215611237
		SEC. TYP. SIZE:	11 3/4S 17E		SHEET NUMBER:
					15 OF 19

LEGEND:

-  INFIELD CLAY
-  CONCRETE PAD FOR DUGOUT AND BLEACHERS
-  BLACK VINYL CHAIN LINK FENCE
-  BLACK VINYL BACKSTOP FENCE

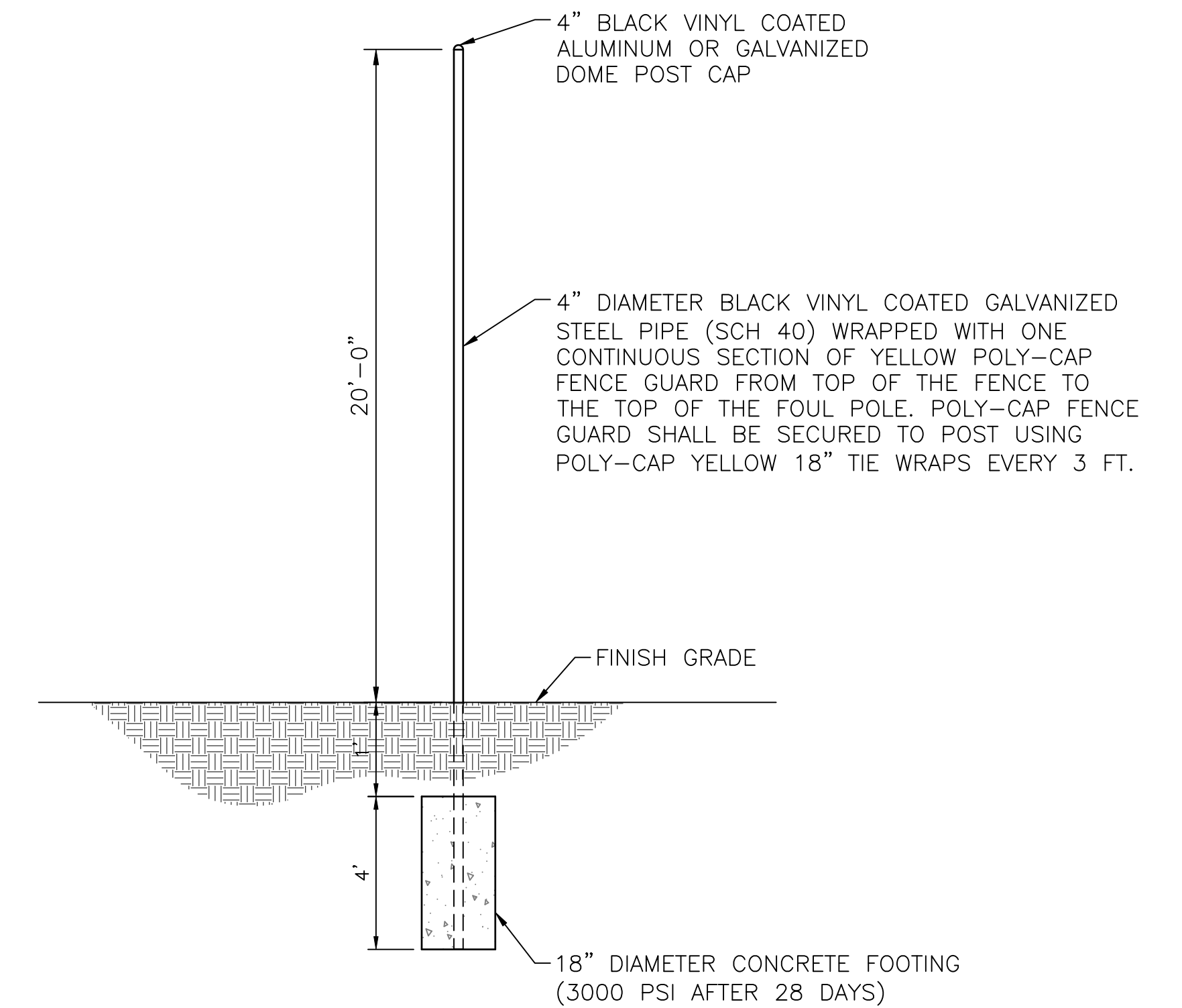
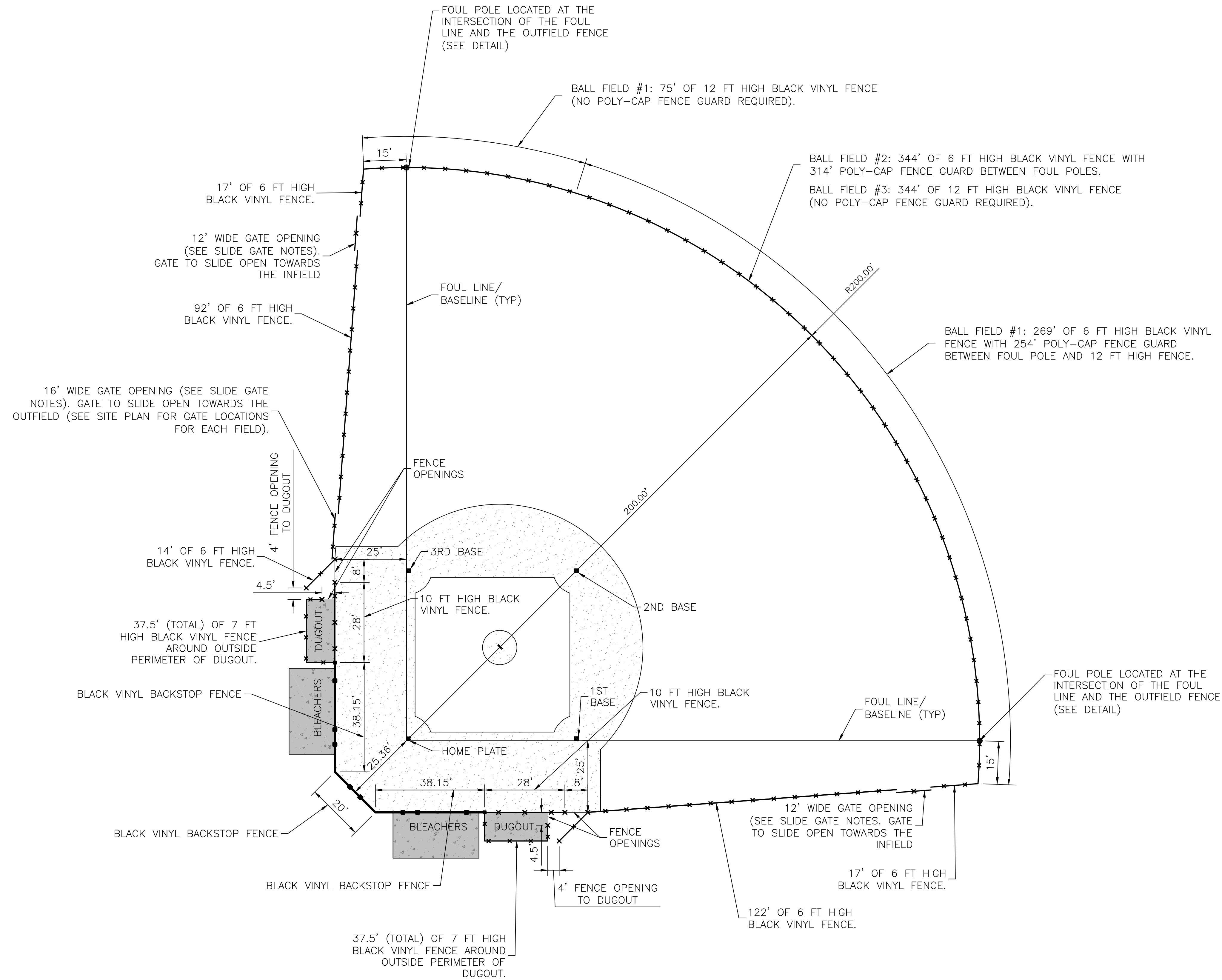


FENCING NOTES:

- SEE SHEET 17 FOR ALL FENCING DETAILS.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL FENCING COMPONENTS TO THE ENGINEER AND COUNTY FOR REVIEW. SHOP DRAWINGS TO INCLUDE SIZE AND DIMENSIONS OF ALL FENCING.
- POLY-CAP FENCE GUARD: BSN SPORTS POLY-CAP FENCE GUARD - YELLOW, BBPC250X (OR APPROVED ALTERNATE). POLY-CAP FENCE GUARD SHALL BE SECURED TO FENCE USING POLY-CAP YELLOW 18" TIE WRAPS (BBPTIES) EVERY 3' PER MANUFACTURER'S RECOMMENDATIONS.

SLIDE GATE NOTES:

- GATES FOR ALL GATE OPENINGS SHALL BE CANTILEVER SLIDE GATES PER FDOT INDEX #803. BARB WIRE SHALL NOT BE INSTALLED AS PART OF THE GATE. HEIGHT OF THE GATE TO BE COMPATIBLE WITH 6' HIGH FENCE.
- GATE COMPONENTS SHALL BE GALVANIZED AND BLACK VINYL COATED INCLUDING ALL FABRIC, POSTS, AND OTHER APPURTENANCES.
- UNLESS OTHERWISE SPECIFIED, THE TOP OF ALL CONCRETE FOOTINGS SHALL BE SET A MINIMUM OF 4" BELOW GRADE AND SHALL NOT BE EXPOSED TO THE SURFACE.
- SLIDE GATES SHALL BE SECURED TO FENCE END POSTS UTILIZING AN OFFSET LOK'N LATCH.
- ROLLERS AND BACK FRAMES FOR THE SLIDE GATES SHALL BE LOCATED ON THE EXTERIOR OF THE BALL FIELDS.
- ALL FABRIC SHALL BE KNUCKLED TOP AND BOTTOM SELVAGES.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL GATE COMPONENTS TO THE ENGINEER AND COUNTY FOR REVIEW. SHOP DRAWINGS TO INCLUDE SIZE AND DIMENSIONS OF ALL GATES.



NOTES:

- FOUL POLE SHALL BE INCLUDED AS ONE OF THE OUTFIELD FENCE POSTS. CONTRACTOR TO ADJUST FENCE POST SPACING ACCORDINGLY.

FOUL POLE DETAIL

N.T.S.

REV. NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	W/M APPROVED BY:

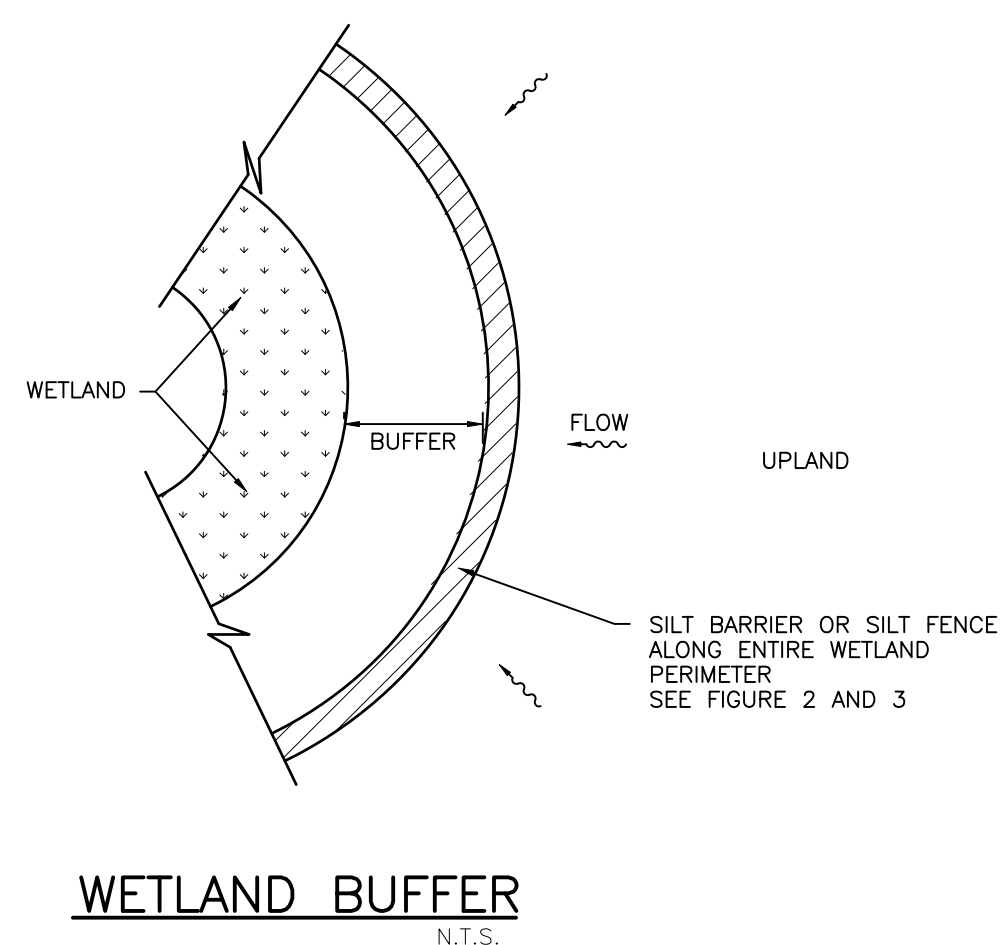


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PROJECT:	BLACKSTONE PARK EXPANSION

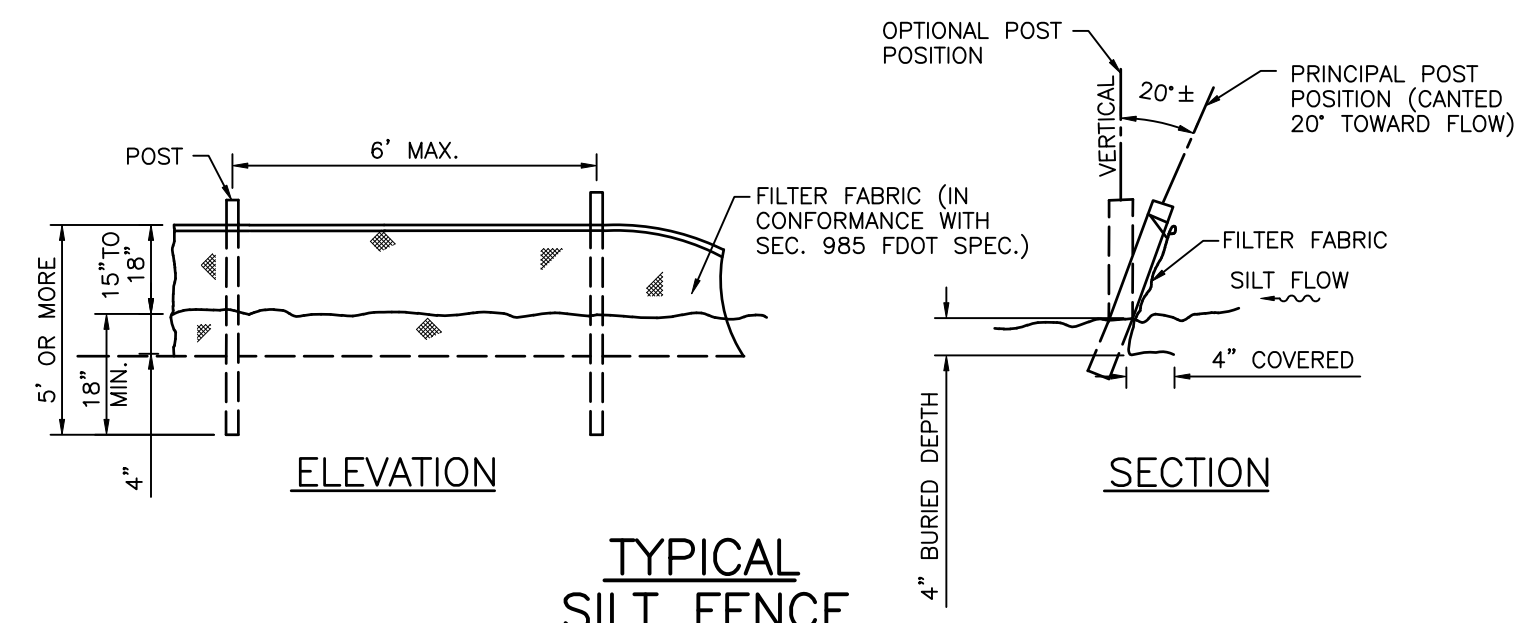
DATE:	DECEMBER 2012	TITLE:	BALL FIELD FENCING PLAN
HORIZONTAL SCALE:	AS SHOWN	CROSS REFERENCE FILE NO.:	PROJECT NUMBER:
VERTICAL SCALE:	AS SHOWN	11 34S 17E	215611237

DANIEL J. BOND, P.E. FLORIDA LICENSE NO. 57969
INDEX NUMBER: D-215611237-016
SHEET NUMBER: 16 OF 19



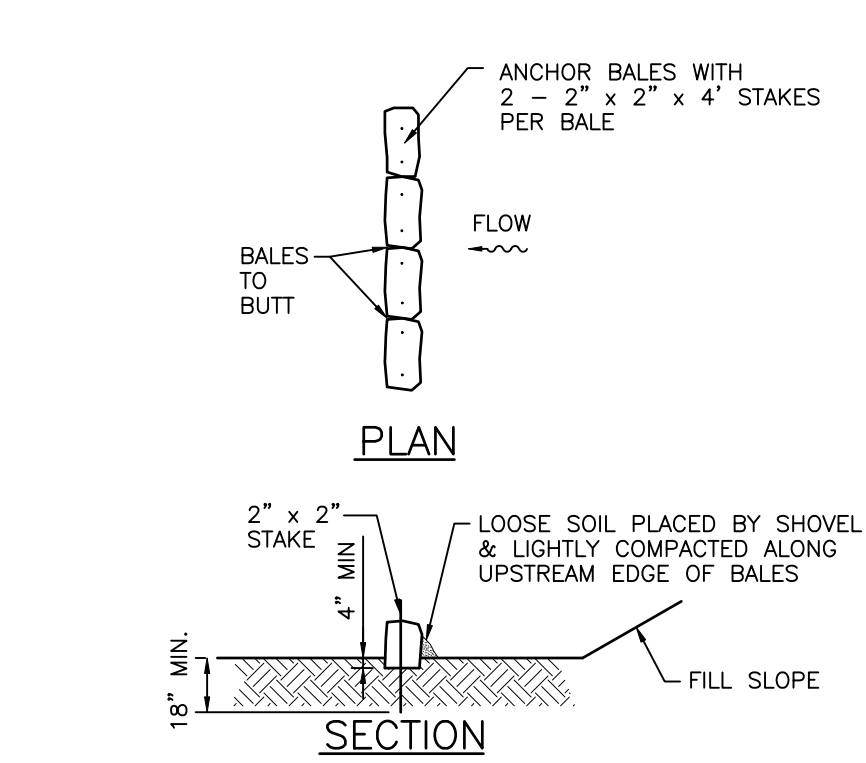
WETLAND BUFFER
N.T.S.

FIGURE 1



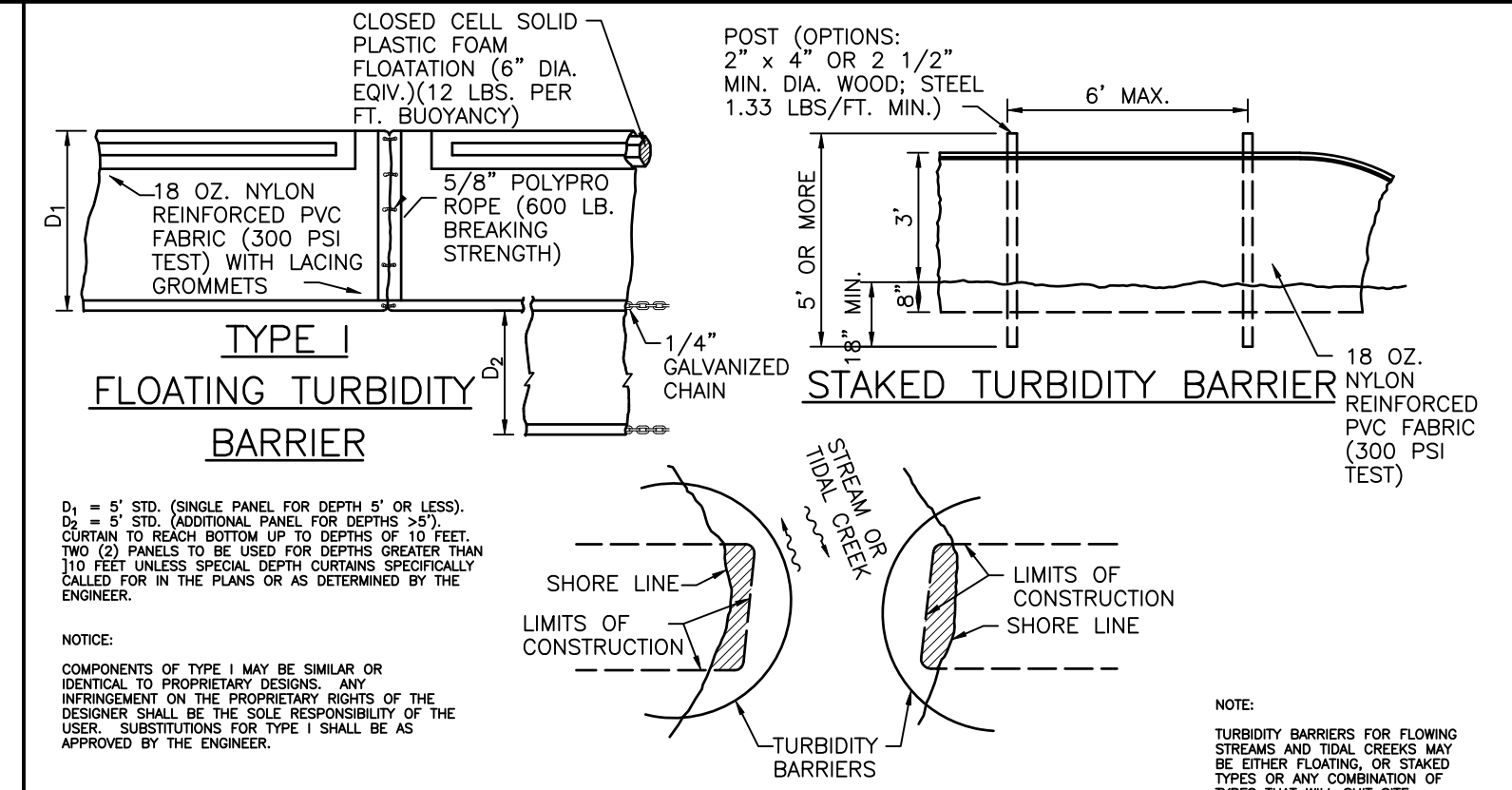
TYPICAL SILT FENCE
N.T.S.

FIGURE 2



TYPICAL BALE SILT BARRIER
N.T.S.

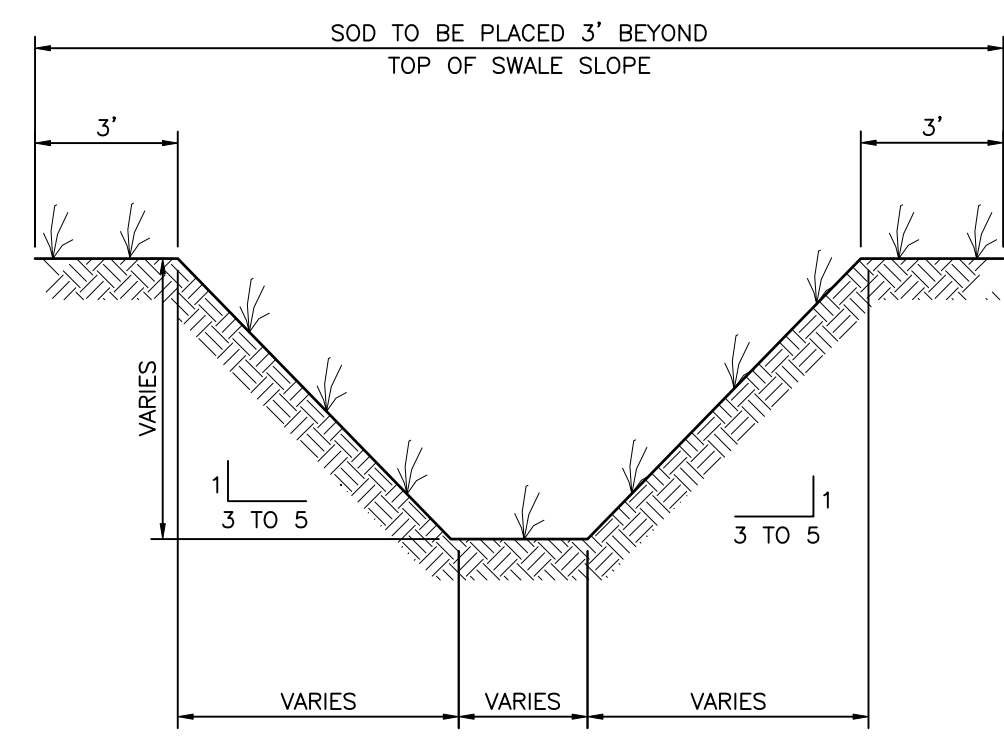
FIGURE 3



TURBIDITY BARRIER APPLICATIONS
TURBIDITY BARRIERS

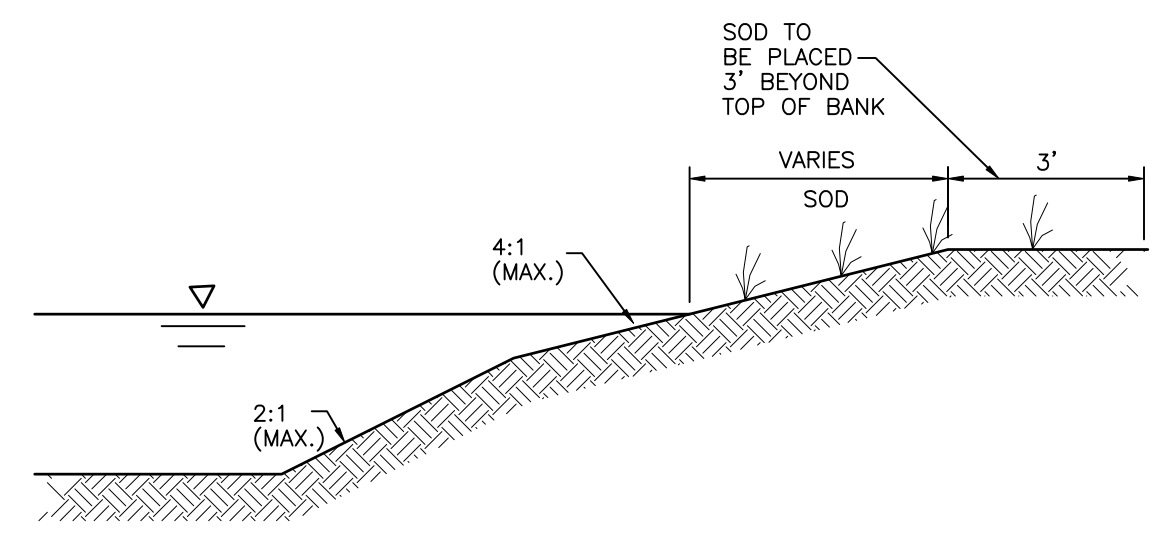
TURBIDITY BARRIERS
N.T.S.

FIGURE 4



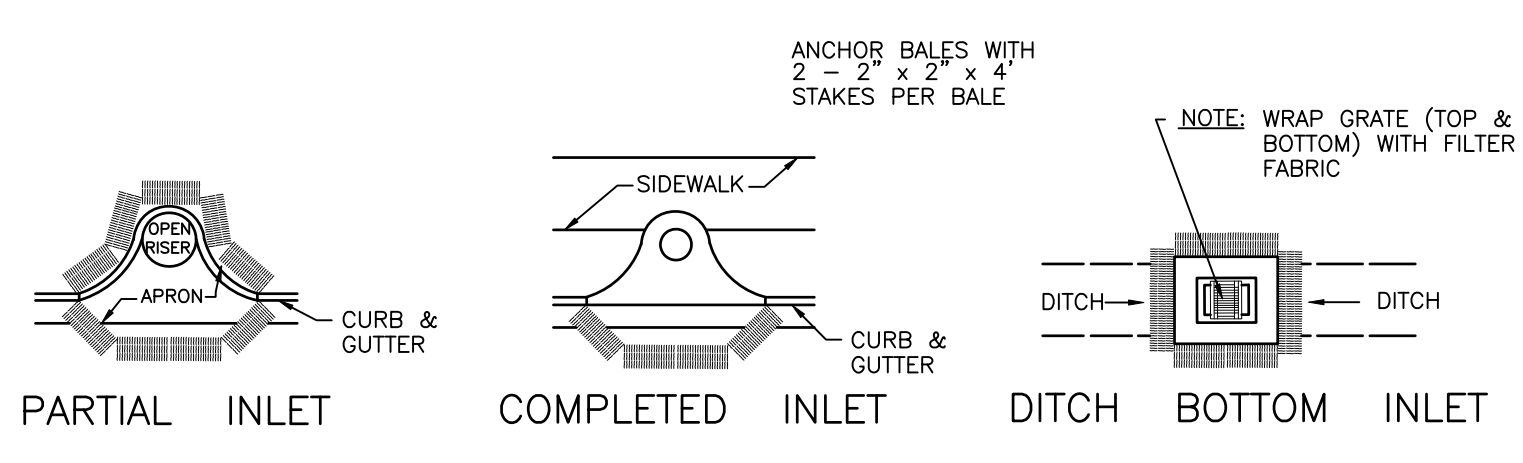
TYPICAL SWALE SECTION
N.T.S.

FIGURE 5



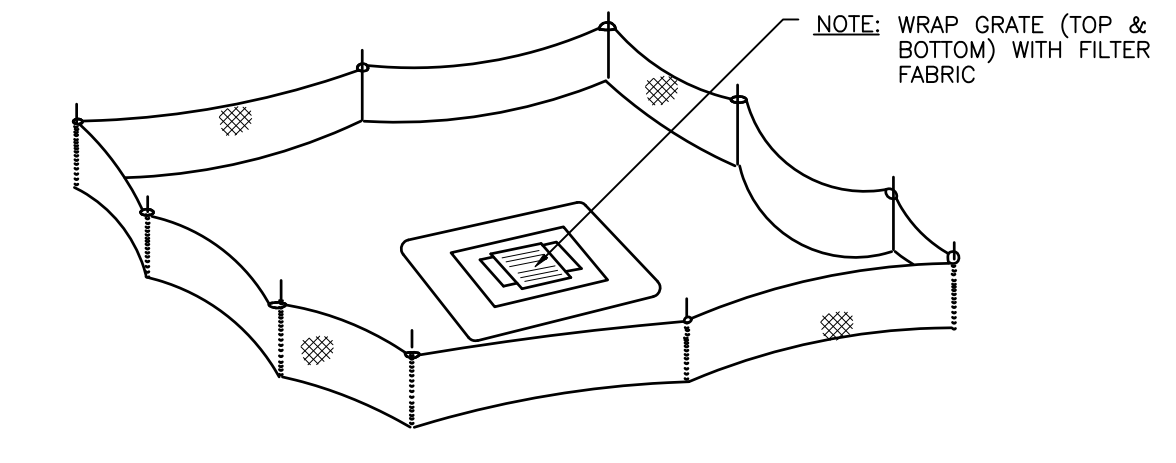
TYPICAL RETENTION/DETENTION POND SECTION
N.T.S.

FIGURE 6



PROTECTION AROUND INLETS OR SIMILAR STRUCTURES
N.T.S.

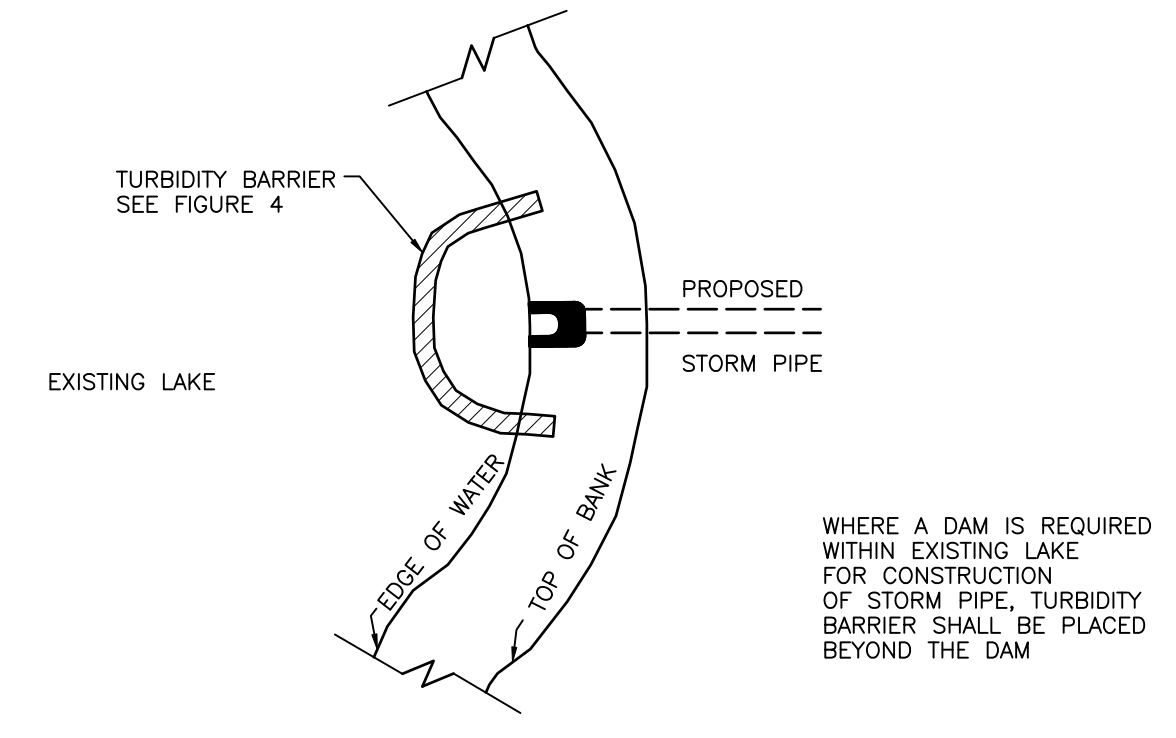
FIGURE 7



STAKED SILT BARRIER OR SILT FENCE PROTECTION AROUND DITCH BOTTOM

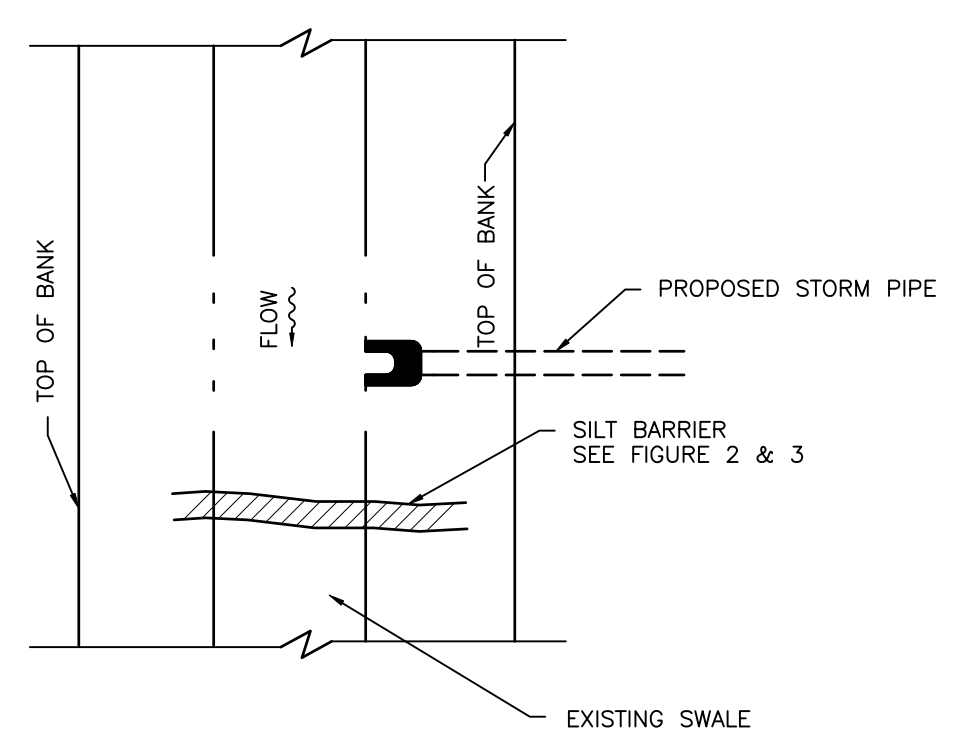
INLETS
N.T.S.

FIGURE 8



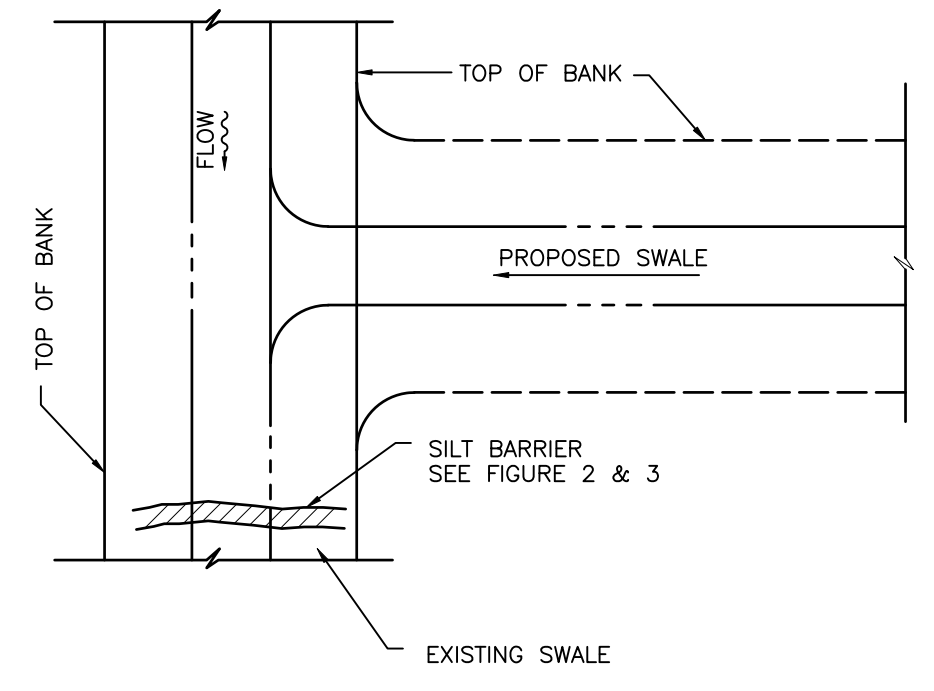
TURBIDITY BARRIER AT CONNECTION OF STORM PIPE TO EXISTING LAKE
N.T.S.

FIGURE 9



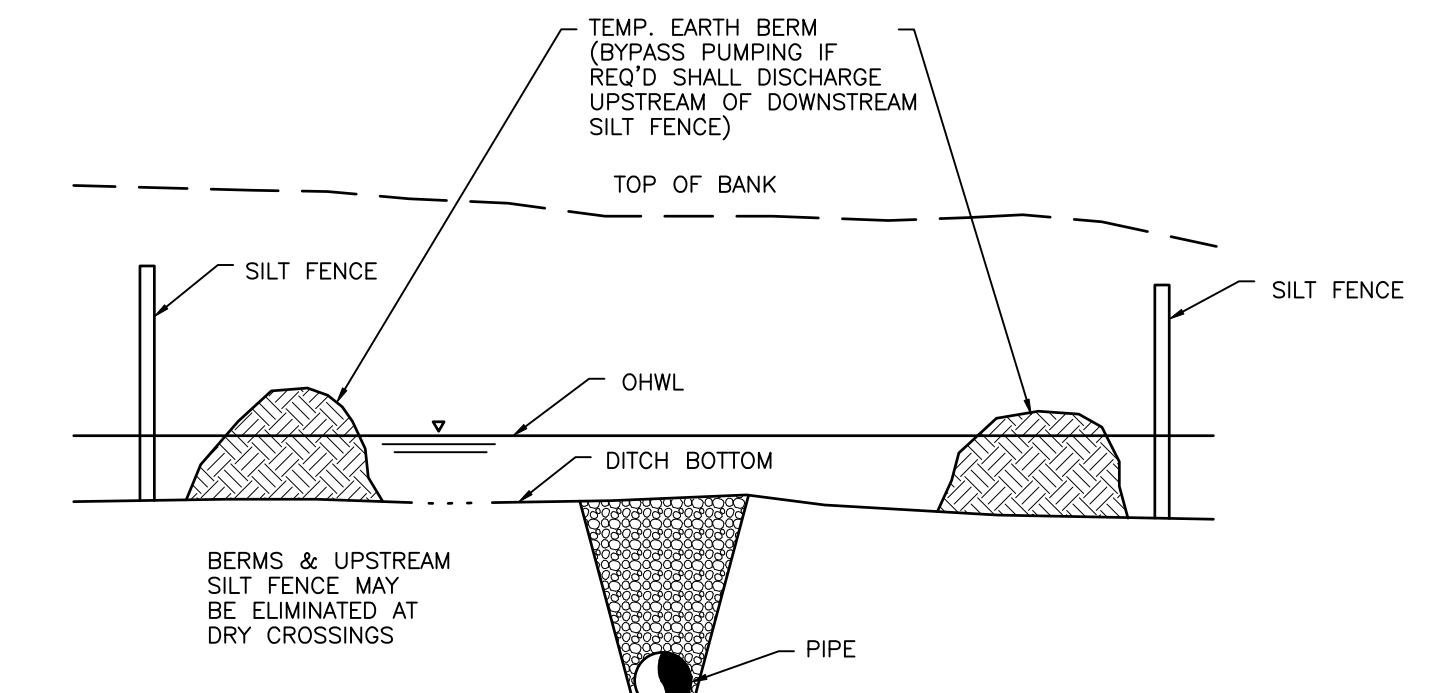
SILT BARRIER AT CONNECTION OF STORM PIPE TO EXISTING SWALE
N.T.S.

FIGURE 10



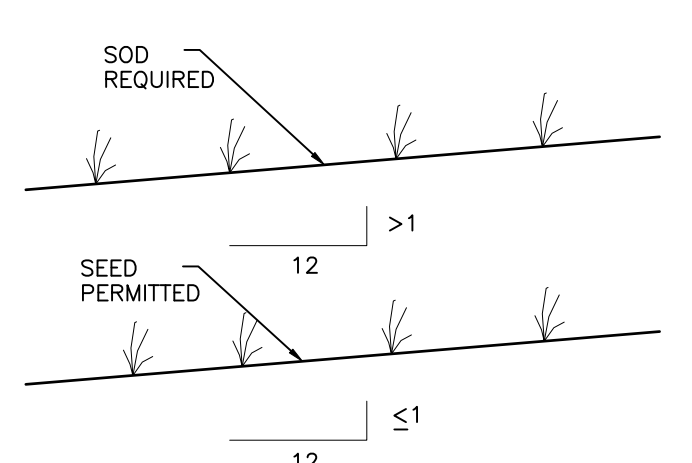
SILT BARRIER AT CONNECTION OF SWALE TO EXISTING SWALE
N.T.S.

FIGURE 11



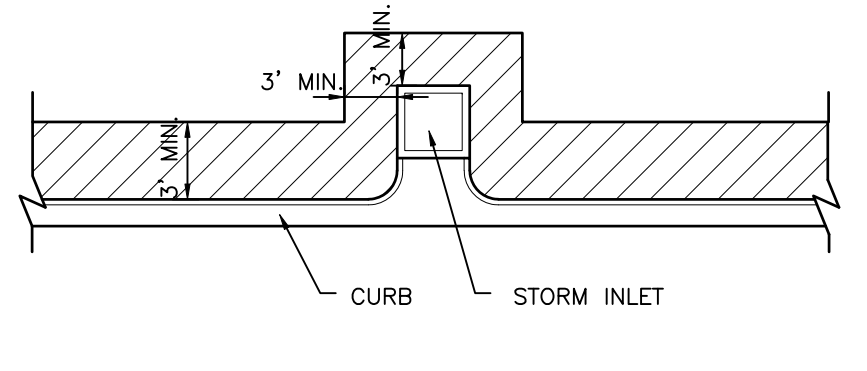
UNDERGROUND PIPE CROSSING
N.T.S.

FIGURE 12



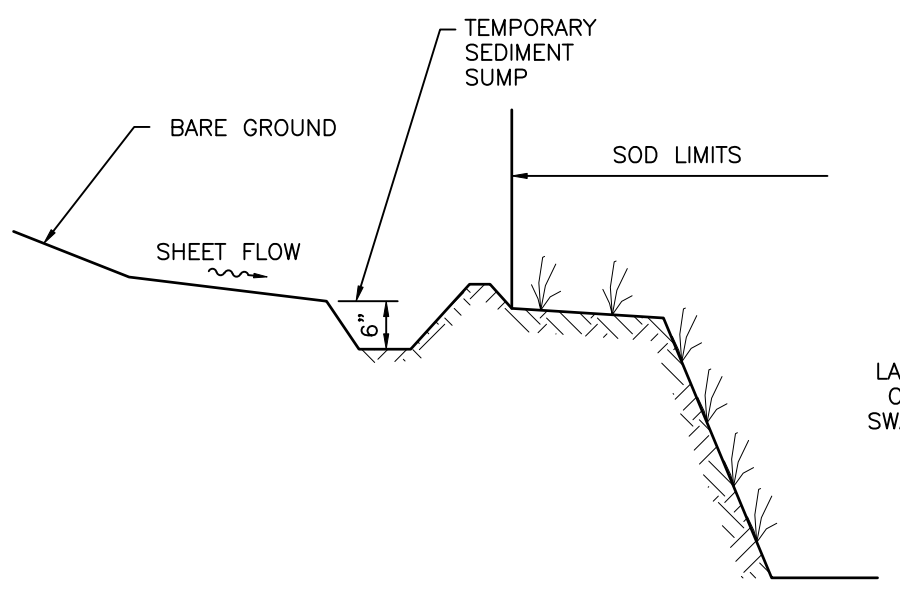
GRASS SLOPES
N.T.S.

FIGURE 13



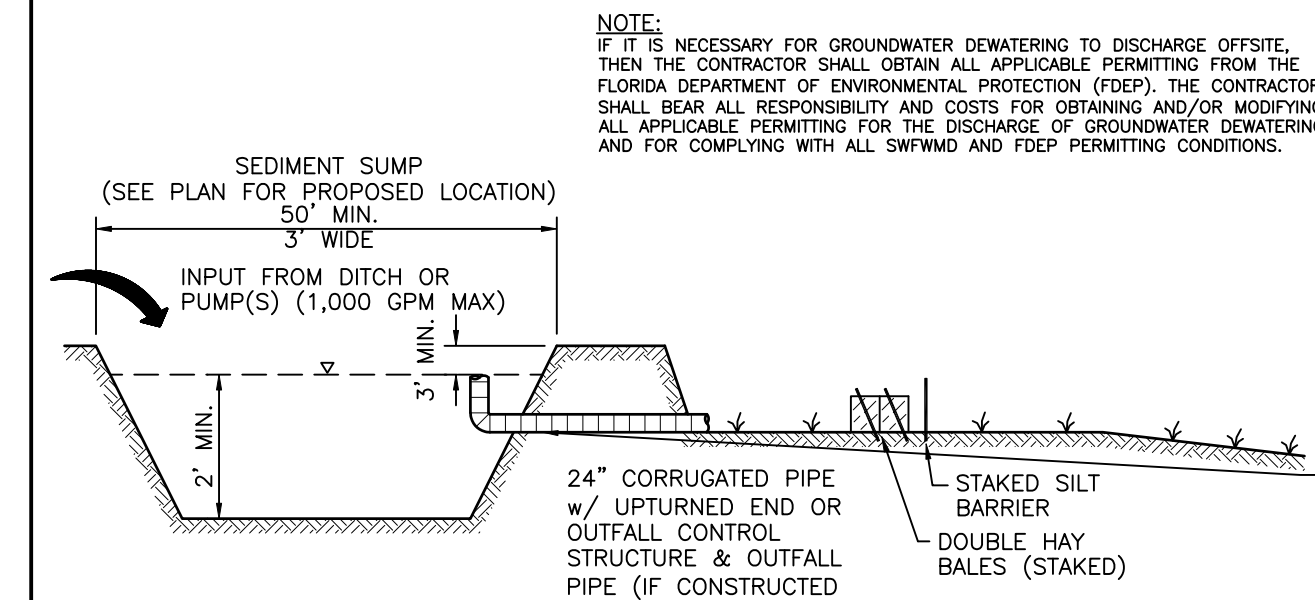
SOD ALONG CURB AND AROUND INLET
N.T.S.

FIGURE 14



TEMPORARY SEDIMENT SUMP
N.T.S.

FIGURE 15



SEDIMENT SUMP SECTION
N.T.S.

FIGURE 16

CONSTRUCTION SURFACE WATER MANAGEMENT PLAN (CSWMP) CERTIFICATION

OWNER/APPLICANT SIGNATURE _____ DATE _____
OWNER: CHARLIE BISHOP
TITLE: DIRECTOR
COMPANY: MANATEE COUNTY PROPERTY MANAGEMENT DEPARTMENT

REV. NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:	ACTIVITY	INITIALS/EMP. NO.	DATE
						DESIGNED BY:		
						DRAWN BY:	CLL/096591	12/2012
						CHECKED BY:		
						CONTRACT ADMIN. BY:		

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CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS
PROJECT: BLACKSTONE PARK EXPANSION
DATE: DECEMBER 2012
HORIZONTAL SCALE: AS SHOWN
VERTICAL SCALE: AS SHOWN
SHEET: 11 OF 17E

TITLE: BEST MANAGEMENT PRACTICES DETAILS
CROSS REFERENCE FILE NO.:
PROJECT NUMBER: 215611237
SHEET NUMBER: 19 OF 19
DANIEL J. BOND, P.E.
FLORIDA LICENSE NO. 57969
INDEX NUMBER:
D-215611237-019

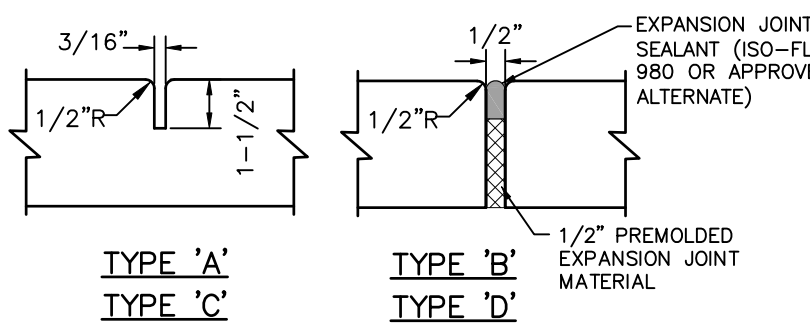
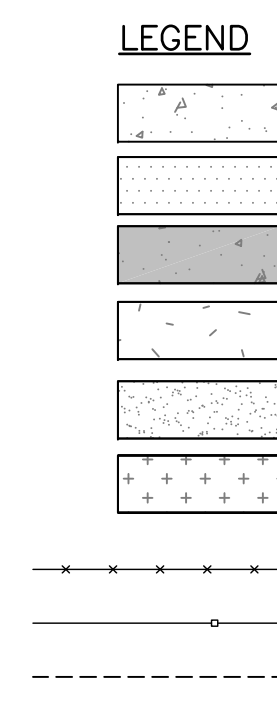
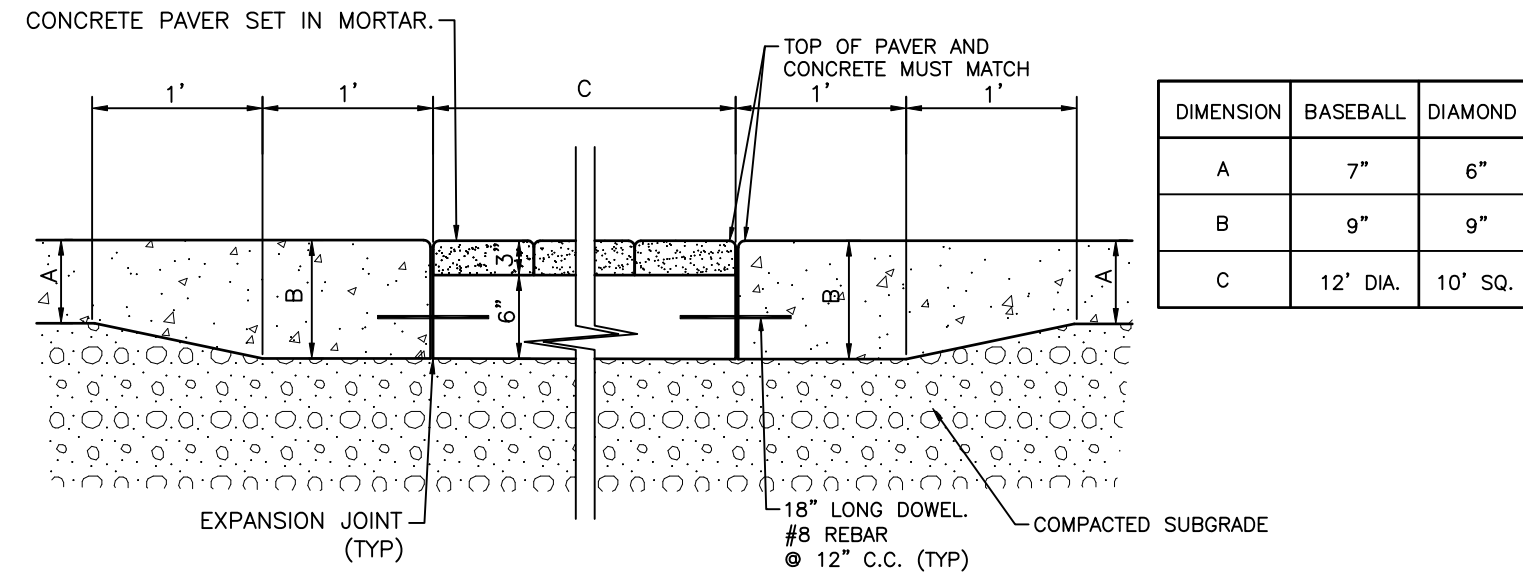


TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
(A)	SAWCUT JOINT LOCATIONS PER PLAN.
(B)	EXPANSION JOINT LOCATIONS PER PLAN. PROVIDE WHERE SIDEWALK ABUTS CONCRETE CURBS, CONCRETE PAVEMENT, CONCRETE PADS, & SIMILAR STRUCTURES. CONTRACTOR SHALL NOT ADJUST EXPANSION JOINT LOCATIONS AS SHOWN ON PLAN WITHOUT PRIOR APPROVAL OF ENGINEER.
(C)	SAWCUT CUT JOINTS FOR SIDEWALKS LOCATED WITHIN PARKING LOT AREA. SAWCUT JOINTS SHALL BE SPACED NO MORE THAN 5' C.C.
(D)	EXPANSION JOINTS FOR SIDEWALKS LOCATED WITHIN PARKING LOT AREA. PROVIDE WHERE SIDEWALK ABUTS CONCRETE CURBS, CONCRETE PAVEMENT, CONCRETE PADS, & SIMILAR STRUCTURES. EXPANSION JOINTS SHALL BE SPACED NO MORE THAN 100 FEET APART.

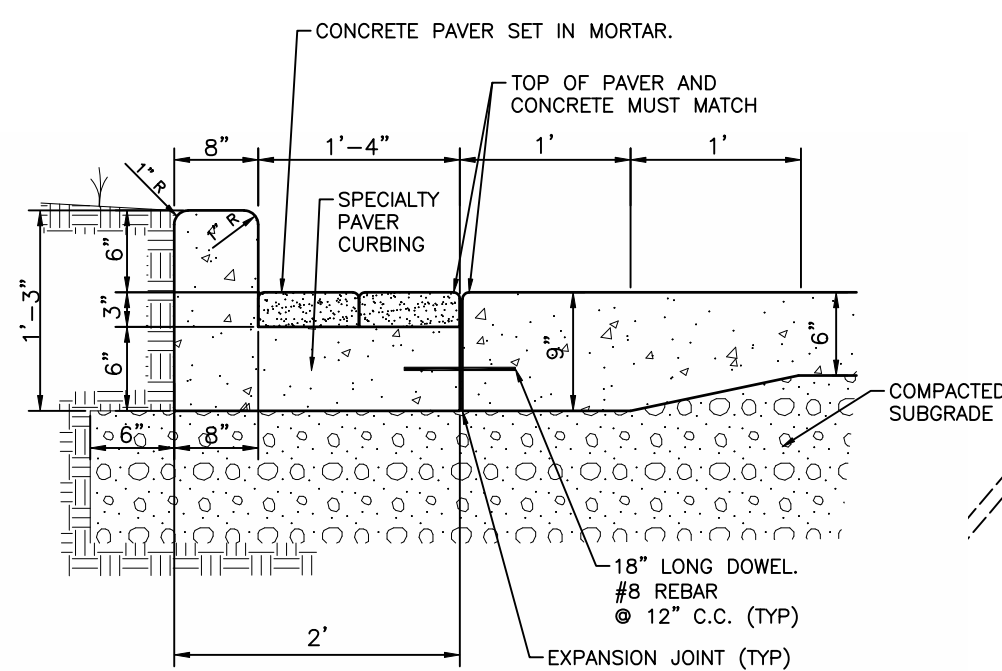


- NOTES:
- ALL ORGANIC MATERIAL & DEBRIS SHALL BE REMOVED & AREA GRADED & COMPACTED PRIOR TO CONCRETE PLACEMENT.
 - TYPE 'A' & 'C' JOINTS SHALL BE SAWCUT (MINIMUM 1-1/2" DEEP).
 - ALL SIDEWALKS AND SIDEWALK CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA), FLORIDA ACCESSIBILITY CODE AND F.D.O.T. INDEX #304.
 - CONTRACTOR SHALL ENSURE THAT ALL JOINTS ARE STRAIGHT AND TRUE. JOINTS THAT ARE NOT SAWCUT/FORMED STRAIGHT ARE SUBJECT TO REJECTION.

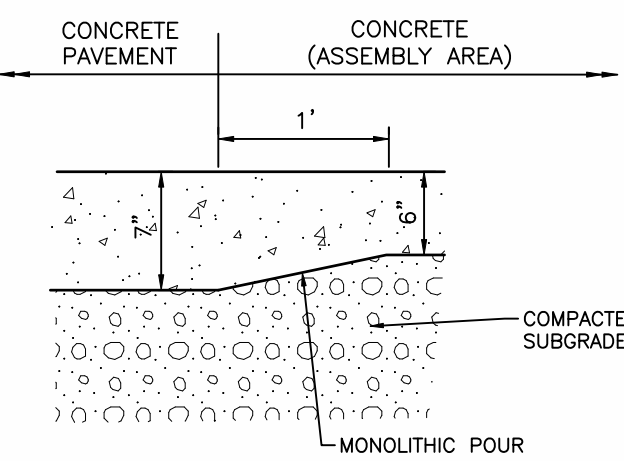
TYPICAL CONCRETE JOINTS DETAIL



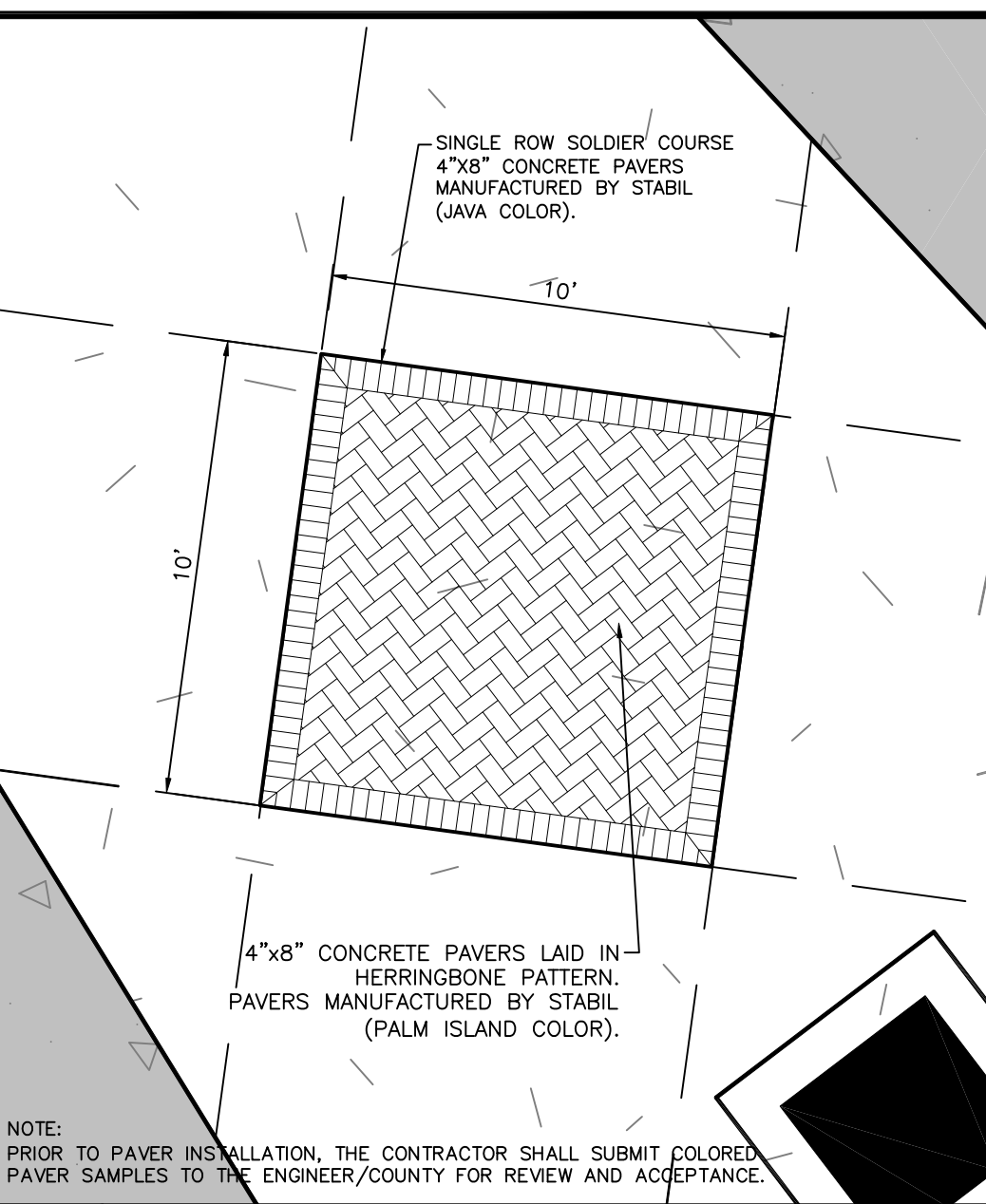
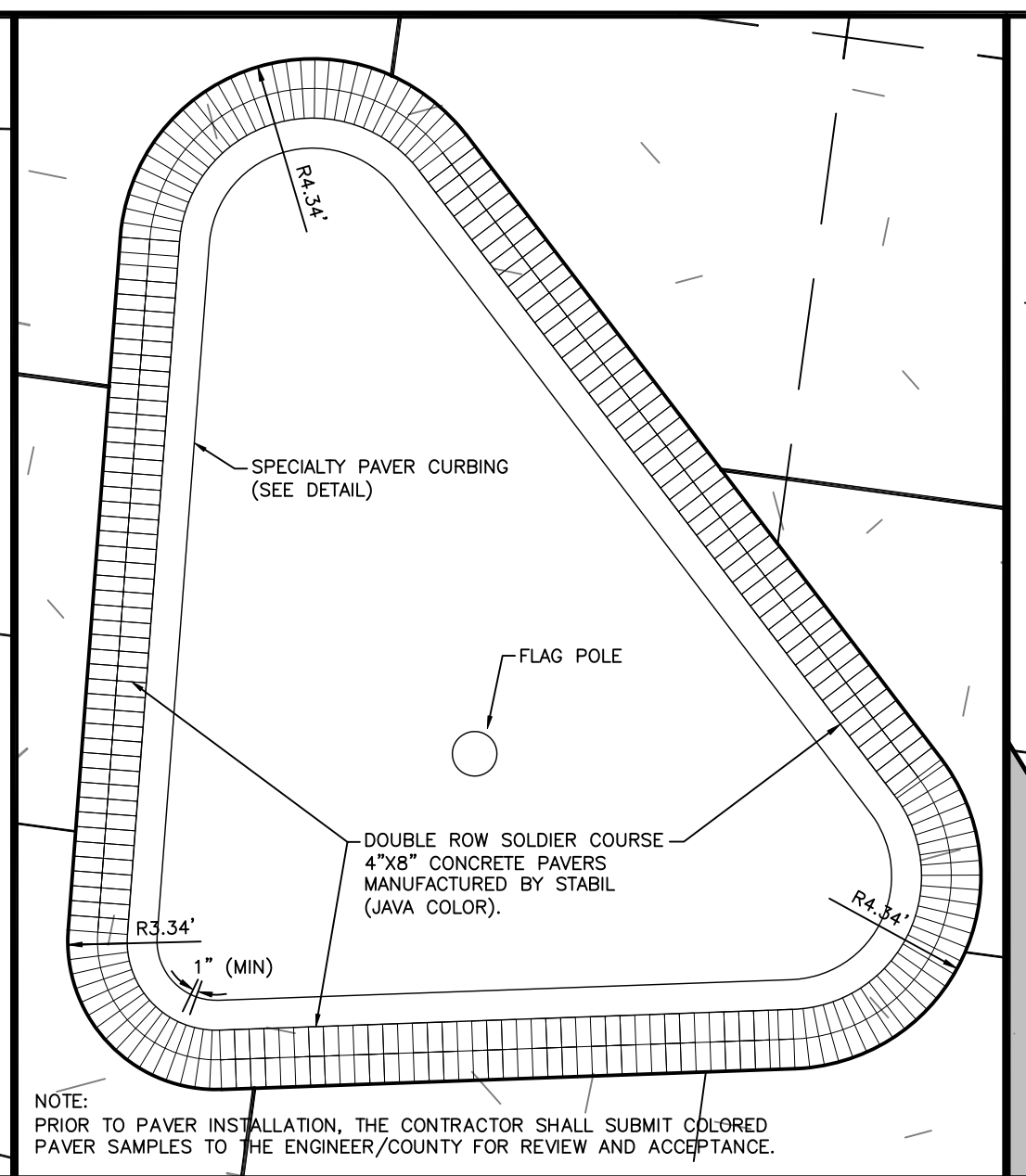
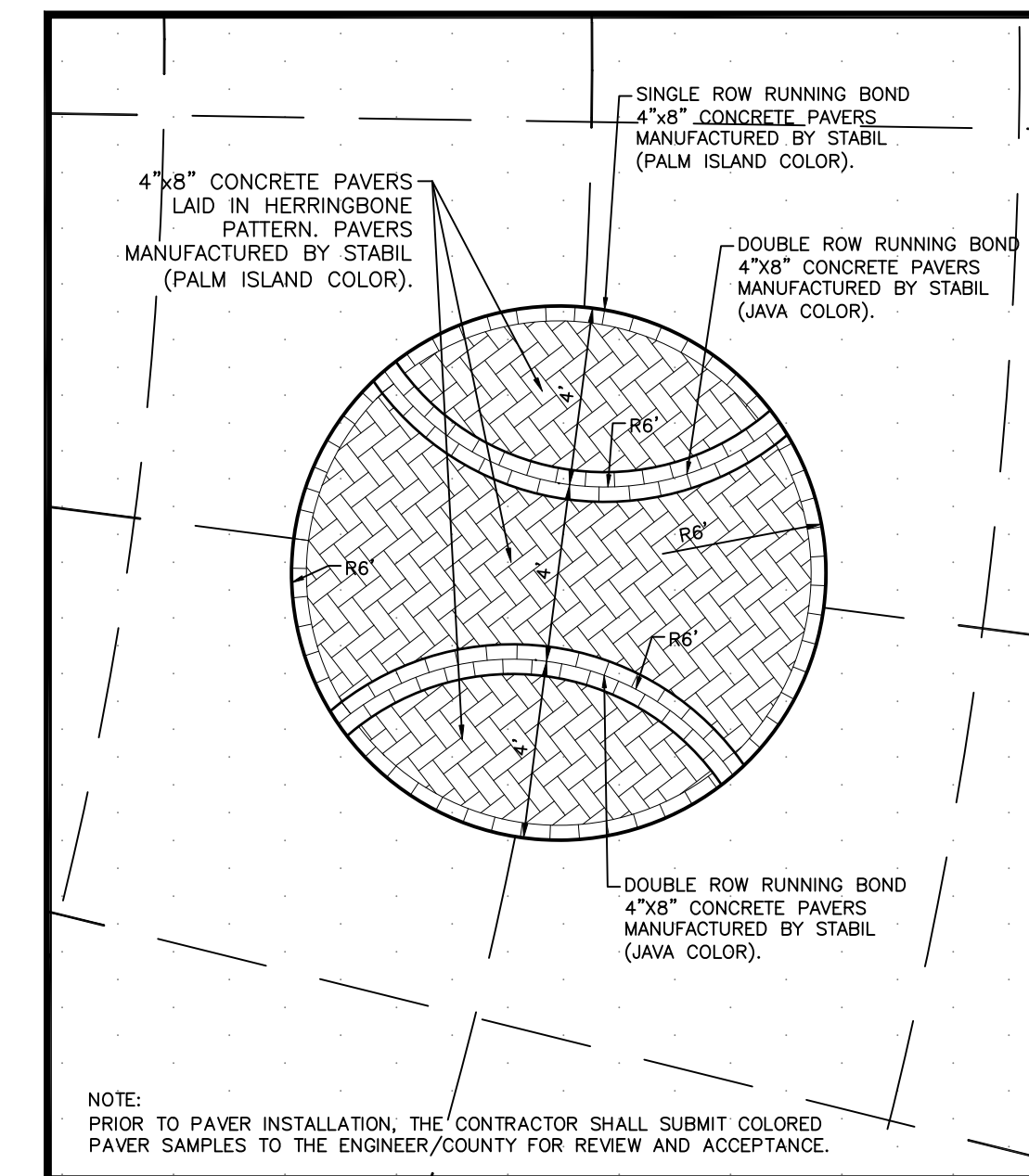
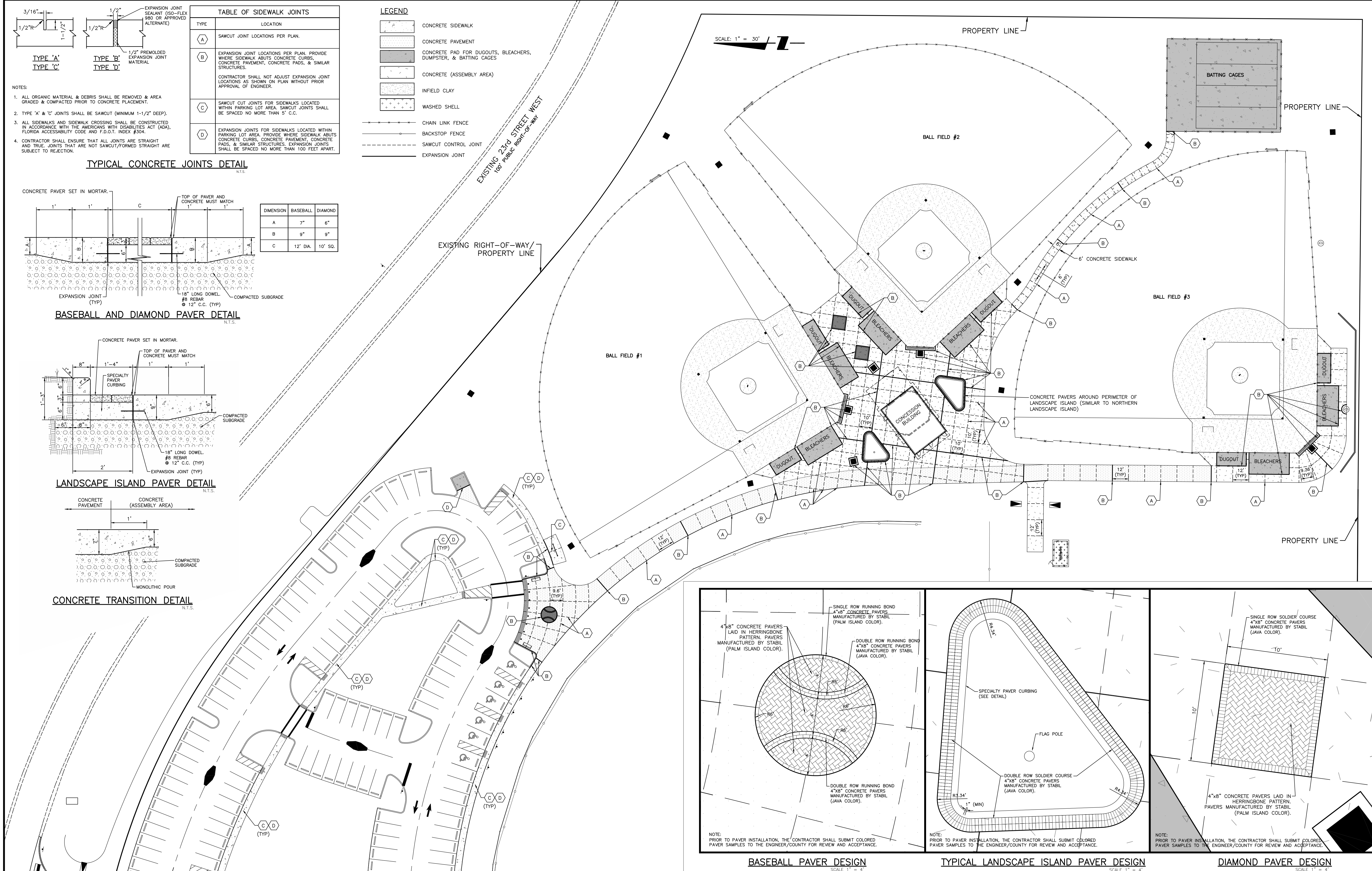
BASEBALL AND DIAMOND PAVER DETAIL



LANDSCAPE ISLAND PAVER DETAIL



CONCRETE TRANSITION DETAIL

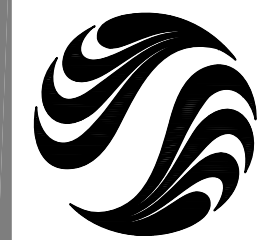


REV. NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	W/M APPROVED BY:	ACTIVITY	INITIALS/EMP. NO.	DATE
						DESIGNED BY:		
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CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS
PROJECT:	BLACKSTONE PARK EXPANSION

DATE:	DECEMBER 2012	TITLE:	CONCRETE AND PAVER SURFACING PLAN AND DETAILS
HORIZONTAL SCALE:	1" = 30'	INDEX NUMBER:	D-215611237-01
VERTICAL SCALE:	NA	CROSS REFERENCE FILE NO.:	PROJECT NUMBER: 215611237
SEC. TYP. SIZE:	11 3/4 x 17E	SHEET NUMBER:	1 OF 1



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Consultants

Legend

Notes

Revision By Appd. MM.DD.YY

1. 100% PLAN SET By Appd. MM.DD.YY
Issued By Appd. YY.MM.DD

File Name: ASM SAB 12.04.12
Dwn. Chkd. Dsgn. MM.DD.YY

SCOTT A. BUTTARI, L.A.
FLORIDA LICENSE NO. 0601798

Client/Project

Manatee County Board of County Commissioners

Blackstone Park Expansion

City of Palmetto, Florida

Title
LANDSCAPE MATERIALS / SURFACES PLAN

Project No. 215611237
Drawing No. Sheet of Revision

LP-401 of 0


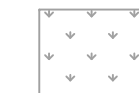


23rd STREET W

TOP OF BANK (TYP.)

DRY DETENTION AREA

LIMITS OF DEVELOPMENT (TYP.)

LIMITS OF DEVELOPMENT (TYP.)

-  Mulch
-  Sod A - Bermuda
-  Sod B - Tif-419
-  Sod C - Bahia



CLAY INFIELD SURFACE (TYP.)

CLAY INFIELD SURFACE (TYP.)

CLAY INFIELD SURFACE (TYP.)

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2012/05/22 3:12 PM By: Markie, Adam