



# Building Permit Application

Howard County Maryland  
Department of Inspections, Licenses and Permits  
3430 Court House Drive  
Permits: 410-313-2455  
www.howardcountymd.gov

Date Received: 10/23/17

Permit No.: B17003SC4

Comm. Nov #

Western Regional

Building Address: 14800 Carolis Hills Rd  
 City: Washington State: MD Zip Code: 21723  
 Suite/Apt. #: SDP/WP/BA #: 02-0641  
 Census Tract: Subdivision:  
 Section: Area: Lot:  
 Tax Map: Parcel: Grid:  
 Zoning: Map Coordinates: Lot Size:  
 Existing Use: Playground  
 Proposed Use: Playground with shade  
 Estimated Construction Cost: \$ 80000  
 Description of Work: Install 7 shade structures  
 HOCO  
 Occupant or Tenant: WESTERN REGIONAL PARK  
 Was tenant space previously occupied?  Yes  No  
 Contact Name:  
 Address:  
 City: State: Zip Code:  
 Phone: Fax:  
 Email:

Property Owner's Name: Howard Co. Rec & Parks  
 Address: 7100 CAROLIS HILLS RD  
 City: Columbia State: MD Zip Code: 21046  
 Phone: 410-313-4646 Fax:  
 Email: BLW7@howardcountymd.gov  
 Applicant's Name & Mailing Address, (if other than stated herein)  
 Applicant's Name: Commercial Recreation Products  
 Address: PO Box 999  
 City: Havre de Grace State: MD Zip Code: 21078  
 Phone: 410-963-3417 Fax:  
 Email: COMMREC@att.net.com  
 Contractor Company: Custom Park Services  
 Contact Person: Bill Armstrong  
 Address: 2017 E. Old Jessup Rd  
 City: Jessup State: MD Zip Code: 20794  
 License No.: 02105772  
 Phone: 410-799-7745 Fax:  
 Email: Bill.Armstrong@cpss.com  
 Engineer/Architect Company: USA SHADE  
 Responsible Design Prof.:  
 Address: 8505-A Cherokee Lane Row  
 City: Dallas TX Zip Code: 75247  
 Phone: 972-966-5005 Fax:  
 Email: ALANIE@USA-SHADE.COM

Commercial Building Characteristics	Residential Building Characteristics	
Height:	<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	
No. of stories:	Depth	Width
Gross area, sq. ft./floor:	1 <sup>st</sup> floor:	
	2 <sup>nd</sup> floor:	
Area of construction (sq. ft.):	Basement:	
	<input type="checkbox"/> Finished Basement	
Use group:	<input type="checkbox"/> Unfinished Basement	
	<input type="checkbox"/> Crawl Space	
Construction type:	<input type="checkbox"/> Slab on Grade	
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms:	
<input type="checkbox"/> Structural Steel	Multi-family Dwelling	
<input type="checkbox"/> Masonry	No. of efficiency units:	
<input type="checkbox"/> Wood Frame	No. of 1 BR units:	
<input type="checkbox"/> State Certified Modular	No. of 2 BR units:	
	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
<input checked="" type="checkbox"/> Roadside Tree Project Permit	Footings:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roof:	
Roadside Tree Project Permit #	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

Utilities	
<u>Water Supply</u>	
<input checked="" type="checkbox"/> Public	
<input type="checkbox"/> Private	
<u>Sewage Disposal</u>	
<input type="checkbox"/> Public	
<input type="checkbox"/> Private	
Electric:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Gas:	<input type="checkbox"/> Yes <input type="checkbox"/> No
<u>Heating System</u>	
<input type="checkbox"/> Electric	<input type="checkbox"/> Oil
<input type="checkbox"/> Natural Gas	<input type="checkbox"/> Propane Gas
<input type="checkbox"/> Other:	
<u>Sprinkler System:</u>	
<input type="checkbox"/> Yes	<input type="checkbox"/> No
Grading Permit Number:	
Building Shell Permit Number:	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: *[Signature]*  
 Email Address: *Commercial Recreation Products LLC*  
 Title/Company: *Commercial Recreation Products LLC*

Print Name: *John Harick*  
 Date: *10/23/17*

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY  
 \*\*PLEASE WRITE NEATLY & LEGIBLY\*\*  
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	11/17	<i>[Signature]</i>

Is Sediment Control approval required for issuance?  Yes  No  
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION	
Front:	
Rear:	
Side:	
Side St.:	
All minimum setbacks met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:	
SDP/Red-line approval date:	

Filing Fee	\$
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$
Check	#

Distribution of Copies: White: Building Officials Green: PSZA, Zoning Yellow: PSZA, Engineering Pink: Health Gold: SHA

*Redline done mylar changed*



THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.



CORPORATE HEADQUARTERS  
8505-A CHANCELLOR ROW  
DALLAS, TX, 75247  
800-966-5005

CERTIFICATIONS:  
IAS CERTIFICATION No: FA-426  
CLARK COUNTY MANUFACTURER  
CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:  
**PLAYPOWER  
LITTLE TIKES**  
PROJECT NAME:  
**WESTERN  
REGIONAL PARK**  
LOCATION:  
**WOODBINE,  
MD**  
PROJECT NUMBER:  
**60311**

STRUCTURE TYPE:  
**TRIANGLE SUPERSPAN  
(FULL CUSTOM)**

SIZE:  
**SEE PAGE 2000**

SCALE : AS NOTED

DRAWING SIZE: **B**

9-11-17

REV	DATE	DRW	CHK	ENG
NC	9/17/17			

FILED CUSTOM DESCRIPTION

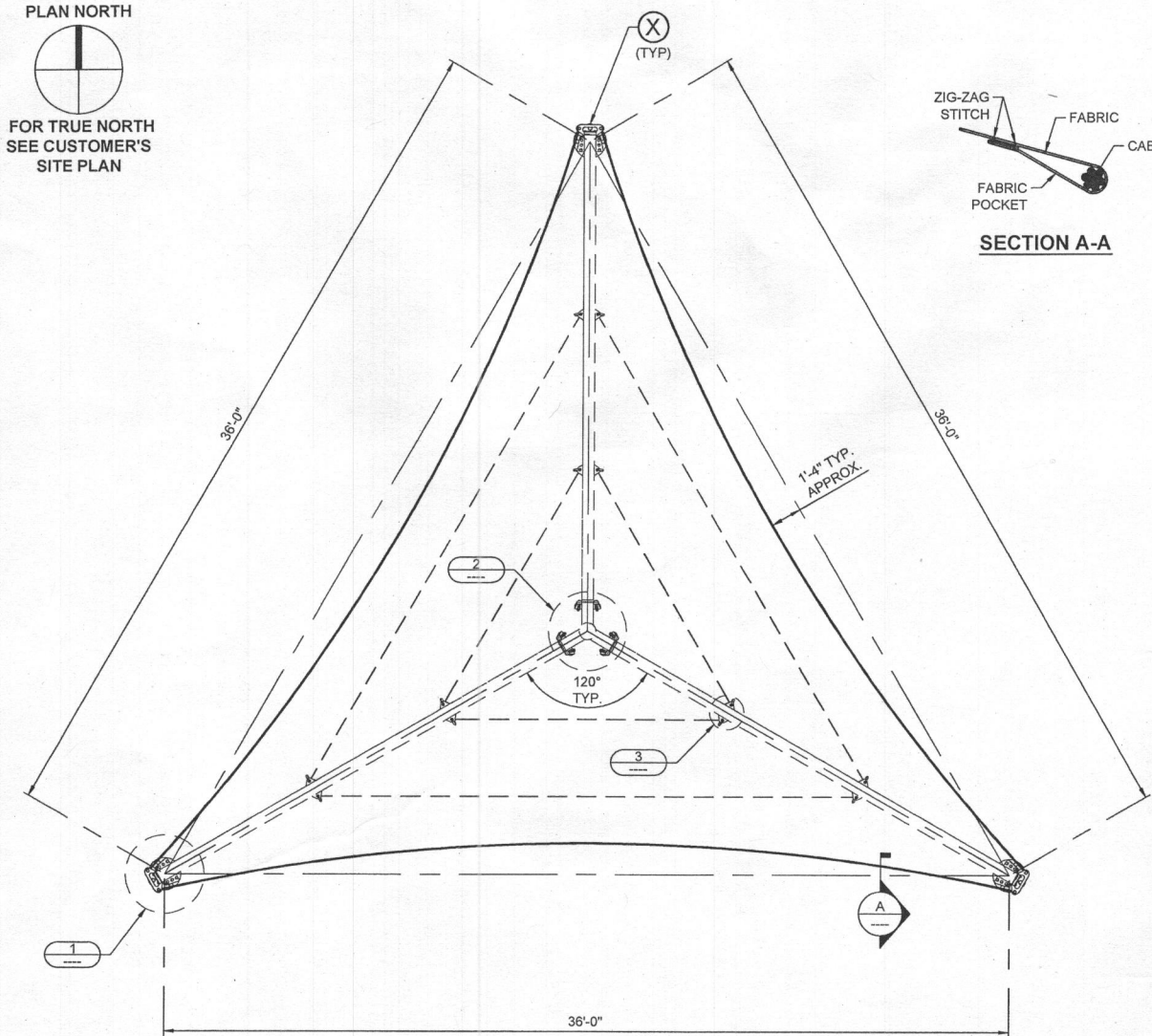
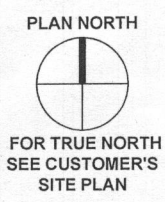
Eng. By : JO 10/18/16  
Design By : MP 10/18/16  
Approved By : JO 10/18/16

DRAWING DESCRIPTION:  
**VIEWS AND DETAILS**

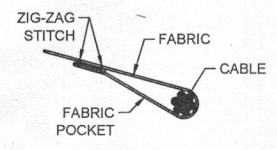
DWG. **60311-1.1**

PAGE **2000**

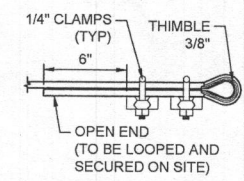
REV. **NC**



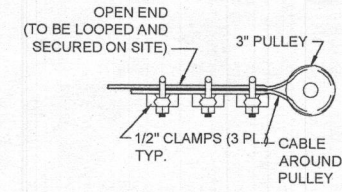
**TOP VIEW**



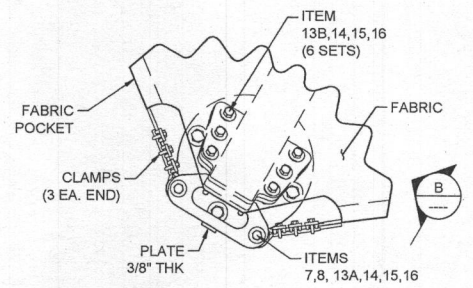
**SECTION A-A**



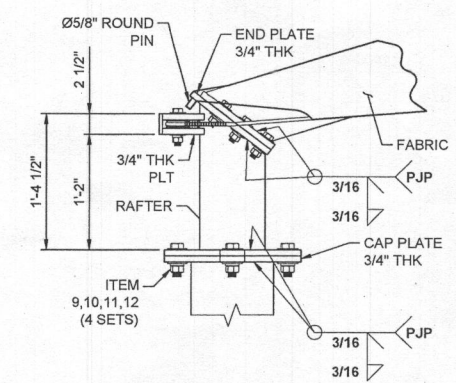
**THIMBLE END**  
TYP. 1/4" CABLE



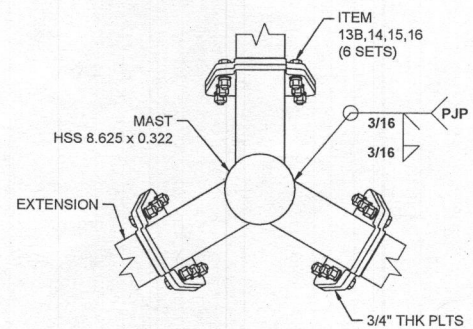
**PULLEY END**  
TYP. 1/2" CABLE



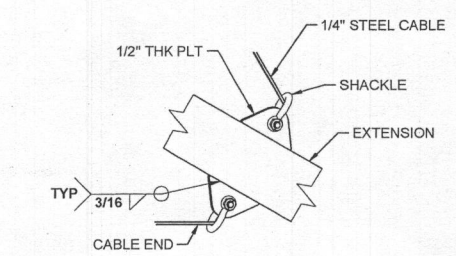
**DETAIL 1**



**VIEW B-B**



**DETAIL 2**

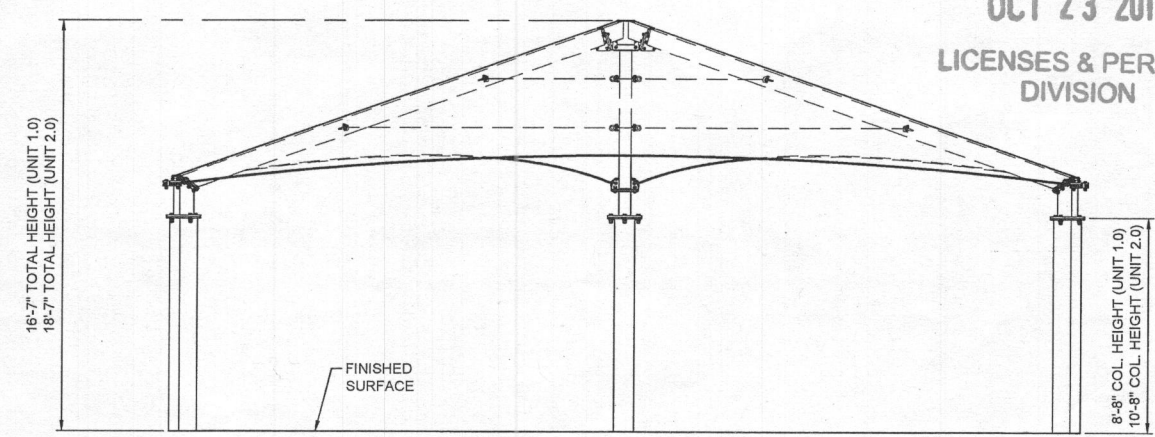


**DETAIL 3**

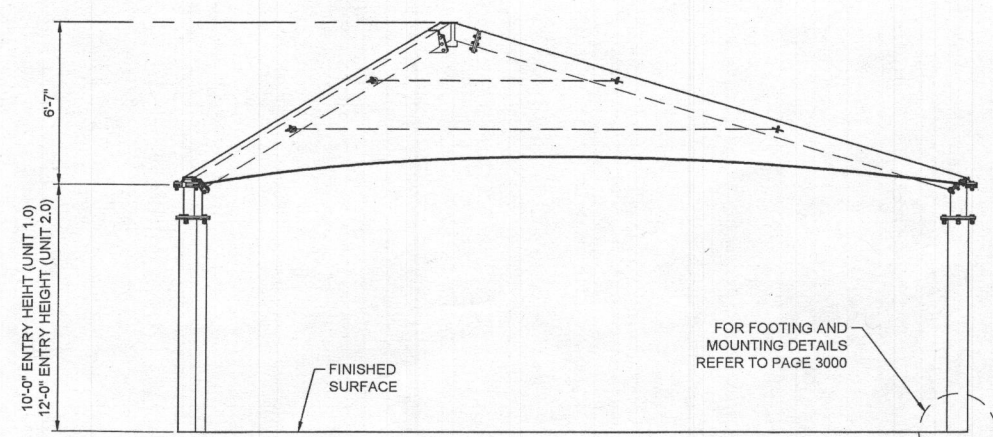
**RECEIVED**

**OCT 23 2017**

**LICENSES & PERMITS  
DIVISION**



**FRONT ELEVATION**



**SIDE ELEVATION**

**REINFORCED CONCRETE NOTES**

1. CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE SPECIFICATION FOR STRUCTURAL CONCRETE ACI 301 AND BUILDING CODE ACI 318. CONCRETE SPECIFICATIONS, SHALL BE AS FOLLOWS:
  - 28 DAY STRENGTH: 2500 PSI
  - SLUMP: 3-5
  - PORTLAND CEMENT SHALL CONFORM TO C-150
  - AGGREGATE SHALL CONFORM TO ASTM C-33
2. ALL REINFORCEMENT STEEL SHALL CONFORM TO ASTM A-615 GRADE 60; AND SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI SPECIFICATION FOR STRUCTURAL CONCRETE ACI 301, ACI DETAILING MANUAL AND CRSI MANUAL OF STANDARD PRACTICE.
3. ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 55 (GALVANIZED).
4. ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI, AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C939, ASTM C1090, ASTM C1107, WHEN APPLICABLE.
5. SOIL PARAMETERS FOR FOOTING ANALYSIS; TABLE 1806.2, CLASS : 5

PLAN NORTH



FOR TRUE NORTH  
SEE CUSTOMER'S  
SITE PLAN

RECEIVED

OCT 23 2017

LICENSES & PERMITS  
DIVISION

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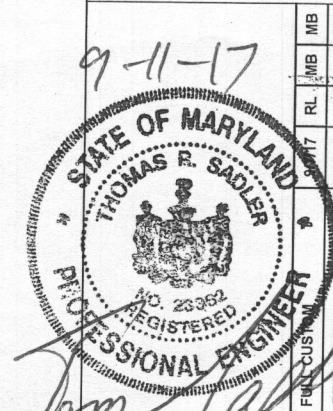
CORPORATE HEADQUARTERS  
8505-A CHANCELLOR ROW  
DALLAS, TX, 75247  
800-966-5005

CERTIFICATIONS:  
IAS CERTIFICATION No: FA-428  
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CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:  
**PLAYPOWER  
LITTLE TIKES**  
PROJECT NAME:  
**WESTERN  
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LOCATION:  
**WOODBINE,  
MD**  
PROJECT NUMBER:  
**60311**

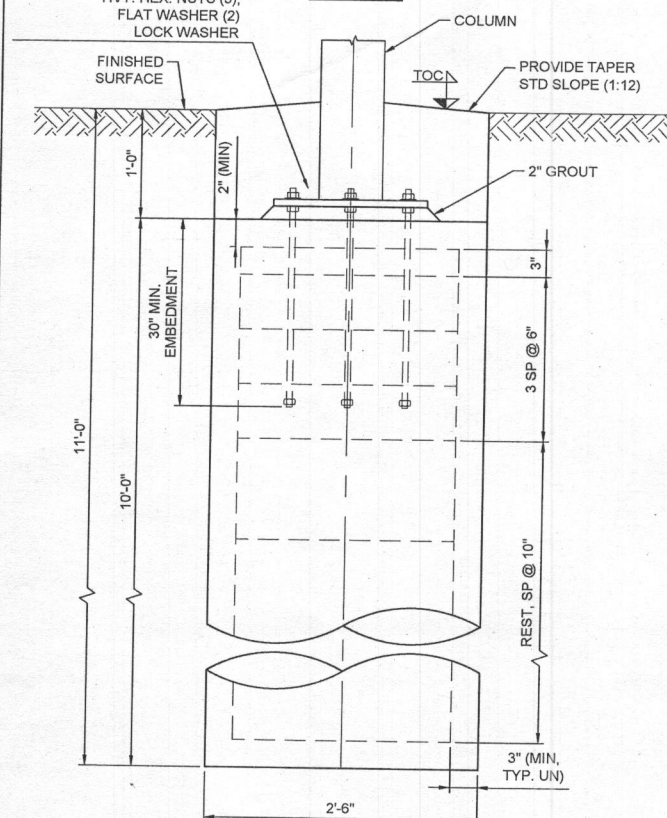
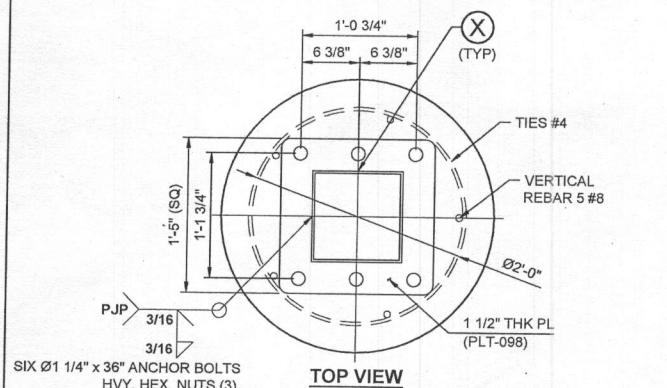
STRUCTURE TYPE:  
**TRIANGLE SUPERSPAN  
(FULL CUSTOM)**  
SCALE: AS NOTED

DRAWING SIZE:  
**B**

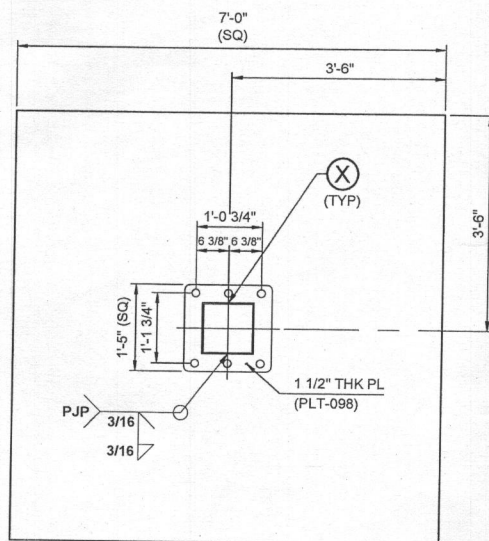


Eng. By :	JO	10/18/16
Design By :	MP	10/18/16
Approved By :	JO	10/18/16

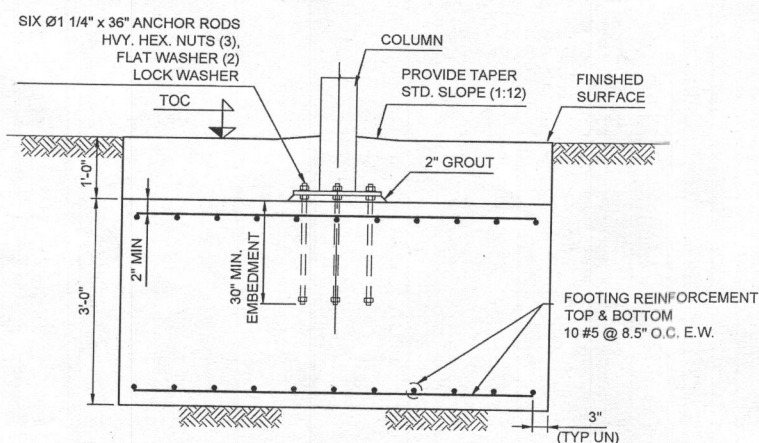
DRAWING DESCRIPTION:  
**FOOTING DETAILS**  
DWG. **60311-1.1**  
PAGE **3000**  
REV. **NC**



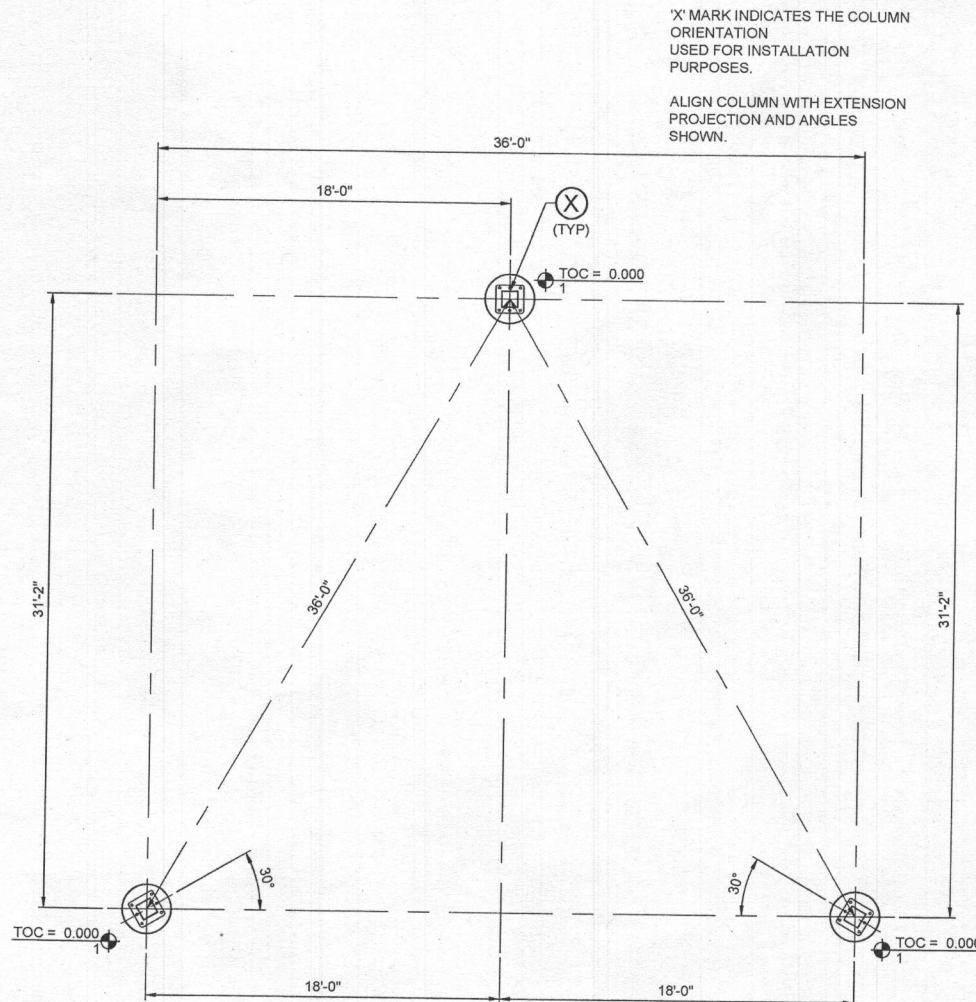
**FOOTING TYPE 11**  
(RECESSED BASE PLATE, RBP)  
(USE FOR NON-CONSTRAINED CASES)



**TOP VIEW**  
(SCHEMATIC VIEW ONLY)



**ALTERNATE SPREAD FOOTING**  
(SF TYPE 11)  
(SCHEMATIC VIEW ONLY)



**FOUNDATION LOCATION PLAN (UNIT 1.0 & 2.0)**  
(ELEVATIONS ARE IN FEET)  
(FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS)

'X' MARK INDICATES THE COLUMN  
ORIENTATION  
USED FOR INSTALLATION  
PURPOSES.  
  
ALIGN COLUMN WITH EXTENSION  
PROJECTION AND ANGLES  
SHOWN.

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5	C2	SITE PLAN-AREAS B&C
6	C3	SITE PLAN-AREA D
7	C4	SITE PLAN-AREA E
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34	SC9	SEDIMENT & EROSION CONTROL PLAN-AREA H
35	SC10	SEDIMENT & EROSION CONTROL PLAN-AREA I
36	SC11	SEDIMENT & EROSION CONTROL PLAN-AREA J
37	SC12	SEDIMENT & EROSION CONTROL PLAN-AREA K
38	SC13	SEDIMENT & EROSION CONTROL PLAN-AREA L
39	SC14	SEDIMENT BASIN #1 PLAN & DETAILS
40	SC15	SEDIMENT BASIN #1 PROFILES & DETAILS
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42	SC17	SEDIMENT BASIN #3 PLAN & PROFILES
43	SC18	SEDIMENT BASIN #3 DETAILS
44	SC19	SEDIMENT BASIN #4 PLAN & PROFILES
45	SC20	SEDIMENT BASIN #4 DETAILS
46	SC21	SEDIMENT BASIN #5 PLAN & PROFILES
47	SC22	SEDIMENT BASIN #6 PLAN & PROFILES
48	SC23	SEDIMENT BASIN #7 PLAN & PROFILES
49	SC24	SEDIMENT & EROSION CONTROL DETAILS
50	SC25	SEDIMENT & EROSION CONTROL DETAILS
51	SC26	SEDIMENT & EROSION CONTROL DETAILS
52	SC27	SEDIMENT & EROSION CONTROL DETAILS
53	SC28	SEDIMENT & EROSION CONTROL DETAILS
54	SC29	SEDIMENT & EROSION CONTROL DETAILS
55	SC30	SEDIMENT & EROSION CONTROL DETAILS
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57	SC32	SEDIMENT & EROSION CONTROL DETAILS
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60	SW3	DRY SWALE DETAILS AND PROFILES
61	SW4	STORMWATER MANAGEMENT E PLAN AND DETAILS
62	SW5	STORMWATER MANAGEMENT F PLAN AND PROFILES
63	SW6	BIORETENTION F1 PLAN AND PROFILES
64	SW7	SAND FILTER F2 PLAN AND PROFILES
65	SW8	BIORETENTION F3 PLAN AND PROFILES
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78	LS5	LANDSCAPE PLAN - AREA F
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80	LS7	LANDSCAPE PLAN - AREA H
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87	LS14	LANDSCAPE DETAILS
88	LS15	LANDSCAPE DETAILS
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90	LS17	PLANTING PLAN STORMWATER MANAGEMENT POND E
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93	LS20	PLANTING PLAN BIORETENTION AREA F3
94	LS21	PLANTING PLAN BIORETENTION AREA F4
95	LS22	LANDSCAPE DETAILS

# SITE DEVELOPMENT PLAN

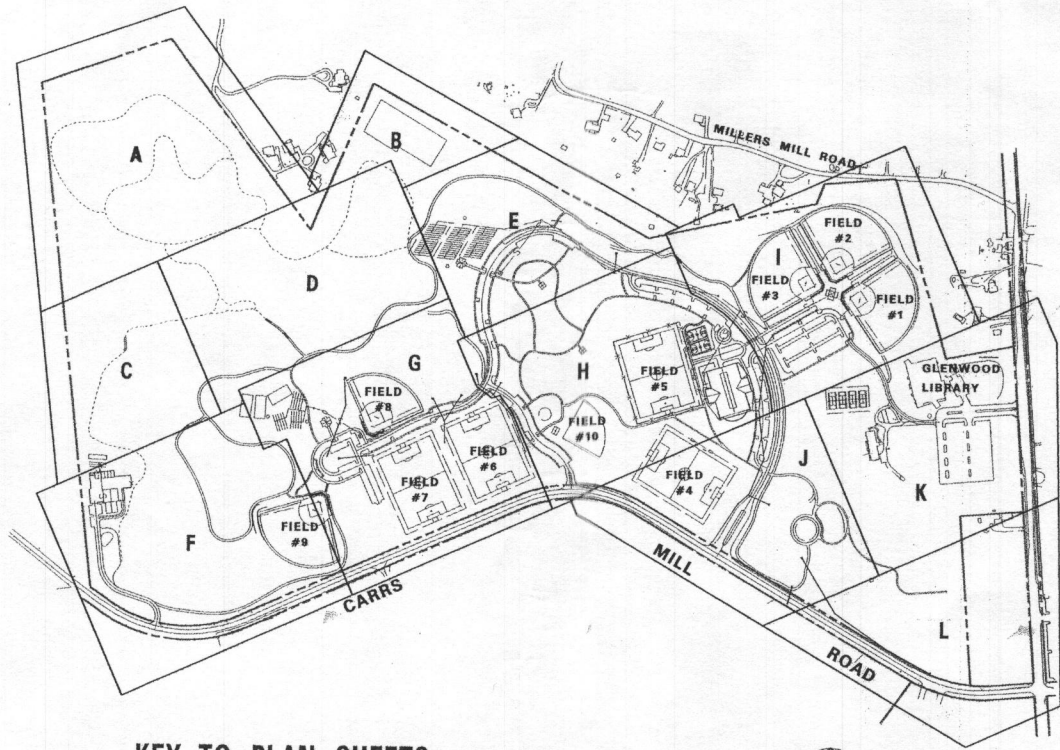
# WESTERN REGIONAL PARK

## GLENWOOD

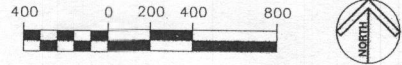
## HOWARD COUNTY, MARYLAND

### DEPARTMENT OF PUBLIC WORKS

### CAPITAL PROJECT N-3932



**KEY TO PLAN SHEETS**  
SCALE: 1" = 400'



**HOWARD COUNTY HEALTH DEPARTMENT NOTES**

- HOWARD COUNTY HEALTH DEPARTMENT APPROVAL IS BASED ON PHASE I MASS GRADING ONLY.
- DETAILED SEPTIC SYSTEM CONSTRUCTION PLANS AND THE PERCOLATION CERTIFICATION PLAN MUST BE SUBMITTED AND APPROVED BY THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO ISSUANCE OF THE BUILDING PERMIT.
- A REVISED GROUNDWATER APPROPRIATIONS PERMIT APPLICATION, FOR THE PROPOSED FLOWS, MUST BE SUBMITTED TO THE HOWARD COUNTY HEALTH DEPARTMENT FOR FORWARDING TO THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR REVIEW AND APPROVAL. THE GROUNDWATER APPROPRIATION PERMIT MUST BE ISSUED PRIOR TO ISSUANCE OF THE BUILDING PERMIT.

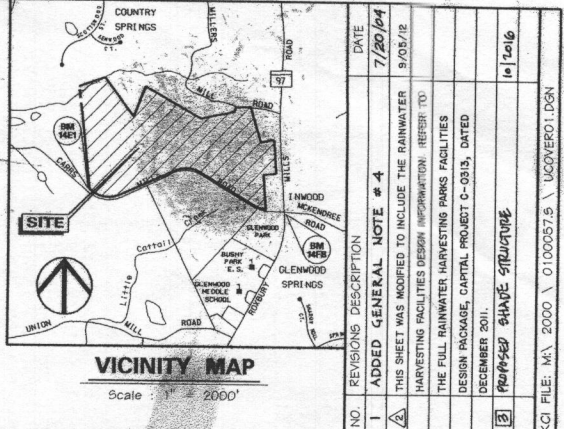
**BENCHMARK DATA**

B.M. 14E1 ELEV. 591.029  
N 596,213.616  
E 1,301,591.909

BEING A STANDARD STAMPED (BRASS OR ALUMINUM) DISC SET ONTO A CONCRETE (3" DEEP) COLUMN. LOCATED APPROX. 54' EAST OF C&P POLE #20 AND APPROX. 74.4' NORTHEAST OF B&E POLE #959734.

B.M. 14FB ELEV. 620.437  
N 595,657.268  
E 1,306,552.150

BEING A STANDARD STAMPED (BRASS OR ALUMINUM) DISC SET ONTO A CONCRETE (3" DEEP) COLUMN. LOCATED APPROX. 96' SOUTH OF THE CENTERLINE OF MCKENDREE ROAD AND APPROX. 3.6' EAST OF THE EASTERN EDGE OF ROUTE 97



**INDEX OF SHEETS CONTINUED**

SHEET NO.	SHEET REF.	DESCRIPTION
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95	FC02	FOREST CONSERVATION PLAN - AREAS B&C
96	FC03	FOREST CONSERVATION PLAN - AREA D
97	FC04	FOREST CONSERVATION PLAN - AREA E
98	FC05	FOREST CONSERVATION PLAN - AREA F
99	FC06	FOREST CONSERVATION PLAN - AREA G
100	FC07	FOREST CONSERVATION PLAN - AREA H
101	FC08	FOREST CONSERVATION PLAN - AREA I
102	FC09	FOREST CONSERVATION PLAN - AREA J
103	FC10	FOREST CONSERVATION PLAN - AREA K
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111	D5	DETAIL PLAN OF RETAINING WALLS
112	D6	DETAIL PLAN OF RETAINING WALLS
113	D7	SOFTBALL COMPLEX AREA, RETAINING WALL SECTIONS AND PROFILES

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.  
License No. 16156 Expiration Date: 6-26-18



SEAL FOR RECORD  
REV. # 3 ONLY

STATE OF MARYLAND  
MICHAEL H. GORMAN  
PROFESSIONAL ENGINEER  
10/19/02

PROFESSIONAL CERTIFICATE:  
I HEREBY CERTIFY THAT THE INFORMATION CLOUDED AND LISTED UNDER REVISION # 1 (OR 2, DEPENDING ON THE PAGE) ON THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND (LICENSE NO. 1598), EXPIRATION DATE 3/15/2004. I DO NOT CERTIFY THE ACCURACY OF ANY OTHER INFORMATION, ALL OF WHICH WAS PREPARED BY OTHERS.

**ADDRESS CHART**

BUILDING	AREA/PAGE #	ADDRESS
IN-LINE HOCKEY CONCESSION	H / C7	14700 CARRS MILL ROAD
MAINTENANCE	I / C6	2360 ROUTE 97
	F / C5	15040 CARRS MILL ROAD
PRIMARY ENT. SIGN	J / C9	14714 CARRS MILL ROAD
SEC. ENT. SIGN	H / C7	14814 CARRS MILL ROAD
SERVICE ENT. SIGN	F / C5	15036 CARRS MILL ROAD
ALL OTHER CONSTRUCTION, INCLUDING GRADING, PARKING LOTS, TRAILS, COMFORT STATIONS, PICNIC PAVILIONS, PLAYING FIELDS, ETC.		14800 CARRS MILL ROAD

**GENERAL NOTES**

- OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND KCI TECHNOLOGIES, INC. DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY SUCH INFORMATION TO HIS OWN SATISFACTION.
- SHOULD THE CONTRACTOR DISCOVER ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY TO RESOLVE THE SITUATION. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER, THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THOSE CHANGES.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION FROM THE PLANS PRIOR TO ANY CHANGE BEING MADE. ANY DEVIATION OF THE PLAN WITHOUT THE WRITTEN AUTHORIZATION FROM THE ENGINEER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING  
9/12/02  
DATE  
9/22/02  
DATE  
10/23/02  
DATE

**PERMIT INFORMATION CHART**

SUBDIVISION NAME WESTERN REGIONAL PARK	SECTION/AREA N/A	LOT/PARCEL # PARCEL 'A'
PLAT# or LTR 15581	ORD. NO. 9,4,10	ZONING RCDEO
WATER CODE	SEWER CODE 14	ELECT. DISTR. 04
		GENUINE TRACT 6040.02

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
10-17-02  
DATE  
10/15/02  
DATE

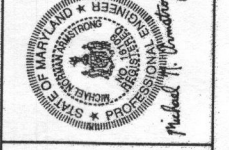
DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
10/15/02  
DATE  
10/15/02  
DATE

DEPARTMENT OF RECREATION AND PARKS  
HOWARD COUNTY, MARYLAND  
10/15/02  
DATE  
10/15/02  
DATE

NO.	REVISION DESCRIPTION	DATE
1	ADDED GENERAL NOTE # 4	7/20/04
2	THIS SHEET WAS MODIFIED TO INCLUDE THE MAINWATER HARVESTING FACILITIES DESIGN INFORMATION. (REFER TO THE FULL MAINWATER HARVESTING PARK FACILITIES DESIGN PACKAGE, CAPITAL PROJECT C-0315, DATED DECEMBER 2001.)	9/03/02
3	PROPOSED SHADE STRUCTURE	10/15/02

**KCI TECHNOLOGIES INC.**  
ENGINEERS • PLANNERS • SURVEYORS

10 HUNT PARK DRIVE  
HUNT VALLEY, MARYLAND 21038  
PHONE: (410) 316-7800 FAX: (410) 316-7817  
WWW.KCI.COM

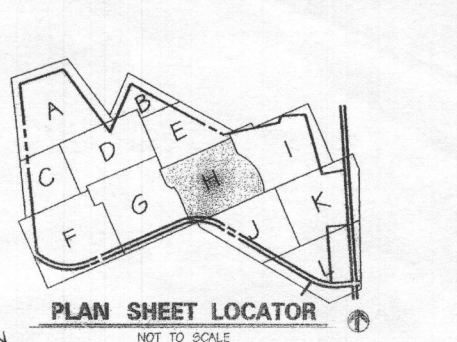
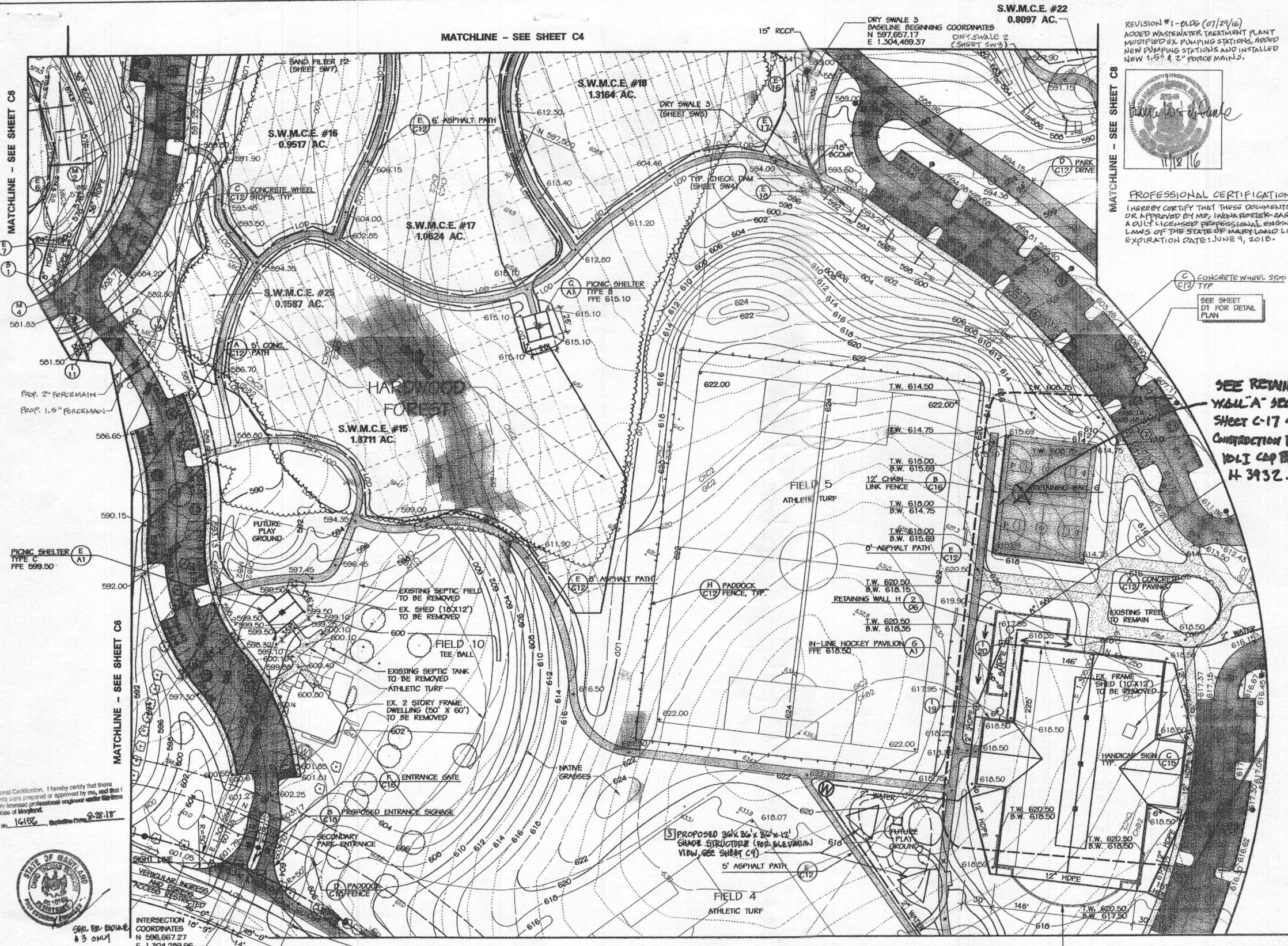


**WESTERN REGIONAL PARK**  
HOWARD COUNTY DEPARTMENT OF RECREATION AND PARKS  
7120 OAKLAND MILLS ROAD  
COLUMBIA, MARYLAND 21046-1677  
(410) 316-4640

**TITLE SHEET**

SCALE:	AS SHOWN
DATE:	06-12-02
KCI JOB NO.:	01-00057
CAPITAL PROJECT NO.:	N-3932
PERMIT ISSUE:	
CONSTRUCTION ISSUE:	

**T1**  
SHEET NO.: 1 OF 113  
SDP-02-64

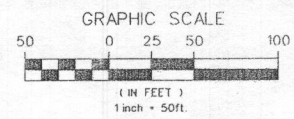


REVISION #1 - OLD (07/29/16)  
 ADDED WASTEWATER TREATMENT PLANT  
 MODIFIED EX. PUMPING STATIONS, ADDED  
 NEW PUMPING STATIONS AND INSTALLED  
 NEW 1.5" & 2" FORCE MAINS.

PROFESSIONAL CERTIFICATION  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED  
 OR APPROVED BY ME, WANDA ROSEK-ZARSKA, AND THAT I AM  
 A duly licensed PROFESSIONAL ENGINEER UNDER THE  
 LAWS OF THE STATE OF MARYLAND LICENSE NO. 21245  
 EXPIRATION DATE: JUNE 9, 2018.

**LEGEND**

- 590 --- EX. INDEX CONTOUR
- GIC2 --- EX. 2' INTERMEDIATE CONTOUR
- SOIL LINE --- SOIL LINE
- PROPERTY BOUNDARY --- PROPERTY BOUNDARY
- EX. TREE (SIGNIFICANT SIZE OR LOCATION)
- EX. WOODS LINE --- EX. WOODS LINE
- 15-24.9% SLOPES --- 15-24.9% SLOPES
- 25%+ SLOPES --- 25%+ SLOPES
- 100 YEAR FLOODPLAIN --- 100 YEAR FLOODPLAIN
- SURVEYED WETLAND --- SURVEYED WETLAND
- 25' WETLAND BUFFER --- 25' WETLAND BUFFER
- EX. STREAMS --- EX. STREAMS
- 75' STREAM BUFFER --- 75' STREAM BUFFER
- EQUESTRIAN/HIKING TRAIL --- EQUESTRIAN/HIKING TRAIL
- EX. SPOT ELEVATION --- EX. SPOT ELEVATION
- PROPOSED TREE LINE TO REMAIN --- PROPOSED TREE LINE TO REMAIN
- PROPOSED ASPHALT PATH --- PROPOSED ASPHALT PATH
- PROPOSED CONCRETE PATH --- PROPOSED CONCRETE PATH
- PROPOSED FENCE LINE --- PROPOSED FENCE LINE
- PROPOSED RETAINING WALL --- PROPOSED RETAINING WALL
- PROPOSED CONC. CURB & GUTTER --- PROPOSED CONC. CURB & GUTTER
- PROPOSED ASPHALT PAVING --- PROPOSED ASPHALT PAVING
- 620 --- PROPOSED INDEX CONTOUR
- 614 --- PROPOSED INTERMEDIATE CONTOUR
- 617.25 --- PROPOSED SPOT ELEVATION
- PROPOSED INLET
- △ PROPOSED STORM DRAIN END SECTION
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN
- PROPOSED SEPTIC TANK
- PROPOSED SANITARY SEWER
- PROPOSED SEWER MANHOLE
- PROPOSED SEPTIC DRAIN FIELD --- PROPOSED SEPTIC DRAIN FIELD
- PROPOSED MONITORING WELL
- PROPOSED 2" WATER LINE --- PROPOSED 2" WATER LINE
- EXISTING WELL
- PROPOSED LIGHT POLE --- PROPOSED LIGHT POLE
- PROPOSED PADDOCK FENCE --- PROPOSED PADDOCK FENCE
- SWM CREDIT EASEMENT --- SWM CREDIT EASEMENT
- FC67 FOREST CONSERVATION EASEMENT & FOREST RETENTION SIGN



DATE	10/20/16
NO. REVISIONS DESCRIPTION	1. PROPOSED SHADE STRUCTURE
<p>KCI TECHNOLOGIES INC.          ENGINEERS • PLANNERS • SURVEYORS          10 NORTH PARK DRIVE          HUNT VALLEY, MARYLAND 20830          PHONE: (410) 316-7800 FAX: (410) 316-7817          WWW.KCI.COM</p>	
<p><b>WESTERN REGIONAL PARK</b>          HOWARD COUNTY DEPARTMENT OF RECREATION AND PARKS          7120 OAKLAND MILLS ROAD          COLUMBIA, MARYLAND 21046-1677          (410)-313-4640</p>	
SCALE:	1" = 50'
DATE:	06-12-02
KCI JOB NO.:	01-00057
CAPITAL PROJECT NO.:	N-3932
PERMIT ISSUE:	
CONSTRUCTION ISSUE:	
<p><b>C7</b></p>	
<p>MARYLAND COORDINATE SYSTEM          HORIZONTAL NAD 83-91          VERTICAL NAVD 29</p>	
<p>SHEET NO.: 10 OF 113          50P-02-64</p>	

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.  
 License No. 16156, Expiration Date: 9-28-18



APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 DATE: 9/27/16

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
 COUNTY HEALTH OFFICER  
 DATE: 10-23-16

**CARRS MILL ROAD**

COUNTY OWNED PUBLIC ROAD  
 60' W. R.O.W.  
 DESIGNATED SCENIC ROAD  
 COLLECTOR ROAD

**NOTE**  
 The proposed tree line corresponds to the Limit of Disturbance line. In areas of tree line disturbance the new tree line limit is shown behind the Limit of Disturbance for graphic clarity.

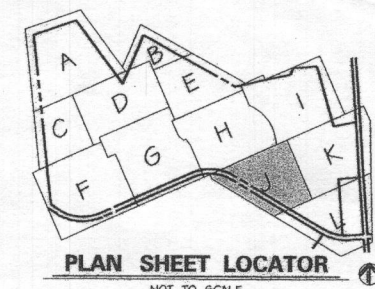
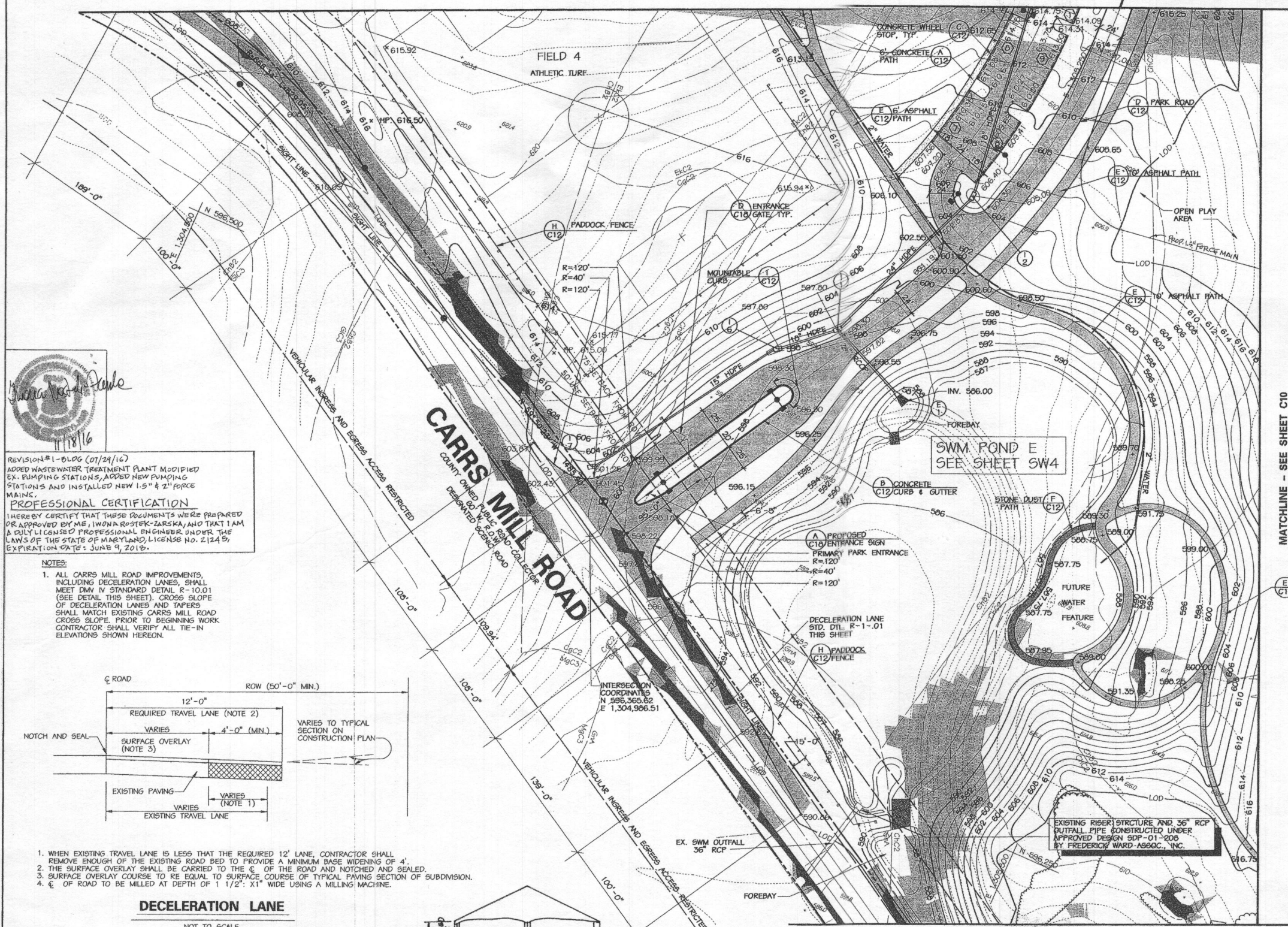
**NOTE**  
 2. THE ADDITION OF THE SHADE STRUCTURE (1,296 SF OF SHADE; 41 SF OF DISTURBANCE) IS EXEMPT FROM PREVIOUSLY STATED WETLAND MANAGEMENT. ANY WORK IN WETLANDS SHALL BE IN ACCORDANCE WITH 5,000 SF AT MINIMUM. SEE SHEET C9.

**NOTE**  
 1. ALL CARRS MILL ROAD IMPROVEMENTS, INCLUDING DECELERATION LANES, SHALL MEET DMV IV STANDARD DETAIL R-10.01 (SEE DETAIL SHEET C9). CROSS SLOPE OF DECELERATION LANES AND TAPERS SHALL MATCH EXISTING CARRS MILL ROAD CROSS SLOPE. PRIOR TO BEGINNING WORK, CONTRACTOR SHALL VERIFY ALL TIE-IN ELEVATIONS SHOWN HEREON.

The Project Manager from the Department of Recreation and Parks will stake the placement of the pathway to avoid the removal of any trees. The pathway placement will have minimal clearing and minimal impact to the trees.

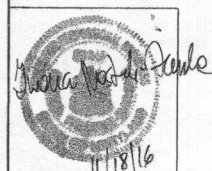
MATCHLINE - SEE SHEET C7

MATCHLINE - SEE SHEET C8

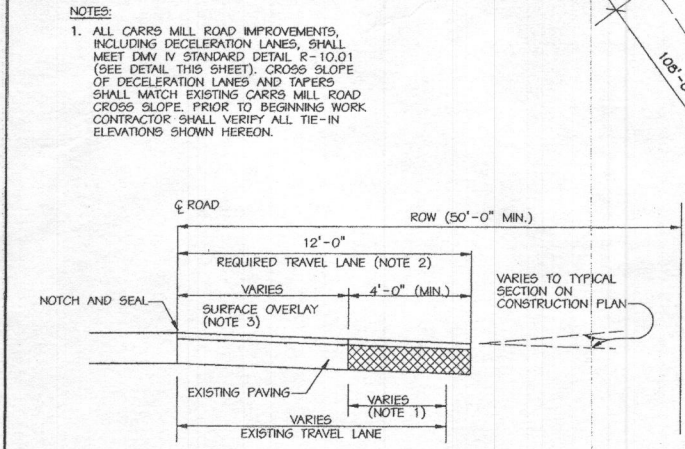


**LEGEND**

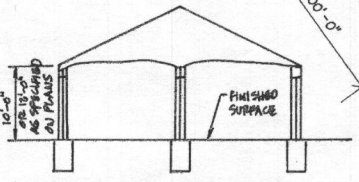
590	EX. INDEX CONTOUR
EX. 2' INTERMEDIATE CONTOUR	
SOIL LINE	
PROPERTY BOUNDARY	
EX. TREE (SIGNIFICANT SIZE OR LOCATION)	
EX. WOODS LINE	
15-24.9% SLOPES	
25%+ SLOPES	
100 YEAR FLOODPLAIN	
W	SURVEYED WETLAND
25' WETLAND BUFFER	
EX. STREAMS	
75' STREAM BUFFER	
EQUESTRIAN/HIKING TRAIL	
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PROPOSED STORM DRAIN END SECTION	
PROPOSED SEPTIC DRAIN FIELD	
PROPOSED MONITORING WELL	
PROPOSED 2" WATER LINE	
EXISTING WELL	
PROPOSED LIGHT POLE	
PROPOSED PADDOCK FENCE	



REVISION #1 - BLDG (07/29/16)  
 ADDED WASTEWATER TREATMENT PLANT MODIFIED EX. PUMPING STATIONS, ADDED NEW PUMPING STATIONS AND INSTALLED NEW 1.5" & 2" FORCE MAINS  
**PROFESSIONAL CERTIFICATION**  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, IWONA ROSTEK-ZARSKA, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21245, EXPIRATION DATE: JUNE 9, 2018.



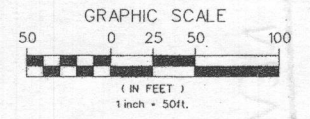
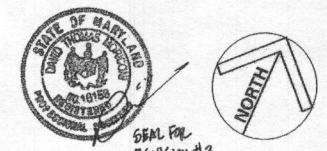
- WHEN EXISTING TRAVEL LANE IS LESS THAN THE REQUIRED 12' LANE, CONTRACTOR SHALL REMOVE ENOUGH OF THE EXISTING ROAD BED TO PROVIDE A MINIMUM BASE WIDENING OF 4'.
- THE SURFACE OVERLAY SHALL BE CARRIED TO THE CENTERLINE OF THE ROAD AND NOTCHED AND SEALED.
- SURFACE OVERLAY COURSE TO BE EQUAL TO SURFACE COURSE OF TYPICAL PAVING SECTION OF SUBDIVISION.
- CENTERLINE OF ROAD TO BE MILLED AT DEPTH OF 1 1/2" X 1" WIDE USING A MILLING MACHINE.



**NOTE**  
 The Project Manager from the Department of Recreation and Parks will stake the placement of the pathway to avoid the removal of any trees. The pathway placement will have minimal clearing and minimal impact to the trees.

**NOTE**  
 The proposed tree line corresponds to the Limit of Disturbance line. In areas of treeline disturbance the new tree line limit is shown behind the Limit of Disturbance for graphic clarity.

Professional Certification, I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.  
 License No. 16156, Expiration Date: 8-28-18



NO.	REVISIONS DESCRIPTION	DATE
1	PREPARED SHADE STRUCTURE	10/20/16

KCI TECHNOLOGIES INC.  
 ENGINEERS • PLANNERS • SURVEYORS  
 10 NORTH PARK DRIVE  
 HUNT VALLEY, MARYLAND 21089  
 PHONE: (410) 316-7800 FAX: (410) 316-7817  
 WWW.KCI.COM



**WESTERN REGIONAL PARK**  
 HOWARD COUNTY DEPARTMENT OF RECREATION AND PARKS  
 COLUMBIA, MARYLAND 21046-1677  
 (410) 313-4640

**SITE PLAN AREA J**

SCALE:	1" = 50'
DATE:	06-12-02
KCI JOB NO.:	01-00057
CAPITAL PROJECT NO.:	N-3932
PERMIT ISSUE:	
CONSTRUCTION ISSUE:	

**C9**  
 SHEET NO.: 12 OF 113  
 50P-02-64

MARYLAND COORDINATE SYSTEM  
 HORIZONTAL NAD 83-91  
 VERTICAL NAVD 29