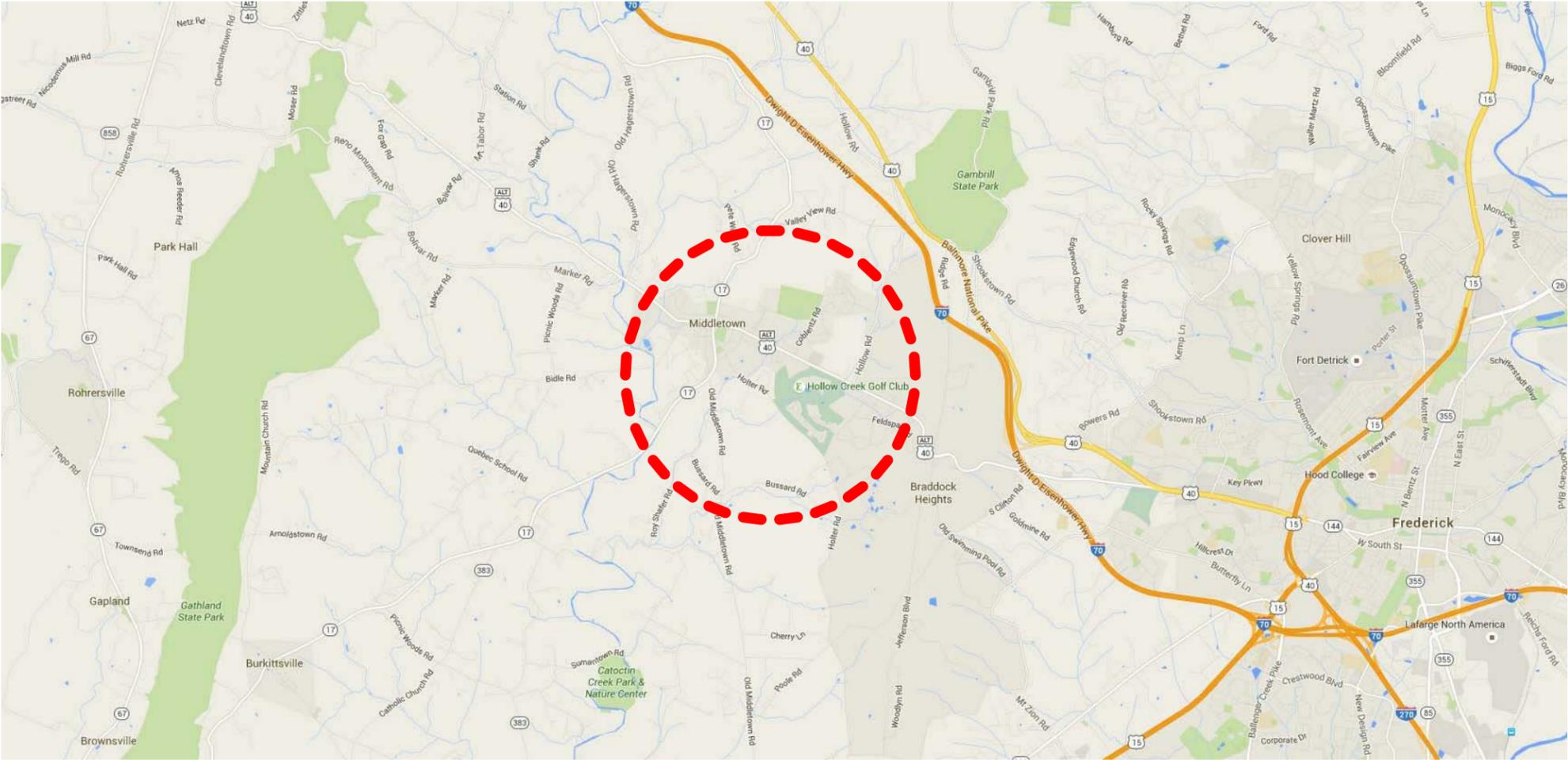
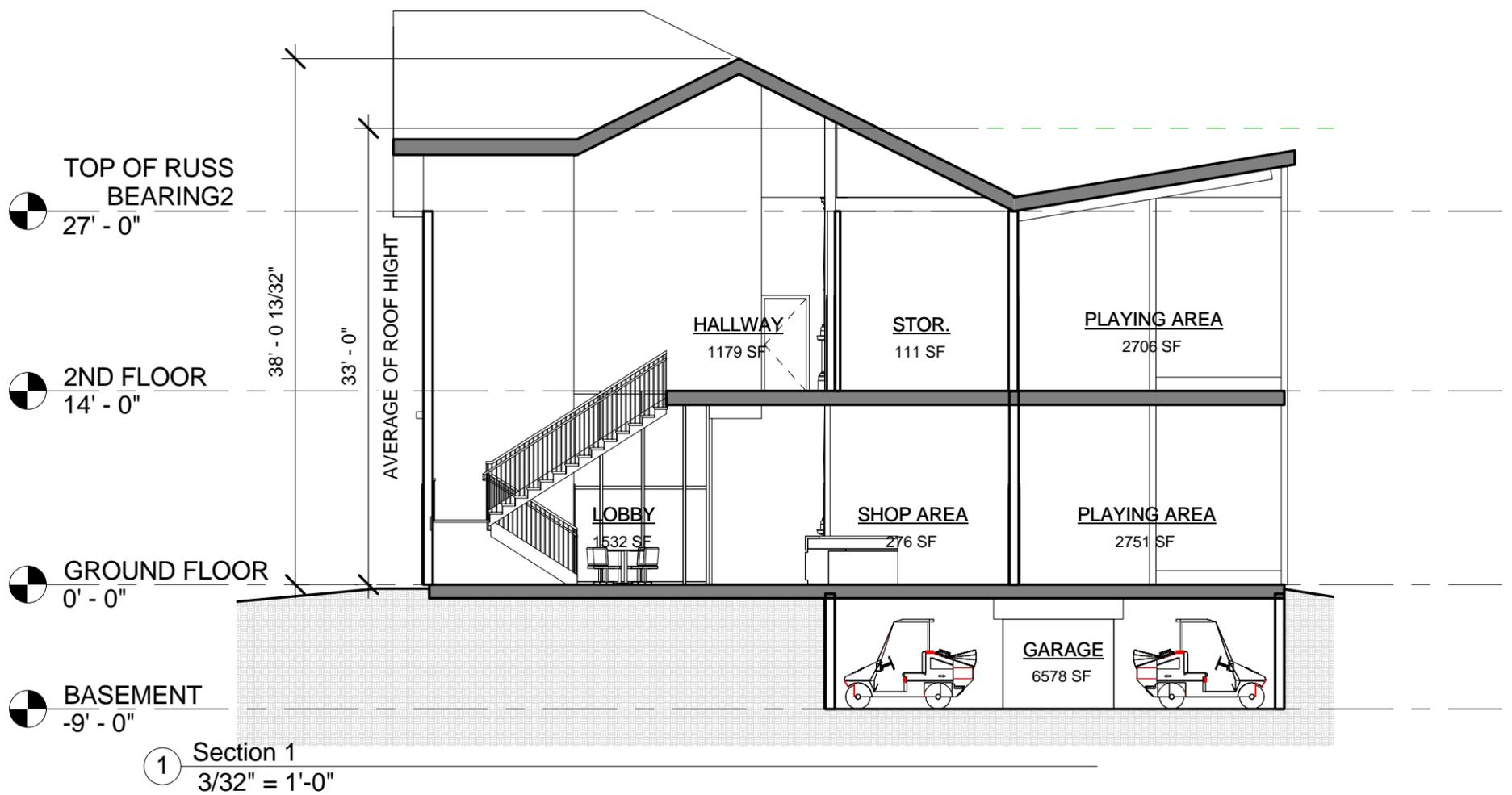


RICHLAND DRIVING RANGE SCHEMATIC DESIGN

50 Glenbrook Drive, Middletown, MD 21769



LOCATION MAP



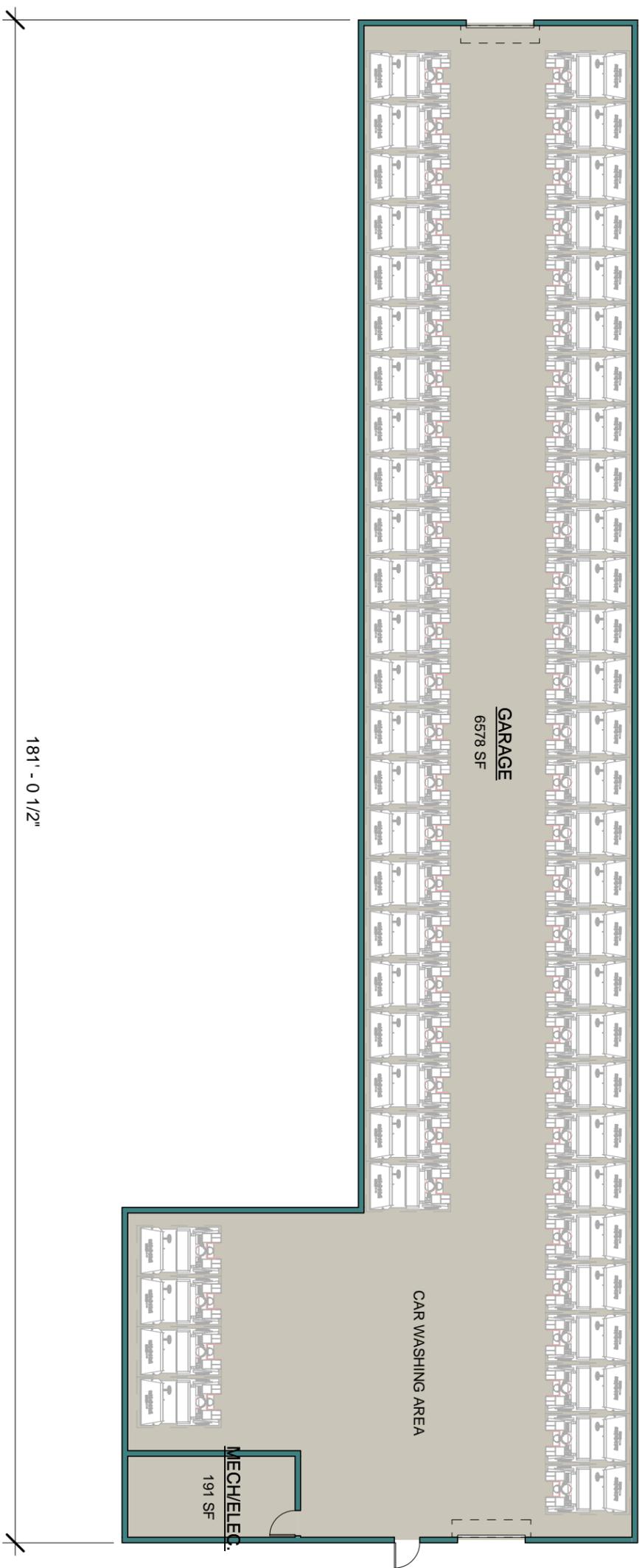
BUILDING AREA TABULATION
 GROSS BUILDING AREA: 15,200 GSF
 BUILDING HEIGHT: 2 STORY

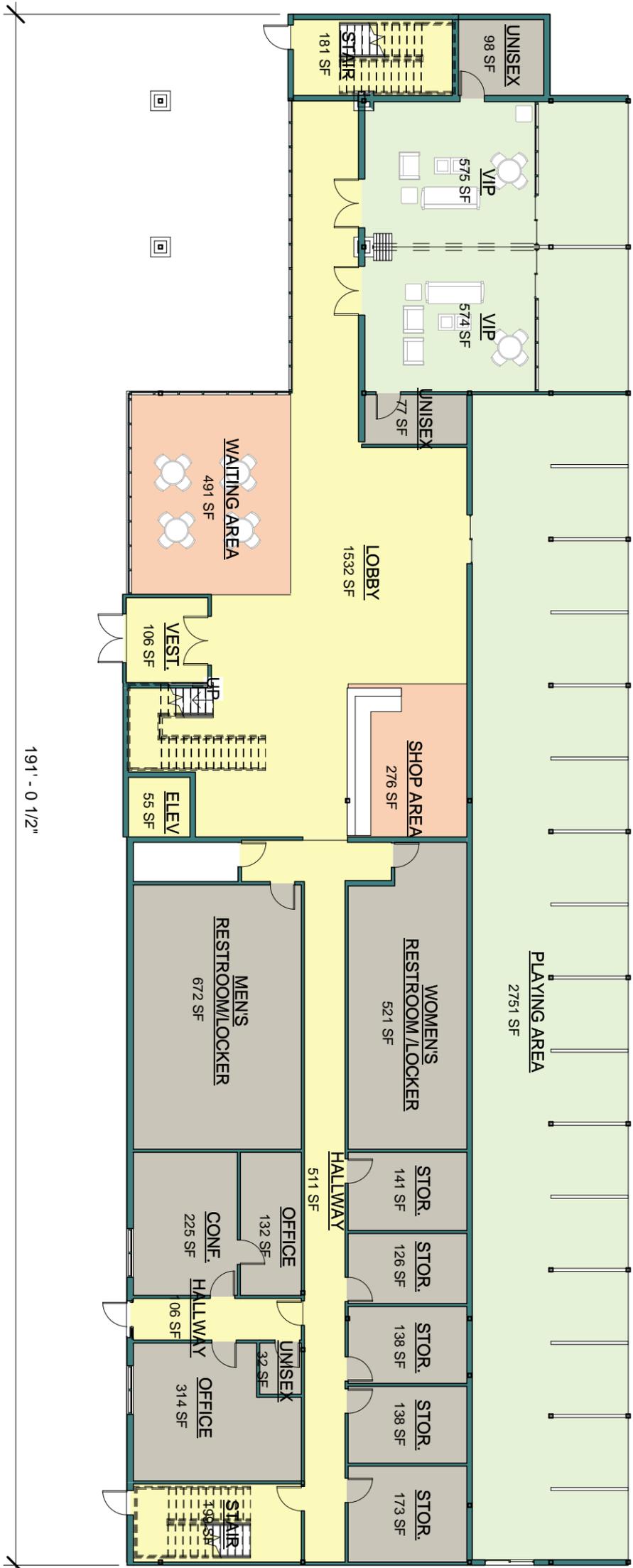
JIAN JUN SUN
 ARCH STUDIO
 9814 BRIGHTLEA DRIVE
 VIENNA, VA 22181

PROJECT: RICHLAND DRIVING RANGE
 DRAWING TITLE: COVER SHEET
 DATE: 05/02/2016

PROJECT NO. 2015-006
 SCALE: 3/32" = 1'-0"
 DWG. NO.: GOO

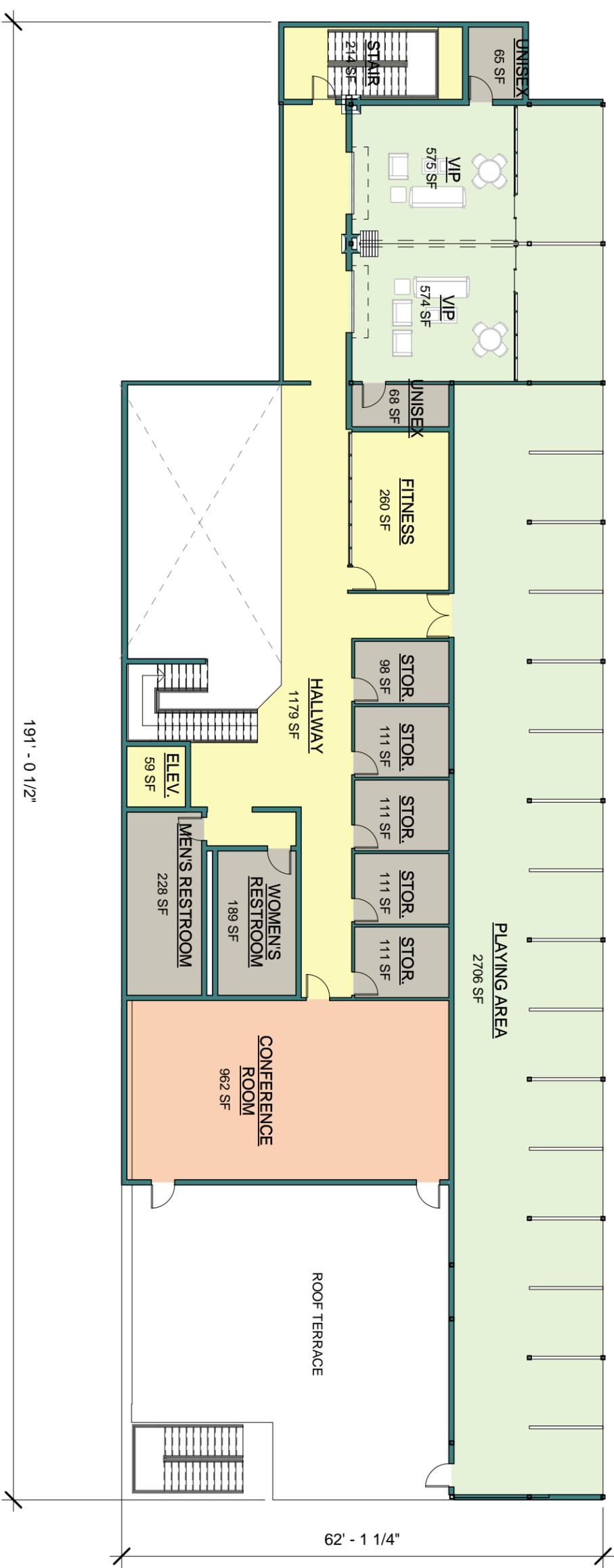
1 BASEMENT
1/16" = 1'-0"





1 GROUND FLOOR PLAN
 1/16" = 1'-0"

1 TRUSS BEARING
 1/16" = 1'-0"





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SEAL

PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM ONLY DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17091 EXPIRATION DATE: 09/27/2016.

S + L Architectural

9814 BRIGHTLEA DRIVE
VIENNA, VA 22181

PROJECT TITLE:
RICHLAND DRIVING RANGE

50 Glenbrook Drive, Middletown, MD 21769

PROJECT No: 2015-006

DRAWING TITLE:
PROPOSED SITE PLAN

SCALE: 1" = 100'-0"

G-04

SCHEMATIC DESIGN

05/02/2016

TOWN OF MIDDLE TOWN, MARYLAND
APPROVED
FOR CONSTRUCTION

DATE _____ APPROVING AUTHORITY _____

FREDERICK COUNTY DIVISION OF PUBLIC WORKS
(APPROVAL FOR SWM ONLY)

APPROVED: PUBLIC WORKS DIRECTOR _____ DATE _____

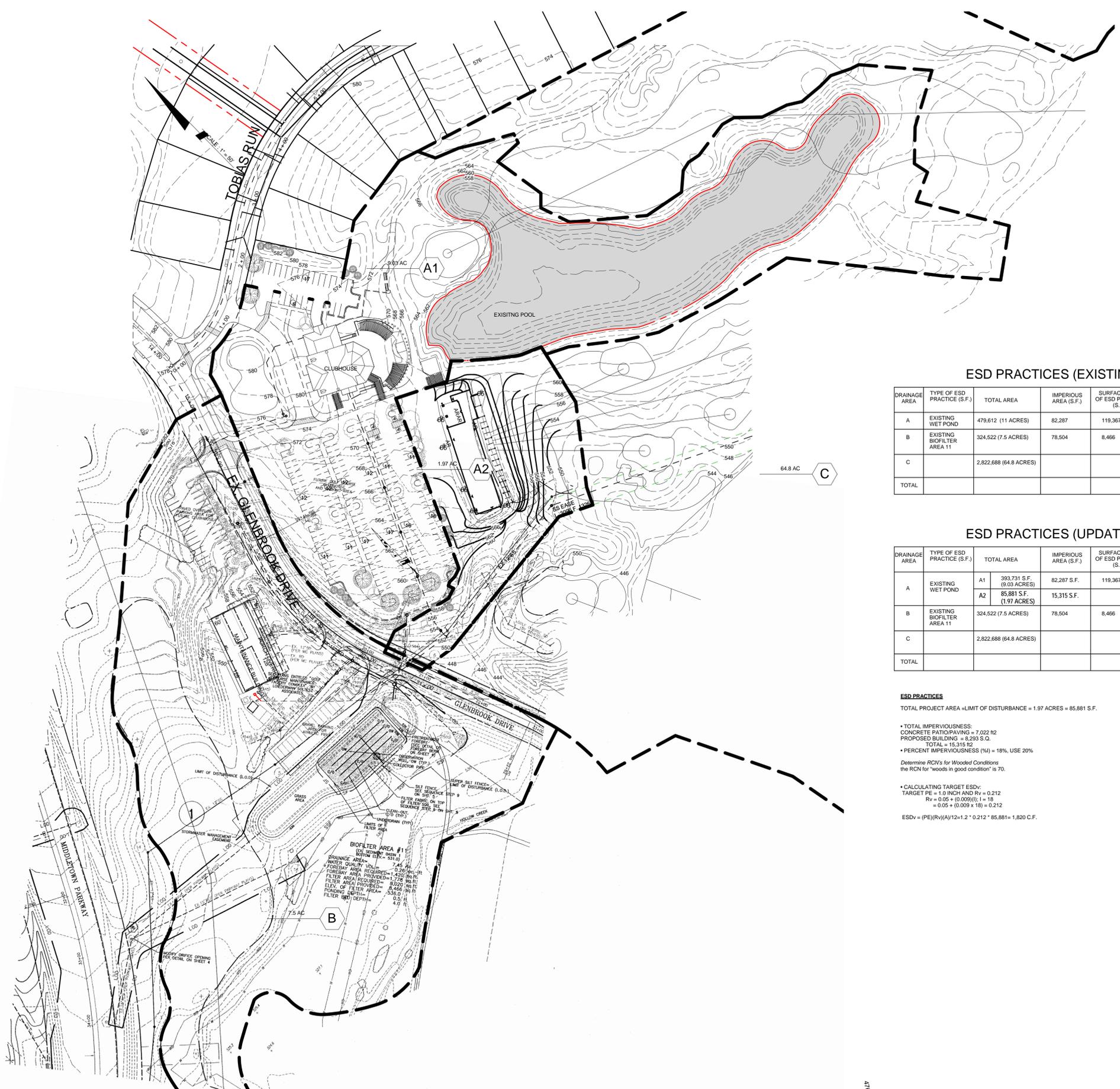
APPROVED: DEVELOPMENT REVIEW CHIEF _____ DATE _____

APPROVED: STORMWATER MANAGEMENT _____ DATE _____

APPROVAL IS VALID FOR TWO (2) YEARS (ONE (1) YEAR IF PUBLIC WATER OR SEWER IS INVOLVED) AFTER LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE SAID DATE TO BE CONSIDERED ACTIVE OTHERWISE, RESUBMITTAL OF PLANS MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. REVIEW FEES NECESSARY FOR REAPPROVAL SHALL ACCOMPANY RESUBMITTAL. FEES CANNOT BE WAIVED.

| REV# | DATE | REVISION DESCRIPTION | ENGINEER/ CONSULTANT DATE & INITIAL | DEV. REVIEW DATE & INITIAL |
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ESD PRACTICES (EXISTING)

| DRAINAGE AREA | TYPE OF ESD PRACTICE (S.F.) | TOTAL AREA | IMPERVIOUS AREA (S.F.) | SURFACE AREA OF ESD PRACTICE (S.F.) | TARGET PE (IN) | ACTUAL PE (IN) | TARGET ESDv (C.F.) | ACTUAL ESDv (C.F.) | COMMENTS |
|---------------|-----------------------------|------------------------|------------------------|-------------------------------------|----------------|----------------|--------------------|--------------------------|--------------------------------------------|
| A | EXISTING WET POND | 479,612 (11 ACRES) | 82,287 | 119,367 | 1.2 | | 10,168 | | IRRIGATION POND WITH 119,367 S.F. AREA |
| B | EXISTING BIOFILTER AREA 11 | 324,522 (7.5 ACRES) | 78,504 | 8,466 | 1.2 | | 6,880 | 17,778 | |
| C | | 2,822,688 (64.8 ACRES) | | | | | | | EXISTING GOLF COURSE AT SOUTH SIDE OF SITE |
| TOTAL | | | | | | | 17,048 | 17,778 & IRRIGATION POND | |

ESD PRACTICES (UPDATED)

| DRAINAGE AREA | TYPE OF ESD PRACTICE (S.F.) | TOTAL AREA | IMPERVIOUS AREA (S.F.) | SURFACE AREA OF ESD PRACTICE (S.F.) | TARGET PE (IN) | ACTUAL PE (IN) | TARGET ESDv (C.F.) | ACTUAL ESDv (C.F.) | COMMENTS |
|---------------|-----------------------------|------------------------|---------------------------|-------------------------------------|----------------|----------------|--------------------|--------------------------|--------------------------------------------|
| A | EXISTING WET POND | A1 | 392,731 S.F. (9.03 ACRES) | 82,287 S.F. | 1.2 | | 8,347 | | IRRIGATION POND WITH 119,367 S.F. AREA |
| | | A2 | 85,881 S.F. (1.97 ACRES) | 15,315 S.F. | 1.2 | | 1,820 | | |
| B | EXISTING BIOFILTER AREA 11 | 324,522 (7.5 ACRES) | 78,504 | 8,466 | 1.2 | | 6,880 | 17,778 | |
| C | | 2,822,688 (64.8 ACRES) | | | | | | | EXISTING GOLF COURSE AT SOUTH SIDE OF SITE |
| TOTAL | | | | | | | 17,047 | 17,778 & IRRIGATION POND | |

ESD PRACTICES

TOTAL PROJECT AREA = LIMIT OF DISTURBANCE = 1.97 ACRES = 85,881 S.F.

- TOTAL IMPERVIOUSNESS:
CONCRETE PATIO/PAVING = 7,022 h2
PROPOSED BUILDING = 8,293 S.Q.
TOTAL = 15,315 h2
- PERCENT IMPERVIOUSNESS (%) = 18%, USE 20%

Determine RCN's for Wooded Conditions
the RCN for "woods in good condition" is 70.

• CALCULATING TARGET ESDv:
TARGET PE = 1.0 INCH AND Rv = 0.212
Rv = 0.05 + (0.009)(1) = 18
= 0.05 + (0.009 x 18) = 0.212

ESDv = (PE)(Rv)(A)/12 = 1.2 * 0.212 * 85,881 = 1,820 C.F.

TOWN OF MIDDLE TOWN, MARYLAND
APPROVED
FOR CONSTRUCTION
DATE _____ APPROVING AUTHORITY _____

FREDERICK COUNTY DIVISION OF PUBLIC WORKS
(APPROVAL FOR SWM ONLY)
APPROVED: PUBLIC WORKS DIRECTOR _____ DATE _____
APPROVED: DEVELOPMENT REVIEW CHIEF _____ DATE _____
APPROVED: STORMWATER MANAGEMENT _____ DATE _____

APPROVAL IS VALID FOR TWO (2) YEARS (ONE (1) YEAR IF PUBLIC WATER OR SEWER IS INVOLVED) AFTER LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE SAID DATE TO BE CONSIDERED ACTIVE OTHERWISE, RESUBMITTAL OF PLANS MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. REVIEW FEES NECESSARY FOR REAPPROVAL SHALL ACCOMPANY RESUBMITTAL. FEES CANNOT BE WAIVED.

| REV# | DATE | REVISION DESCRIPTION | ENGINEER/CONSULTANT DATE & INITIAL | DEV. REVIEW DATE & INITIAL |
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PROFESSIONAL CERTIFICATION. I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM ONLY DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17091 EXPIRATION DATE: 09/27/2016.

S + L Architectural
9814 BRIGHTLEA DRIVE
VIENNA, VA 22181

PROJECT TITLE:
RICHLAND GOLF CLUB DRIVING RANGE

50 Glenbrook Drive, Middletown, MD21769

PROJECT No: 2015-006.00

DRAWING TITLE:
STORMWATER MANAGEMENT DRAINAGE PLAN

SCALE: As indicated

G-03

PERMIT SET

04/18/2016

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S + L Architectural
9814 BRIGHTLEA DRIVE
VIENNA, VA 22181

PROJECT TITLE:
**RICHLAND GOLF CLUB
DRIVING RANGE**

50 Glenbrook Drive, Middletown, MD21769

PROJECT No: 2015-006.00

DRAWING TITLE:
IMPROVEMENT PLAN

SCALE: 1" = 30'-0"

G-02

PERMIT SET

04/18/2016

| TOWN OF MIDDLE TOWN, MARYLAND | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------|------------------------------------|----------------------------|
| APPROVED FOR CONSTRUCTION | | | | |
| DATE | | APPROVING AUTHORITY | | |
| FREDERICK COUNTY DIVISION OF PUBLIC WORKS (APPROVAL FOR SWM ONLY) | | | | |
| APPROVED: | PUBLIC WORKS DIRECTOR | | | DATE |
| APPROVED: | DEVELOPMENT REVIEW CHIEF | | | DATE |
| APPROVED: | STORMWATER MANAGEMENT | | | DATE |
| APPROVAL IS VALID FOR TWO (2) YEARS (ONE (1) YEAR IF PUBLIC WATER OR SEWER IS INVOLVED) AFTER LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE SAID DATE TO BE CONSIDERED ACTIVE OTHERWISE, RESUBMITTAL OF PLANS MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. REVIEW FEES NECESSARY FOR REAPPROVAL SHALL ACCOMPANY RESUBMITTAL. FEES CANNOT BE WAIVED. | | | | |
| REV# | DATE | REVISION DESCRIPTION | ENGINEER/CONSULTANT DATE & INITIAL | DEV. REVIEW DATE & INITIAL |
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