

THOMAS MEMORIAL LIBRARY

CAPE ELIZABETH, MAINE

MAY 30, 2014



LOCUS MAP
NOT TO SCALE

DRAWING LIST

| | |
|------|---|
| B1.0 | BOUNDARY SURVEY |
| C1.1 | EXISTING SITE PLAN |
| C1.2 | PROPOSED GRADING & DRAINAGE PLAN |
| C2.0 | SITE DETAILS - SHEET 1 |
| C2.1 | SITE DETAILS - SHEET 2 |
| C3.0 | EROSION CONTROL DETAILS |
| L1.1 | LANDSCAPE PLAN |
| L1.2 | FAMILY DISCOVERY SPACE ENLARGEMENT PLAN |
| L2.1 | LANDSCAPE DETAILS |
| L2.2 | LANDSCAPE DETAILS |
| D1.0 | DEMOLITION PLANS |
| A1.0 | LOWER LEVEL FLOOR PLAN |
| A1.1 | UPPER LEVEL FLOOR PLAN |
| A1.2 | ROOF PLAN |
| A2.1 | EXTERIOR ELEVATIONS - EAST & SOUTH |
| A2.2 | EXTERIOR ELEVATIONS - NORTH & WEST |
| E0.1 | ELECTRICAL SITE |

OWNER / APPLICANT:

TOWN OF CAPE ELIZABETH
6 SCOTT DYER ROAD
CAPE ELIZABETH, ME 04107

CONSULTANTS:

REED & CO. ARCHITECTURE
46 CUMBERLAND AVENUE
PORTLAND, ME 04101

CASCO BAY ENGINEERING
424 FORE STREET
PORTLAND, ME 04101

LAND DESIGN SOLUTIONS
160 LONGWOODS ROAD
CUMBERLAND, ME 04021

BARTLETT DESIGN
942 WASHINGTON STREET
BATH, ME 04530

ZACHAU CONSTRUCTION INC.
1185 US ROUTE ONE
FREEPORT, ME 04032

PRELIMINARY
NOT FOR CONSTRUCTION

ARCHITECT:
REED & CO. ARCHITECTURE
46 CUMBERLAND AVE
PORTLAND, ME 04101
207 871 5878

CIVIL & STRUCTURAL ENGINEER:
CASCO BAY ENGINEERING
424 FORE ST #3A
PORTLAND, ME 04101
207 842 2800

LANDSCAPE ARCHITECT:
LAND DESIGN SOLUTIONS
P.O. BOX 316
160 LONGWOODS ROAD
CUMBERLAND, ME 04021
207 939 1717

MECHANICAL ENGINEERS:
HOLBROOK ENGINEERING
52 HEATH RD
SACO, ME 04072
207 283 9127

ELECTRICAL ENGINEER:
BARTLETT DESIGN
942 WASHINGTON STREET
BATH, MAINE 04530
207 443 5447

INTERIOR DESIGNER:
COLE DESIGN
30 DRAKE LANE
KITTERY, ME 03904
207 653 0083

CONSTRUCTION MANAGER:
ZACHAU CONSTRUCTION INC.
1185 US ROUTE ONE
FREEPORT, ME 04032
207 865 9925

OWNER:
TOWN OF CAPE ELIZABETH
320 OCEAN HOUSE ROAD
CAPE ELIZABETH
MAINE, 04107

EXPANSION & RENOVATIONS TO
THOMAS MEMORIAL LIBRARY

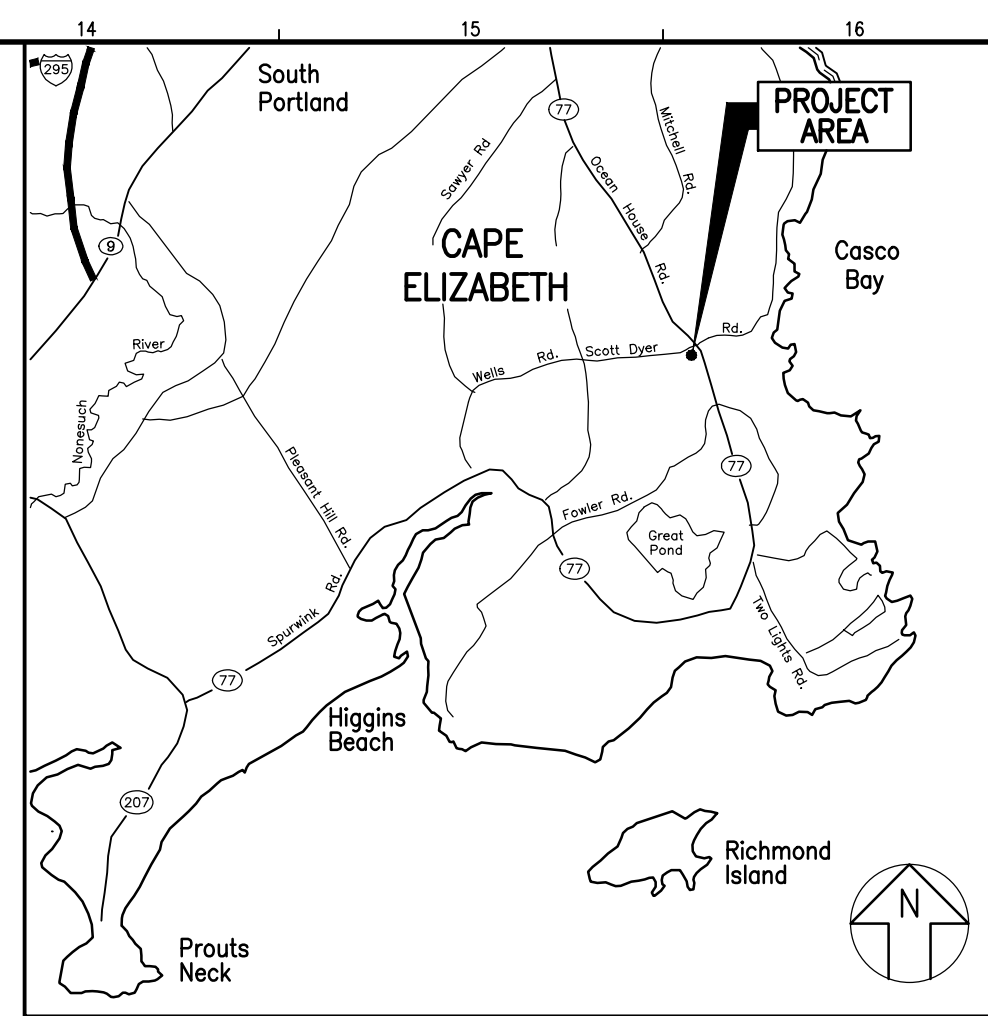
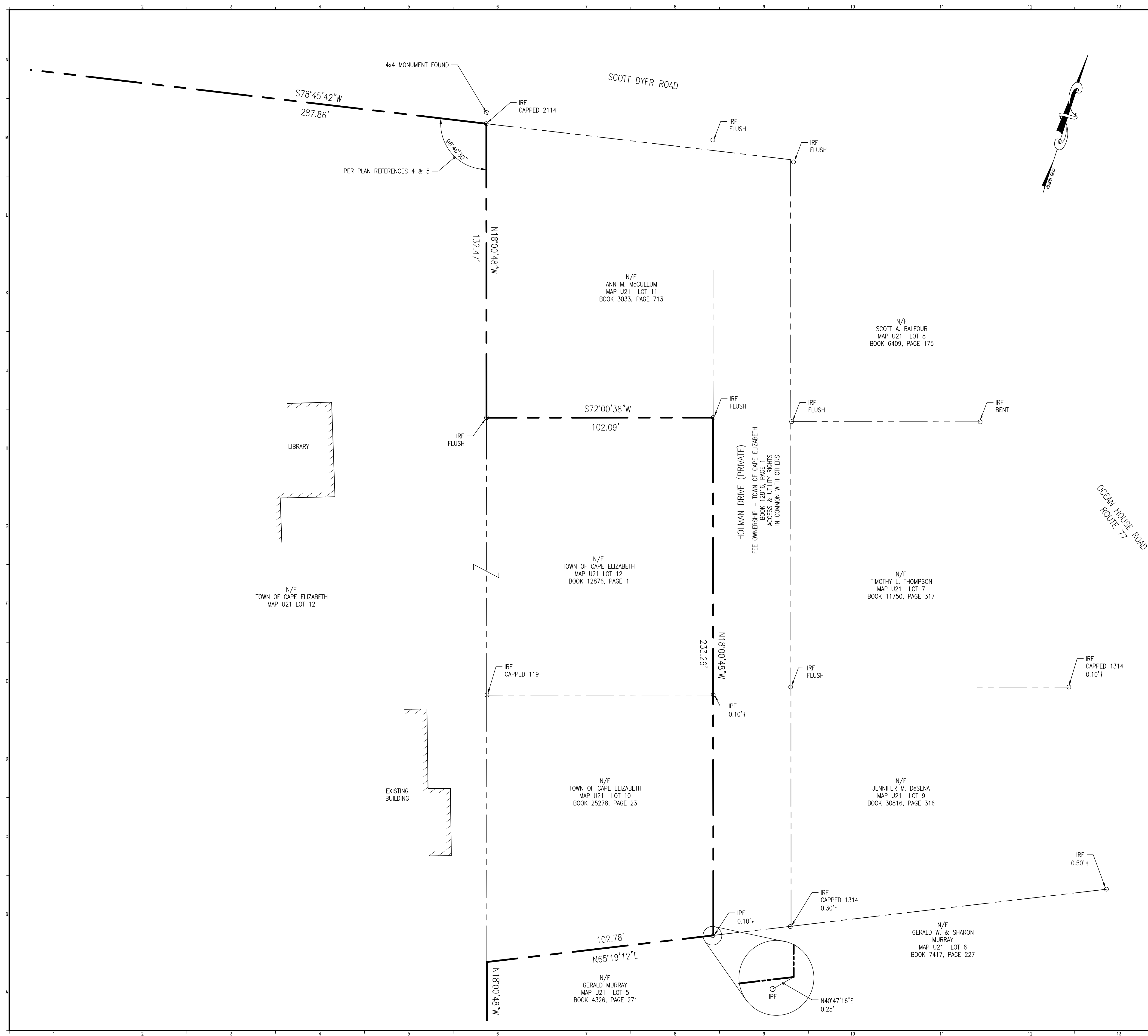
6 SCOTT DYER RD
CAPE ELIZABETH
MAINE, 04107

Title: COVER SHEET

Sheet No.

C1.0

Scale:
Date:
Revised:



LOCATION MAP

GENERAL NOTES:

1. RECORD OWNER OF PROPERTY:
TOWN OF CAPE ELIZABETH SHOWN ON TAX MAP U-21, LOTS
10 AND 12.
2. BEARINGS ARE BASED ON MAINE STATE GRID - WEST ZONE
(NAD)83.
3. PROPERTY IS LOCATED IN THE TOWN CENTER DISTRICT (TC).
ZONING IS SUBJECT TO REVIEW BY THE MUNICIPALITY.
4. PER CLIENT REQUEST, OTHER THAN THE BUILDING CORNERS
SHOWN, IMPROVEMENTS TO THE PROPERTY WERE NOT
SURVEYED OR PLOTTED HEREON.

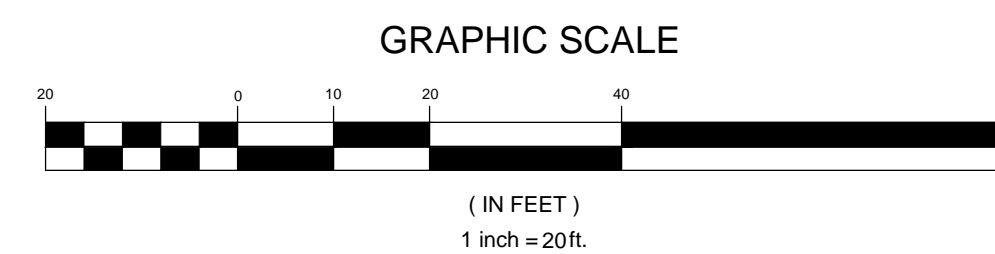
PLAN REFERENCES:



1. PLAN ENTITLED "HENNESSEY PROPERTY OCEAN HOUSE ROAD CAPE ELIZABETH, MAINE, AMENDED UTILITIES AND GRADING PLAN" BY LAND USE CONSULTANTS, DATED JAN. 24 1989.
2. PLAN ENTITLED "HENNESSEY PROPERTY OCEAN HOUSE ROAD CAPE ELIZABETH, MAINE, AMENDED SITE, LAYOUT AND PLANTING PLAN" BY LAND USE CONSULTANTS, DATED MARCH 25, 1988.
3. PLAN ENTITLED "EXPANSION OF THE THOMAS MEMORIAL LIBRARY CAPE ELIZABETH, MAINE, SITE PLAN" BY PORTLAND DESIGN TEAM, DATED NOV. 15, 1984.
4. PLAN ENTITLED "PLAN FOR CAPE ELIZABETH SCHOOL DEPARTMENT STANDARD BOUNDARY SURVEY" ROUTE 77, CAPE ELIZABETH, COUNTY OF CUMBERLAND, ME. PREPARED BY LEWIS AND WASINA INC., WINDHAM, ME. DATED 2-10-94.
5. PLAN ENTITLED "PLAN OF PROPERTY IN CAPE ELIZABETH, ME." MADE FOR CAPE ELIZABETH SCHOOL DEPARTMENT, BY H.I. AND E.C. JORDAN CO.-SURVEYORS-PORTLAND, ME. DATED JAN. 19, 1959.
6. PLAN ENTITLED "PLAN OF FRED MURRAY PROPERTY IN CAPE ELIZABETH, ME." BY A.L. PHINNEY & CO.-ENGINEERS, DATED MARCH 1937. RECORDED IN CUMBERLAND COUNTY REGISTRY OF DEEDS IN PLAN BOOK 23, PAGE 43.
7. PLAN ENTITLED "PLAN OF LAND FORMERLY OF THE ESTATE OF GEORGE HANNAFORD ESQR." CAPE ELIZABETH, ME. COUNTY OF CUMBERLAND, DATED APRIL 7, 1880 BY CAPE ELIZABETH STAPLES-CIVIL ENGINEER AND SURVEY. RECORDED IN PLAN BOOK 4, PAGE 30.
8. PLAN ENTITLED "STANDARD BOUNDARY SURVEY", WINSLOW H. PILLSBURY II, 7 HOLMAN ROAD, CAPE ELIZABETH BY OEST ASSOCIATES, INC. DATED JUNE 27, 2007.

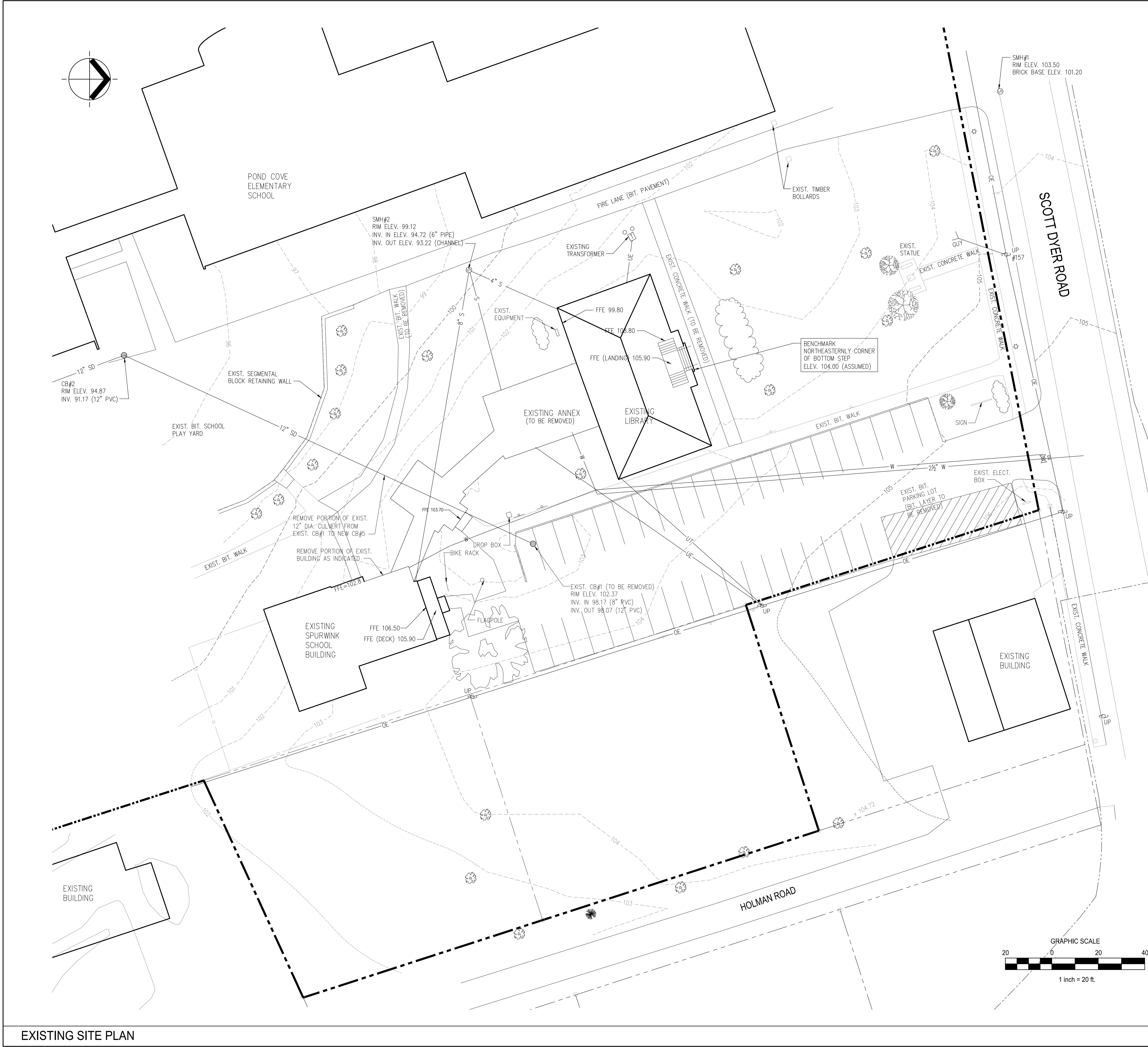
CERTIFICATION:

I, HEREBY CERTIFY TO TOWN OF CAPE ELIZABETH, ITS SUCCESSORS AND ASSIGNS, THAT THIS MAP OR PLAT IS BASED ON AN ACTUAL GROUND SURVEY BY ME OR UNDER MY DIRECT SUPERVISION DATED APRIL 2014.

DANNY R. BOLENDER, PROFESSIONAL LAND SURVEYOR NO. 2244 DATE



|  | | 511 Congress St., Suite 200, Portland ME 04101 P: (207) 775-5401 www.amec.com | |
|---|----------|--|------|
| | | | |
| TO CLIENT 4-21-14 | | PROJECT: THOMAS MEMORIAL LIBRARY TOWN OF CAPE ELIZABETH 6 SCOTT DYER ROAD, CAPE ELIZABETH, MAINE | |
| CURRENT ISSUE STATUS: | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| REV | REVISION | ISSUE DESCRIPTION | DATE |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| PROJECT NUMBER: 3618148373 PROJECT MANAGER: J. WATTS A/E OF RECORD: D. BOLENDER DRAWN BY: D. BLANCHARD CAD FILE: C-101 SCALE: AS NOTED | | | |
| GRAPHIC SCALE: | | | |
|  | | | |
| TITLE: | | | |
| BOUNDARY SURVEY 6 SCOTT DYER ROAD CAPE ELIZABETH, MAINE | | | |
| DRAWING NO: | | | |
| B1.0 | | | |
| SHEET: | 1 | OF | 1 |



GENERAL NOTES

- 1) TOPOGRAPHY INFORMATION TAKEN FROM HORIZONS ENGINEERING DATED FEBRUARY 21, 2014. PARTIAL BOUNDARY SURVEY INFORMATION TAKEN FROM AMEC DATED APRIL 21, 2014.
- 2) THE CONTRACT WORK TO BE PERFORMED ON THIS PROJECT CONSISTS OF FURNISHING ALL REQUIRED LABOR, MATERIALS, EQUIPMENT, IMPLEMENTS, PARTS AND SUPPLIES NECESSARY FOR OR APPURTENANT TO, THE INSTALLATION OF CONSTRUCTION IMPROVEMENTS IN ACCORDANCE WITH THESE DRAWINGS AND AS FURTHER ELABORATED IN ANY ACCOMPANYING SPECIFICATIONS.
- 3) THE WORK SHALL BE PERFORMED IN A THOROUGH WORKMANLIKE MANNER. ALL CONTRACTORS TO CONFORM TO ALL APPLICABLE OSHA STANDARDS. ANY REFERENCE TO A SPECIFICATION OR DESIGNATION OF THE AMERICAN SOCIETY FOR TESTING MATERIALS, FEDERAL SPECIFICATIONS, OR OTHER STANDARDS, CODES OR ORDERS, REFERS TO THE MOST RECENT OR LATEST SPECIFICATION OR DESIGNATION.
- 4) ALL CONSTRUCTION WITHIN THE TOWN RIGHT OF WAY SHALL COMPLY WITH TOWN PUBLIC WORKS STANDARDS. ALL CONSTRUCTION WITHIN A STATE RIGHT OF WAY SHALL COMPLY WITH MAINE D.O.T. STANDARDS. ALL UTILITY CONSTRUCTION SHALL CONFORM TO RESPECTIVE UTILITY STANDARDS.
- 5) THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED BY THE TOWN PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE TOWN REQUIRED TO PERFORM ALL THE WORK (STREET OPENINGS, BUILDING PERMIT, ETC.). THE CONTRACTOR SHALL POST ALL BONDS AS REQUIRED, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
- 6) PRIOR TO CONSTRUCTION, THE SITE CONTRACTOR IS TO INFORM ALL AREA UTILITY COMPANIES AND GOVERNMENTAL AGENCIES OF PLANNED CONSTRUCTION. THE SITE CONTRACTOR IS REQUIRED TO CONTACT DIG-SAFE (1-800-225-4977) AT LEAST 3 BUSINESS DAYS PRIOR TO ANY EXCAVATION TO VERIFY ALL UNDERGROUND AND OVERHEAD UTILITY LOCATIONS.
- 7) THE PROJECT DRAWINGS ARE GENERALLY SCHEMATIC AND INDICATE THE POSSIBLE LOCATION OF EXISTING UNDERGROUND UTILITIES. INFORMATION ON EXISTING UTILITIES HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY MAPS, MUNICIPAL RECORD MAPS, AND FIELD SURVEY. IT IS NOT GUARANTEED TO BE CORRECT OR COMPLETE. UTILITIES ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING SERVICES WHEN THOSE SERVICES ARE TO BE LEFT IN PLACE. THE CONTRACTOR IS TO PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING THE EXCAVATING AND BACKFILLING OPERATIONS. SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED UTILITIES BE FOUND, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH THE WORK IN THIS AREA.
- 8) OSHA REGULATIONS MAKE IT UNLAWFUL TO OPERATE CRANES, BOOMS, HOISTS, ETC. WITHIN TEN FEET (10') OF ANY ELECTRIC LINE. IF THE CONTRACTOR MUST OPERATE CLOSER THAN 10', THE CONTRACTOR MUST CONTACT THE POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS BEFORE ENCRDACHING ON THIS REQUIREMENT.
- 9) IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLANS, APPROVALS, AND DETAILS FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL VERIFY ALL THE SITE CONDITIONS IN THE FIELD AND CONTACT THE DESIGN ENGINEER IF THERE ARE ANY DISCREPANCIES REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS SO THAT AN APPROPRIATE REVISION CAN BE MADE PRIOR TO BIDDING.
- 10) THE CONTRACTOR SHALL REFERENCE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS AND CONSTRUCTION DETAILS OF THE BUILDING ARE. IF THE CONTRACTOR MUST OPERATE CLOSER THAN 10', THE CONTRACTOR MUST CONTACT THE POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS BEFORE ENCRDACHING ON THIS REQUIREMENT.
- 11) ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED IN WRITING BY THE OWNER, DESIGN ENGINEER, AND APPROPRIATE GOVERNMENTAL AGENCY PRIOR TO INSTALLATION.
- 12) THE CONTRACTOR SHALL RESTORE ALL UTILITY STRUCTURES, PIPE, UTILITIES, PAVEMENT, CURBS, SIDEWALKS, AND LANDSCAPED AREAS DISTURBED BY CONSTRUCTION TO AS GOOD AS BEFORE BEING DISTURBED AS DETERMINED BY CITY CODE ENFORCEMENT OFFICIALS. ANY DAMAGES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 13) ALL EXCAVATION SHALL BE BACKFILLED TO EXISTING GRADE BEFORE THE END OF THE DAY OR ADEQUATELY PROTECTED FROM DANGER TO HUMANS AND ANIMALS.
- 14) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE OWNER WILL PROVIDE A BENCH MARK AT THE CONSTRUCTION SITE FROM WHICH TO BEGIN LAYOUT.
- 15) THE CONTRACTOR SHALL GUARANTEE THE FAITHFUL REMEDY OF ANY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP AND GUARANTEE PAYMENT FOR ANY RESULTING DAMAGES WHICH SHALL APPEAR WITHIN A PERIOD OF ONE (1) YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT.
- 16) THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER AT THE END OF CONSTRUCTION.
- 17) A PRE-CONSTRUCTION CONFERENCE WITH THE OWNER, DESIGNERS, TOWN OFFICIALS AND CONTRACTOR SHALL BE REQUIRED BEFORE ANY CONSTRUCTION OCCURS ON THE PROJECT. DURING CONSTRUCTION THERE SHALL BE WEEKLY PROGRESS MEETINGS WITH THE OWNER (ON SITE OR TELECONFERENCE) UNTIL PROJECT COMPLETION.
- 18) PROPER IMPLEMENTATION AND MAINTENANCE OF EROSION CONTROL MEASURES ARE OF PARAMOUNT IMPORTANCE FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTIONS OF THE OWNER, THEIR REPRESENTATIVES, OR STATE/LOCAL/FEDERAL INSPECTORS AT NO ADDITIONAL COST TO THE OWNER.

| LEGEND | | | |
|---------------------------------|---------------------------------|----------------|-----|
| EXISTING | DESCRIPTION | PROPOSED | |
| □ | GRANITE MONUMENT - 3" OFFSET | ■ | IPS |
| ○ PF | IRON PIN FOUND/SET | ○ IPS | |
| ○ RF | IRON ROD FOUND | | |
| ☆ CRF | CAPIED IRON ROD FOUND | | |
| ⊙ DHF | DRILL HOLE FOUND | | |
| □ MON | GRANITE MONUMENT FOUND | | |
| --- | STREET LINE | --- | |
| --- | LOT SETBACKS | --- | |
| --- | PROPERTY LINE | --- | |
| --- | ABUTTOR LINE | --- | |
| --- | "NO CUT" BUFFER | --- | |
| --- | WETLANDS | --- | |
| --- | EDGE OF ROAD/TRAVELLED WAY | --- | |
| ⊙ TP 69 | SOIL TEST PIT | ⊙ TP 69 | |
| --- | CONTOUR | --- | |
| 327x60 x 327.6 | SPOT GRADE | 327x60 x 327.6 | |
| ⊙ GAS | GAS SHUT-OFF | | |
| UP | UTILITY POLE | UP | |
| OE | OVERHEAD ELECTRICAL | OE | |
| UE&T | UNDERGROUND ELECTRICAL | UE&T | |
| □ | ELECTRICAL TRANSFORMER | □ | |
| 8"-W 8"-W | FIRE HYDRANT | 8"-W 8"-W | |
| 12" S- | WATER LINE | 12" S- | |
| 12" S- | WATER GATE | 12" S- | |
| SEWER LINE | SEWER LINE | | |
| SMH-1 | SEWER MANHOLE | SMH-1 | |
| DWH-1 | DRAINAGE MANHOLE | DWH-1 | |
| CB-1 | CATCH BASIN | CB-1 | |
| UD/SD | UNDERDRAIN/STORMDRAIN | UD/SD | |
| UD | UNDERDRAIN | UD | |
| SF | SILT FENCE | SF | |
| TEMP. STONE CHECK DAM | TEMP. STONE CHECK DAM | | |
| GRAVING AND FLOW DIRECTION | GRAVING AND FLOW DIRECTION | | |
| HAY BALES | HAY BALES | | |
| EROSION CONTROL BLANKET | EROSION CONTROL BLANKET | | |
| STORMWATER BOUNDARY | STORMWATER BOUNDARY | | |
| STORMWATER FLOW (To) | STORMWATER FLOW (To) | | |
| FACE OF LEDGE OUTCROP | FACE OF LEDGE OUTCROP | | |
| BIRCH | BIRCH | | |
| MAPLE | MAPLE | | |
| TREE LINE | TREE LINE | | |
| SITE LIGHTING (BAYSIDE FIXTURE) | SITE LIGHTING (BAYSIDE FIXTURE) | | |
| STONE WALL | STONE WALL | | |

GRAPHIC SCALE

20 0 20 40

1 inch = 20 ft.

ARCHITECT:

REED & CO. ARCHITECTURE

46 CUMBERLAND AVE
PORTLAND, ME 04101
207 871 5878

CIVIL & STRUCTURAL ENGINEER:

CASCO BAY ENGINEERING

424 FORE ST #3A
PORTLAND, ME 04101
207 842 2800

LANDSCAPE ARCHITECT:

LAND DESIGN SOLUTIONS

P.O. BOX 316
160 LONGWOODS ROAD
CUMBERLAND, ME 04021
207 939 1717

MECHANICAL ENGINEERS:

HOLBROOK ENGINEERING

52 HEATH RD
SACO, ME 04072
207 283 9127

ELECTRICAL ENGINEER:

BARTLETT DESIGN

942 WASHINGTON STREET
BATH, MAINE 04530
207 443 5447

INTERIOR DESIGNER:

COLE DESIGN

30 DRAKE LANE
KITTEERY, ME 03904
207 653 0083

CONSTRUCTION MANAGER:

ZACHAU CONSTRUCTION INC.

1185 US ROUTE ONE
FREEPORT, ME 04032
207 865 9925

OWNER:

TOWN OF CAPE ELIZABETH

320 OCEAN HOUSE ROAD
CAPE ELIZABETH
MAINE, 04107

EXPANSION & RENOVATIONS TO

THOMAS MEMORIAL LIBRARY

6 SCOTT DYER RD
CAPE ELIZABETH
MAINE, 04107

Title: EXISTING SITE PLAN

Sheet No.

C1.1

Scale:

Date:

Revised:

SCALE: 1"=20'-0"



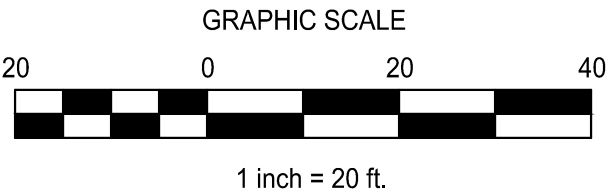
GENERAL NOTES

- 1) TOPOGRAPHY INFORMATION TAKEN FROM HORIZONS ENGINEERING DATED FEBRUARY 21, 2014. PARTIAL BOUNDARY SURVEY INFORMATION TAKEN FROM AMEC DATED APRIL 21, 2014.
- 2) THE CONTRACT WORK TO BE PERFORMED ON THIS PROJECT CONSISTS OF FURNISHING ALL REQUIRED LABOR, MATERIALS, EQUIPMENT, IMPLEMENTS, PARTS AND SUPPLIES NECESSARY FOR OR APPURTENANT TO THE INSTALLATION OF CONSTRUCTION IMPROVEMENTS IN ACCORDANCE WITH THESE DRAWINGS AND AS FURTHER ELABORATED IN ANY ACCOMPANYING SPECIFICATIONS.
- 3) THE WORK SHALL BE PERFORMED IN A THOROUGH WORKMANLIKE MANNER. ALL CONTRACTORS TO CONFORM TO ALL APPLICABLE OSHA STANDARDS. ANY REFERENCE TO A SPECIFICATION OR DESIGNATION OF THE AMERICAN SOCIETY FOR TESTING MATERIALS, FEDERAL SPECIFICATIONS, OR OTHER STANDARDS, CODES OR ORDERS, REFERS TO THE MOST RECENT OR LATEST SPECIFICATION OR DESIGNATION.
- 4) ALL CONSTRUCTION WITHIN THE TOWN RIGHT OF WAY SHALL COMPLY WITH TOWN PUBLIC WORKS STANDARDS. ALL CONSTRUCTION WITHIN A STATE RIGHT OF WAY SHALL COMPLY WITH MAINE D.O.T. STANDARDS. ALL UTILITY CONSTRUCTION SHALL CONFORM TO RESPECTIVE UTILITY STANDARDS.
- 5) THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED BY THE TOWN PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE TOWN REQUIRED TO PERFORM ALL THE WORK (STREET OPENINGS, BUILDING PERMIT, ETC.). THE CONTRACTOR SHALL POST ALL BONDS AS REQUIRED, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
- 6) PRIOR TO CONSTRUCTION, THE SITE CONTRACTOR IS TO INFORM ALL AREA UTILITY COMPANIES AND GOVERNMENTAL AGENCIES OF PLANNED CONSTRUCTION. THE SITE CONTRACTOR IS REQUIRED TO CONTACT DIG-SAFE (1-800-225-4977) AT LEAST 3 BUSINESS DAYS PRIOR TO ANY EXCAVATION TO VERIFY ALL UNDERGROUND AND OVERHEAD UTILITY LOCATIONS.
- 7) THE PROJECT DRAWINGS ARE GENERALLY SCHEMATIC AND INDICATE THE POSSIBLE LOCATION OF EXISTING UNDERGROUND UTILITIES. INFORMATION ON EXISTING UTILITIES HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY MAPS, MUNICIPAL RECORD MAPS, AND FIELD SURVEY. IT IS NOT GUARANTEED TO BE CORRECT OR COMPLETE. UTILITIES ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING SERVICES, WHEN THOSE SERVICES ARE TO BE LEFT INTACT. THE CONTRACTOR IS TO PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING THE EXCAVATING AND BACKFILLING OPERATIONS. SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED UTILITIES BE FOUND, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH THE WORK IN THIS AREA.
- 8) OSHA REGULATIONS MAKE IT UNLAWFUL TO OPERATE CRANES, BOOMS, HOISTS, ETC. WITHIN TEN FEET (10') OF ANY ELECTRIC LINE. IF THE CONTRACTOR MUST OPERATE CLOSER THAN 10', THE CONTRACTOR MUST CONTACT THE POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS BEFORE ENCROACHING ON THIS REQUIREMENT.
- 9) IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLANS, APPROVALS, AND DETAILS FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL VERIFY ALL THE SITE CONDITIONS IN THE FIELD AND CONTACT THE DESIGN ENGINEER IF THERE ARE ANY DISCREPANCIES REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS SO THAT AN APPROPRIATE REVISION CAN BE MADE PRIOR TO BIDDING.
- 10) THE CONTRACTOR SHALL REFERENCE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS AND CONSTRUCTION DETAILS OF THE BUILDING AREA. BUILDING AND DRIVEWAYS SHOWN ARE CONCEPTUAL. ALL SITE DIMENSIONS ARE REFERENCED TO PROPERTY LINES, THE FACE OF CURBS, OUTSIDE FACE OF WALLS, OR EDGE OF PAVING UNLESS OTHERWISE NOTED.
- 11) ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED IN WRITING BY THE OWNER, DESIGN ENGINEER, AND APPROPRIATE GOVERNMENTAL AGENCY PRIOR TO INSTALLATION.
- 12) THE CONTRACTOR SHALL RESTORE ALL UTILITY STRUCTURES, PIPE, UTILITIES, PAVEMENT, CURBS, SIDEWALKS, AND LANDSCAPE AREAS DISTURBED BY CONSTRUCTION TO AS GOOD AS BEFORE BEING DISTURBED AS DETERMINED BY CITY CODE ENFORCEMENT OFFICIALS. ANY DAMAGES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 13) ALL EXCAVATION SHALL BE BACKFILLED TO EXISTING GRADE BEFORE THE END OF THE DAY OR ADEQUATELY PROTECTED FROM DANGER TO HUMANS AND ANIMALS.
- 14) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE OWNER WILL PROVIDE A BENCH MARK AT THE CONSTRUCTION SITE FROM WHICH TO BEGIN LAYOUT.
- 15) THE CONTRACTOR SHALL GUARANTEE THE FAITHFUL REMEDY OF ANY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP AND GUARANTEES PAYMENT FOR ANY RESULTING DAMAGE WHICH SHALL APPEAR WITHIN A PERIOD OF ONE (1) YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT.
- 16) THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER AT THE END OF CONSTRUCTION.
- 17) A PRE-CONSTRUCTION CONFERENCE WITH THE OWNER, DESIGNERS, TOWN OFFICIALS AND CONTRACTOR SHALL BE REQUIRED BEFORE ANY CONSTRUCTION OCCURS ON THE PROJECT. DURING CONSTRUCTION THERE SHALL BE WEEKLY PROGRESS MEETINGS WITH THE OWNER (ON SITE OR TELECONFERENCE) UNTIL PROJECT COMPLETION.
- 18) PROPER IMPLEMENTATION AND MAINTENANCE OF EROSION CONTROL MEASURES ARE OF PARAMOUNT IMPORTANCE FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTIONS OF THE OWNER, THEIR REPRESENTATIVES, OR STATE/LOCAL/ FEDERAL INSPECTORS AT NO ADDITIONAL COST TO THE OWNER.

| LEGEND | | |
|----------|---------------------------------|----------|
| EXISTING | DESCRIPTION | PROPOSED |
| | GRANITE MONUMENT - 3" OFFSET | |
| | IRON PIN FOUND/SET | |
| | IRON ROD FOUND | |
| | CAPED IRON ROD FOUND | |
| | DRILL HOLE FOUND | |
| | GRANITE MONUMENT FOUND | |
| | STREET LINE | |
| | LOT SETBACKS | |
| | PROPERTY LINE | |
| | ABUTTOR LINE | |
| | 10' OUT BUFFER | |
| | WETLANDS | |
| | EDGE OF ROAD/TRAVELLED WAY | |
| | SOIL TEST PIT | |
| | CONTOUR | |
| | SPOT GRADE | |
| | GAS SHUT-OFF | |
| | UTILITY POLE | |
| | OVERHEAD ELECTRICAL | |
| | UNDERGROUND ELECTRICAL | |
| | ELECTRICAL TRANSFORMER | |
| | FIRE HYDRANT | |
| | WATER LINE | |
| | WATER GATE | |
| | SEWER LINE | |
| | SEWER MANHOLE | |
| | CATCH BASIN | |
| | UNDERDRAIN/STORMDRAIN | |
| | UNDERDRAIN | |
| | SILT FENCE | |
| | TEMP. STONE CHECK DAM | |
| | GRADING AND FLOW DIRECTION | |
| | HAY BALES | |
| | EROSION CONTROL BLANKET | |
| | STORMWATER BOUNDARY | |
| | STORMWATER FLOW (To) | |
| | FACE OF EDGE OUTCROP | |
| | BIRCH | |
| | MAPLE | |
| | TREE LINE | |
| | SITE LIGHTING (BAYSIDE FIXTURE) | |
| | STONE WALL | |

PARKING CALCULATIONS

| | | |
|----------------------------------|--|-------------------------|
| PARKING REQUIREMENTS: | | 1 SPACE PER 150 SQ. FT. |
| | | + 1 SPACE PER EMPLOYEE |
| LOWER LEVEL: | | |
| PROGRAM 1 | 1,041 SQ. FT. | |
| PROGRAM 2 | 313 SQ. FT. | |
| PROGRAM 3 | 151 SQ. FT. | |
| MEDIA | 125 SQ. FT. | |
| STORYTIME | 225 SQ. FT. | |
| UPPER LEVEL: | | |
| MEDIA | 127 SQ. FT. | |
| STUDY | 104 SQ. FT. | |
| STUDY | 109 SQ. FT. | |
| READING ADULT | 215 SQ. FT. | |
| PERIODICALS | 386 SQ. FT. | |
| Y.A. | 601 SQ. FT. | |
| ADULT STUDY | 450 SQ. FT. | |
| SUB TOTAL | 3,847 SQ. FT. | |
| REQUIRED SPACES: | 3,847 SQ. FT. / 150 SQ. FT. = 25.65 SPACES | = 26 SPACES |
| | + 11 EMPLOYEES | = 11 SPACES |
| TOTAL NUMBER OF SPACES REQUIRED: | | 37 SPACES |
| TOTAL NUMBER OF SPACES PROVIDED: | | 53 SPACES |



PROPOSED GRADING & DRAINAGE PLAN

SCALE: 1"=20'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

ARCHITECT:
REED & CO. ARCHITECTURE
46 CUMBERLAND AVE
PORTLAND, ME 04101
207 871 5678

CIVIL & STRUCTURAL ENGINEER:
CASCO BAY ENGINEERING
424 FORE ST #3A
PORTLAND, ME 04101
207 842 2800

LANDSCAPE ARCHITECT:
LAND DESIGN SOLUTIONS
P.O. BOX 316
160 LONGWOODS ROAD
CUMBERLAND, ME 04021
207 939 1717

MECHANICAL ENGINEERS:
HOLBROOK ENGINEERING
52 HEATH RD
SACO, ME 04072
207 283 9127

ELECTRICAL ENGINEER:
BARTLETT DESIGN
942 WASHINGTON STREET
BATH, MAINE 04530
207 443 5447

INTERIOR DESIGNER:
COLE DESIGN
30 DRAKE LANE
KITTERY, ME 03904
207 653 0083

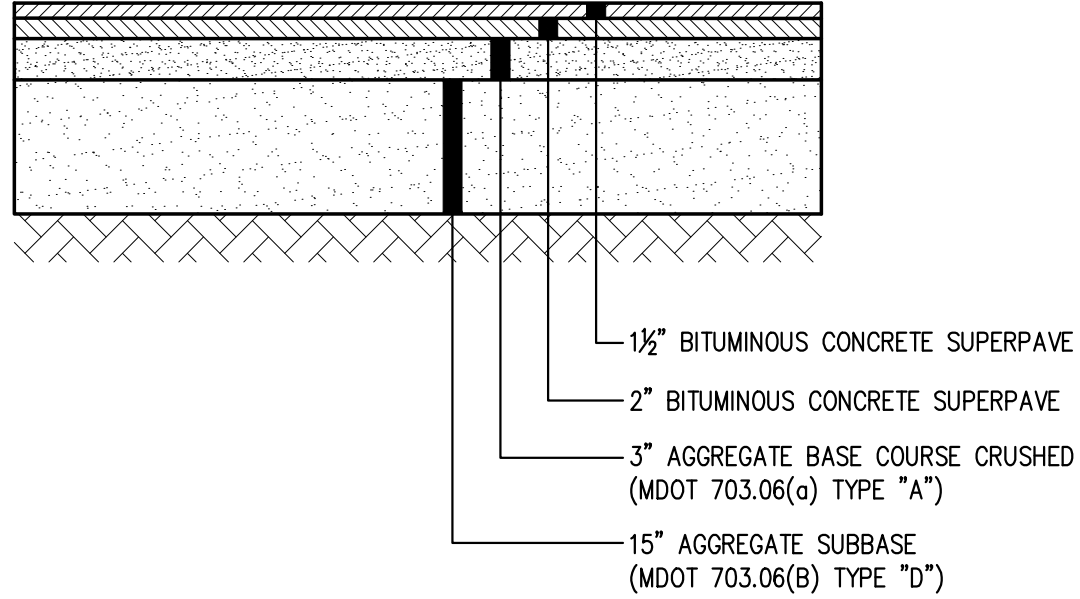
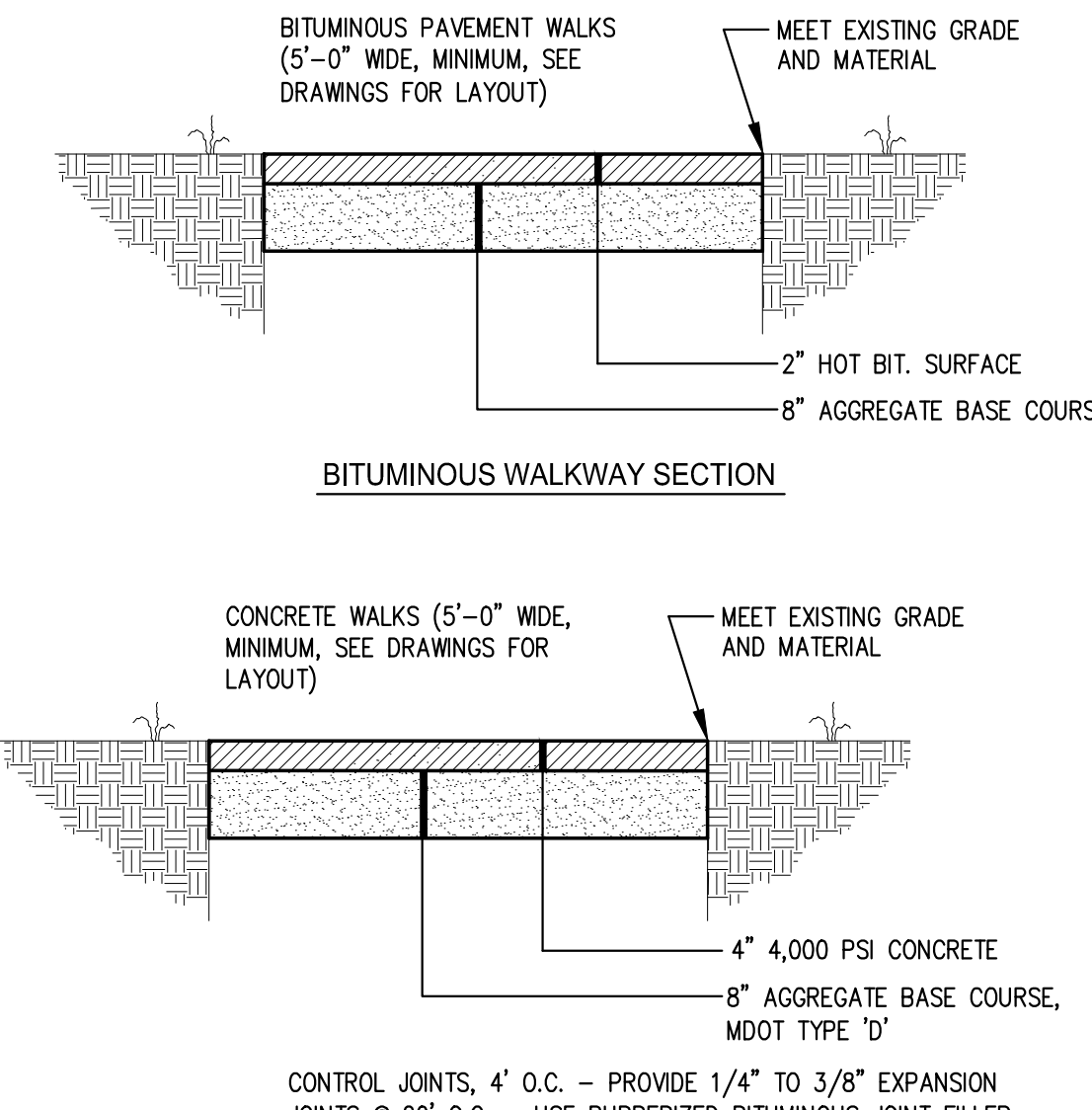
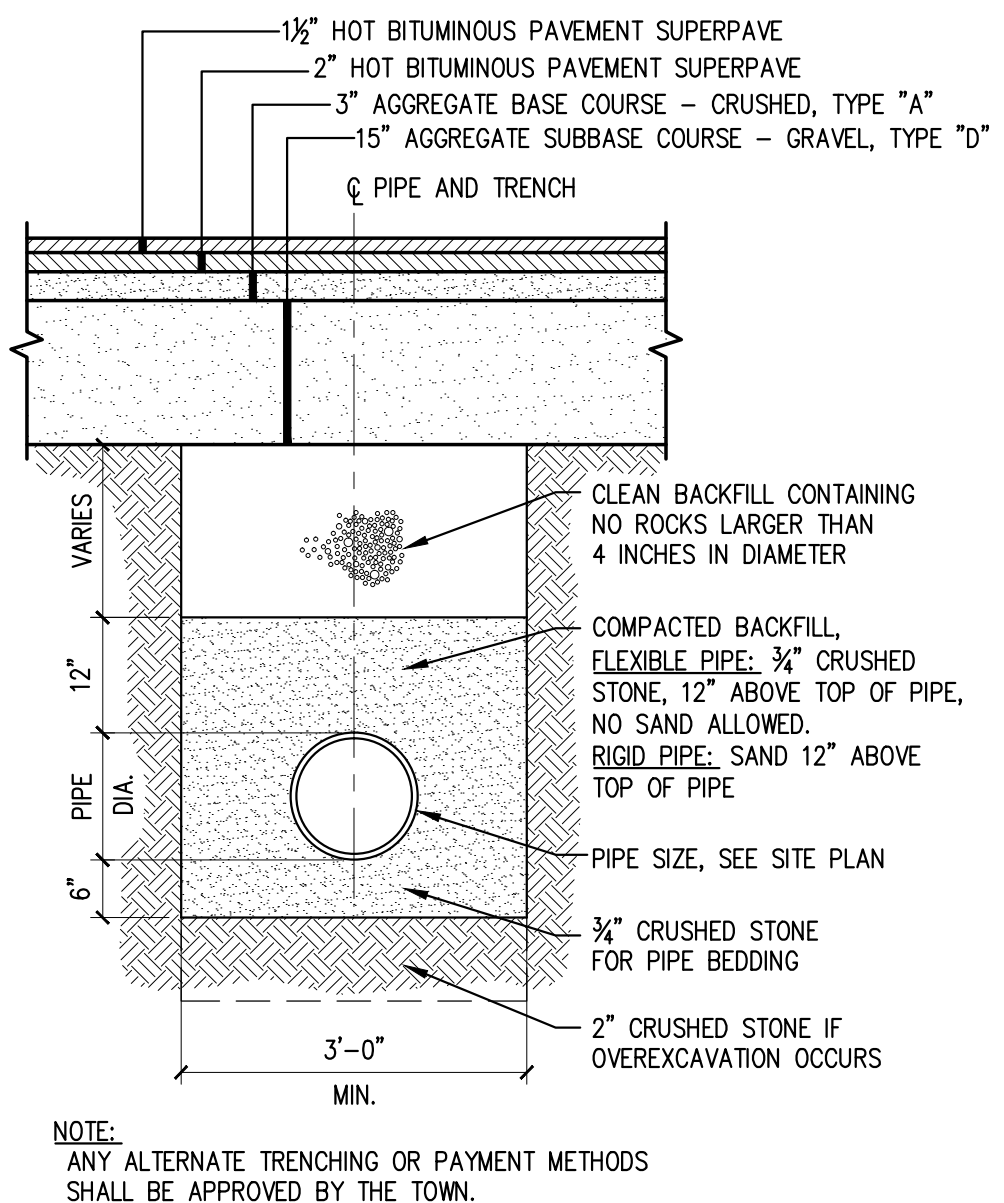
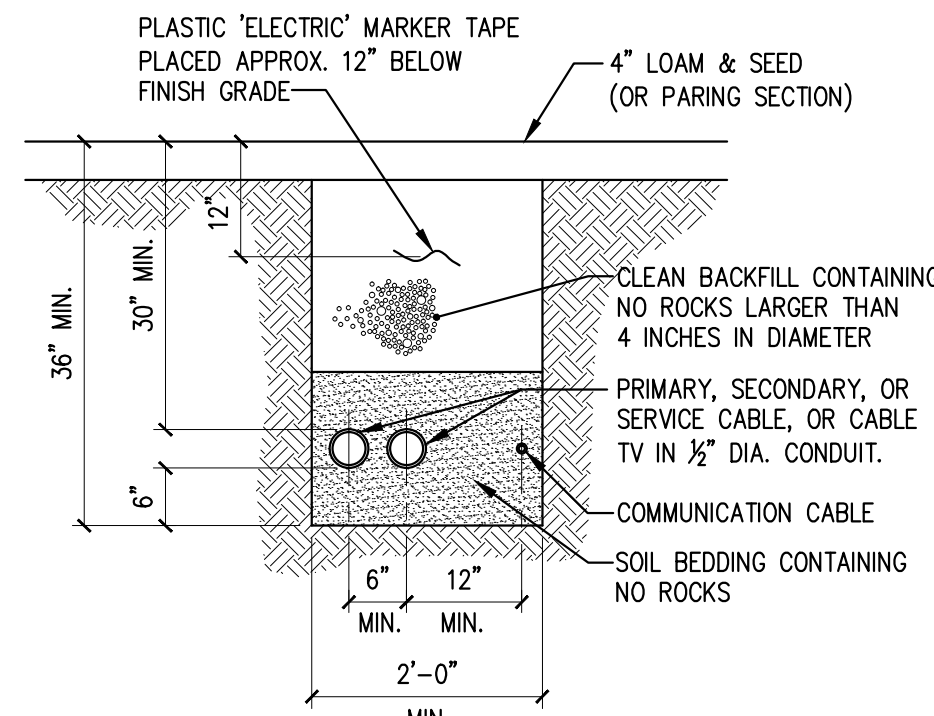
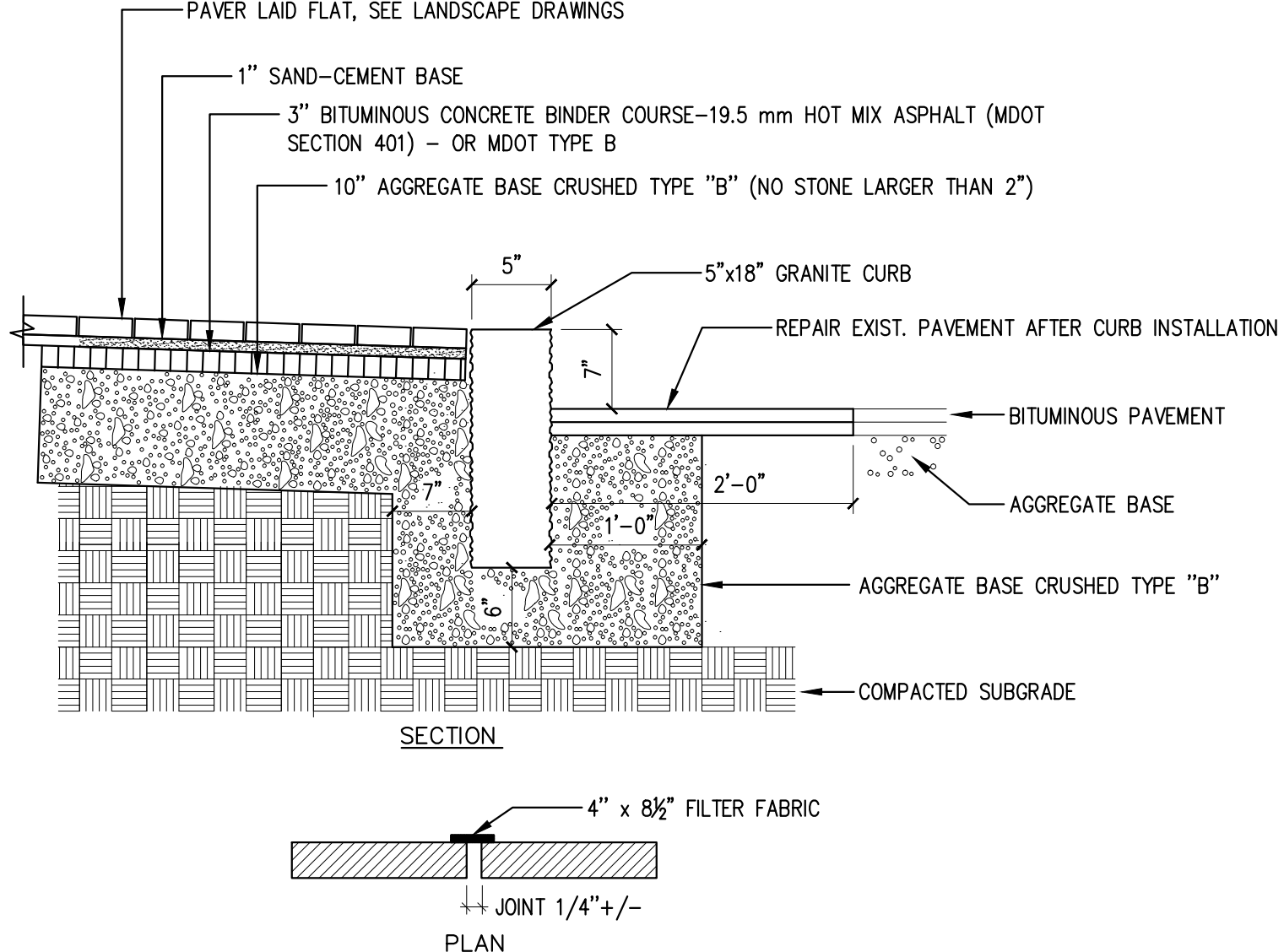
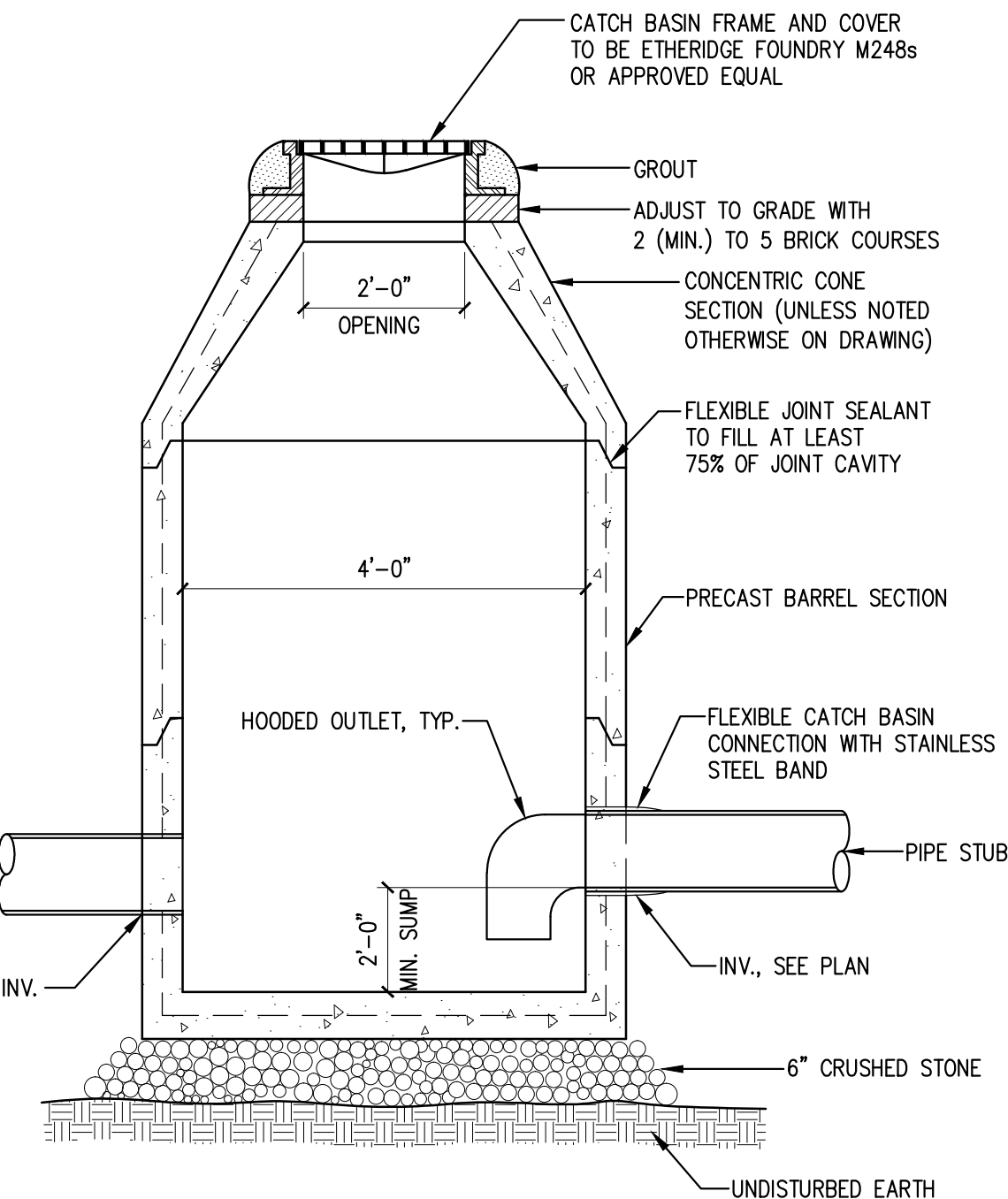
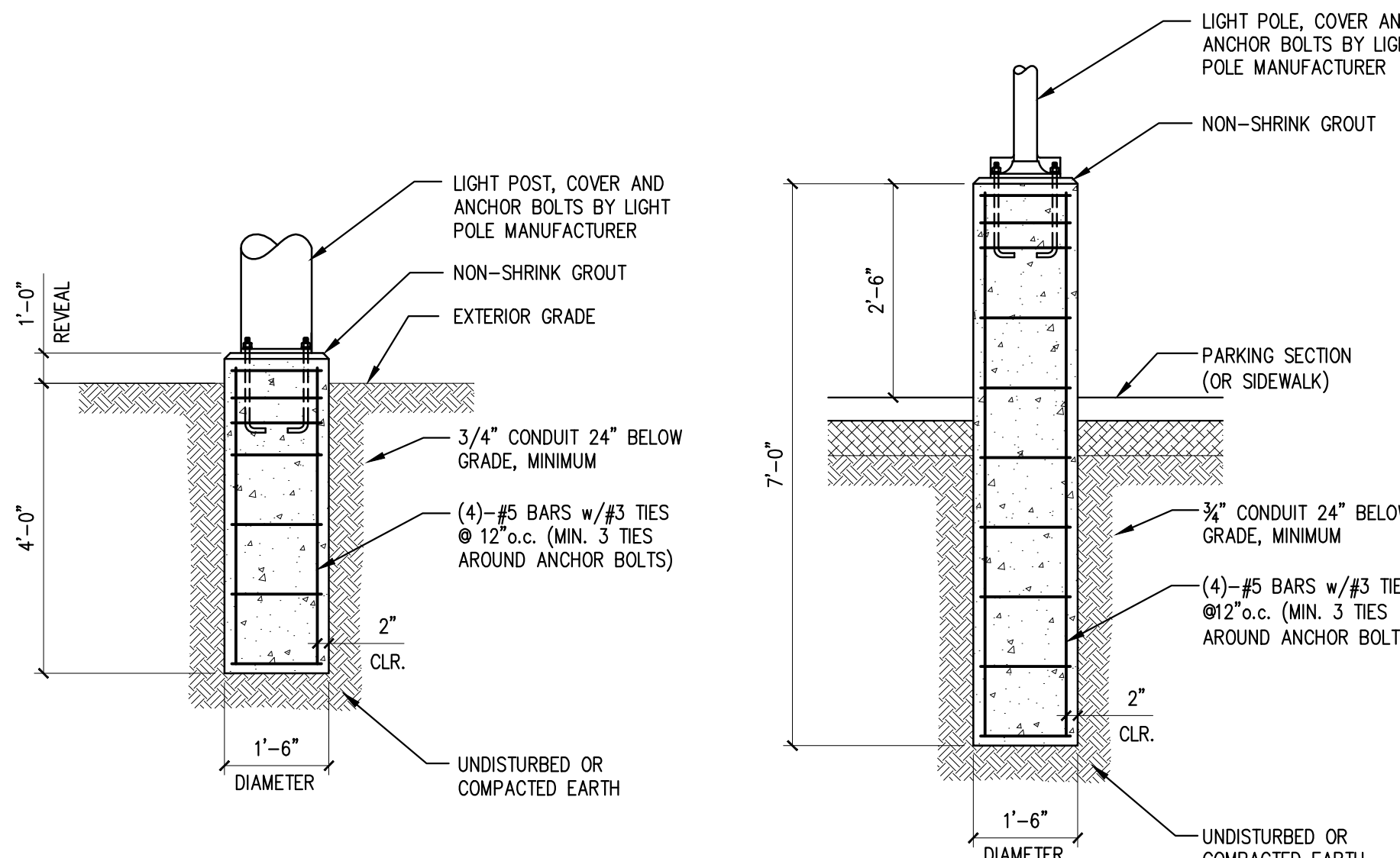
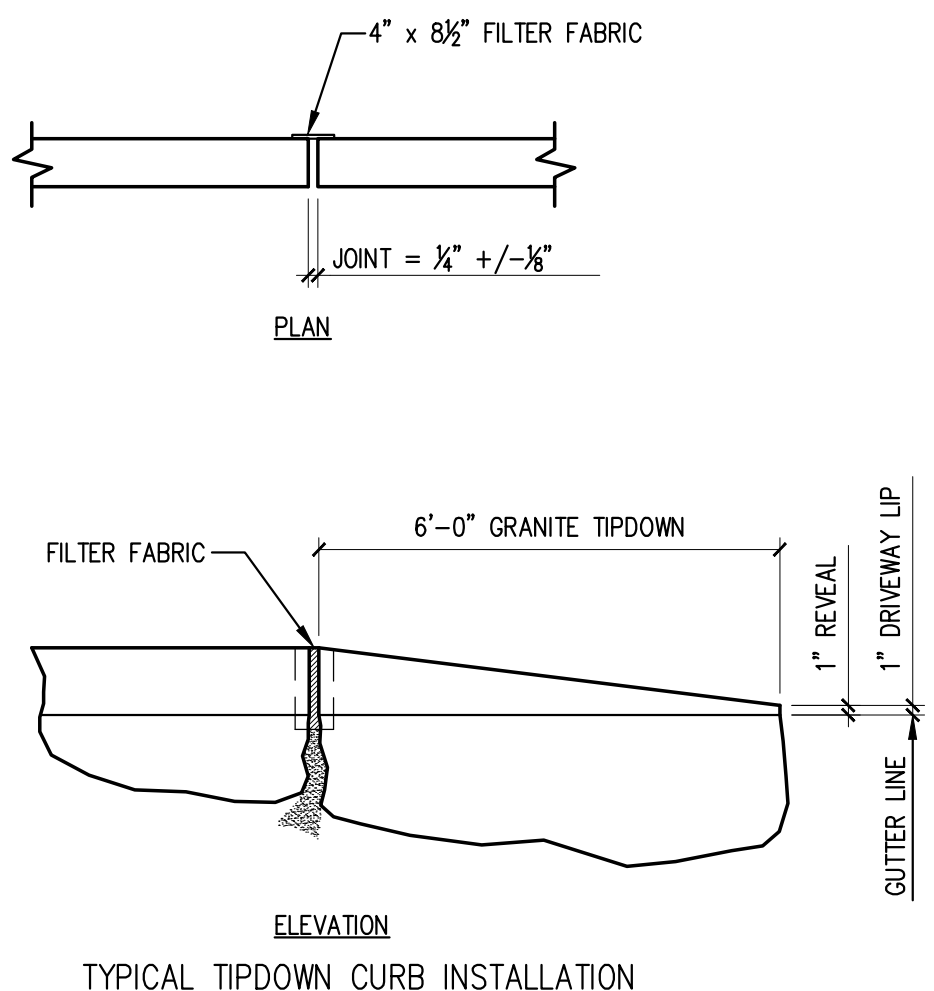
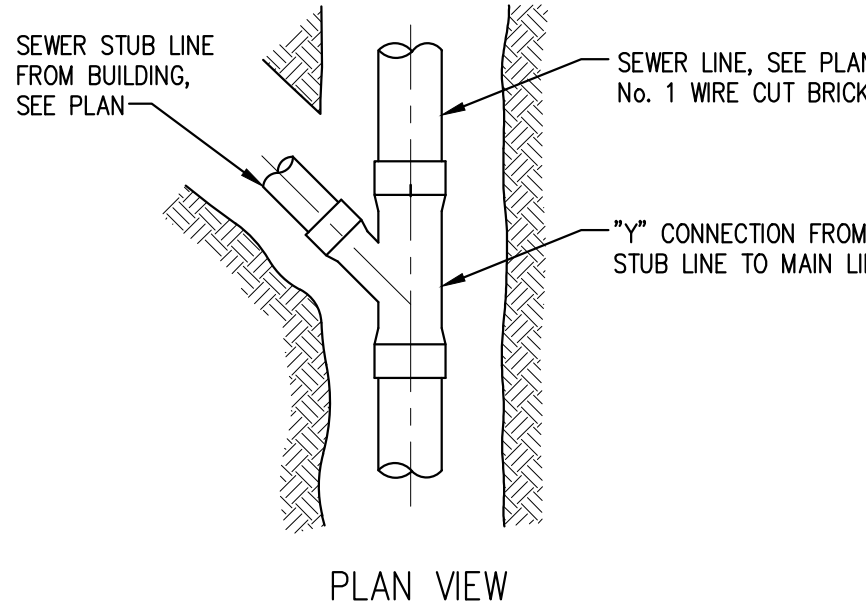
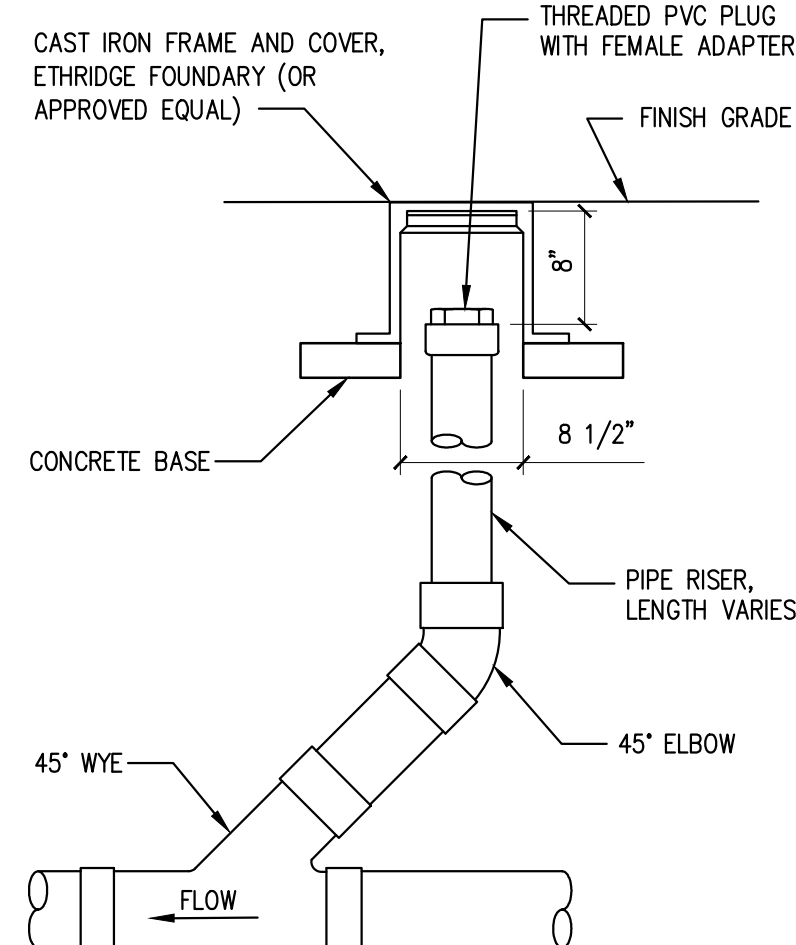
CONSTRUCTION MANAGER:
ZACHAU CONSTRUCTION INC.
1185 US ROUTE ONE
FREEPORT, ME 04032
207 865 9925

OWNER:
TOWN OF CAPE ELIZABETH
320 OCEAN HOUSE ROAD
CAPE ELIZABETH
MAINE, 04107

EXPANSION & RENOVATIONS TO
THOMAS MEMORIAL LIBRARY
6 SCOTT DYER RD
CAPE ELIZABETH
MAINE, 04107

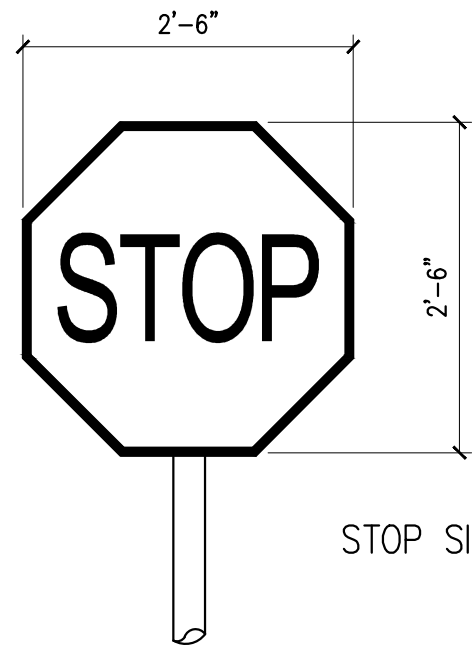
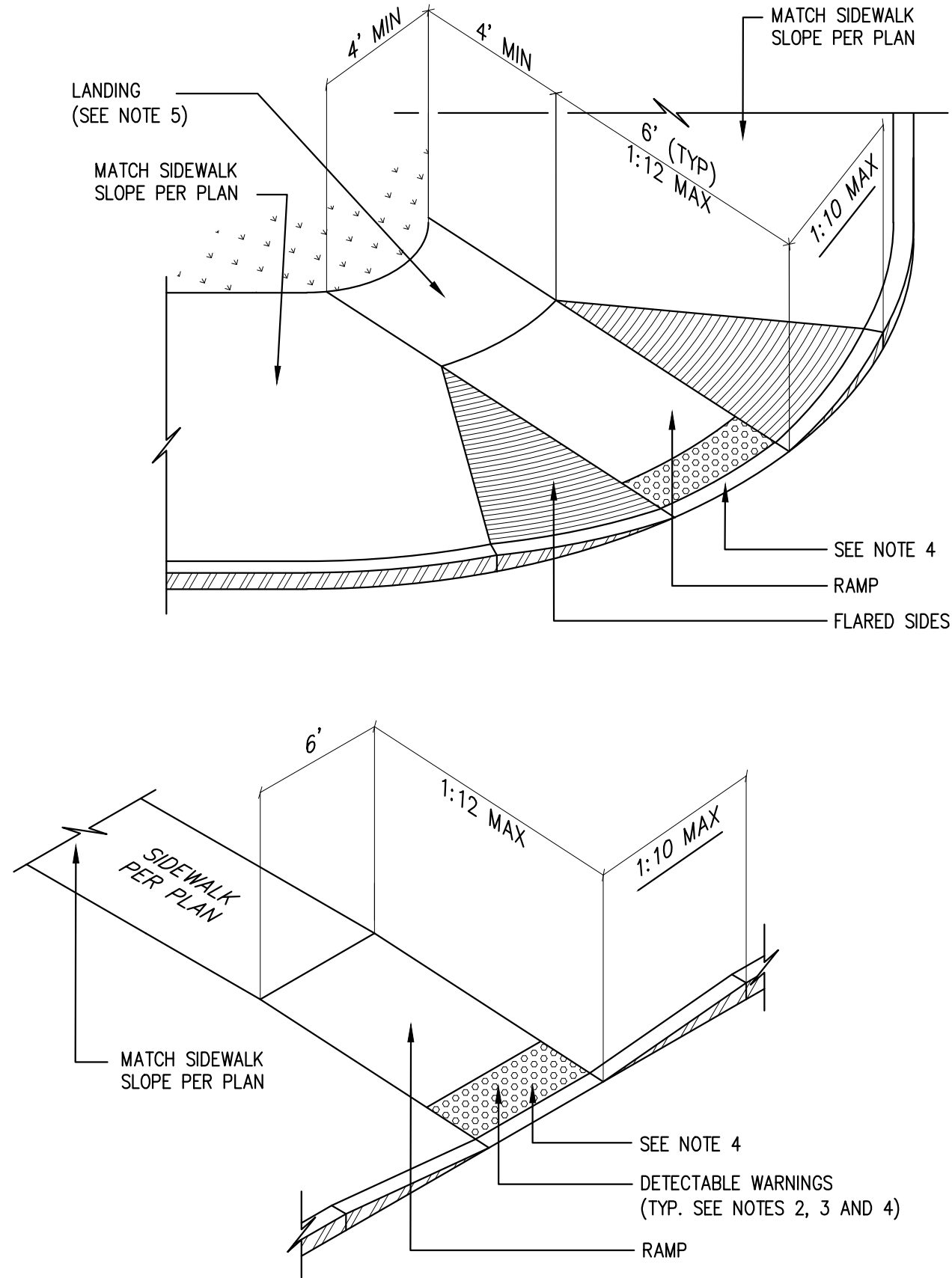
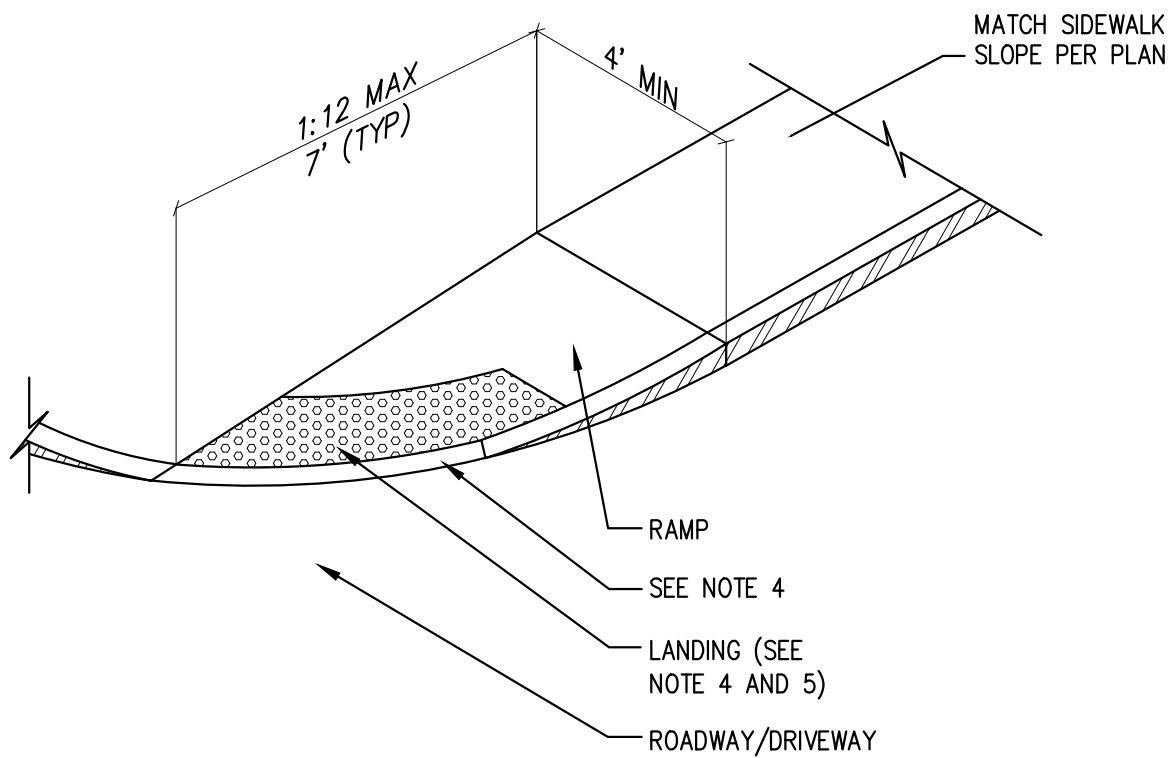
Title: **PROPOSED GRADING & DRAINAGE PLAN**
Sheet No. **C1.2**

Scale:
Date:
Revised:

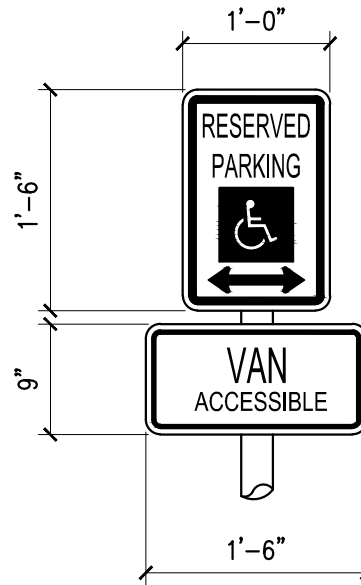
| | | | | | | |
|---|---|--|---|--|---|--|
|  <p>NOTE: 1. COMPACT GRAVEL SUBBASE, BASE COURSE TO 95% OF MAXIMUM DENSITY USING HEAVY ROLLER COMPACTION. 2. CONTRACTOR SHALL SET GRADE STAKES MARKING SUBBASE AND FINISH GRADE ELEVATIONS FOR CONSTRUCTION REFERENCE.</p> | |  <p><u>BITUMINOUS WALKWAY SECTION</u></p> <p><u>CONCRETE WALKWAY SECTION</u></p> | |  <p>NOTE: ANY ALTERNATE TRENCHING OR PAYMENT METHODS SHALL BE APPROVED BY THE TOWN.</p> |  | <div><div>PRELIMINARY NOT FOR CONSTRUCTION</div><div>ARCHITECT: REED & CO. ARCHITECTURE 46 CUMBERLAND AVE PORTLAND, ME 04101 207 871 5878</div><div>CIVIL & STRUCTURAL ENGINEER: CASCO BAY ENGINEERING 424 FORE ST #3A PORTLAND, ME 04101 207 842 2800</div><div>LANDSCAPE ARCHITECT: LAND DESIGN SOLUTIONS P.O. BOX 316 160 LONGWOODS ROAD CUMBERLAND, ME 04021 207 939 1717</div><div>MECHANICAL ENGINEERS: HOLBROOK ENGINEERING 52 HEATH RD SACO, ME 04072 207 283 9127</div><div>ELECTRICAL ENGINEER: BARTLETT DESIGN 942 WASHINGTON STREET BATH, MAINE 04530 207 443 5447</div><div>INTERIOR DESIGNER: COLE DESIGN 30 DRAKE LANE KITTERY, ME 03904 207 653 0083</div><div>CONSTRUCTION MANAGER: ZACHAU CONSTRUCTION INC. 1185 US ROUTE ONE FREEPORT, ME 04032 207 865 9925</div><div>OWNER: TOWN OF CAPE ELIZABETH 320 OCEAN HOUSE ROAD CAPE ELIZABETH MAINE, 04107</div><div>EXPANSION & RENOVATIONS TO THOMAS MEMORIAL LIBRARY 6 SCOTT DYER RD CAPE ELIZABETH MAINE, 04107</div><div>Title: SITE DETAILS SHEET 1 Sheet No. C2.0</div><div>Scale: Date: Revised:</div></div> |
| <p><u>TYPICAL PARKING LOT SECTION</u></p> NTS | <p><u>TYPICAL WALKWAY SECTIONS</u></p> NTS | <p><u>TYPICAL UNDERGROUND TRENCH SECTION</u></p> NTS | <p><u>TYPICAL UNDERGROUND WIRE TRENCH SECTION</u></p> NTS | | | |
|  <p>NOTE: JOINTS SHALL BE CAULKED WITH N1 CAULKING IF 3/8" OR GREATER</p> |  <p><u>GENERAL NOTES FOR MANHOLES AND CATCH BASINS</u></p> <ol style="list-style-type: none">ALL CONCRETE SHALL BE CLASS "A" AND HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000 PSI AT THE END OF 28 DAYS, UNLESS OTHERWISE NOTED.PRECAST REINFORCED CONE BARREL MANUFACTURED PER ASTM SPEC. C-478-67ALL NEW AND EXISTING STRUCTURES THAT ARE WORKED ON MUST BE VACUUM TESTED AFTER COMPLETION.ALL MANHOLES SHALL HAVE BITUMINOUS WATERPROOFING APPLIED TO THE EXTERIOR SURFACE.CASTINGS SHALL CONFORM TO ASTM DESIGNATION A48-CLASS 35. ALL PARTS OF CASTINGS, EXCEPT FINISHED SURFACE, SHALL RECEIVE A COAT OF COAL TAR PITCH VARNISH OR ASPHALTUM PAINT WHICH SHALL BE SMOOTH AND TOUGH BUT NOT BRITTLE.MANHOLES SHALL BE CONSTRUCTED OF PRECAST REINFORCED CONCRETE.ALL PRECAST MANHOLES AND CATCH BASINS SHALL BE IDENTIFIED BY STATION AND OFFSET, PAINTED ON THE SIDE OF THE STRUCTURE BY THE MANUFACTURER.STORM AND SEWER MANHOLES SHALL HAVE SOLID COVERS WITH ONE DRILLED PICK HOLE.EXISTING MANHOLES, CATCH BASINS, FRAMES, AND COVERS SHALL BE SALVAGED BY THE CONTRACTOR AND REMAIN THE PROPERTY OF THE CITY. | |  | | | |
| <p><u>TYPICAL PAVER SIDEWALK WITH GRANITE CURB DETAIL</u></p> NTS | <p><u>DRAINAGE MANHOLE DETAIL AND NOTES</u></p> NTS | <p><u>TYPICAL LIGHT POLE BASE DETAILS</u></p> NTS | | | | |
|  <p><u>TYPICAL TIPDOWN CURB INSTALLATION</u></p> | |  <p><u>PLAN VIEW</u></p> |  | | | |
| <p><u>GRANITE CURB DETAILS</u></p> NTS | <p><u>TYPICAL SEWER CONNECTION DETAIL</u></p> NTS | <p><u>TYPICAL SEWER CLEANOUT DETAIL</u></p> SCALE: NTS | | | | |

NOTES:

1. CURB RAMP LENGTHS ARE BASED ON SIX (6) INCH CURB REVEAL HEIGHT AND NO RUNNING SLOPE. RAMP LENGTHS SHALL BE ADJUSTED AS NECESSARY TO ACCOMMODATE VARYING CURB REVEAL HEIGHTS AND TO MATCH RUNNING SLOPES OF ADJACENT ROADWAY AND SIDEWALK SLOPES TO MAINTAIN A RAMP THAT DOES NOT EXCEED THE MAXIMUM RAMP SLOPE OF 1:12.
2. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES AND SHALL HAVE A BASE DIAMETER OF 0.9 INCHES (23 mm) MINIMUM AND 1.4 INCHES (36 mm) MAXIMUM; A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM AND A HEIGHT OF 0.2 INCHES (5.1 mm). A CENTER-TO-CENTER SPACING OF 1.6 INCHES (41mm) MINIMUM AND 2.4 INCHES (61mm) MAXIMUM; AND A BASE-TO-BASE SPACING OF 0.65 INCHES (17mm) MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.
3. DETECTABLE WARNINGS 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.
4. ALL ACCESSIBLE ROUTE SIDEWALKS INTERSECTING ROADWAYS, DRIVEWAYS, OR OTHER VEHICULAR CROSSINGS REQUIRE DETECTABLE WARNINGS. DETECTABLE WARNING ZONES SHALL BE INSTALLED SIX (6) INCHES (OR THE HORIZONTAL THICKNESS OF THE ADJACENT CURB) FROM THE FLOW LINE OF THE CURB, EXTEND INTO THE SIDEWALK FOR A 24" DEPTH, AND COVER THE COMPLETE WIDTH OF THE SIDEWALK OR RAMP AREA. DETECTABLE WARNING ZONES SHALL CONFORM TO THE SLOPE REQUIREMENTS OF THE RAMP, LANDING, OR ACCESSIBLE ROUTE AS DEFINED IN THE SPECIFIED DETAIL. DETECTABLE WARNINGS SHALL NOT BE INSTALLED IN FLARED SIDES, IF THE RAMP INCLUDES FLARED SIDES.
5. ALL LANDING AREAS SHALL BE 4 FEET WIDE BY 4 FEET LONG (MINIMUM DIMENSIONS). THE SLOPE OF THE LANDING AREA SHALL NOT EXCEED A 1:48 IN ANY DIRECTION.
6. ALL ACCESSIBLE ROUTE SLOPES ADJOINING THE LANDING AREA, EXCLUDING THE CURB RAMP, SHALL NOT EXCEED A SLOPE OF 1:20 UNLESS OTHERWISE NOTED.

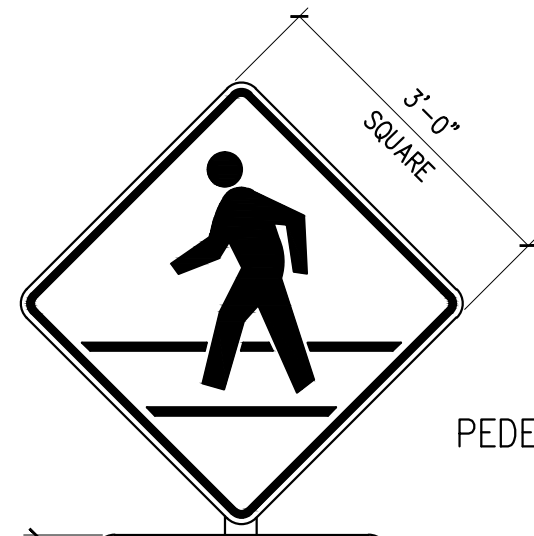


STOP SIGN (R1-1)

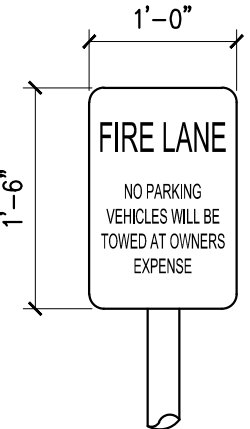
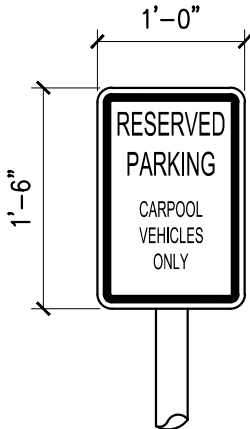
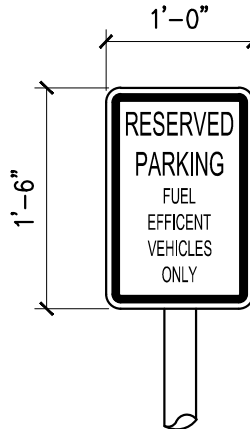
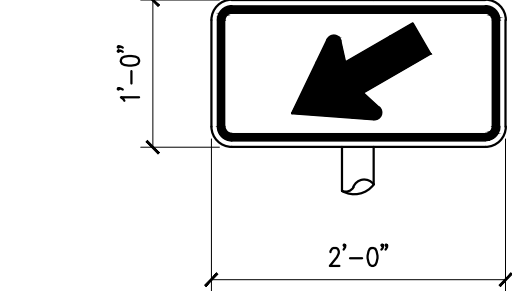


ACCESSIBLE PARKING SIGN (R7-8)

VAN ACCESSIBLE SIGN (R7-8P)



PEDESTRIAN SIGN (W11-2)



OTHER PARKING SIGNS

ALL SIGNS SHALL HAVE TYPE III HIGH INTENSITY REFLECTIVE SHEETING ON 0.08" ALUMINUM.

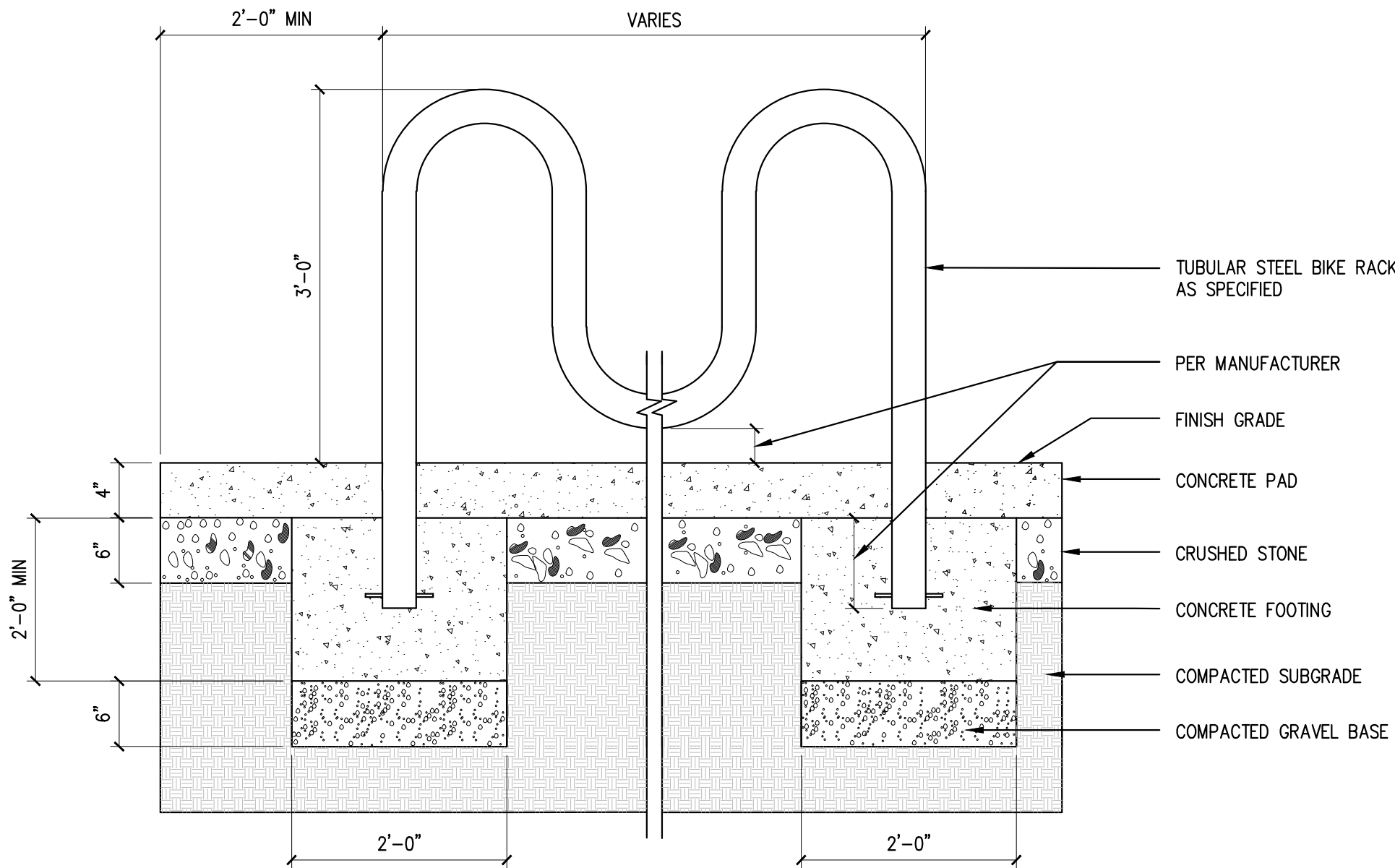
REFERENCE "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS", FP-96, SECTION 718.01 AND "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" 2009 EDITION

BARRIER FREE RAMP DETAIL

NTS

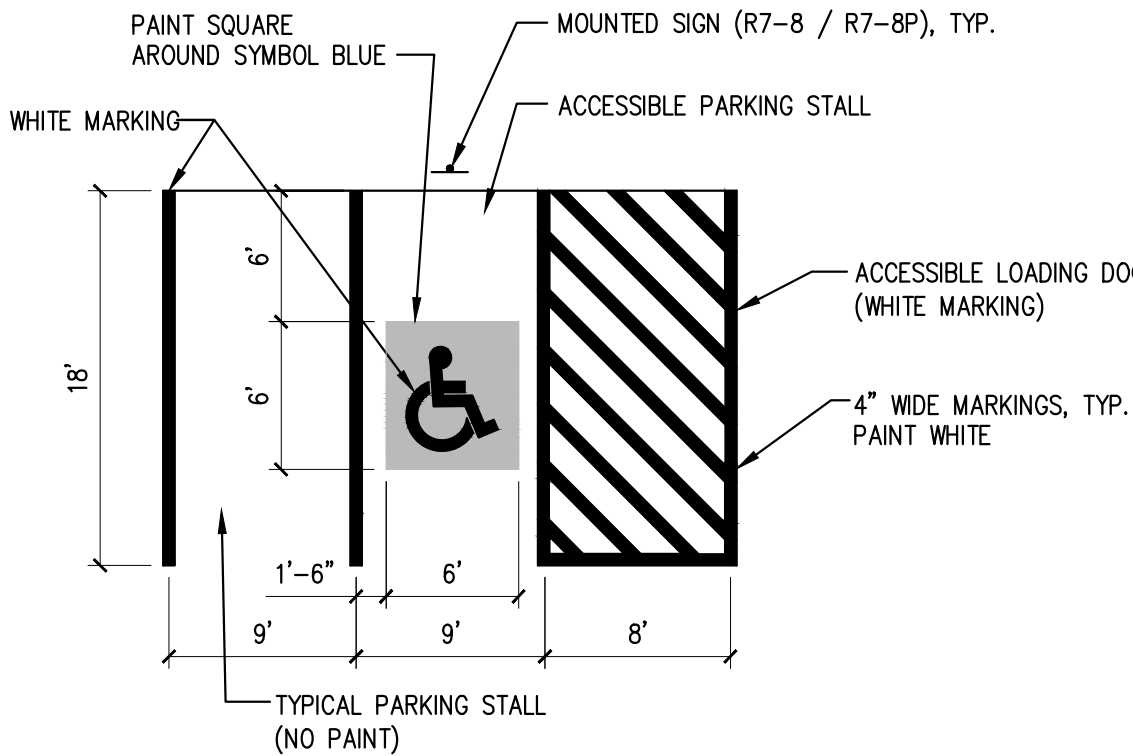
SIGNAGE DETAILS

NTS

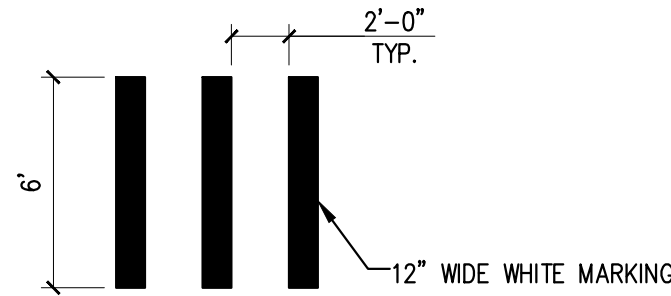


TYPICAL BIKE RACK DETAIL

NTS



PARKING STALL DETAILS
NTS



PAINTED CROSSWALK DETAIL
NTS

PARKING STALL AND PAINTED CROSSWALK DETAIL

SCALE: NTS

PRELIMINARY
NOT FOR CONSTRUCTION

ARCHITECT:
REED & CO. ARCHITECTURE
46 CUMBERLAND AVE
PORTLAND, ME 04101
207 871 5878

CIVIL & STRUCTURAL ENGINEER:
CASCO BAY ENGINEERING
424 FORE ST #3A
PORTLAND, ME 04101
207 842 2800

LANDSCAPE ARCHITECT:
LAND DESIGN SOLUTIONS
P.O. BOX 316
160 LONGWOODS ROAD
CUMBERLAND, ME 04021
207 939 1717

MECHANICAL ENGINEERS:
HOLBROOK ENGINEERING
52 HEATH RD
SACO, ME 04072
207 283 9127

ELECTRICAL ENGINEER:
BARTLETT DESIGN
842 WASHINGTON STREET
BATH, MAINE 04530
207 443 5447

INTERIOR DESIGNER:
COLE DESIGN
30 DRAKE LANE
KITTERY, ME 03904
207 653 0083

CONSTRUCTION MANAGER:
ZACHAU CONSTRUCTION INC.
1185 US ROUTE ONE
FREEPORT, ME 04032
207 865 9925

OWNER:
TOWN OF CAPE ELIZABETH
320 OCEAN HOUSE ROAD
CAPE ELIZABETH
MAINE, 04107

EXPANSION & RENOVATIONS TO
THOMAS MEMORIAL LIBRARY

6 SCOTT DYER RD
CAPE ELIZABETH
MAINE, 04107

Title: **SITE DETAILS**
SHEET 2

Sheet No.

C2.1

Scale:

Date:

Revised:

EROSION AND SEDIMENTATION NOTES

1. THIS PLAN HAS BEEN DEVELOPED TO PROVIDE A STRATEGY FOR DEALING WITH SOIL EROSION AND SEDIMENTATION DURING AND AFTER PROJECT CONSTRUCTION. THIS PLAN IS BASED ON THE STANDARD AND SPECIFICATIONS FOR EROSION PREVENTION AS CONTAINED IN THE MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: "MAINE EROSION AND SEDIMENT CONTROL BMPs" PUBLISHED BY THE MAINE DEP, LATEST EDITION.

GENERAL EROSION AND SEDIMENTATION CONTROL PRACTICES

1. EROSION/SEDIMENT CONTROL DEVICES
THE FOLLOWING EROSION SEDIMENTATION CONTROL DEVICES ARE PROPOSED FOR CONSTRUCTION ON THIS PROJECT. INSTALL THESE DEVICES AS INDICATED ON THE PLANS.
- 1.1 SILT FENCE: SILT FENCE WILL BE INSTALLED ALONG THE DOWN GRADING EDGES OF DISTURBED AREAS TO TRAP RUNOFF BORNE SEDIMENTS UNTIL THE SITE IS STABILIZED. IN AREAS WHERE STORMWATER DISCHARGES THE SILT FENCE WILL BE REINFORCED WITH HAY BALES TO HELP MAINTAIN THE INTEGRITY OF THE SILT FENCE AND TO PROVIDE ADDITIONAL TREATMENT.
- 1.2 HAY BALES TO BE PLACED IN LOW FLOW DRAINAGE SWALES AND PATHS TO TRAP SEDIMENTS AND REDUCE RUNOFF VELOCITIES. DO NOT PLACE HAY BALES IN FLOWING WATER OR STREAMS.
- 1.3 RIPRAP: PROVIDE RIPRAP IN AREAS WHERE CULVERTS DISCHARGE OR AS SHOWN ON THE PLANS.
- 1.4 LOAM, SEED, & MULCH: ALL DISTURBED AREAS, WHICH ARE NOT OTHERWISE TREATED, SHALL RECEIVE PERMANENT SEEDING AND MULCH TO STABILIZE THE DISTURBED AREAS. THE DISTURBED AREAS WILL BE REVEGETATED WITHIN 5 DAYS OF FINAL GRADING. SEEDING REQUIREMENTS ARE PROVIDED AT THE END OF THIS SPECIFICATION.
- 1.5 STRAW AND HAY MULCH: USED TO COVER DENUDED AREAS UNTIL PERMANENT SEED OR EROSION CONTROL MEASURES ARE IN PLACE. MULCH BY ITSELF CAN BE USED ON SLOPES LESS THAN 15% IN SUMMER AND 8% IN WINTER. ALL OTHER SLOPES MUST BE COVERED WITH JUTE MESH OVER MULCH, OR CURLEX I OR EXCELSIOR MAY BE USED IN PLACE OF JUTE MESH AND MULCH OVER LOAM AND SEED.
- 1.6 MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8% VEGETATED DRAINAGE SWALES SHALL BE LINED WITH EXCELSIOR OR CURLEX.
2. TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES
PROVIDE THE FOLLOWING TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION OF THE DEVELOPMENT:
- 2.1 SILTATION FENCE ALONG THE DOWNGRADIENT SIDE OF THE PARKING AREAS AND OF ALL FILL SECTIONS. THE SILTATION FENCE WILL REMAIN IN PLACE UNTIL THE SITE IS 85% REVEGETATED.
- 2.2 HAY BALES PLACED AT KEY LOCATIONS TO SUPPLEMENT THE SILT FENCE.
- 2.3 PROTECT TEMPORARY STOCKPILES OF STUMPS, GRUBBINGS, OR COMMON EXCAVATION AS FOLLOWS:
- A. SOIL STOCKPILE SIDE SLOPES SHALL NOT EXCEED 2:1.
- B. AVOID PLACING TEMPORARY STOCKPILES IN AREAS WITH SLOPES OVER 10 PERCENT, OR NEAR DRAINAGE SWALES. SEE ITEM 3 IN CONSTRUCTION PHASE NOTES BELOW.
- C. STABILIZE STOCKPILES WITHIN 15 DAYS BY TEMPORARILY SEEDING WITH A HYDROSEED METHOD CONTAINING AN EMULSIFIED MULCH TACKIFIER OR BY COVERING THE STOCKPILE WITH MULCH.
- D. SURROUND STOCKPILE SOIL WITH SILTATION FENCE AT BASE OF PILE.
- 2.4 ALL DENUDED AREAS WHICH HAVE BEEN ROUGH GRADED AND ARE NOT LOCATED WITHIN THE BUILDING PAD, OR PARKING AND DRIVEWAY SUBBASE AREA SHALL RECEIVE MULCH WITHIN 30 DAYS OF INITIAL DISTURBANCE OF SOIL OR WITHIN 15 DAYS AFTER COMPLETING THE ROUGH GRADING OPERATIONS. IN THE EVENT THE CONTRACTOR COMPLETES FINAL GRADING AND INSTALLATION OF LOAM AND SOD WITHIN THE TIME PERIODS PRESENTED ABOVE, INSTALLATION OF MULCH AND NETTING, WHERE APPLICABLE, IS NOT REQUIRED.
- 2.5 IF WORK IS CONDUCTED BETWEEN OCTOBER 15 AND APRIL 15, ALL DENUDED AREAS ARE TO BE COVERED WITH HAY MULCH, APPLIED AT TWICE THE NORMAL APPLICATION RATE, AND ANCHORED WITH FABRIC NETTING. THE PERIOD BETWEEN FINAL GRADING AND MULCHING SHALL BE REDUCED TO A 15 DAY MAXIMUM.
- 2.6 TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE HAS BEEN STABILIZED OR IN AREAS WHERE PERMANENT EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
3. PERMANENT EROSION CONTROL MEASURES
THE FOLLOWING PERMANENT CONTROL MEASURES ARE REQUIRED BY THIS EROSION/SEDIMENTATION CONTROL PLAN:
- 3.1 ALL AREAS DISTURBED DURING CONSTRUCTION, BUT NOT SUBJECT TO OTHER RESTORATION (PAVING, RIPRAP, ETC.), WILL BE LOAMED, LIMED, FERTILIZED AND SEEDED. NATIVE TOPSOIL SHALL BE STOCKPILED AND REUSED FOR FINAL RESTORATION WHEN IT IS OF SUFFICIENT QUALITY.
- 3.2 SLOPES GREATER THAN 2:1 WILL RECEIVE RIPRAP.

CONSTRUCTION PHASE

THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION DURING CONSTRUCTION OF THIS PROJECT.

1. ONLY THOSE AREAS UNDER ACTIVE CONSTRUCTION WILL BE CLEARED AND LEFT IN AN UNTREATED OR UNVEGETATED CONDITION. IF FINAL GRADING, LOAMING AND SEEDING WILL NOT OCCUR WITHIN 15 DAYS, SEE ITEM NO. 4.
2. PRIOR TO THE START OF CONSTRUCTION IN A SPECIFIC AREA, SILT FENCING AND/OR HAY BALES WILL BE INSTALLED AT THE TOE OF SLOPE AND IN AREAS AS LOCATED ON THE PLANS TO PROTECT AGAINST ANY CONSTRUCTION RELATED EROSION. IMMEDIATELY FOLLOWING CONSTRUCTION OF CULVERTS AND SWALES, RIP RAP APRONS SHALL BE INSTALLED, AS SHOWN ON THE PLANS.
3. TOPSOIL WILL BE STOCKPILED WHEN NECESSARY IN AREAS WHICH HAVE MINIMUM POTENTIAL FOR EROSION AND WILL BE KEPT AS FAR AS POSSIBLE FROM THE EXISTING DRAINAGE COURSE. NO STOCKPILE SHALL BE CLOSER THEN 100' OF A RESOURCE INCLUDING, BUT NOT LIMITED TO, WETLANDS, STREAMS, AND OPEN WATER BODIES. ALL STOCKPILES SHALL HAVE A SILTATION FENCE BELOW THEM REGARDLESS OF TIME OF PRESENCE. ALL STOCKPILES EXPECTED TO REMAIN LONGER THAN 15 DAYS SHALL BE:
- A. TREATED WITH ANCHORED MULCH (WITHIN 5 DAYS OF THE LAST DEPOSIT OF STOCKPILED SOIL).
- B. SEEDED WITH CONSERVATION MIX AND MULCHED IMMEDIATELY.
- C. INSTALL SILT FENCE AROUND STOCKPILE AT BASE OF PILE.
- STOCKPILES TO HAVE SILT FENCE INSTALLED AT TIME OF ESTABLISHMENT AT BASE OF PILE.
4. ALL DISTURBED AREAS EXPECTED TO REMAIN LONGER THAN 30 DAYS SHALL BE EITHER:
- A. TREATED WITH ANCHORED MULCH IMMEDIATELY, OR
- B. SEEDED WITH CONSERVATION MIX OF ANNUAL RYE GRASS (0.9 LBS/1000 SQ. FT) AND MULCHED IMMEDIATELY.
5. ALL GRADING WILL BE HELD TO A MAXIMUM 2:1 SLOPE WHERE PRACTICAL. ALL SLOPES WILL BE STABILIZED WITH PERMANENT SEEDING, OR WITH STONE, WITHIN 5 DAYS AFTER FINAL GRADING IS COMPLETE. (SEE POST-CONSTRUCTION REVEGETATION FOR SEEDING SPECIFICATION.)
6. ALL CULVERTS WILL BE PROTECTED WITH STONE RIPRAP (D50 = 6" UNLESS OTHERWISE SPECIFIED) AT INLETS AND OUTLETS.

POST-CONSTRUCTION REVEGETATION

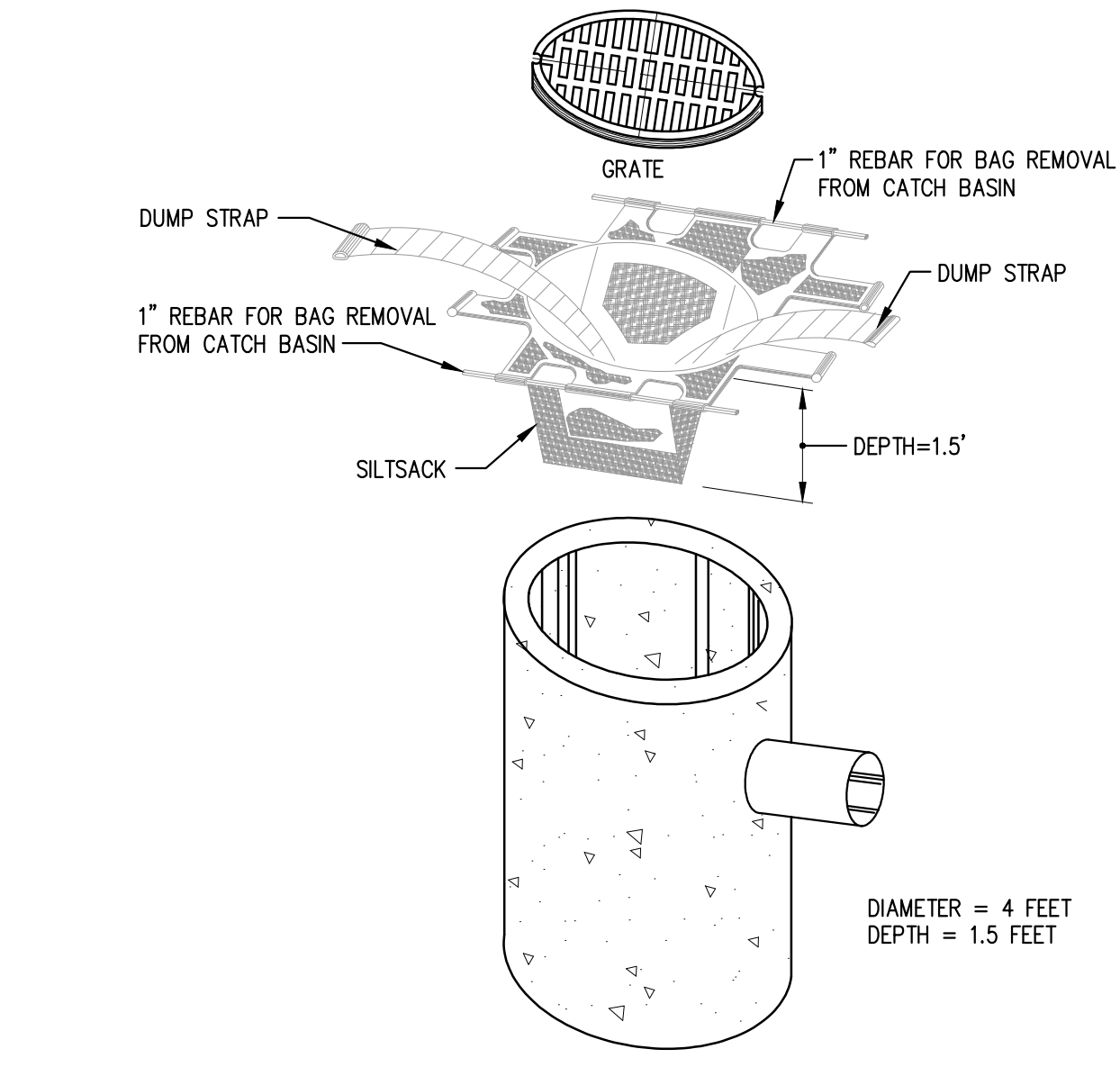
THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION AS SOON AS AN AREA IS READY TO UNDERGO FINAL GRADING.

1. A MINIMUM OF 4" OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH AND NATURAL APPEARANCE, OR STONE WILL BE PLACED ON SLOPES TO STABILIZE SURFACES.
2. IF FINAL GRADING IS REACHED DURING THE NORMAL GROWING SEASON (4/15 TO 9/15), PERMANENT SEEDING WILL BE DONE AS SPECIFIED BELOW. PRIOR TO SEEDING, LIMESTONE SHALL BE APPLIED AT A RATE OF 138 LBS/1000 SQ. FT. AND 10-20-20 FERTILIZER AT A RATE OF 18.4 LBS/1000 SQ.FT WILL BE APPLIED. BROADCAST SEEDING AT THE FOLLOWING RATES:
- | LAWNS | SWALES |
|---------------------------------------|-------------------------------|
| KENTUCKY BLUEGRASS 0.46 LBS/1000 SF. | RED TOP 0.05 LBS/1000 SF. |
| CREEPING RED FESCUE 0.46 LBS/1000 SF. | TALL FESCUE 0.46 LBS/1000 SF. |
| PERENNIAL RYE GRASS 0.11 LB/1000 SF. | |
3. AN AREA SHALL BE MULCHED IMMEDIATELY AFTER IS HAS BEEN SEEDD. MULCHING SHALL CONSIST OF HAY MULCH, HYDRO-MULCH, JUTE NET OVER MULCH, PRE-MANUFACTURED EROSION MATS OR ANY SUITABLE SUBSTITUTE DEEMED ACCEPTABLE BY THE DESIGNER.
- A. HAY MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. HAY MULCH SHALL BE SECURED BY EITHER: (NOTE: SOIL SHALL NOT BE VISIBLE)
- II. BEING DRIVEN OVER BY TRACKED CONSTRUCTION EQUIPMENT ON GRADES OF 5% AND LESS.
1. BLANKETED BY TACKED PHOTODEGRADABLE/BIODEGRADABLE NETTING, OR WITH SPRAY, ON GRADES GREATER THAN 5%.
- III. SEE NOTE 6, GENERAL NOTES, AND NOTE 8, WINTER CONSTRUCTION.
- B. HYDRO-MULCH SHALL CONSIST OF A MIXTURE OF EITHER ASPHALT, WOOD FIBER OR PAPER FIBER AND WATER SPRAYED OVER A SEEDD AREA. HYDRO-MULCH SHALL NOT BE USED BETWEEN 9/15 AND 4/15.
4. CONSTRUCTION SHALL BE PLANNED TO ELIMINATE THE NEED FOR SEEDING BETWEEN SEPTEMBER 15 AND APRIL 15. SHOULD SEEDING BE NECESSARY BETWEEN SEPTEMBER 15 AND APRIL 15 THE FOLLOWING PROCEDURE SHALL BE FOLLOWED. ALSO REFER TO NOTE 9 OF WINTER CONSTRUCTION.
- A. ONLY UNFROZEN LOAM SHALL BE USED.
- B. LOAMING, SEEDING AND MULCHING WILL NOT BE DONE OVER SNOW OR ICE COVER. IF SNOW EXISTS, IT MUST BE REMOVED PRIOR TO PLACEMENT OF SEED.
- C. WHERE PERMANENT SEEDING IS NECESSARY, ANNUAL WINTER RYE (1.2 LBS/1000 SQ.FT) SHALL BE ADDED TO THE PREVIOUSLY NOTED AREAS.
- D. WHERE TEMPORARY SEEDING IS REQUIRED, ANNUAL WINTER RYE (2.6 LBS/1000 SQ. FT.) SHALL BE SOWN INSTEAD OF THE PREVIOUSLY NOTED SEEDING RATE.
- E. FERTILIZING, SEEDING AND MULCHING SHALL BE APPLIED TO LOAM THE DAY THE LOAM IS SPREAD BY MACHINERY.
- F. ALTERNATIVE HAY MULCH SHALL BE SECURED WITH PHOTODEGRADABLE/BIODEGRADABLE NETTING. TRACKING BY MACHINERY ALONE WILL NOT SUFFICE.
5. FOLLOWING FINAL SEEDING, THE SITE WILL BE INSPECTED EVERY 30 DAYS UNTIL 85% COVER HAS BEEN ESTABLISHED. RESEEDING WILL BE CARRIED OUT BY THE CONTRACTOR WITHIN 10 DAYS OF NOTIFICATION BY THE ENGINEER THAT THE EXISTING CATCH IS INADEQUATE.

MONITORING SCHEDULE

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MONITORING, MAINTAINING, REPAIRING, REPLACING AND REMOVING ALL OF THE EROSION AND SEDIMENTATION CONTROLS OR APPOINTING A QUALIFIED SUBCONTRACTOR TO DO SO. MAINTENANCE MEASURES WILL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, A VISUAL INSPECTION WILL BE MADE OF ALL EROSION AND SEDIMENTATION CONTROLS AS FOLLOWS:

1. HAY BALE BARRIERS, SILT FENCE, AND STONE CHECK DAMS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK OR IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL. SEDIMENT TRAPPED BEHIND THESE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6" AND REDISTRIBUTED TO AREAS UNDERGOING FINAL GRADING. SHOULD THE HAY BALE BARRIERS PROVE TO BE INEFFECTIVE, THE CONTRACTOR SHALL INSTALL SILT FENCE BEHIND THE HAY BALES.
2. VISUALLY INSPECT RIPRAP ONCE A WEEK OR AFTER EACH SIGNIFICANT RAINFALL AND REPAIR AS NEEDED. REMOVE SEDIMENT TRAPPED BEHIND THESE DEVICES ONCE IT ATTAINS A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE DAM OR RISER. DISTRIBUTE REMOVED SEDIMENT OFF-SITE OR TO AN AREA UNDERGOING FINAL GRADING.
3. REVEGETATION OF DISTURBED AREAS WITHIN 25' OF DRAINAGE-COURSE/STREAM WILL BE SEEDD WITH THE "MEADOW AREA MIX" AND INSPECTED ON A WEEKLY BASIS OR AFTER EACH SIGNIFICANT RAINFALL AND RESEEDD AS NEEDED. EXPOSED AREAS WILL BE RESEEDD AS NEEDED UNTIL THE AREA HAS OBTAINED 100% GROWTH RATE. PROVIDE PERMANENT RIPRAP FOR SLOPES IN EXCESS OF 3:1 AND WITHIN 25' OF DRAINAGE COURSE.



"SILTSAK" INSTALLATION INSTRUCTION

1. REMOVE THE CATCH BASIN GRATE AND PLACE THE SACK INTO THE OPENING. HOLD OUT APPROXIMATELY SIX (6) INCHES OF THE SACK BEYOND THE BASIN FRAME TO ALLOW ACCESS TO THE "SILTSAK" LIFTING STRAPS. REPLACING THE GRATE BACK INSIDE OF ITS FRAME WILL HOLD THE SACK IN PLACE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING AND MAINTAINING THIS SEDIMENT CONTROL DEVICE. THE SACK IS CONSIDERED FULL AND READY TO EMPTY WHEN THE THE "RESTRAINT CORD" IS NO LONGER VISIBLE.
3. THE "SILTSAK" IS REMOVED BY PLACING TWO (2) PIECES IF 1 INCH DIAMETER REBAR THROUGH THE LIFTING LOOPS LOCATED ON EACH SIDE OF THE SACK AND LIFTING WITH AN APPROPRIATE PIECE OF CONSTRUCTION EQUIPMENT. THE LIFTING STRAPS ARE CONNECTED TO THE BOTTOM OF THE SACK AND THE LIFTING ACTION WILL CAUSE THE SACK TO TURN INSIDE OUT, AND EMPTYING THE CONTENTS. THE SACK SHOULD THEN BE CLEANED, RINSED AND RETURNED TO ITS ORIGINAL SHAPE AND PLACED BACK IN THE BASIN.
4. THE "SILTSAK" IS REUSABLE, THEREFORE, ONCE THE CONSTRUCTION CYCLE IS COMPLETE, REMOVE THE SACK FROM THE BASIN, CLEAN AND STORE OUT OF DIRECT SUNLIGHT UNTIL ITS NEXT USE.
5. THE "SILTSAK" SEDIMENT CONTROL DEVICE IS MANUFACTURED BY: ACF ENVIRONMENTAL

EROSION CONTROL DURING WINTER CONSTRUCTION

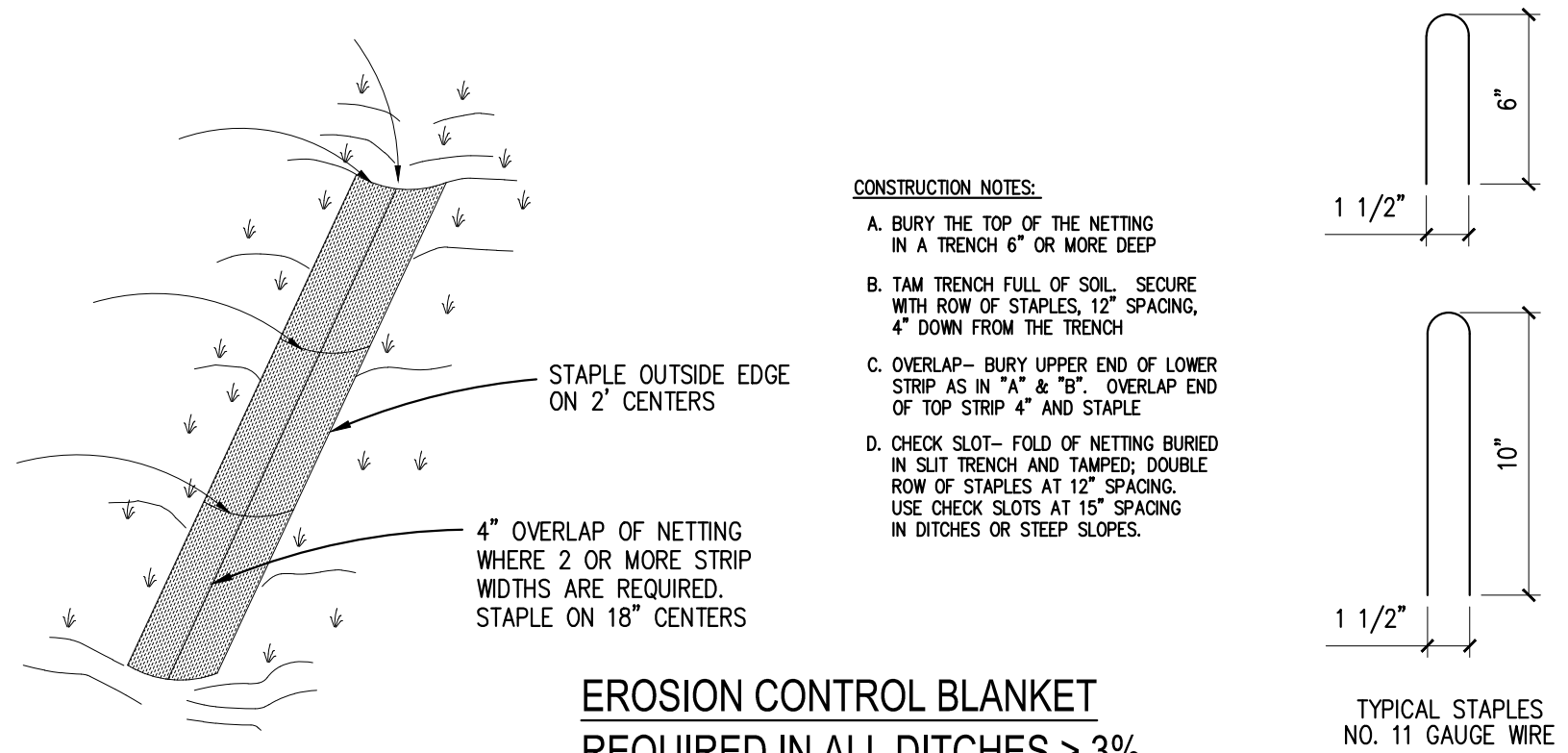
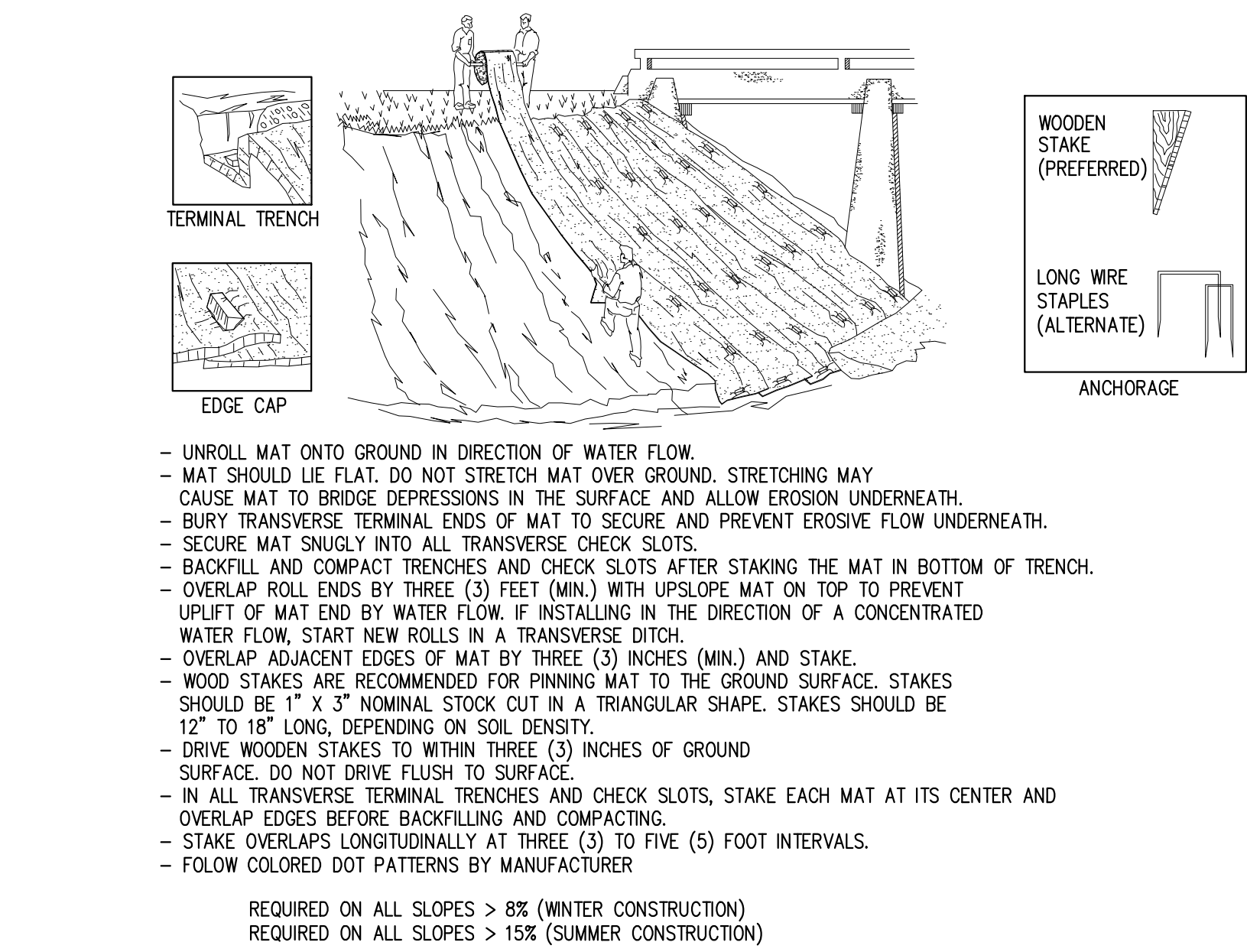
1. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.
2. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
3. EXPOSED AREA SHALL BE LIMITED TO THOSE AREAS TO BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT. AT THE END OF EACH WORK WEEK NO AREAS MAY BE LEFT UNSTABILIZED OVER THE WEEKEND.
4. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.
5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 150 LB. PER 1000 S.F. (WITH OR WITHOUT SEEDING) OR DORMANT SEEDD, MULCHED AND ANCHORED SUCH THAT SOIL SURFACE IS NOT VISIBLE THROUGH THE MULCH. NOTE: AN AREA IS ALSO CONSIDERED STABLE IF SODDED, COVERED WITH GRAVEL (PARKING LOTS) OR STRUCTURAL SAND.
6. BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDD AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1 AND IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDD AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT UNEXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW, DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF BALES OF HAY, SILT FENCE OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS SHOWN ON THE DESIGN DRAWINGS. NOTE: DORMANT SEEDING SHOULD NOT BE ATTEMPTED UNLESS SOIL TEMPERATURE REMAINS BELOW 50 DEGREES AND DAY TIME TEMPERATURES REMAIN IN THE 30'S.
7. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8% VEGETATED DRAINAGE SWALES SHALL BE LINED WITH EXCELSIOR OR CURLEX.
8. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH SLOPES GREATER THAN 15%. AFTER OCTOBER 1 THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
9. BETWEEN THE DATES OF OCTOBER 15 TO NOVEMBER 1, WINTER RYE IS RECOMMENDED FOR STABILIZATION. AFTER NOVEMBER 1, WINTER RYE IS NOT EFFECTIVE. AROUND NOVEMBER 15 OR LATER, ONCE TEMPERATURES OF THE AIR AND SOIL PERMIT, DORMANT SEEDING IS EFFECTIVE.
10. IN THE EVENT OF SNOWFALL (FRESH OR CUMULATIVE) GREATER THAN 1 INCH DURING WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM THE AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.

SITE INSPECTION AND MAINTENANCE

1. WEEKLY INSPECTIONS, AS WELL AS ROUTINE INSPECTIONS FOLLOWING RAIN FALLS, SHALL BE CONDUCTED BY THE GENERAL CONTRACTOR OF ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES UNTIL FINAL ACCEPTANCE OF THE PROJECT (85% GRASS CATCH). NECESSARY REPAIRS SHALL BE MADE TO CORRECT UNDERMINING OR DETEIORATION. FINAL ACCEPTANCE SHALL INCLUDE A SITE INSPECTION TO VERIFY THE STABILITY OF ALL DISTURBED AREAS AND SLOPES. UNTIL FINAL INSPECTION, ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL IMMEDIATELY BE CLEANED, AND REPAIRED BY THE GENERAL CONTRACTOR AS REQUIRED. DISPOSAL OF ALL TEMPORARY EROSION AND CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- IT IS RECOMMENDED THAT THE OWNER HIRE THE SERVICES OF THE DESIGN ENGINEER TO PROVIDE COMPLIANCE INSPECTIONS (DURING ACTIVE CONSTRUCTION) RELATIVE TO IMPLEMENTATION OF THE STORMWATER AND EROSION CONTROL PLANS. SUCH INSPECTIONS SHOULD BE LIMITED TO ONCE A WEEK OR AS NECESSARY AND BE REPORTABLE TO THE OWNER, TOWN AND DEP.
2. SHORT-TERM SEDIMENTATION MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAN OUT ALL SWALES AND STRUCTURES PRIOR TO TURNING PROJECT OVER TO THE CITY.

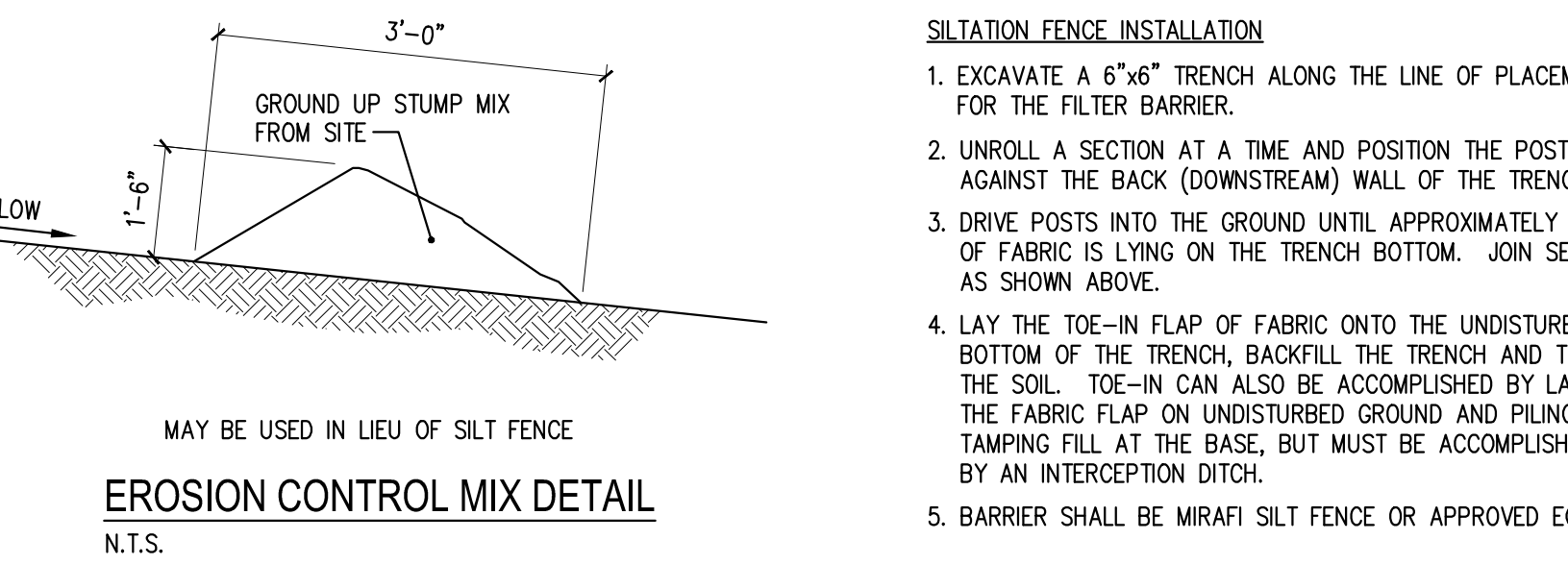
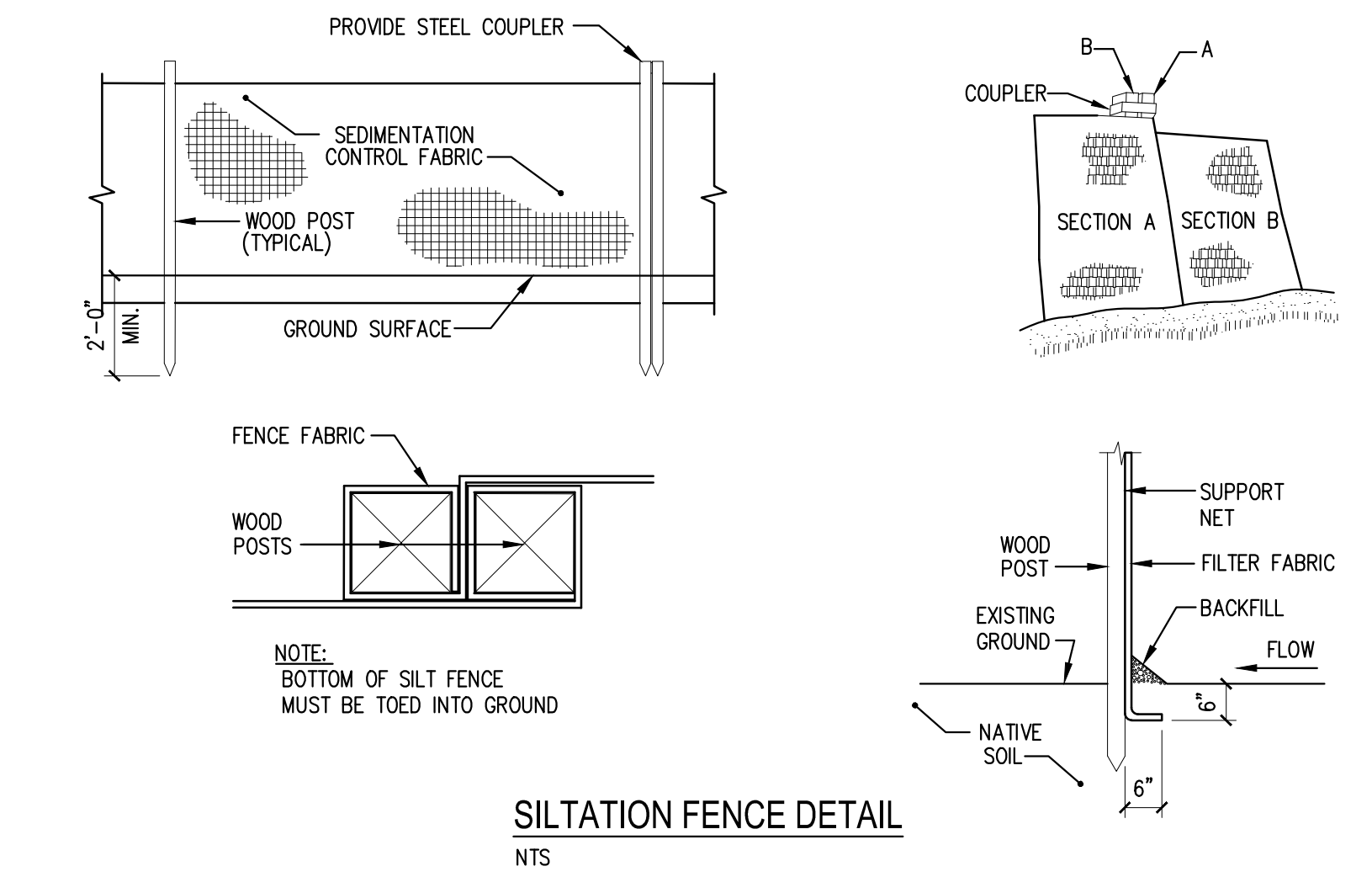
MAINTENANCE AFTER CONSTRUCTION

1. LONG-TERM PROVISIONS FOR PERMANENT MAINTENANCE OF ALL EROSION AND SEDIMENTATION CONTROL FACILITIES AFTER ACCEPTANCE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE OWNER OR THEIR DESIGNEE. SUCH RESPONSIBILITIES INCLUDE BUT ARE NOT LIMITED TO THOSE DETAILED AS FOLLOWS:
- A. PARKING LOT SHALL BE MECHANICALLY SWEEPED TWICE PER YEAR. THE FIRST SHALL TAKE PLACE IN THE MID WINTER (JANUARY THAW) TO REMOVE ACCUMULATED SANDS FROM WINTER SANDING TO THIS POINT. THE SECOND SWEEPING SHALL TAKE PLACE AFTER WINTER SANDING OPERATIONS TERMINATE BUT PRIOR TO MAY 1.
- B. INSPECTION OF STORMWATER OUTLET STRUCTURE SHOULD BE CONDUCTED TWICE PER YEAR. ACCESS TO THE STRUCTURE IS THROUGH THE TOP. THE OIL/WATER SEPARATOR UNIT SHALL BE PUMPED DOWN AND THE SEDIMENT AND TRASH SHALL BE REMOVED AT THE TIME OF THE INSPECTION. THE REMOVAL OF ALL SEDIMENT AND TRASH WILL HELP MINIMIZE VOLUME LOSS.
2. THE OWNER SHALL FILE A YEARLY MAINTENANCE REPORT TO THE CITY DOCUMENTING THE REQUIRED MAINTENANCE FOR THE STORMWATER SYSTEM.



EROSION CONTROL BLANKET
REQUIRED IN ALL DITCHES > 3%

NOTE: GRADING PLAN GOVERNS IN ALL LOCATIONS



EROSION CONTROL DETAILS

SCALE: NTS

PRELIMINARY
NOT FOR CONSTRUCTION

ARCHITECT:
REED & CO. ARCHITECTURE
46 CUMBERLAND AVE
PORTLAND, ME 04101
207 871 5678

CIVIL & STRUCTURAL ENGINEER:
CASCO BAY ENGINEERING
424 FORE ST #3A
PORTLAND, ME 04101
207 842 2800

LANDSCAPE ARCHITECT:
LAND DESIGN SOLUTIONS
P.O. BOX 316
160 LONGWOODS ROAD
CUMBERLAND, ME 04021
207 939 1717

MECHANICAL ENGINEERS:
HOLBROOK ENGINEERING
52 HEATH RD
SACO, ME 04072
207 283 9127

ELECTRICAL ENGINEER:
BARTLETT DESIGN
842 WASHINGTON STREET
BATH, MAINE 04530
207 443 5447

INTERIOR DESIGNER:
COLE DESIGN
30 DRAKE LANE
KITTERY, ME 03904
207 653 0083

CONSTRUCTION MANAGER:
ZACHAU CONSTRUCTION INC.
1185 US ROUTE ONE
FREEPORT, ME 04032
207 865 9925

OWNER:
TOWN OF CAPE ELIZABETH
320 OCEAN HOUSE ROAD
CAPE ELIZABETH
MAINE, 04107

EXPANSION & RENOVATIONS TO
THOMAS MEMORIAL LIBRARY

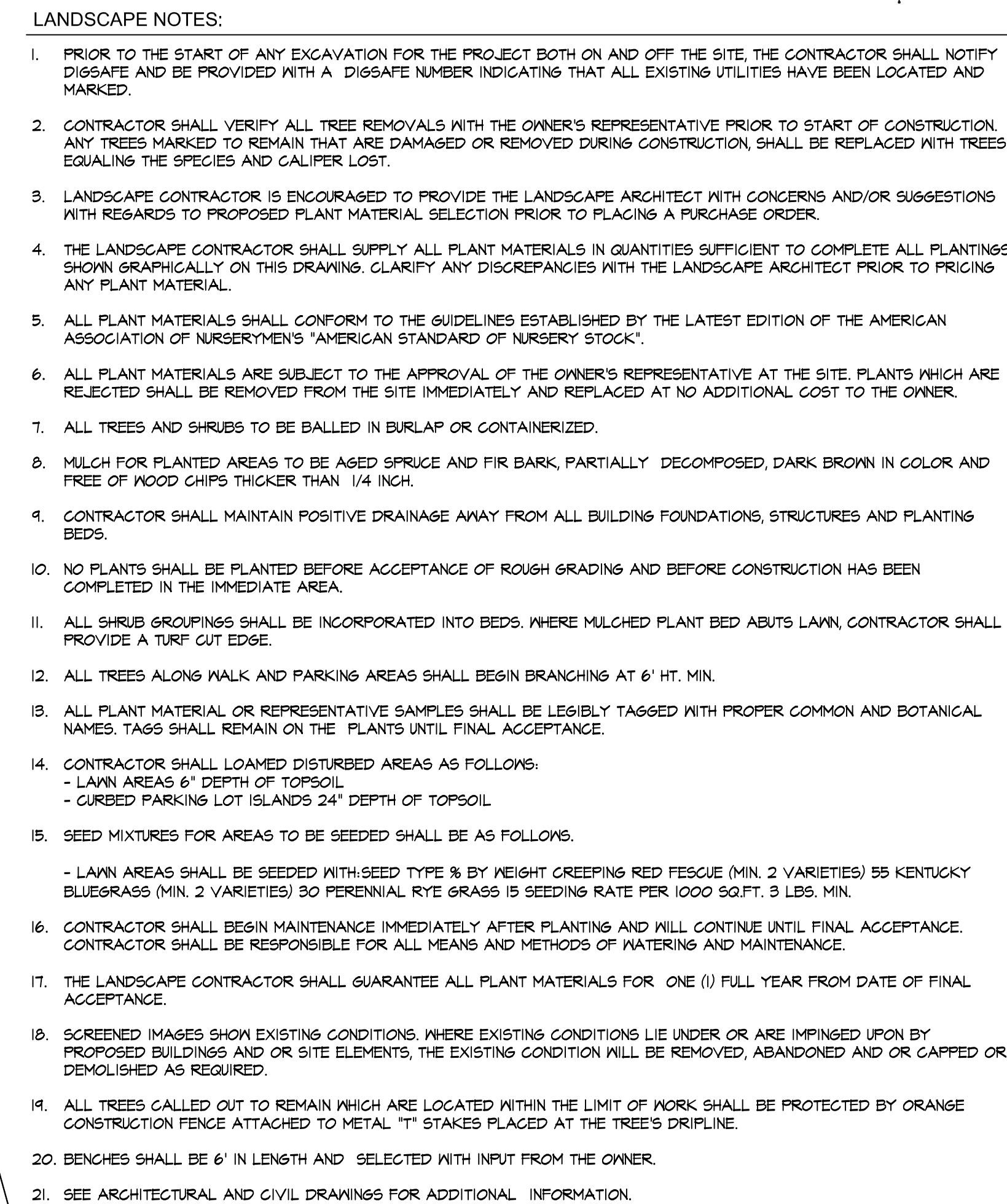
6 SCOTT DYER RD
CAPE ELIZABETH
MAINE, 04107

Title: **EROSION CONTROL DETAILS**

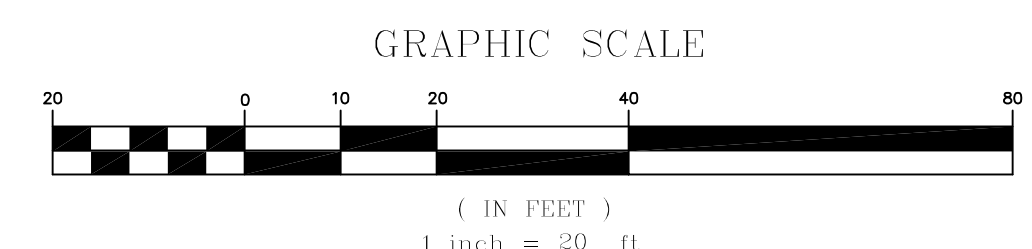
Sheet No.

C3.0

Scale:
Date:
Revised:

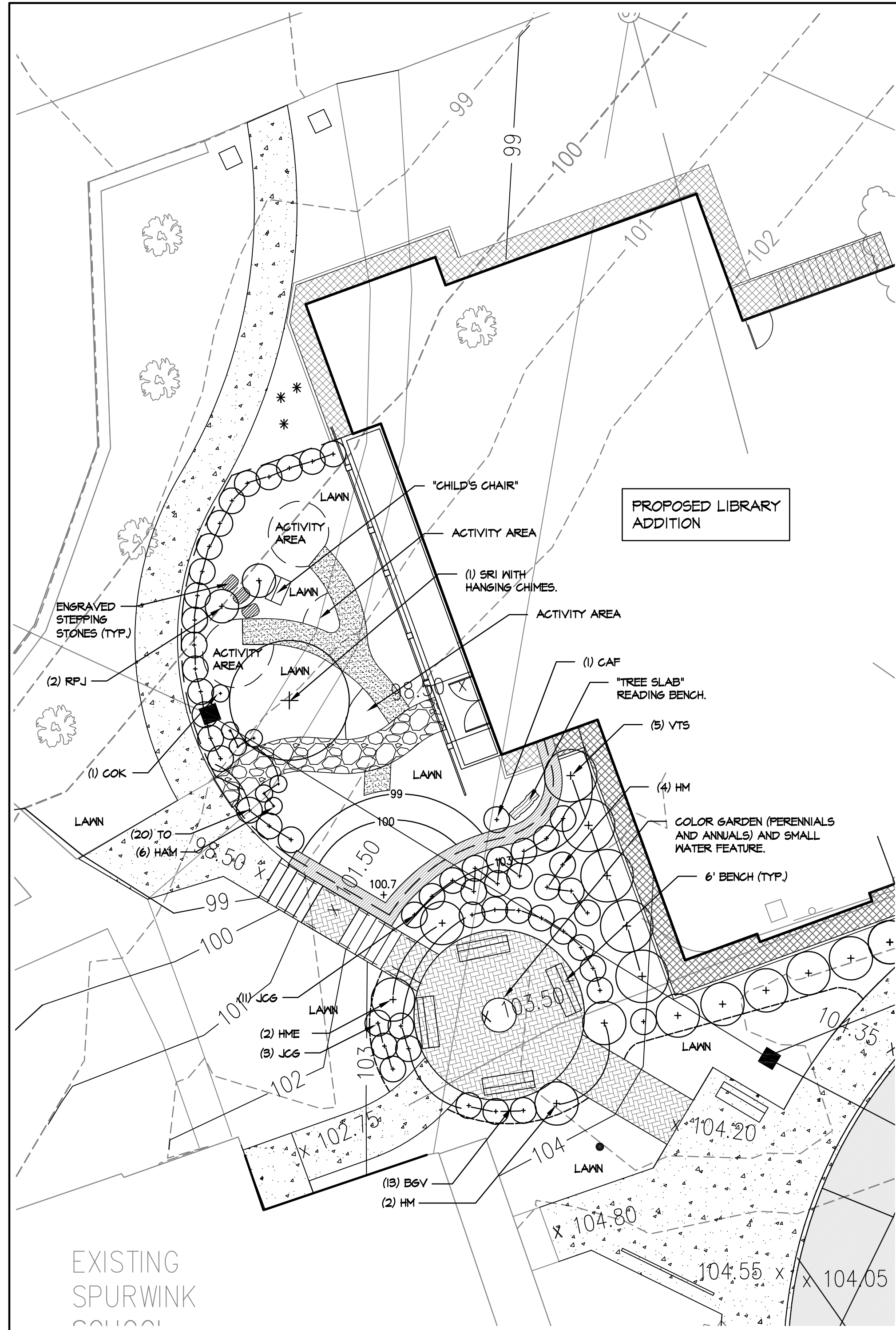


| PLANT LIST: | | | | | | |
|---|-----------------------------------|-------------------------------|-----|----------|--------------------|--|
| SYMBOL | BOTANICAL NAME | COMMON NAME | QTY | SIZE | COMMENTS | |
| DECIDUOUS TREES | | | | | | |
| AA | ACER X AUTUMN BLAZE' | AUTUMN BLAZE MAPLE | 4 | 3' CAL. | SINGLE LEADER, B&B | |
| | | | | | | |
| ORNAMENTAL TREES | | | | | | |
| CC | CARPINUS CAROLINIANA | AMERICAN HORNBEAM | 1 | 2' CAL. | SINGLE LEADER, B&B | |
| MA | MALUS ADIRONDACK | ADIRONDACK CRABAPPLE | 4 | 2' CAL. | SINGLE LEADER, B&B | |
| PA | PRUNUS X 'ACCOLADE' | ACCOLADE CHERRY | 2 | 15' CAL. | SINGLE LEADER, B&B | |
| SR | SYRINGA RETICULATA | JAPANESE TREE LILAC | 11 | 2' CAL. | SINGLE LEADER, B&B | |
| EVERGREEN TREES | | | | | | |
| PO | PICEA OMERIKA | SERBIAN SPRUCE | 11 | 8' HT. | FULL & BUSHY, B&B | |
| | | | | | | |
| SHRUBS, GROUNDCOVERS & HERBACEOUS MATERIALS | | | | | | |
| CA | CROCUS ASSORTMENT | CROCUS ASSORTMENT | 40 | TOP SIZE | PLANT IN FALL | |
| HM | HYDRANGEA M. MINI PENNY' | MINI PENNY' HYDRANGEA | 7 | 5 GAL. | FULL & BUSHY | |
| HME | HYDRANGEA M. 'ENDLESS SUMMER' | ENDLESS SUMMER HYDRANGEA | 3 | 5 GAL. | FULL & BUSHY | |
| HR | HEMEROCALLIS 'ROSY RETURNS' | ROSY RETURNS' DAYLILY | 30 | 1 GAL. | - | |
| JCS | JUNIPERUS CHINENSIS 'SARGENTI' | SARGENT CHINESE JUNIPER | 25 | 24" SPD. | FULL & BUSHY | |
| JCG | JUNIPERUS CHINENSIS 'CASION GOLD' | CASINO GOLD CHINESE JUNIPER | 9 | 24" SPD. | FULL & BUSHY | |
| PBB | PIERIS BROWNER'S BEAUTY | BROWNER'S BEAUTY PIERIS | 2 | 30" HT. | FULL & BUSHY | |
| RPB | RHODODENDRON PURPLE GEM | PURPLE GEM RHODODENDRON | 5 | 18" HT. | FULL & BUSHY | |
| RPJ | RHODODENDRON FUM 'COMPACT FORM' | COMPACT FUM RHODODENDRON | 6 | 24" HT. | FULL & BUSHY | |
| SP | SYRINGA PATULA 'MISS KIM' | MISS KIM KOREAN LILAC | 12 | 6' HT. | FULL & BUSHY | |
| VS | VIBURNUM T. 'SNOWFLAKE' | SNOWFLAKE DOUBLEFILE VIBURNUM | 8 | 30" HT. | FULL & BUSHY | |



OWNER / APPLICANT: TOWN OF CAPE ELIZABETH
320 OCEAN HOUSE ROAD
CAPE ELIZABETH, ME 04107

[illegible]



STONE DRIP EDGE WITH COBBLESTONE EDGING (TYP.)

BIRD HOUSE (TYP.)

3' HT. ALUMINUM FENCE - SEE NOTES.

3' WIDE STONE DUST PATH (TYP.)

ACTIVITY AREA.

INSTALL DECORATIVE GRATE ON CB STRUCTURE.

ACTIVITY AREA.

4' WIDE FIELD STONE PATH.

5'x6' WIDE CONCRETE DOOR PAD - SEE STRUCTURAL DWGS.

3' WIDE STONE DUST PATH (TYP.)

STONE DRIP EDGE WITH COBBLESTONE EDGING (TYP.)

STONE RETAINING WALL WITH 1' HT. FENCE ON TOP.

5' WIDE BRICK PAVER WALK.

3' HT. BLACK ALUMINUM FENCE (TYP.) - SEE NOTES.

3' DECORATIVE IRON GATE.

GRANITE STEPS & HANDRAILS

BRICK PAVER LANDING

GRANITE STEPS & HANDRAILS

BRICK PAVER LANDING

GRASSY KNOLL 100.7

100

103

PLANT BED

R10.00'

LAWN

BRICK PAVEMENT PATIO.

EXISTING SPURWINK SCHOOL

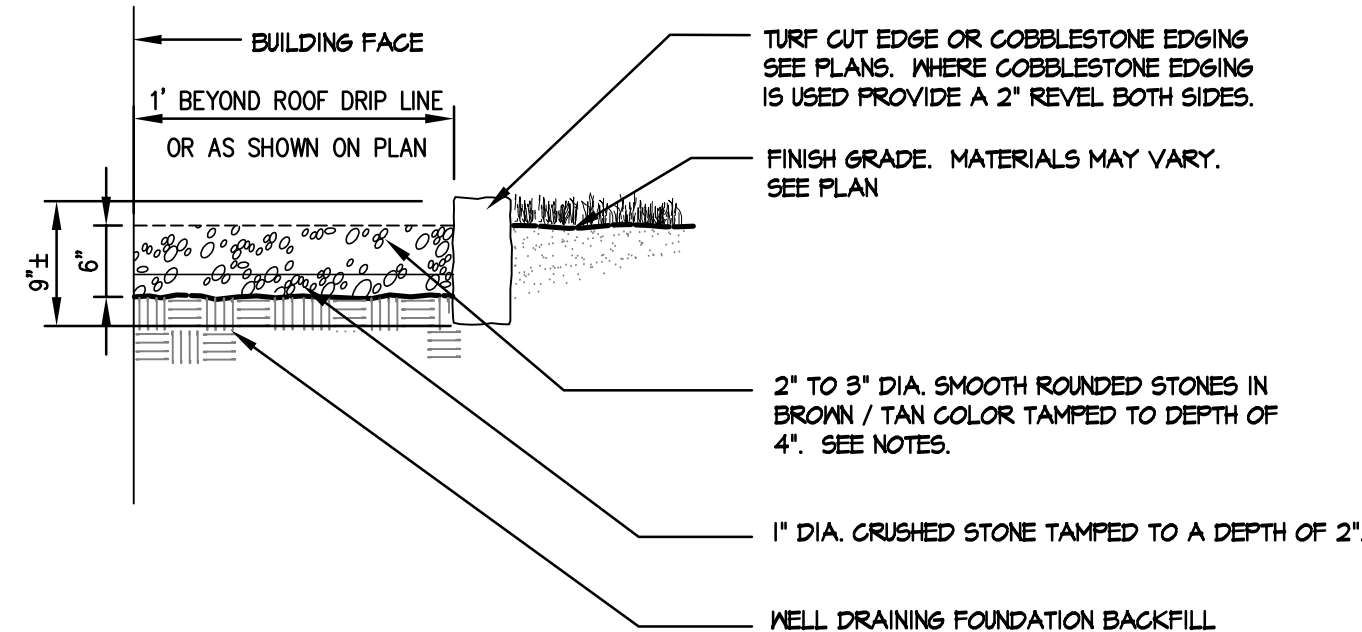
PROPOSED LIBRARY ADDITION

| | | | |
|------------------|--|------|------|
| DESIGN: PBB | THOMAS MEMORIAL LIBRARY 6 SCOTT DYER ROAD, CAPE ELIZABETH, MAINE | | |
| DRAWN: DEPT. | | | |
| CHKD: PBB | FAMILY DISCOVERY SPACE ENLARGEMENTS PLAN | | |
| | | | |
| DATE: MARCH 2014 | PROJ. NO. | — | REV. |
| SCALE: 1"=10' | DWG. NO. | L1.2 | B |

-
- PLANT BED/LAWN
- EXTEND BASE 6" FAST BRICK PAVERS
- ABUT PLANT BEDS OR LAWN ATTACH AS PER MANUFACTURER'S RECOMMENDATION OR AS APPROVED BY THE OWNER'S REPRESENTATIVE.
- BRICK PAVER
- HAND TIGHT BUTT JOINT ALL SIDES OF UNIT PAVER. SHEEP JOINTS WITH POLYMERIC SAND FILLER. REPEATEDLY UNTIL FLUSH WITH SURFACE.
- 1" SAND SETTING BED. ONLY CONCRETE SO CONFORMING TO ASTM C39 SHALL BE USED.
- 6" COMPACTED CRUSHED AGGREGATE BASE. GRAVEL SHALL CONFORM TO M.D.O.T. 103.06 TYPE A.
- 8" COMPACTED AGGREGATE BASE. GRAVEL SHALL CONFORM TO M.D.O.T. 103.06 TYPE D.
- EXISTING SUBGRADE MATERIAL (CUT) OR COMPACTED GRANULAR (FILL).
- TYPICAL PAVER SECTION

NOTES:

1. COBBLESTONES TO BE THE STANDARD (4x5x5) GRAY COBBLESTONE AS DISTRIBUTED BY SIMENSON GRANITE OR APPROVED EQUIVALENT.
2. CONTRACTOR TO PROVIDE SAMPLE OF SMOOTH ROUNDED 2'-3" STONE FOR DRIP EDGE TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PURCHASING.



NOTES:

1. FLAGSTONE TO BE 'OLD CHESTER' GRANITE FLAGGINGS AS DISTRIBUTED BY SHENSON GRANITE COMPANY OF NESTERPOOK MAINE. PROPOSED FLAGSTONE ORDER TO BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PURCHASE AND INSTALLATION.
2. INSTALL GRAVEL BASE IN 3" MAXIMUM LIFTS AND COMPACT TO 95%.
3. POLYMERIC SAND TO BE GATOR XP SAND BY ALLIANCE DESIGNER PRODUCTS AS DISTRIBUTED BY GENEST CONCRETE PRODUCTS OR APPROVED EQUIVALENT.

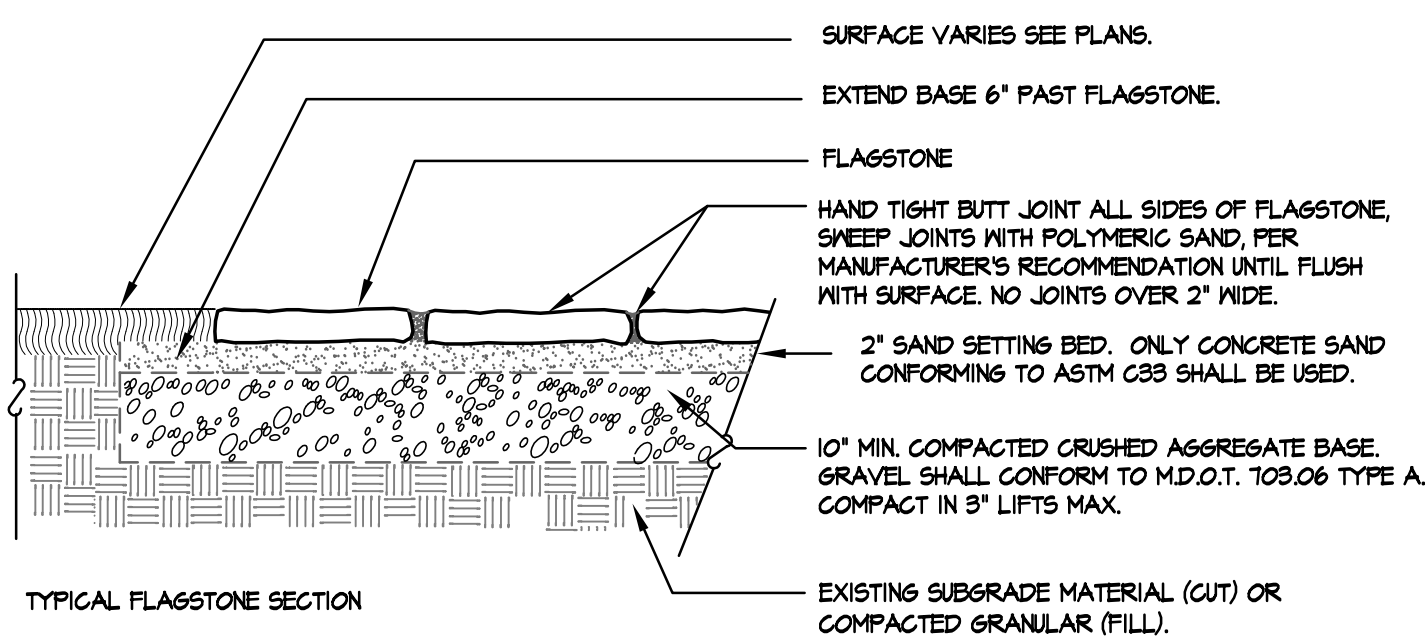
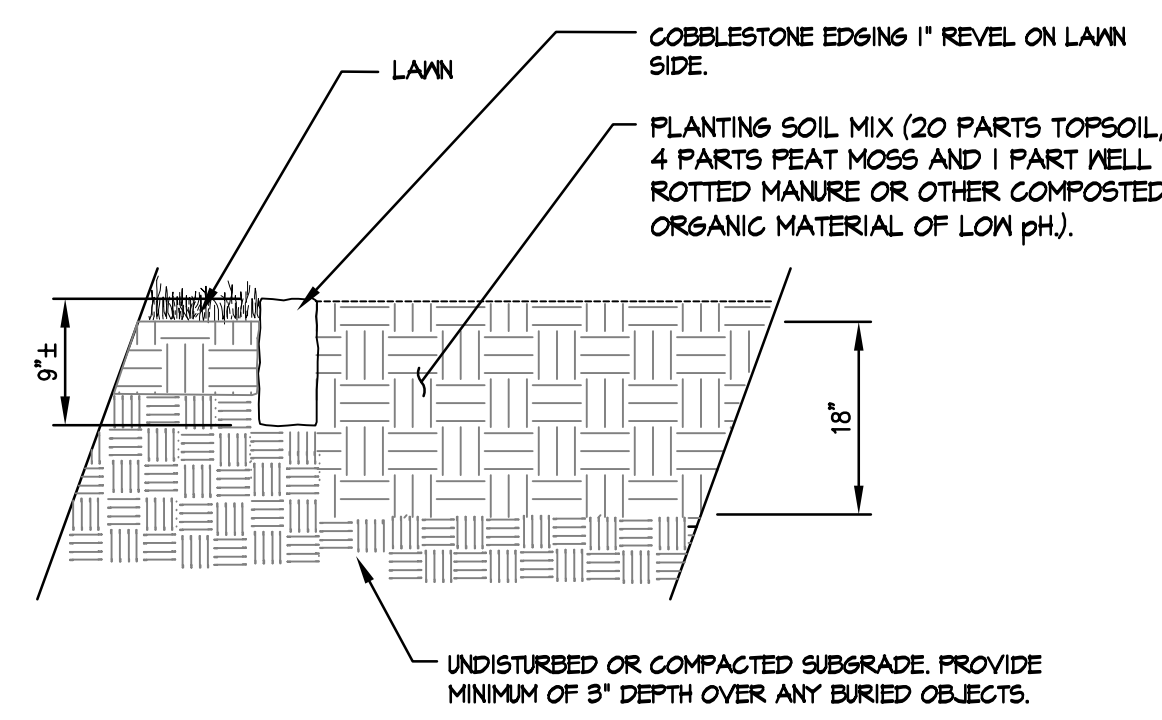


Diagram illustrating the side view of a masonry wall construction. The wall is built using stones, showing a good one over two stone placement. A 1' section of black Jerith aluminum Windsor fence is attached to the wall. The finished grade is indicated.

- NOTES:
1. COBBLESTONES TO BE THE STANDARD (9x5x5) GRAY COBBLESTONE AS DISTRIBUTED BY SWENSON GRANITE OR APPROVED EQUIVALENT.



NOTE: WHEN PLANTING CONTAINER GROWN PLANTS-REMOVE THE BALL FROM THE CONTAINER AND LOOSEN THE OUTSIDE LAYER OF THE ROOT SYSTEM BY SCORING WITH A CLEAN KNIFE. DIVIDE ALL GIRDLING ROOTS.

9" BARK MULCH IN SAUCER

PLANT SAUCER 4" CONTINUOUS NO SAUCER WHERE SHRUBS OCCUR IN BEDS

FINISH GRADE - TOP OF ROOT BALL TO BE EQUAL TO OR 1-2" ABOVE FINISH GRADE.

CUT AND REMOVE BURLAP FROM TOP ROOTBALL.

PLANTING SOIL MIX (20 PARTS TOPSOIL, 4 PARTS PEAT MOSS AND 1 PART WELL ROTTED MANURE OR OTHER COMPOSTED ORGANIC MATERIAL OF LOW PH); BACKFILL IN LOOSE LIFTS OF 6"-8" DEPTH. SETTLE WITH THOROUGH WATER SOAKING.

HOLE TO BE AS DEEP AS THE ROOT BALL (NO DEEPER).

UNDISTURBED OR TAMPED SUBGRADE

6" MIN.

Diagram illustrating the correct method for planting a tree, showing the root ball, trunk, and surrounding soil/mulch. The diagram includes a cross-section of the root ball and trunk, with callouts indicating the following steps:

- 1. STAKE ONLY TREES WITH SANDY OR CLAYEY ROOTBALLS. WHEN REQUIRED STAKING SHALL CONFORM TO THE LATEST GUIDELINES FROM THE INTERNATIONAL SOCIETY OF ARBORICULTURE.
- 2. DO NOT CUT MAIN LEADER.
- PLACE ROOT BALL SO TOP OF ROOTBALL IS 1" ABOVE "FINISHED GRADE" DO NOT COVER TRUNK FLARE WITH SOIL.
- 3" SHREDDED BARK MULCH IN SAUCER. KEEP MULCH 8" AWAY FROM TRUNK. 3" HIGH EARTH SAUCER BEYOND EDGE OF ROOT BALL.
- CUT & REMOVE BURLAP AND WIRE FROM TOP 2/3 OF ROOTBALL. FOLD REMAINING BURLAP & WIRE DOWN INTO PLANT PIT. IF BURLAP IS SYNTHETIC REMOVE COMPLETELY.
- PLANTING SOIL MIX (20 PARTS TOPSOIL, 4 PARTS PEAT MOSS AND 1 PART WELL ROTTED MANURE OR OTHER COMPOSTED ORGANIC MATERIAL OF LOW pH); BACKFILL IN LOOSE LIFTS OF 6"-8" DEPTH. SETTLE WITH THOROUGH WATERING.
- PLACE ROOTBALL ON UNEXCAVATED OR TAMPED SOIL.

1. FINISH GRADE- TOP OF ROOT BALL TO BE 1" ABOVE ADJACENT FINISH GRADE. DO COVER TRUNK FLARE WITH SOIL.

2. 3" BARK MULCH IN SAUCER. KEEP MULCH 8" AWAY FROM TRUNK. NO SAUCER WHERE TREES OCCUR IN BEDS.

3. CUT AND REMOVE WIRE & BURLAP FROM TOP 2/3 OF ROOTBALL, FOLD DOWN REMAINING 1/3 INTO PLANT PIT. IF BURLAP IS SYNTHETIC REMOVE COMPLETELY.

4. BACKFILL WITH NATIVE SOIL OR WHEN PLANTING IN DISTURBED CONSTRUCTION AREAS WHERE NATIVE SOIL HAS BEEN REMOVED PROVIDE PLANTING SOIL MIX (20 PARTS TOPSOIL, 4 PARTS PEAT MOSS AND 1 PART WELL ROTTED MANURE OR OTHER COMPOSTED ORGANIC MATERIAL OF LOW pH). BACKFILL IN LOOSE LIFTS OF 6"-8" DEPTH. TAMP AND SETTLE WITH THOROUGH WATER SOAKING.

5. PLACE ROOTBALL ON UNEXCAVATED OR TAMPED SOIL.

6. MIN.

OWNER / APPLICANT: TOWN OF CAPE ELIZABETH
320 OCEAN HOUSE ROAD
CAPE ELIZABETH, ME 04107

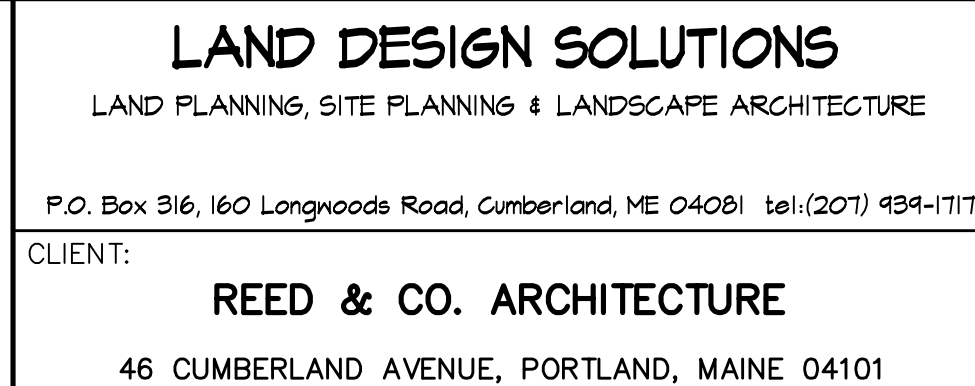
Drawing Name: C:\Users\pffr88\OneDrive\Documents\Drawings\21 Landscapes Details | Plot Date / Time: May 29 14 / 10:45 AM

- (1) HANDRAILS SHALL BE PROVIDED ALONG BOTH SIDES OF STAIRS SEGMENTS.
- (2) TOP OF HANDRAIL GRIPPING SURFACES SHALL BE MOUNTED BETWEEN 34 IN AND 38 IN (865 MM AND 965 MM) ABOVE STAIR TREAD SURFACES.
- (3) ENDS OF HANDRAILS SHALL BE EITHER ROUNDED OR RETURNED SMOOTHLY TO FLOOR, WALL, OR POST.
- (4) HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

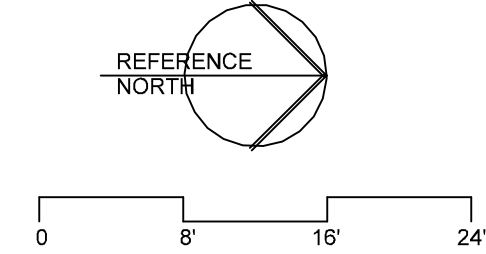
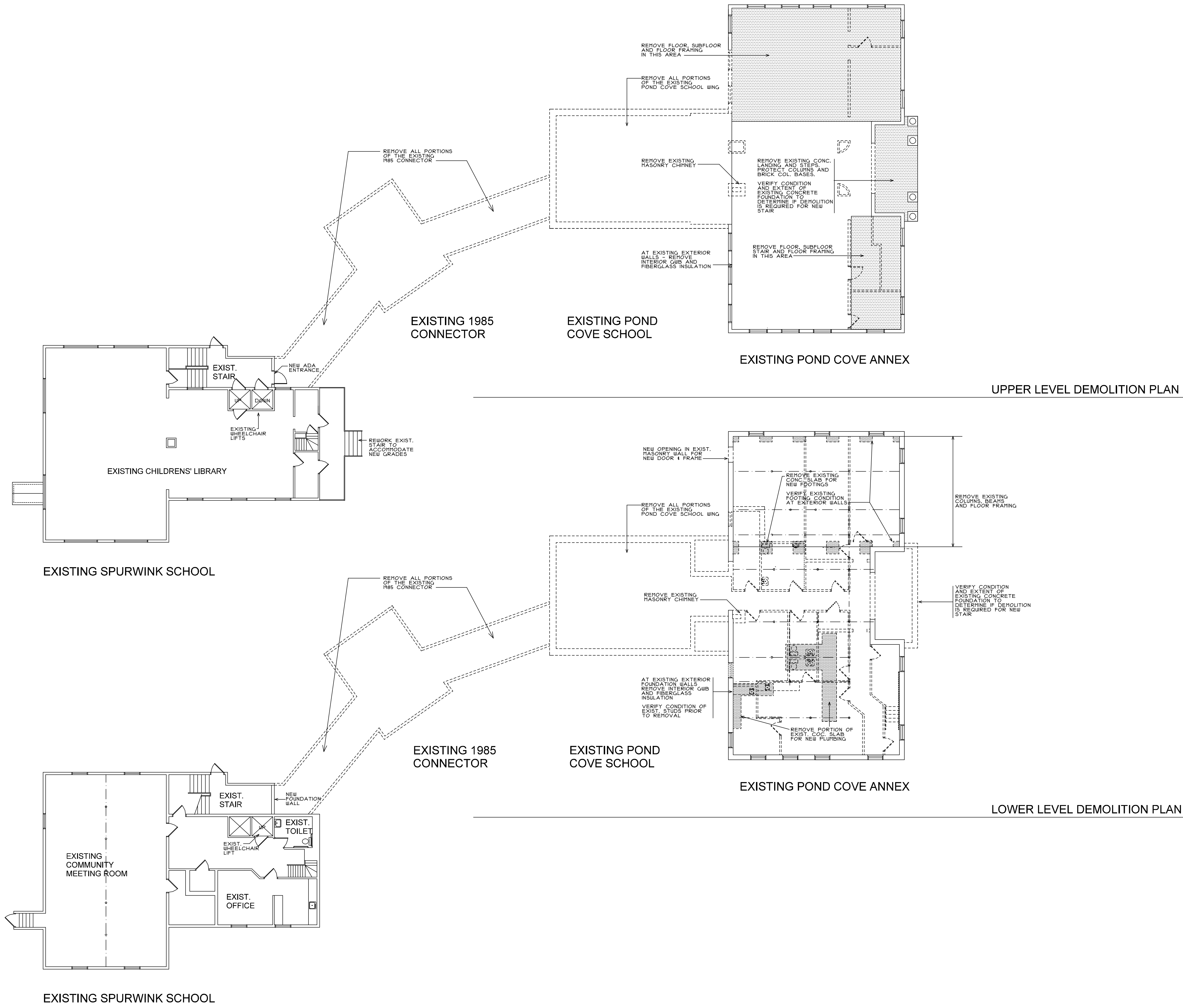


NOTES:

1. FENCE TO BE THE 3' HIGH ALUMINUM FENCE, BLACK WINDSOR FENCE AS MANUFACTURED BY JERITH MANUFACTURING COMPANY.
2. FENCE TO BE SET PLUMB.
3. CONTRACTOR TO PROVIDE LANDSCAPE ARCHITECT WITH SHOP DRAWINGS OF POST LOCATIONS AND TRANSITION TO CONNECTION WITH STONEWALL FENCE SECTION.
4. FENCE FINISH TO BE A POLYESTER POWDER-COAT SYSTEM APPLIED BY THE MANUFACTURER.
5. FENCE TO HAVE A LIFETIME WARRANTY AGAINST RUST AND DEFECTS, PAINT CRACKING, BLISTERING, CHIPPING AND PEELING.
6. CONTRACTOR TO PROVIDE HEAVY DUTY HARDWARE FOR GATE AND GATE LOCKING DEVICE APPROVED BY THE OWNER.
7. FENCE FASTENERS TO BE STAINLESS STEEL.

[illegible]

| | | | |
|------------------|--|------|------|
| DESIGN: PBB | THOMAS MEMORIAL LIBRARY 6 SCOTT DYER ROAD, CAPE ELIZABETH, MAINE | | |
| DRAWN: DEPT. | | | |
| CHKD: PBB | LANDSCAPE DETAILS | | |
| | | | |
| DATE: MARCH 2014 | PROJ. NO. | | REV. |
| SCALE: AS NOTED | DWG. NO. | L2.2 | B |



ARCHITECT:
REED & CO. ARCHITECTURE
46 CUMBERLAND AVE
PORTLAND, ME 04101
207 871 5678

CIVIL & STRUCTURAL ENGINEER:
CASCO BAY ENGINEERING
424 FORE ST #3A
PORTLAND, ME 04101
207 842 2800

LANDSCAPE ARCHITECT:
LAND DESIGN SOLUTIONS
P.O. BOX 316
160 LONGWOODS ROAD
CUMBERLAND, ME 04021
207 939 1717

MECHANICAL ENGINEERS:
HOLBROOK ENGINEERING
52 HEATH RD
SACO, ME 04072
207 283 9127

ELECTRICAL ENGINEER:
BARTLETT DESIGN
842 WASHINGTON STREET
BATH, MAINE 04530
207 443 5447

INTERIOR DESIGNER:
COLE DESIGN
30 DRAKE LANE
KITTERY, ME 03904
207 653 0083

CONSTRUCTION MANAGER:
ZACHAU CONSTRUCTION INC.
1185 US ROUTE ONE
FREEPORT, ME 04032
207 865 9925

PROJECT OWNER:
TOWN OF CAPE ELIZABETH, MAINE

EXPANSION & RENOVATIONS TO
THOMAS MEMORIAL LIBRARY

6 SCOTT DYER RD
CAPE ELIZABETH
MAINE, 04107

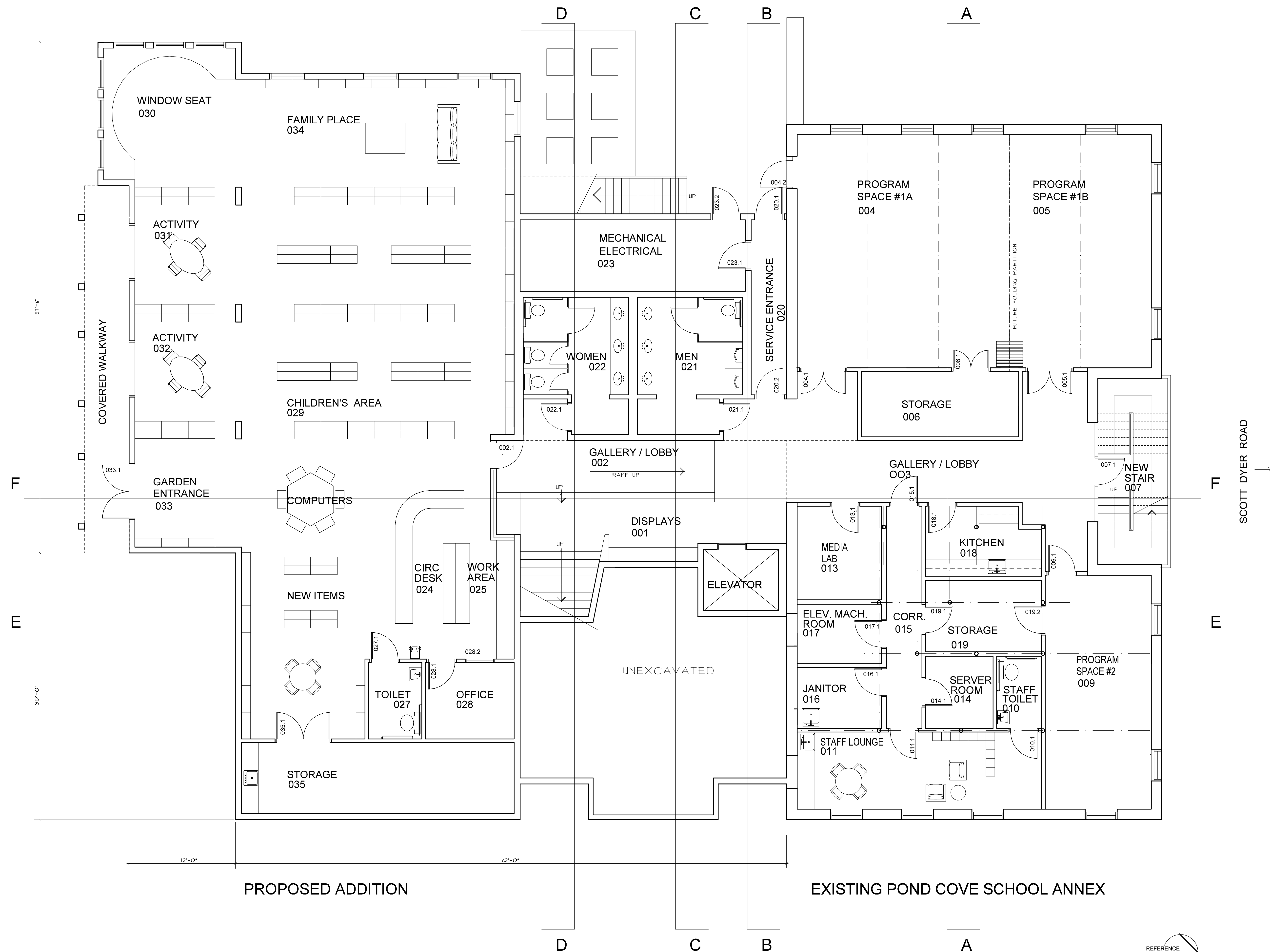
Title: **DEMOLITION PLANS**

Sheet No.

D1.0

Scale:
Date:
Revised:

5-29-2014



ARCHITECT:
REED & CO. ARCHITECTURE
46 CUMBERLAND AVE
PORTLAND, ME 04101
207 871 5678

CIVIL & STRUCTURAL ENGINEER:
CASCO BAY ENGINEERING
424 FORE ST #3A
PORTLAND, ME 04101
207 842 2800

LANDSCAPE ARCHITECT:
LAND DESIGN SOLUTIONS
P.O. BOX 316
160 LONGWOODS ROAD
CUMBERLAND, ME 04021
207 939 1717

MECHANICAL ENGINEERS:
HOLBROOK ENGINEERING
92 HEATH RD
SACO, ME 04072
207 283 9127

ELECTRICAL ENGINEER:
BARTLETT DESIGN
942 WASHINGTON STREET
BATH, MAINE 04530
207 443 5447

INTERIOR DESIGNER:
COLE DESIGN
30 DRAKE LANE
KITTEERY, ME 03904
207 653 0083

CONSTRUCTION MANAGER:
ZACHAU CONSTRUCTION INC.
1185 US ROUTE ONE
FREEPORT, ME 04032
207 865 9925

PROJECT OWNER:
TOWN OF CAPE ELIZABETH, MAINE

EXPANSION & RENOVATIONS TO
THOMAS MEMORIAL LIBRARY

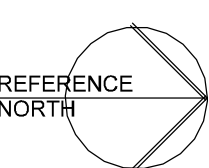
6 SCOTT DYER RD
CAPE ELIZABETH
MAINE, 04107

Title: **LOWER LEVEL FLOOR PLAN**

Sheet No.

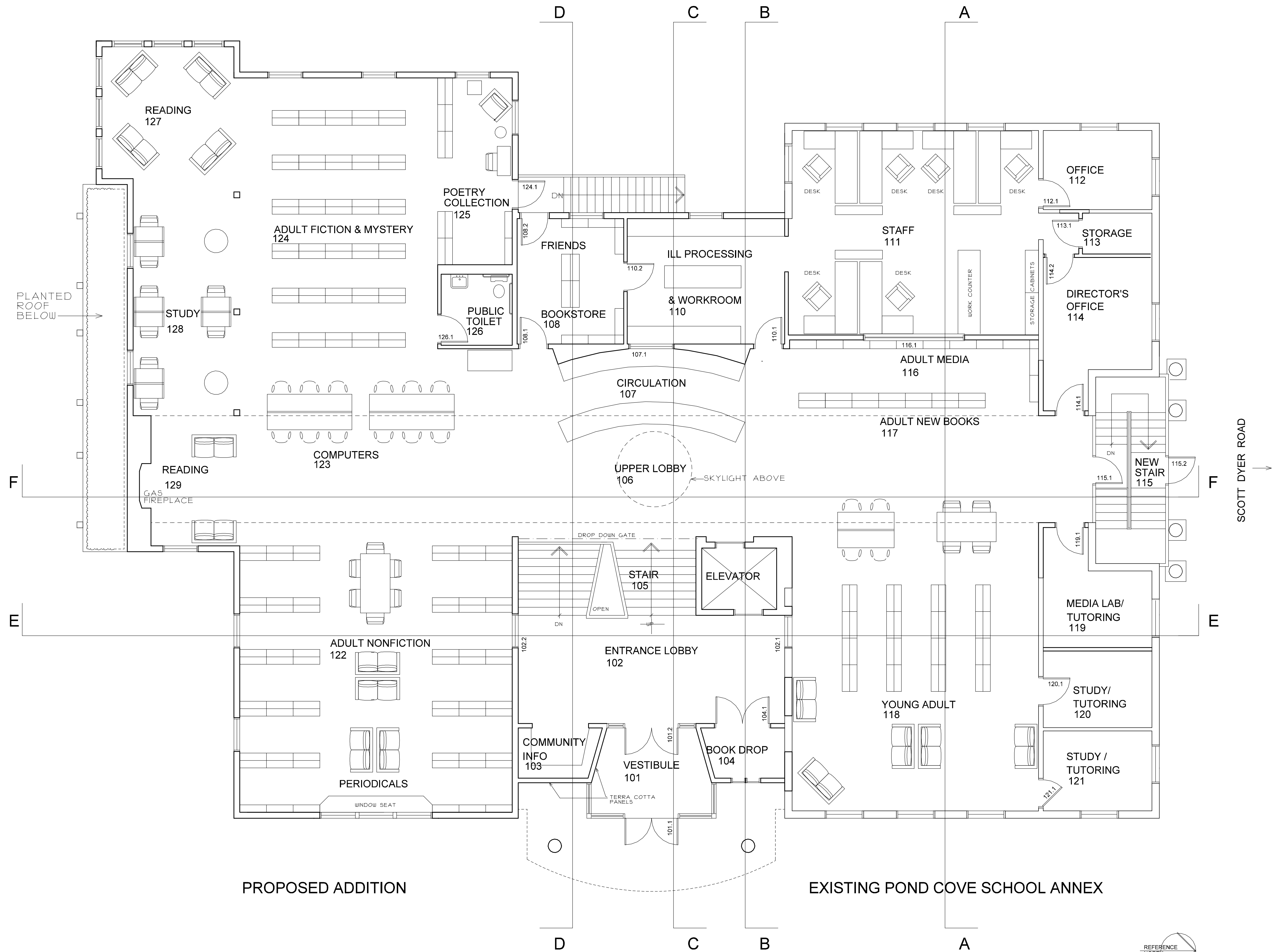
A1.0

Scale:
Date:
Revised:



0 4 8 12

5-29-2014



ARCHITECT:
REED & CO. ARCHITECTURE
46 CUMBERLAND AVE
PORTLAND, ME 04101
207 871 5678

CIVIL & STRUCTURAL ENGINEER:
CASCO BAY ENGINEERING
424 FORE ST #3A
PORTLAND, ME 04101
207 842 2800

LANDSCAPE ARCHITECT:
LAND DESIGN SOLUTIONS
P.O. BOX 316
160 LONGWOODS ROAD
CUMBERLAND, ME 04021
207 939 1717

MECHANICAL ENGINEERS:
HOLBROOK ENGINEERING
92 HEATH RD
SACO, ME 04072
207 283 9127

ELECTRICAL ENGINEER:
BARTLETT DESIGN
942 WASHINGTON STREET
BATH, MAINE 04530
207 443 5447

INTERIOR DESIGNER:
COLE DESIGN
30 DRAKE LANE
KITTEERY, ME 03904
207 653 0083

CONSTRUCTION MANAGER:
ZACHAU CONSTRUCTION INC.
1185 US ROUTE ONE
FREEPORT, ME 04032
207 865 9925

PROJECT OWNER:
TOWN OF CAPE ELIZABETH, MAINE

EXPANSION & RENOVATIONS TO
THOMAS MEMORIAL LIBRARY

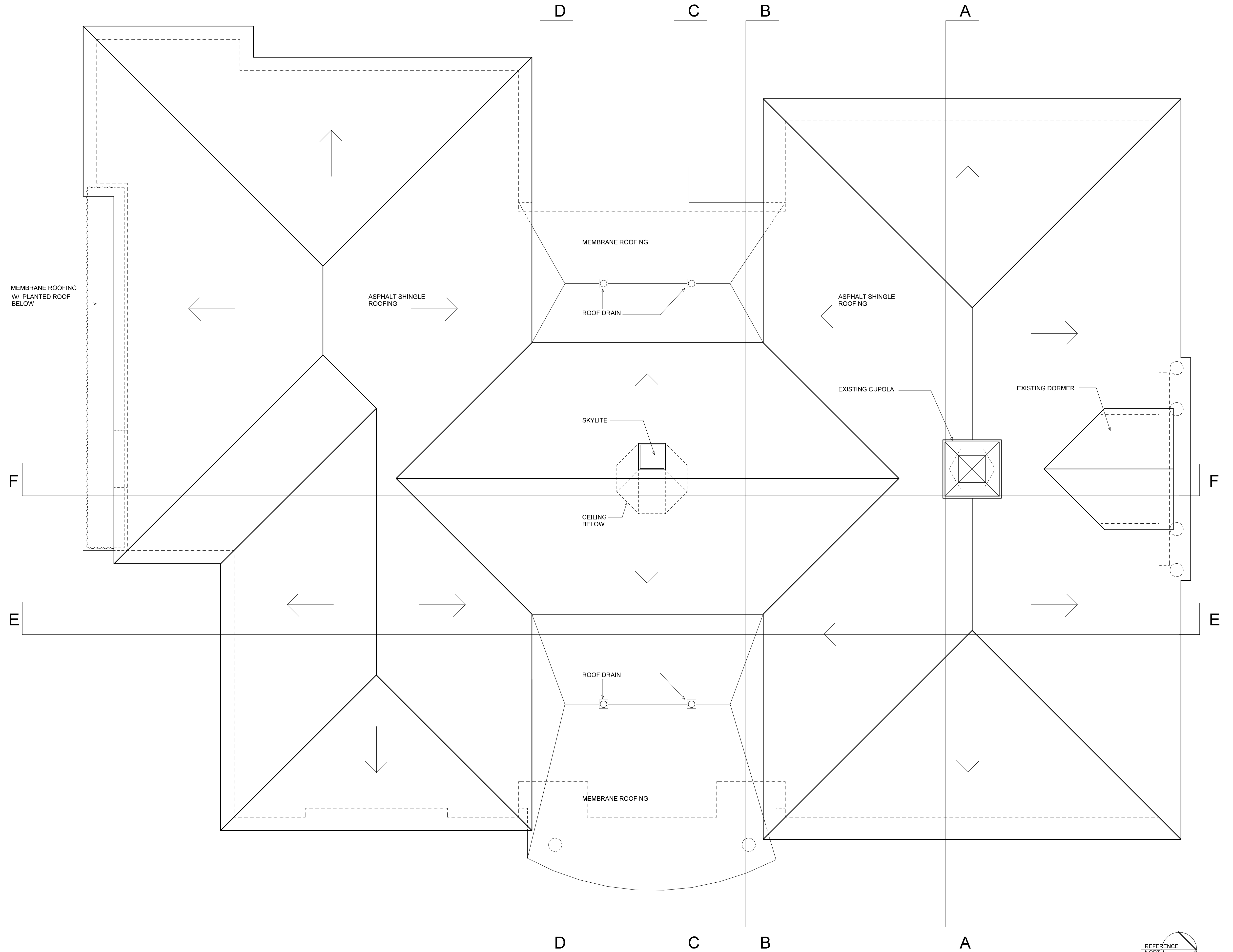
6 SCOTT DYER RD
CAPE ELIZABETH
MAINE, 04107

Title: **UPPER LEVEL FLOOR PLAN**
Sheet No.

A1.1

Scale:
Date:
Revised:

5-29-14



ARCHITECT:
REED & CO. ARCHITECTURE
46 CUMBERLAND AVE
PORTLAND, ME 04101
207 871 5678

CIVIL & STRUCTURAL ENGINEER:
CASCO BAY ENGINEERING
424 FORE ST #3A
PORTLAND, ME 04101
207 842 2800

LANDSCAPE ARCHITECT:
LAND DESIGN SOLUTIONS
P.O. BOX 316
160 LONGWOODS ROAD
CUMBERLAND, ME 04021
207 939 1717

MECHANICAL ENGINEERS:
HOLBROOK ENGINEERING
92 HEATH RD
SACO, ME 04072
207 283 9127

ELECTRICAL ENGINEER:
BARTLETT DESIGN
942 WASHINGTON STREET
BATH, MAINE 04530
207 443 5447

INTERIOR DESIGNER:
COLE DESIGN
30 DRAKE LANE
KITTERY, ME 03904
207 653 0083

CONSTRUCTION MANAGER:
ZACHAU CONSTRUCTION INC.
1185 US ROUTE ONE
FREEPORT, ME 04032
207 865 9925

PROJECT OWNER:
**TOWN OF CAPE
ELIZABETH, MAINE**

EXPANSION & RENOVATIONS TO
**THOMAS
MEMORIAL
LIBRARY**

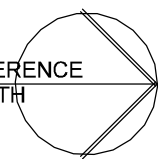
6 SCOTT DYER RD
CAPE ELIZABETH
MAINE, 04107

Title: **ROOF PLAN**

Sheet No.

A1.2

Scale:
Date:
Revised:



0 4 8 12

5-29-14



EAST

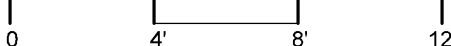


SOUTH

TYPICAL MATERIALS

- ROOF
ASPHALT ROOFING SHINGLES
- SIDING
CLAPBOARDS - WOOD OR FIBER CEMENT
TERRA COTTA PANELS AT ENTRANCES
- WINDOWS
METAL CLAD WOOD WINDOWS
- ENTRANCES
ALUMINUM
- FOUNDATION
BRICK

5-29-2014



ARCHITECT:
REED & CO. ARCHITECTURE
46 CUMBERLAND AVE
PORTLAND, ME 04101
207.871.5678
dreed@reedarchitecture.com

CIVIL & STRUCTURAL ENGINEER:
CASCO BAY ENGINEERING
424 FORE ST #3A
PORTLAND, ME 04101
207.842.2800

LANDSCAPE ARCHITECT:
LAND DESIGN SOLUTIONS
P.O. BOX 316
180 LONGWOODS ROAD
CUMBERLAND, ME 04021
207.939.1717

MECHANICAL ENGINEERS:
HOLBROOK ENGINEERING
52 HEATH RD
SACO, ME 04072
207.283.9127

ELECTRICAL ENGINEER:
BARTLETT DESIGN
942 WASHINGTON STREET
BATH, MAINE 04630
207.443.5447

INTERIOR DESIGNER:
COLE DESIGN
30 DRAKE LANE
KITTEERY, ME 03904
207.653.0083

CONSTRUCTION MANAGER:
ZACHAU CONSTRUCTION INC.
1185 US ROUTE ONE
FREEPORT, ME 04032
207.865.9925

PROJECT OWNER:
TOWN OF CAPE ELIZABETH, MAINE

EXPANSION & RENOVATIONS TO
THOMAS MEMORIAL LIBRARY

6 SCOTT DYER RD
CAPE ELIZABETH
MAINE, 04107

Title: **EAST & SOUTH
EXT. ELEVATIONS**

Sheet No.

A2.1

Scale:

Date:

Revised:



NORTH

TYPICAL MATERIALS

- ROOF
ASPHALT ROOFING SHINGLES
- SIDING
CLAPBOARDS - WOOD OR FIBER CEMENT
TERRA COTTA PANELS AT ENTRANCES
- WINDOWS
METAL CLAD WOOD WINDOWS
- ENTRANCES
ALUMINUM
- FOUNDATION
BRICK



WEST

5-29-2014
0 4' 8' 12'

ARCHITECT:
REED & CO. ARCHITECTURE
46 CUMBERLAND AVE
PORTLAND, ME 04101
207 871 8878
dreed@reedarchitecture.com

CIVIL & STRUCTURAL ENGINEER:
CASCO BAY ENGINEERING
424 FORE ST #3A
PORTLAND, ME 04101
207 842 2800

LANDSCAPE ARCHITECT:
LAND DESIGN SOLUTIONS
P.O. BOX 316
180 LONGWOODS ROAD
CUMBERLAND, ME 04021
207 939 1717

MECHANICAL ENGINEERS:
HOLBROOK ENGINEERING
52 HEATH RD
SACO, ME 04072
207 283 9127

ELECTRICAL ENGINEER:
BARTLETT DESIGN
942 WASHINGTON STREET
BATH, MAINE 04530
207 443 5447

INTERIOR DESIGNER:
COLE DESIGN
30 DRAKE LANE
KITTEERY, ME 03904
207 653 0083

CONSTRUCTION MANAGER:
ZACHAU CONSTRUCTION INC.
1185 US ROUTE ONE
FREETPORT, ME 04032
207 865 9825

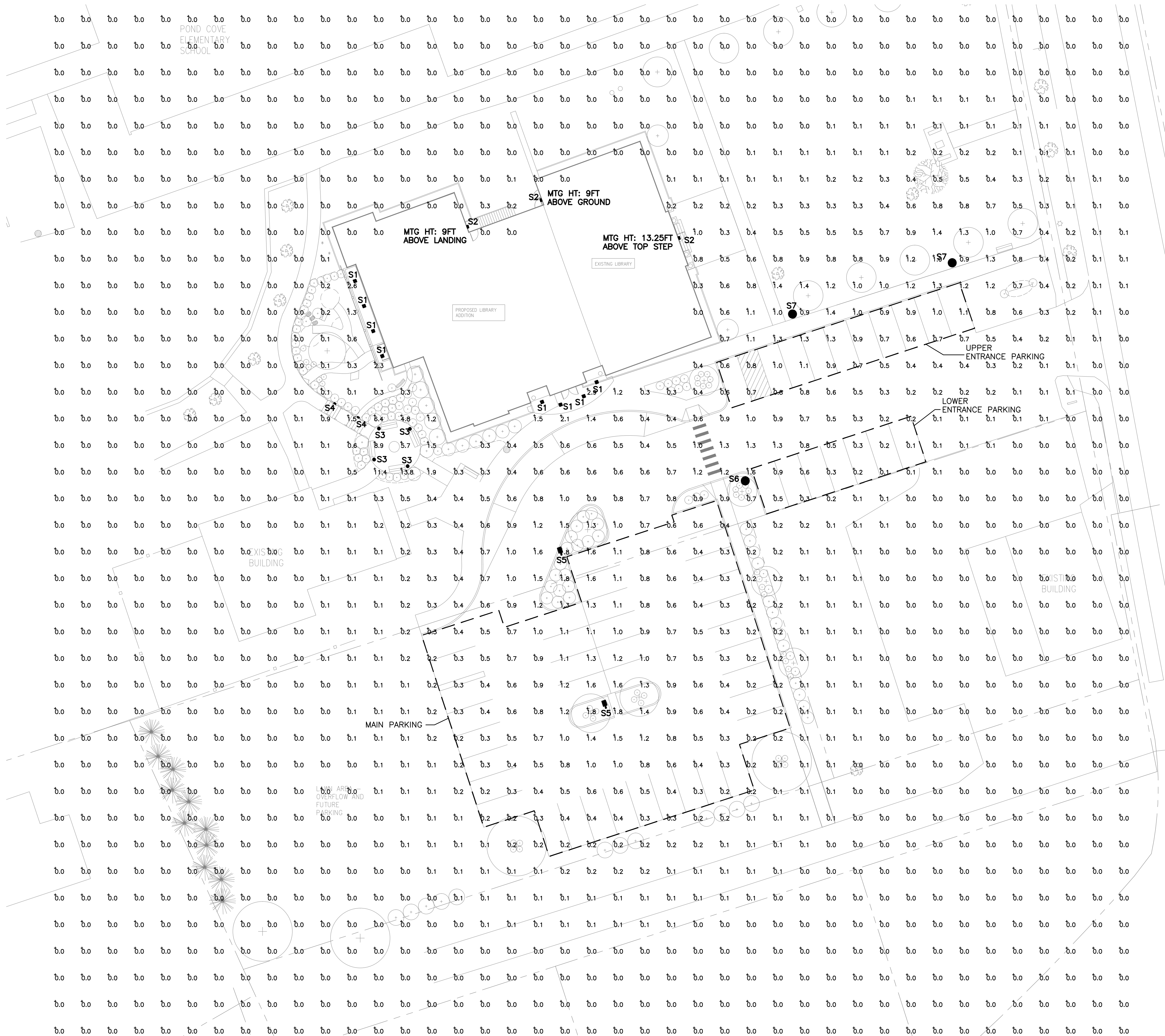
PROJECT OWNER:
**TOWN OF CAPE
ELIZABETH, MAINE**

EXPANSION & RENOVATIONS TO
**THOMAS
MEMORIAL
LIBRARY**

6 SCOTT DYER RD
CAPE ELIZABETH
MAINE, 04107

Title: **NORTH & WEST
EXT. ELEVATIONS**
Sheet No.

A2.2
Scale:
Date:
Revised:



- DRAWING NOTES:**
1. LIGHTING LEVELS REPRESENT INITIAL ILLUMINANCE LEVELS AT GRADE. LIGHT LOSS FACTOR USED IN CALCULATIONS: 1.0.
 2. LIGHTING STATISTICS:
LARGE PARKING: AVE 0.65 MAX 1.8 MIN 0.2 MAX/MIN 9.0:1
UPPER ENTRANCE PARKING: AVE 0.89 MAX 1.3 MIN 0.6 MAX/MIN 2.17:1
LOWER ENTRANCE PARKING: AVE 0.35 MAX 0.9 MIN 0.1 MAX/MIN 9.0:1
 3. LIGHTING FIXTURES:
TYPE S1
SURFACE CEILING MOUNTED 3K 7.6W LED LIGHT WITH PARTIALLY FROSTED GLASS LENS AND INTEGRAL DIMMING LED DRIVER. UL LISTED FOR WET LOCATIONS. FINISH: WHITE
BEGA #6056LED-WHT
TYPE S2
WALL MOUNTED 3K 12W LED LIGHT WITH TEMPERED ETCHED GLASS LENS AND INTEGRAL DIMMING LED DRIVER. UL LISTED FOR WET LOCATIONS. FINISH: WHITE
BEGA #2261LED-WHT
TYPE S3
3K 24.3W LED BOLLARD LIGHT WITH CLEAR GLASS LENS AND INTEGRAL DIMMING LED DRIVER. UL LISTED FOR WET LOCATIONS. FINISH: WHITE
BEGA #8563LED-WHT
TYPE S4
RECESSED 3K 6.5W LED STEP LIGHT WITH WIDE SPREAD BEAM, TEMPERED GLASS LENS WITH LINEAR SPREAD PATTERN AND AND INTEGRAL DIMMING LED DRIVER. UL LISTED FOR WET LOCATIONS. FINISH: WHITE
BEGA #2377LED-WHT
TYPE S5
POLE MOUNTED 4K LED AREA LIGHT WITH FOUR 7LED LIGHTBARS AND TYPE 5 SQUARE EXTRA WIDE DISTRIBUTION PATTERN. MOUNT ON A 20FT TALL SQUARE STRAIGHT ALUMINUM POLE. UL LISTED FOR WET LOCATIONS. FINISH: BLACK
MCGRAW EDISON: #TLM-C04-LED-E1-5XQ
TYPE S6
STANDARD TOWN LIGHT, POST TOP MOUNTED DECORATIVE 45K LED LIGHT WITH TYPE 3 DISTRIBUTION AND HOUSE SIDE SHIELD. MOUNT ON 12FT TALL STANDARD TOWN POLE. FINISH: BLACK
STERNBERG #11ALED-2A1R45T3-MH-HHS-BKT
TYPE S7
STANDARD TOWN LIGHT, POST TOP MOUNTED DECORATIVE 45K LED LIGHT WITH TYPE 5 DISTRIBUTION. MOUNT ON 12FT TALL STANDARD TOWN POLE. FINISH: BLACK
STERNBERG #11ALED-4A1R45T3-MH-BKT

ARCHITECT:
REED & CO. ARCHITECTURE
46 CUMBERLAND AVE
PORTLAND, ME 04101
207 871 5678

CIVIL & STRUCTURAL ENGINEER:
CASCO BAY ENGINEERING
424 FORE ST #3A
PORTLAND, ME 04101
207 842 2800

LANDSCAPE ARCHITECT:
LAND DESIGN SOLUTIONS
P.O. BOX 316
160 LONGWOODS ROAD
CUMBERLAND, ME 04021
207 939 1717

MECHANICAL ENGINEERS:
HOLBROOK ENGINEERING
52 HEATH RD
SACO, ME 04072
207 283 9127

ELECTRICAL ENGINEER:
BARTLETT DESIGN, INC
942 WASHINGTON STREET
BATH, MAINE 04530
207 443 5447

INTERIOR DESIGNER:
COLE DESIGN
30 DRAKE LANE
KITTERY, ME 03904
207 653 0083

CONSTRUCTION MANAGER:
ZACHAU CONSTRUCTION INC.
1185 US ROUTE ONE
FREEPORT, ME 04032
207 865 9925

EXPANSION & RENOVATIONS TO
**THOMAS
MEMORIAL
LIBRARY**

6 SCOTT DYER RD
CAPE ELIZABETH
MAINE, 04107

NORTH

05-29-14
Planning Board
Review

Title: Electrical Site
Photometric Plan
Sheet No.
E0.0
Scale: 1" = 20'-0"
Date: 05-29-14
Revised: