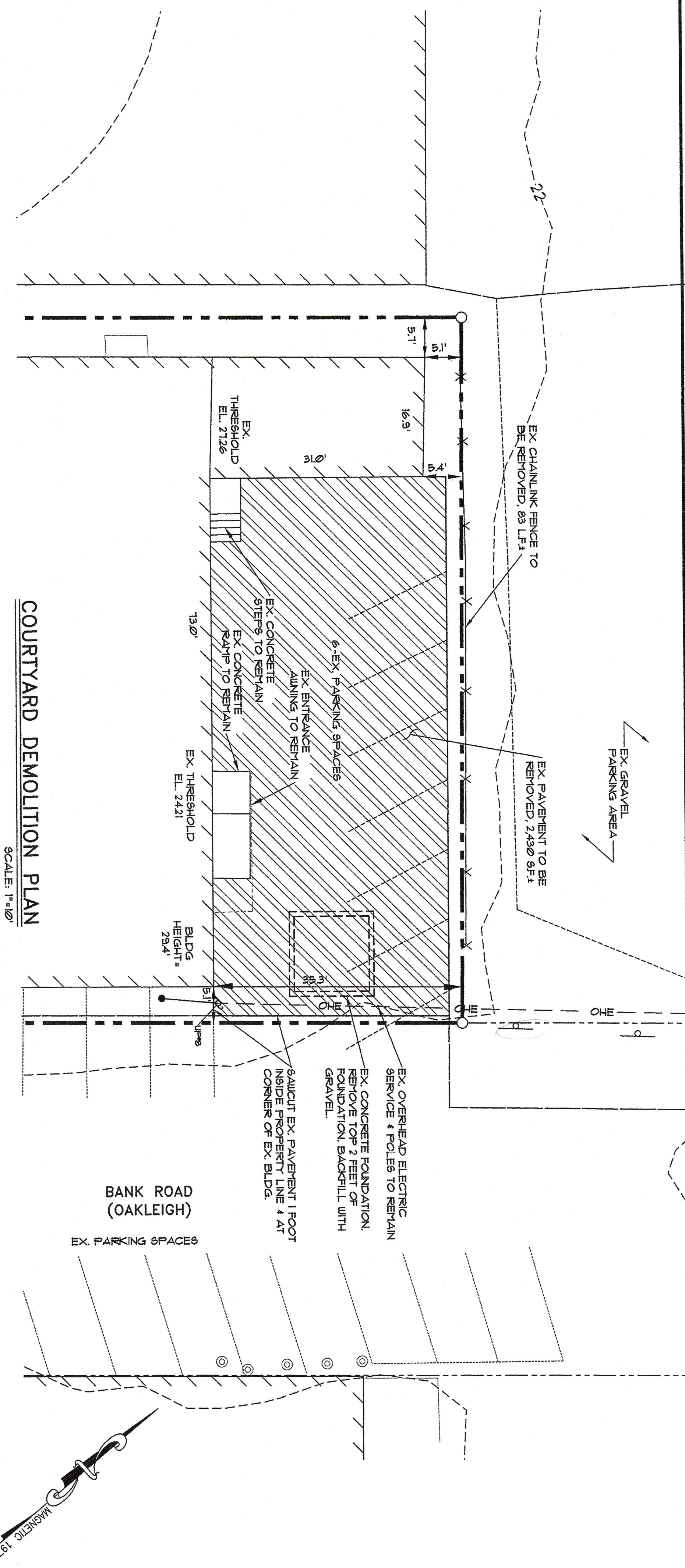
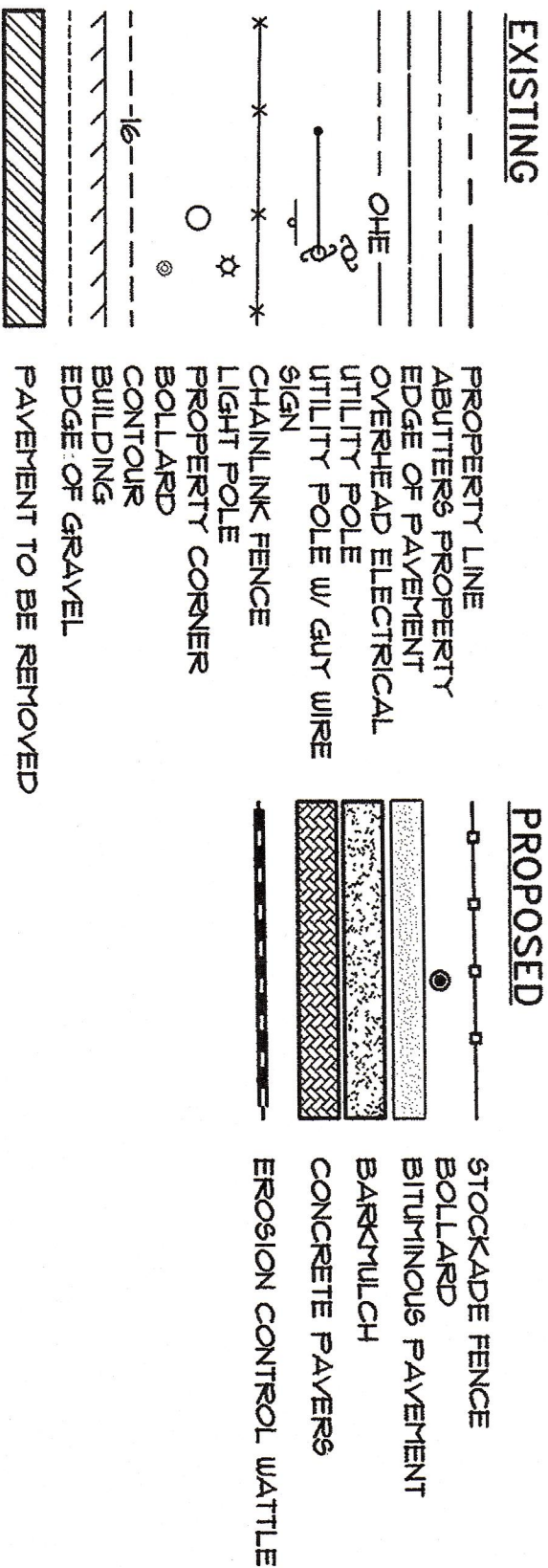


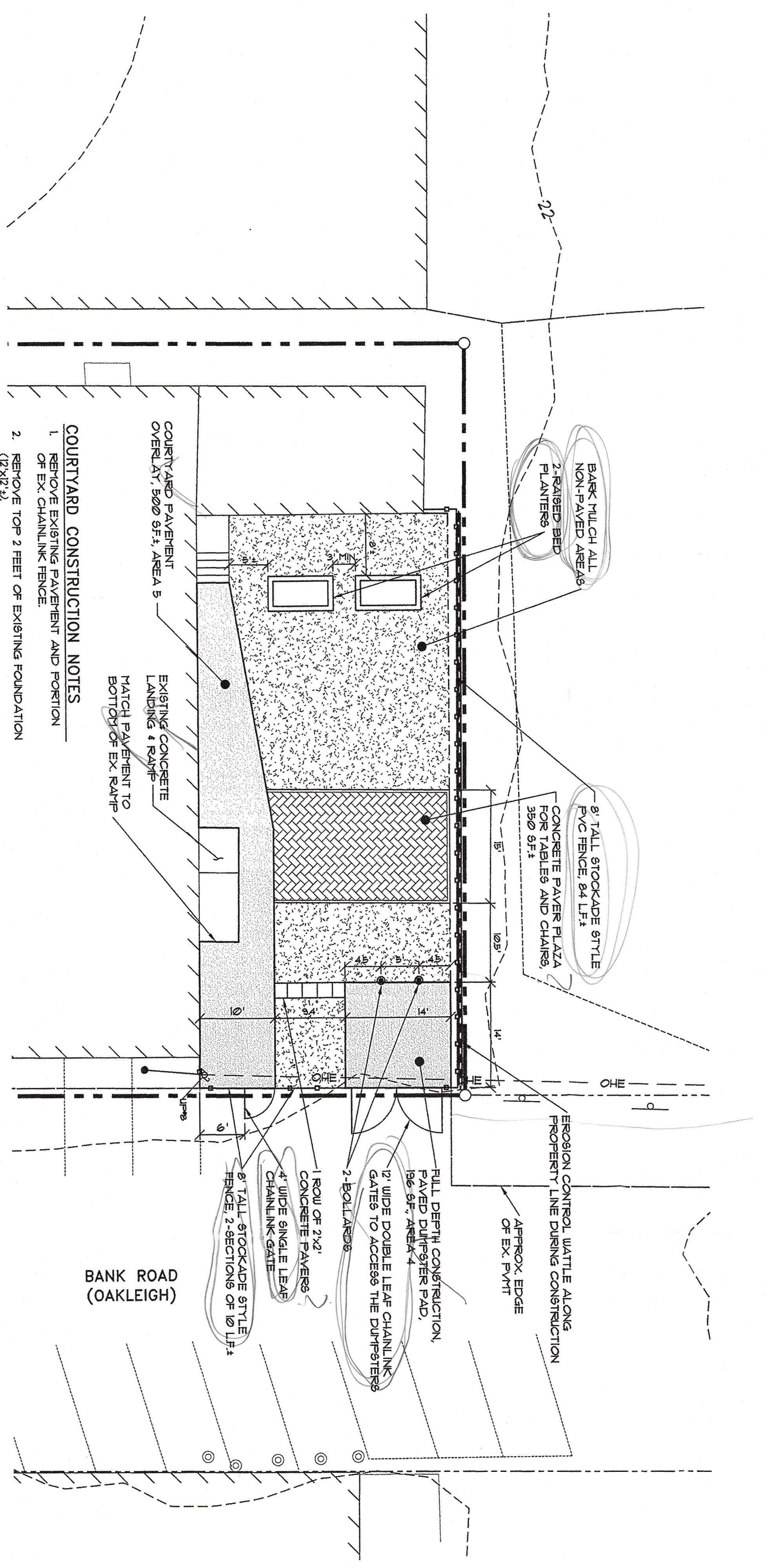




**LEGEND**



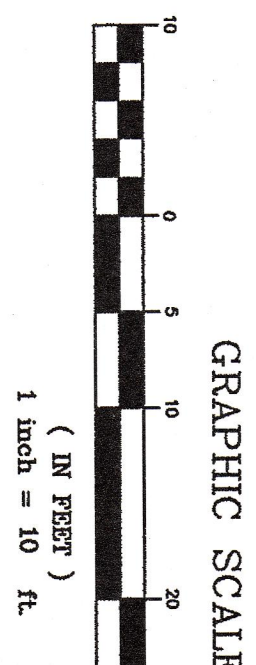
**COURTYARD DEMOLITION PLAN**  
SCALE: 1"=10'



**COURTYARD CONSTRUCTION NOTES**

1. REMOVE EXISTING PAVEMENT AND PORTION OF EX. CHAINLINK FENCE.
2. REMOVE TOP 2 FEET OF EXISTING FOUNDATION (12 X 12').
3. PROVIDE 8' TALL FENCE AROUND THE COURTYARD WITH 1-4' PAVED GATE AND 1-12' WIDE DOUBLE LEAF GATE.
4. COMPLETE COURTYARD CONSTRUCTION MATCHING NEW SURFACE GRADES TO EXISTING GRADES.

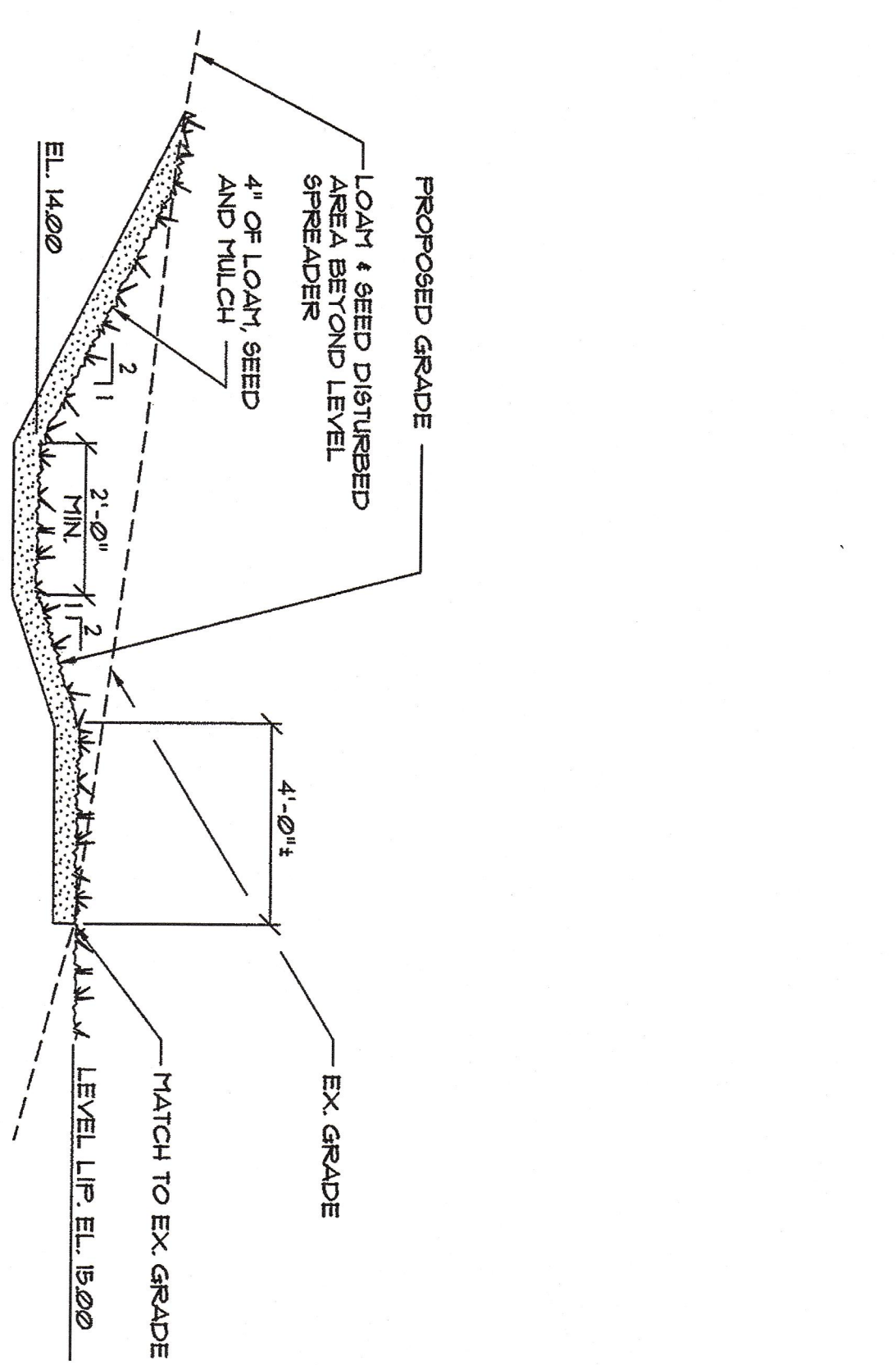
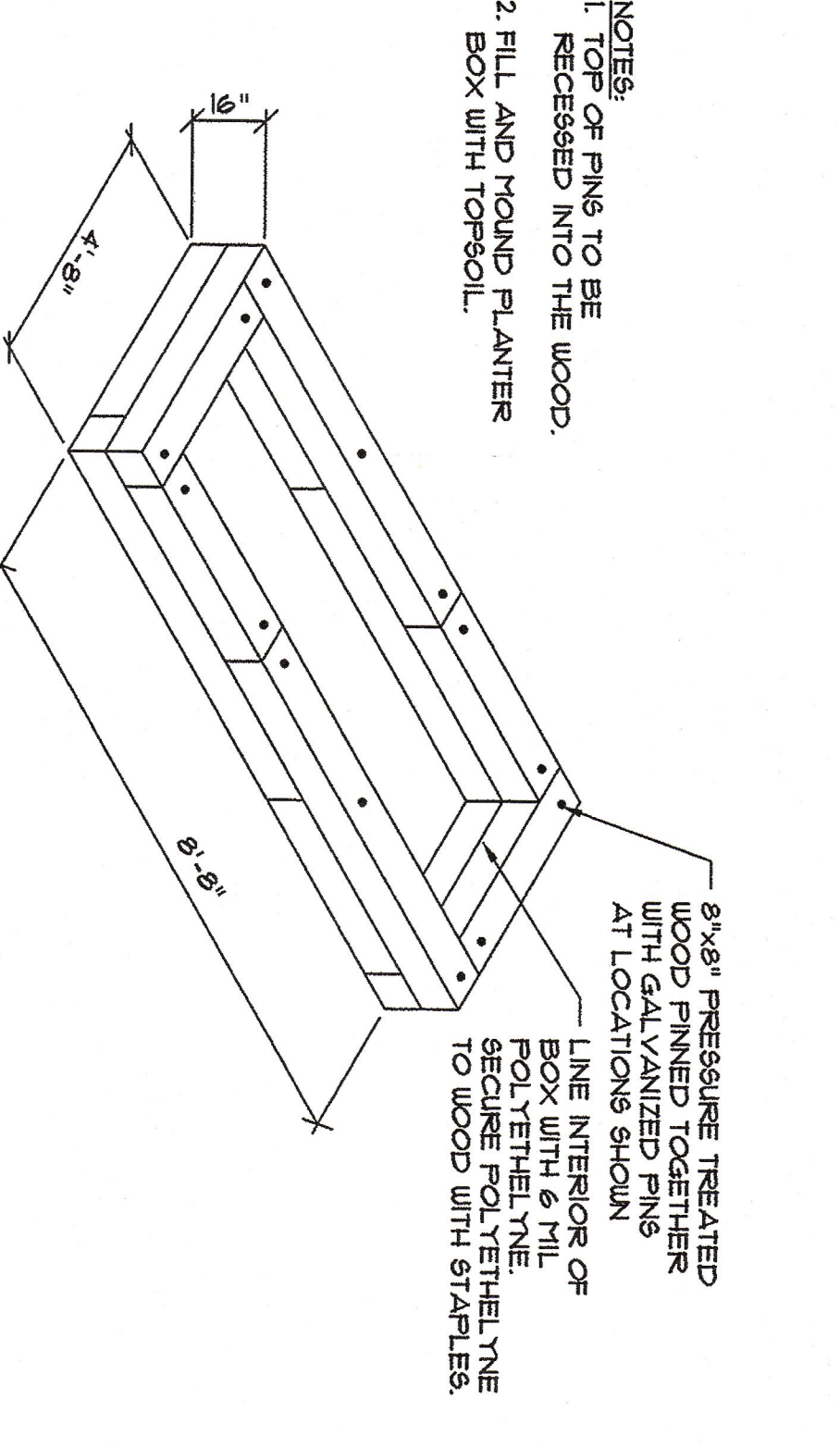
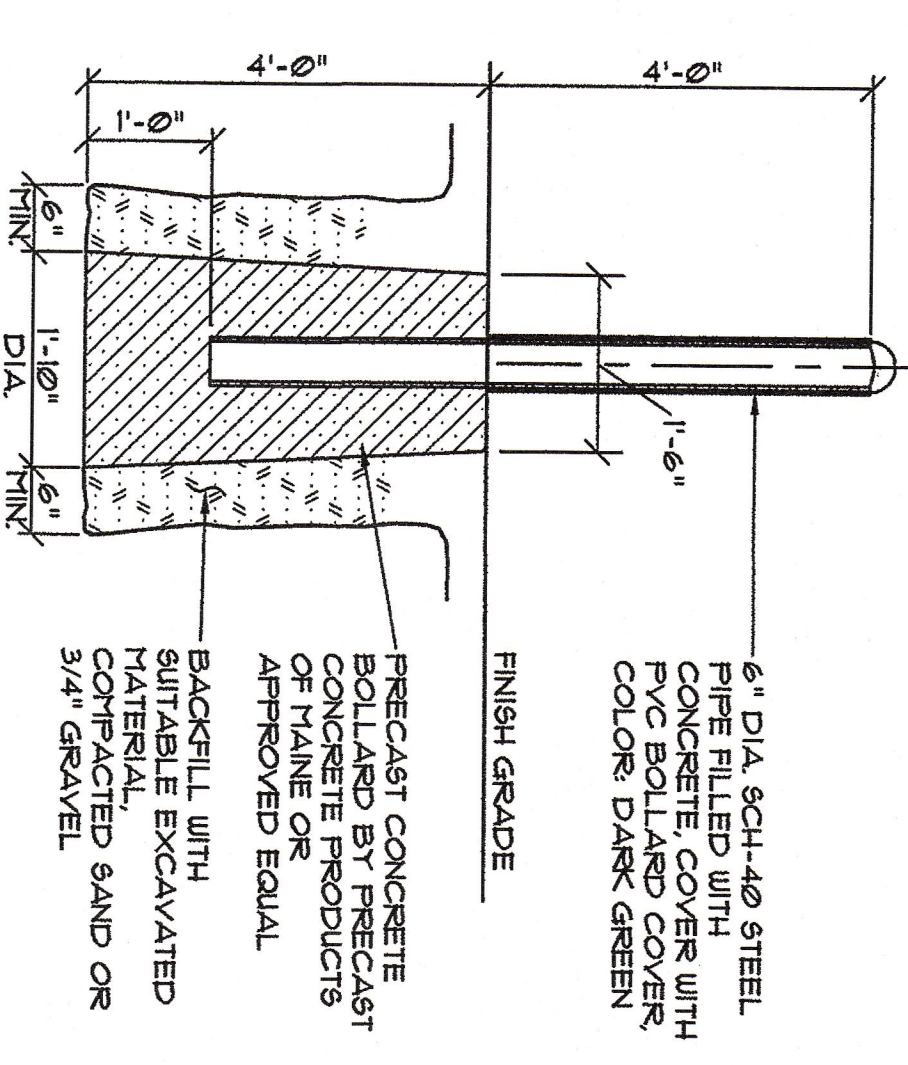
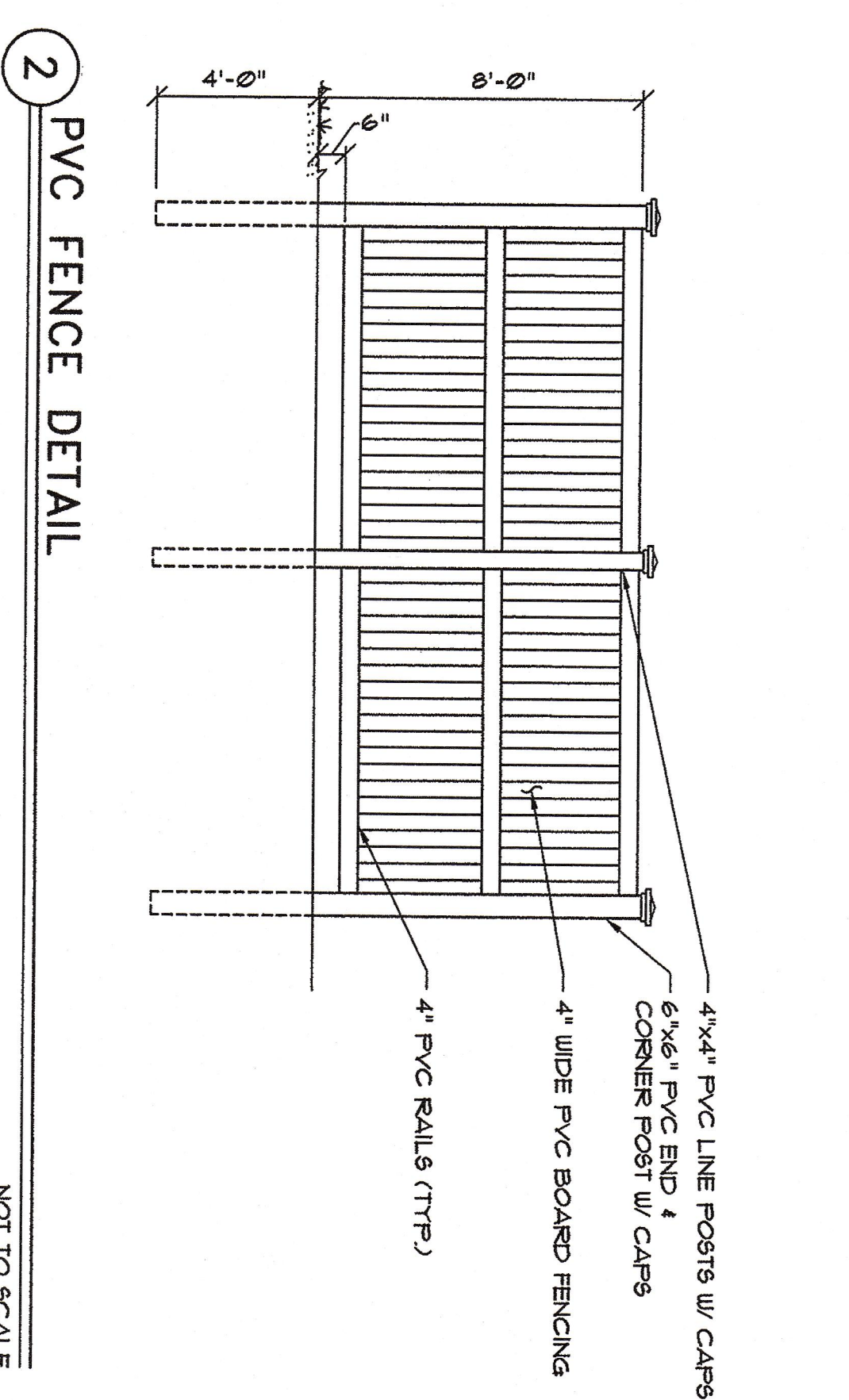
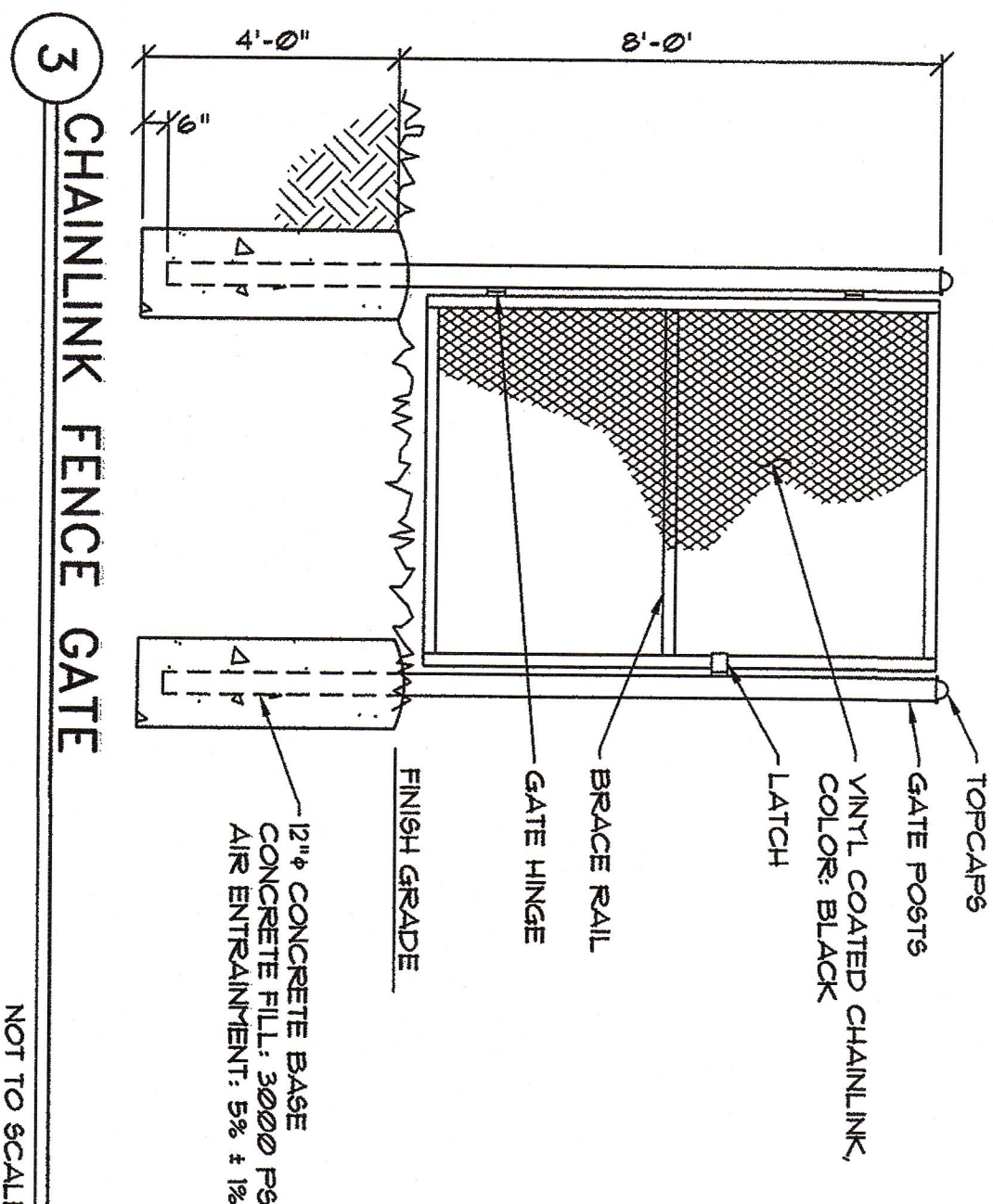
**COURTYARD SITE PLAN**  
SCALE: 1"=10'



CITY OF PORTLAND  
APPROVED SITE PLAN  
Subject to Dept. Conditions  
Date of Approval: 07/26/2017

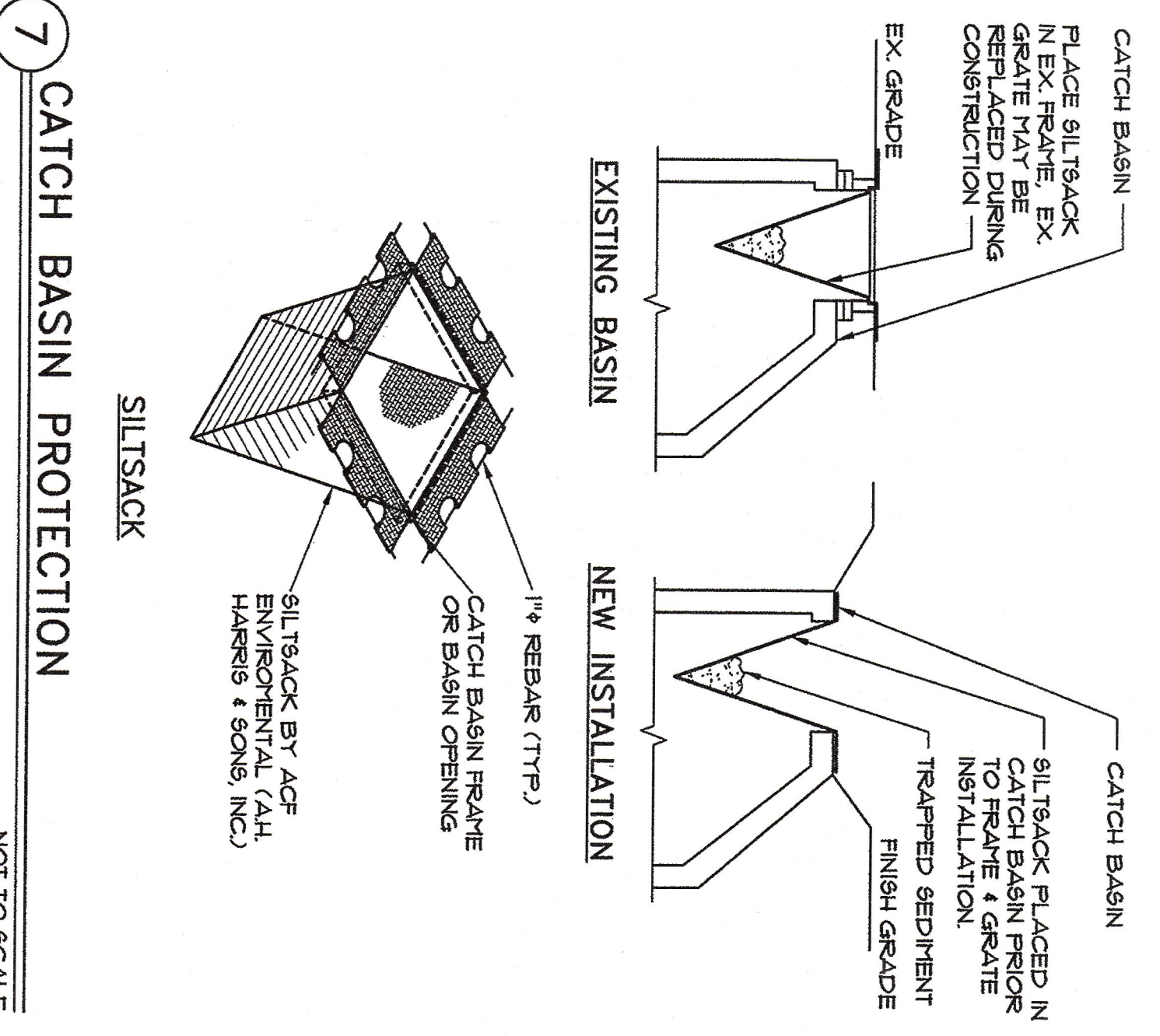
<p><b>SITE IMPROVEMENTS</b> 343 FOREST AVENUE PORTLAND, MAINE</p> <p><b>C2.2</b></p>	<p><b>LIBERTY BAY RECOVERY CENTER</b> 835 FOREST AVENUE PORTLAND, ME 04103</p>	<p>SCALE: AS SHOWN</p>	<p>DRN BY: RJS</p>		<p><b>PINKHAM &amp; GREER</b> <b>CIVIL ENGINEERS</b> 28 VANNAH AVE. PORTLAND, ME 04103 TEL: 207.781.3242 FAX: 207.781.4245</p>									
		<p>DATE: APRIL 10, 2017</p>	<p>DESIGN BY: TSG</p>											
<p>PROJECT: 17123</p>	<p>CHK BY: TSG</p>	<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>9/20/17</td> <td>REV'D PER STAFF REVIEW</td> </tr> <tr> <td>1</td> <td>7/31/17</td> <td>REV'D PER STAFF REVIEW</td> </tr> </tbody> </table>		REV.	DATE	DESCRIPTION	2	9/20/17	REV'D PER STAFF REVIEW	1	7/31/17	REV'D PER STAFF REVIEW		
REV.	DATE	DESCRIPTION												
2	9/20/17	REV'D PER STAFF REVIEW												
1	7/31/17	REV'D PER STAFF REVIEW												





NOTES:  
 1. CONSTRUCT LEVEL LIP AND SPREADER ON ZERO PERCENT GRADE.  
 2. DO NOT CONSTRUCT LEVEL SPREADER ON FILL.  
 3. STORM RUNOFF CONVERTED TO SHEET FLOW SHALL OUTLET ONTO STABILIZED AREA. WATER SHALL NOT BE CHANNELIZED IMMEDIATELY BELOW POINT OF DISCHARGE.

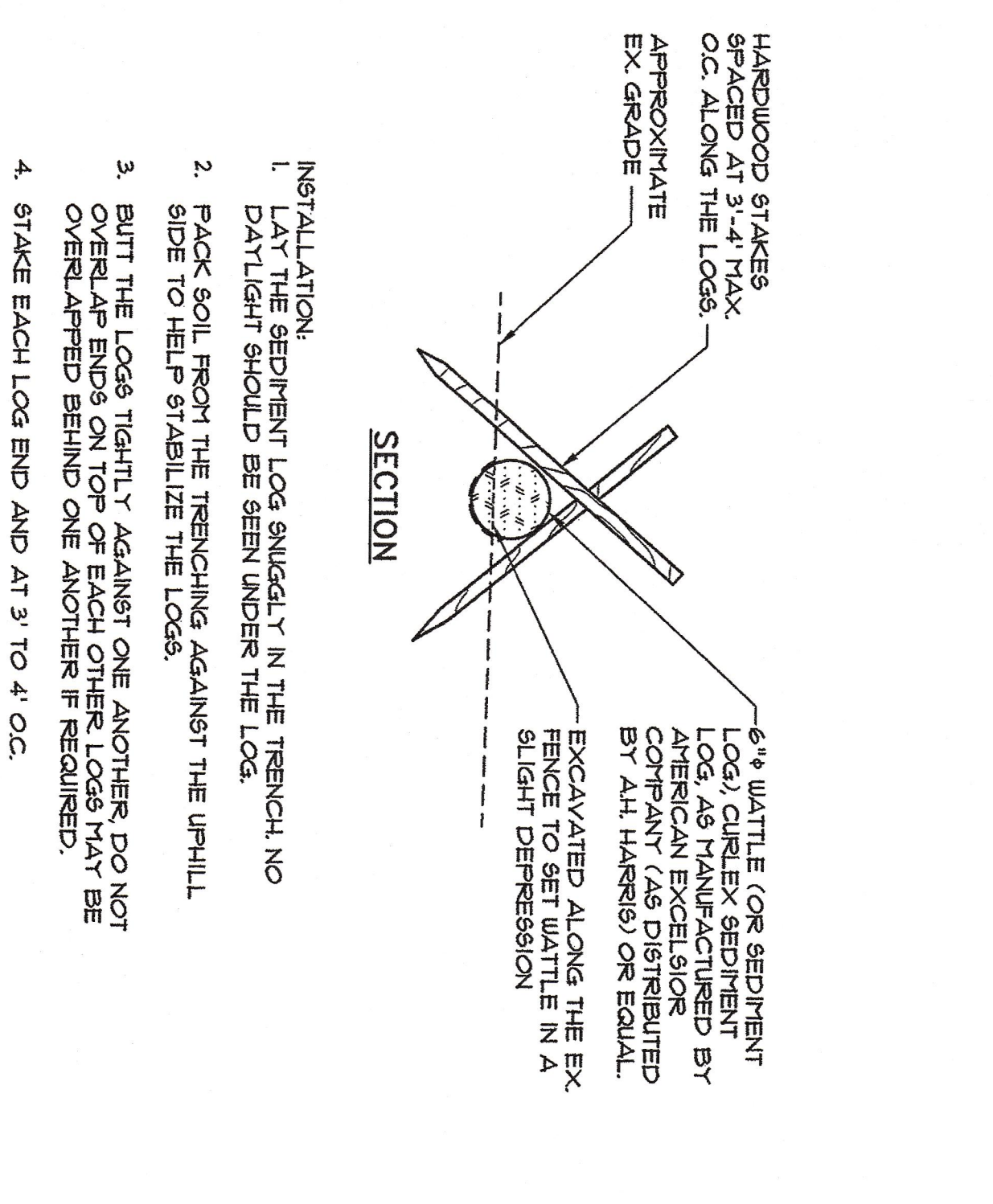
8 LEVEL SPREADER SECTION  
NOT TO SCALE



7 CATCH BASIN PROTECTION  
NOT TO SCALE

CONSTRUCTION	USE
1 1/2" HMA MDOT 125mm 2 1/4" HMA MDOT 150mm 3" MIN COMPACTED AGGREGATE BASE, MDOT 103.06(a) TYPE A EXISTING, COMPACTED SURFACE	PARKING PAVEMENT SEPARATION
2 - 1" LAYERS OF HMA MDOT 95mm BASE, MDOT 103.06(a) TYPE A COMPACTED SUBGRADE	PARKING PAVEMENT OVERLAY
1 1/4" HMA MDOT 125mm 2 1/4" HMA MDOT 150mm 5" COMPACTED AGGREGATE BASE, MDOT 103.06(a) TYPE A 5" COMPACTED AGGREGATE SUBGRADE, MDOT 103.06(b) TYPE D COMPACTED SUBGRADE	PARKING & DRIVEWAY AREA FULL DEPTH CONSTRUCTION
CONCRETE PAVEMENT w/ STABILIZED SAND FILL 4" THK EDGING WITH STEEL SPICES ALONG NON-PAVEMENT EDGES 4" COMPACTED AGGREGATE BASE, MDOT 103.06(a) TYPE A COMPACTED SUBGRADE	PLAZA CONCRETE PAVEMENT
3" BARK-MULCH GEOTEXTILE MESH 140N OR APPROVED EQUAL PREPARED SUBGRADE	COURTYARD BARKMULCH
3" LOAM AND SEED REMOVE EXISTING PAVEMENT EXISTING SUBGRADE	ALL UNPAVED DISTURBED AREAS LOAM AND SEED

1 SCHEDULE OF SURFACE FINISHES  
NOT TO SCALE



6 EROSION CONTROL WATTLE DETAIL  
NOT TO SCALE

CITY OF PORTLAND  
 APPROVED SITE PLAN  
 Submitted to Dept. of Public Works  
 Date of Approval: 09/26/2011

**C3.1**

DETAILS

LIBERTY BAY RECOVERY CENTER  
 835 FOREST AVENUE  
 PORTLAND, ME 04103

SCALE: AS SHOWN DRN BY: RJS  
 DATE: APRIL 10, 2017 DESG BY: TSG  
 PROJECT: 17123 CHK BY: TSG

REV.	DATE	DESCRIPTION
3	9/20/17	REV'D PER STAFF REVIEW
2	8/4/17	ADDED DETAIL 7 PER STAFF REVIEW
1	7/5/17	REV'D PER STAFF REVIEW

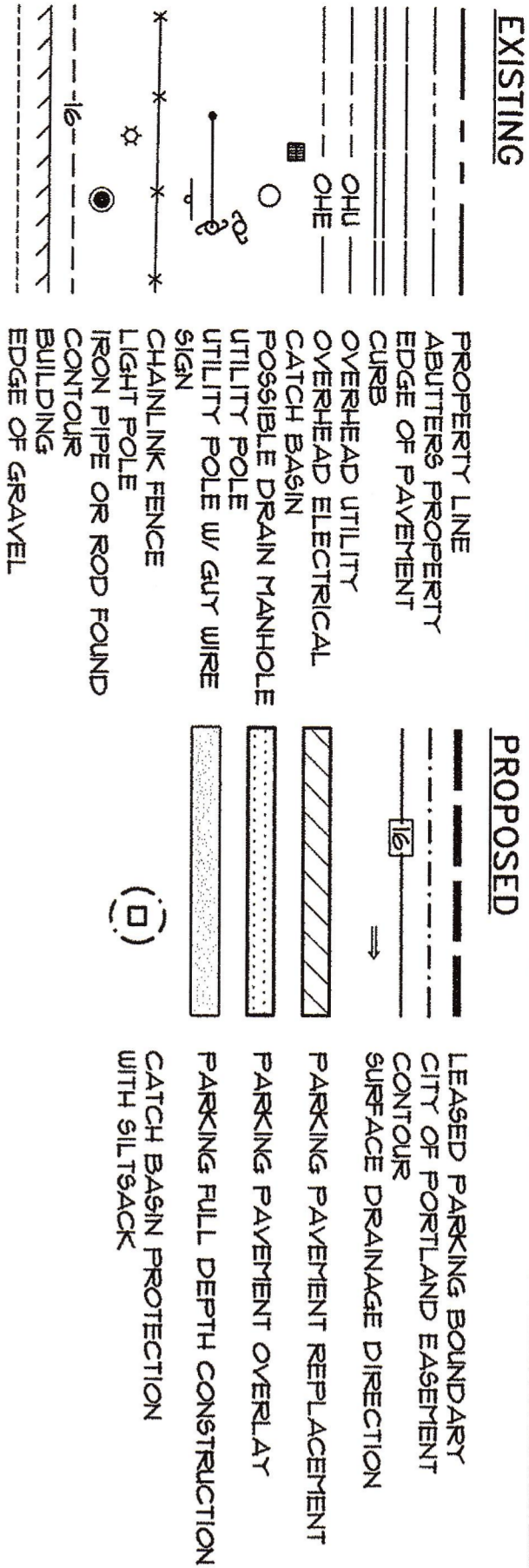
STATE OF MAINE  
 THOMAS & GREER  
 No. 4206  
 LICENSED PROFESSIONAL ENGINEER

**PINKHAM & GREER**  
 CIVIL ENGINEERS

28 WYMAN AVE, PORTLAND, ME, 04103  
 TEL: 207.781.5242 FAX: 207.781.4245



**LEGEND**



**EROSION CONTROL NOTES**

**GENERAL:**

THE DRAWINGS DEPICT THE REQUIRED SOIL EROSION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE CONSTRUCTION SITE IN SUCH A MANNER THAT:

1. SOIL EROSION IS KEPT TO A MINIMUM.
2. NO SEDIMENT LEAVES THE CONSTRUCTION SITE PROPER.
3. ALL POSSIBLE MEASURES ARE EMPLOYED TO PREVENT SEDIMENT FROM ENTERING DRAINAGE COURSES AND UTILITIES EVEN BEYOND THE DETAILS SHOWN ON THIS PLAN IF NECESSARY.

ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MAINE EROSION AND SEDIMENT CONTROL ACTS, PUBLISHED BY THE BUREAU OF LAND AND WATER QUALITY, MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OCTOBER 2016.

THE CONTRACTOR IS RESPONSIBLE FOR ALL FINES RESULTING FROM EROSION OR SEDIMENTATION FROM THE SITE TO SURROUNDING PROPERTIES, WATERBODIES, OR WETLAND AS A RESULT OF THIS PROJECT.

LOAN AND SEED ALL DISTURBED AREAS AS SOON AS POSSIBLE AFTER DISTURBANCE, BUT NO LONGER THAN 1 DAY. LOAN AND SEED ANY DISTURBED AREA WITHIN 15' OF WETLANDS OR WATERBODIES WITHIN 48 HOURS OR PRIOR TO ANY STORM EVENT. USE WINTER SEED RATES AND SPECIFICATIONS IF APPROPRIATE.

NECESSARY REPAIRS TO FACILITIES AS SOON AS POSSIBLE, BUT NO LONGER THAN 2 DAYS. CLEAN AND RESET SILT FENCES AND STONE CHECK DAMS WHICH ACCUMULATE SEDIMENT AND DEBRIS.

PROJECT AND STABILIZE ALL AREAS NOT SCHEDULED FOR EROSION PREVENTION OR STABILIZATION BUT THAT SHOW SIGNS OF EROSION. NOTIFY OWNER OF ANY SIGNIFICANT EROSION PROBLEMS.

APPLY MULCH TO BARE SOIL WITHIN 1 DAYS OF INITIAL DISTURBANCE OF SOILS WITHIN 48 HOURS IF WITHIN 15' OF WETLAND OR WATERBODY. PRIOR TO ANY RAIN EVENT, OR PRIOR TO ANY WORK SHUTDOWN LASTING MORE THAN ONE DAY.

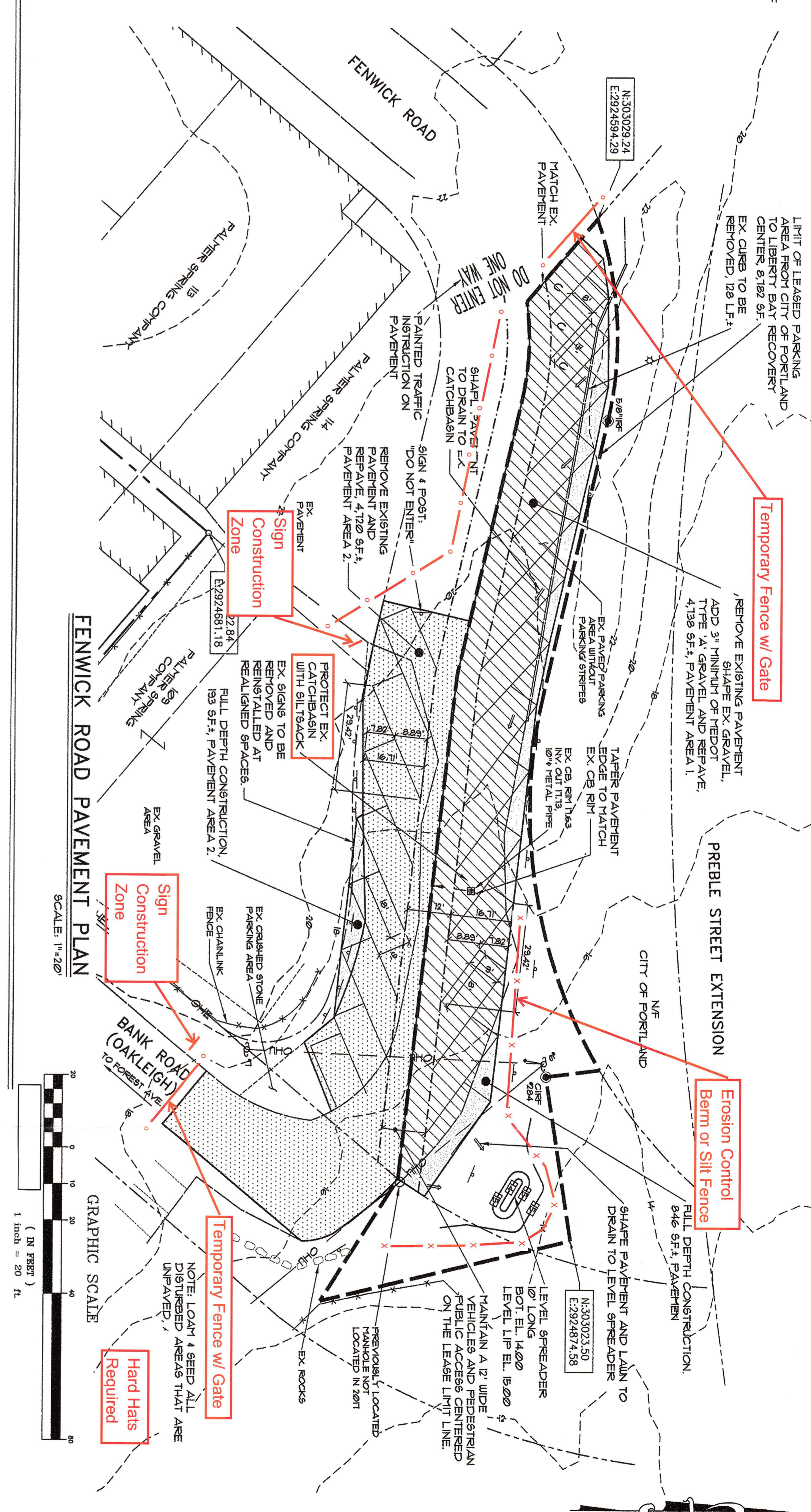
TEMPORARILY SEED WITHIN 1 DAYS ANY AREA WHICH WILL BE LEFT DISTURBED AND UNWORKED FOR MORE THAN 14 DAYS WITH THE TEMPORARY SEED MIX LISTED BELOW. IF AREA IS WITHIN 15' OF A WETLAND OR WATERBODY, SEED WITHIN 48 HOURS. PERMANENTLY SEED ANY AREA WHICH USE FERTILIZER AS SOON AS POSSIBLE WITH THE PERMANENT SEED MIX LISTED BELOW. DO NOT USE FERTILIZER SEED MIX AFTER SEPTEMBER 15.

MULCH ALL AREAS SEEDED SO THAT SOIL IS NOT VISIBLE THROUGH THE MULCH REGARDLESS OF THE APPLICATION RATE. DURING THE GROWING SEASON (APRIL 15 - SEPT. 30) USE EROSION CONTROL MESH (OR MULCH AND NETTING) ON:

- SLOPES OF GRASSES AND NETTING'S
- SLOPES OF STRIPES AND WETLANDS
- SIDE SLOPES OF GRASSES AND NETTING'S
- SLOPES STEEPER THAN 8%

PLACE AND GRADE LOAN IN A REASONABLY UNIFORM MANNER. WORK LINE AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES WITH A DISC SPRING TOOTH HARROW OR OTHER SUITABLE EQUIPMENT. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEED BED IS PREPARED. REMOVE FRONT SURFACE ALL STONES LARGER THAN 2" AND ALL OTHER UNSUITABLE MATERIAL. LIME AND FERTILIZER SHOULD BE MIXED INTO SOIL PRIOR TO ROLLING EXCEPT IF INCLUDED IN HYDROSEED MIXTURE. PERMANENT STABILIZATION OF REVEGETATED AREAS IS CONSIDERED AS 90% CATCH.

ALL CATCH BASINS, NEW OR EXISTING, THAT MAY RECEIVE RUNOFF FROM DISTURBED AREAS MUST BE PROTECTED BY INSTALLING AND MAINTAINING SILT BAGS DURING CONSTRUCTION.



**TOPSOIL:**

1. SUITABLE TOPSOIL, AS DEFINED BY THE USDA SOIL CONSERVATION SERVICE CLASSIFICATION SYSTEM, FREE FROM AD MIXTURE OF SUBSOIL, RUBBLE, LARGE STONES, CLODS, ROOTS, WEEDS, SHUIZONES OR OTHER UNDESIRABLE FOREIGN MATTER AS DETERMINED BY THE INSPECTING AUTHORITY. CONTRACTOR SHALL SUBMIT REPORTS OF LOAN TEST RESULTS PERFORMED BY AN INDEPENDENT TESTING LABORATORY FOR TOPSOIL FROM DIFFERENT LOCATIONS PRIOR TO PLACING THE COST OF TESTING SHALL BE INCIDENTAL TO THE COST OF TOPSOIL. TOPSOIL SHALL MEET THE FOLLOWING SPECIFICATIONS:
2. MATERIAL

9&ND - 0.002 N. TO 0.002 N. DIAMETER (% BY VOLUME) ..... 45 - 75  
 5&LT - 0.002 N. TO 0.000208 N. DIAMETER (% BY VOLUME) ..... 20 - 40  
 CLAY - LESS THAN 0.000208 N. DIAMETER (% BY VOLUME) ..... 5 - 15

ORGANICS (SHALL MEET THE REQUIREMENTS OF MDOT STANDARD SPECIFICATION TID28 FREAT LIME) (% BY VOLUME) ..... 10 - 20

NITROGEN (% SATURATION) ..... 6.0 - 8.0  
 MAGNESIUM (% SATURATION) ..... 1 - 3.0  
 POTASSIUM (% SATURATION) ..... 10 - 20  
 PHOSPHORUS (P) (POUNDS/ACRE) ..... 6.0 - 6.5

PERMEABILITY (INCHES PER HOUR) ..... 3 - 10  
 MAXIMUM STONE SIZE (INCHES) ..... 3/4

**SEEDING:**

USE PERMANENT SEED MIXES AND RATES BETWEEN 5/15 AND 9/30. USE TEMPORARY SEED MIXES FOR PERIODS LESS THAN 12 MONTHS. IF USING PERMANENT SEED MIX AFTER 5/15.

**PERMANENT SEED:**

MDOT TID29a(4) METHOD NUMBER 3

**TEMPORARY SEED:**

CATS	80.00 LBS/ACRE	4/01 - 5/14
ANNUAL RYEGRASS	40.00 LBS/ACRE	5/15 - 8/14
QUICKGRASS	40.00 LBS/ACRE	5/15 - 9/14
ANNUAL RYEGRASS	80.00 LBS/ACRE	9/15 - 9/30
WINTER RYE	12.00 LBS/ACRE	10/01 - 3/31
WINTER RYE (W/ MULCH COVER)	12.00 LBS/ACRE	10/01 - 3/31

**LIME AND FERTILIZER:**

APPLY GROUND LIMESTONE (EQUIVALENT TO 80% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (36 POUNDS PER 1000 SQUARE FEET) (8.4 POUNDS PER 1000 SQUARE FEET).

**MULCH:**

- STRAW OR HAY (ANCHORED) ..... 10 - 30 LBS
- STRAW OR HAY (ANCHORED) ..... 15 - 275 LBS
- SHIPPED OR CHOPPED ..... 15 - 275 LBS
- SLIT MESH ..... AS REQUIRED
- EXCELSION MAT ..... AS REQUIRED

**MULCH ANCHORING**

- FEED AND TUNE ..... LIQUID ASPHALT
- MULCH NETTING ..... LIQUID ASPHALT
- APPHALT EMULSION ..... CHEMICAL TACK

**HOUSEKEEPING NOTES**

THIS PROJECT IS LOCATED IN THE CASCO BAY WATERSHED. PROTECTION OF THE GROUNDWATER QUALITY IS ENSURED BY HAVING GOOD HOUSEKEEPING PRACTICES AND MAINTENANCE OF THE STORMWATER SYSTEMS. SPILL PREVENTION MUST BE INCORPORATED INTO THE PLAN. OWNERS AND ALL CONTRACTORS INVOLVED IN THE PROJECT SHOULD FOLLOW THE FOLLOWING STEPS:

- 1. SUBCONTRACTORS, LAND OWNERS AND BUSINESS OCCUPANTS SHOULD BE MADE AWARE OF POSSIBLE GROUNDWATER AND SURFACE WATER CONTAMINATION BASED ON THEIR ACTIONS DURING CONSTRUCTION.
- 2. FOLLOW THE EROSION CONTROL MEASURES OUTLINED ON THE PLANS.
- 3. DEVELOP A WASTE HANDLING PROGRAM THAT IDENTIFIES POTENTIAL CONTAMINANTS THAT COULD BE RELEASED TO THE WATER COLUMN. FOLLOW HAZARDOUS WASTE RULES IF ANY THESE USED ARE CONSIDERED A HAZARDOUS WASTE. IT IS CRITICAL TO THE SITE THAT UNCONTROLLED RELEASES BE PREVENTED.
- 4. THIS SITE MAY REQUIRE DEMATERING OF TRENCHES. DURING CONSTRUCTION MONITOR STORMWATER RUNOFF FROM THE EQUIPMENT AND GROUND AREAS TO MINIMIZE CONTAMINATION OF GROUNDWATER.
- 5. THE SPILLING OF PRODUCTS SUCH AS SMALL ENGINE FUEL, CLEANING PRODUCTS AND PAINTS NEED TO BE CLEANED UP.
- 6. IDENTIFY ANY PRODUCTS THAT IF SPILLED WILL CREATE CONTAMINATION OF THE GROUNDWATER.
- 7. MAINTAIN A LIST OF THE MATERIALS AND KEEP THE MSDS SHEETS AVAILABLE TO ALL EMPLOYEES.
- 8. OIL ABSORBENT PADS SHOULD BE USED WHILE REFUELING EQUIPMENT. KEEP ABSORBENT PADS AVAILABLE FOR USE IN CLEAN UP OF FUELS/OIL.
- 9. POST THE NAMES AND CONTACT INFORMATION FOR THE EMPLOYEE RESPONSIBLE FOR ENVIRONMENTAL MATTERS AND THE NAMES AND CONTACT INFORMATION OF COMPANIES TO BE CALLED IN THE EVENT OF A SPILL.
- 10. POST CONTROLS.
- 11. CONTINUE TO FOLLOW ALL GUIDELINES OUTLINED FOR CONSTRUCTION.
- 12. THE USE OF FERTILIZERS AND PESTICIDES SHOULD BE DONE CAUTIOUSLY AND IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- 13. THE MAINTENANCE OF THE LANDSCAPING AND PARKING LOTS SHOULD INCLUDE THE SCHEDULING OF THE REMOVAL OF THE MATERIALS THAT MAY CAUSE DAMAGE.
- 14. AS PART OF EMPLOYEE TRAINING, INSTRUCT EMPLOYEES OF THE PROCEDURES FOR RESPONSE TO ENVIRONMENTAL MATTERS.

- Notes:**
1. Contractor shall coordinate construction activities with all abutters, specifically Palmer Springs.
  2. Contractor shall be responsible for the sweeping of Bank Road and Fenwick Road to prevent sediment tracking on Forest Ave.
  3. At no time can construction activity, including delivery vehicles, close or block streets or affect public safety access.

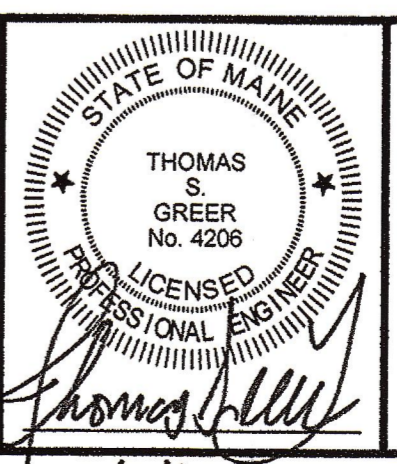
**CONSTRUCTION MANAGEMENT PLAN**

11/8/17

CITY OF PORTLAND  
 APPROVED SITE PLAN

LIBERTY BAY RECOVERY CENTER 835 FOREST AVENUE PORTLAND, ME 04103	
SCALE: AS SHOWN	DRN BY: RJS
DATE: APRIL 10, 2017	DESG BY: TSG
PROJECT: 17123	CHK BY: TSG

REV.	DATE	DESCRIPTION
4	11/3/17	REV'D PER FINAL REVIEW
3	9/21/17	REV'D PER STAFF REVIEW
2	9/20/17	REV'D PER STAFF REVIEW
1	7/31/17	REV'D PER STAFF REVIEW



CM-1

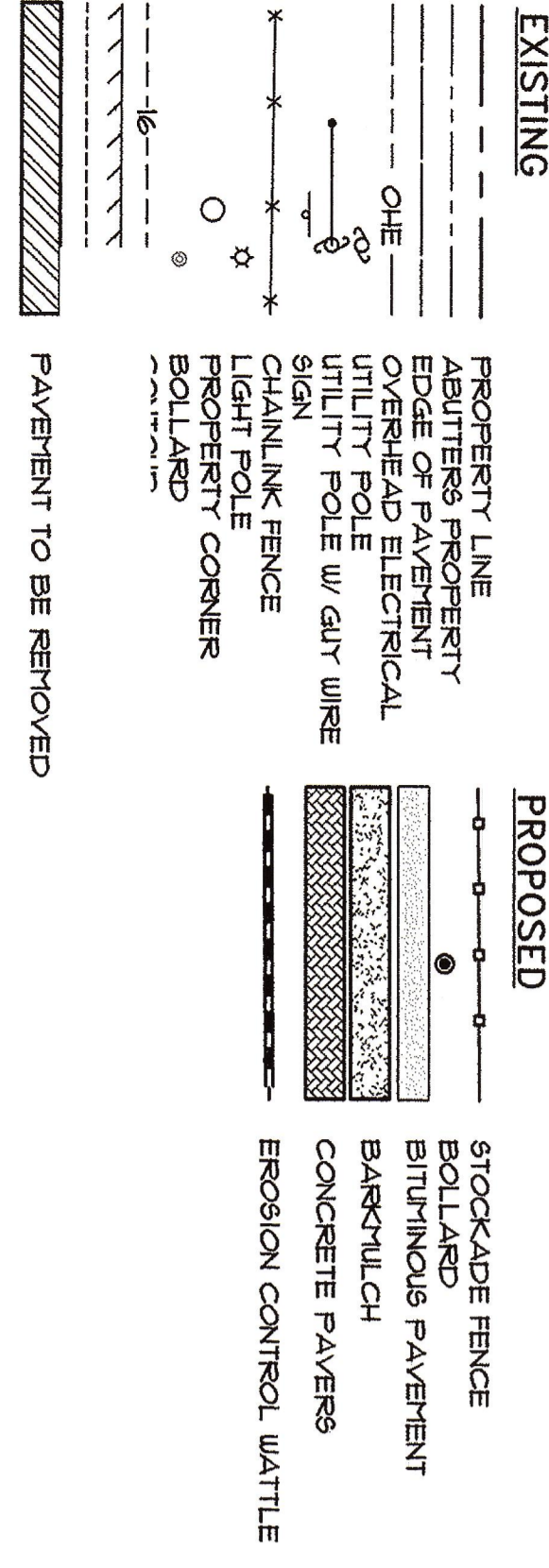
**PARKING PLAN**

Date of Approval: 11/8/2017

MAPLOT: MAP 11723/DRCK/01/01

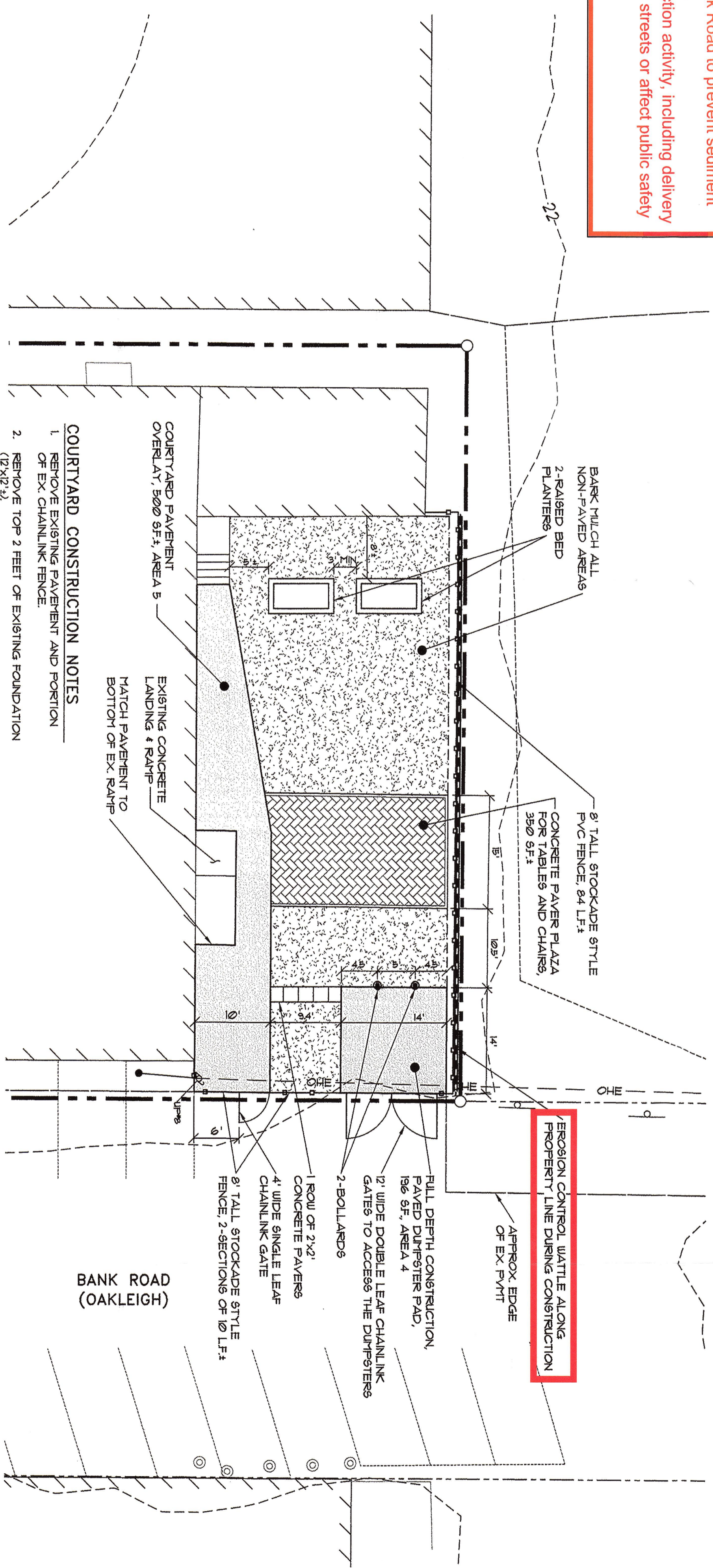
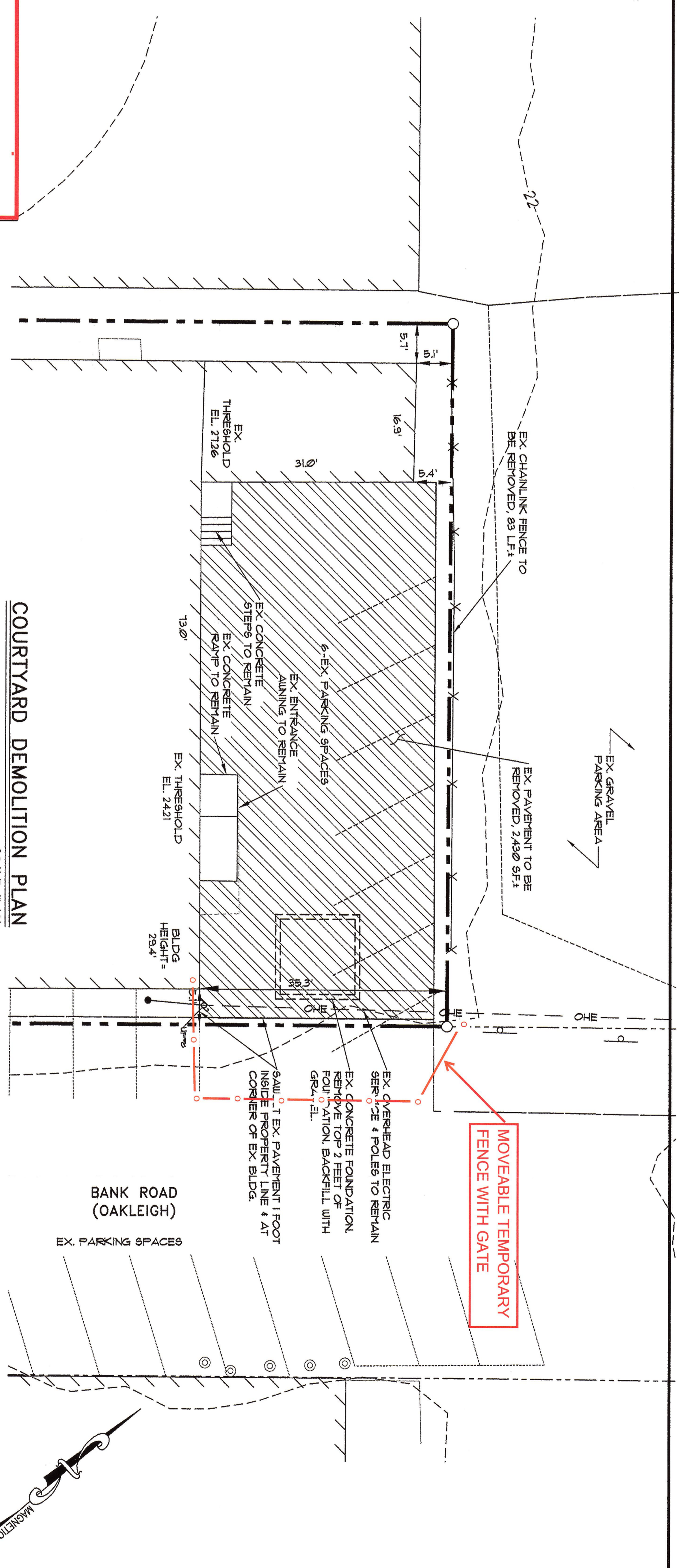


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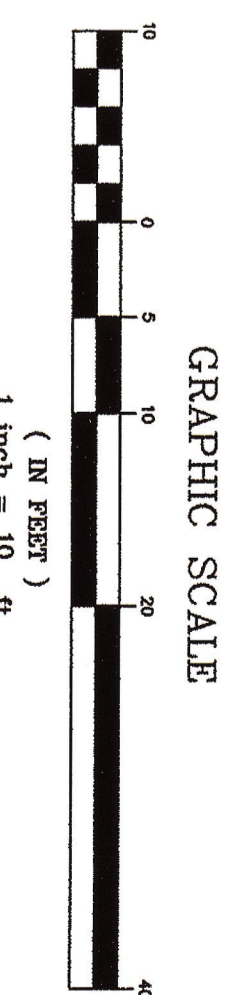


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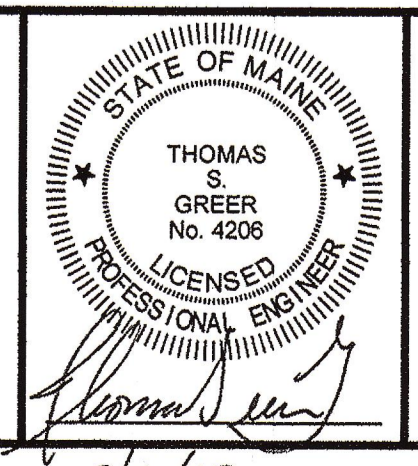


**COURTYARD SITE PLAN**

**CONSTRUCTION MANAGEMENT PLAN**

11/8/17

<b>SITE IMPROVEMENTS</b> 343 FOREST AVENUE PORTLAND, MAINE  <b>CM-2</b>	<b>LIBERTY BAY RECOVERY CENTER</b> 835 FOREST AVENUE PORTLAND, ME 04103		SCALE: AS SHOWN DATE: APRIL 10, 2017 PROJECT: 17123	
	DRN BY: RJS DESG BY: TSG CHK BY: TSG	2 9/20/17 1 7/31/17	REV'D PER STAFF REVIEW REV'D PER STAFF REVIEW	DESCRIPTION



**PINKHAM & GREER**  
**CIVIL ENGINEERS**  
 28 VANNAH AVE. PORTLAND, ME 04103  
 TEL: 207.781.5242 FAX: 207.781.4245

Subject to Dept. of Planning  
 Date of Approval: 07/26/17