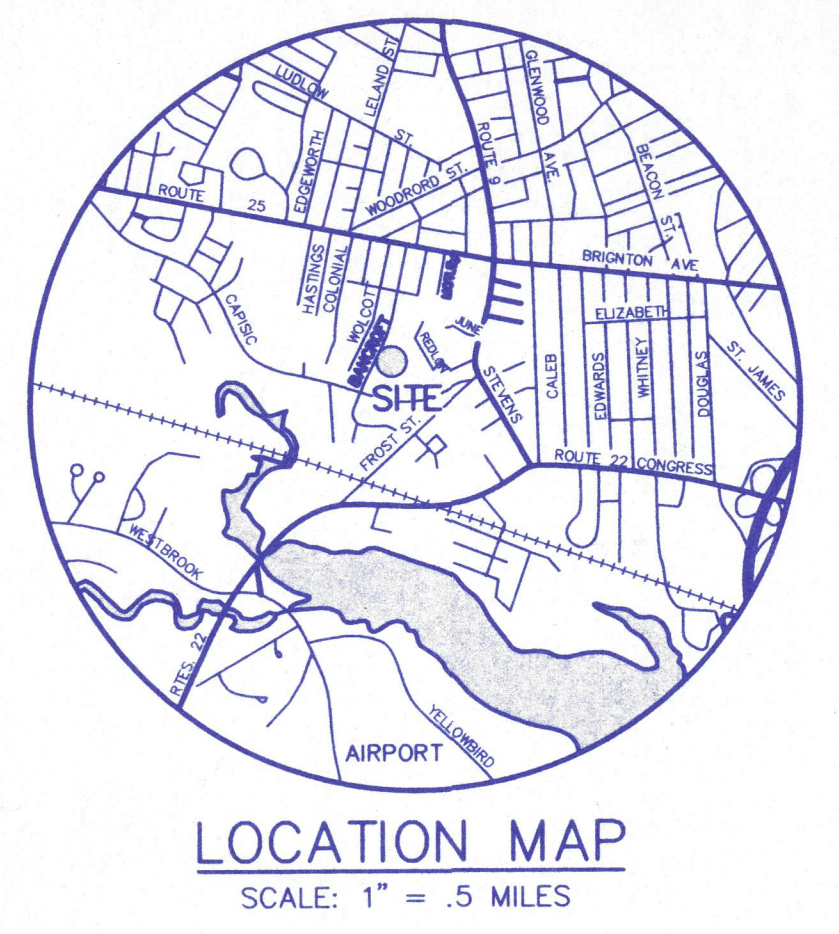


**STORMDRAIN PIPES**

P1	- 12" S.D., L=98', S=0.009'/FT.
P2	- 12" S.D., L=84', S=0.005'/FT.
P3	- 12" S.D., L=20', S=0.01'/FT.
P4	- 12" S.D., L=20', S=0.01'/FT.
P5	- 12" S.D., L=221', S=0.013'/FT.
P6	- 12" S.D., L=7', S=0.01'/FT.
P7	- 15" S.D., L=7', S=0.01'/FT.
P8	- 15" S.D., L=20', S=0.02'/FT.
P9	- 15" S.D., L=41', S=0.04'/FT.
P10	- 15" S.D., L=124', S=0.035'/FT.
P11	- 15" S.D., L=10', S=0.20'/FT.
P12	- 15" S.D., L=12', S=0.01'/FT.
P13	- 15" S.D., L=18', S=0.08'/FT.
P14	- 6" S.D., L=65', S=0.007'/FT.
P15	- 12" S.D., L=28', S=0.02'/FT.

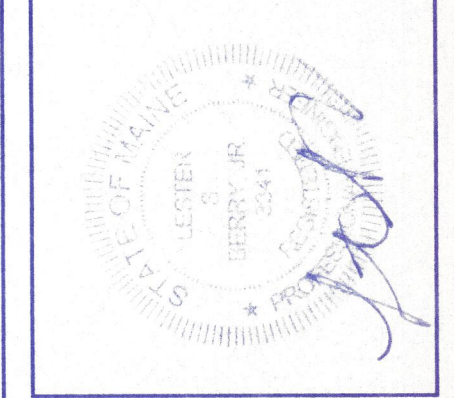
**STORMDRAIN STRUCTURES**

CB#1	- RIM 59.55 INV. IN 56.50 INV. OUT 54.77
CB#2	- RIM 64.50 INV. IN 60.90
CB#3	- RIM 64.50 INV. IN 61.00 INV. OUT 60.90
CB#4	- RIM 68.52 INV. 64.00
CB#5	- RIM 68.04 INV. 64.00
CB#6	- RIM 65.70 INV. IN 62.20 INV. OUT 62.10
DMH#1	- RIM 59.69 INV. IN 54.65 INV. OUT 54.55
DMH#2	- RIM 63.50 INV. IN 59.09 INV. OUT 58.99
DMH#3	- RIM 64.85 INV. IN 60.83 INV. OUT 60.73
DMH#4	- RIM 68.60 INV. IN 63.80 INV. OUT 63.70



- NOTES:**
- OWNER/APPLICANT: CHABAD LUBOWITZ OF MAINE INC. POMEROY STREET PORTLAND, MAINE
  - ENGINEER: LESTER S. BERRY, PE#3341 BH2M
  - SURVEYOR: ROBERT LIBBY JR., PLS#2190 BH2M
  - WETLAND DELINEATION: MARK HAMPTON & ASSOCIATES PORTLAND, MAINE
  - TAX MAP REFERENCE: MAP 193, BLOCK E, LOT 19
  - DEED REFERENCES: BK. 6258, PG. 53
  - ZONING: R-3
  - PROPOSED USE: SINGLE FAMILY RESIDENCE WITH CHAPEL
  - MINIMUM STANDARDS: MINIMUM LOT AREA = 6500 S.F.  
MINIMUM FRONTAGE = 30'  
MINIMUM SETBACK = 25'  
MINIMUM DISTANCE BETWEEN BUILDINGS = 16'
  - PROJECT AREA: 2.02 ACRES
  - PLAN REFERENCE: INFORMATION PROVIDED BY APPLICANT AND FROM PLAN OF PROPERTY MADE FOR STUART B. HERRICK JR., BANCROFT STREET, PORTLAND, MAINE JULY 31, 1966, R.P. TITCOMB ASSOC. INC.
  - SOLID WASTE: CURBSIDE BY CITY OF PORTLAND
  - PARKING: 1 PARKING SPACE / 5 FIXED SEATS  
PROPOSED 30 SEATS = 6 SPACES  
PRIVATE RESIDENCE = 2 SPACES  
PARKING REQUIRED = 8 SPACES  
PARKING PROVIDED = 20 SPACES
  - EXISTING HYDRANT 450' FROM PROPOSED DRIVEWAY.
  - IF LEDGE IS ENCOUNTERED DURING CONSTRUCTION A PRE-BLAST INVENTORY SHALL BE CONDUCTED AND SUBMITTED TO THE ENGINEERING DEPARTMENT.
  - ALL CONSTRUCTION AND SITE ALTERATIONS SHALL BE DONE IN ACCORDANCE WITH THE MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICES CUMBERLAND COUNTY SOIL AND WATER CONSERVATION DISTRICT, DEPARTMENT OF ENVIRONMENTAL PROTECTION, MARCH 2003.

NO.	DATE	DESCRIPTION
1	4/25/05	2nd Submission



**BH2M**  
Berry \* Huff \* McDonald \* Milligan Inc.  
ENGINEERS \* SURVEYORS \* PLANNERS  
25 State Street, Gorham, Maine 04038, (207) 839-2771

FOR  
Chabad Lubowitz  
Pomeroy Street  
Portland, Maine

**SITE PLAN**  
LAND OF  
CHABAD LUBOWITZ OF MAINE INC.  
POMEROY STREET  
PORTLAND, MAINE

I CERTIFY THAT THIS SURVEY CONFORMS TO THE MAINE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS TECHNICAL STANDARDS OF PRACTICE FOR A STANDARD BOUNDARY SURVEY WITH THE FOLLOWING EXCEPTIONS:

- NO SURVEYORS REPORT

THIS PLAN REVIEWED AND APPROVED BY THE CITY OF PORTLAND PLANNING BOARD.

CHAIR	DATE

**CITY OF PORTLAND**  
APPROVED SITE PLAN  
Subject to Dept. Approval  
Date of Approval: 4/25/05

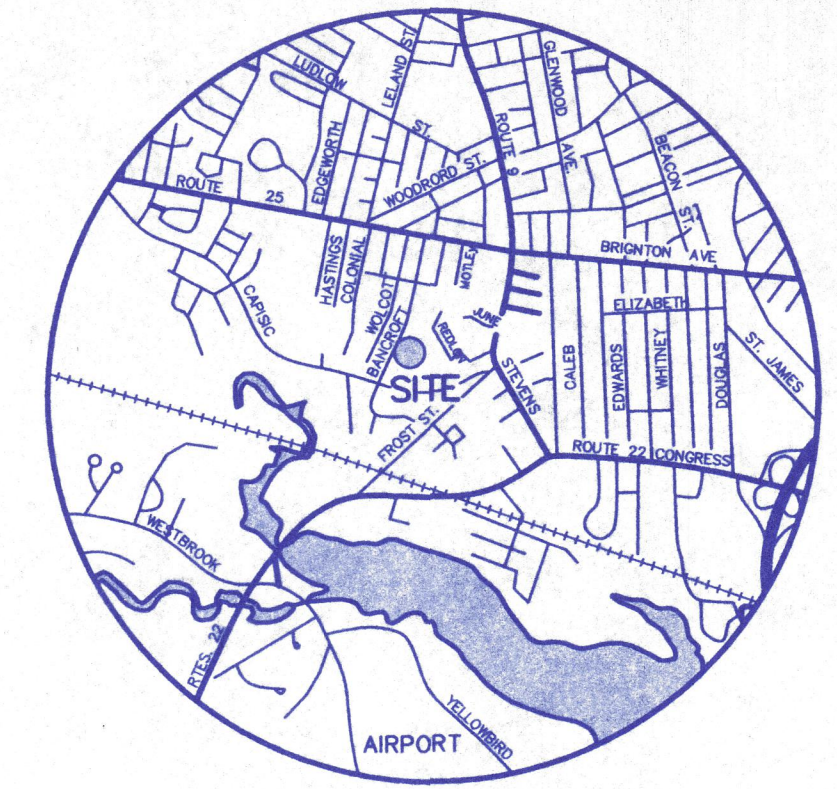
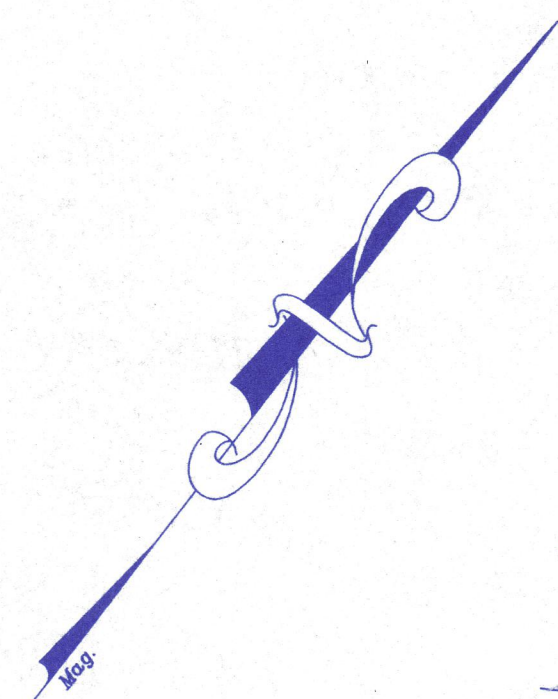
DESIGNED W. Pelkey	DATE March 2004
DRAWN Dept.	SCALE As Noted
CHECKED W. Thompson	JOB. NO. 03217

SHEET  
**1**

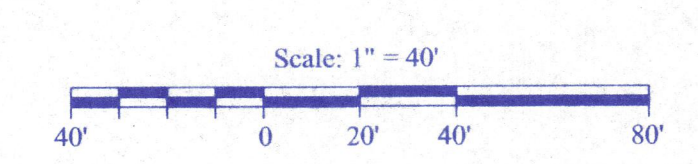
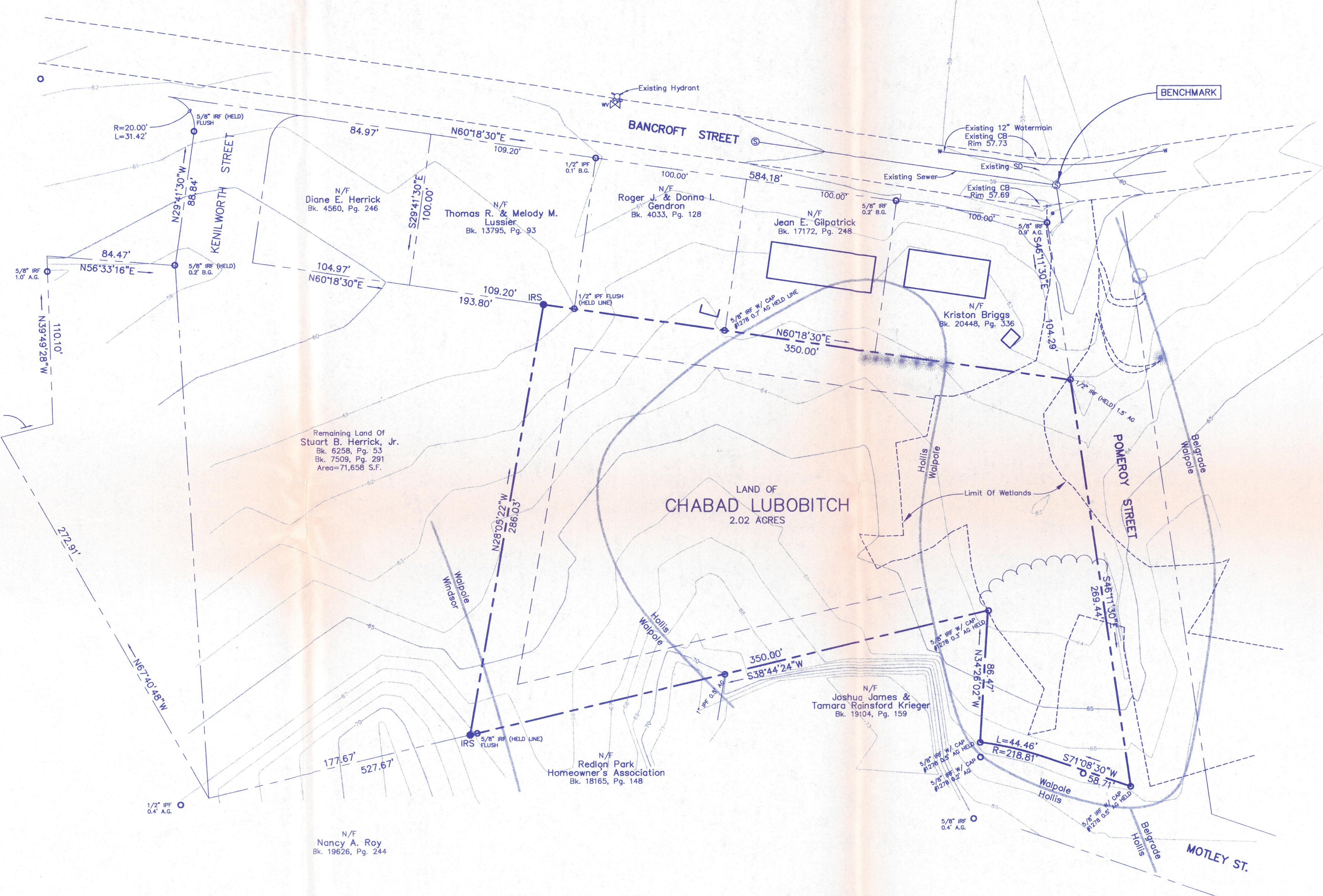
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*Robert C. Libby Jr.*





LOCATION MAP  
SCALE: 1" = .5 MILES



SYMBOL	DESCRIPTION
○ IRF	IRON ROD FOUND
○ IPF	IRON PIPE FOUND
□ CMF	GRANITE MONUMENT FOUND
● IRS	5/8" IRON ROD W/ CAP TO BE SET
□ GMS	GRANITE MONUMENT SET
- - -	LIMIT OF WETLANDS
—	EXISTING CONTOUR
—	SOIL BOUNDARY
N/F	NOW OR FORMERLY

- NOTES:
- OWNER/APPLICANT: CHABAD LUBOBITCH OF MAINE INC. POMEROY STREET PORTLAND, MAINE
  - SURVEYOR: ROBERT LIBBY JR., PLS#2190 BH2M INC.
  - WETLAND MAPPING: MARK HAMPTON ASSOCIATES PORTLAND, MAINE
  - TAX MAP REFERENCE: MAP 193, BLOCK E, LOT 19
  - DEED REFERENCES: BK. 6258, PG. 53
  - ZONING: R-3
  - PLAN REFERENCE: INFORMATION FOR THIS PLAN WAS PROVIDED BY APPLICANT AND FROM PLAN OF PROPERTY MADE FOR STUART B. HERRICK JR., BANCROFT STREET, PORTLAND, MAINE, JULY 31 1986, R.P. TITCOMB ASSOCIATES INC.
  - SOIL MAPPING FROM CUMBERLAND COUNTY MEDIUM INTENSITY SOIL MAP.
  - BENCHMARK: RIM OF SEWER MANHOLE INTERSECTION OF BANCROFT AND POMEROY, EL. 59.20 CITY OF PORTLAND DATUM

CITY OF PORTLAND  
APPROVED SITE PLAN  
Subject to Dept. Conditions  
Date of Approval: 7/12/05

I CERTIFY THAT THIS SURVEY CONFORMS TO THE MAINE BOARD OF REGISTRATION FOR LAND SURVEYORS STANDARD BOUNDARY SURVEY CATEGORY I, CONDITION I, WITH THE FOLLOWING EXCEPTIONS:

- NO SURVEYOR'S REPORT

*Robert C. Libby Jr.*  
ROBERT C. LIBBY JR.

PLS #2190

NO.	DATE	REVISION DESCRIPTION

**BH2M**  
Berry \* Huff \* McDonald \* Milligan Inc.  
ENGINEERS \* SURVEYORS \* PLANNERS  
28 State Street, Gorham, Maine 04038, (207) 839-2771

FOR  
Chabad Lubobitch  
Bancroft Street  
Portland, Maine

STANDARD BOUNDARY SURVEY AND EXISTING CONDITIONS PLAN  
LAND OF CHABAD LUBOBITCH OF MAINE INC.  
POMEROY STREET PORTLAND, MAINE

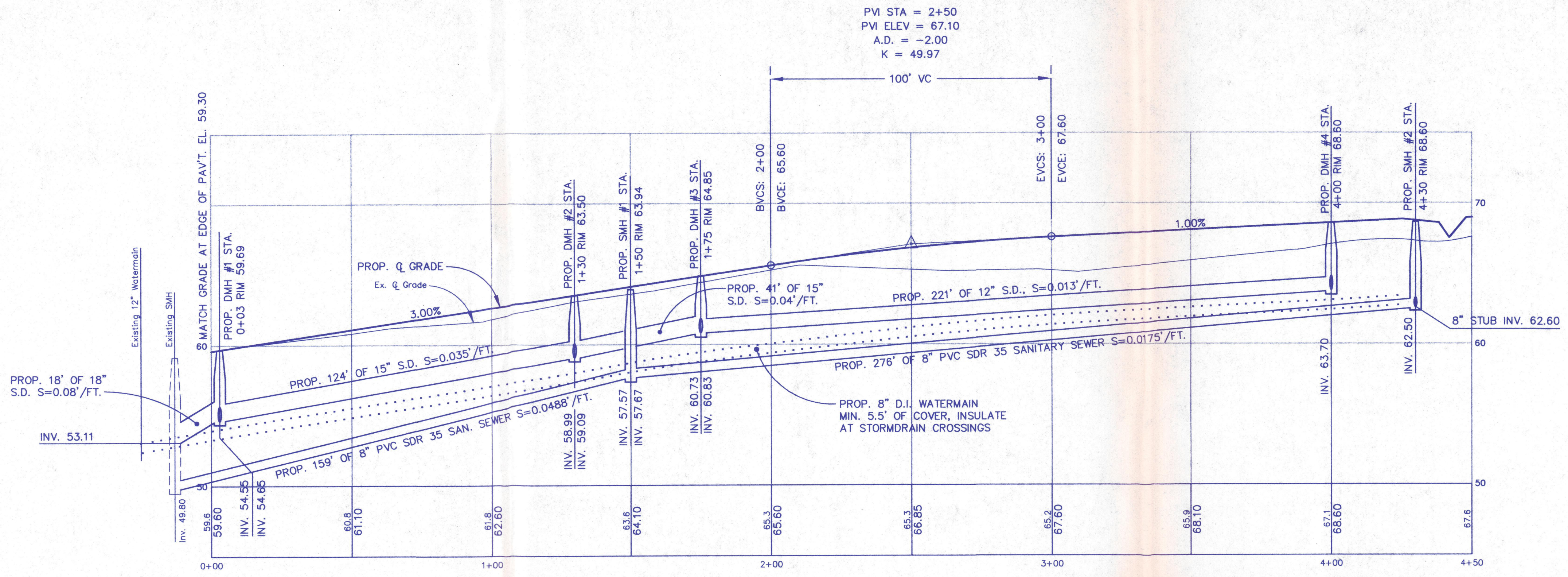
DESIGNED Survey	DATE March 2004
DRAWN Dept.	SCALE As Noted
CHECKED R. Libby Jr.	JOB. NO. 03217

SHEET  
2

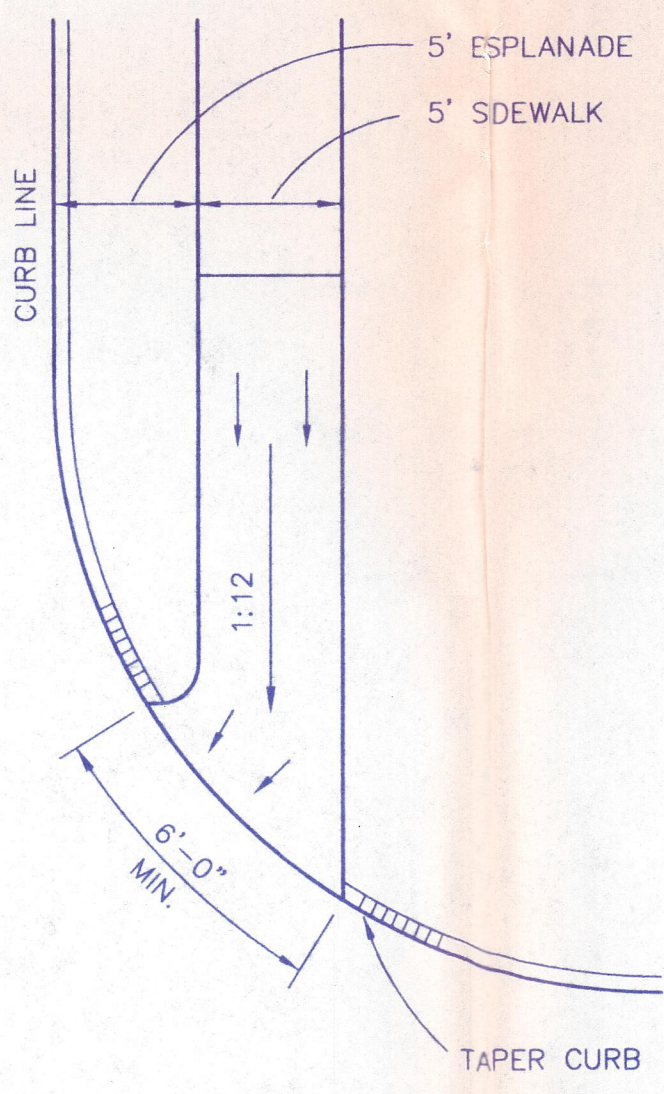
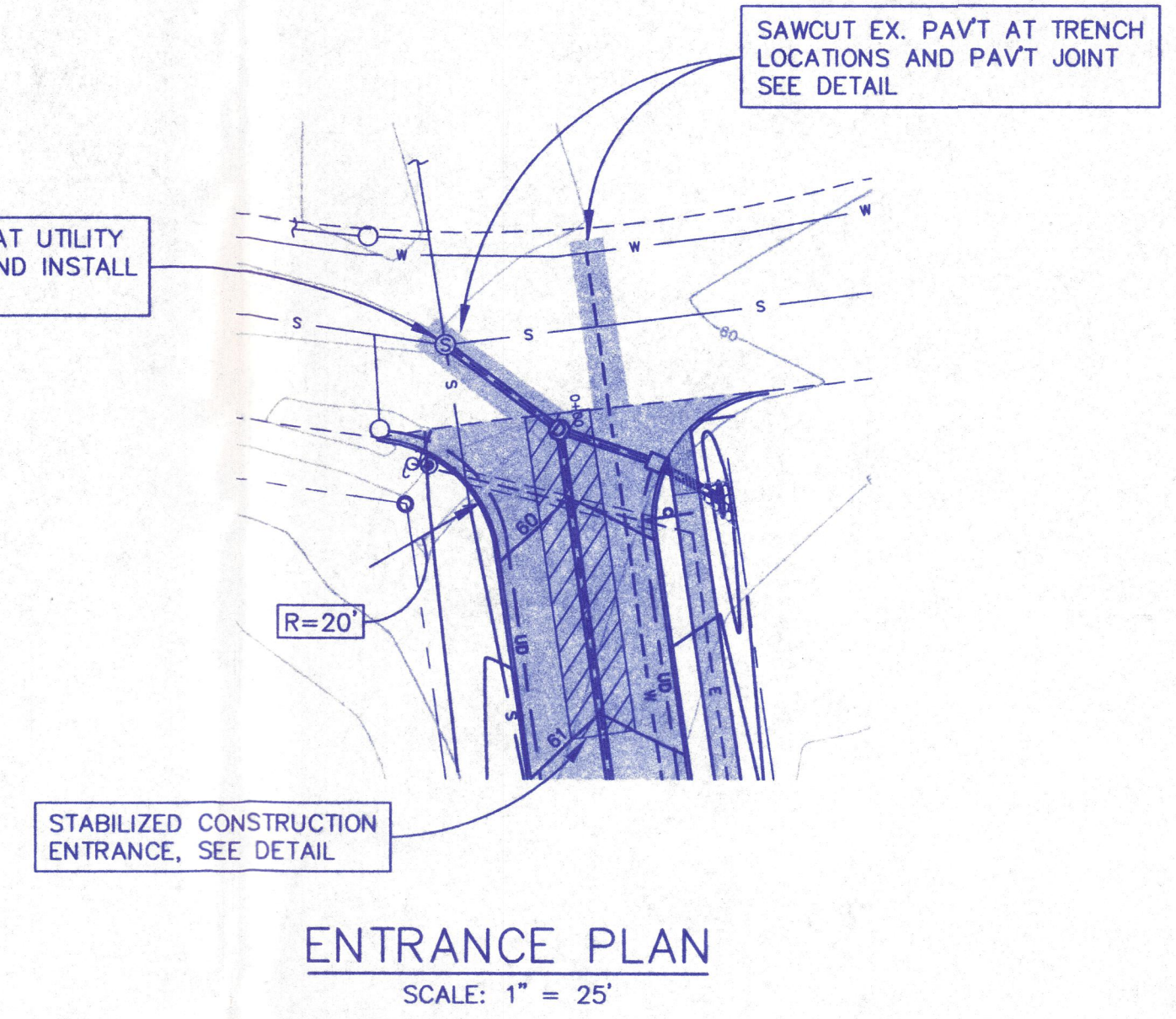
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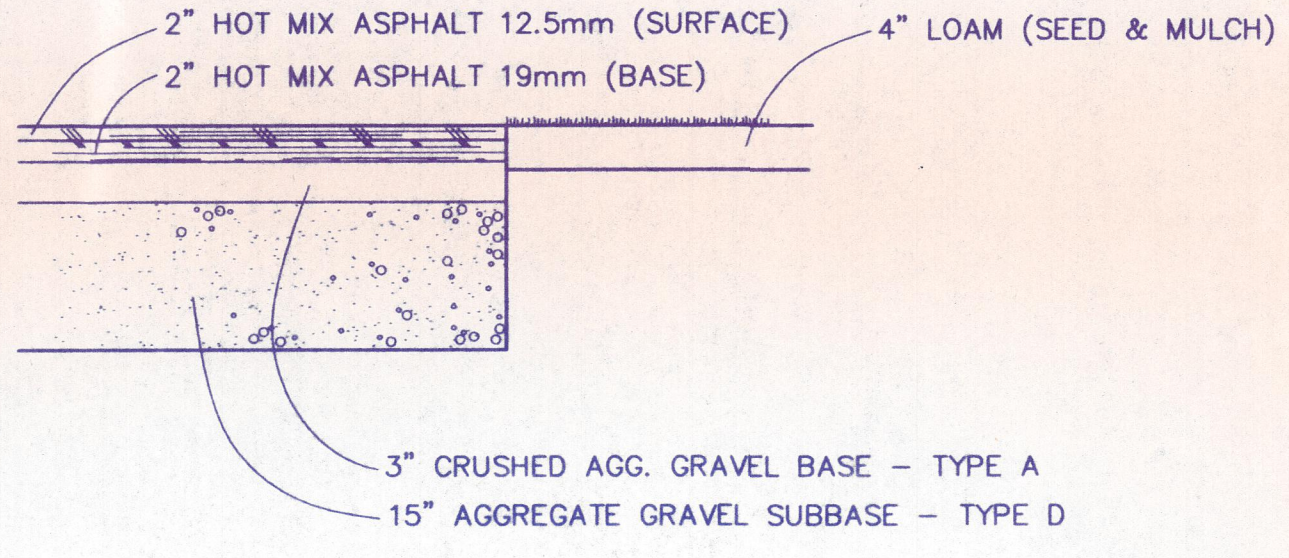




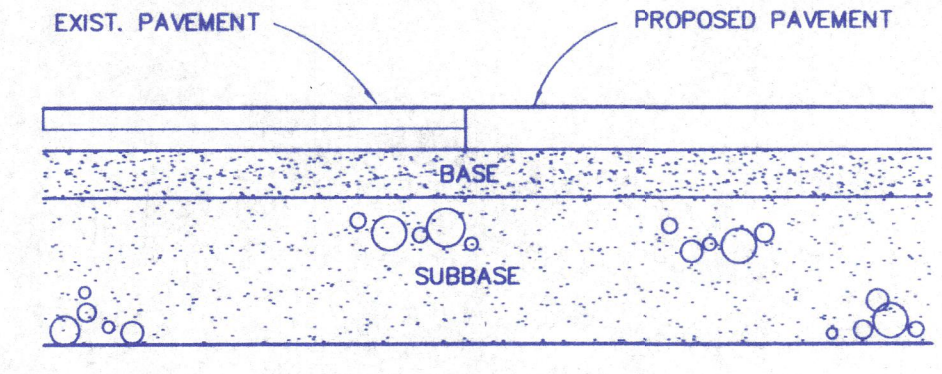
**POMEROY STREET PROFILE**  
 SCALE  
 VERTICAL: 1" = 5'  
 HORIZONTAL: 1" = 25'



**PEDESTRIAN RAMP**  
 N.T.S.

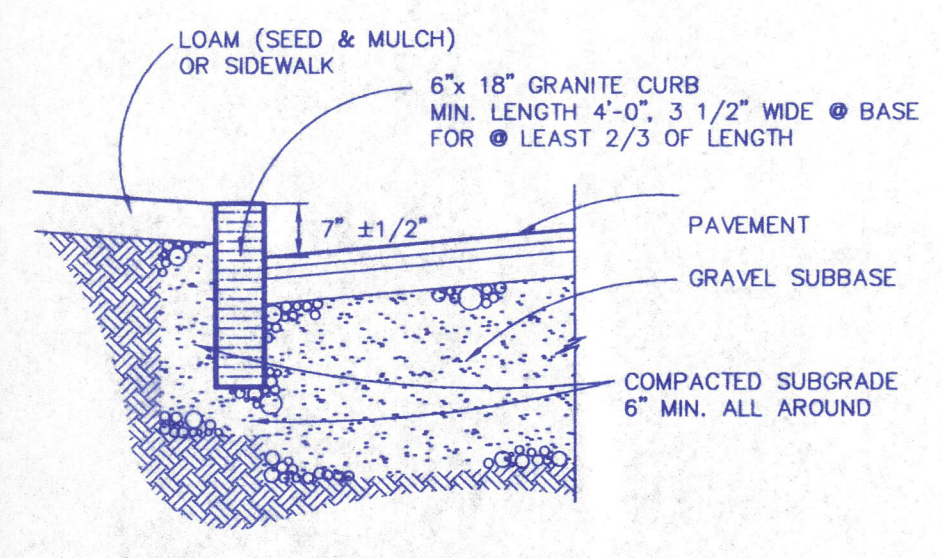


**TYP. PAVEMENT DETAIL**  
 N.T.S.

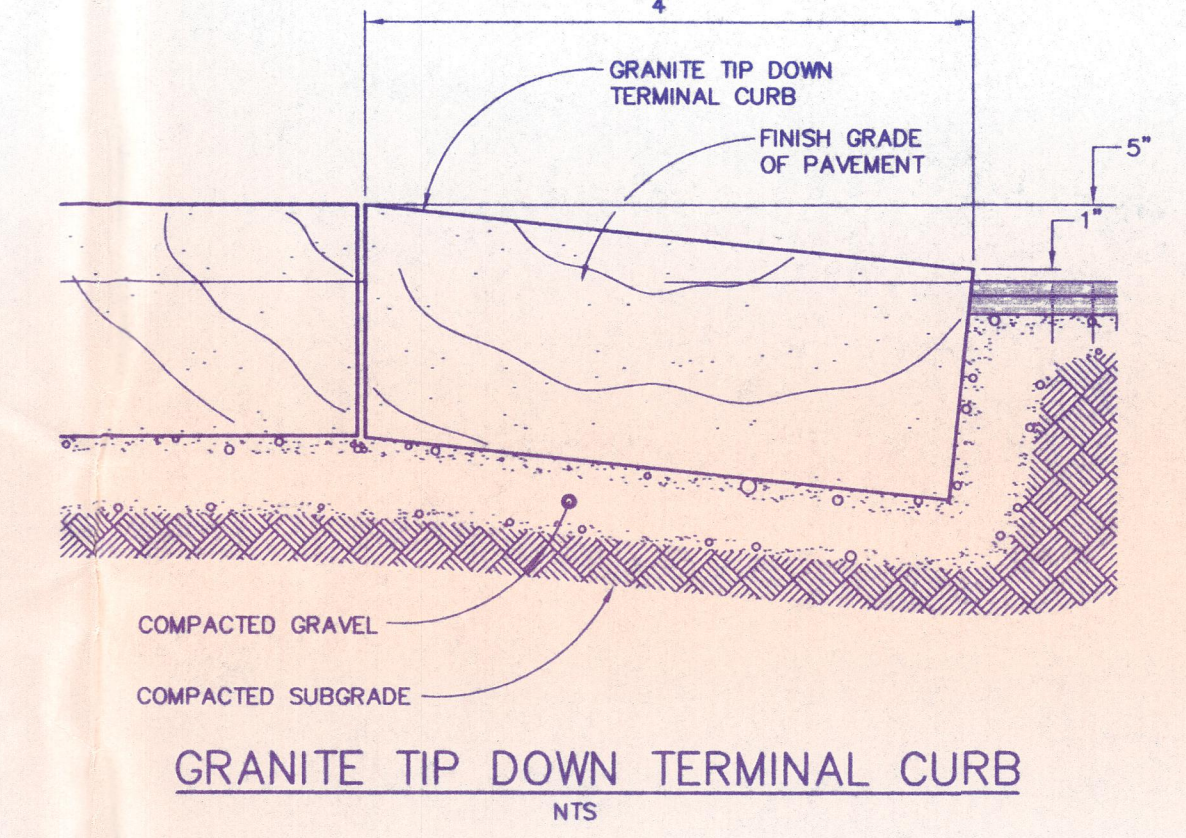


**PAVEMENT JOINT DETAIL**  
 N.T.S.

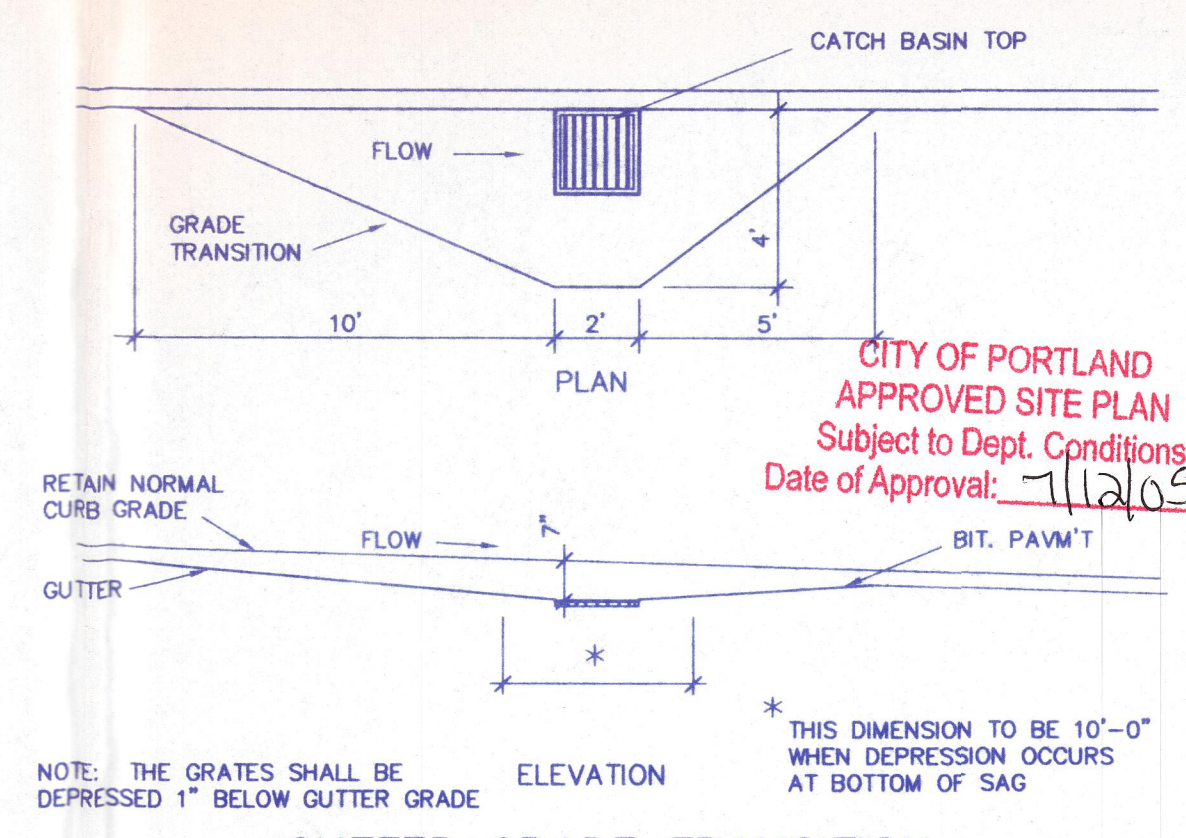
SAWCUT EXIST. PAVEMENT ALONG A SMOOTH LINE TO A NEAT EVEN VERTICAL JOINT. APPLY TACK PRIOR TO PROPOSED PAVING (AS REQ'D)



**VERTICAL GRANITE CURB DETAIL**  
 N.T.S.

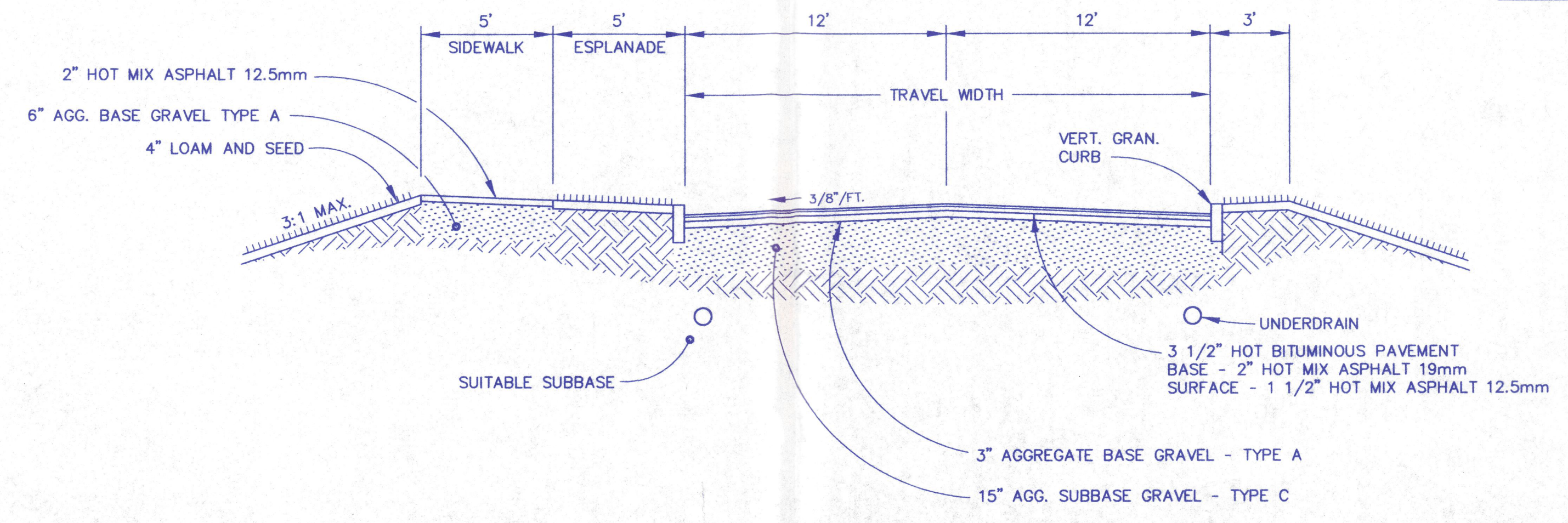


**GRANITE TIP DOWN TERMINAL CURB**  
 N.T.S.

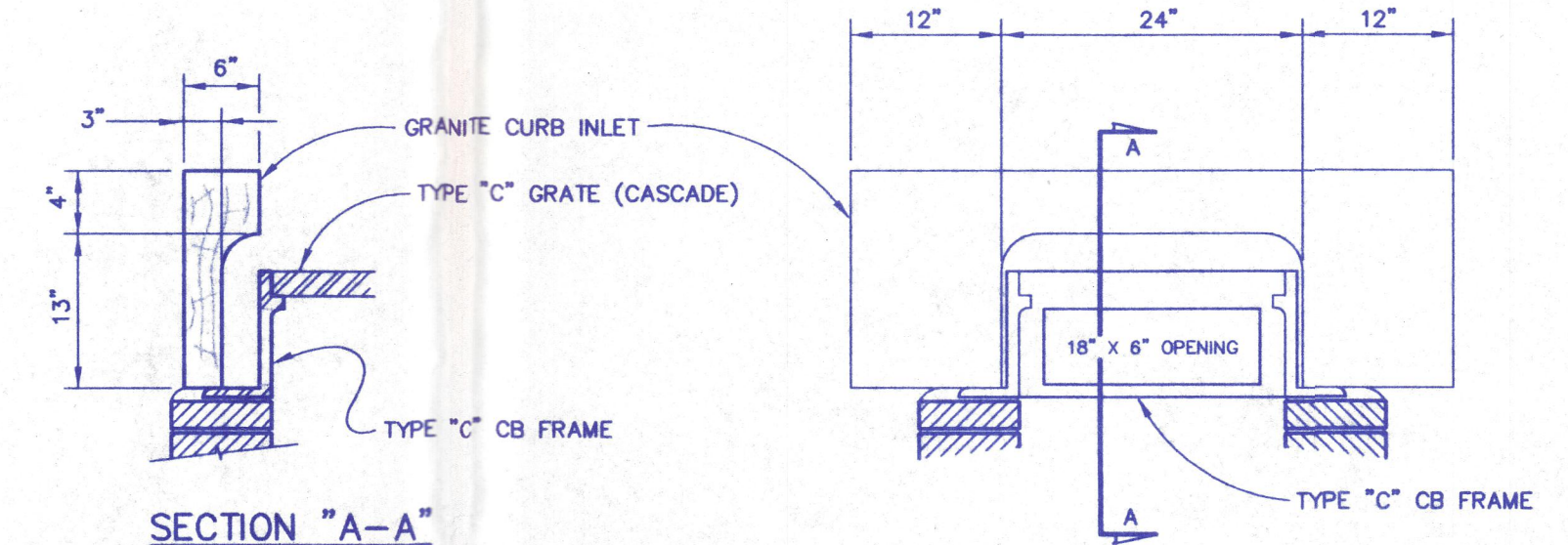


**GUTTER GRADE TRANSITION AT CURB @ CATCH BASIN**  
 N.T.S.

CITY OF PORTLAND  
 APPROVED SITE PLAN  
 Subject to Dept. Conditions  
 Date of Approval: 7/12/05



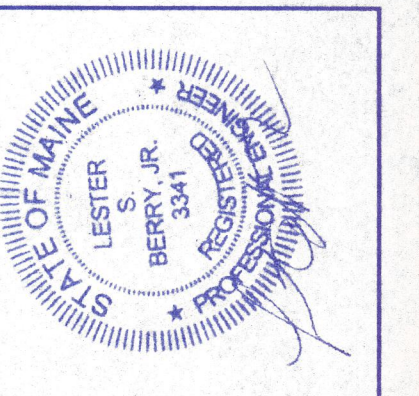
**ROADWAY SECTION**  
 N.T.S.



**SECTION "A-A"**

**CURB INLET DETAIL**  
 N.T.S.

NO.	DATE	REVISION DESCRIPTION
1	4/25/05	2nd Submission



**BH2M**  
 Barry \* Huff \* McDonald \* Milligan, Inc.  
 ENGINEERS \* SURVEYORS \* PLANNERS  
 28 State Street, Gorham, Maine 04038, (207) 839-2771

FOR  
 Chabad Lubavitch Of Maine Inc.  
 Pomeroy Street  
 Portland, Maine

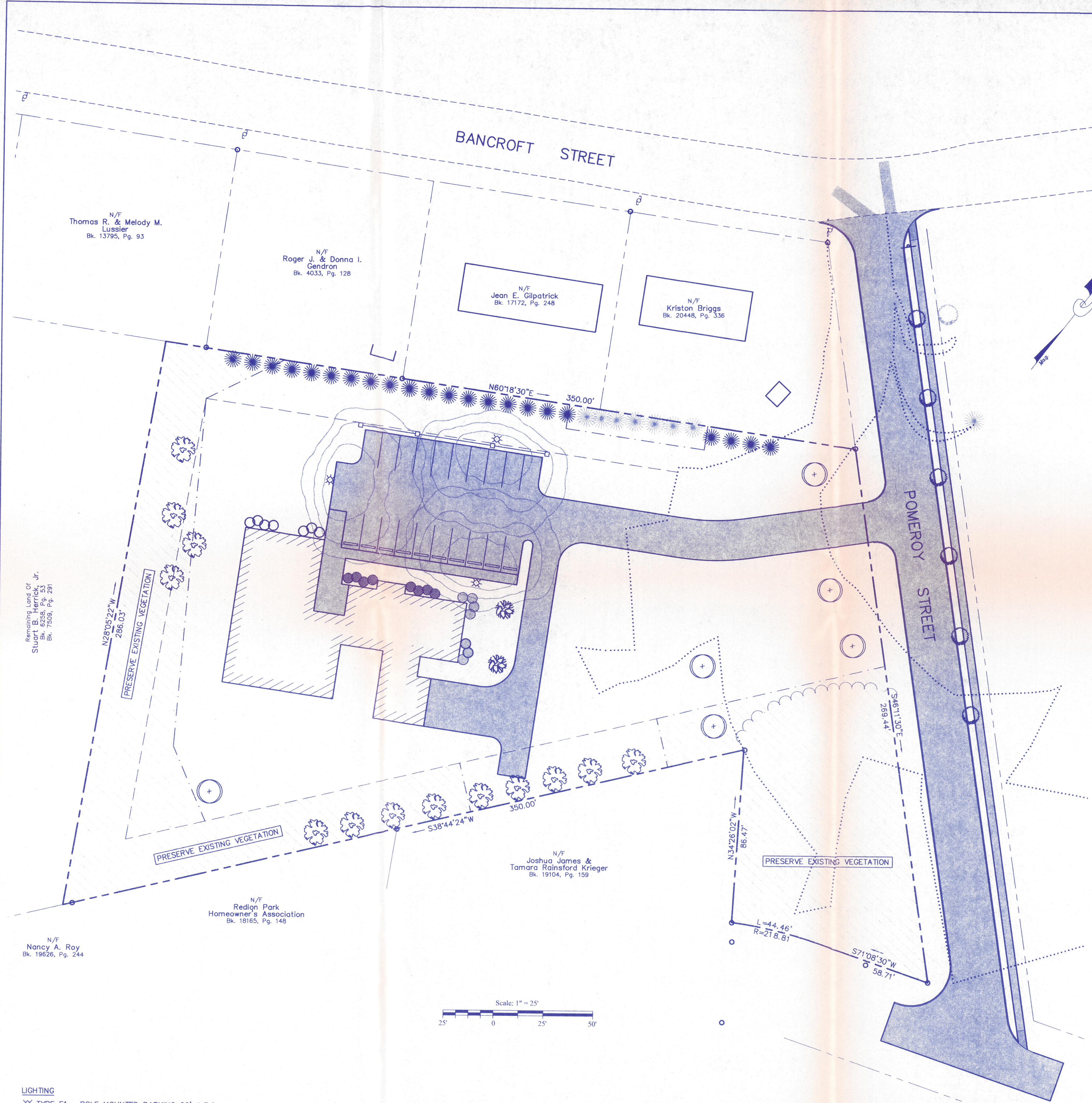
**MINOR STREET CONSTRUCTION**  
 POMEROY STREET  
 PORTLAND, MAINE

DESIGNED W. Thompson	DATE March 2004
DRAWN Dept.	SCALE As Noted
CHECKED W. Thompson	JOB. NO. 03217

SHEET  
**3**

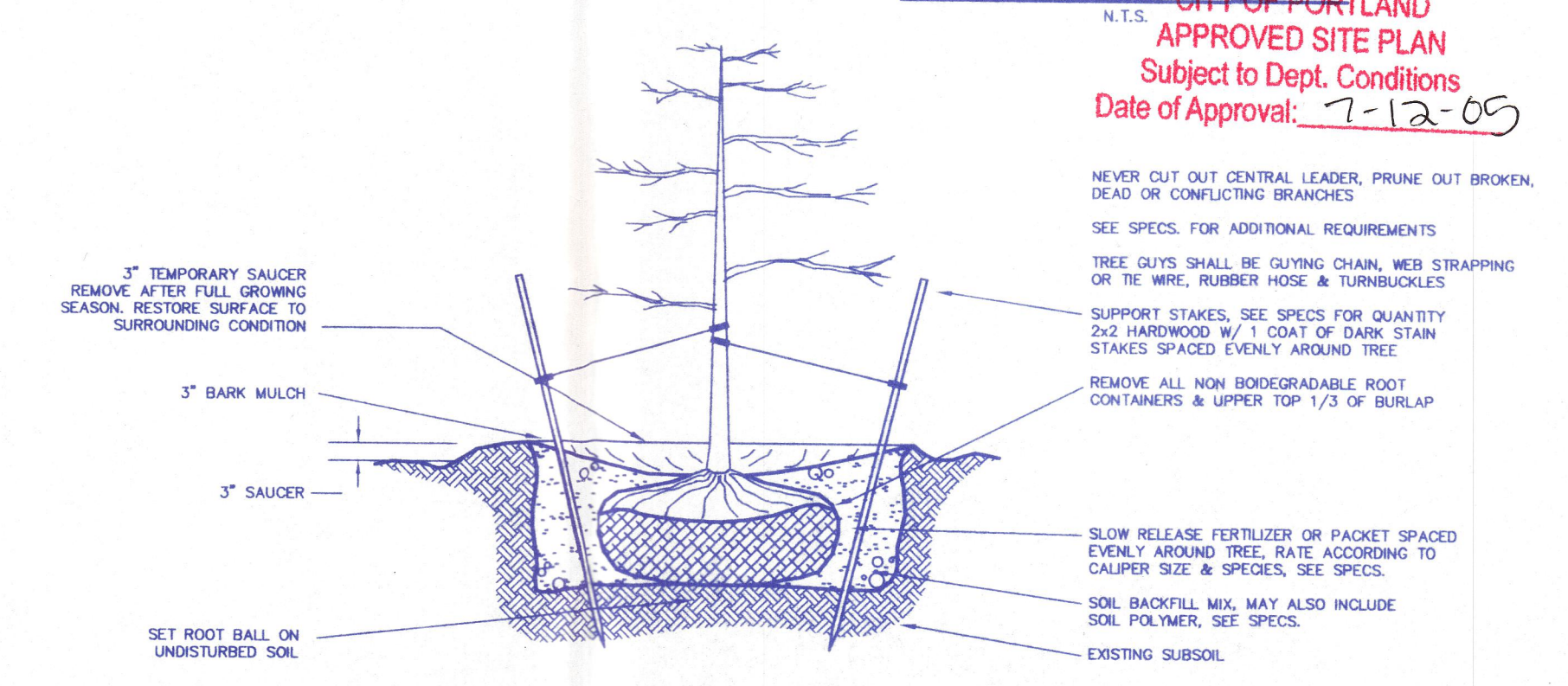
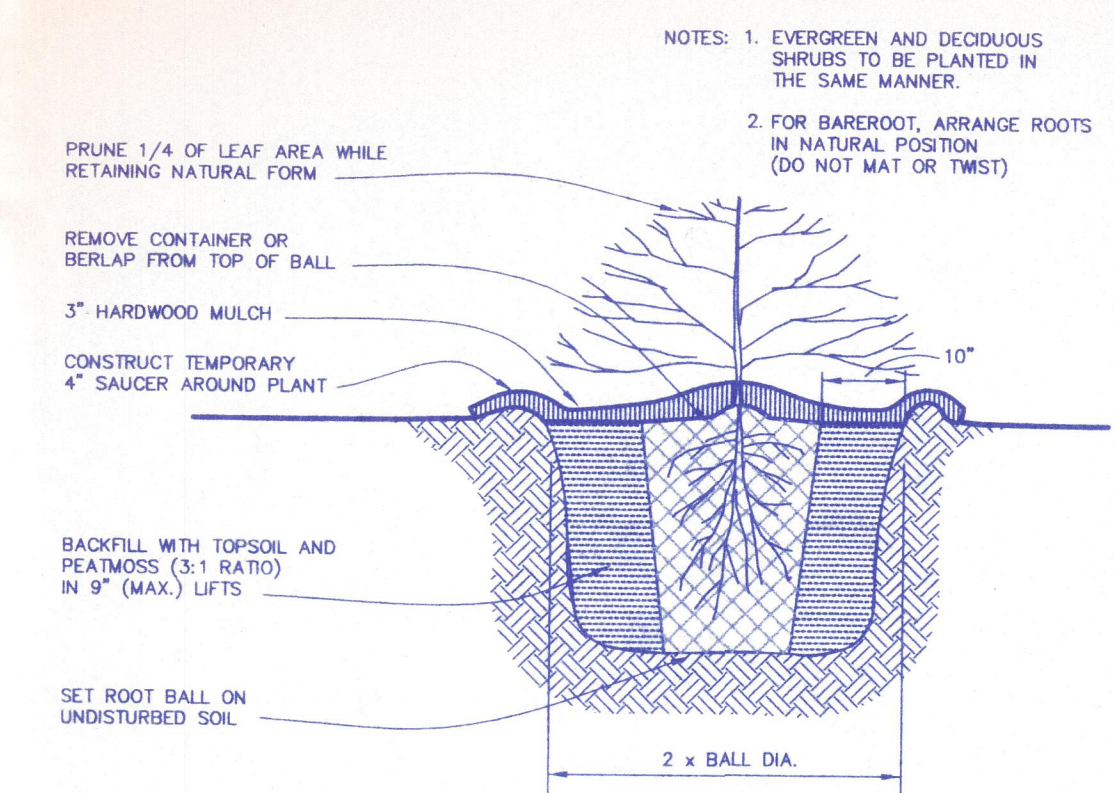
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- NOTES:
- ALL PROPOSED PLANTING LOCATIONS SHALL BE STAKED CAREFULLY AS SHOWN ON THE PLANS FOR FIELD REVIEW BY THE ENGINEER OR CITY.
  - CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES AND NOTIFY OWNER'S REPRESENTATIVE OF CONFLICTS.
  - NO PLANT MATERIAL SHALL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
  - INSTALL 3" OF BARK MULCH AT ALL PLANTING LOCATIONS.
  - ALL TREES SHALL BE BALLED AND BURLAPPED, UNLESS OTHERWISE NOTED OR APPROVED BY THE OWNER'S REPRESENTATIVE.
  - FINAL QUANTITY FOR EACH PLANT TYPE SHALL BE AS SHOWN ON THE PLAN. THIS NUMBER SHALL TAKE PRECEDENCE IN CASE OF ANY DISCREPANCY BETWEEN QUANTITIES SHOWN ON THE PLANT LIST AND ON THE PLAN.
  - ANY PROPOSED PLANT SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE CITY.
  - ALL PLANT MATERIALS INSTALLED SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE MAINE NURSERY AND LANDSCAPE ASSOCIATION.
  - ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.
  - EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH TEMPORARY SNOW FENCE. ERECT SNOW FENCE (OR EQUAL) AT THE DRIP LINE OF THE TREE. CONTRACTOR SHALL NOT STORE VEHICLES OR MATERIALS WITHIN THE LANDSCAPE AREAS. ANY DAMAGE TO EXISTING TREES, SHRUBS, OR LAWNS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
  - AREAS DESIGNATED "LOAM & SEED" SHALL RECEIVE 4" OF LOAM AND SPECIFIED SEED MIX. LAWNS OVER 3:1 SLOPE SHALL BE PROTECTED WITH EROSION CONTROL FABRIC.
  - THE CONTRACTOR SHALL HAVE ALL FALL TRANSPLANTING HAZARD PLANTS DUG IN THE SPRING AND STORED FOR FALL PLANTING.
  - LOAM AND SEED ALL AREAS NOT OTHERWISE TREATED.
  - THE PLAN IS INTENDED FOR LANDSCAPING PURPOSES ONLY. REFER TO SITE/CIVIL DRAWINGS FOR ALL OTHER SITE CONSTRUCTION INFORMATION.

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE
●	7	CLETHRA ALNIFOLIA 'SIXTEEN CANDLES'	SUMMERSWEET	18" - 24"
●	8	ILEX GLABRA	INKBERRY	2' - 3'
●	4	HYDRANGEA SERRATA 'BLUEBIRD'	BLUEBIRD HYDRANGIA	18" - 24"
●	3	RHODODENDRON LAETEVRENS	WILSON RHODODENDRON	18" - 24"
●	13	PINUS STROBUS	WHITE PINE	4' - 5'
●	22	THUJA NIGRA	DARK AMERICAN ARBORVITAE	4' - 5'
●	6	ACER FREEMANI	AUTUMN BLAZE MAPLE	2 1/2" CAL.
●	2	BETULA PAPHYRIFERA	WHITE BIRCH	8' - 10' CLUMP
●	6	CORYLUS COLURNA	TURKISH FILBERT	2 1/2" CAL.



NO.	DATE	REVISION DESCRIPTION



**BH2M**  
 Berry \* Huff \* MacDonald \* Milligan Inc.  
 ENGINEERS \* SURVEYORS \* PLANNERS  
 28 State Street, Gorham, Maine 04038, (207) 839-2771

FOR  
 Chabad Lubovitch  
 Bancroft Street  
 Portland, Maine

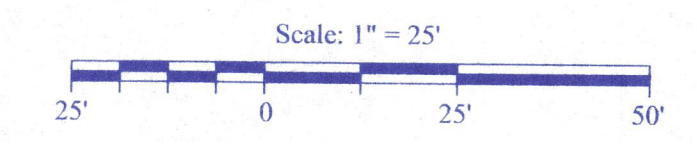
LANDSCAPING & LIGHTING  
 LAND OF  
 CHABAD LUBOVITCH OF MAINE INC.  
 POMEROY STREET  
 PORTLAND, MAINE

DESIGNED W. Pelkey	DATE March 2004
DRAWN Dept.	SCALE As Noted
CHECKED W. Thompson	JOB. NO. 03217

SHEET  
**4**

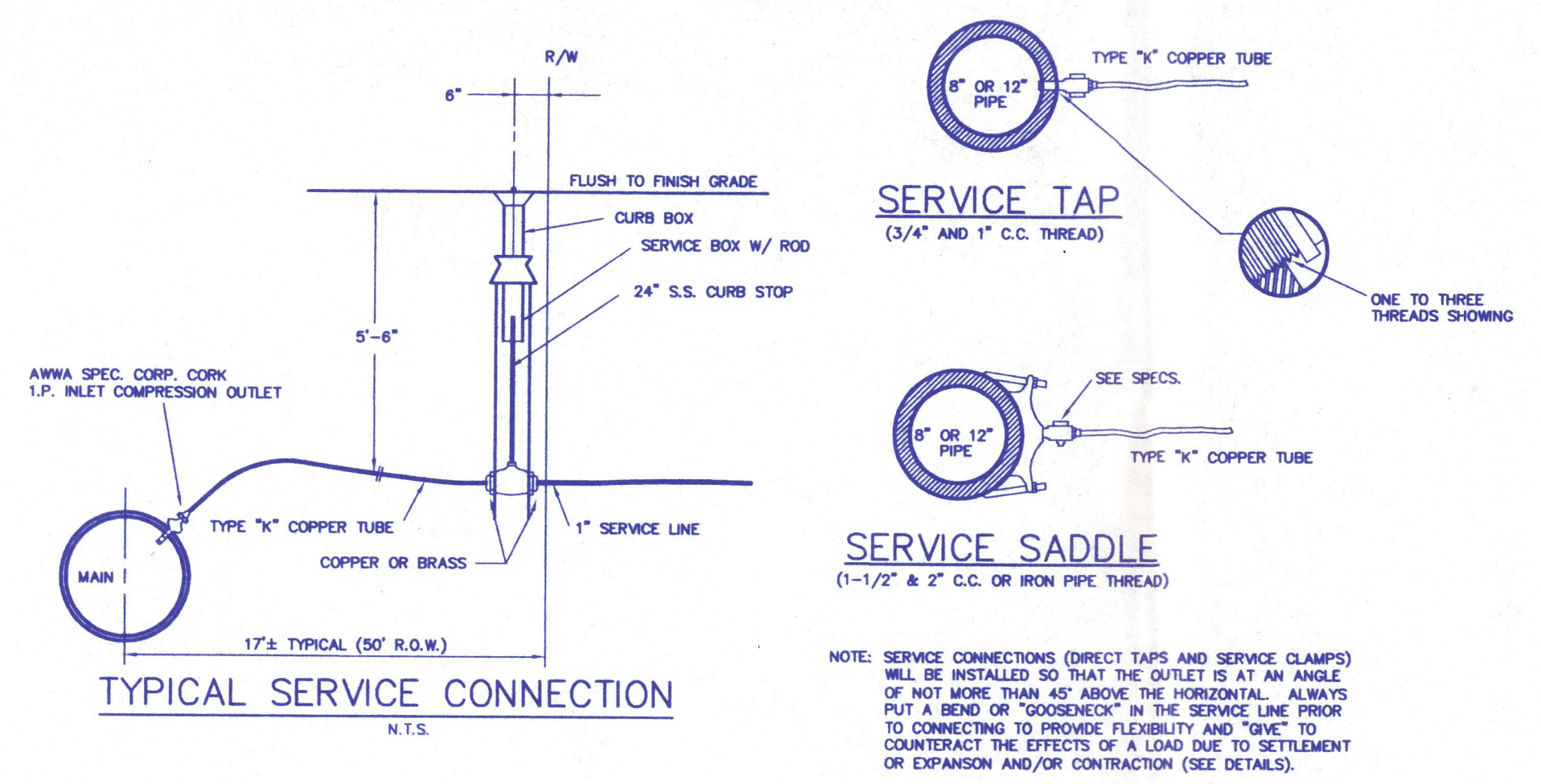
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LIGHTING  
 ✕ TYPE E1: POLE MOUNTED PARKING 20' A.F.G.  
 U.S. ARCHITECTURAL MODEL AERM-IV-100MH-MT-1/  
 SNTS-204-11-1 (OR EQUIVALENT).

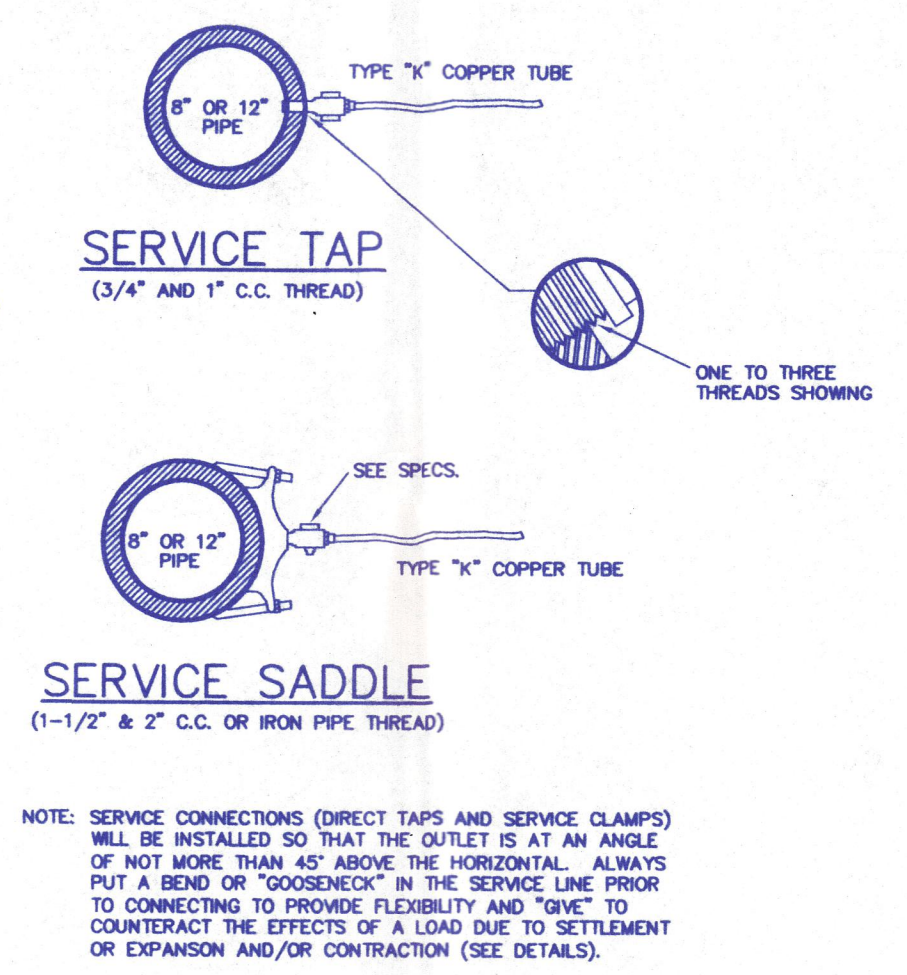


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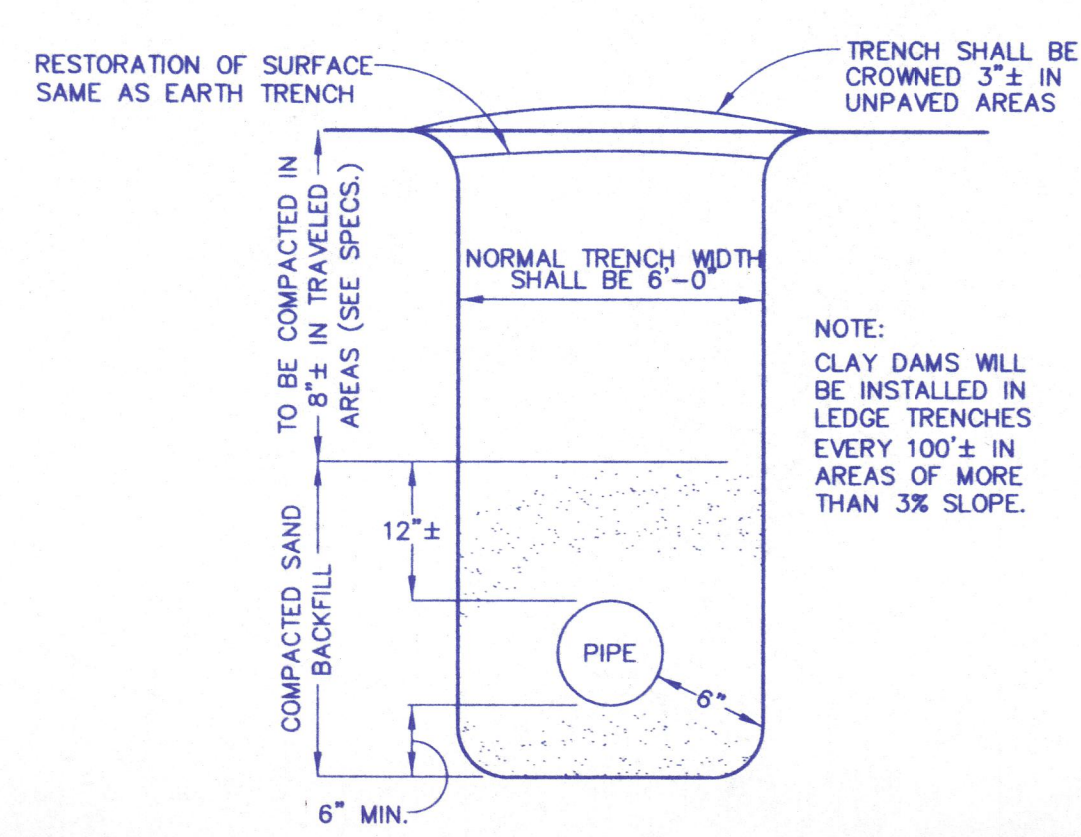
**TYPICAL SERVICE CONNECTION**  
N.T.S.



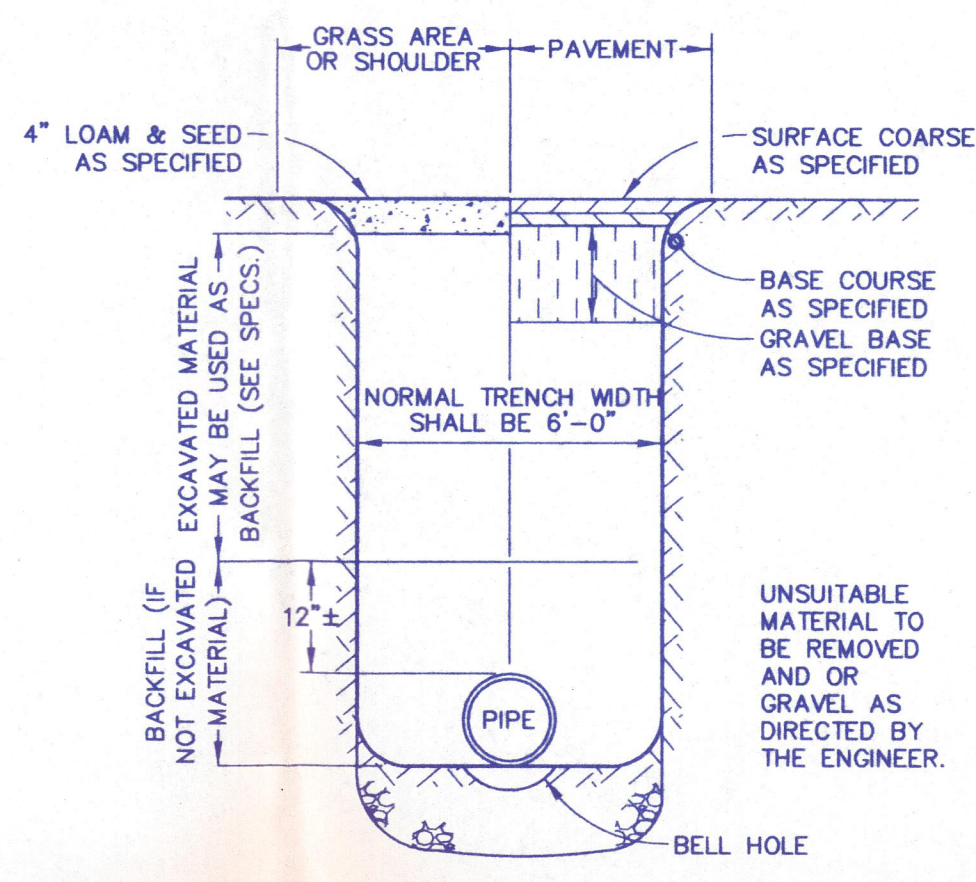
**SERVICE TAP**  
(3/4\"/>

**SERVICE SADDLE**  
(1-1/2\"/>

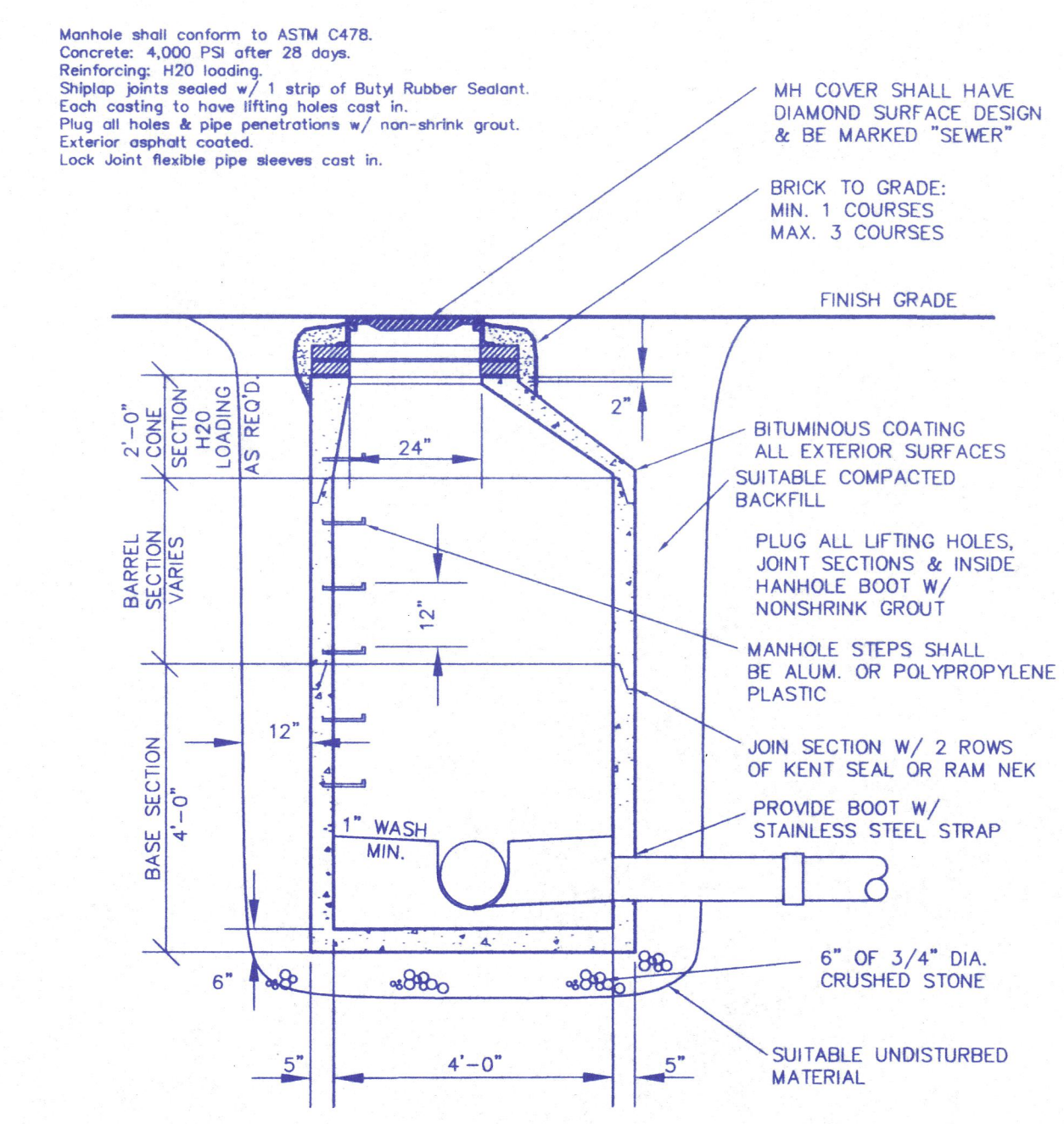
NOTE: SERVICE CONNECTIONS (DIRECT TAPS AND SERVICE CLAMPS) WILL BE INSTALLED SO THAT THE OUTLET IS AT AN ANGLE OF NOT MORE THAN 45° ABOVE THE HORIZONTAL. ALWAYS PUT A BEND OR "KNOCKOUT" IN THE SERVICE LINE PRIOR TO CONNECTING TO PROVIDE FLEXIBILITY AND "GIVE" TO COUNTERACT THE EFFECTS OF A LOAD DUE TO SETTLEMENT OR EXPANSION AND/OR CONTRACTION (SEE DETAILS).



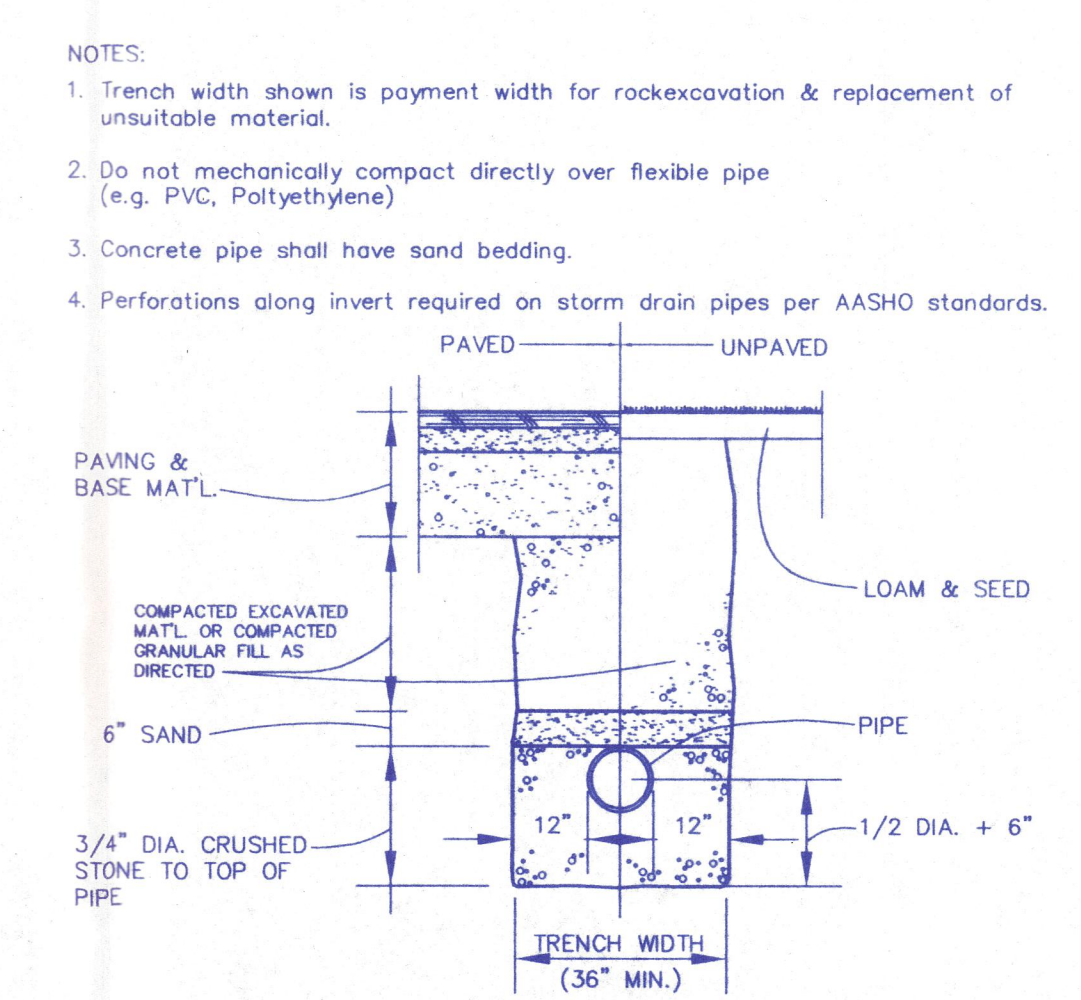
**WATER THROUGH LEDGE TRENCH**  
N.T.S.



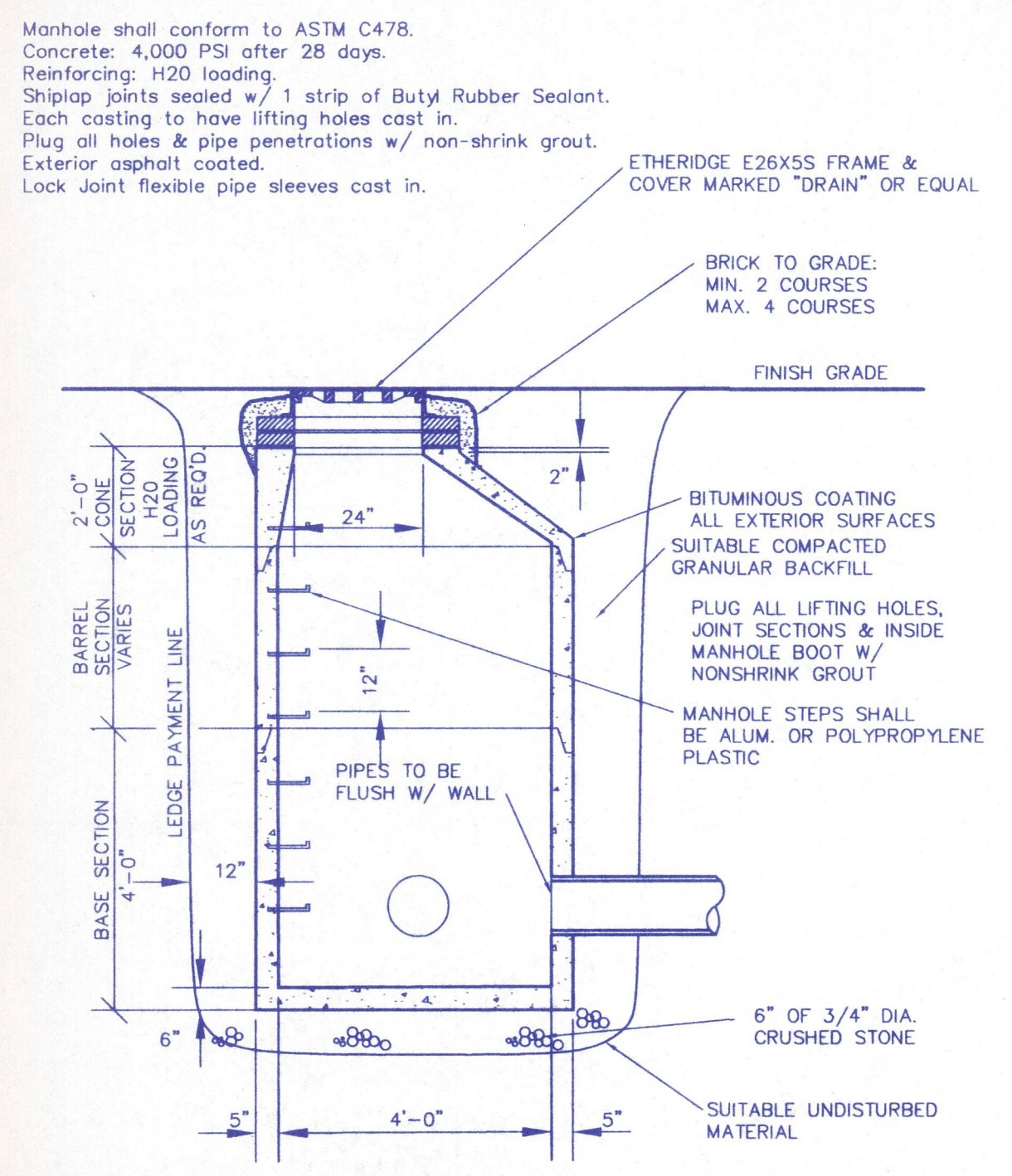
**WATER THROUGH EARTH TRENCH**  
N.T.S.



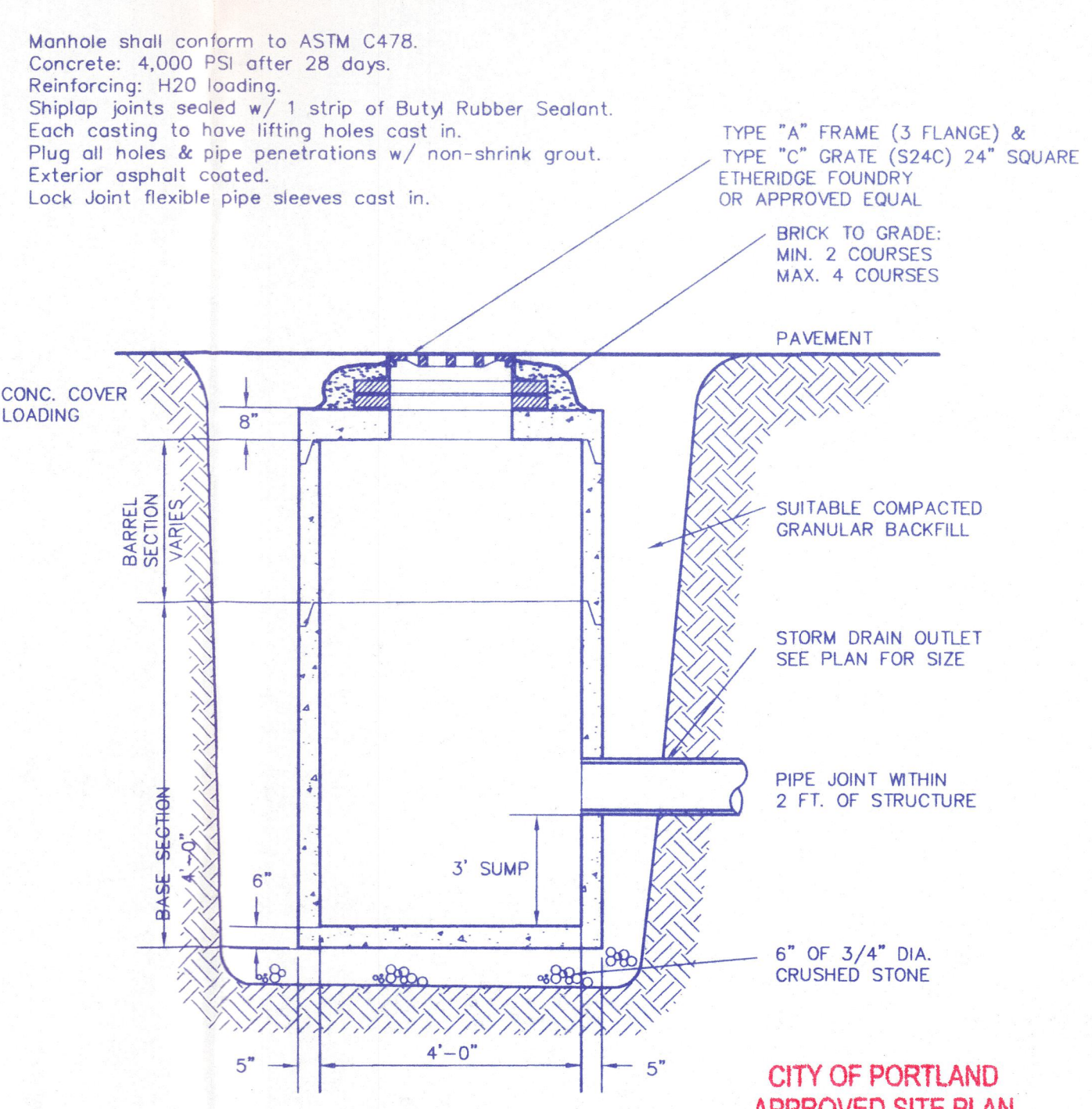
**PRECAST CONCRETE SANITARY SEWER MANHOLE**  
N.T.S.



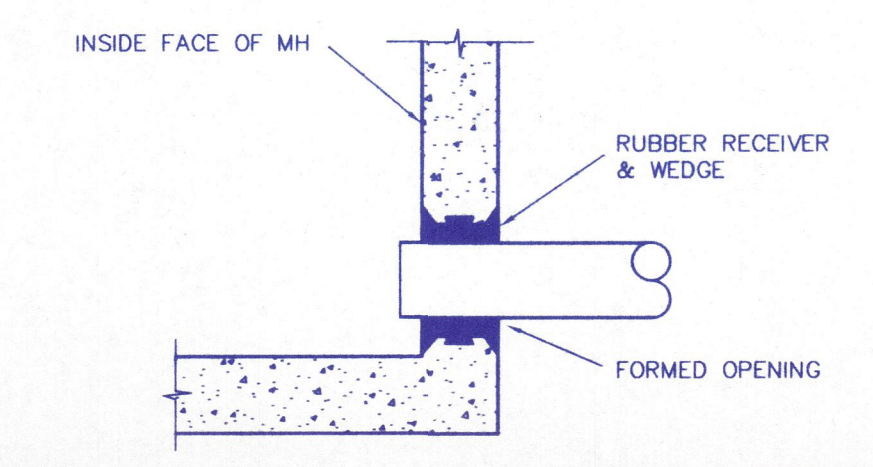
**TYPICAL TRENCH DETAIL STORMDRAIN & SANITARY SEWER**  
N.T.S.



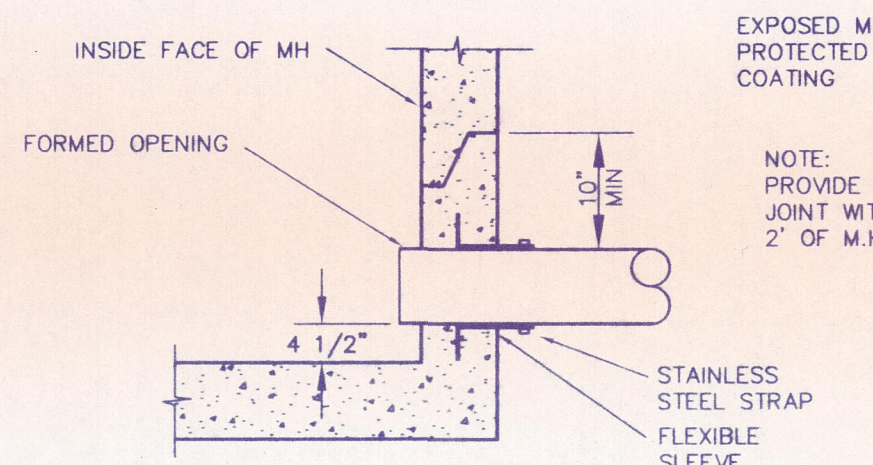
**PRECAST CONCRETE DRAIN MANHOLE**  
N.T.S.



**PRECAST CONCRETE CATCH BASIN DETAIL**  
N.T.S.

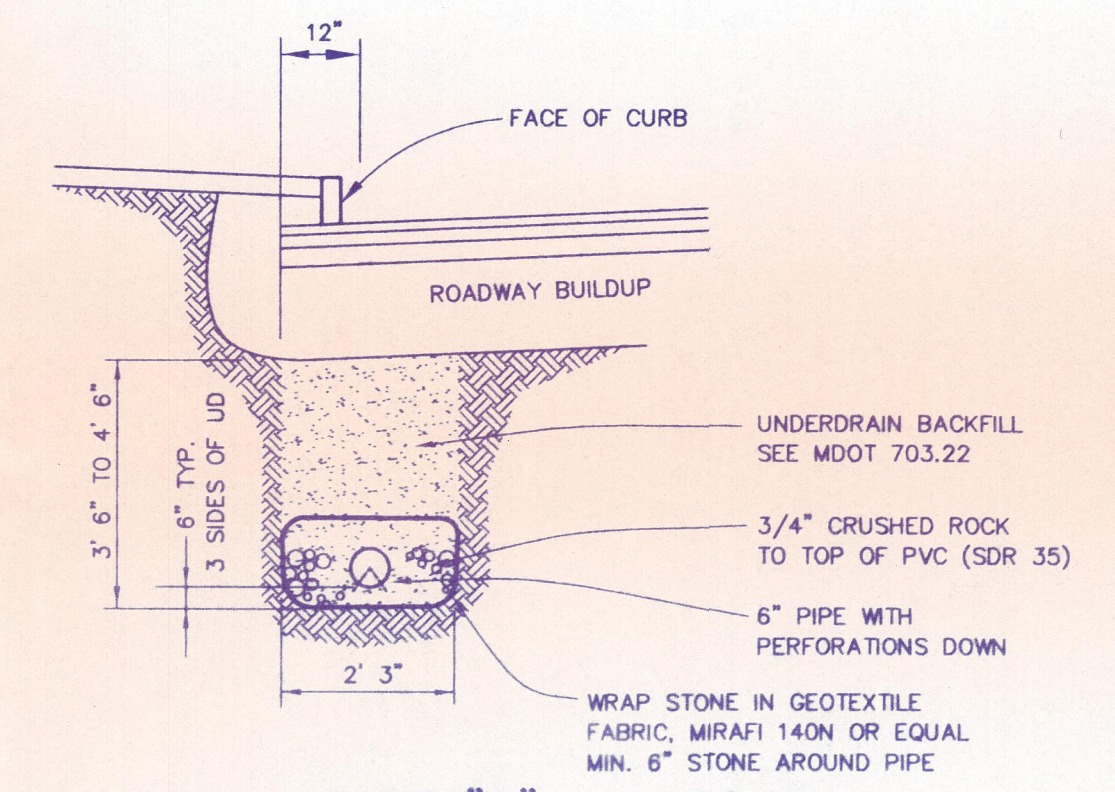


**16\"/>**



**4\"/>**

**MANHOLE TO PIPE CONNECTION DETAIL**  
N.T.S.



**TYPE \"/>**

Manhole shall conform to ASTM C478. Concrete: 4,000 PSI after 28 days. Reinforcing: H20 loading. Shipap joints sealed w/ 1 strip of Butyl Rubber Sealant. Each casting to have lifting holes cast in. Plug all holes & pipe penetrations w/ non-shrink grout. Exterior asphalt coated. Lock Joint flexible pipe sleeves cast in.

Manhole shall conform to ASTM C478. Concrete: 4,000 PSI after 28 days. Reinforcing: H20 loading. Shipap joints sealed w/ 1 strip of Butyl Rubber Sealant. Each casting to have lifting holes cast in. Plug all holes & pipe penetrations w/ non-shrink grout. Exterior asphalt coated. Lock Joint flexible pipe sleeves cast in.

CITY OF PORTLAND  
APPROVED SITE PLAN  
Subject to Dept. Conditions  
Date of Approval: 7-12-05

NO.	DATE	REVISION DESCRIPTION



**BH2M**  
Berry \* Huff \* McDonald \* Milligan Inc.  
ENGINEERS \* SURVEYORS \* PLANNERS  
28 State Street, Gorham, Maine 04038, (207) 839-2771

FOR  
Chabad Lubboitch  
Bancroft Street  
Portland, Maine

LAND OF  
CHABAD LUBBOITCH OF MAINE INC.  
POMEROY STREET  
PORTLAND, MAINE

DESIGNED W. Thompson	DATE March 2004
DRAWN C. Logan	SCALE As Noted
CHECKED W. Thompson	JOB. NO. 03217

DETAIL SHEET  
SHEET  
**5**  
REPRODUCTION OR REUSE OF THIS DOCUMENT WITHOUT THE EXPRESSED WRITTEN CONSENT OF BROW INC. IS PROHIBITED



EROSION AND SEDIMENT CONTROL PLAN

THIS PLAN HAS BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION IN DEVELOPING AREAS AS CONTAINED IN THE "MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICES", CUMBERLAND COUNTY S.W.C.D. DEPARTMENT OF ENVIRONMENTAL PROTECTION DATED MARCH 1991.

THE PROPOSED LOCATIONS OF SILTATION AND EROSION CONTROL STRUCTURES ARE SHOWN ON THE SITE PLAN.

- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE IN ACCORDANCE WITH THE "MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICES", CUMBERLAND COUNTY S.W.C.D. DEPARTMENT OF ENVIRONMENTAL PROTECTION DATED 1991.
- THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 15 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 100 FEET OF A STREAM OR POND, THE AREA SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY STORM EVENT (THIS WOULD INCLUDE WETLANDS).
- SEDIMENT BARRIERS (SILT FENCE, HAY BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM.
- INSTALL SILT FENCE AT TOE OF SLOPES TO FILTER SILT FROM RUNOFF. SEE SILT FENCE DETAIL FOR PROPER INSTALLATION. SILT FENCE WILL REMAIN IN PLACE PER NOTE #5.
- ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY BEFORE AND FOLLOWING ANY SIGNIFICANT RAINFALL (0.5 INCHES) OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE STABILIZED BY TURF.
- NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2 TO 1).
- IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCHING (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
- TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED BY AUG. 15 OR 45 DAYS PRIOR TO THE FIRST KILLING FROST (OCT. 1) TO PROTECT FROM SPRING RUNOFF PROBLEMS.
- DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED ONTO OPEN AREAS. POST SEEDING SEDIMENT, IF ANY WILL BE DISPOSED OF IN AN ACCEPTABLE MANNER.
- REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:
  - FOUR INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
  - APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 POUNDS PER ACRE OR 18.4 POUNDS PER 1,000 SQUARE FEET USING 10-20-20 (N-P20S-K20) OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB PER 1,000 SQ. FT.).
  - FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEED TO A MIXTURE OF 47% CREEPING RED FESCUE, 3% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUEGRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS. SEEDING RATE IS 1.03 LBS PER 1000 SQ. FT. LAWN QUALITY SOO MAY BE SUBSTITUTED FOR SEED. SEED MIX SHALL CONTAIN 10% ANNUAL RYE GRASS.
  - HAY MULCH AT THE RATE OF 70-90 LBS PER 1000 SQUARE FEET OR A HYDRO-APPLICATION OF ASPHALT, WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WILL BE USED ON HAY MULCH FOR WIND CONTROL.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED. TEMPORARY EROSION AND SEDIMENT CONTROL BLANKET SHALL BE USED IN ALL DITCHES AND SWALES AS SHOWN IN DETAILS.
- WETLANDS WILL BE PROTECTED WITH HAYBALES AND/OR SILT FENCE INSTALLED AT THE EDGE OF THE WETLAND OR THE BOUNDARY OF WETLAND DISTURBANCE.

MULCH AND MULCH ANCHORING

MULCH

LOCATION	MULCH	RATE (1000 S.F.)
PROTECTED AREA	STRAW OR HAY *	100 POUNDS
WINDY AREAS	SHREDDED OR CHOPPED CORNSTALKS	185-275 POUNDS
	STRAW OR HAY (ANCHORED) *	100 POUNDS
MODERATE TO HIGH VELOCITY AREAS OR STEEP SLOPES (GREATER THAN OR EQUAL TO 3:1)	JUTE MESH OR EXCELSIOR MAT	AS REQUIRED
(GREATER THAN OR EQUAL TO 3:1)		AS REQUIRED

- \* A HYDRO-APPLICATION OF ASPHALT, WOOD, OR PAPER FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS SHALL BE USED ON HAY MULCH FOR WIND CONTROL.

MULCH ANCHORING

ANCHOR MULCH WITH PEG AND TWINE (1 SQ. YD./BLOCK); MULCH NETTING (AS PER MANUFACTURER); ASPHALT EMULSION (0.04 GALLONS PER SQ. YD.); LIQUID ASPHALT (0.10 GALLONS PER SQ. YD.); WOOD CELLULOSE FIBER (750 LBS./ACRE); CHEMICAL TACK (AS PER MANUFACTURER'S SPECIFICATIONS); USE OF A SERRATED STRAIGHT DISK. WETTING FOR SMALL AREAS AND ROAD DITCHES MAY BE PERMITTED.

Additional temporary seed mixture (for periods less than 12 months).

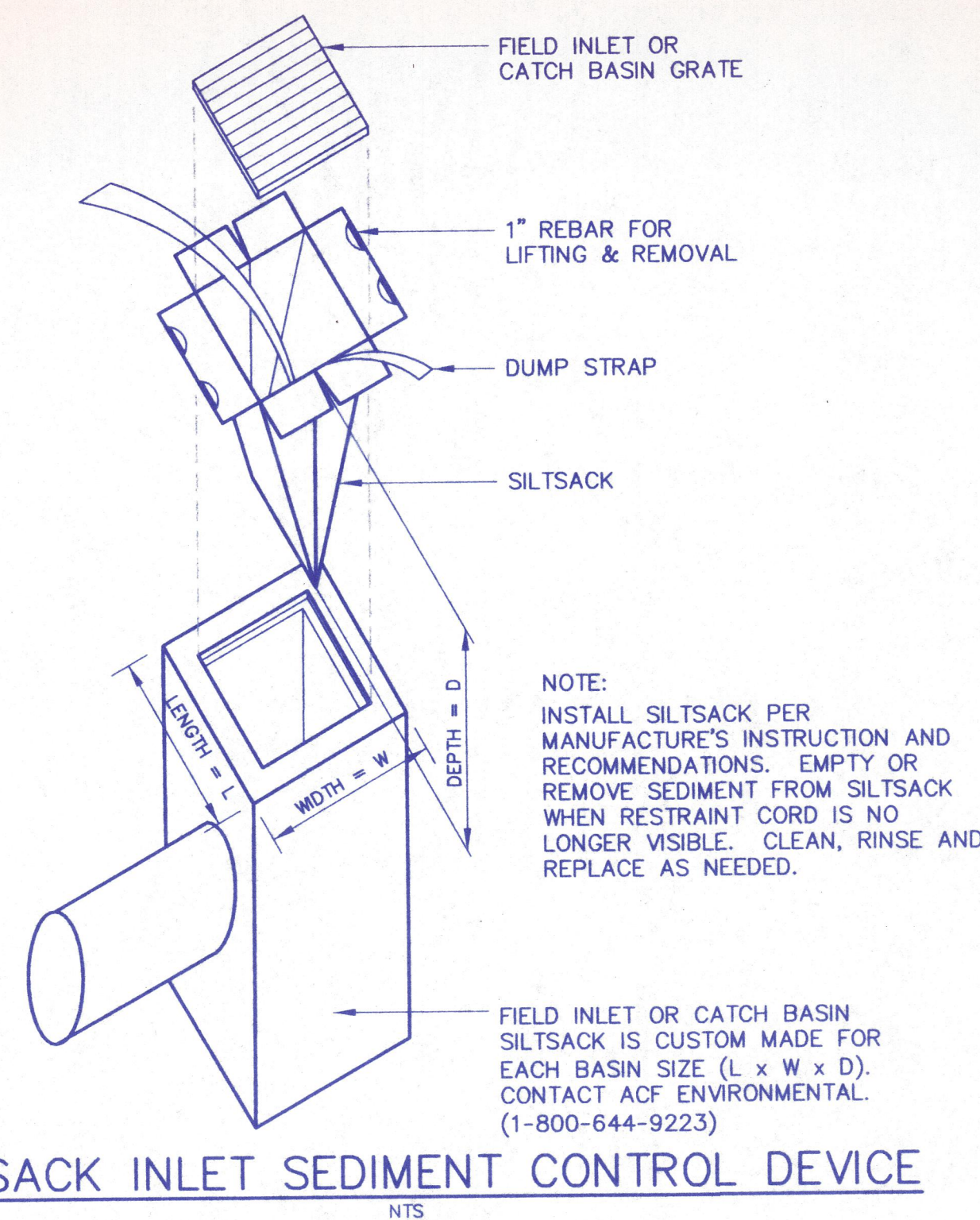
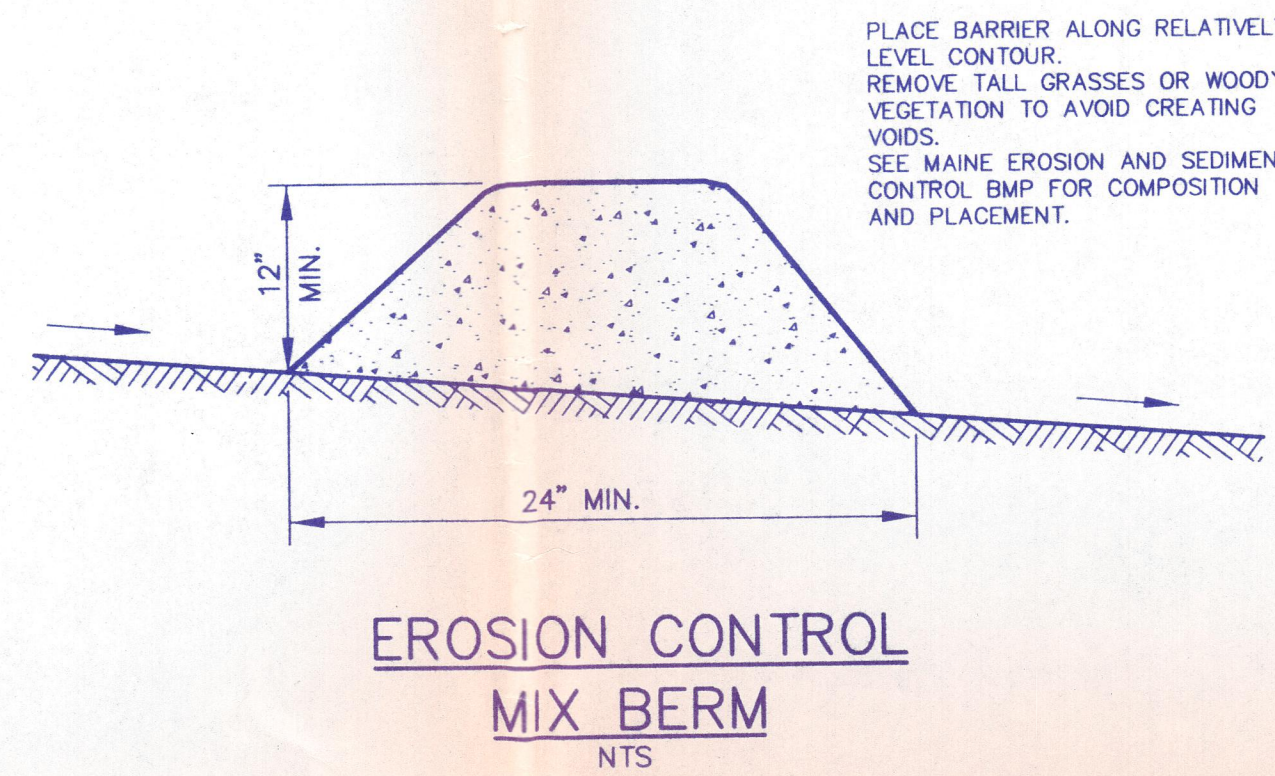
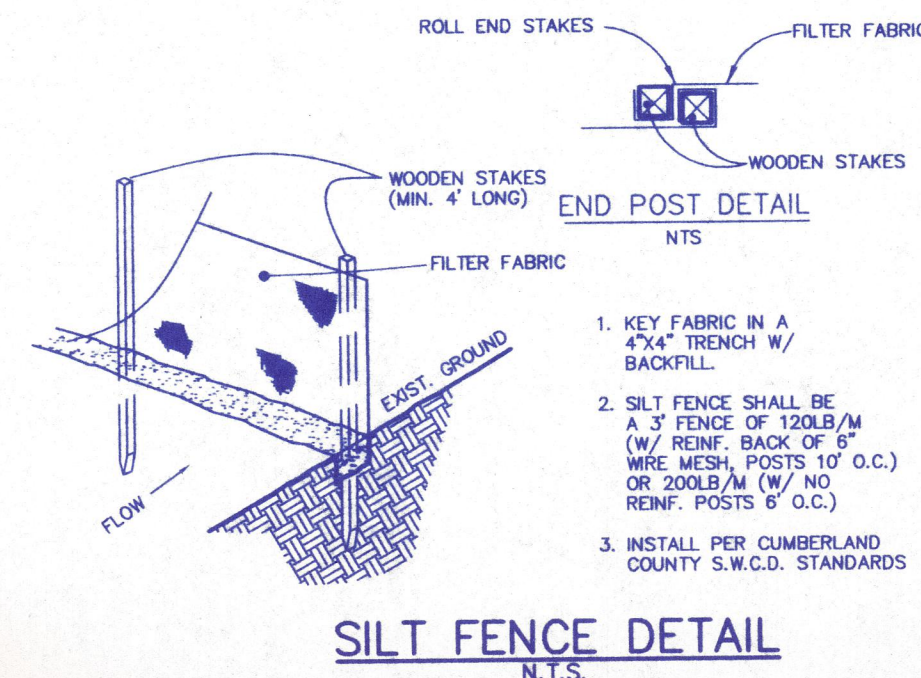
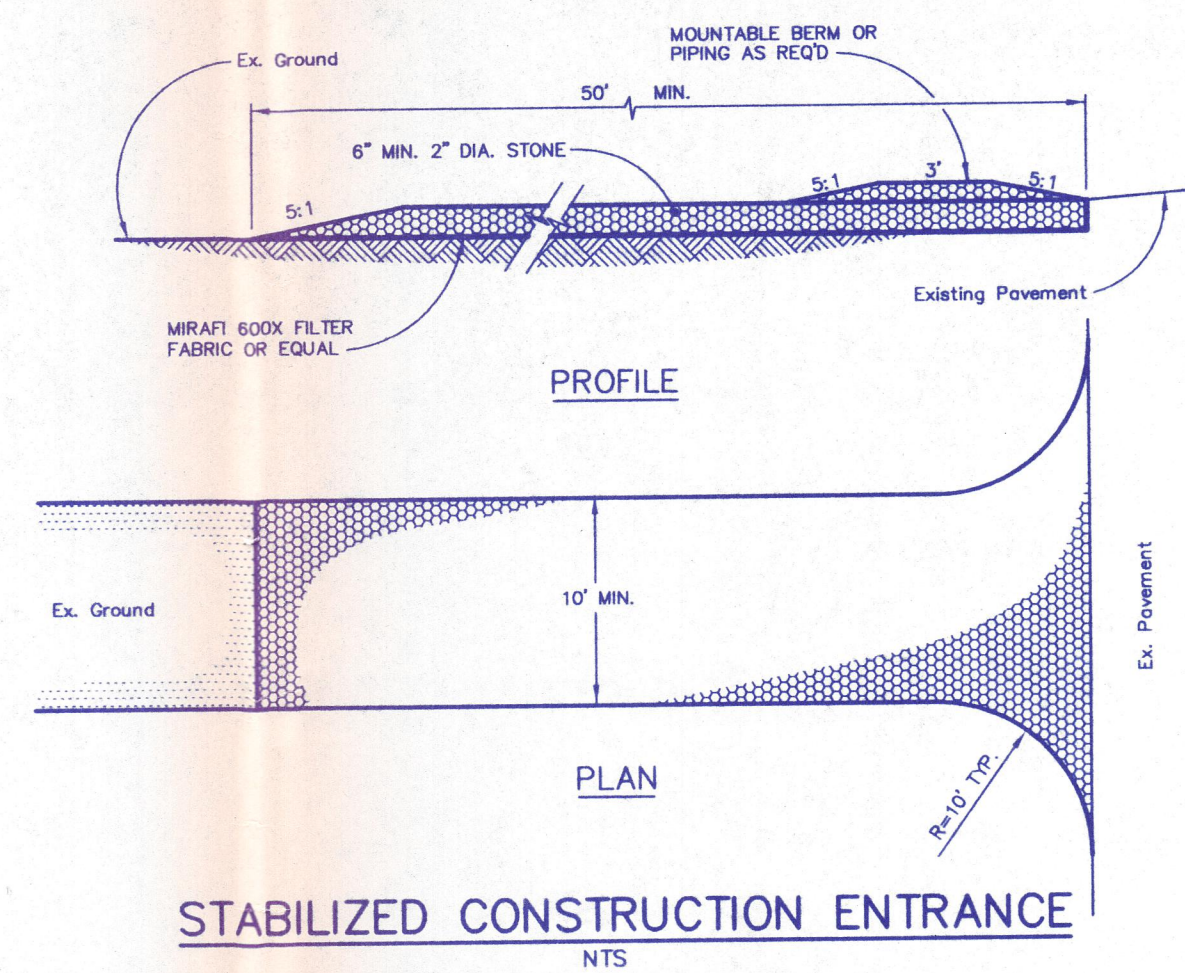
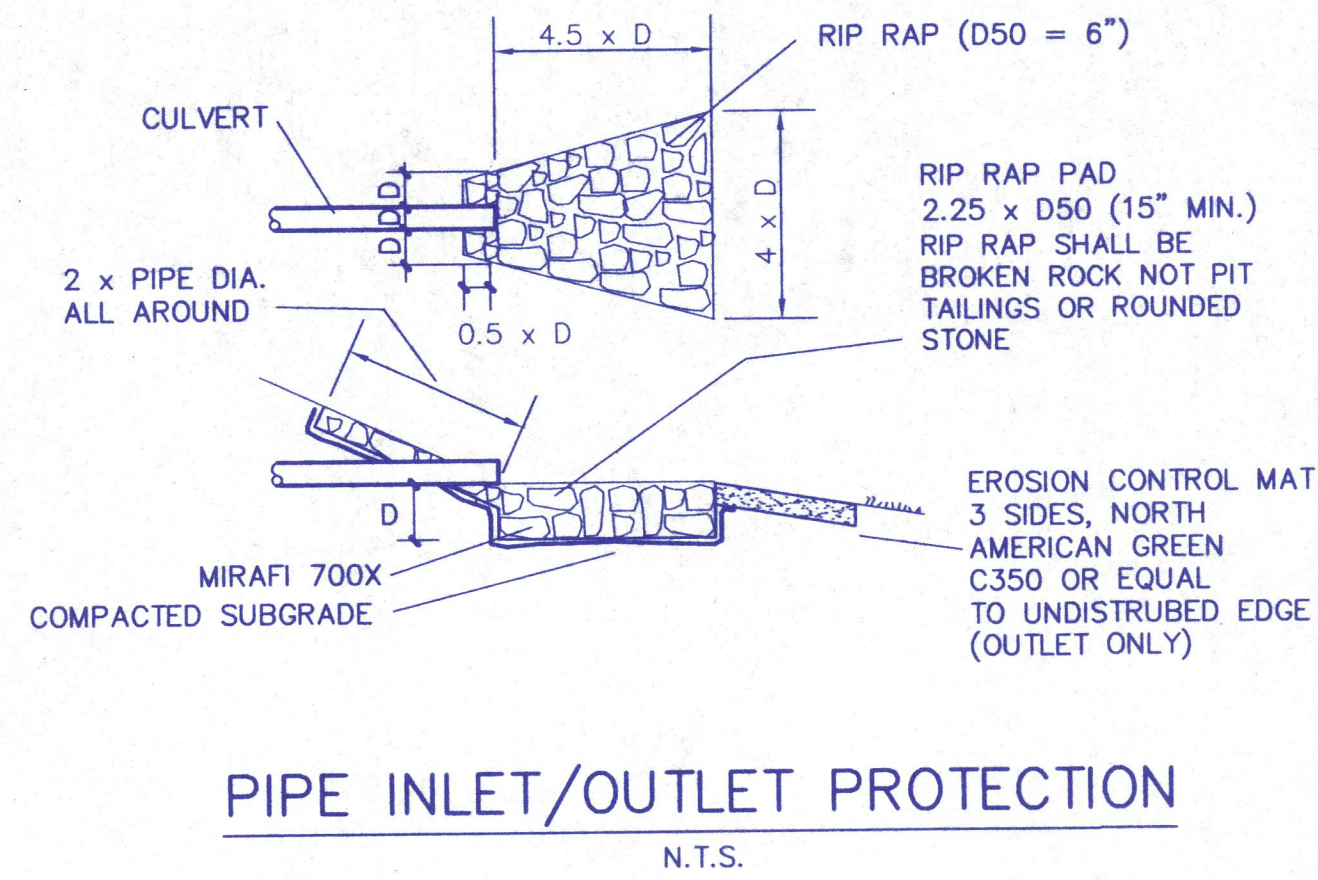
Season	Seed	Rate
Summer (5/15 - 8/15)	Sudangrass	40 lbs/acre
Late Summer/Early Fall (8/15 - 9/15)	Oats	80 lbs/acre
	Annual Ryegrass	40 lbs/acre
	Perennial Ryegrass	40 lbs/acre
Fall (9/15 - 11/1)	Winter Rye	112 lbs/acre
Winter (11/1 - 4/1)	Mulch w/ Dormant Seed	80 lbs/acre*
Spring (4/1 - 7/1)	Oats	80 lbs/acre
	Annual Ryegrass	40 lbs/acre

\*Seed Rate Only

EROSION CONTROL DURING CONSTRUCTION

WINTER CONSTRUCTION

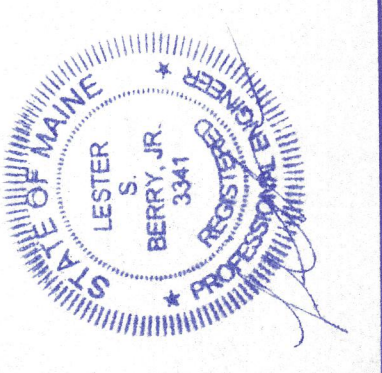
- WINTER CONSTRUCTION PERIOD: OCTOBER 1 THROUGH APRIL 15
- WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRES OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
- EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.
- CONTINUATION 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 MORE THAN ONE ACRE OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION.
- AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 100 LB. PER 1,000 SQUARE FEET (WITH OR WITHOUT SEEDING) OR DORMANT SEED, MULCHED AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE. IN ALL CASES MULCH SHALL BE APPLIED SUCH THAT THE SOIL SURFACE IS NOT VISIBLE THROUGH THE MULCH.
- BETWEEN THE DATES OF OCTOBER 15 AND APRIL 15, 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 SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEED AT A RATE OF 200 - 300% 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 OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS.
- A) BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING, ASPHALT EMULSION CHEMICAL, TACK OR WOOD CELLULOSE FIBER.  
B) 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%.
- AFTER NOVEMBER 1ST THE CONTRACTOR SHALL APPLY DORMANT SEEDING OR MULCH AND ANCHORING ON ALL BARE EARTH AT THE END OF EACH WORKING DAY.
- DURING WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.
- AREAS WITHIN 100 FEET OF STREAMS THAT ARE NOT STABILIZED WITH VEGETATION BY DEC. 1 SHALL BE MULCHED AND ANCHORED WITH NETTING. IF WORK CONTINUES IN THIS AREA DURING THE WINTER, A DOUBLE LINE OF SEDIMENT BARRIERS MUST BE USED.



SILTSACK INLET SEDIMENT CONTROL DEVICE

CITY OF PORTLAND  
APPROVED SITE PLAN  
Subject to Dept. Conditions  
Date of Approval: 7-12-05

NO.	DATE	REVISION DESCRIPTION



**BH2M**  
Berry \* Huff \* McDonald \* Milligan Inc.  
ENGINEERS \* SURVEYORS \* PLANNERS  
28 State Street, Gorham, Maine 04038, (207) 839-2771

FOR  
Chabad Lubboitch  
Bancroft Street  
Portland, Maine

DETAIL SHEET  
LAND OF  
CHABAD LUBBOITCH OF MAINE INC.  
POMEROY STREET  
PORTLAND, MAINE

DESIGNED	DATE	DRAWN	SCALE
W. Thompson	March 2004	C. Logan	As Noted
CHECKED	JOB. NO.		
W. Thompson	03217		

SHEET  
**6**

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