

OLD CHATHAM TOWER

COVER

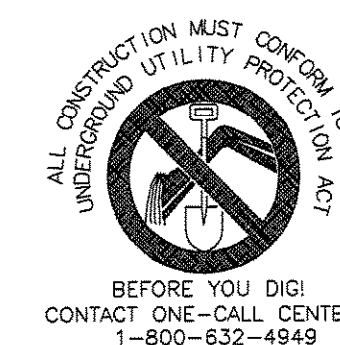
CHATHAM COUNTY, NORTH CAROLINA

NOTE: ALL SITE CONSTRUCTION ACTIVITY MUST BE IN ACCORDANCE WITH THE ACCEPTED POLICIES OF CHATHAM COUNTY, AND UNLESS SPECIFIED, DEFERS TO THE NCDOT STANDARDS AND SPECIFICATIONS



RALEIGH TOWERS, LLC
5941 FORDLAND DR.
RALEIGH, NC 27606

CONTACT: KIRBY R. BELL, JR., PE CPESC
PHONE: (919) 851-4422
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ENGINEER:

BNK

BASS, NIXON & KENNEDY, INC.
CONSULTING ENGINEERS

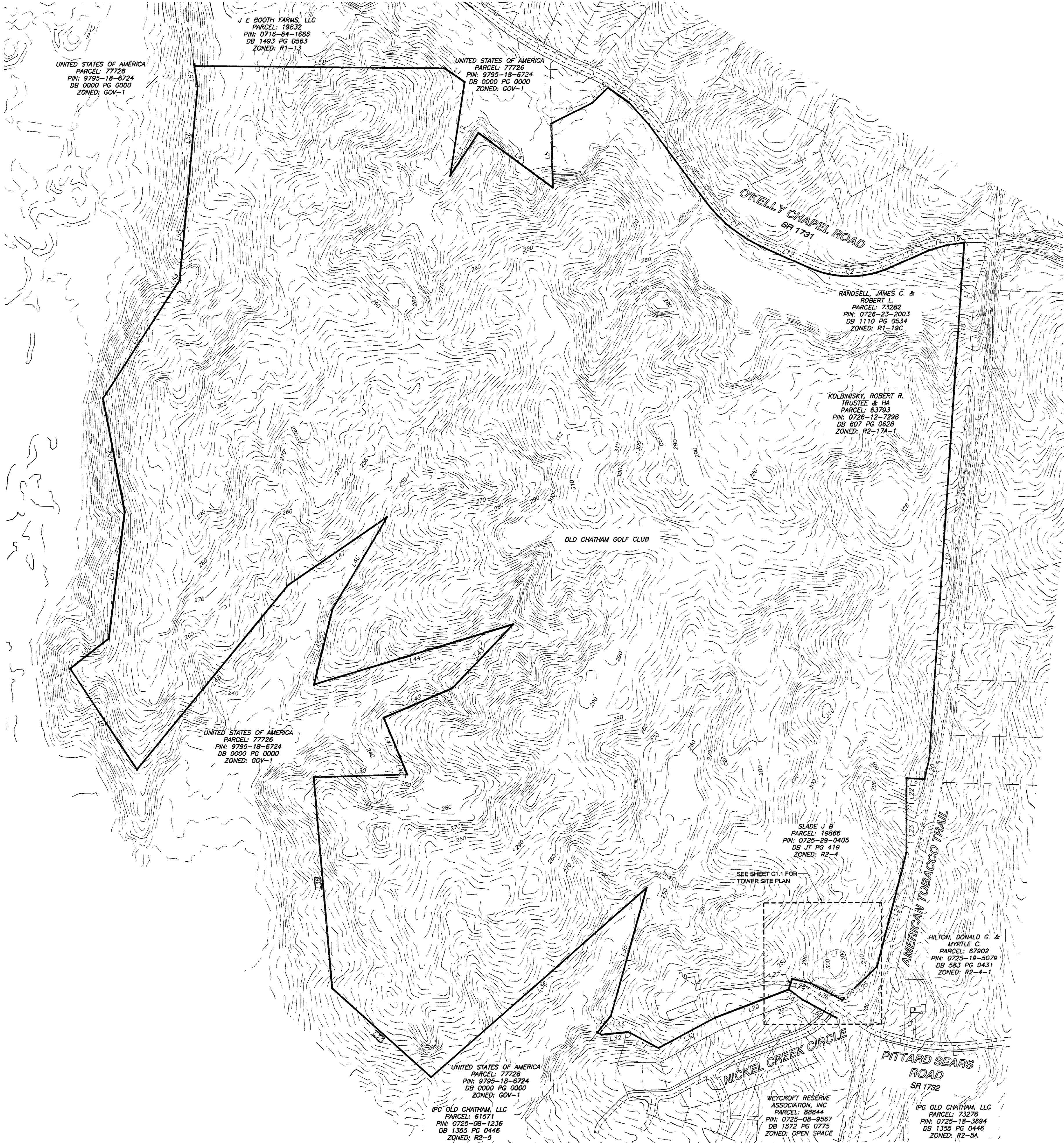
**6310 CHAPEL HILL ROAD, SUITE 250
RALEIGH, NORTH CAROLINA 27607**

TELEPHONE: (919) 851-4422 or (800) 354-1879
FAX: (919) 851-8968

**CERTIFICATION NUMBERS: NCBELS (C-0110)
NCBLA (C-0267)**

CONTACT: K. ROBERT BELL, JR., PE CPESC
EMAIL: Robbie.Bell@BNKinc.com

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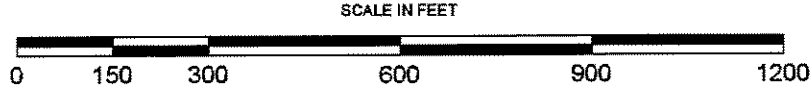
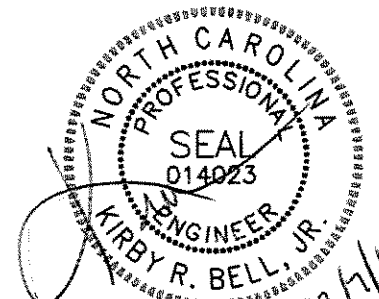
Boundary Line Table		
Line #	Length	Direction
L1	127.61'	S55°35'23.00"E
L2	505.65'	S9°04'40.00"W
L3	274.40'	N34°04'40.00"E
L4	496.07'	S53°45'42.00"E
L5	342.06'	N1°12'54.00"W
L6	243.42'	N63°43'58.00"E
L7	92.09'	N46°42'13.00"E
L8	28.58'	N46°42'13.00"E
L9	138.73'	S55°02'31.00"E
L10	158.19'	S41°49'46.00"E
L11	512.63'	S36°24'38.00"E
L12	272.87'	S68°19'28.00"E
L13	230.49'	N68°53'44.00"E
L14	92.57'	N73°59'45.00"E
L15	98.48'	N81°56'31.00"E
L16	223.52'	S4°08'35.00"W
L17	88.95'	S4°08'35.00"W
L18	318.03'	S4°08'35.00"W
L19	2147.92'	S3°59'24.00"W
L20	114.72'	S13°03'53.00"W

Boundary Line Table		
Line #	Length	Direction
L21	97.18'	N87°10'58.00"W
L22	167.31'	S0°18'12.00"W
L23	229.94'	S0°18'12.00"W
L24	632.53'	S14°37'21.00"W
L25	260.37'	S46°15'22.00"W
L26	192.25'	N61°52'24.00"W
L27	59.87'	S17°13'00.00"W
L28	104.25'	N76°26'59.00"W
L29	424.59'	S69°21'07.00"W
L30	346.85'	S62°02'43.00"W
L31	184.21'	N61°42'23.00"W
L32	145.01'	S84°59'03.00"W
L33	26.50'	N62°35'40.00"W
L34	115.43'	N39°32'39.00"E
L35	715.54'	N15°48'35.00"E
L36	1546.07'	S48°55'33.00"W
L37	717.47'	N47°57'19.00"W
L38	1137.54'	N4°49'43.00"W
L39	505.09'	N88°23'25.00"E
L40	71.57'	N22°30'11.00"W

Boundary Line Table		
Line #	Length	Direction
L41	258.69'	N22°33'10.00"W
L42	403.16'	N66°53'44.00"E
L43	475.94'	N43°56'41.00"E
L44	1123.71'	S73°21'59.00"W
L45	413.26'	N13°55'12.00"E
L46	579.50'	N30°45'18.00"E
L47	643.71'	S55°44'19.00"W
L48	1285.63'	S39°36'35.00"W
L49	652.37'	N33°26'18.00"W
L50	262.71'	N52°33'01.00"E
L51	687.14'	N7°19'30.00"E
L52	615.23'	N10°48'08.00"W
L53	738.80'	N33°13'56.00"E
L54	20.03'	N33°16'54.00"E
L55	490.31'	N5°27'50.00"E
L56	559.55'	N5°27'50.00"E
L57	119.48'	N8°55'39.00"W
L58	1347.06'	S89°20'26.00"E
L59	205.01'	S61°43'16.00"E
L61	94.57'	S53°02'07.00"E

Boundary Curve Table		
Curve #	Length	Radius
C1	403.72'	800.00'
C2	454.04'	525.00'

- NOTES:
- AERIAL TAKEN FROM CHATHAM COUNTY GIS.
 - BOUNDARY TAKEN FROM CHATHAM COUNTY BOM 2007 PG 532 ENTITLED "BOUNDARY SURVEY AND RECOMBINATION PREPARED FOR OLD CHATHAM GOLF CLUB" PREPARED BY CHARLES ODELL ELIASON, PLS DATED DECEMBER 19, 2007.



03-12010
JOB NO.

PROGRESS
DATE

RAB
DRAWN BY

EXISTING CONDITIONS
PLAN

NO. DATE DESCRIPTION
CHK BY: KRB REVISIONS

OLD CHATHAM TOWER

CHATHAM COUNTY, NORTH CAROLINA

SHEET
C1.0

2 OF 4

BASS, NIXON & KENNEDY, INC.
CONSULTING ENGINEERS

6310 CHAPEL HILL ROAD, SUITE 250, RALEIGH, NC 27607
TELEPHONE: (919)851-4422 OR (800)354-1879 FAX: (919)851-6968
CERTIFICATION NUMBERS: NCBELS (C-0110); NCBLA (C-0267)

NOT RELEASED FOR CONSTRUCTION OR BID SOLICITATION

Lot Line Table		
Line #	Length	Direction
L1	127.61'	S55°35'20.0"E
L2	505.65'	S9°04'40.00"W
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L14	92.57'	N77°59'45.00"E
L15	98.48'	N13°56'51.00"E
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L17	88.95'	S40°35'00"W
L18	316.03'	S4°08'35.00"W
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L58	1347.06'	S89°20'26"0"E
L59	205.01'	S61°45'16"0"E
L61	94.51'	S53°02'27"0"E



SEEDING REQUIREMENTS FOR SLOPE STABILIZATION

MINIMUM REQUIREMENTS FOR SLOPE STABILIZATION		
DATE	TYPE	PLANTING RATE
AUG. 15 - NOV. 1	TALL FESCUE	300 LBS./ACRE
NOV. 1 - MAR. 1	TALL FESCUE & ABRUZZI RYE	300 LBS./ACRE 25 LBS./ACRE
MAR. 1 - APR. 15	TALL FESCUE	300 LBS./ACRE
APR. 15 - JUN. 30	HULLED COMMON BERMUDAGRASS	25 LBS./ACRE
JUL. 1 - AUG. 15	TALL FESCUE AND ***BROWNTOP MILLET ***OR SORGHUM - SUDAN HYDRIDS	125 LBS./ACRE 35 LBS./ACRE 30 LBS./ACRE

SLOPES (3:1 TO 2:1)

MAR. 1 - JUN. 1	SERICA LE SPEDEZA (SCARIFIED) AND	50 LBS./ACRE
MAR. 1 - APR. 15	ADD TALL FESCUE	120 LBS./ACRE
MAR. 1 - JUN. 30	OR ADD WEEPING LOVEGRASS	100 LBS./ACRE
MAR. 1 - JUN. 30	OR ADD HULLED COMMON BERMUDAGRASS	25 LBS./ACRE
JUN. 1 - SEP. 1	***TALL FESCUE AND ***BROWNTOP MILLET ***OR SORGHUM - SUDAN HYDRIDS	120 LBS./ACRE 35 LBS./ACRE 30 LBS./ACRE
SEP. 1 - MAR. 1	SERICA LE SPEDEZA (HULLED-UNSCARIFIED) AND TALL FESCUE	70 LBS./ACRE 120 LBS./ACRE
NOV. 1 - MAR. 1	ADD ABRUZZI RYE	25 LBS./ACRE

CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS. OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.

***TEMPORARY - RESEED ACCORDING TO OPTIMUM SEED FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW ANY OTHER COVER TO GROW OVER 2" IN HEIGHT BEFORE MOVING, OTHERWISE FESCUE MAY BE SHADED OUT.

SEED PREPARATION

- CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
- RIP THE ENTIRE AREA TO 6 INCHES DEPTH.
- REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
- APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW).
- CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
- SEED ON A FRESHLY PREPARED SEEDBED AND COVER AND COVER SLIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
- MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
- INSPECT ALL SEEDBED AREAS AND RESEED NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% COVERED, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
- CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.

* APPLY: AGRICULTURAL LIMESTONE - 3 TONS/ACRE
FERTILIZER - 10 - 10 - 10 ANALYSIS AT800 - 1,000 LBS/ACRE
SUPERPHOSPHATE - 500 LBS/ACRE OF 20% ANALYSIS SUPERPHOSPHATE
MULCH - 2 TONS (APPROX 80 BA) OF 80 SMALL GRASS STRAW/HA
ANCHOR - TACK WITH LIQUID ASPHALT AT 400 GALLONS/ACRE OR
EMULSIFIED ASPHALT AT 300 GALLONS/ACRE.

NOTE: ALL CONSTRUCTION ACTIVITY MUST BE IN ACCORDANCE WITH THE ACCEPTED POLICIES OF CHATHAM COUNTY, N.C.

1. A/C UNITS, TRANSFORMERS AND OTHER MECHANICAL OR UTILITY EQUIPMENT, NOT SHOWN ON THE PLAN, SHALL BE SCREENED FROM VIEW EITHER BY ADJUSTING PLANTINGS SHOWN IN CLOSE PROXIMITY TO EQUIPMENT OR BY THE ADDITION OF WAX MYRTLES @ 24" HT. 5" OC. (SEE GENERAL NOTES FOR EQUIPMENT ACCESSIBILITY AND PLANTING PROXIMITY, ETC.). DUMPSTER IS SCREENED FROM OFF-SITE VIEWS.
2. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO PLANTING.
3. MULCH SHALL BE 3" DEEP PINE STRAW UNLESS OTHERWISE NOTED.
4. VERIFICATION OF TOTAL QUANTITIES AS SHOWN IN THE PLANT LIST AND ON THE PLAN SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. ANY DISCREPANCIES BETWEEN PLANT LIST AND PLANTING PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION.
5. ALL TREES, SHRUBS, GROUNDCOVER, ETC. SHALL CONFORM TO ACCEPTED STANDARDS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
6. ALL ROOTBALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO PLANTING.
7. B&B AS LISTED UNDER "ROOT" IN THE PLANT LIST INDICATES BALLED & BURLAPPED.
8. ALL PLANTS/PLANTINGS SHALL BE MULCHED IMMEDIATELY AFTER PLANTING AND WATERED.
9. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THEY BORE TO PREVIOUS EXISTING GRADE (UNLESS OTHERWISE NOTED).
10. ALL TREES AND SHRUBS SHALL REQUIRE MULCH RINGS AT THEIR BASE IF LEFT WITHIN LAWN AREAS.
11. MULCH EDGES AND PROPOSED PLANTINGS SHALL NOT DISTURB ANY EXISTING GRASSES OR TREES TO REMAIN. EDGES ARE SHOWN FOR APPROXIMATION ONLY. THE CONTRACTOR SHALL INDICATE SMOOTH, CLEAN CURVES.
12. CULVERTS, RIP-RAP STRUCTURES, AND OTHER STORMWATER DEVICES SHALL BE CONSIDERED WITH EVERGREEN SHRUBS. STRUCTURES NOT SHOWN ON THE PLAN, INSTALL WAX MYRTLES @ 24" HT. - 5" OC.
13. A 2' BUMPER OVERHANG, FROM THE BACK OF CURB, SHALL BE ALLOTTED FOR MATURE SHRUBS.
14. TREE PROTECTION FENCING SHALL BE MAINTAINED UNTIL ALL SITE WORK IS COMPLETED. THE FENCING SHALL BE REMOVED PRIOR TO THE FINAL SITE INSPECTION FOR THE CERTIFICATE OF OCCUPANCY (C.O.). THE SITE SHALL BE STABILIZED AND SEEDED PRIOR TO THE ISSUANCE OF A (C.O.).
15. ALL TREES SHALL BE LOCATED A MINIMUM OF 6' FROM SIDEWALKS.

PLANTING NOTES:
LOCATE PLANTS AND PLANTING BEDS BY USING SCALED DIMENSIONS FROM STREET, PROPERTY LINES, BACK OF CURB, BUILDINGS, WALLS, ETC.
ALL PLANTS SHALL MEET OR EXCEED THE MINIMUM STANDARDS SET BY THE U.S.D.A. FOR ANY SPECIES SPONSORED BY THE AMERICAN ASSOCIATION OF NURSERYMEN INC., WASHINGTON, D.C. NO SUBSTITUTIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE OWNER AND/OR THE LANDSCAPE ARCHITECT.
SYMBOLS: B&B = BALLED & BURLAPPED; B.R. = BARE ROOT; CONT. = CONTAINER, O.C. = ON-CENTER

LOCATE PLANTS AND PLANTING BEDS BY USING SCALED DIMENSIONS FROM STREET, PROPERTY LINES, BACK OF CURB, BUILDINGS, WALLS, ETC.
ALL PLANTS SHALL MEET OR EXCEED THE MINIMUM STANDARDS SET BY THE U.S.D.A. FOR NURSERY STOCK SPONSORED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC., WASHINGTON, D.C. NO SUBSTITUTIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE OWNER AND/OR THE LANDSCAPE ARCHITECT.
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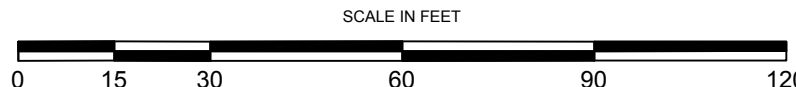
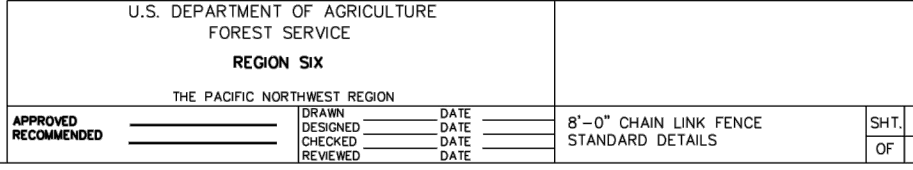
STABILIZED WITH GRASS	3:1 AND FLATTER
STABILIZED WITH SHRUBS OR VINES	3:1 TO 2:1
STABILIZED WITH RIPRAP	2:1 TO 1.5:1
STABILIZED WITH RETAINING WALL	STEEPER THAN 1.5:1

SLOPES (3:1 TO 2:1)

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1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER AVERAGE SOIL CONDITIONS, IF AVAILABLE.
2. RIP THE ENTIRE AREA TO 6 INCHES DEPTH.
3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
4. ADD AGRICULTURAL LIMESTONE AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW).
5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM REFORMED SURFACE PREPARED 10 INCHES DEEP.
6. SEED ON A FREELY FERTILIZED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR BY HAND.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
8. INSPECT ALL SEEDBED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS AS SOON AS THE PLANTING OPERATIONS ARE COMPLETED.
9. IF 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL LINE, FERTILIZER AND SEEDING RATES.
10. CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.

* APPLY: AGRICULTURAL LIMESTONE - 3 TONS/ACRE
FERTILIZER - 10 - 10 - 10 ANALYSIS AT800 - 1,000 LBS/ACRE
SUPERPHOSPHATE - 500 LBS./ACRE OF 20% ANALYSIS SUPERPHOSPHATE
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ANCHOR - TACK WITH LIQUID ASPHALT AT 400 GALLONS/ACRE OR
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