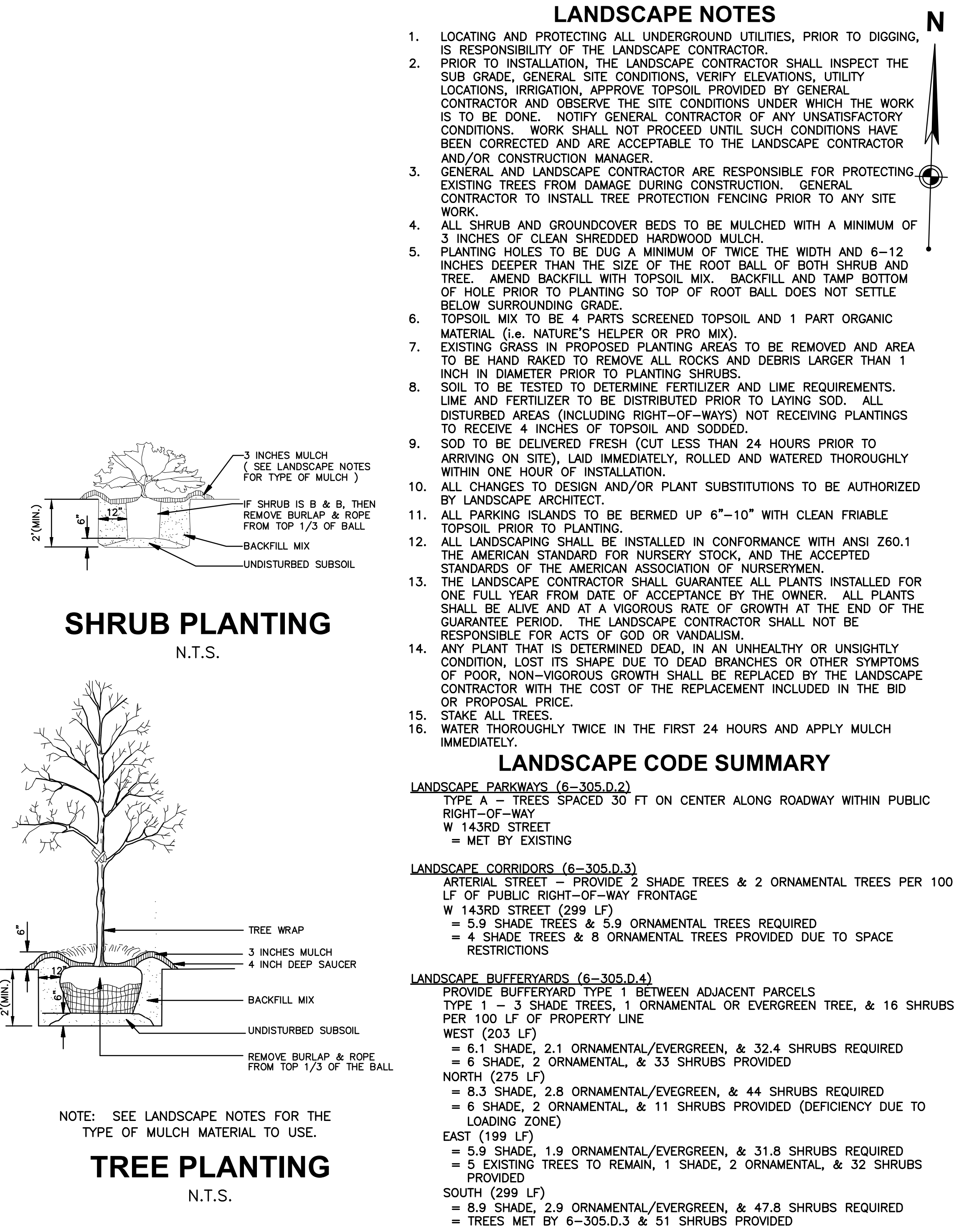
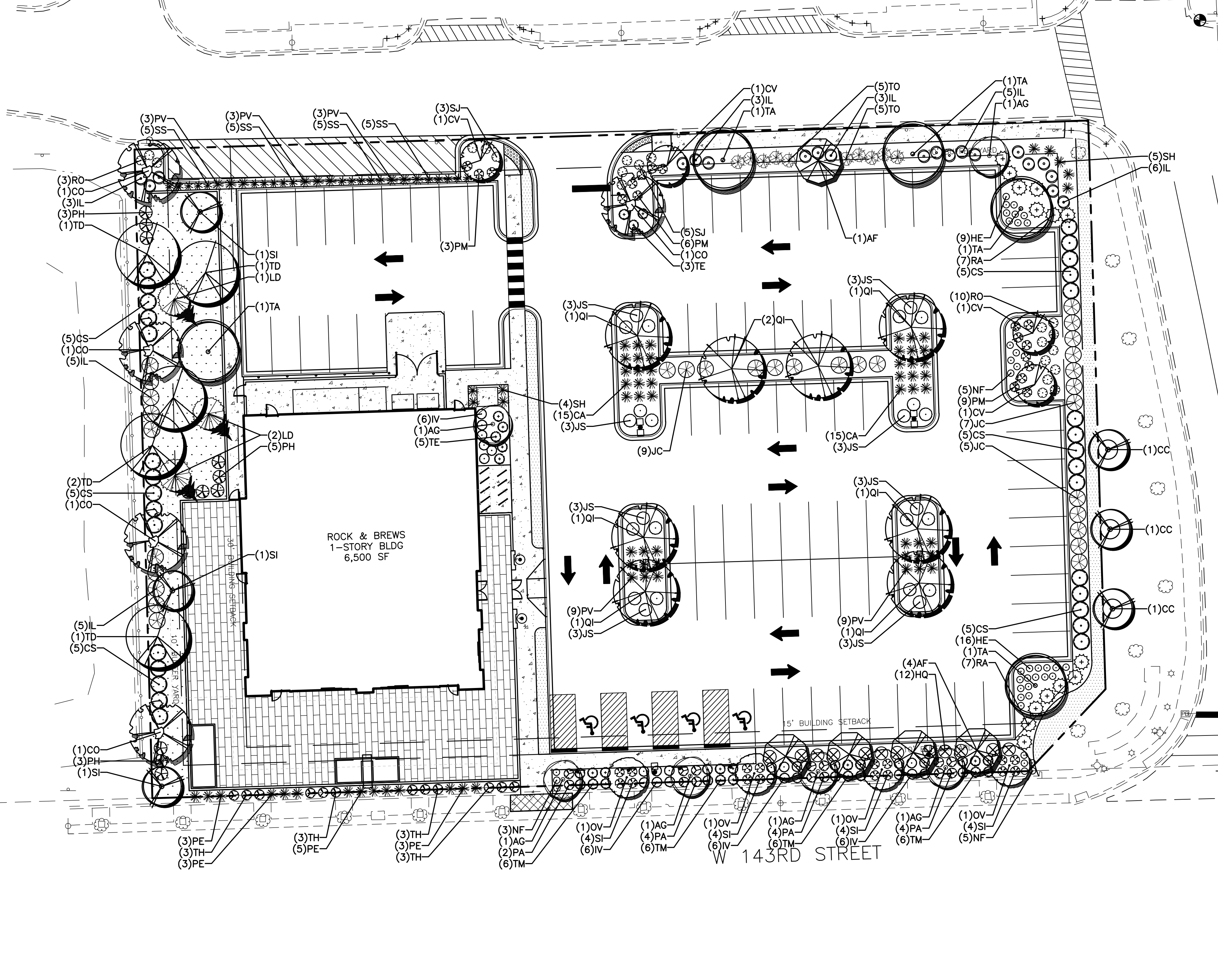


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LANDSCAPE NOTES

- LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES, PRIOR TO DIGGING, IS RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
- PRIOR TO INSTALLATION, THE LANDSCAPE CONTRACTOR SHALL INSPECT THE SUB GRADE, GENERAL SITE CONDITIONS, VERIFY ELEVATIONS, UTILITY LOCATIONS, IRRIGATION, APPROVE TOPSOIL PROVIDED BY GENERAL CONTRACTOR AND OBSERVE THE SITE CONDITIONS UNDER WHICH THE WORK IS TO BE DONE. NOTIFY GENERAL CONTRACTOR OF ANY UNSATISFACTORY CONDITIONS. WORK SHALL NOT PROCEED UNTIL SUCH CONDITIONS HAVE BEEN CORRECTED AND ARE ACCEPTABLE TO THE LANDSCAPE CONTRACTOR AND/OR CONSTRUCTION MANAGER.
- GENERAL AND LANDSCAPE CONTRACTOR ARE RESPONSIBLE FOR PROTECTING EXISTING TREES FROM DAMAGE DURING CONSTRUCTION. GENERAL CONTRACTOR TO INSTALL TREE PROTECTION FENCING PRIOR TO ANY SITE WORK.
- ALL SHRUB AND GROUND COVER BEDS TO BE MULCHED WITH A MINIMUM OF 3 INCHES OF CLEAN SHREDDED HARDWOOD MULCH.
- PLANTING HOLES TO BE DUG A MINIMUM OF TWICE THE WIDTH AND 6-12 INCHES DEEPER THAN THE SIZE OF THE ROOT BALL OF BOTH SHRUB AND TREE. AMEND BACKFILL WITH TOPSOIL MIX. BACKFILL AND TAMP BOTTOM OF HOLE PRIOR TO PLANTING SO TOP OF ROOT BALL DOES NOT SETTLE BELOW SURROUNDING GRADE.
- TOPSOIL MIX TO BE 4 PARTS SCREENED TOPSOIL AND 1 PART ORGANIC MATERIAL (i.e. NATURE'S HELPER OR PRO MIX).
- EXISTING GRASS IN PROPOSED PLANTING AREAS TO BE REMOVED AND AREA TO BE HAND RAKED TO REMOVE ALL ROCKS AND DEBRIS LARGER THAN 1 INCH IN DIAMETER PRIOR TO PLANTING SHRUBS.
- SOIL TO BE TESTED TO DETERMINE FERTILIZER AND LIME REQUIREMENTS. LIME AND FERTILIZER TO BE DISTRIBUTED PRIOR TO LAYING SOD. ALL DISTURBED AREAS (INCLUDING RIGHT-OF-WAYS) NOT RECEIVING PLANTINGS TO RECEIVE 4 INCHES OF TOPSOIL AND SODDED.
- SOD TO BE DELIVERED FRESH (CUT LESS THAN 24 HOURS PRIOR TO ARRIVING ON SITE), LAID IMMEDIATELY, ROLLED AND WATERED THOROUGHLY WITHIN ONE HOUR OF INSTALLATION.
- ALL CHANGES TO DESIGN AND/OR PLANT SUBSTITUTIONS TO BE AUTHORIZED BY LANDSCAPE ARCHITECT.
- ALL PARKING ISLANDS TO BE BERMED UP 6"-10" WITH CLEAN FRIABLE TOPSOIL PRIOR TO PLANTING.
- ALL LANDSCAPING SHALL BE INSTALLED IN CONFORMANCE WITH ANSI Z60.1 THE AMERICAN STANDARD FOR NURSERY STOCK, AND THE ACCEPTED STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN.
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS INSTALLED FOR ONE FULL YEAR FROM DATE OF ACCEPTANCE BY THE OWNER. ALL PLANTS SHALL BE ALIVE AND AT A VIGOROUS RATE OF GROWTH AT THE END OF THE GUARANTEE PERIOD. THE LANDSCAPE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ACTS OF GOD OR VANDALISM.
- ANY PLANT THAT IS DETERMINED DEAD, IN AN UNHEALTHY OR UNSIGHTLY CONDITION, LOST ITS SHAPE DUE TO DEAD BRANCHES OR OTHER SYMPTOMS OF POOR, NON-VIGOROUS GROWTH SHALL BE REPLACED BY THE LANDSCAPE CONTRACTOR WITH THE COST OF THE REPLACEMENT INCLUDED IN THE BID OR PROPOSAL PRICE.
- STAKE ALL TREES.
- WATER THOROUGHLY TWICE IN THE FIRST 24 HOURS AND APPLY MULCH IMMEDIATELY.

LANDSCAPE CODE SUMMARY

- LANDSCAPE PARKWAYS (6-305.D.2)**
 TYPE A - TREES SPACED 30 FT ON CENTER ALONG ROADWAY WITHIN PUBLIC RIGHT-OF-WAY
 W 143RD STREET
 = MET BY EXISTING
- LANDSCAPE CORRIDORS (6-305.D.3)**
 ARTERIAL STREET - PROVIDE 2 SHADE TREES & 2 ORNAMENTAL TREES PER 100 LF OF PUBLIC RIGHT-OF-WAY FRONTAGE
 W 143RD STREET (299 LF)
 = 5.9 SHADE TREES & 5.9 ORNAMENTAL TREES REQUIRED
 = 4 SHADE TREES & 8 ORNAMENTAL TREES PROVIDED DUE TO SPACE RESTRICTIONS
- LANDSCAPE BUFFERYARDS (6-305.D.4)**
 PROVIDE BUFFERYARD TYPE 1 BETWEEN ADJACENT PARCELS
 TYPE 1 - 3 SHADE TREES, 1 ORNAMENTAL OR EVERGREEN TREE, & 16 SHRUBS PER 100 LF OF PROPERTY LINE
 WEST (203 LF)
 = 6.1 SHADE, 2.1 ORNAMENTAL/EVERGREEN, & 32.4 SHRUBS REQUIRED
 = 6 SHADE, 2 ORNAMENTAL, & 33 SHRUBS PROVIDED
 NORTH (275 LF)
 = 8.3 SHADE, 2.8 ORNAMENTAL/EVERGREEN, & 44 SHRUBS REQUIRED
 = 6 SHADE, 2 ORNAMENTAL, & 11 SHRUBS PROVIDED (DEFICIENCY DUE TO LOADING ZONE)
 EAST (199 LF)
 = 5.9 SHADE, 1.9 ORNAMENTAL/EVERGREEN, & 31.8 SHRUBS REQUIRED
 = 5 EXISTING TREES TO REMAIN, 1 SHADE, 2 ORNAMENTAL, & 32 SHRUBS PROVIDED
 SOUTH (299 LF)
 = 8.9 SHADE, 2.9 ORNAMENTAL/EVERGREEN, & 47.8 SHRUBS REQUIRED
 = TREES MET BY 6-305.D.3 & 51 SHRUBS PROVIDED
- FOUNDATION LANDSCAPE (6-305.D.5.a)**
 PROVIDE A MINIMUM OF ONE ORNAMENTAL TREE & 16 SHRUBS OR ORNAMENTAL GRASSES FOR EVERY 100 LF OF OF BUILDING FACE
 323 LF OF BUILDING FACE
 = 3.2 ORNAMENTAL TREES & 51.7 SHRUBS REQUIRED
 = 3 ORNAMENTAL TREES, 38 SHRUBS & 14 ORNAMENTAL GRASSES PROVIDED
- INTERIOR LOT LANDSCAPE (6-305.D.5.b)**
 PROVIDE ONE TREE 10,000 SF OF LOT AREA
 60,565 SF OF LOT AREA
 = 6 TREES REQUIRED
 = 2 SHADE TREES, 1 EVERGREEN TREE, & 3 ORNAMENTAL TREES PROVIDED
- PARKING LOT PERIMETER SCREENING (6-305.D.6.a.1)**
 SCREEN 75% OF PARKING PERIMETER WITH SHRUBS
 = MET BY 6-305.D.4
- PARKING LOT ISLAND LANDSCAPING (6-305.D.6.a.2)**
 ONE ISLAND FOR EVERY 10 PARKING SPACES, ONE SHADE TREE FOR EVERY ISLAND AND 60% OF ISLAND TO BE LIVE PLANTS OTHER THAN TURF
 83 PARKING SPACES
 = 8.3 SHADE TREES & SHRUBS REQUIRED
 = 8 SHADE TREES, 70 SHRUBS, 42 ORNAMENTAL GRASSES, & 25 PERENNIALS PROVIDED
- SIGNAGE LANDSCAPE (6-305.D.7)**
 PROVIDE 5 FT BED AROUND ALL SIDES OF SIGN
 = 4 SHRUBS & 6 PERENNIALS PROVIDED

TAG	QTY	SCIENTIFIC NAME	COMMON NAME	COND.	SIZE	REMARKS
SHADE TREE						
AF	5	<i>Acer x freemanii</i> 'Armstrong'	Armstrong Columnar Maple	B&B	2.5" cal. 14'ht. 5'wd	Full, well shaped
CO	5	<i>Celtis occidentalis</i> 'Prairie Pride'	Prairie Pride Hackberry	B&B	2.5" cal. 14'ht. 7'wd	Full, well shaped
QI	8	<i>Quercus imbricaria</i>	Shingle Oak	B&B	2.5" cal. 14'ht. 7'wd	Full, well shaped
TA	5	<i>Tilia americana</i> 'Redmond'	Redmond American Linden	B&B	2.5" cal. 14'ht. 7'wd	Full, well shaped
TD	5	<i>Taxodium distichum</i>	Bald Cypress	B&B	2.5" cal. 14'ht. 7'wd	Full, well shaped
ORNAMENTAL / EVERGREEN TREE						
AG	6	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Apple Serviceberry	B&B	2" cal. 6'ht. 3'wd.	Full, well shaped, single-stem
CC	3	<i>Cercis canadensis</i>	Eastern Redbud	B&B	2" cal. 6'ht. 3'wd.	Full, well shaped, single-stem
CV	4	<i>Chionanthus virginicus</i>	White Fringetree	B&B	6'ht. 3'wd.	Full, well shaped, multi-stem
LD	3	<i>Larix decidua</i>	American Larch	B&B	6'ht. x 4'wd.	Full to ground, well shaped
OV	4	<i>Ostrya virginiana</i>	Hop Hornbeam	B&B	2" cal. 6'ht. 3'wd.	Full, well shaped, single-stem
SI	3	<i>Salix interior</i>	Sandbar Willow	B&B	6'ht. x 4'wd.	Full to ground, well shaped
EVERGREEN SHRUB						
JC	21	<i>Juniperus chinensis</i> 'Sea Green'	Sea Green Juniper	#3 cont.	18"ht. x 18"wd.	Full, vigorous
JS	24	<i>Juniperus chinensis sargentii</i> 'Viridis'	Green Sargent Juniper	#3 cont.	18"ht. x 18"wd.	Full, vigorous
PA	14	<i>Picea abies</i> 'Nidiformis'	Nest Spruce	#3 cont.	18"ht. x 18"wd.	Full, vigorous
PM	18	<i>Pinus mugo</i> 'Slowmound'	Dwarf Mugo Pine	#3 cont.	18"ht. x 18"wd.	Full, vigorous
TE	8	<i>Taxus x media</i> 'Everlow'	Everlow Yew	#3 cont.	18"ht. x 18"wd.	Full, vigorous
TM	24	<i>Taxus x media</i> 'Densiformis'	Dense Yew	#3 cont.	18"ht. x 18"wd.	Full, vigorous
TH	12	<i>Thuja occidentalis</i> 'Bobozam'	Mr. Bowling Ball Arborvitae	#3 cont.	18"ht. x 18"wd.	Full, vigorous
TO	10	<i>Thuja occidentalis</i> 'Woodwardii'	Woodward Arborvitae	#3 cont.	18"ht. x 18"wd.	Full, vigorous

TAG	QTY	SCIENTIFIC NAME	COMMON NAME	COND.	SIZE	REMARKS
DECIDUOUS SHRUB						
CS	30	<i>Cornus sericea</i> 'Isanti'	Red Twig Dogwood	#3 cont.	18"ht. x 18"wd.	Full, vigorous
HQ	12	<i>Hydrangea quercifolia</i> 'Ruby Slippers'	Oakleaf Hydrangea	#3 cont.	18"ht. x 18"wd.	Full, vigorous
IL	30	<i>Ilex verticillata</i> 'Berry Heavy'	Berry Heavy Winterberry	#3 cont.	18"ht. x 18"wd.	Full, vigorous (1m per grouping)
IV	24	<i>Itea virginica</i> 'Little Henry'	Little Henry Sweetspire	#3 cont.	18"ht. x 18"wd.	Full, vigorous
PH	11	<i>Photinia melanocarpa</i>	Black Chokecherry	#3 cont.	18"ht. x 18"wd.	Full, vigorous
RA	14	<i>Rhus aromatica</i> 'Gro-Low'	Gro-Low Fragrant Sumac	#3 cont.	18"ht. x 18"wd.	Full, vigorous
RO	13	<i>Rosa x 'Noaschnee'</i>	White Carpet Rose	#3 cont.	18"ht. x 18"wd.	Full, vigorous
SJ	8	<i>Spiraea japonica</i> 'Shirobana'	Shirobana Spirea	#3 cont.	18"ht. x 18"wd.	Full, vigorous
SI	16	<i>Stephanandra incisa</i> 'Crispa'	Crispa Cutleaf Stephanandra	#3 cont.	18"ht. x 18"wd.	Full, vigorous
ORNAMENTAL GRASS / PERENNIAL						
CA	30	<i>Calamagrostis acutiflora</i> 'Karl Foerster'	Feather Reed Grass	#1 cont.		Full, vigorous
HE	25	<i>Hemerocallis</i> 'Happy Returns'	Happy Returns Daylily	#1 cont.		Full, vigorous
NF	13	<i>Nepeta x faassenii</i> 'Walker's Low'	Walker's Low Catmint	#1 cont.		Full, vigorous
PV	27	<i>Panicum virgatum</i> 'Hot Rod'	Hot Rod Red Switchgrass	#1 cont.		Full, vigorous
PE	14	<i>Pennisetum alopecuroides</i> 'Homeln'	Dwarf Fountain Grass	#1 cont.		Full, vigorous
SS	20	<i>Schizachyrium scoparium</i> 'The Blues'	Little Bluestem	#1 cont.		Full, vigorous
SH	9	<i>Sporobolus heterolepis</i>	Prairie Dropseed	#1 cont.		Full, vigorous

* QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR ALL QUANTITIES OF PLANTS ON LANDSCAPE PLAN.

BIOSWALE SEED MIX
 SWITCHGRASS (PANICUM VIRGATUM) SEED.
 APPLY AT 32.20 PLS POUNDS PER ACRE.

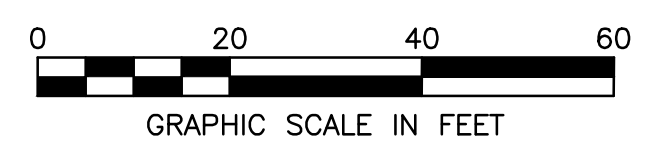
PERMANENT SOD BLEND
 90% FINE LEAF FESCUE (FESTUCA ARUNDINACEA)
 REBEL, REBEL II, WRANGLER, BONANZA, MOJAVE OR EQUAL
 10% KENTUCKY BLUEGRASS (POA PRATENSIS)
 MIDNIGHT, RUGGY II, MIDIRON VARIETIES OR EQUAL
 98% PURITY AND 85% GERMINATION
 95% WEED FREE

BENCHMARK:

THE BASIS OF ELEVATIONS HEREON IS - NAVD 88.
 METAL DISC No. 50 FOUND - SEE DRAWING FOR LOCATION
 ELEVATION = 706.03'
 THE EXISTING CONDITIONS SHOWN ARE BASED UPON A SURVEY PREPARED BY STEPHEN R. KREGER AND DATED 04/24/18.

BIOSWALE AREA (3,500 SF)

LAWN AREA (850 SF)



REVISION

No.	DATE	REVISION

PROJECT No: 078532
DATE: 08/20/18
DES.: JIM
DR.: JIM
CKD.: RW

1815 South Meyers Road
 Suite 950
 Oakbrook Terrace, IL 60181
 630.424.9080
 FAX: 630.485.3731

WOOLPERT
 ARCHITECTURAL ENGINEERING & CONSTRUCTION

SITE IMPROVEMENT PLANS
ROCK & BREWS
 9520 W. 143RD STREET
 ORLAND PARK, ORLAND TOWNSHIP, ILLINOIS

LANDSCAPE PLAN

SHEET NO. **C500**

