

20. ADJUSTMENTS IN LOCATION OF PROPOSED PLANT MATERIALS MAY BE NEEDED IN THE FIELD. SHOULD AN ADJUSTMENT BE ADVISED, THE LANDSCAPE ARCHITECT MUST BE

21. ALL PLANT MATERIALS SHALL BE FERTILIZED UPON INSTALLATION WITH DRIED BONE MEAL, OTHER APPROVED FERTILIZER MIXED IN WITH THE PLANTING SOIL PER THE MANUFACTURER'S INSTRUCTIONS OR MAY BE TREATED FOR SUMMER AND FALL INSTALLATION WITH AN APPLICATION OF GRANULAR 0-20-20 OF 12 OZ PER 2.5? CALIPER PER TREE AND 6 OZ PER SHRUB WITH AN ADDDITIONAL APPLICATION OF 10-10-10 THE FOLLWING SPRING IN THE TREE SAUCER. 22. ALL PLANTS TO BE INSTALLED AS PER PLANTING DETAILS.

7. EXISTING CONTOURS, TRAILS, VEGETATION, CURB/GUTTER AND OTHER EXISTING

9. FILL/CUT AS NECESSARY TO PROVIDE A 1% MINIMUM GRADE AWAY FROM BLDGS.

10. WHERE EXISTING TREES AND/OR SIGNIFICANT SHRUBS MASSINGS ARE FOUND ON SITE, WHETHER SHOWN ON THE DRAWING OR NOT, THEY SHALL BE PROTECTED AND

QUESTION REGARDING WHETHER PLANT MATERIAL SHOULD REMAIN OR NOT SHALL E BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO

11. COORDINATE THE PHASES OF CONSTRUCTION AND PLANTING INSTALLATION WITH

12. NO PLANTING WILL BE INSTALLED UNTIL COMPLETE GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.

14. WHERE SOD/SEED ABUTS PAVED SURFACES, FINISHED GRADE OF SOD/SEED

SHALL BE HELD 1" BELOW SURFACE ELEVATION OF TRAIL, SLAB, CURB, ETC.

SAVED UNLESS NOTED TO BE REMOVED AND/OR ARE IN AN AREA TO BE GRADED. ANY

8. THE ALIGNMENT AND GRADES OF THE PROPOSED WALKS, TRAILS AND/OR ROADWAYS ARE SUBJECT TO FIELD ADJUSTMENT REQUIRED TO CONFORM TO LOCALIZED TOPOGRAPHIC CONDITIONS AND TO MINIMIZE TREE REMOVAL AND GRADING. ANY

ELEMENTS BASED UPON INFORMATION SUPPLIED TO LANDSCAPE ARCHITECT BY OTHERS. CONTRACTOR SHALL VERIFY ANY AND ALL DISCREPANCIES PRIOR TO

CHANGE IN ALIGNMENT MUST BE APPROVED BY LANDSCAPE ARCHITECT.

CONSTRUCTION AND NOTIFY LANDSCAPE ARCHITECT OF SAME.

GRADING NOTES

WITHIN LIMITS OF CONSTRUCTION.

LANDSCAPE INSTALLATION

SOD ALL DISTURBED AREAS.

OTHER CONTRACTORS WORKING ON SITE.

23. ALL PLANTING AREAS RECEIVING GROUND COVER, PERENNIALS, ANNUALS, AND/OR VINES SHALL RECEIVE A MINIMUM OF 8" DEPTH OF PLANTING SOIL CONSISTING OF AT LEAST 45 PARTS TOPSOIL, 45 PARTS PEAT OR MANURE AND 10 PARTS SAND. 24. WRAPPING MATERIAL SHALL BE CORRUGATED PVC PIPING 1? GREATER IN CALIPER THAN THE TREE BEING PROTECTED OR QUALITY, HEAVY, WATERPROOF CREPE PAPER MANUFACTURED FOR THIS PURPOSE. WRAP ALL DECIDUOUS TREES PLANTED IN THE FALL PRIOR TO 12-1 AND REMOVE ALL WRAPPING AFTER 5-1.

25. STEEL EDGER TO BE USED TO CONTAIN SHRUBS, PERENNIALS AND ANNUALS WHERE BED MEETS SOD/SEED UNLESS NOTED OTHERWISE. 26. ALL SHRUB BED MASSINGS ADJACENT TO BUILDING AND PARKING LOT ISLANDS TO RECIEVE 4" DEEP STONE MULCH AND FIBER MAT WEED BARRIER ALL OTHER SHRUB BED MASSINGS TO RECEIVE 4" DEEP SHREDDED HARDWOOD MULCH

27. ALL EVERGREEN TREES TO RECEIVE 4" DEEP SHREDDED HARDWOOD MULCH WITH NO MULCH IN DIRECT CONTACT WITH TREE TRUNK. 28. ALL ANNUAL AND PERENNIAL PLANTING BEDS TO RECEIVE 3" DEEP SHREDDED HARDWOOD MULCH WITH NO WEED BARRIER. 29. VERIFY PROPOSED IRRIGATION SYSTEM LAYOUT AND CONFIRM COMPLETE LIMITS OF IRRIGATION PRIOR TO SUPPLYING SHOP DRAWINGS.

34. CONTRACTOR IS RESPONSIBLE FOR ON-GOING MAINTENANCE OF ALL NEWLY INSTALLED MATERIALS UNTIL TIME OF OWNER ACCEPTANCE. ANY ACTS OF

VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO OWNER ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PROVIDE THE OWNER WITH A MAINTENANCE PROGRAM INCLUDING, BUT NOT NECESSARILY LIMITED TO, PRUNING, FERTILIZIATION AND DISEASE/PEST CONTROL. CONTRACTOR SHALL GUARANTEE NEW PLANT MATERIAL THROUGH ONE CALENDAR YEAR FROM THE DATE OF OWNER ACCEPTANCE.

36. WARRANTY (ONE FULL GROWING SEASON) FOR LANDSCAPE MATERIALS SHALL BEGIN ON THE DATE OF ACCEPTANCE BY THE LANDSCAPE ARCHITECT AFTER THE COMPLETION OF PLANTING OF ALL LANDSCAPE MATERIALS. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED. 37. REPRODUCIBLE AS-BUILT DRAWING(S) OF ALL LANDSCAPE INSTALLATION AND SITE

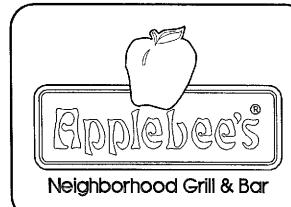
IMPROVEMENTS UPON COMPLETION OF CONSTRUCTION INSTALLATION AND PRIOR TO

38. UNLESS NOTED OTHERWISE THE APPROPRIATE DATES FOR SPRING PLANT MATERIAL INSTALLATION AND SEED/SOD PLACEMENT IS FROM THE TIME GROUND HAS THAWED 39. FALL SODDING IS GENERALLY ACCEPTABLE FROM AUGUST 15 - NOVEMBER 1. FALL SEEDING FROM AUGUST 15 — SEPTEMBER 15; DORMANT SEEDING IN THE FALL SHALL NOT OCCUR PRIOR TO NOVEMBER 1. PLANTING OUTSIDE THESE DATES IS NOT RECOMMENDED. ANY ADJUSTMENT MUST BE APPROVED IN WRITING BY THE

40. CONIFEROUS PLANTING MAY OCCUR FROM AUGUST 15 — OCTOBER 1 AND FALL DECIDUOUS PLANTING FROM THE FIRST FROST UNTIL NOVEMBER 15. PLANTING OUTSIDE THESE DATES IS NOT RECOMMENDED. ANY ADJUSTMENT MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT. 41. LANDSCAPE CONTRACTOR SHALL ESTABLISH TO HIS SATISFACTION THAT SOIL AND COMPACTION CONDITIONS ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AT AND AROUND THE BUILDING SITE.

40 OWNER CHAIL BE RESPONSIBLE FOR MAINTAINING CTREETCOARE BLANTS

<u>CONIFEROUS TREES</u> 2 BLACK HILLS SPRUCE FULL FORM TO GROUND PICEA GLAUCA DENSATA F | 12 | ALPINE CURRANT POT |SPACE 3'-0" 0.C IRIBES ALPINUM G 115 ANTHONY WATERER SPIREA SPACE 5'-0" O.C SPIRAEA JAPONICA 'ANTHONY WATERER' 145 CAREFREE BEAUTY ROSE SPACE 3'-0" O.C. IROSA X SP. 'CAREFREE BEAUTY' I 84 MNT JULEP JUNIPER SPACE 4'-0" O.C SPRD. JUNIPERUS CHINENSIS 'MINT JULEP' J 2 WINGED EUONYMUS |SPACE 3'-0" O.C. RECEIVED EUONYMUS ALATUS DIVISION OF CITY PLANNING SEP 09 1997 K 96 STELLA D'ORO DAYLILY SPACE 12" O.C. HEMEROCALLIS 'STELLA D'ORO 55 ASSORTED DAYLILY SPACE 12" O.C. MINNESOTA HEMEROCALLIS SP.

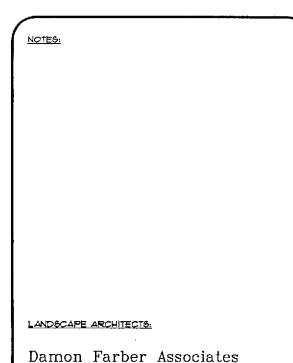


OWNERS/DEVELOPERS:

APPLEBEE'S INTERNATIONAL, INC. 4551 W. 107th Street Suite 100 Overland Park, Kansas 66207 (913)967-4005 fax(913)341-1695



BID ISSUE

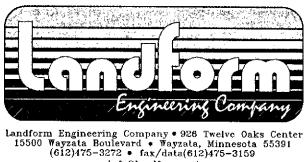


CIVIL SHEET INDEX SHEET TITLE EXISTING CONDITIONS PLAN SITE PLAN GRADING & EROSION CONTROL PLAN UTILITY PLAN ENLARGED PLAN CONSTRUCTION DETAILS SITE ELECTRICAL PLAN LANDSCAPE PLAN LANDSCAPE SPECIFICATIONS IRRIGATION PLAN

6/25/97 9/4/97	BID ISSUE ADDENDUM #I	<u>A</u>	. v L w
Quality Manag	gment Review:	•	
By: SARA MORE  CERTIFICATION:		Date: 6/24/9	
I hearby cent by me, or un and that I a	ify that the plan w der my drect super m a duly registered ichitect under the k	VISION	
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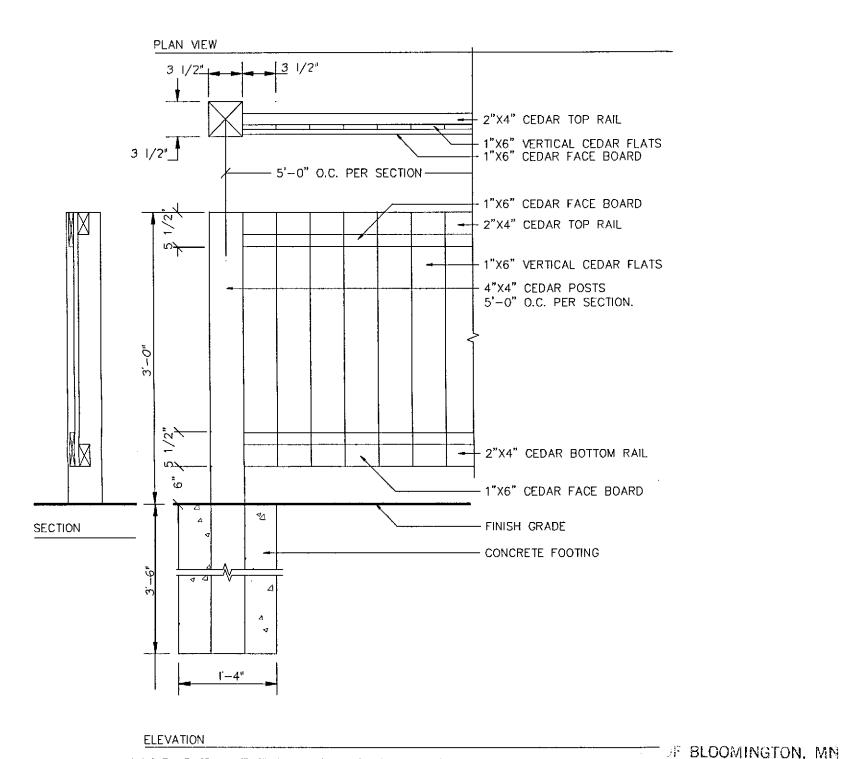
APPLEBEE'S RESTAURANT

Bloomington, Minnesota



info@landform.net





WOOD FENCE DETAIL

NOT TO SCALE

## SPECIFICATIONS

SECTION 02930 - SODDING

PART I - GENERAL I.OI SUMMARY A. Section includes:

Sodding
 Fertilizing
 Watering and moving

B. Related Sections

. Conditions of the Contract and Division I — General Requirements govern provisions of this section. 2. Section *02200 —* Barthyork: Topsol

4. Section 02950 - Trees, Shrubs and Groundcover

1.02 REFERENC A. Minnesota Department of Transportation, Standard Specifications for Constitution, 1995

B. American Sod Producers Association, Inc. (ASPA): Guideline Specifications to Sodding

C. Federal Specifications (Fed. Spec.): O-F-241D; Fertilizers, Mixed, Commercial. 1.03 PROTECTION

A. Monuments: Cocafully manion benchmarks, manufacts and other reference points, if

operations in a manner that will not domage or jeopardize the surrounding plant life

A. Submit soil test results to landscape architect prior to beginning of landscape operations.

B. Protection: Contractor shall protect all that is to remain and shall conduct all sadding

PART 2 - PRODUCTS

A. Sod shall be nursery grown as classifed in the ASPA Guideline Specifications to Sadding Sad shall be 100% inheral sad. Sad grown in peat sats will not be accepted. B. Sod shall be used in all areas to be sadded, and shall require the following inxture:

Bosanical Name Common Name Mixture Percent (Min) Poa protensis Kentucky Blue Gross 75

Acceptable varieties include park, nevport, glade, rugget, touch down, rugby and parade. C. Sad shall be free from naxous yeeds, relatively free from all other weeds and free from roots, stones and any other objectionable materials. Sod shall resut normal handling

 vithout undue breaking or tearing. D. Before sod is cut, it shall be raked free of debrie and the top growth trimmed to a height of

E. Sad shall be cut in uniform strips 18° minimum width and to a uniform thickness so a dense root system will be retained, but be exposed on the bottom side of the sod. When

sod is cut, it shall be sufficiently most to withstand exposure and handling during transplant operations. If necessary, sad shall be watered before cutting. 2.02 FERTILIZER A. Fertilizer: Shall be a commercial formula containing at least the minimum analysis of 0%

total Nitrogen, 26% Phosphoric Acid, 26% vater soluble Potash (0-26-26) applied at the rate of 20 pounds per 1000 square feet

A. Contractor shall supply water as necessary to assure that plant material is uniformly moistened and maintained in a moist condition until the work has been approved by the landscape architect and responsibility for maintenance accepted by the owner.

A. Topsof shall be obtained from the soil horizons normally designated as "A" or "B" as defined by the Sciences Society of America, or shall be obtained from alluvial deposits. In addition, topsoil borrow shall meet the following requirements

Material passing No. 10 sieve 85% Set 40% Sand 40% Organic matter 3% pH 6.1%

PART 3 - EXECUTION

B. Subsoil and topsoil to be tested for its structure and ability to support plant growth prior to beginning landscape operations. Tests shall be submitted to the landscape architects and appropriate amendments should be made (if necessary) thereafter. All sais test costs shall be borne by the Contractor.

C. Soil Amendments (if required): I. Line: Natural Imestone containing not less than 85% of total carbonates, ground so that not less than 90% passes a 10 mesh sieve and not less than 50% passes a 100 2. Aluminum sulfate: Commercial grade.

3. Peal humus: FS Q-P-166 and with texture and pH range suitable for incended use. 4. Bone meal: Commercial, ray, finely ground; 4% nitrogen and 20% phosphoric acid. 5. Super phosphate: Soluble mixture of treated mnerols; 20% available phospharic acid. Sand: Clean washed, free of toxic materials. . Perlite: Conforming to National Bureau of Standards PS23. 3. Vermiculite: Horticultural grade, free of toxic substances.

with 7.5 lbs of nitrogen uniformly mixed into each cubic yard of savdust.

10. Manure: Well rotted, unbleached stable or cottle manure containing not more than 25% by volume stray, savoust or other bedding materials and containing no chemicals or ingredents harmful to plants.

11. Peat mass: Peat mass shall be portiolly decomposed sphagnum mass, brown in color, and delivered to the lob site in bales marked with the name of the manufacturer sefore using, the peat mass shall be thoroughly shredded into small particles. 12. MnDOT Grade 2 compost: Humus rich compost derived from leaves and yard vaste or anmal poultry manure, texture smilar to shredded peat.

1. Savdust: Rotted savdust, free of chips, stones, sticks, sof or toxic substances and

SECTION OZBII - LANDSCAPE IRRIGATION

PART I - GENERAL 1.01 SUMMARY

A. Section includes

1. Pipe and fittings, valves, sprinkler heads, emitters, bubblers and accessories. 2. Control system.

B. Related Sections:

I. Conditions of Contract and Division 1- General Requirements govern provisions of this

Section 02200 - Earthworks.

Section 02930 – Soddrag.
 Section 02950 – Trees, Plants and Ground Covers.
 Division 16: Electrical Service.

1.03 REFERENCES A. ANSI/ASTM D2564 - Solvent Cement for Poly Vinyl Chloride (PVC) Plastic Pipe and Fittings.

B. ASTM B32 - Solder Metal. C. ASTM 842 - Seamless Copper Pipe, Standard Sizes.

D. ASTM 888 - Seamless Copper Water Tube. E. ASTM D2235 — Solvent Cement for Acrylonitrie — Butadiene — Styrene (ABS) Plastic Pipe and

F. ASTM D2241 (PVC) Plastic Pipe (SDR-PR). SDR-15, PE 3408 PolyFlexible.

G. FS 0-F-506 - Flux, Soldering; Paste and Liquid. H. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum).

1.04 SYSTEM DESCRIPTION A. Electric solenoid controlled underground rigidation system, with pressure blow—out drain.

B. Sowrce Power: 120 volt, 5 A., Single phose. C. Low voltage Controls: 24 volt. 2 A.

1.05 SUBMITTALS

A. Shop Drawings: Indicate piping layout to water source, location of sleeves under povement, ocation and coverage of sprinkler heads, components, plant and landscaping features, site structures and schedule of fittings to be used. Plan shall include design calculations including pipe sizing, pressure loss, and pressure at base of heads. Drawing must be stamped approved by landscape architect before proceeding with any work.

B. Priduct Data: Provide component and control system and vring diagrams

C. Samples: Provide one outlet of each type with housing. Accepted samples may not be used

1.06 DESIGN STANDARDS AND CRITERIA

A. !rrigation design shall provide 100% coverage of all planting beds and sodded/seeded areas B. Minimum precipitation rate:

1. 1.5 nches/hour - spray head zones

C. Design pressures: At last head in circuit, minimum  $30\,$  P.S.I. at base of head for sprays,  $40\,$  P.S.I. at base of head for rotors.

D. Design shall separate sodded/seeded preas from planting bed areas with separate zones to prevent overwatering/underwatering of different moisture requirements. 1.07 OPERATION AND MAINTENANCE DATA

A. Provide instructions for operation and maintenance of system and controls, seasonal activation and shutdown, and manufacturer's parts catalog

B. Provide schedule indicating length of time each valve is required to be open to provide a 1.08 QUALIFICATIONS

A. Manufacturer: Provide underground irrigation system as a complete unit produced by a single B. Installer: Company specializing in performing the work of this section with minimum three

LOG RECULATORY REQUIREMENTS A. Conform to applicable local and state laws and ordinances, and with all the established codes

B. Arrange for, obtain and pay for necessary permits, bonds and fees. LIO EXAMINATION OF SITE

A. Verify site conditions. The submission of the Contractor's proposal shall be considered evidence that a site examination has been made.

1.11 PRE—INSTALLATION CONFERENCE

A. Convene one week prior to commencing work of this Section, 1.12 FIELD MEASUREMENTS A. Verify that field measurements are as indicated on shop drawings.

1.13 COORDINATION

A. Coordnate the work with site backfilling, site grading and delivery of plant material. B. The contractor shall confine his operations to the areas to be improved and to the area allotted him for material and equipment storage.

PART 2 - PRODUCTS 2.01 MANUFACTURERS

Date 9/11/97

A. The grading of all areas to within 4" of final grade and the placing of 4" topsoil for final grading is specified in Section 02200, Earthwork.

B. Immediately prior to sodding, Contractor shall loosen the topsol to a depth of  $3^{\prime}$  on all

areas except slopes steeper than 3 horizontally to I vertically, using discs, horizontally rakes to produce fine grade. On slopes steeper than 3 to 1, use cultivating equipment in general direction at right angles to the direction of surface dramage wherever practical.

A. Fertifizer shall be applied to a properly prepared sat bed prior to sodding with a

A. Precautions shall be taken to prevent sod from dryng out and from heating. Sod that

B. Strips shall be placed tightly against each other so that no open joints are apparent. Joints between ends of strips shall be staggered at least one foot between adjacent rows.

C. On slopes the codding shall beam at the battom and proposes upward with string land

transverse to the flow of water. If necessary to protect sad already laid, the Contractor

D. At the top of the slopes, sod will be laid so water from adjacent areas will have free flow

E. No sodding shall be done earlier than August 15th nor later than November 1st, for fall

F. Sad shall be watered and compressed into the underlying soft by rolling, or tamped into

and the underlying soi. The rolling shall result in a smooth, even surface free of humps

sod until sof a socked at least once every four days unless natural ranfall has provided

H. Protect sadded areas with warning signs during maintenance period.

3.04 WATERING AND MOWING

clippings after moving and trimming.

3.06 CLEAN-UP

END OF SECTION

3.05 ESTABLISHMENT AND REPLACEMENT

condition or to the desired new appearance.

place. The initial vatering and rolling shall provide from contact and bond between the sad

G. Keep sod continuously most and well watered for 14 days after laying. Thereafter, water

A. Watering of all turf areas shall be performed by the Contractor as necessary to assure

B. Sodded areas shall be irmmed to a height of 2". If the gravith exceeds 3" during the

that sodded areas are uniformly moistened and maintained in a moist condition until the

work has been approved by the Landscape Architect and responsibility for maintenance

construction period, prior to acceptance by the Owner. Immediately remove heav

A. Any sad which fails to become established during the first  $30\,$  days after Owner acceptance shall be replaced immediately by the contractor at the direction of the

B. The Contractor shall be hable to may all sadded areas until Owner acceptance of the

A. All soil monume, or similar material brought into poved areas by work operations shall be

removed promptly, keeping these areas clean at all times. Upon completion of sodding, excess soi, stones, and debris not previously cleaned up shall be disposed of off site.

B. All ground areas disturbed as a result of sodding shall be restored to their original

sodding or earlier than April 15th nor later than June 1st for spring sodding. Changes in above dates only if directed in writing by the Landscape Architect, specifying exact date of

mechanical spreader and thoroughly mixed in top 3" by means of a meeker harrow, b

shows viable signs of heating shall not be incorporated in the project.

shall Furnish ladders or treaded planks for workmen

3.01 GROUND PREPARATION

3.02 FERTILIZING

floring when applied.

3.03 5000ING

A. Acceptable manufacturers

B. All materials shall be new, first class, especially designed for the intended use.

2.02 CONTROLLER BOX A. Contractor to the new system into exacting controller.

A. Pressure man piping on the supply side of the zone valves or lateral piping greater than !— 1/2" diameter shall be class 160 PVC or equal. All fittings shall be solvent welded, schedule O socket type PVC. All solvent cement shall be compatible for PVC pipe and fittings and used in accordance with manufacturer's specifications. Solvent cement shall be suitable for

B. Lateral piping less than  $1-1/2^{rt}$  diameter on the discharge side of the zone valves shall be 100 psi polyethylene pipe or equal. Fittings shall be nylon or Hi-Max with staniess steel clamps or

A. Sleeves to be installed under drives and sidevalks and shall be class 160 PVC or equal and of the appropriate size and depth to accommodate piphs

B. Sleeves shall extend beyond the edge of paving or construction by 12" minimum.

C. The contractor shall submit a sleeving plan and necessary PVC conduit to appropriate

D. Sleeves should be held a minimum of 13 below surface.

A. A 3/4" Bross Quick Coupler Valve shall be provided to writerze the system by the blowout method, including two valve keys. B. Automatic Remote Control Valves shall operate each zone and shall be sized as per

manufacturer's recommendations. Valves shall be housed in AMETEK or equal locking valve box with cover marked with the zone number. Valves shall be capable of being run manually. C. Backflow Preventers shall be pressure or reduced pressure depending upon the designed water pressure for this area and location of water source. Backflow to be Febro or approved equal and installed per manufacturer a guidelines and city/state codes. Backflow preventer is to be located in the building unless otherwise noted. Submit type of backflow preventer to be

A. Sprinkler Heads shall be of the appropriate type as recommended by the manufacturer.

A. Color coded control wire shall be Underwriter's Laboratory 14 gauge min, wire approved for 2.07 BOOSTER PUMP

A. The contractor shall be responsible to properly size and provide, if necessary, a booster pump as required to comply with manufacturer's design pressure, specified design pressure and city/state codes.

PART 3 - EXECUTION

3.01 PROTECTION A. Protect trees, shrubs, lawns, subvalks, drives, curbs and other features on or adjacent to the

A. All material shall be installed in accordance with local trade practice and codes and in 3.03 EXAMINATION

A. Verify site conditions.

B. Verify location of existing utilities.

C. Verify that required utilities are available and that adequate water pressure is available and in proper location, and ready for use 3.04 WATER SUPPLY

A. Tie into existing main line as indicated on drawings.

B. Install the impation system from the appropriate source in the building and take the system from the water source through the building wall to the site. 3.05 TRENCHING

A. Trench Size:

Mnimum Width: 6 inches.
 Mnimum Cover Over Installed Supply Piping: 20 inches.
 Mnimum Cover Over Installed Branch Piping: 12 inches.

4. Minimum Cover Over Installed Outlet Piping: 12 inche

B. Trench to accommodate grade changes and slope to drain: C. Maintain trenches free of debris, material, or obstructions that may damage pipe

D. PVC Mans and wres must be trenched and installed together in a single trench. Pulling by vibration play will be accepted for circuit pipe only. E. Install a 6" base of pea gravel or smilar dramage backfill at all valve boxes.

3.06 INSTALLATION A. Install pipe, valves, controls, and outlets in accordance with manufacturer's instructions. install locations finder tape over supply lines.

B. Connect to utilities.

C. Set putlets and box covers at Finish grade elevations D. Provide for thermal movement of components in system

E. Use threaded cut-off riser for risers to each outlet.

F. Install control wring in accordance with Division 16. Provide 10 inch expansion call at each valve to which controls are connected, and at 100 ft intervals. At each connection to the valve, sufficient slack shall be provided to Facilitate service. There shall be no splices between valve boxes. Contractor to comply with all applicable state and local electrical

G. After piping is installed, but before outlets are installed and backfilling commences, open valves and flush system with full head of water

H. Coordinate pipe installation with Division 15 and conduit installation

I. Piping shall be securely copped at the end of each days work to prevent entrance of foreign 3.07 FELD QUALITY CONTROL

A. Prior to backfilling, test system for leakage at man piping for whole system to maintain 100 B. System to acceptable if no leakage or loss of pressure occurs during test period.

3.08 BACKFLLING A. Provide 3 inch sand cover (passing a No. 4 sieve) over piping.

B. Backfill material shall be free from rock, large stone or other unsuitable substances. Backfilling of trenches containing plastic pping shall be done when pipe is cool to avoid excessive contraction. All backfill material will be compacted in 6' layers as it is brought up to finish grade as to haure that no settling occurs. Compact using vater. Protect pping fro 3.09 ADJUSTING

A. Adjust control system to achieve time cycles required.

B. Adjust head types to prevent as much as possible any overspray onto valks and roadways. No spray is permitted on buildings.

C. Adjust head types for full water coverage as directed. D. Location of Heads: Shop drawing design location is approximate. Make innor adjustments as necessary to avoid plantings and other obstructions

3.II DEMONSTRATION

A. Provide system demonstration. B. Instruct Owner's personnel in operation and maintenance of system, including adjusting of sprinkler heads. Use operation and maintenance material as basis for demonstrati

3.12 PROJECT RECORD DOCUMENTS A. Record actual locations of underground irrigation system including head locations. Submit for

approval before final payment is issue B.\* A copy of records of aspections and tests, as well as records of corrective actions taken, shall be furnished to the landscape architect by the contracto 3.13 EXTRA MATERIALS

A. Furnsh extra components

I. Two sprinkler heads of each type and size.

 Two valve keys for nanual valves
 Two valve box keys. Two keys for valve markers. 5. Two wrenches for each type head care and for removing and installing each type head.

3.14 CUARANTEE A. For a period of one year from date of final acceptance of the work performed under this contract, the Contractor shall promptly furnish, without cost to the Owner, any and all parts which prove defective in material or workmanashp. In the fail, following the mateliator, the Contractor shall drain the system for writer and the following spring shall put the system back into operation without cost to the Owner.

A. The Contractor shall at all times keep the premises on which the work is being done, and the adjoining premises, clean of rubbish caused by his work.

3.15 CLEANING PROCESS

PART I - GENERAL

A. Section includes:

5. Edang.6. Mulching.7. Clean—up.

1. Conditions of Contract and Division 1 — General Requirements govern provisions of this

a. Provide a lump sum bid price proposal for all materials, labor, incidental items, mantenance and quarantee required for complete planting of trees, shrubs and

B. American National Standards Institute (ANSI): Z60.1-1986, American Standard for Nursery

C. American Society for Testing and Materials (ASTM): D 2607-69; Peats, Mosses, Humus and

days before beginning plant installation. Schedule shall specify planting season (spring or all), dotes, locations, and plant materials to be installed. Once accepted, revise only as approved in writing, after documentation of reasons for delays. B. Substitutions will not be permitted. If proof is submitted that any plant specified is not obtamble, a written proposal will be considered for use of the nearest equivalent size or variety with an equitable adjustment of contract price.

A. Codes: Plant materials shall comply with local, state and federal laws relating to inspection for diseases and insect infestation.

C. Plant Names and Labels: The namenalature used in the Drawings and Specifications conforms, with few exceptions, to that of the current edition of Standardized Plant Names as odopted by the American Joint Committee on Horticultural Nomenclature. D. Workmen: Landscoping work shall be performed by personnel familiar with planting

ottached waterproof tag bearing legible designation of botanical and common name site before planting) for compliance with requirements for genus, species, variety, size and quality. Landscape Architect retains right to further inspect trees and shrubs for size and condition of balls and root systems, insects, injuries and latent defects, and to reject unsatisfactory or defective material at any time during progress of work. Remove rejected trees or shrubs immediately from project site.

procedures, and work shall be corried out under the supervision of a qualified planting

1.05 DELIVERY, STORAGE AND HANDLING

A. Notify Landscape Architect in advance of delivery of trees, shrubs and other plant material B. When shipment of plant material is made by truck, pack to provide adequate protection against almote and breakage during transit and tie to prevent whipping. Cover tops to

C. Deliver all packaged material in original, undamaged containers. Packaging to clearly identify manufacturer, brand, name, analysis of contents and net veight. D. Deliver plant naterial direct from nursery. Heel-in immediately upon delivery if not to be planted within four hours, covering with most sof, mulch or other approved nedium to protect from drying. Store plants in shade and protect from weather.

E. Do not drop plant materials or pick up balled plants by stems or trunks. F. Handle packaged materials in such a manner as to prevent contamnation or spilage.

G. No plant shall be bound with wire or rope so as to damage the bank or spread of the

H. Apply anti-desicont using power spray to provide an adequate film over trunks, branches, stems, twos and folloge. If deciduous trees or shrubs are moved in full-leaf, spray with anti-desicant at nursery before moving and again 2 weeks after planting. Spray conferous plants 1.06 JOB CONDITIONS

A. Proceed with the complete landscape work as rapidly as portions of site become available,

B. Utilities: Determine location of underground utilities and perform work in a manner which will avoid possible damage. Hand excavate, as required. Mantan grade stakes set by others until removal is mutually agreed upon by both parties concerne C. Excavation: When conditions detrimental to plant growth are encountered, such as rubble ffl, adverse dramage conditions, or obstructions, notify Landscape Architect before planting.

D. Planting operations shall be conducted under favorable veather conditions during either the

Spring planting season, from time ground has thosed to June 15, or the Fall planting season, September 30 until November 15. During the Fall planting season conferous material planting shall be conducted August 15 to October 1. Coordinate planting with specified maintenance periods to provide maintenance up to date of Owner's accept E. Coordnation with Lawns: Plant trees and shrubs after final grades are established and pror to planting of lawns, unless otherwise acceptable to Landscape Architect. If planting of trees and shrubs occurs after lawn work, protect lawn areas and promptly repair damage to lawns

F. Contractor shall be responsible for coordinating the installation of the underground irregation system. Refer to specification 02811.

PART 2 - PRODUCTS

2.01 PLANTING SOIL

A. Planting soil shall be fertile, frable natural loom containing a liberal amount of humas and be capable of sustaining vigorous plant growth. Planting soil is to be of even consistency and composed of 1 lb. of 5-10-5 commercial fertilizer per cubic yard of planting soil and 75% fine clay loam, 15% peat and 10% well rotted cov manure. The mature shall be free from hard pack, subsof, stones, rubble, chemicals,

2.02 PLANT MATERIALS

A. Decidious Trees: Provide trees of height and colliper listed scheduled or shown and with branching configuration recommended by ANSI Z60.1 for type and species required. Provide single stem trees except where special forms are shown or listed. I. Provide boiled and burlapped (B & B) deciduous trees.

B. Deciduous Shrubs: Provide shrubs of the height shown or listed and with not less than

minimum number of cones required by ANSI 260.1 for type and height of shrub required.

I. Provide balled and burtopped (B & B) deciduous shrubs. C. Coniferous and Broad-leafed Evergreens: Provide evergreens of sizes shown or listed. Dimensions indicate minimum spread for spreading and semi-spreading type evergreens and height for other types, such as globe, dvorf, cone, pyramidal, broad up—right, and columnar. Provide normal quality evergreens with vell—balanced form complying with requirements for other size relationships to the primary dimension shown.

. I. Provide balled and burlapped (B & B) evergreens

2.03 DIGGING AND HANDLING

A. Protection from extremes in exposure and rough handling shall be provided for all plant moterials during transport and storage. All precautions customery in good trade practice shall be taken in preparing plants for transplanting, in accordance with the American Standard for Nursery Stock. Workmanship that fails to meet the highest standards will be rejected. B. All plant materials shall be assembled in one location on the job site to permit inspection and

hours prior to planting so that a nutually agreeable time may be arranged for inspection.

Stock with broken root balls or loose containers, and stock which shows evidence of being

rook bound, overgrown or recently conned, or n the opinion of the Landscape Architect is domaged or improperly cored for, shall be removed from the site immediately and replaced of the Contractor a expense with another plant meeting the original Specific C. Dig balled and burlapped (B & B ) plants with firm natural balls of earth, of sufficient diameter and depth to include oil forcus and feeding roots. No plants woved with a ball will be occepted if the ball is cracked or broken before or during planting operations except open special approval of the Landscape Architect.

approval by the Landscape Architect. The Contractor shall notify the Landscape Architect 48

D. Roots or balls of all plants shall be adequately protected at all times from sum and drying

E. All balled and burlapped plants which cannot be planted immediately upon delivery shall be set on the ground and shall be well protected with soil, wet moss, or other acceptal material. Bare rooted plants which cannot be planted mmediately shall be protected with soil wet moss or heeled in trenches immediately upon delivery F. Plants shall not be pruned prior to approval by the Landscape Architect.

2.04 MISCELLANEOUS LANDSCAPE MATERIALS I. Steel Edgna:  $3/16^4 \times 4^4$  Ryerson commercial steel edgna (or approved equal) of size shown on drawings fabricated in sections with loops pressed from or yelded to face of

edging sections and stakes with manufacturer's standard green or black pant. Install in B. Stakes and Braces: Wood stakes and braces shall be common lumber of the sizes in the

sections at 2'-6" o.c. to receive stakes. Provide tapered steel stakes 16' long.

Tree Size Brace Stakes Guy Stakes

" - 3-1/2" 2" X 2" X 9'-0" 2" X 2" X 2'-0"

4" & over Not applicable Not applicable C. Guy Wres: Guy wres shall be a good commercial quality of galvanized wire. Wre used to quy trees up to four niches shall be No. 12 gauge; were used to guy trees four niches and over

D. Hose collars: Hose collars shall be new two ply fabric bearing garden hase not less than  $1/2^{\circ}$ E. Tree Wrapping Material: Material shall be first quality four inch wide rolls of bituminous impregnated tape, corrugated or crepe paper, specifically manufactured for tree grapping. and having qualities to resist insect infestation

F. Mulch: Organic mulch free from deleterious materials and suitable for top dressing of trees,

G. Maintenance strip, planting adjacent to building and parking lot islands with veed fabric 1 -1 buff Limestone (to match existing)
 2. Landscape Fabric: DeWitt ProWeed Barrier or equal

A. Contractor shall supply water required as necessary to assure that plant material is uniformly mostened and mantaned in a most condition until the work has been approved by the Landscape Architect and responsibility for mantenance accepted by the Owner.

A. In the event that rack or underground construction work or obstructions are encountered in ony plant pit excavation work to be done under the Contract, alternate locations may be selected by the Landscope Architect. Where locations cannot be changed the obstructions shall be removed to a depth of not less than three (3) feet below grade and no less than six

3.01 OBSTRUCTIONS BELOW GROUND

PART 3 - EXECUTION

shrubs or plants and consisting of the following

(6) notes below bottom of ball or roots when plant is properly set at the required grade. The Contractor shall be responsible for the removal of such rock or underground obstructions 3.02 PERCOLATION TEST A. Contractor shall perform a percolation test for any planted area where insufficient dramage due to poor sois, compacted sois or other conditions will result in lovered plant perfor

A. Tree planting pts which fail to neet percolation tests shall be installed with a dramage system

3.04 TREE PLANTING A. Layout: All tree locations will be staked by the Contractor in the field to conform to the Drawings. Locations shall be approved by the Landscape Architect prior to doging and placement. No material shall be planted without approval of the Landscape Architect. Where overhead obstructions are encountered, tree relacation shall be designated by the Landscape

B. Planting Pits: Shall be as per planting details.

C. Planting Soil Preparation:  $M\alpha$  bone meal per the manufacturer's label instructions or I !b. of -10-5 commercial fertizer per cubic yard of topsol and then one part peat mass with five ports topsof. Mix all components thoroughly before bockfiling. Mix two thirds of planting soil with 1/3 existing soil for all planting pits.

D. Setting of Trees: before setting the trees, pits shall be backfilled with topsoff to a depth of tvelve (12) nohes, thoroughly camped and vatered. All plants shall be placed at such a level so that after settlement, the natural relationship between the original grade at which the plant grew, and the present one shall be the same. Trees shall be planted plumb, arented for desired effect as drected by the Landscape Architect. Planting sail shall be tamped under and around the base of each ball to fill all voids and shall be placed in 6 to 8 nch layers, each

thoroughly tamped and puddled. Burlap shall be removed from the top of balls and adjusted

to prevent ar pockets. No burlop shall be pulled from under the balls

I. Before setting the trees, the bottom and sides of the tree pits are to scorified to depth of The scorfied soil shall be mixed with the planting soil to provide a transition soil zone between the planting soil and existing soil. 2. All plants shall be placed at such a level so that after settlement, the natural relationship between the original grade at which the plant grew, and the present one shall be the same. Trees shall be planted plumb, oriented for desired effect as directed by the andscape Architect. 3. String/cope holding the hurlon in place shall be cut from occurred trunk. Burlon shall be removed from the top of balls and adjusted to prevent ar pockets. No burlap shall be pulled from under the balls. When the hole has been 2/3 backfilled with "planting" soil in successive 8" layers, vater shall be poured in filing the hole, and allowed to sook away so that all voids or air pockets under or around the roots are eliminated. After the water has sooked away, the hole shall be completely backfilled with "planting soil." After the backfill settles, additional soil shall filled in to the level of the finished grade.

5. Dish top of backfil to allow for mulching.
6. Mulch pits, trenches and planted areas. Provide not less than 2' thackness of shredded hardward mulch except where nated on drawing to receive 4' of rock mulch and finish level with adjacent finish grades.

3.05 PRUNING

A. All trees shall be neatly pruned after planting in accordance with the best standard practices The tree shall be pruned to preserve its natural form and character and in a manner appropriate to its particular requirements. In general, no more than one third of the deciduous trees shall be removed be thinning or shortening of branches and no leaders shall be cut. All pruning shall be done with clean, sharp tools. All cuts over 1/2 nch in dometer shall be immediately covered with an approved tree point having an asphaltic base which dries and hardens after application. All trees shall neet specified size, quality, and all other requirements ofter pruning. 3.06 WRAPPING

A. All deciduous trees (except Hackberry, Birch and Poplar) shall be wrapped with material as specified. The wrapping bandage shall be secured at top and battom of the trunk. The bandage shall cover the entire surface of the trunk to the height of the first branches, andaging shall start at the base of the tree unless otherwise specified and be made secure by paning with approved type tree pant having on asphaltic base which dries and hardens

3.07 SHRUB PLANTING

A. Layout: Beds and pit locations shall be approved by the Landscape Architect in accordance with the plant list and tentionive locations shown on the Drawings. The general form of the planting bed shall be staked out and excavating performed within the stakes B. Planting Pits: Planting pits shall have vertical sides. The diameter of the pits shall be one foot greater than the dameter of the ball of the shrub. The depth of the pit shall be enough to accommodate the ball or roots of the shrub when the shrub is set to finish grade, allowing for

six inches of compocied planting soil below the roots of the plan C. Setting of Shrubs: All materials shall be planted in the same relation to the finish grade as they had before transplanting. Plants shall have planting sall (with bone meal or 5-10-5) tamped under the root balls. All burlap, ropes, stakes, etc., shall be taken off the sides and tops of B & B shrubs and removed from the hole before bockfiling, but no burlop shall be pulled out from under the balls. Mix two thirds planting soil with one third existing for all

D. When the hole has been 2/3 backfilled with "planting sai" in successive 8" lovers, water shall

manner appropriate to its particular requirements. All pruning and thinning shall be done with sharp, clean tools. All cuts over 1/2 inch shall be painted with approved tree paint having an

be poured in filling the hole, and allowed to sook away so that all votes or at packets under or around the roots are eliminated. After the vater has sooked away, the hole shall be completely bockfilled with "planting sol". After the backfill settles, additional sol shall be filled in, to the level of the finish grade. A shallow source of sol shall be formed around the edge of E. Prunina: All shrube shall be neatly prumed or thinned immediately after planting in accordance with best standard practices. Broken or body brused branches shall be removed with a clean cut. Each shrub shall be pruned to preserve its natural form or character and in a

asphaltic base. All shrubs shall neet specified size, quality and all other requirements after F. Multh: Type shall be indicated on the Drawings and applied to all shrub beds and pits to a depth of 4 inches unless otherwise specified

A. Soi: Install planter soil mix. After setting occurs, soil shall be approximately 2 below top ag 3.09 MAINTENANCE The Contractor shall be required to make periodic checks on the total project to make certain the materials are properly vatered, cultivated, pruned, and that all acrys and stakes are n

3.10 PLANT WATERING AND MAINTENANCE A. The Contractor shall be required to make periodic checks on the total project to make certain are in proper adjustment, and that the sum of all conditions are contributing to the satisfactory

B. The Contractor is responsible to maintain and water the plant material until such time as the

that the naterals are properly vatered, cultivated, pruned, and that all guys and stakes are s proper adjustment, and that the sum of all conditions are contributing to the satisfactory progress of the naterals, until such time as the work is approved by the Landscope Architect

C. The Contractor shall monitor the planting material to assure that, if the site is impated, overwatering does not occur. Contractor shall be responsible for providing the owner a vatering schedule for trees, shrubs and groundcover, 3.10 INSPECTION AND ACCEPTANCE A. Inspection of this work will be made by the Landscape Architect or Architect at the conclusion of the planting period upon written notice by the Contractor at least five days prom to anticipated date. Condition of shrubs and trees will be noted and recorded for reference at

Architect if there are any deficiencies of the requirements for Owner acceptance of the vor

end of quarantee period.

3.11 GUARANTEE AND REPLACEMENT A. Plants and trees shall be quaranteed for one year after Owner acceptance and shall be alive and in satisfactory condition at the end of quarantee period. Such quarantee excludes

B. At the end of the quarantee period, inspection will be made by the Landscape Architect or

B. After inspection, the Contractor will be notified in writing by the Landscape Architect or

Architect upon written notice by the Contractor at least five days before the anticipated date.

Any shrub or tree required under this Contract that is dead ar not in satisfactory condition, as determined by the Landscope Architect, shall be removed from the site, and shall be replaced as soon as conditions permit during the normal planting season C. If there is dispute regarding the condition and satisfactory establishment of a rejected plant, the Contractor may elect to allow such plant to remain through another complete growing

season at which time the rejected plant or tree shall be replaced it found to be dead,

D. All replacements shall be shrubs and trees of the same kind and size as specified in the plant list. Replacement costs shall be borne by the Contractor E. Replacement plantings required at the end of the quarantee period are not to be guaranteed. These trees and shrubs are subject to inspection and rejection by the Landscape Archit before and after planting. 3.12 CLEAN UP

A. Any soil, manure, peat or similar material which has been brought onto poved areas by

 $\boldsymbol{\mathsf{B}}.$  All ground area disturbed as a result of planting operations shall be restored to their original

RECEIVED

DIVISION OF CITY PLANNING

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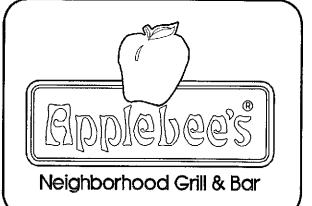
CITY OF BLOOMINGTON

MINNESOTA

houling operations or otherwise shall be removed promptly, keeping the area clean at all

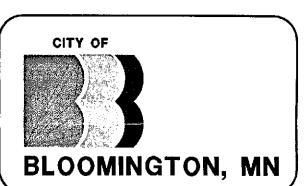
times. Upon completion of the planting, all excess sol, stones, and debre which have not previously been cleaned up shall be removed from site or disposed of.

condition or to the desired new appearance.



OWNERS/DEVELOPERS:

APPLEBEE'S INTERNATIONAL, INC. 4551 W. 107th Street Suite 100 Overland Park, Kansas 66207 (913)967-4005 fax(913)341-1695



BID ISSUE

NOTES:

LANDSCAPE ARCHITECTS: Damon Farber Associates 253 Third Avenue S. Minneapolis. Minnesota 55415 (612)332-7522 fax(612)332-0936 e-mail: dfainc@aol.com

TITLE SHEET EXISTING CONDITIONS PLAN SITE PLAN GRADING & EROSION CONTROL PLAN UTILITY PLAN ENLARGED PLAN CONSTRUCTION DETAILS CONSTRUCTION DETAILS SITE ELECTRICAL PLAN LANDSCAPE PLAN LANDSCAPE SPECIFICATIONS IRRIGATION PLAN

REVISION

5/01/97 CITY SUBMITTAL

6/25/97 BID ISSUE

Quality Managent Review y: SARA MORE Date: 6/24/97 CERTIFICATION: I hearby certify that the plan was prepared by me, or under my drect supervision and that I am a duly reastered Landscape Architect under the laws of Damos Douben

Registration #12538

95% COMPLETE OWNER REVIEW

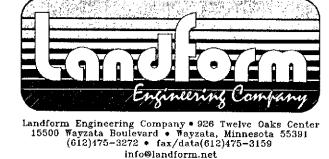
PROJECT:

Damon Farber

DATE

6/19/97

**APPLEBEE'S** Bloomington, Minnesota



LIØ2ØBLI.DWG FILE NAME: PROJECT NO. AP97003 LANDSCAPE SPECIFICATIONS

 Excavation below grade for trees and shrubs. Planting soil. . The furnishing, planting, propping and pruning of plant materials.

B. Related Sections:

1.02 REFERENCE

E. Labeling: Label at least one tree and one shrub per shrub bed of each variety with a securely F. Inspection: The Landscape Architect may respect trees and shrubs (at place of growth or at

SECTION 02950 - TREES SHRUBS AND CROHNDOOVER

I.OI SUMMARY

section.
2. Section 028II — irrigation System
3. Section 02930 — Sodding C. Unit. Prices

A. Minnesota Department of Transportation, Standard Specifications for Construction, 1995

D. Federal Specification (Fed. Spec.): 02-F-24ID; Fertilizers, Mixed, Commercial. I.03 SUBMITTALS

1.04 QUALITY ASSURANCE

.B. Grading Standards: Plant stock shall conform to the code of standards set forth in the current edition of American Standards for Nursery Stock (ANS)

water remans standing in the planting pit, the contractor shall install a planting pit dramage 3.03 PLANTING PIT DRAINAGE SYSTEM

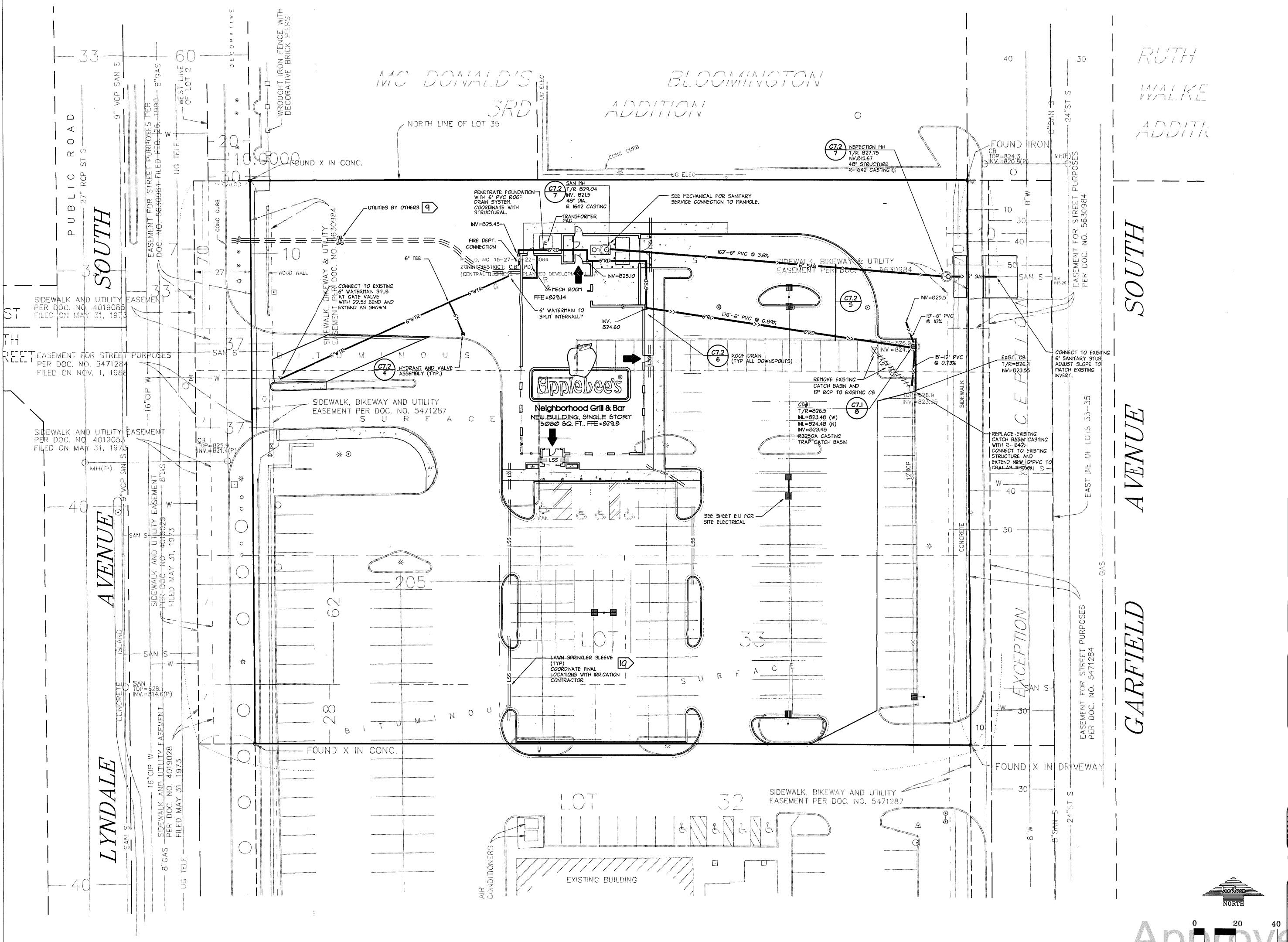
B. The contractor shall do planting pits per details and specifications. After planting pits have

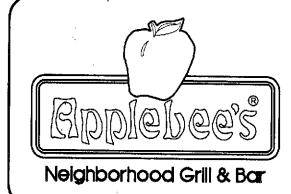
in each group of plantings two-thirds full of water. Upon the clapse of one hour of time if any

been properly duq as outlined in the details and specifications, the contractor shall fill one pit

l. Tree planting pits shall have a 4 dometer augured hole drilled to a minimum of 42 . 2. Augured hole shall be filled vith 3/4 dometer drain rock. 3. Drain hole shall then be covered with a 6 dometer piece of filter fabric staked or stapled in place to prevent distodang during planting operations. 4. Contractor to perform another percolation test. If voter remains standing after one hour of time, additional dramage holes shall be installed in the planting pit.

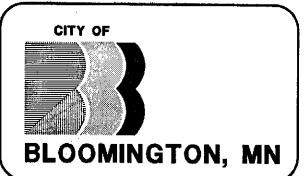
END OF SECTION





CUNERS/DEVELOPERS

APPLEBEE'S INTERNATIONAL, INC. 4551 W. 107th Street Suite 100 Overland Park, Kansas 66207 (913)967-4005 fax(913)341-1695

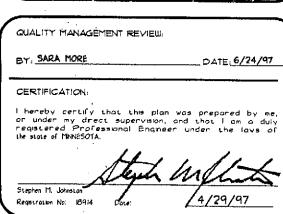


BID ISSUE

- NOTES: I MAINTAIN 7.5' COVER ON ALL NEW WATERMAIN,
- PPE LENCTHS SHOWN ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE OR END OF FLARED END SECTION.
- 3. PPE MATERIALS;
  WATERNAN DP CLASS 5?
  WATER SERVICE LS" COPPER DOMESTIC TYPE K'
  SAN SEWER PVC SOR 26
  STORM SEWER 12" RCP CLASS 5
- 4. SEE ELECTRICAL SITE PLAN FOR ADDITIONAL SITE ELECTRICAL INFORMATION, 5. ALL CONNECTIONS TO CITY UTLITIES TO BE IN ACCORDANCE WITH CITY OF BLOOMINGTON STANDARDS.
- COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF SERVICE CONNECTIONS AND CONTINUATION OF SERVICES WITHIN BUILDING.
- ADJUST ALL STRUCTURES, PUBLIC AND PRIVATE, TO PROPOSED GRADES WHERE DISTURBED. COMPLY WITH ALL REQUIREMENTS OF UTILITY OWNERS. 8. VERFY ALL CONNECTIONS TO EXISTING UTILITY SERVICES PRIOR TO CONSTRUCTION.
- Q COORDINATE WITH ALL INDIVIDUAL PRIVATE UTLITY OWNERS TO PROVIDE ELECTRIC, NATURAL CAS, TELEPHONE, AND CATV SERVICE TO PROPOSEO BUILDING.
- 10 COORDINATE WITH IRRICATION CONTRACTOR TO PROVIDE LAWN SPRINLER SLEEVES AS REQUIRED. IL CONTACT COPIER ONE FOR EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION, ANY DESCREPANCES BETWEEN LOCATED UTILITIES ANT THE EXISTING CONDITIONS PLAN SHOULD BE NOTED AND FORWARDED TO THE ENGINEER.
- 12. OBTAN ALL NECESSARY PERMITS FOR CONSTRUCTION WITHIN, OR USE OF PUBLIC RICHT-OF-WAY.

SHEET	I	
OHEC !	TITLE	
CO.1 C1.1 C2.1 C3.1 C4.1 C6.1 C7.1 C7.2	TITLE SHEET EXISTING CONDITIONS PLAN SITE PLAN GRAPING & EROSION CONTROL PLAN UTILITY PLAN ENLARGED PLAN CONSTRUCTION DETAILS CONSTRUCTION DETAILS	
EI.I	SITE ELECTRICAL PLAN	
LI.I LI.2 L2.I	LANDSCAPE PLAN LANDSCAPE SPECIFICATIONS IRRIGATION PLAN	

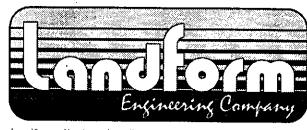
DATE	REVISION	REV
5/01/97	CITY SUBMITTAL	
6/19/97	95% COMPLETE OWNER REVIEW	
6/25/97	BID ISSUE	



PROJECT:

## **APPLEBEE'S** RESTAURANT

Bloomington, Minnesota



Landform Engineering Company • 926 Twelve Oaks Center 15500 Wayzata Boulevard • Wayzata, Minnesola 55391 (612)175-3272 • fax/data(612)175-3159 info@landform.net

