CONSTRUCTION PLANS FOR

GREENHILL SCHOOL DEASON FAMILY TENNIS CENTER

FOR

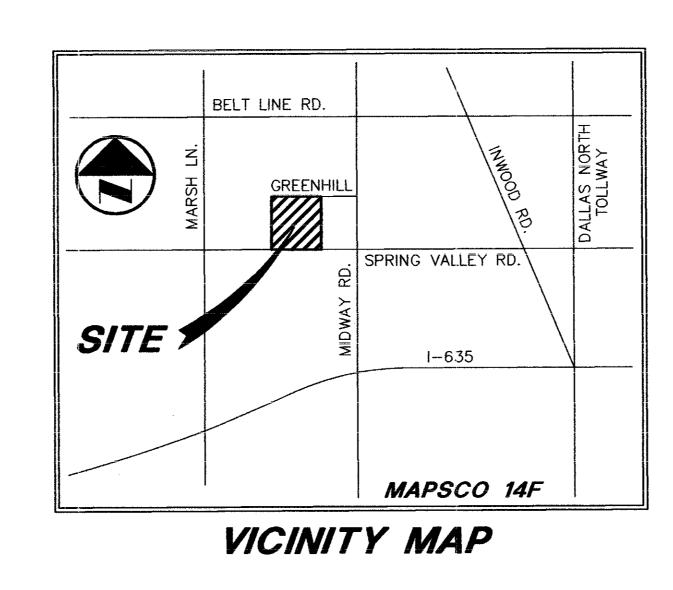
HIDELL ASSOCIATES
3033 Kellway Drive, Suite 120
Carrollton, Texas 75006
Ph. (972) 416-4666

OWNER/DEVELOPER

GREENHILL SCHOOL
14255 Midway Road
Dallas, Texas 75224
Ph. (972) 661-1211

PREPARED BY





DRAWING SHEET INDEX

SHEET	DESCRIPTION
C1.0	DIMENSIONAL CONTOL PLAN
C2.0	GRADING PLAN
C3.0	DRAINAGE PLAN
C4.0	WATER RELOCATION PLAN
C5.0	EROSION CONTROL PLAN

RECORD DRAWING

DATE REVISED: 03/20/2001

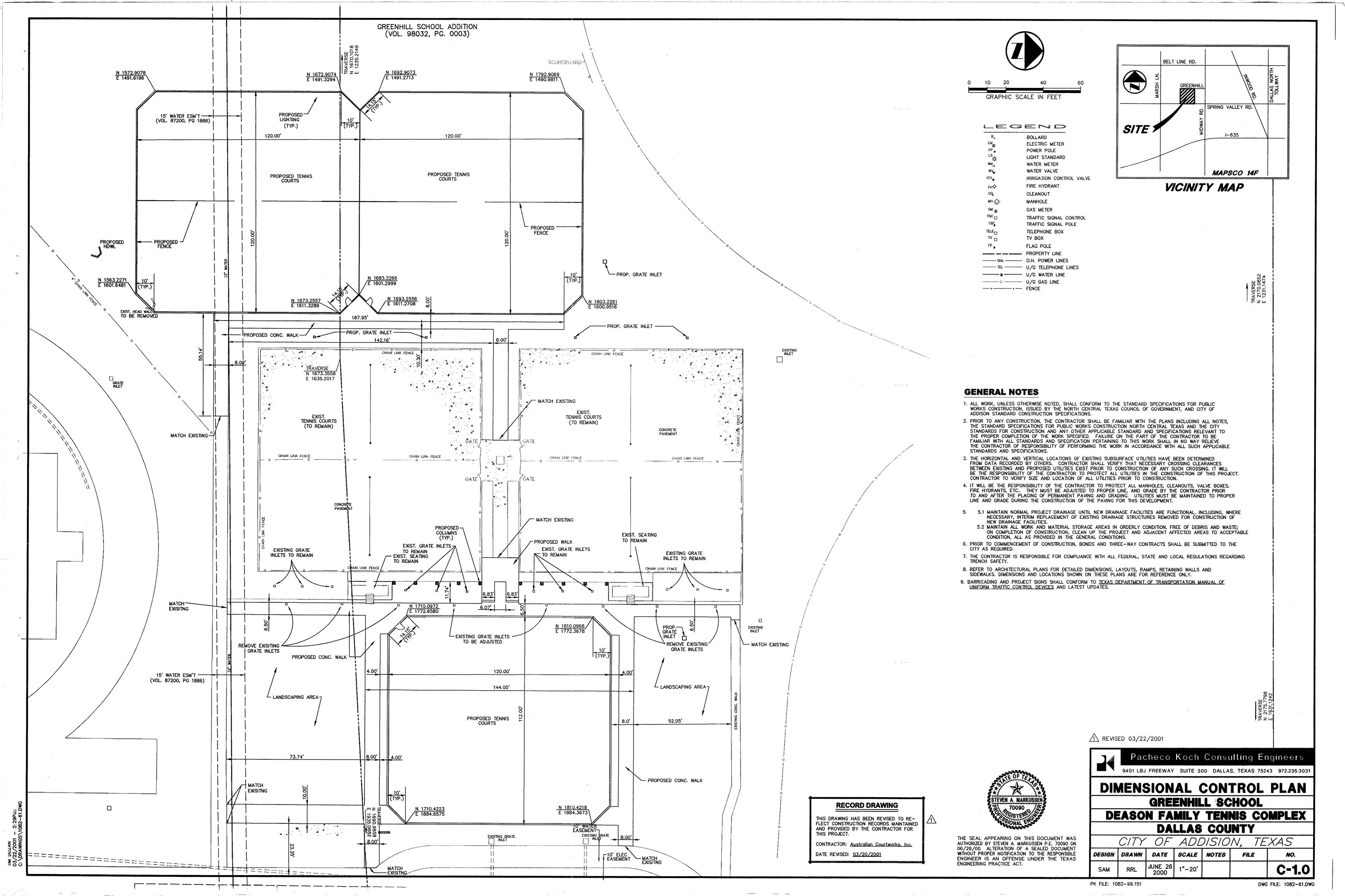
THIS DRAWING HAS BEEN REVISED TO RE—
FLECT CONSTRUCTION RECORDS MAINTAINED
AND PROVIDED BY THE CONTRACTOR FOR
THIS PROJECT.

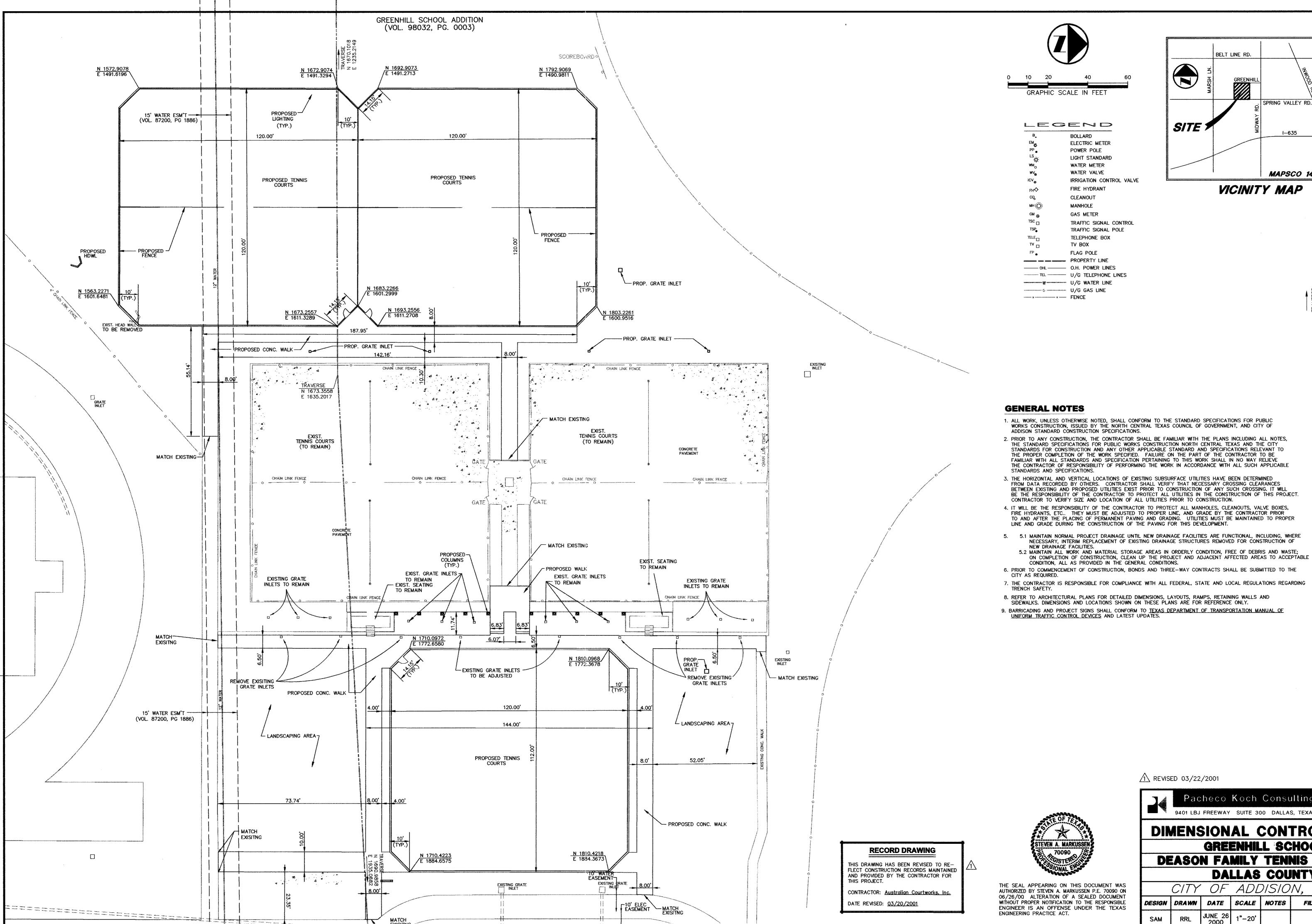
CONTRACTOR: Australian Courtworks, Inc.

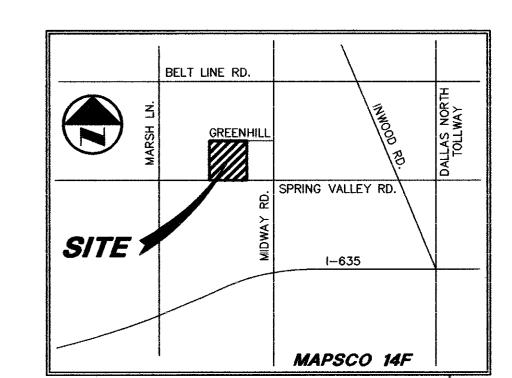


THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY STEVEN A. MARKUSSEN P.E. 70090 ON 06/26/00 ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

A REVISED 03/22/2001







VICINITY MAP

- 1. ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, ISSUED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENT, AND CITY OF ADDISON STANDARD CONSTRUCTION SPECIFICATIONS.
- 2. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL BE FAMILIAR WITH THE PLANS INCLUDING ALL NOTES, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION NORTH CENTRAL TEXAS AND THE CITY STANDARDS FOR CONSTRUCTION AND ANY OTHER APPLICABLE STANDARD AND SPECIFICATIONS RELEVANT TO THE PROPER COMPLETION OF THE WORK SPECIFIED. FAILURE ON THE PART OF THE CONTRACTOR TO BE FAMILIAR WITH ALL STANDARDS AND SPECIFICATION PERTAINING TO THIS WORK SHALL IN NO WAY RELIEVE THE CONTRACTOR OF RESPONSIBILITY OF PERFORMING THE WORK IN ACCORDANCE WITH ALL SUCH APPLICABLE
- 3. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS. CONTRACTOR SHALL VERIFY THAT NECESSARY CROSSING CLEARANCES BETWEEN EXISTING AND PROPOSED UTILITIES EXIST PRIOR TO CONSTRUCTION OF ANY SUCH CROSSING. IT WIL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. CONTRACTOR TO VERIFY SIZE AND LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 4. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, ETC.. THEY MUST BE ADJUSTED TO PROPER LINE, AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE PLACING OF PERMANENT PAVING AND GRADING. UTILITIES MUST BE MAINTAINED TO PROPER
- 5. 5.1 MAINTAIN NORMAL PROJECT DRAINAGE UNTIL NEW DRAINAGE FACILITIES ARE FUNCTIONAL, INCLUDING, WHERE NECESSARY, INTERIM REPLACEMENT OF EXISTING DRAINAGE STRUCTURES REMOVED FOR CONSTRUCTION OF 5.2 MAINTAIN ALL WORK AND MATERIAL STORAGE AREAS IN ORDERLY CONDITION, FREE OF DEBRIS AND WASTE;
- 6. PRIOR TO COMMENCEMENT OF CONSTRUCTION, BONDS AND THREE-WAY CONTRACTS SHALL BE SUBMITTED TO THE
- 7. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS REGARDING
- 8. REFER TO ARCHITECTURAL PLANS FOR DETAILED DIMENSIONS, LAYOUTS, RAMPS, RETAINING WALLS AND SIDEWALKS. DIMENSIONS AND LOCATIONS SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY.
- BARRICADING AND PROJECT SIGNS SHALL CONFORM TO <u>TEXAS DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES</u> AND LATEST UPDATES.

1 REVISED 03/22/2001

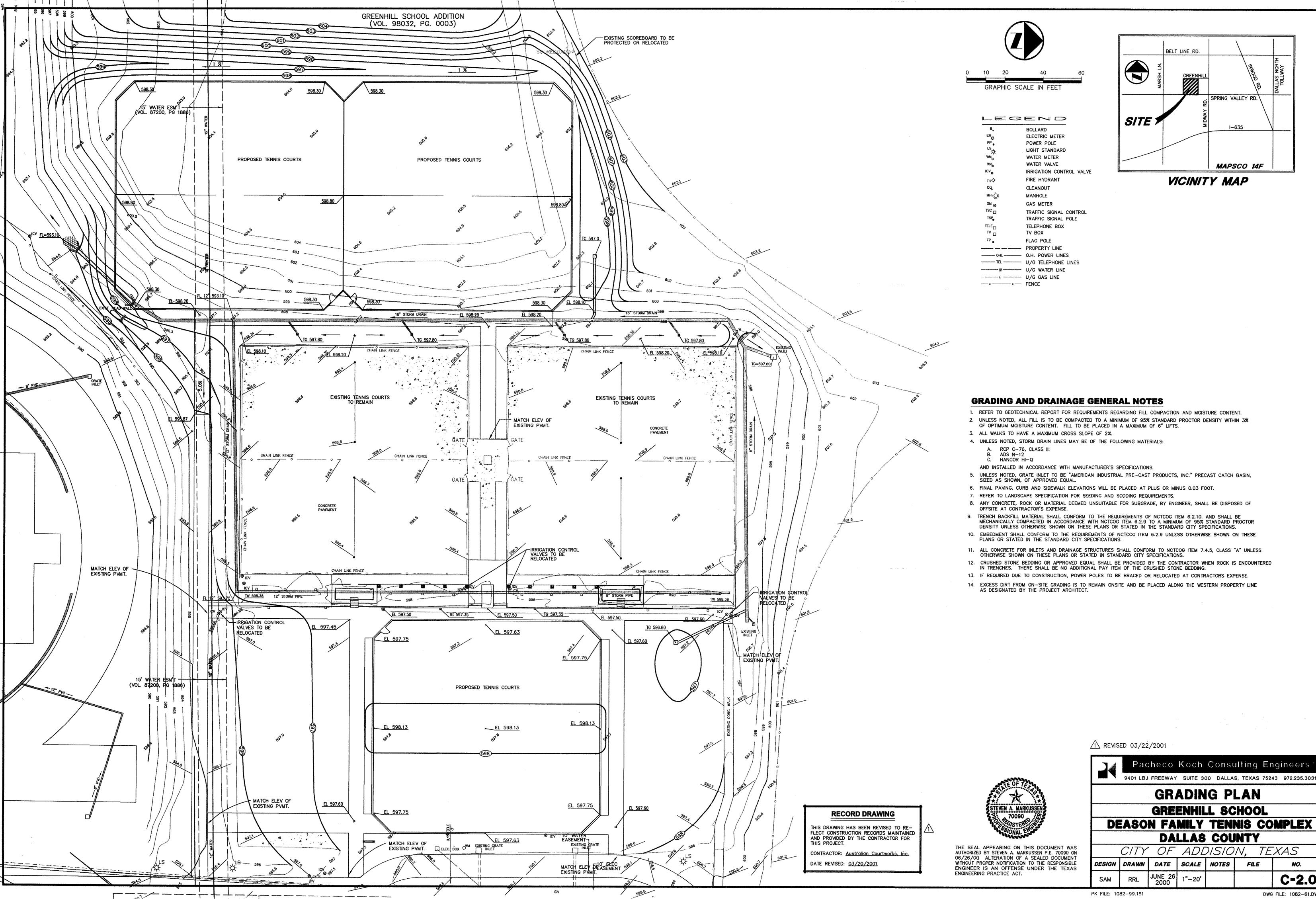


9401 LBJ FREEWAY SUITE 300 DALLAS, TEXAS 75243 972.235.3031 DIMENSIONAL CONTROL PLAN

Pacheco Koch Consulting Engineers

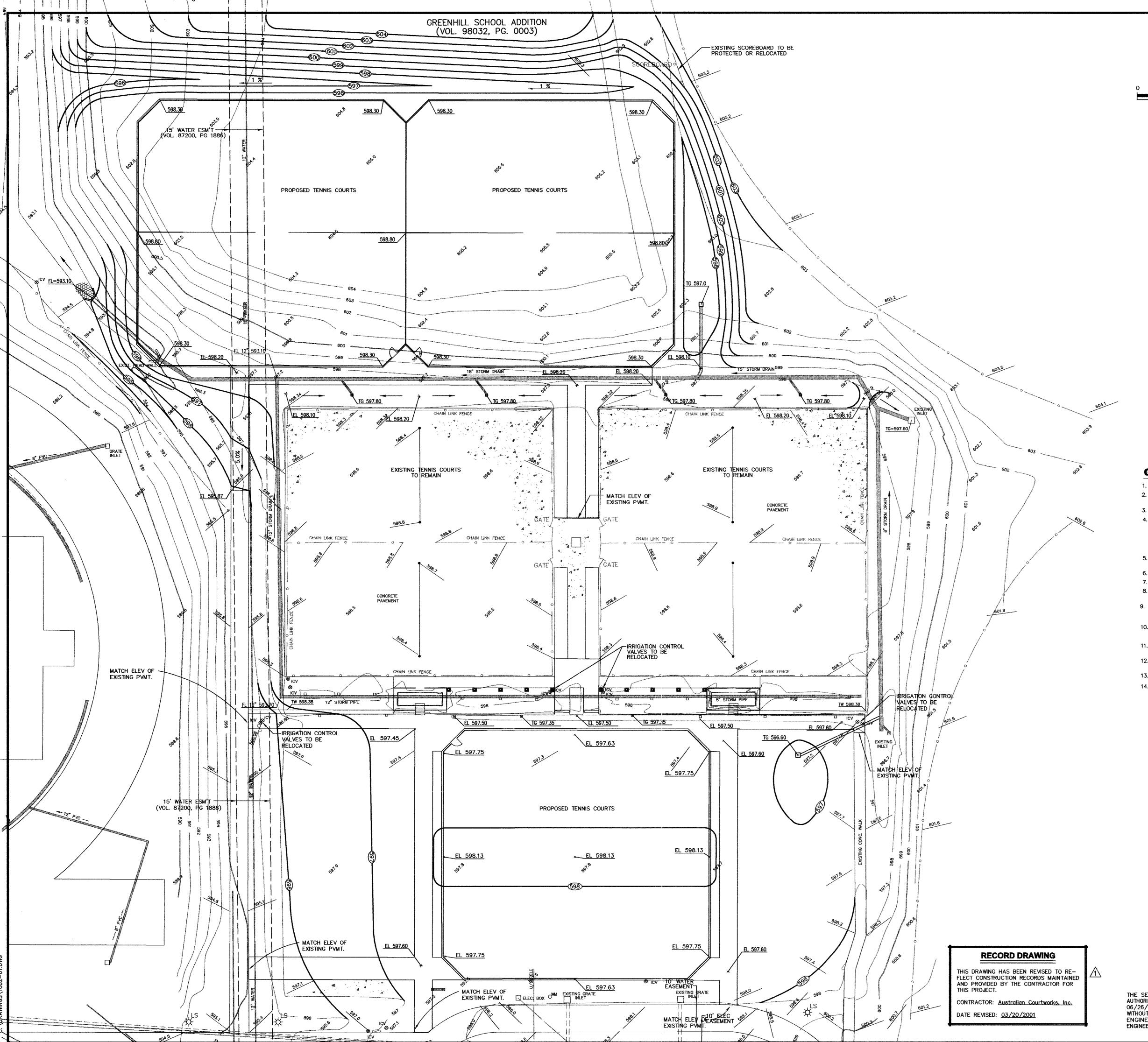
GREENHILL SCHOOL DEASON FAMILY TENNIS COMPLEX

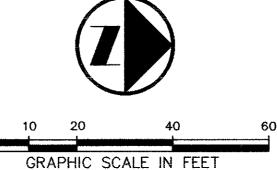
DALLAS COUNTY OF ADDISION, TEXAS DESIGN | DRAWN | DATE | SCALE | NOTES JUNE 26 C-1.0 1"-20' SAM RRL 2000



PK FILE: 1082-99.151 DWG FILE: 1082-61.DWG

C-2.0





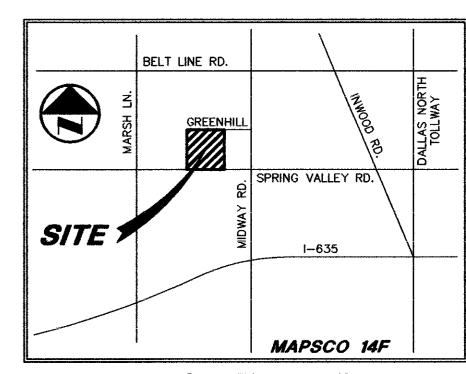
LEGEND

BOLLARD ELECTRIC METER POWER POLE LIGHT STANDARD WATER METER WATER VALVE IRRIGATION CONTROL VALVE FIRE HYDRANT CLEANOUT MANHOLE GAS METER TRAFFIC SIGNAL CONTROL

> TRAFFIC SIGNAL POLE TELEPHONE BOX

FLAG POLE ----- O.H. POWER LINES ---- TEL ---- U/G TELEPHONE LINES U/G WATER LINE U/G GAS LINE

TV BOX



VICINITY MAP

GRADING AND DRAINAGE GENERAL NOTES

- 1. REFER TO GEOTECHNICAL REPORT FOR REQUIREMENTS REGARDING FILL COMPACTION AND MOISTURE CONTENT.
- 2. UNLESS NOTED, ALL FILL IS TO BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY WITHIN 3% OF OPTIMUM MOISTURE CONTENT. FILL TO BE PLACED IN A MAXIMUM OF 6" LIFTS.
- 3. ALL WALKS TO HAVE A MAXIMUM CROSS SLOPE OF 2%.
- 4. UNLESS NOTED, STORM DRAIN LINES MAY BE OF THE FOLLOWING MATERIALS:
 - RCP C-76, CLASS III ADS N-12
- HANCOR HI-Q AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- 5. UNLESS NOTED, GRATE INLET TO BE "AMERICAN INDUSTRIAL PRE-CAST PRODUCTS, INC." PRECAST CATCH BASIN, SIZED AS SHOWN, OF APPROVED EQUAL.
- 6. FINAL PAVING, CURB AND SIDEWALK ELEVATIONS WILL BE PLACED AT PLUS OR MINUS 0.03 FOOT.
- 7. REFER TO LANDSCAPE SPECIFICATION FOR SEEDING AND SODDING REQUIREMENTS.
- 8. ANY CONCRETE, ROCK OR MATERIAL DEEMED UNSUITABLE FOR SUBGRADE, BY ENGINEER, SHALL BE DISPOSED OF OFFSITE AT CONTRACTOR'S EXPENSE.
- 9. TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 6.2.10. AND SHALL BE MECHANICALLY COMPACTED IN ACCORDANCE WITH NCTCOG ITEM 6.2.9 TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
- 10. EMBEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 6.2.9 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
- 11. ALL CONCRETE FOR INLETS AND DRAINAGE STRUCTURES SHALL CONFORM TO NCTCOG ITEM 7.4.5, CLASS "A" UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN STANDARD CITY SPECIFICATIONS.
- 12. CRUSHED STONE BEDDING OR APPROVED EQUAL SHALL BE PROVIDED BY THE CONTRACTOR WHEN ROCK IS ENCOUNTERED IN TRENCHES. THERE SHALL BE NO ADDITIONAL PAY ITEM OF THE CRUSHED STONE BEDDING.
- 13. IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTORS EXPENSE.
- 14. EXCESS DIRT FROM ON-SITE GRADING IS TO REMAIN ONSITE AND BE PLACED ALONG THE WESTERN PROPERTY LINE AS DESIGNATED BY THE PROJECT ARCHITECT.

1 REVISED 03/22/2001



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY STEVEN A. MARKUSSEN P.E. 70090 ON 06/26/00 ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

9401 LBJ FREEWAY SUITE 300 DALLAS, TEXAS 75243 972.235.3031 **GRADING PLAN**

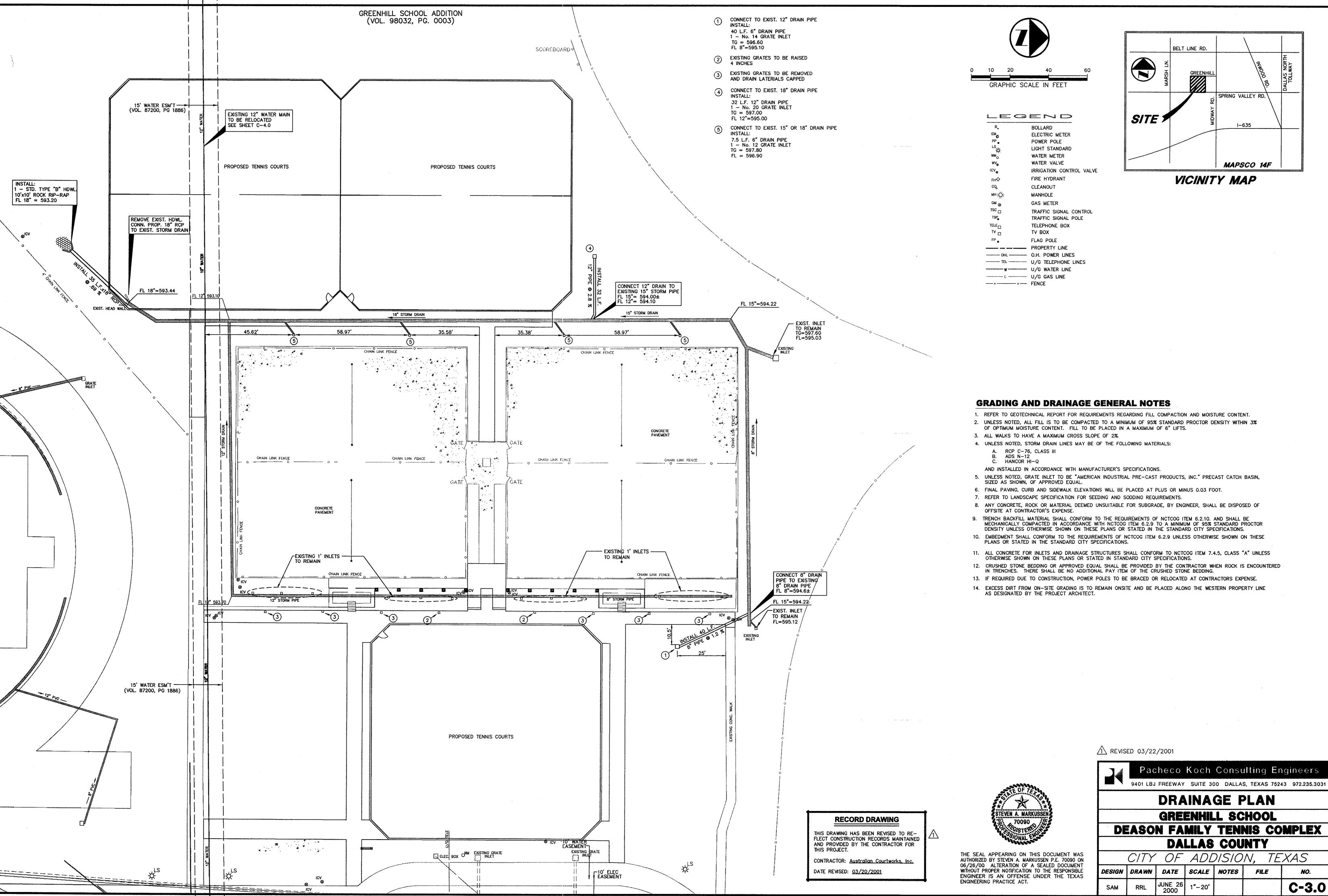
GREENHILL SCHOOL DEASON FAMILY TENNIS COMPLEX

Pacheco Koch Consulting Engineers

DALLAS COUNTY CITY OF ADDISION, TEXAS DESIGN DRAWN DATE SCALE NOTES JUNE 26 2000 C-2.0 1"-20' SAM RRL

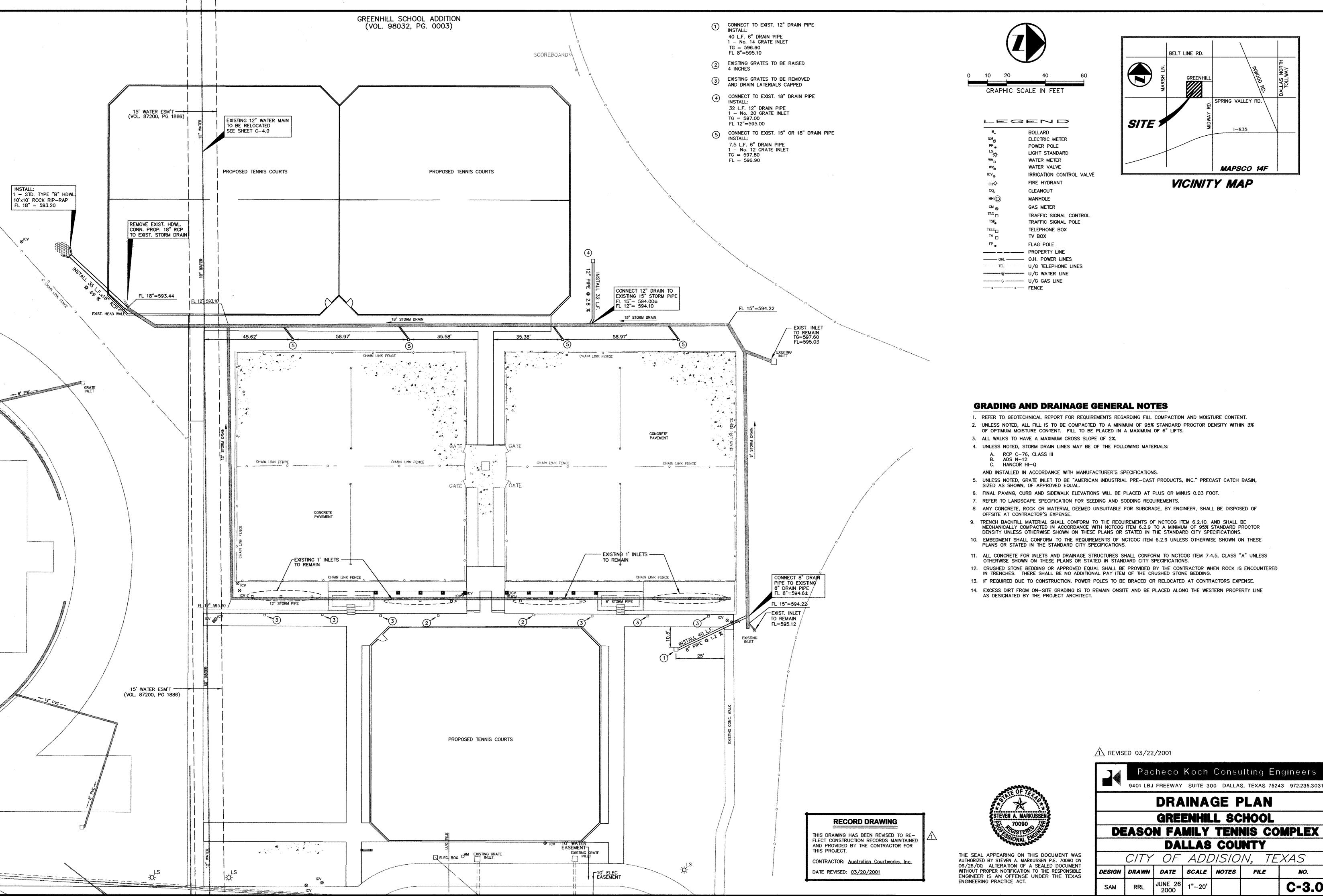
PK FILE: 1082-99.151

DWG FILE: 1082-61.DWG



DWG FILE: 1082-61.DWG

PK FILE: 1082-99.151



10' FLECTRICAL

DWG FILE: 1082-61.DWG

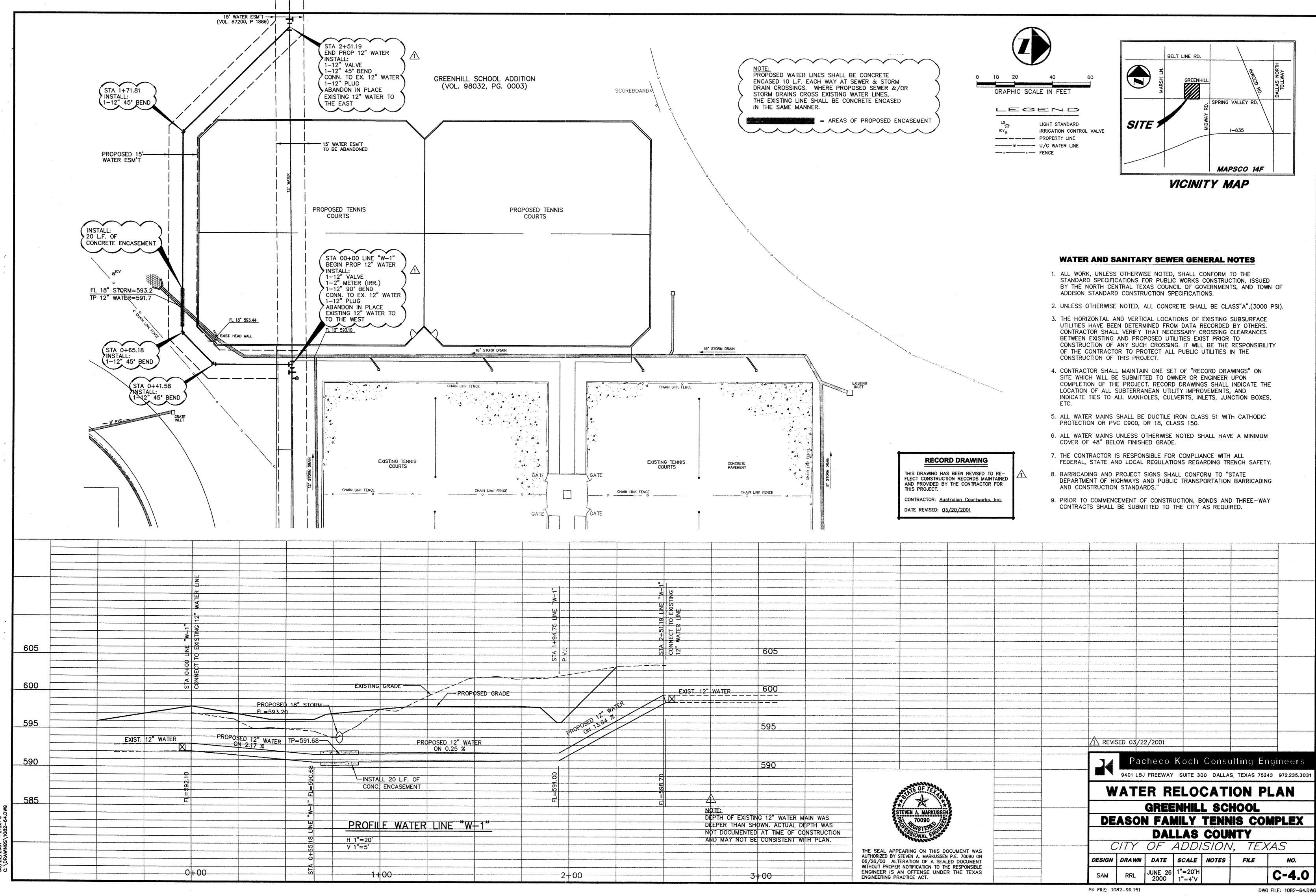
PK FILE: 1082-99.151

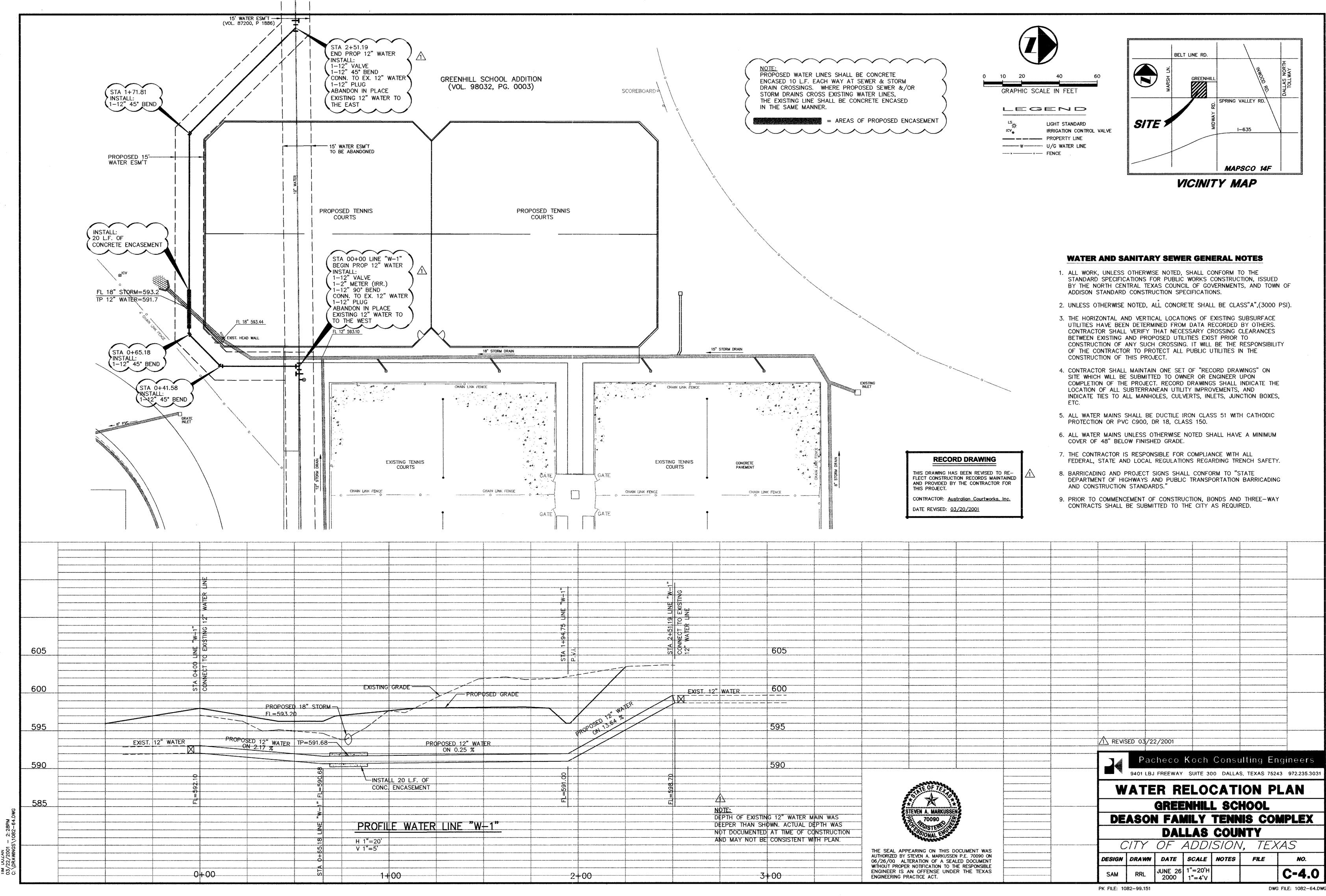
C-3.0

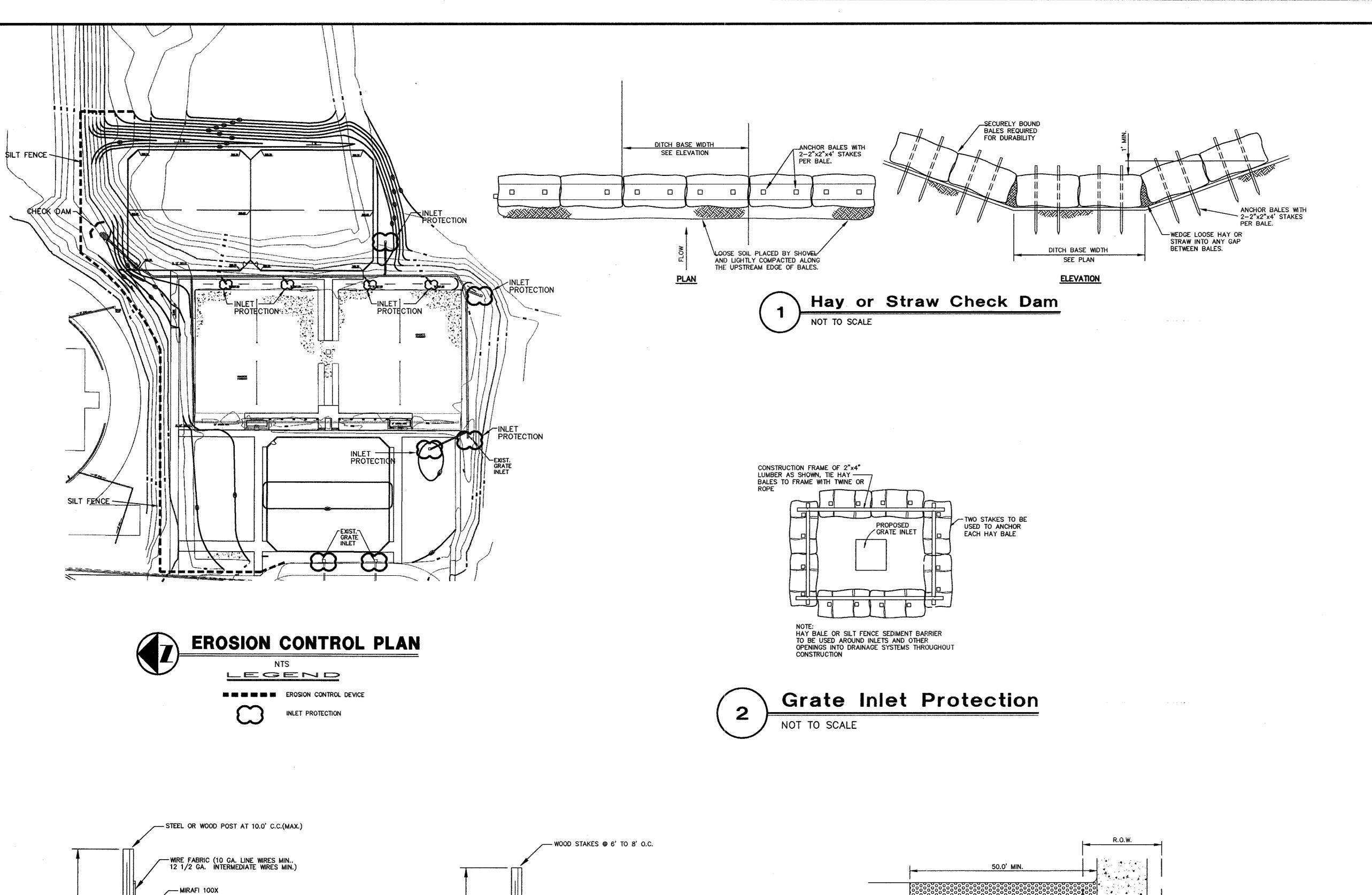
FILE

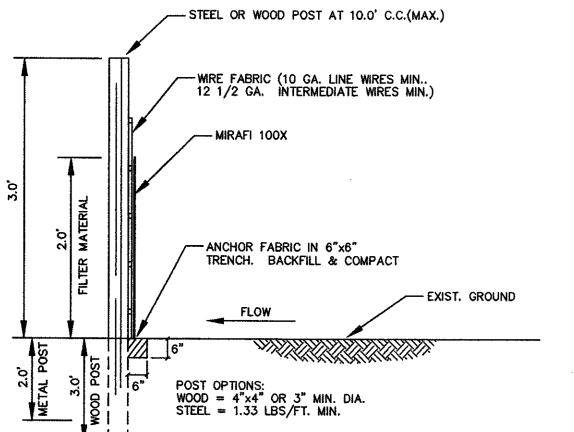
1-635

MAPSCO 14F

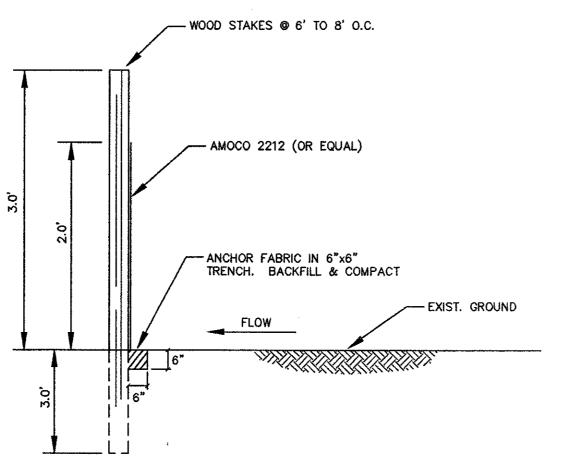




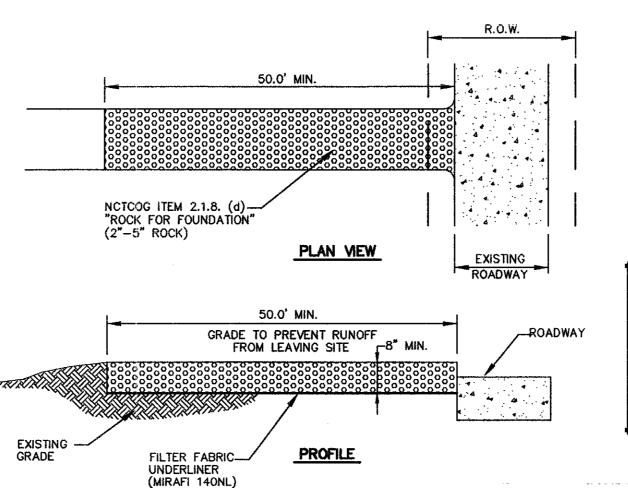




HIGH FLOW SILT FENCE DETAIL NOT TO SCALE



Low Flow Silt Fence Detail NOT TO SCALE



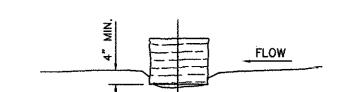
Construction Entrance NOT TO SCALE

RECORD DRAWING THIS DRAWING HAS BEEN REVISED TO REFLECT CONSTRUCTION RECORDS MAINTAINED AND PROVIDED BY THE CONTRACTOR FOR THIS PROJECT. CONTRACTOR: Australian Courtworks, Inc. DATE REVISED: 03/20/2001

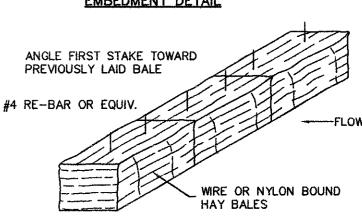
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY STEVEN A. MARKUSSEN P.E. 70090 ON 06/26/00 ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

POLLUTION CONTROL GENERAL NOTES

- 1. This plan has been prepared to provide means to prevent or minimize pollution of storm
- 2. The construction activity included in this plan will include:
 - A. Clearing and Grubbing Rough Grading
 - Final Grading D. Pavement Installation
- 3. The total estimated land area to be disturbed is approx. 2.0 acres.
- 4. The estimated runoff coefficient upon completion of the project is 0.8.
- 5. The storm water exiting the site is collected in an existing drainage system maintained by the City of Addison, Texas.
- 6. The soils on the site are generally expansive clays.
- 7. The contractor shall provide and maintain erosion protection around the work area perimeter and at all inlet mouths prior to commencing work and until the work area has been stabilized.
- 8. The contractor will remove all excess soil from construction vehicles prior to exiting the site.
- 9. All disturbed areas which will not be re-disturbed for a minimum of 21 days must be stabilized by the contractor to control erosion.
- 10. The contractor shall undertake proper methods to reduce dust generation from the site.
- 11. The contractor must comply with Federal, State and Local Regulations regarding sediment and erosion control.
- 12. A copy of this plan must be kept at the construction facility during the entire construction
- 13. All finished grades are to be hydromulched, spot sodded or seeded and watered until growth
- 14. A pit or wash out basin shall be constructed on-site by the contractor for the "wash out" of
- concrete trucks. 15. A berm or other spill protection measure shall be used for any temporary fuel storage tank
- 16. If "sump" pumps are used to remove water from excavated areas, filter the discharge to remove sediment and other pollutants before the water leaves the site.
- 17. Vehicle parking areas, staging areas, stockpiles, spoils, etc. shall be located such that they will not adversely affect storm water quality. Otherwise, covering or encircling the areas with protective measures shall be necessary.
- 18. Store all trash and building materials waste in an enclosure until proper disposal at off-site
- 19. Erosion control devices in southwest drainage channel is to remain in effect until construction is complete and a natural vegetation state has occured.
- 21. All disturbed areas are to have grass established prior to final acceptance by the owner.
- 22. A stabilized construction entrance shall be installed by the contractor at the ingress and egress



EMBEDMENT DETAIL



ANCHORING DETAIL

EROSION CONTROL DETAIL:

- 1. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN HAY BALE CHECK DAMS PER THE DETAIL, IN THE AREAS INDICATED ON THE GRADING PLAN AND ANY OTHER AREAS AS DIRECTED BY THE ENGINEER.
- 2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN HAY BALES AROUND ANY OPENINGS INTO THE STORM SEWER SYSTEM UNTIL THE PROJECT IS COMPLETED.



1 REVISED 03/22/2001

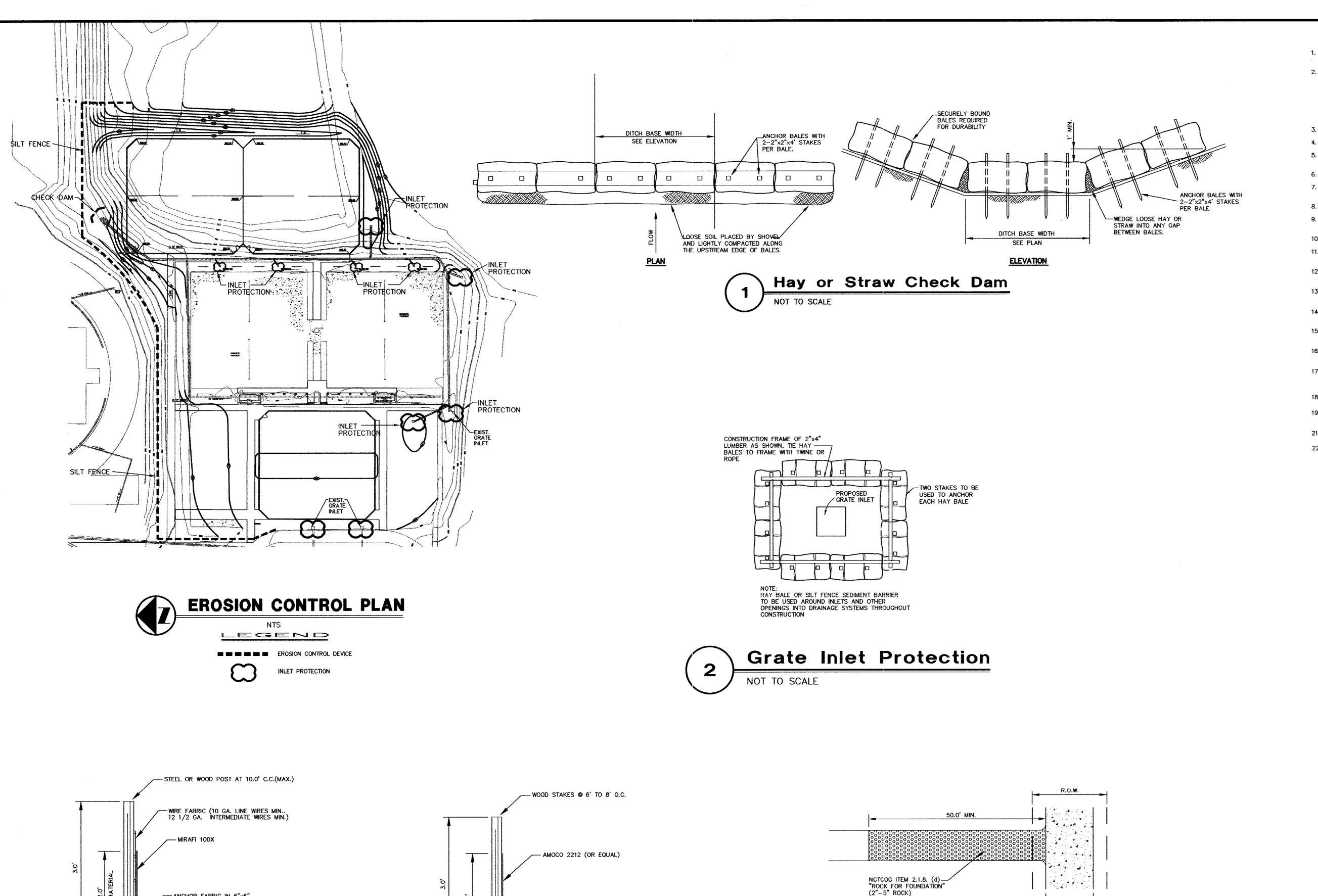


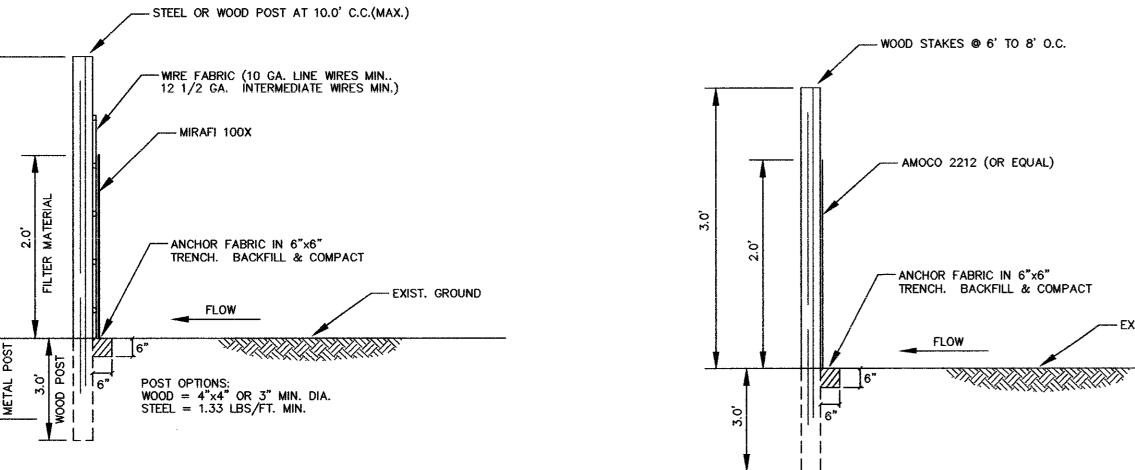
EROSION CONTROL PLAN GREENHILL SCHOOL TENNIS COMPLEX DALLAS COUNTY

OF ADDISION, TEXAS DESIGN DRAWN DATE | SCALE | NOTES | JUNE 26 2000 C-5.0 WMH

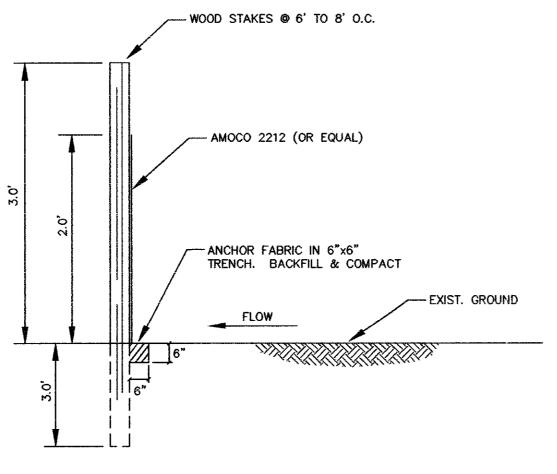
PK NO: 1082-99.151

1082-61 1082-62

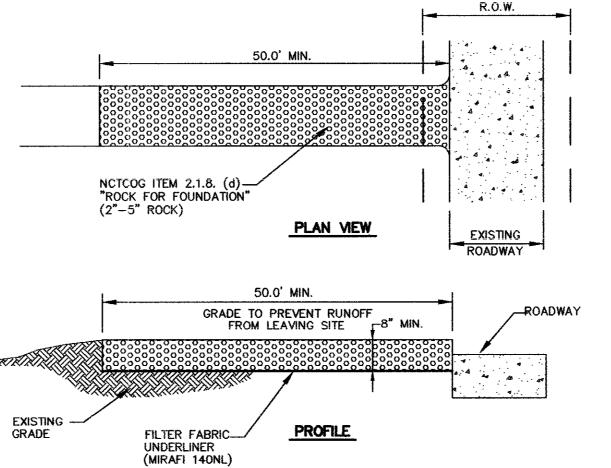




HIGH FLOW SILT FENCE DETAIL 3 NOT TO SCALE



Low Flow Silt Fence Detail NOT TO SCALE



Construction Entrance NOT TO SCALE

RECORD DRAWING

THIS DRAWING HAS BEEN REVISED TO RE-FLECT CONSTRUCTION RECORDS MAINTAINED AND PROVIDED BY THE CONTRACTOR FOR THIS PROJECT.

CONTRACTOR: Australian Courtworks, Inc. DATE REVISED: <u>03/20/2001</u>

TEVEN A. MARKUSSE

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY STEVEN A. MARKUSSEN P.E. 70090 ON 06/26/00 ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

POLLUTION CONTROL GENERAL NOTES

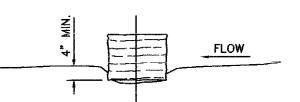
- 1. This plan has been prepared to provide means to prevent or minimize pollution of storm
- 2. The construction activity included in this plan will include:
 - A. Clearing and Grubbing Rough Grading Final Grading

D. Pavement Installation

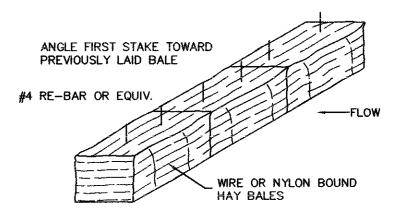
- 3. The total estimated land area to be disturbed is approx. 2.0 acres.
- 4. The estimated runoff coefficient upon completion of the project is 0.8.
- 5. The storm water exiting the site is collected in an existing drainage system maintained by the City of Addison, Texas.
- 6. The soils on the site are generally expansive clays.
- 7. The contractor shall provide and maintain erosion protection around the work area perimeter and at all inlet mouths prior to commencing work and until the work area has been stabilized.
- 8. The contractor will remove all excess soil from construction vehicles prior to exiting the site.
- 9. All disturbed areas which will not be re-disturbed for a minimum of 21 days must be stabilized by the contractor to control erosion.
- 10. The contractor shall undertake proper methods to reduce dust generation from the site.
- 11. The contractor must comply with Federal, State and Local Regulations regarding sediment and erosion control.
- 12. A copy of this plan must be kept at the construction facility during the entire construction
- 13. All finished grades are to be hydromulched, spot sodded or seeded and watered until growth
- is established on and off-site. 14. A pit or wash out basin shall be constructed on-site by the contractor for the "wash out" of
- concrete trucks. 15. A berm or other spill protection measure shall be used for any temporary fuel storage tank
- 16. If "sump" pumps are used to remove water from excavated areas, filter the discharge to

remove sediment and other pollutants before the water leaves the site.

- 17. Vehicle parking areas, staging areas, stockpiles, spoils, etc. shall be located such that they will not adversely affect storm water quality. Otherwise, covering or encircling the areas with protective measures shall be necessary.
- 18. Store all trash and building materials waste in an enclosure until proper disposal at off-site
- 19. Erosion control devices in southwest drainage channel is to remain in effect until construction is complete and a natural vegetation state has occured.
- 21. All disturbed areas are to have grass established prior to final acceptance by the owner.
- 22. A stabilized construction entrance shall be installed by the contractor at the ingress and egress point for the site.



EMBEDMENT DETAIL



ANCHORING DETAIL

EROSION CONTROL DETAIL:

- 1. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN HAY BALE CHECK DAMS PER THE DETAIL, IN THE AREAS INDICATED ON THE GRADING PLAN AND ANY OTHER AREAS AS DIRECTED BY THE ENGINEER.
- 2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN HAY BALES AROUND ANY OPENINGS INTO THE STORM SEWER SYSTEM UNTIL THE PROJECT IS COMPLETED.



REVISED 03/22/2001



EROSION CONTROL PLAN

GREENHILL SCHOOL TENNIS COMPLEX DALLAS COUNTY

CITY OF ADDISION, TEXAS							
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.	
SAM	WMH	JUNE 26	1"–50'			C-5.0	

CONSTRUCTION PLANS **FOR**

GREENHILL SCHOOL DEASON FAMILY TENNIS CENTER

FOR

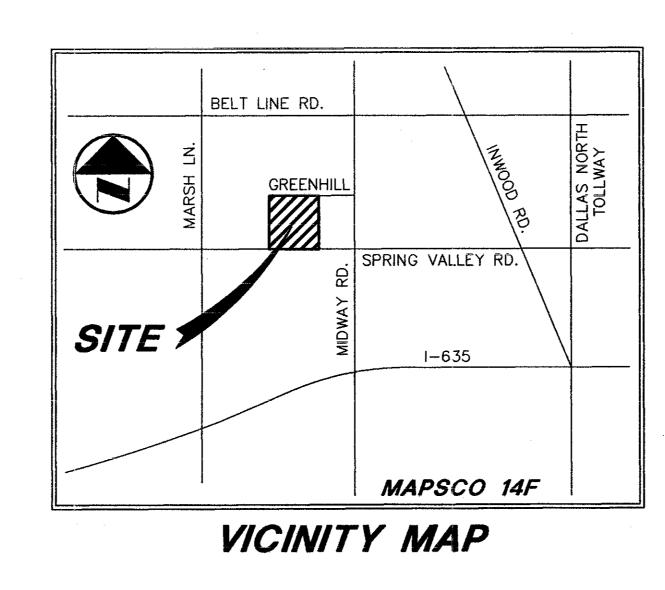
HIDELL ASSOCIATES 3033 Kellway Drive, Suite 120 Carrollton, Texas 75006 Ph. (972) 416-4666

OWNER/DEVELOPER

GREENHILL SCHOOL 14255 Midway Road Dallas, Texas 75224 Ph. (972) 661-1211

PREPARED BY





DRAWING SHEET INDEX

SHEET	DESCRIPTION				
C1.0	DIMENSIONAL CONTOL PLAN				
C2. 0	GRADING PLAN				
C3.0	DRAINAGE PLAN				
C4.0	WATER RELOCATION PLAN				
C5.0	EROSION CONTROL PLAN				

RECORD DRAWING

THIS DRAWING HAS BEEN REVISED TO RE— FLECT CONSTRUCTION RECORDS MAINTAINED AND PROVIDED BY THE CONTRACTOR FOR THIS PROJECT. CONTRACTOR: Australian Courtworks, Inc.

DATE REVISED: 03/20/2001



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY STEVEN A. MARKUSSEN P.E. 70090 ON 06/26/00 ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

1 REVISED 03/22/2001