

CONSTRUCTION PLANS FOR GREENHILL SCHOOL VALDES STEM + INNOVATION CENTER CIVIL CONSTRUCTION DOCUMENTS

1.79 ACRES

TOWN OF ADDISON, DALLAS COUNTY, TEXAS

FEBRUARY 2022

FOR
**Bohlin
Cywinski
Jackson**
BOHLIN CYWINSKI JACKSON
1100 LUDLOW STREET, SUITE 600,
PHILADELPHIA, PA 19107
215.790.5900

OWNER/DEVELOPER

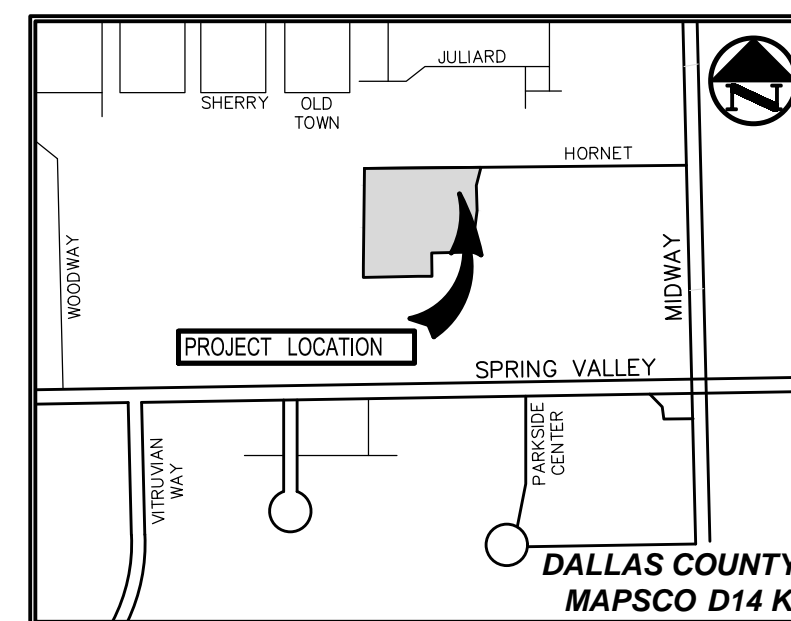


GREENHILL SCHOOL
4141 SPRING VALLEY ROAD, ADDISON, TX 75001
972.628.5400

PREPARED BY



7557 RAMBLER ROAD SUITE 1400 T: 972.235.3031
DALLAS, TX 75231 F: 972.235.9544
TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-10008000



VICINITY MAP
(NOT TO SCALE)

RECORD DRAWING

THE SIGNED AND SEALED CONSTRUCTION DOCUMENT HAS BEEN REVISED TO REFLECT CONSTRUCTION RECORDS MAINTAINED AND PROVIDED BY THE CONTRACTOR FOR THIS PROJECT. THE INFORMATION SHOWN ON THIS RECORD DRAWING, WHICH WAS PROVIDED BY THE CONTRACTOR, OR OTHERS NOT ASSOCIATED WITH THE DESIGN ENGINEER, CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. PACHECO KOCH SHALL ASSUME NO LIABILITY FOR ANY CHANGES MADE DURING CONSTRUCTION THAT WERE NOT SPECIFICALLY APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. THE SEALED CONSTRUCTION DRAWINGS ARE ON FILE AT THE OFFICES OF PACHECO KOCH.

ATTESTED BY:
SIGNATURE:

ENGINEER OF RECORD: GREG GERBIG, P.E. 118740
CONTRACTOR: SCOTT + REID GENERAL CONTRACTORS, INC.
DATE REVISED: 2024/02/20

- △ 04/15/2022 ASI 01
- △ 04/21/2022 ASI 02
- △ 05/17/2022 ASI 04
- △ 07/21/2022 ASI 07
- △ 10/19/2022 RFI 100
- △ 02/20/2024 RECORD DRAWINGS

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GENERAL NOTES

- 1. ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ISSUED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS AND THE TOWN OF ADDISON STANDARD CONSTRUCTION SPECIFICATIONS.
2. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL BE FAMILIAR WITH THE PLANS, ALL NOTES, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ISSUED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS, THE TOWN STANDARDS FOR CONSTRUCTION, AND ANY OTHER APPLICABLE STANDARDS 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 SPECIFICATIONS PERTAINING TO THIS WORK SHALL IN NO WAY RELIEVE THE CONTRACTOR OF RESPONSIBILITY OF PERFORMING THE WORK IN ACCORDANCE WITH ALL SUCH APPLICABLE STANDARDS AND SPECIFICATIONS.
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 CROSSINGS. IT WILL 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, AND FIRE HYDRANTS, ETC. CONTRACTOR TO ADJUST TO PROPER LINE AND GRADE PRIOR TO AND AFTER THE PLACING OF PERMANENT PAVING AND GRADING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING THE CONSTRUCTION OF THE PAVING FOR THIS DEVELOPMENT.
5. 5.1. PROTECT AND MAINTAIN ROADWAY TRAFFIC THROUGHOUT THE PROJECT, PROVIDING A MINIMUM OF ONE (1) LANE OPEN IN EACH DIRECTION;
5.2. PROVIDE AND MAINTAIN INTERIM ACCESS FROM ROADWAYS CURRENTLY IN USE TO ALL DRIVEWAYS AND INTERSECTING STREETS OR ALLEYS;
5.3. MAINTAIN NORMAL PROJECT DRAINAGE UNTIL NEW DRAINAGE FACILITIES ARE FUNCTIONAL, INCLUDING, WHERE NECESSARY, INTERIM REPLACEMENT OF EXISTING DRAINAGE STRUCTURES REMOVED FOR CONSTRUCTION OF NEW DRAINAGE FACILITIES;
5.4. MAINTAIN ALL WORK AND MATERIAL STORAGE AREAS IN NON-PAVED CONDITION, FREE OF DEBRIS AND WASTE. ON COMPLETION OF CONSTRUCTION, CLEAN UP THE PROJECT AND ADJACENT AFFECTED AREAS TO ACCEPTABLE CONDITION, ALL AS PROVIDED IN THE GENERAL CONDITIONS.
6. PRIOR TO COMMENCEMENT OF CONSTRUCTION, BONDS AND THREE-WAY CONTRACTS SHALL BE SUBMITTED TO THE TOWN AS REQUIRED.
7. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING TRENCH SAFETY.
8. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS.
9. REFER TO ARCHITECTURAL PLANS FOR DETAILED BUILDING ENTRANCE LAYOUTS, RAMPS, LANDSCAPE, AND SIDEWALKS.
10. BARRICADING AND PROJECT SIGNS SHALL CONFORM TO TEXAS DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND LATEST UPDATES.
11. EXACT SAWCUT PAVEMENT REMOVAL AND REPLACEMENT LIMITS WITHIN THE PUBLIC RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH THE TOWN PAVEMENT REPAIR MANUAL AND INCLUDED IN THE BASE BID.

DEMOLITION GENERAL NOTES

- 1. CONTRACTOR IS TO REVIEW ALL GENERAL NOTES PRIOR TO BEGINNING WORK.
2. REMOVE ALL EXISTING PAVEMENT AND STRUCTURES WITHIN THE LIMITS OF DEMOLITION UNLESS OTHERWISE NOTED.
3. SAWCUT AND REMOVE ALL EXISTING DRIVE APPROACHES (WITHIN THE LIMITS OF DEMOLITION) TWO FEET FROM BACK OF CURB, SIDEWALKS, PAVEMENT, AND UTILITIES WITHIN THE PUBLIC RIGHT-OF-WAY ARE TO REMAIN UNLESS OTHERWISE NOTED.
4. CONSULT THE DIMENSIONAL CONTROL PLAN. VERIFY THE PORTION OF EXISTING CONCRETE CURBS AND PAVEMENT WHICH ARE TO REMAIN.
5. COORDINATE WITH LOCAL POWER, TELEPHONE, CABLE, AND GAS COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES.
6. ALL UTILITIES SHOULD BE CUT AND PLUGGED IN ACCORDANCE WITH THEIR RESPECTIVE UTILITY COMPANY REQUIREMENTS AND PRIOR TO DEMOLITION OF THE EXISTING BUILDINGS.
7. CONTRACTOR TO PLUG ALL EXISTING EXPOSED ENDS OF ABANDONED UTILITIES.
8. CONTRACTOR TO DETERMINE SOURCE OF ALL EXPOSED UTILITIES AND, IF REQUIRED, RECONNECT TO PROPOSED UTILITIES.
9. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND LEGAL DISPOSAL OF ALL THE UNSUITABLE MATERIALS FROM THE PROJECT SITE. CONTRACTOR SHALL CONTACT ALL LOCAL AUTHORITIES TO DETERMINE DISPOSAL REQUIREMENTS.
10. ALL TREES ON THE PROPERTY SHALL BE PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS UNLESS OTHERWISE NOTED. THE TREE PROTECTION SHALL BE PLACED AROUND TREES PRIOR TO ANY DEMOLITION OR GRADING. TREE PROTECTION SHALL REMAIN UNTIL ALL WORK IS COMPLETED. REFER TO LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION DETAILS.
11. ANY DAMAGE DONE TO EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY AN APPROVED TREE SURGEON AT THE OWNER'S DIRECTION. ROOTS EXPOSED AND/OR DAMAGED DURING DEMOLITION AND/OR GRADING OPERATIONS SHALL BE CUT OFF CLEANLY INSIDE THE EXPOSED OR DAMAGED AREA, CUT SURFACES PAINTED WITH AN APPROVED TREE PAINT, AND TOPSOIL AND MULCH PLACED OVER THE EXPOSED ROOT AREA IMMEDIATELY.
12. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING EROSION CONTROL MEASURES ON THE SITE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS UNTIL THE SITE HAS BEEN STABILIZED.
13. CONTRACTOR IS RESPONSIBLE FOR GRADING ALL DISTURBED AREAS TO ALLOW FOR POSITIVE DRAINAGE. GRADING SLOPES ARE NOT TO EXCEED 3:1.
14. AREAS EXCAVATED FOR FOUNDATION OR UNDERGROUND STRUCTURE REMOVAL SHALL BE BACK-FILLED AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY.
15. CONTRACTOR IS RESPONSIBLE FOR SECURITY OF THE SITE DURING DEMOLITION ACTIVITIES AND UNTIL SUBSTANTIAL COMPLETION.
16. ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ISSUED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS AND TOWN STANDARD CONSTRUCTION SPECIFICATIONS.
17. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITY MAINS, MANHOLES, CLEANOUTS, VALVE BOXES, AND FIRE HYDRANTS, ETC. IN THE AREA OF DEMOLITION.
18. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING TRENCH SAFETY.
19. BARRICADING AND PROJECT SIGNS SHALL CONFORM TO TEXAS DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND LATEST UPDATES.
20. CONTRACTOR SHALL MAINTAIN EXISTING PAVEMENT AND ACCESS TO FIRE HYDRANTS ON SITE UNTIL THE BUILDINGS AND STRUCTURES IN THAT AREA HAVE BEEN DEMOLISHED AND REMOVED.
21. CONTRACTOR WILL PROVIDE ON-SITE PARKING FOR WORKERS. VEHICLE PARKING WILL NOT BE ALLOWED WITHIN THE PUBLIC RIGHT-OF-WAY.
22. CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING ADEQUATE DUST CONTROL MEASURES DURING DEMOLITION ACTIVITIES.
23. CONTRACTOR IS TO COORDINATE DEMOLITION ACTIVITIES WITH THE HAZARDOUS MATERIAL ABATEMENT CONTRACTORS' ACTIVITIES, IF APPLICABLE.
24. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL TEMPORARY UTILITY SERVICES REQUIRED TO COMPLETE THE SCOPE OF WORK.

GRADING & 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 MAXIMUM LIFTS OF 6 INCHES.
3. SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A RUNNING SLOPE NO GREATER THAN 5% (UNLESS OTHERWISE NOTED) AND A CROSS SLOPE NO GREATER THAN 2%.
4. GRADING OF ALL HANDICAPPED SPACES AND ROUTES TO CONFORM TO FEDERAL, STATE, AND LOCAL GUIDELINES.
5. ALL PROPOSED AND EXISTING GRADES IN NON-PAVED AREAS ARE "FINISHED GRADE" (I.E. IN LANDSCAPE BEDS, TOP OF MULCH/BEDDING MATERIAL).
6. UNLESS NOTED, STORM DRAIN LINES SHALL BE OF THE FOLLOWING MATERIALS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS:
6.A. RCP C-76, CLASS III
6.B. ADS N-12
6.C. HANCOB HI-0
6.D. CONTECH ALUMINIZED ULTRA FLOW
7. UNLESS NOTED, GRATE INLETS TO BE "FORTERRA PIPE AND PRECAST" CATCH BASIN SIZED AS SHOWN, OR APPROVED EQUAL.
8. FINAL PAVING, CURB, AND SIDEWALK ELEVATIONS WILL BE PLACED AT PLUS OR MINUS 0.03 FOOT.
9. REFER TO LANDSCAPE SPECIFICATIONS FOR SEEDING AND SODDING REQUIREMENTS.
10. ANY CONCRETE, ROCK, OR MATERIAL DEEMED BY THE ENGINEER TO BE UNSUITABLE FOR SUBGRADE SHALL BE DISPOSED OF OFFSITE AT CONTRACTOR'S EXPENSE.
11. TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 504.2 AND SHALL BE MECHANICALLY COMPACTED IN 6-INCH LIFTS TO THE TOP OF SUBGRADE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY IN ACCORDANCE WITH NCTCOG ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD TOWN SPECIFICATIONS.
12. EMBEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD TOWN SPECIFICATIONS.
13. A ROUND MANHOLE COVER MEETING TOWN SPECIFICATIONS SHALL BE PLACED IN ALL INLET TOPS NEAR THE OUTLET PIPE.
14. ALL CONCRETE FOR INLETS AND DRAINAGE STRUCTURES SHALL CONFORM TO NCTCOG ITEM 702.2.4, CLASS "A" (3000 PSI) UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN STANDARD TOWN SPECIFICATIONS.
15. 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 FOR CRUSHED STONE BEDDING.
16. IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTOR'S EXPENSE.

PAVING GENERAL NOTES

- 1. ALL DIMENSIONS ARE FROM BACK OF CURB UNLESS OTHERWISE NOTED.
2. ALL CONCRETE SHALL CONFORM TO NCTCOG ITEM 303.3.4, CLASS "A" (3000 PSI) UNLESS OTHERWISE SHOWN ON THESE PLANS, STATED IN STANDARD TOWN SPECIFICATIONS OR STATED IN TxDOT STANDARD SPECIFICATIONS.
3. SUBGRADE PREPARATION IN RIGHT OF WAY SHALL CONFORM TO STANDARD TOWN SPECIFICATIONS OR TxDOT STANDARD SPECIFICATIONS.
4. ALL FILL PLACED UNDER PAVING SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY IN 6 INCH LIFTS, UNLESS OTHERWISE NOTED, OR STATED IN GEOTECH REPORT. REFER TO STRUCTURAL SPECIFICATIONS FOR FILL PLACED BENEATH BUILDING AREAS. ALL OTHER FILL AREAS TO BE COMPACTED TO 90% STANDARD PROCTOR.
5. THE CONTRACTOR SHALL SUBMIT A JOINT SPACING PLAN TO THE ENGINEER FOR APPROVAL. EXPANSION JOINT SPACING SHALL BE 90' MAXIMUM EACH WAY WITH NO KEYWAYS AND SAWED DUMMY JOINTS SHALL BE 15' EACH WAY, UNLESS OTHERWISE NOTED.
6. TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED AT THE END OF EACH DAYS PAVING AND WHERE INTERRUPTIONS SUSPEND OPERATIONS FOR 30 MINUTES OR MORE.
7. ALL PAVING TO BE REMOVED SHALL BE SAWCUT TO A NEAT LINE, MINIMUM 1-1/2" DEEP, AND THE PAVEMENT REMOVED IN SUCH A MANNER AS TO PRESERVE THE EXISTING TRANSVERSE REINFORCING STEEL TO THE MAXIMUM EXTENT POSSIBLE. ALL CURB AND GUTTER SHALL BE INTEGRAL WITH THE PAVEMENT AND HAVE THE SAME COMPRESSIVE STRENGTH.
8. PAVEMENT REINFORCEMENT SHALL BE #3 BARS, SPACED AT 18 INCHES CENTER TO CENTER EACH WAY EXCEPT WHERE OTHERWISE NOTED IN THE PLANS OR GEOTECH REPORT. BAR LAPS SHALL BE 30 DIAMETERS IN LENGTH.
9. ALL STRIPES SHALL BE 4 INCHES WIDE, UNLESS OTHERWISE NOTED.
10. INSTALLATION AND PLACEMENT OF IRRIGATION SLEEVES AND UTILITY CONDUITS SHALL BE IN ACCORDANCE WITH LANDSCAPE ARCHITECT AND MEP PLANS. CONTRACTOR TO VERIFY ALL SLEEVES HAVE BEEN PLACED PRIOR TO PAVING BEING PLACED.
11. SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A RUNNING SLOPE NO GREATER THAN 5% (UNLESS OTHERWISE NOTED) AND A CROSS SLOPE NO GREATER THAN 2%.

WATER & SANITARY SEWER GENERAL NOTES

- 1. ALL CONCRETE SHALL BE CLASS "A" (3000 PSI), UNLESS OTHERWISE NOTED.
2. ALL WATER MAINS SHALL BE PVC C900, DR 18, CLASS 235. FIRE PROTECTION SERVICES SHALL BE PVC C900, DR 14, CLASS 305 AND INSTALLED IN ACCORDANCE WITH THE DESIGN AND SPECIFICATIONS OF THE FIRE PROTECTION PLANS TO BE PREPARED BY A LICENSED FIRE PROTECTION CONTRACTOR.
3. WATER AND SANITARY SEWER SERVICES SHALL MEET PLUMBING CODE REQUIREMENTS.
4. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 48 INCHES BELOW IMPROVED FINISHED GRADE, UNLESS OTHERWISE NOTED.
5. SANITARY SEWER PIPE SHALL BE PVC SDR-35.
6. WHEN WATER AND SANITARY SEWER MAINS, SERVICES, AND LATERALS ARE INSTALLED, THEY SHALL BE INSTALLED NO CLOSER TO EACH OTHER THAN NINE FEET IN ALL DIRECTIONS AND PARALLEL LINES MUST BE INSTALLED IN SEPARATE TRENCHES. WHERE THE NINE FOOT SEPARATION DISTANCE CANNOT BE ACHIEVED, THE FOLLOWING TCEQ CHAPTERS SHALL APPLY:
6.A. TCEQ CHAPTER 217.53 PIPE DESIGN, SECTION (d) SEPARATION DISTANCES.
6.B. TCEQ CHAPTER 290.44 WATER DISTRIBUTION, SECTION (e) LOCATION OF WATERLINES.
7. CONTRACTOR TO VERIFY ALL EXISTING SEWER FLOW LINES BEFORE BEGINNING CONSTRUCTION.
8. CONTRACTOR SHALL TIE A ONE INCH WIDE PIECE OF RED PLASTIC FLAGGING TO THE END OF SEWER SERVICE AND SHALL LEAVE A MINIMUM OF 36 INCHES OF FLAGGING EXPOSED AFTER BACKFILL. AFTER CURB AND PAVING IS COMPLETED, CONTRACTOR SHALL MARK THE LOCATION OF THE SEWER SERVICE ON THE CURB OR ALLEY IN ACCORDANCE WITH THE STANDARD TOWN SPECIFICATIONS.
9. ALL SANITARY SEWER LINES SHALL BE TESTED IN ACCORDANCE WITH THE STANDARD TOWN SPECIFICATIONS.
10. THE UTILITY CONTRACTOR SHALL INSTALL THE WATER SERVICES TO A POINT TWO FEET BACK OF THE CURB LINE AT A DEPTH OF 12 INCHES. THE METER BOX SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AFTER THE PAVING CONTRACTOR HAS COMPLETED THE FINE GRADING BEHIND THE BACK OF THE CURB. EACH SERVICE LOCATION SHALL BE MARKED ON THE CURB WITH A BLUE LETTER "W" BY THE UTILITY CONTRACTOR AND TIED TO PROPERTY CORNERS ON THE "RECORD DRAWINGS."
11. ALL METER BOXES SHALL BE LOCATED IN NON-TRAFFIC AREAS.
12. TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 504.2 AND SHALL BE MECHANICALLY COMPACTED IN 6-INCH LIFTS TO THE TOP OF SUBGRADE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY IN ACCORDANCE WITH NCTCOG ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD TOWN SPECIFICATIONS.
13. EMBEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD TOWN SPECIFICATIONS.
14. VALVE BOXES SHALL BE FURNISHED AND SET ON EACH GATE VALVE. AFTER THE FINAL CLEAN-UP AND ALIGNMENT HAS BEEN COMPLETED, THE UTILITY CONTRACTOR SHALL POUR A 24"x24"x6" CONCRETE BLOCK AROUND ALL VALVE BOX TOPS LEVEL WITH THE FINISHED GRADE.
15. CONTRACTOR SHALL RECONNECT ALL EXISTING SERVICES AND MAINTAIN EXISTING SERVICES THROUGHOUT CONSTRUCTION.
16. IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTOR'S EXPENSE.

POLLUTION CONTROL GENERAL NOTES

- 1. THIS PLAN HAS BEEN PREPARED TO PROVIDE MEANS TO PREVENT OR MINIMIZE POLLUTION OF STORM WATER.
2. THE CONSTRUCTION ACTIVITY INCLUDED IN THIS PLAN WILL INCLUDE:
2.A. CLEARING AND GRUBBING
2.B. ROUGH GRADING
2.C. FINAL GRADING
2.D. UTILITY INSTALLATION
2.E. PAVEMENT INSTALLATION
2.F. BUILDING CONSTRUCTION
3. THE TOTAL ESTIMATED LAND AREA TO BE DISTURBED IS 1.79 ACRES.
4. THE ESTIMATED RUNOFF COEFFICIENT UPON COMPLETION OF THE PROJECT IS 0.9.
5. THE STORM WATER EXITING THE SITE IS COLLECTED IN AN EXISTING DRAINAGE SYSTEM MAINTAINED BY THE TOWN 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 MUST BEGON BEING STABILIZED IMMEDIATELY BY THE CONTRACTOR TO CONTROL EROSION. THE CONTRACTOR HAS 14 DAYS TO HAVE ALL STABILIZATION AND EROSION CONTROL DEVICES IN PLACE.
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, AS PART OF THE SWPPP, MUST BE KEPT AT THE CONSTRUCTION FACILITY DURING THE ENTIRE CONSTRUCTION PERIOD.
13. CONSTRUCTION SEQUENCING MUST PROVIDE FOR THE EXCAVATION OF AN ON-SITE BASIN AS A SEDIMENT COLLECTION BASIN PRIOR TO THE DISTURBANCE OF GREATER THAN 10 ACRES OF LAND.
14. ALL FINISHED GRADES ARE TO BE HYDROMULCHED, SPOT SODDED OR SEEDED AND WATERED UNTIL GROWTH IS ESTABLISHED ON AND OFF-SITE.
15. A PIT OR WASH OUT BASIN SHALL BE CONSTRUCTED ON-SITE BY THE CONTRACTOR FOR THE "WASH OUT" OF CONCRETE TRUCKS.
16. A BERM OR OTHER SPILL PROTECTION MEASURE SHALL BE USED FOR ANY TEMPORARY FUEL STORAGE TANK ON-SITE.
17. IF "SLUMP" PUMPS ARE USED TO REMOVE WATER FROM EXCAVATED AREAS, FILTER THE DISCHARGE TO REMOVE SEDIMENT AND OTHER POLLUTANTS BEFORE THE WATER LEAVES THE SITE.
18. TO PREVENT DAMAGE TO VEGETATION IN DOWNSTREAM WATER COURSES, LIMIT ANY PROPOSED LIME STABILIZATION OPERATIONS TO THAT WHICH CAN BE MIXED AND COMPACTED BY THE END OF EACH WORK DAY. GEOTEXTILE FABRIC IS NOT EFFECTIVE IN FILTERING LIME SINCE THE GRAIN SIZE IS SMALLER THAN THE OPENING IN THE FABRIC.
19. 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.
20. STORE ALL TRASH AND BUILDING MATERIALS WASTE IN AN ENCLOSURE UNTIL IT CAN BE PROPERLY DISPOSED OF AT THE APPROPRIATE OFF-SITE FACILITIES.
21. TRACKING OF SEDIMENT OFF-SITE BY TRUCK TRAFFIC SHALL BE HANDLED THROUGH REGULAR CLEANING.
22. INSPECTIONS SHALL BE CONDUCTED BY THE PERMITEE ONCE EVERY TWO WEEKS AND WITHIN 24 HOURS AFTER STORM EVENT OF 0.5 INCHES OR MORE OR ONCE PER WEEK ON A SPECIFIC PRE-DEFINED DAY. THE INSPECTIONS WILL INCLUDE:
22.A. DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN STABILIZED.
22.B. AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
22.C. STRUCTURAL CONTROL MEASURES.
22.D. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.
22.E. IDENTIFICATIONS OF MEASURES THAT NEED TO BE MAINTAINED, MODIFIED, OR ADDED TO CORRECT PROBLEMS.
23. CONTRACTOR SHALL MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE TO PRECIPITATION AND TO STORMWATER.
24. PERMANENTLY STABILIZE EXPOSED SOIL, WITHIN AND ADJACENT TO THE SITE, THAT IS DISTURBED BY VEHICLES, GRADING AND OTHER CONSTRUCTION ACTIVITIES.
25. CONTAIN ALL RUNOFF FROM MATERIAL USED IN SUBGRADE STABILIZATION.
26. MATERIAL STOCKPILES SHALL BE COVERED BY PLASTIC OR SURROUNDED BY EROSION CONTROL STRUCTURES TO CONTROL SEDIMENT RELEASES.
27. CONTRACTOR SHALL PROTECT SLOPES IN EXCESS OF 15% IN ORDER TO MINIMIZE EROSION OF SOILS AND THE DISTURBANCE OF SLOPES.
28. VEGETATION TO BE PRESERVED WHERE EVER POSSIBLE TO HELP REDUCE EROSION. WHERE VEGETATION MUST BE REMOVED, PRESERVE NATIVE TOPSOIL IN ALL AREAS POSSIBLE.
29. MINIMIZE SOIL COMPACTION IN AREAS INTENDED FOR POST CONSTRUCTION PERVIOUS SURFACE.

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DATE: 2/20/2024

GREENHILL SCHOOL - VALDES STEM + INNOVATION CENTER

1. GENERAL NOTES FOR ALL CONSTRUCTION ACTIVITIES

- 1.1. ALL CONSTRUCTION, TESTING, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN'S CURRENT STANDARDS, DETAILS, AND SPECIFICATIONS. IF NOT EXPLICITLY SPECIFIED IN TOWN DOCUMENTS, NCTCOG OR THE APPROPRIATE GOVERNING BODY'S, STANDARDS AND DETAILS SHALL REGULATE CONSTRUCTION, TESTING, AND MATERIALS.
1.2. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTACT PUBLIC WORKS & ENGINEERING SERVICES DEPARTMENT FOR A PERMIT TO WORK WITHIN TOWN ROW.
1.3. ALL SHOP DRAWINGS, WORKING DRAWINGS OR OTHER DOCUMENTS WHICH REQUIRE REVIEW BY THE TOWN, SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF SCHEDULED CONSTRUCTION TO ALLOW NO LESS THAN 21 CALENDAR DAYS FOR REVIEW AND RESPONSE BY THE TOWN.
1.4. CONTRACTOR SHALL NOTIFY THE TOWN AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
1.5. CONTRACTORS ARE ALLOWED TO MAKE CONNECTIONS TO THE TOWN WATER SYSTEM BY OPENING AN ACCOUNT THROUGH THE ADDISON FINANCE DEPARTMENT AND RENTING A FIRE HYDRANT METER. THE COMPANY OR INDIVIDUAL IS SOLELY RESPONSIBLE FOR THE COST, MAINTENANCE, PROPER USE, AND SECURITY OF THE RENTAL EQUIPMENT. THE COMPANY OR INDIVIDUAL IS ALSO RESPONSIBLE FOR THE COST OF THE WATER USED.
1.6. CONTRACTOR MUST KEEP AVAILABLE ONSITE, AT ALL TIMES, APPROVED CONSTRUCTION PLANS AND COPIES OF ANY/ALL REQUIRED PERMITS ALONG WITH THE APPROPRIATE VERSIONS OF THE FOLLOWING APPLICABLE REFERENCES:
1.6.1. TOWN OF ADDISON ENGINEERING STANDARDS & DETAILS
1.6.2. NCTCOG STANDARDS & SPECIFICATIONS
1.6.3. TCEQ STANDARDS & SPECIFICATIONS
1.6.4. TXDOT SPECIFICATIONS & STANDARD DRAWINGS, AS APPLICABLE.
1.7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CONSTRUCTION SURVEYING AND STAKING AND SHALL NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH ANY WORK.
1.8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL SURVEY MARKERS INCLUDING IRON RODS, PROPERTY CORNERS, OR SURVEY MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION AND OUTSIDE ROW DURING CONSTRUCTION. ANY SURVEY MARKERS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE TOWN.
1.9. TESTING AND INSPECTION OF MATERIALS SHALL BE PERFORMED BY A COMMERCIAL TESTING LABORATORY SPECIFIED BY OR APPROVED BY THE TOWN. CONTRACTOR SHALL FURNISH MATERIALS OR SPECIMENS FOR TESTING AND SHALL FURNISH SUITABLE EVIDENCE THAT THE MATERIALS PROPOSED TO BE INCORPORATED INTO THE WORK ARE IN ACCORDANCE WITH THE SPECIFICATIONS. COPIES OF TESTING REPORTS SHALL BE FURNISHED TO THE TOWN IMMEDIATELY UPON RECEIPT BY THE CONTRACTOR.
1.10. FOR PUBLIC PROJECTS, CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE AND WEEKLY PROGRESS REPORTS.
1.11. CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS AND DRIVEWAYS ADJACENT TO THE PROJECT FREE OF DIRT, MUD, AND DEBRIS AT ALL TIMES. CONTRACTOR SHALL CLEAN UP AND REMOVE ALL LOOSE MATERIAL RESULTING FROM CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST.
1.12. THE EXISTENCE AND LOCATIONS OF THE PUBLIC AND FRANCHISE UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED FROM RECORDS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE THE DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING, TRENCHING, OR DRILLING AND SHALL BE REQUIRED TO TAKE ANY PRECAUTIONARY MEASURES TO PROTECT ALL LINES SHOWN AND / OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PUBLIC AGENCIES AND FRANCHISE UTILITIES 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR MAY BE REQUIRED EXPOSE THESE FACILITIES AT NO COST TO THE TOWN. THE CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGES TO UTILITIES IF THE DAMAGE IS CAUSED BY NEGLIGENCE OR FAILURE TO HAVE LOCATES PERFORMED.
1.13. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES OR ADJACENT PROPERTIES DURING CONSTRUCTION. ANY REMOVAL OR DAMAGE TO EXISTING FACILITIES SHALL BE REPLACED OR REPAIRED TO EQUAL OR BETTER CONDITION BY THE CONTRACTOR.
1.14. CONTRACTOR SHALL NOT STORE MATERIALS, EQUIPMENT OR OTHER CONSTRUCTION ITEMS ON ADJACENT PROPERTIES OR RIGHT-OF-WAY WITHOUT THE PRIOR WRITTEN CONSENT OF THE PROPERTY OWNER AND/OR THE TOWN, AS APPLICABLE.
1.15. TEMPORARY FENCING SHALL BE INSTALLED PRIOR TO THE REMOVAL OF EXISTING FENCING. TEMPORARY FENCING SHALL BE REMOVED AFTER PROPOSED FENCING IS APPROVED BY THE TOWN. ALL TEMPORARY AND PROPOSED FENCING LOCATIONS SHALL BE SUBJECT TO FIELD REVISIONS AS DIRECTED BY THE TOWN.
1.16. UNSUITABLE EXCAVATED MATERIAL OR CONSTRUCTION DEBRIS SHALL BE IMMEDIATELY REMOVED AND DISPOSED OF OFF-SITE AT AN APPROVED DISPOSAL FACILITY BY THE CONTRACTOR AT HIS EXPENSE.
1.17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN A NEAT AND ACCURATE RECORD OF CONSTRUCTION FOR THE TOWN'S RECORDS

GENERAL NOTES FOR LANDSCAPING

- 6.1. ALL LANDSCAPING CONSTRUCTION, INSTALLATION, TESTING, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN'S CURRENT STANDARDS, DETAILS, AND SPECIFICATIONS UNLESS OTHERWISE NOTED.
6.2. CONTRACTOR SHALL AVOID DAMAGE TO EXISTING TREES. WHEN NECESSARY, TREES AND SHRUB TRIMMING FOR CONSTRUCTION SHALL BE PERFORMED BY CERTIFIED TREE WORKER OR UNDER THE DIRECTION OF A REGISTERED LANDSCAPE ARCHITECT OR CERTIFIED ARBORIST.
6.3. CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING LANDSCAPE IRRIGATION SYSTEMS. DAMAGE TO EXISTING IRRIGATION SYSTEMS AND LANDSCAPE MATERIALS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT NO COST TO TOWN.
6.4. PRIOR TO OBTAINING A GRADING PERMIT OR SCHEDULING A PRE-CONSTRUCTION MEETING:
6.4.1. WHERE TRANSPLANTING OR TREE REMOVAL IS REQUIRED, CONTRACTOR MUST APPLY FOR A TREE PERMIT. CONTACT DEVELOPMENT SERVICES LANDSCAPE ARCHITECT FOR TREE PERMIT.
6.4.2. ALL TREE MARKINGS AND PROTECTIVE FENCING MUST BE INSTALLED BY THE CONTRACTOR AND BE INSPECTED BY THE TOWN'S LANDSCAPE ARCHITECT.
6.4.3. COORDINATE WITH PARKS DEPARTMENT ON ANY TREES THAT REQUIRE BEING TRANSPLANTED OR REMOVED FROM MEDIANS.
6.5. ALL TREES WHICH ARE TO REMAIN ON SITE SHALL BE PROTECTED WITH A 4' TALL BRIGHTLY COLORED PLASTIC FENCE PLACED AT THE DRIP LINE OF THE TREES.
6.6. TREES TO BE REMOVED MAY BE CHIPPED AND USED FOR MULCH ON SITE OR HAULED OFF-SITE. BURNING OF REMOVED TREES, STUMPS, OR FOLIAGE REQUIRES WRITTEN APPROVAL BY THE FIRE DEPARTMENT.
6.7. PLANT MATERIALS SHALL NOT IMPEDE OR OBSTRUCT VISION OR ROUTE OF TRAVEL FOR VEHICULAR, PEDESTRIAN, OR BICYCLE TRAFFIC ALONG TOWN RIGHT-OF-WAY, VISIBILITY EASEMENTS, SIDEWALKS OR OTHER EASEMENTS.
6.8. NO SIGNS, WIRES, OR OTHER ATTACHMENTS OTHER THAN THOSE OF A PROTECTIVE NATURE SHALL BE ATTACHED TO ANY TREE TO REMAIN ON SITE.
6.9. IF TOPSOIL IS TO BE ADDED TO A ROUGH GRADE, TILL 3 TO 4 INCHES DEEP, THEN ADD TOPSOIL FOR BETTER BINDING AND ELIMINATE LAYING.
6.10. SOD INSTALLATION
6.10.1. SPRAY EXISTING WEEDS WITH NON-SELECTIVE HERBICIDE PRIOR TO SOD INSTALLATION.
6.10.2. APPLY PRE-EMERGENT PRIOR TO SOD INSTALLATION.
6.10.3. ON PUBLIC PROJECTS, THE TOWN'S REPRESENTATIVE RESERVES THE RIGHT TO INSPECT SOD FARM TO SELECT SOD TO BE HARVESTED. INSPECTION OF TURFGRASS SOD BY THE TOWN'S REPRESENTATIVE MAY BE MADE AT THE GROWING SITE, BUT SUCH INSPECTION WILL NOT PRECLUDE REJECTIONS AFTER DELIVERY TO THE JOB SITE.
6.10.4. NO MORE TURFGRASS SOD SHALL BE DELIVERED TO THE JOB SITE ON ANY DAY THAN CAN BE PLACED AND WATERED ON THAT DAY.
6.10.5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING ADEQUATE WATER AVAILABLE AT THE SITE PRIOR TO AND DURING INSTALLATION OF THE TURFGRASS SOD.
6.10.6. ANY TURFGRASS SOD SO REJECTED SHALL BE REMOVED FROM THE SITE IMMEDIATELY AND REPLACED WITH ACCEPTED TURFGRASS SOD.
6.10.7. CONTRACTOR SHALL PROVIDE OPTIMUM INSTALLATION TIME PERIOD FOR SOD. NO INSTALLATION ON FROZEN SOIL. NO HARVEST OF FROZEN SOD.
6.11. PLANTING TIME FOR MEDIANS IS MARCH TO SEPTEMBER. OUTSIDE OF THIS TIME FRAME THE MEDIAN SHALL BE STABILIZED.
6.12. ESCROW FOR THE REMOVAL OF TEMPORARY STABILIZATION AND INSTALLATION OF BUFFALO GRASS SOD PER SPEC.

GENERAL NOTES FOR PAVING SYSTEMS

- 2.1. ALL PAVING CONSTRUCTION, TESTING, AND MATERIALS, INCLUDING CONCRETE, REINFORCEMENT, JOINTING, AND SUBGRADE PREPARATION AND TREATMENT SHALL BE IN ACCORDANCE WITH THE TOWN'S CURRENT STANDARDS, DETAILS, AND CONSTRUCTION SPECIFICATIONS UNLESS OTHERWISE NOTED.
2.2. NO EARTHWORK, LIME APPLICATION, OR OTHER PREPARATION OF THE SUBGRADE FOR PAVING OF STREETS, ALLEYS, OR FIRE LANES SHALL BE INITIATED WITHOUT AUTHORIZATION FROM THE TOWN. THE TOWN WILL AUTHORIZE THE SUBGRADE ENGINEERING STANDARDS WORK IN PREPARATION FOR PAVING AFTER UTILITY TRENCH BACKFILL TESTING HAS BEEN COMPLETED AND VERIFIED TO MEET THE TOWN REQUIREMENTS.
2.3. SUBGRADE:
2.3.1. SHALL EXTEND 12" MIN. BEHIND THE BACK OF CURB.
2.3.2. SUBGRADE UNDER ALL PAVEMENT SHALL BE 6" THICK AND SHALL BE STABILIZED HTH AT LEAST 30 LBS. PER SQ. YD. HYDRATED LIME, COMPACTED TO A DENSITY NOT LESS THAN 95 PERCENT.
2.3.3. LABORATORY TESTS MUST BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR APPROVAL TO DETERMINE AMOUNT OF LIME REQUIRED. LABORATORY TEST MAY BE WAIVED PROVIDED AT LEAST 36 LBS. OF LIME PER SQ. YD. IS USED. SEE NCTCOG ITEM 301.2 "LIME TREATMENT".
2.3.4. FLEXIBLE BASE (CRUSHED STONE/CONCRETE) PER NCTCOG ITEM 301.5 MAY BE SUBSTITUTED FOR LIME TREATMENT WITH THE APPROVAL OF THE TOWN ENGINEER.
2.4. REINFORCING STEEL:
2.4.1. BAR LAPS SHALL BE THIRTY DIAMETERS.
2.4.2. REINFORCING STEEL SHALL BE #3 REBAR (3/8") ON 18" CENTERS FOR 8' OR LESS PAVEMENT THICKNESS, #4 FOR 10' OR MORE PAVEMENT THICKNESS.
2.4.3. REBAR SHALL BE SUPPORTED BY BAR CHAIRS OR OTHER DEVICES APPROVED BY TOWN ENGINEER.
2.4.4. NO TRAFFIC ON FINISHED SUBGRADE SHALL BE PERMITTED AFTER REINFORCING STEEL IS INSTALLED ABOVE SUBGRADE. NO TRAFFIC SHALL BE PERMITTED BEFORE OR DURING THE PLACING OF CONCRETE.
2.5. CONCRETE PAVEMENT:
2.5.1. ALL CONCRETE STRENGTH AND MIX DESIGN SHALL BE AS SHOWN IN LATEST EDITION OF NCTCOG SECTION 303.5
2.5.2. CLASS P1 PAVEMENT : MACHINE FINISHED: A SLIP-FORM PAVING MACHINE SHALL BE USED FOR ALL PUBLIC STREETS AND ALLEYS UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS & ENGINEERING SERVICES. MIN. 4000 PSI 28-DAY COMPRESSIVE STRENGTH.
2.5.3. CLASS P2 PAVEMENT : HAND FINISHED: HAND FINISHED PAVEMENT IS PERMITTED FOR TURNS LANES, DECELERATION LANES, DRIVEWAY APPROACHES, OR PANEL REPLACEMENT OF PUBLIC STREETS OR ALLEYS. MIN. 4500 PSI 28-DAY COMPRESSIVE STRENGTH.
2.5.4. THE MINIMUM PAVEMENT THICKNESS SHALL BE AS FOLLOWS:
2.5.4.1. MAJOR ARTERIAL - 10' CLASS 'P1' OR 'P2'
2.5.4.2. MINOR ARTERIAL - 8' CLASS 'P1' OR 'P2'
2.5.4.3. COMMERCIAL / INDUSTRIAL COLLECTOR - 8' CLASS 'P1' OR 'P2'
2.5.4.4. RESIDENTIAL COLLECTOR - 8' CLASS 'P1' OR 'P2'
2.5.4.5. RESIDENTIAL LOCAL - 8' CLASS 'P1' OR 'P2'
2.5.4.6. SIDEWALK AND BFRS - 4' - CLASS 'A'
2.5.4.7. DRIVEWAY APPROACH - 8' - CLASS 'P2'
2.5.4.8. ALLEY - 6' CLASS 'P1' OR 'P2'
2.5.5. CONCRETE FOR ALLEY RETURNS AND DRIVEWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS IDENTICAL TO THAT SPECIFIED FOR THE STREET PAVEMENT OR BASE WHEN BUILT AS COMPONENTS OF A CONCRETE PAVING PROJECTS. WHEN BUILT SEPARATELY, THE STRENGTH SHALL BE AS SPECIFIED ON THE CONSTRUCTION PLAN.
2.5.6. SPACING AND CONSTRUCTION OF JOINTS SHALL CONFORM TO TOWN OF ADDISON STANDARD CONSTRUCTION DETAILS.
2.5.7. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL PEDESTRIAN WORK MEETS OR EXCEEDS THE CURRENT AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG), THE TEXAS ACCESSIBILITY STANDARDS (TAS), AND PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG). THE CONTRACTOR SHALL REMOVE AND REPLACE ANY CONSTRUCTED OR INSTALLED ITEMS NOT MEETING THE CURRENT ADAAG, TAS, & PROWAG REQUIREMENTS AT NO ADDITIONAL COST TO THE TOWN.
2.5.8. ALL MEDIANS AND PARKWAYS SHALL BE PROVIDED WITH BERMUDA GROUND COVER.

GENERAL NOTES FOR IRRIGATION

- 7.1. ALL IRRIGATION CONSTRUCTION, INSTALLATION, TESTING, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN'S CURRENT STANDARDS, DETAILS, AND SPECIFICATIONS UNLESS OTHERWISE NOTED.
7.2. A PERMIT FROM THE BUILDING INSPECTION DIVISION IS REQUIRED FOR EACH IRRIGATION SYSTEM.
7.3. CONTRACTOR SHALL NOTIFY THE PARKS AND RECREATION DEPARTMENT PRIOR TO ANY MODIFICATIONS TO THE EXISTING IRRIGATION SYSTEM.
7.4. CONTRACTOR SHALL CONTACT THE PARKS AND RECREATION DEPARTMENT TO COORDINATE WORK PRIOR TO COMMENCING WORK ON ANY EXISTING IRRIGATION AND PRIOR TO ANY INSTALLATION OF NEW IRRIGATION.
7.5. CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING LANDSCAPE IRRIGATION SYSTEMS. DAMAGE TO EXISTING IRRIGATION SYSTEMS AND LANDSCAPE MATERIALS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT NO COST TO TOWN.
7.6. CONTRACTOR SHALL PROGRAM EACH CONTROLLER ZONE BASED ON SPRINKLER TYPE, PLANT VARIETY, SOIL CHARACTERISTIC, SLOPE AND SOLAR ORIENTATION AS DESIGNATED ON THE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE TOWN PARKS AND RECREATION DEPARTMENT FOR APPROVAL OF THE CONTROLLER SETTINGS.
7.7. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH FRANCHISE UTILITY PROVIDER TO PROVIDE POWER TO EACH IRRIGATION CONTROLLER. CONTRACTOR SHALL HAVE UNDERGROUND POWER LINES INSTALLED FROM POWER SOURCE UP TO THE CONTROLLER. CONTRACTOR SHALL MEET CONTROLLER SPECIFICATIONS FOR POWER REQUIREMENTS.
7.8. CONTRACTOR SHALL SET A TEMPORARY CONTROLLER TO ESTABLISH LANDSCAPE. ONCE LANDSCAPE IS ESTABLISHED, CONTRACTOR SHALL CONTACT THE TOWN'S PARKS AND RECREATION DEPARTMENT FOR ASSISTANCE ON INSTALLATION OF A MOTOROLA CONTROLLER.

GENERAL NOTES FOR TRAFFIC CONTROL

- 8.1. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL TEMPORARY AND PERMANENT TRAFFIC CONTROL IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE LATEST REVISION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) AND TXDOT BARRICADE AND CONSTRUCTION STANDARDS.
8.2. CONTRACTOR SHALL NOT IMPEDE TRAFFIC ON EXISTING STREETS, DRIVEWAYS, ALLEYS, OR FIRE LANES OPEN TO THE PUBLIC. IN THE EVENT THE CONSTRUCTION WORK REQUIRES THE CLOSURE OF AN EXISTING STREET, ALLEY, OR FIRE LANE, THE CONTRACTOR SHALL REQUEST THE ROAD CLOSURE THROUGH THE PUBLIC WORKS & ENGINEERING SERVICES A MINIMUM OF 72 HOURS IN ADVANCE OF THE REQUESTED CLOSURE. CLOSURES WILL NOT BE ALLOWED PRIOR TO 9:00 A.M. OR AFTER 3:30 P.M., MONDAY THROUGH FRIDAY UNLESS OTHERWISE APPROVED BY THE TOWN.

GENERAL NOTES FOR WATER & WASTEWATER SYSTEMS

- 3.1. ALL WATER AND WASTEWATER CONSTRUCTION, TESTING, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MORE RESTRICTIVE OF THE CURRENT TCEQ REGULATIONS OR THE TOWN'S CURRENT STANDARDS, DETAILS, AND SPECIFICATIONS, UNLESS OTHERWISE NOTED.
3.2. TRENCH SAFETY
3.2.1. PRIVATE DEVELOPMENT: CONTRACTOR SHALL SUBMIT A TRENCH SAFETY PLAN TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE PRE-CONSTRUCTION MEETING.
3.2.2. PUBLIC PROJECTS : CONTRACTOR AND/OR DESIGN ENGINEER SHALL SUBMIT A TRENCH SAFETY PLAN AS PART OF THE CIVIL CONSTRUCTION DOCUMENTS PACKAGE.
3.3. CONTRACTOR SHALL NOT OPERATE ANY WATER VALVES THAT ARE PART OF THE ACTIVE TOWN OF ADDISON WATER SYSTEM. CONTACT THE TOWN'S PUBLIC WORKS & ENGINEERING SERVICES TO REQUEST VALVE CHANGES
3.4. ANY EXISTING FIRE HYDRANT THAT IS MODIFIED AND HAS A DATE THAT EXCEEDS 8 YEARS IN AGE SHALL BE REPLACED AND THE OLD FIRE HYDRANT RETURNED TO THE PUBLIC WORKS & ENGINEERING SERVICES BY THE CONTRACTOR AT HIS EXPENSE.
3.5. ANY EXISTING MANHOLE WITH AN OPENING SMALLER THAN 30" DIAMETER THAT IS MODIFIED SHALL HAVE THE CONE SECTION, RING, AND COVER REPLACED WITH A MINIMUM OF 30" DIAMETER CONE SECTION, RING, AND COVER BY THE CONTRACTOR AT HIS EXPENSE.

GENERAL NOTES FOR STORM DRAIN SYSTEMS

- 4.1. ALL "STORM DRAIN" CONSTRUCTION, TESTING, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF NCTCOG'S SPECIFICATIONS AND DETAILS, AND THE TOWN'S CURRENT STANDARDS, DETAILS, AND SPECIFICATIONS UNLESS OTHERWISE NOTED.
4.2. TRENCH SAFETY
4.2.1. PRIVATE DEVELOPMENT: CONTRACTOR SHALL SUBMIT A TRENCH SAFETY PLAN TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE PRE-CONSTRUCTION MEETING.
4.2.2. PUBLIC PROJECTS : CONTRACTOR AND/OR DESIGN ENGINEER SHALL SUBMIT A TRENCH SAFETY PLAN AS PART OF THE CIVIL CONSTRUCTION DOCUMENTS PACKAGE.
4.3. ALL CONCRETE DRAINAGE STRUCTURES SHALL BE MINIMUM CLASS C CONCRETE.
4.4. ALL CRUSHED STONE SHALL BE "3", PASSING #4 SIEVE (GRADE 4).
4.5. ALL FIELD JOINTS WILL BE APPROVED BY THE TOWN ENGINEER IF NECESSARY. FIELD JOINTS SHALL BE WIPED ON THE INSIDE AND OUTSIDE AND PROVIDE FOR SMOOTH FLOW OF WATER.
4.6. RAMNECK COMPOUND OR APPROVED EQUAL SHALL BE USED FOR JOINT SEALS.
4.7. CLEANING & INSPECTION
4.7.1. ALL STORM SEWER PIPE SHALL BE CAMERA INSPECTED AFTER THE INSTALLATION OF ALL PAVING AND UTILITIES AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
4.7.2. CONTRACTOR SHOULD INSPECT ALL STORM DRAIN OUTFALLS NO EARLIER THAN ONE WEEK PRIOR TO FINAL INSPECTION AND REMOVE ALL SILT AND DEBRIS.

GENERAL NOTES FOR TRAFFIC SIGNALS & STREET LIGHTING

- 9.1. ALL TRAFFIC SIGNAL AND STREET LIGHTING CONSTRUCTION, TESTING, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN'S CURRENT STANDARDS, DETAILS, AND SPECIFICATIONS UNLESS OTHERWISE NOTED. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE MOST CURRENT NATIONAL ELECTRICAL CODE, TOWN AND TXDOT SPECIFICATIONS AND STANDARDS.
9.2. CONTRACTOR SHALL NOTIFY THE TRAFFIC DEPARTMENT AT LEAST 7 BUSINESS DAYS PRIOR TO ANY WORK, PROVIDE A CONSTRUCTION SCHEDULE AND WEEKLY PROGRESS REPORTS TO THE TRAFFIC DEPARTMENT, AND NOTIFY THE TRAFFIC DEPARTMENT AT LEAST 48 HOURS PRIOR TO SIGNAL TURN-ON.
9.3. CONTRACTOR SHALL COORDINATE ELECTRICAL SERVICES WITH THE TOWN AND EITHER ONCOR OR COSERV REPRESENTATIVES (ACCORDING TO THEIR RESPECTIVE AREA)
9.4. CONTRACTOR SHALL COORDINATE WITH THE ELECTRIC COMPANY TO DE-ENERGIZE ANY OVERHEAD OR UNDERGROUND POWER LINES. ANY COST ASSOCIATED WITH DE-ENERGIZING THE POWER LINE AND/OR ANY OTHER PROTECTIVE MEASURES REQUIRED SHALL BE AT NO COST TO TOWN.
9.5. THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY COMPANY AND TXDOT/NTTA (IF WITHIN TXDOT/NTTA ROW) PRIOR TO BEGINNING ERECTION OF POLES, LUMINARIES AND STRUCTURES LOCATED NEAR ANY OVERHEAD OR UNDERGROUND UTILITIES.
9.6. PROPOSED CONCRETE FOUNDATION AND CONDUIT ALIGNMENT SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE TOWN PRIOR TO INSTALLATION.
9.7. CONTRACTOR SHALL CONTACT THE TOWN TRAFFIC DEPARTMENT (BETWEEN 8 AM - 5PM) FOR INSPECTION PRIOR TO POURING ANY CONCRETE FOUNDATION AND DIGGING FOR CONDUIT RUNS AT LEAST 48 HOURS IN ADVANCE.
9.8. CONTRACTOR SHALL HAVE A QUALIFIED IMSA LEVEL II OR A TRF453 CERTIFIED TECHNICIAN ON THE PROJECT SITE TO PLACE THE TRAFFIC SIGNALS IN OPERATION.
9.9. ELECTRICAL WORK SHALL BE PERFORMED BY CERTIFIED PERSONS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT AND MAY BE REJECTED AS UNSUITABLE FOR USE DUE TO POOR WORKMANSHIP. THE REQUIRED ELECTRICAL CERTIFICATION COURSE IS AVAILABLE AND IS SCHEDULED PERIODICALLY BY TCEX. ALTERNATIVELY, THE CONTRACTOR MAY PURCHASE AN ENTIRE COURSE FOR THEIR PERSONNEL TO BE HELD AT A TIME AND LOCATION OF THEIR CHOICE AS NEGOTIATED THROUGH TCEX. FOR MORE INFORMATION, CONTACT: TEXAS ENGINEERING EXTENSION SERVICE (TCEX), TXDOT ELECTRICAL SYSTEM COURSE.
9.10. THE CONTRACTOR SHALL NOT PLACE PEDESTRIAN CROSSWALK AND STOP BAR PAVEMENT MARKINGS UNTIL SIGNAL IS OPERATIONAL.
9.11. ALL LIGHTING POLES, FIXTURES, AND ARMS WHICH ARE REMOVED SHALL BE DELIVERED TO THE TOWN PUBLIC WORKS & ENGINEERING SERVICES FACILITY BY THE CONTRACTOR AND WILL REMAIN THE PROPERTY OF THE TOWN. CONTACT THE TRAFFIC DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF DELIVERY.
9.12. DURING THE 30-DAY TRAFFIC SIGNAL TEST PERIOD, CONTRACTOR SHALL RESPOND TO AND DIAGNOSE ALL TROUBLE CALLS WITH QUALIFIED PERSONNEL WITHIN A REASONABLE TRAVEL TIME FROM A DALLAS ADDRESS, BUT NOT MORE THAN TWO (2) HOURS MAXIMUM. CONTRACTOR SHALL REPAIR ANY MALFUNCTIONS OF SIGNAL EQUIPMENT SUPPLIED BY CONTRACTOR ON THE PROJECT. A LOCAL TELEPHONE NUMBER (NOT SUBJECT TO FREQUENT CHANGES) WHERE TROUBLE CALLS ARE TO BE RECEIVED ON A 24-HOUR BASIS SHALL BE PROVIDED TO THE TOWN BY THE CONTRACTOR. APPROPRIATE REPAIRS SHALL BE MADE WITHIN 24 HOURS. THE CONTRACTOR SHALL KEEP A RECORD OF EACH TROUBLE CALL REPORTED IN THE LOGBOOK PROVIDED BY THE TOWN AND SHALL NOTIFY THE TOWN OF EACH TROUBLE CALL. THE ERROR LOG IN THE MALFUNCTION MANAGEMENT UNIT (MMU) SHALL NOT BE CLEARED DURING THE 30-DAY TEST PERIOD WITHOUT THE APPROVAL OF THE TOWN.
9.13. TEXAS STATE LAW, ARTICLE 1436C, MAKES IT UNLAWFUL TO OPERATE EQUIPMENT OR MACHINES WITHIN 10- FEET OF ANY OVERHEAD ELECTRICAL LINES UNLESS DANGER AGAINST CONTACT WITH HIGH VOLTAGE OVERHEAD LINES HAS BEEN EFFECTIVELY GUARDED AGAINST PURSUANT TO THE PROVISIONS OF THIS ARTICLE. WHEN CONSTRUCTION OPERATIONS REQUIRE WORKING NEAR AN OVERHEAD ELECTRICAL LINE, THE CONTRACTOR SHALL CONTACT THE OWNER/OPERATOR OF THE OVERHEAD ELECTRICAL LINE TO MAKE ADEQUATE ARRANGEMENTS AND TO TAKE NECESSARY SAFETY PRECAUTIONS TO ENSURE THAT ALL LAWS, ELECTRICAL LINE OWNER/OPERATOR REQUIREMENTS AND STANDARD SAFETY PRACTICES ARE MET

GENERAL NOTES FOR EROSION CONTROL

- 5.1. ALL OPERATORS AND/OR CONTRACTORS SHALL CONFORM TO THE TERMS & CONDITIONS OF THE TCEQ TPDES GENERAL PERMIT NO. 150000.
5.1.1. THE NOTICE OF INTENT (NOI), AS REQUIRED BY THE GENERAL PERMIT, MUST BE PROPERLY DISPLAYED ON THE SITE AT ALL TIMES BY EACH OPERATOR. A COPY OF THE NOI MUST BE PROVIDED TO THE PUBLIC WORKS & ENGINEERING SERVICES PRIOR TO START OF CONSTRUCTION.
5.1.2. ALL RELEASES OF REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES SHALL BE REPORTED IMMEDIATELY TO THE FACILITY OPERATOR, EPA, AND TCEQ.
5.1.3. IF ANY CONTRACTOR SEES A VIOLATION BY AN OPERATOR OR ANOTHER CONTRACTOR, THAT OPERATOR OR CONTRACTOR IN VIOLATION SHALL BE NOTICED AS WELL AS THE FACILITY OPERATOR.
5.2. EROSION CONTROL DEVICES SHALL BE INSTALLED ON ALL PROJECTS PRIOR TO ANY SOIL DISTURBANCE AND SHALL BE MAINTAINED THROUGHOUT THE PROJECT IN A CONDITION ACCEPTABLE TO THE TOWN.
5.2.1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTROL AND LIMIT SILT AND SEDIMENT LEAVING THE SITE. SPECIFICALLY, THE CONTRACTOR SHALL PROTECT ALL PUBLIC STREETS, ALLEYS, STREAMS, AND STORM DRAINAGE SYSTEMS FROM EROSION DEPOSITS.
5.2.1.1. QUALIFIED OPERATOR PERSONNEL MUST INSPECT THE SITE WEEKLY, AND WITHIN 24 HRS (BEFORE AND AFTER) A STORM EVEN OF 0.5 INCHES OR GREATER.
5.2.1.2. ACCUMULATED SILT DEPOSITS SHALL BE REMOVED FROM SILT FENCES AND HAY BALE DIKES WHEN SILT DEPTH REACHES THREE INCHES (3") OF 25% OF THE HEIGHT OF THE DEVICE (WHICHEVER IS LESS). THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER SO AS NOT TO CONTRIBUTE TO ADDITIONAL SILTATION.
5.2.2. THE CONTRACTOR SHALL ADD OR DELTATE EROSION PROTECTION AT THE REQUEST AND DIRECTION OF THE OPERATOR OR TOWN.
5.2.3. MODIFICATIONS TO THE SWPPP SHALL BE IMPLEMENTED AND IN-PLACE WITHIN A SEVEN CALENDAR DAY PERIOD. ANY MAJOR MODIFICATIONS SHALL BE REVIEWED AND APPROVED BY THE DESIGN ENGINEER AND PUBLIC WORKS & ENGINEERING SERVICES PRIOR TO IMPLEMENTATION.
5.3. CONSTRUCTION ENTRANCES AND WASHOUTS
5.3.1. ASPHALT BAGS SHALL BE PLACED AT CONSTRUCTION ENTRANCES TO PREVENT CURB DAMAGE.
5.3.2. GEOTEXTILE FABRIC SHALL BE PLACED ON SUBGRADE PRIOR TO STONE PLACEMENT FOR CONSTRUCTION ENTRANCES.
5.3.3. NO EQUIPMENT SHALL BE CLEANED ON-SITE, OR OTHER LIQUIDS DEPOSITED AND ALLOWED TO FLOW OVERLAND OR SUBTERRANEAN WITHIN THE LIMITS OF THE CRITICAL ROOT ZONE OF TREES THAT REMAIN ON SITE. THIS INCLUDES PAINT, OIL, SOLVENTS, ASPHALT, CONCRETE, CONCRETE EQUIPMENT WASH WATER, MORTAR OF SIMILAR MATERIALS.
5.4. WASTE DISPOSAL
5.4.1. CONTRACTOR SHALL PROVIDE WASTE DISPOSAL CONTAINERS ON THE SITE FOR DISPOSAL OF ALL NON-HAZARDOUS CONSTRUCTION WASTE MATERIALS. THE CONTAINERS SHALL BE HAULED TO THE APPROPRIATE DISPOSAL LOCATION BY THE CONTRACTOR.
5.4.2. ALL HAZARDOUS MATERIALS SHALL BE HANDLED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
5.5. AFTER INSTALLATION OF PAVEMENT, FINAL LOT BENCHING, AND GENERAL CLEANUP, THE CONTRACTOR SHALL ESTABLISH GRASS GROUND COVER IN ALL STREET PARKWAYS, LOTS, AND ALL OTHER DISTURBED AREAS. SODDING SHALL BE DONE AS SPECIFIED BY THE MORE RESTRICTIVE OF CURRENT NCTCOG OR TOWN STANDARDS.
5.6. SILT FENCE NOTES
5.6.1. POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. THE POST MUST BE EMBEDDED A MINIMUM OF 18". STEEL POSTS SHALL NOT BE USED TO INSTALL EROSION CONTROL MEASURES WITHIN TOWN ROW.
5.6.2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.
5.6.2.1. THE TRENCH MUST BE A MINIMUM OF SIX INCHES (6") DEEP AND SIX INCHES (6") WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
5.6.2.2. WHERE THE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT), WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON THE UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
5.6.3. WIRE REINFORCEMENT SHALL BE USED ON ALL SILT FENCE USED FOR EROSION CONTROL. SILT FENCE SHALL BE SECURELY FASTENED TO EACH SUPPORT POST. THERE SHALL BE A SIX INCH (6") DOUBLE OVERLAP, SECURELY FASTENED, WHERE ENDS OF FABRIC MEET.
5.6.4. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

RECORD DRAWING

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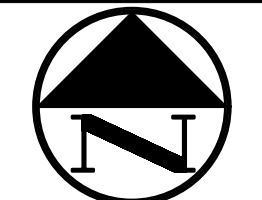
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SIGNATURE:
ENGINEER OF RECORD: GREG GERBIG, P.E. 118740
CONTRACTOR: SCOTT & REID GENERAL CONTRACTORS, INC.
DATE REVISED: 2024/02/20

Table with columns: NO., DATE, REVISION, DESIGN, DRAWN, DATE, SCALE, NOTES, FILE, NO. Includes Pacheco Koch logo and project title: TOWN GENERAL CONSTRUCTION NOTES GREENHILL SCHOOL ADDITION VALDES STEM + INNOVATION CENTER LOT 1R, BLOCK 1 TOWN OF ADDISON, DALLAS COUNTY, TEXAS

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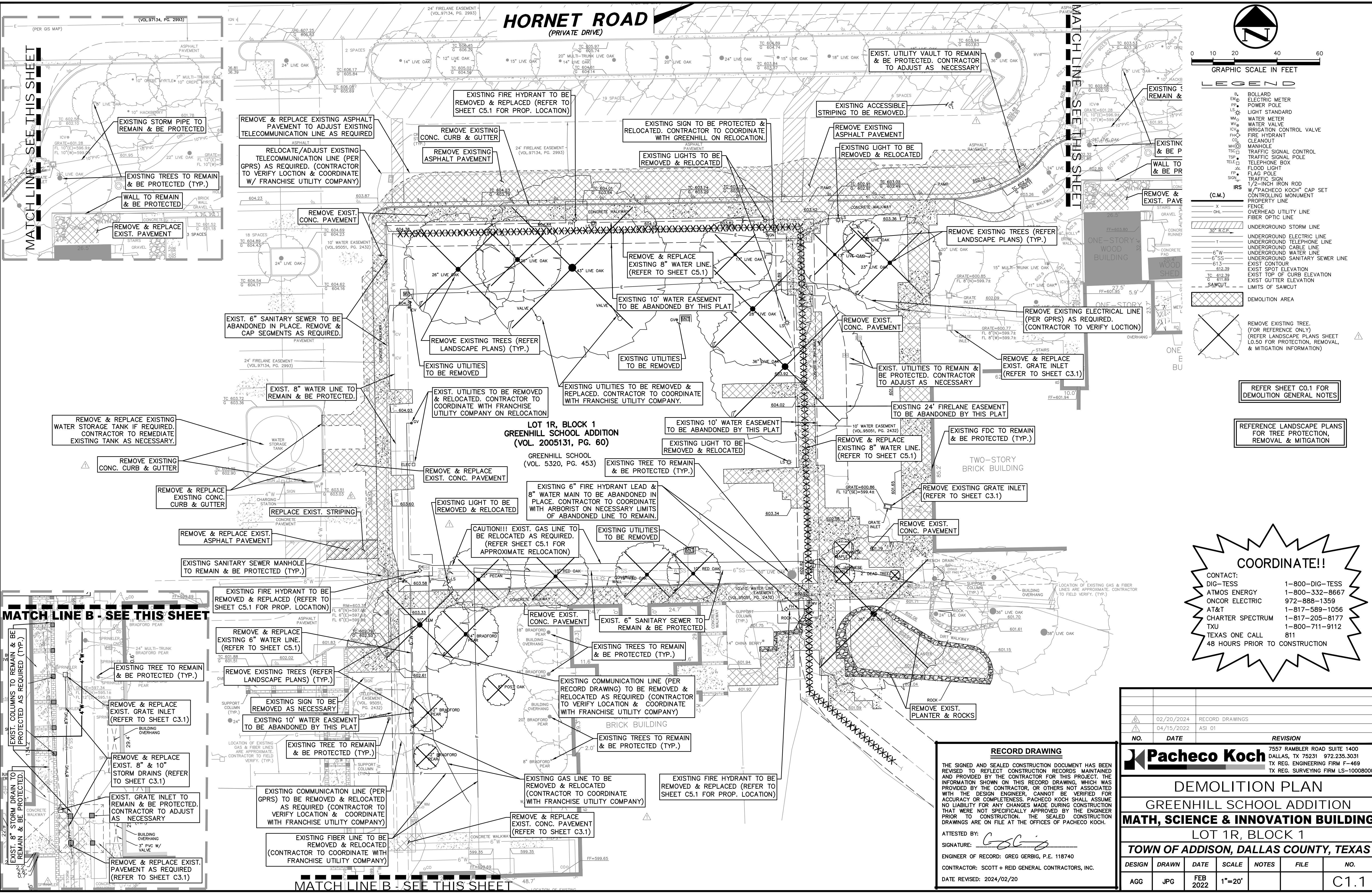
GREENHILL SCHOOL - VALDES STEM + INNOVATION CENTER

HORNET ROAD (PRIVATE DRIVE)



LEGEND

- B BOLLARD
- EM ELECTRIC METER
- PP POWER POLE
- LS LIGHT STANDARD
- WM WATER METER
- WV WATER VALVE
- ICV IRRIGATION CONTROL VALVE
- ICV FIRE HYDRANT
- CS CLEANOUT
- MH MANHOLE
- TSC TRAFFIC SIGNAL CONTROL
- TSP TRAFFIC SIGNAL POLE
- TELEJ TELEPHONE BOX
- FL FLOOD LIGHT
- FP FLAG POLE
- TRF TRAFFIC SIGN
- IRS 1/2" INCH IRON ROD
- W/PACHECO KOCH CAP SET
- CONTROLLING MONUMENT
- PROPERTY LINE
- FENCE
- OHL OVERHEAD UTILITY LINE
- FIBER OPTIC LINE
- UNDERGROUND STORM LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND CABLE LINE
- UNDERGROUND WATER LINE
- UNDERGROUND SANITARY SEWER LINE
- 613 EXIST. CONTOUR
- 812.39 EXIST. SPOT ELEVATION
- 812.39 EXIST. TOP OF CURB ELEVATION
- 611.89 EXIST. GUTTER ELEVATION
- SAWCUT LIMITS OF SAWCUT
- DEMOLITION AREA
- REMOVE EXISTING TREE (FOR REFERENCE ONLY) (REFER LANDSCAPE PLANS SHEET L0.50 FOR PROTECTION, REMOVAL, & MITIGATION INFORMATION)



COORDINATE!!

CONTACT:
 DIG-TESS 1-800-DIG-TESS
 ATMOS ENERGY 1-800-332-8667
 ONCOR ELECTRIC 972-888-1359
 AT&T 1-817-589-1056
 CHARTER SPECTRUM 1-817-205-8177
 TXU 1-800-711-9112
 TEXAS ONE CALL 811
 48 HOURS PRIOR TO CONSTRUCTION

RECORD DRAWING

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ATTESTED BY:
 SIGNATURE: *[Signature]*
 ENGINEER OF RECORD: GREG GERBIG, P.E. 118740
 CONTRACTOR: SCOTT & REID GENERAL CONTRACTORS, INC.
 DATE REVISED: 2024/02/20

NO.	DATE	REVISION
02/20/2024	RECORD DRAWINGS	
04/15/2022	ASI 01	

Pacheco Koch
 7557 RAMBLER ROAD SUITE 1400
 DALLAS, TX 75231 972.235.3031
 TX REG. ENGINEERING FIRM F-469
 TX REG. SURVEYING FIRM LS-10008000

DEMOLITION PLAN
GREENHILL SCHOOL ADDITION
MATH, SCIENCE & INNOVATION BUILDING
 LOT 1R, BLOCK 1
 TOWN OF ADDISON, DALLAS COUNTY, TEXAS

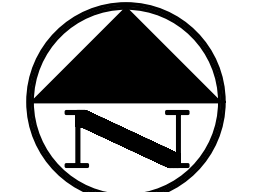
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GREENHILL SCHOOL - MATH, SCIENCE & INNOVATION BUILDING

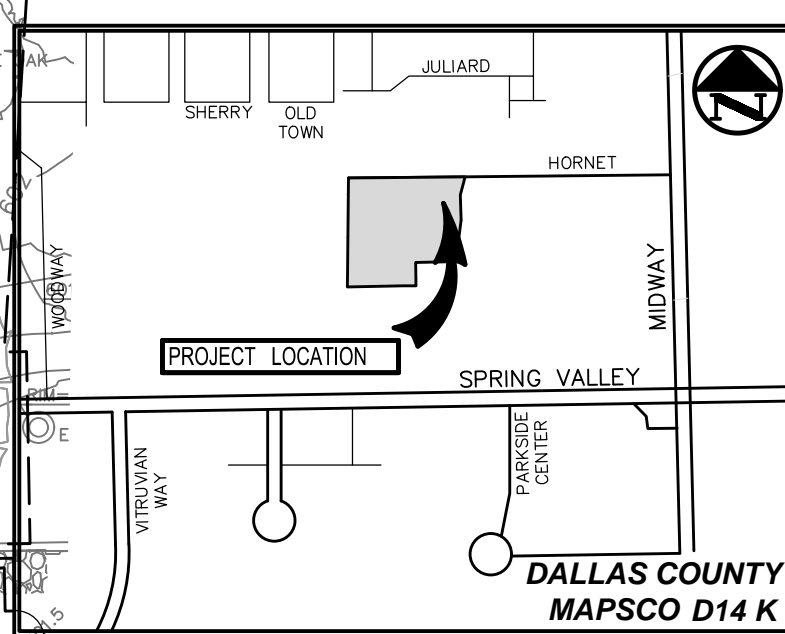
MATCH LINE - SEE THIS SHEET

HORNET ROAD (PRIVATE DRIVE)



- LEGEND**
- BL BOLLARD
 - EM ELECTRIC METER
 - PP POWER POLE
 - LS LIGHT STANDARD
 - WM WATER METER
 - WV WATER VALVE
 - ICV IRRIGATION CONTROL VALVE
 - FHC FIRE HYDRANT
 - CO CLEANOUT
 - MH MANHOLE
 - TSC TRAFFIC SIGNAL CONTROL
 - TSP TRAFFIC SIGNAL POLE
 - TELE TELEPHONE BOX
 - FL FLOOD LIGHT
 - FP FLAG POLE
 - TRF TRAFFIC SIGN
 - IRS 1/2" IRON ROD
 - (C.M.) W/PACHECO KOCH CAP SET
 - X CONTROLLING MONUMENT
 - FENCE
 - OVERHEAD UTILITY LINE
 - EXISTING STORM LINE
 - 30" R.C.P.
 - UNDERGROUND ELECTRIC LINE
 - UNDERGROUND TELEPHONE LINE
 - UNDERGROUND CABLE LINE
 - UNDERGROUND WATER LINE
 - 6" W UNDERGROUND SANITARY SEWER LINE
 - 6" SS UNDERGROUND SANITARY SEWER LINE
 - PROPOSED STORM LINE
 - TOP OF INLET
 - EXIST. CONTOUR
 - (400) PROPOSED CONTOUR
 - PROPOSED SWALE
 - PROPOSED GRADE BREAK
 - PROPOSED DRAINAGE FLOW DIRECTION

VICINITY MAP
(NOT TO SCALE)

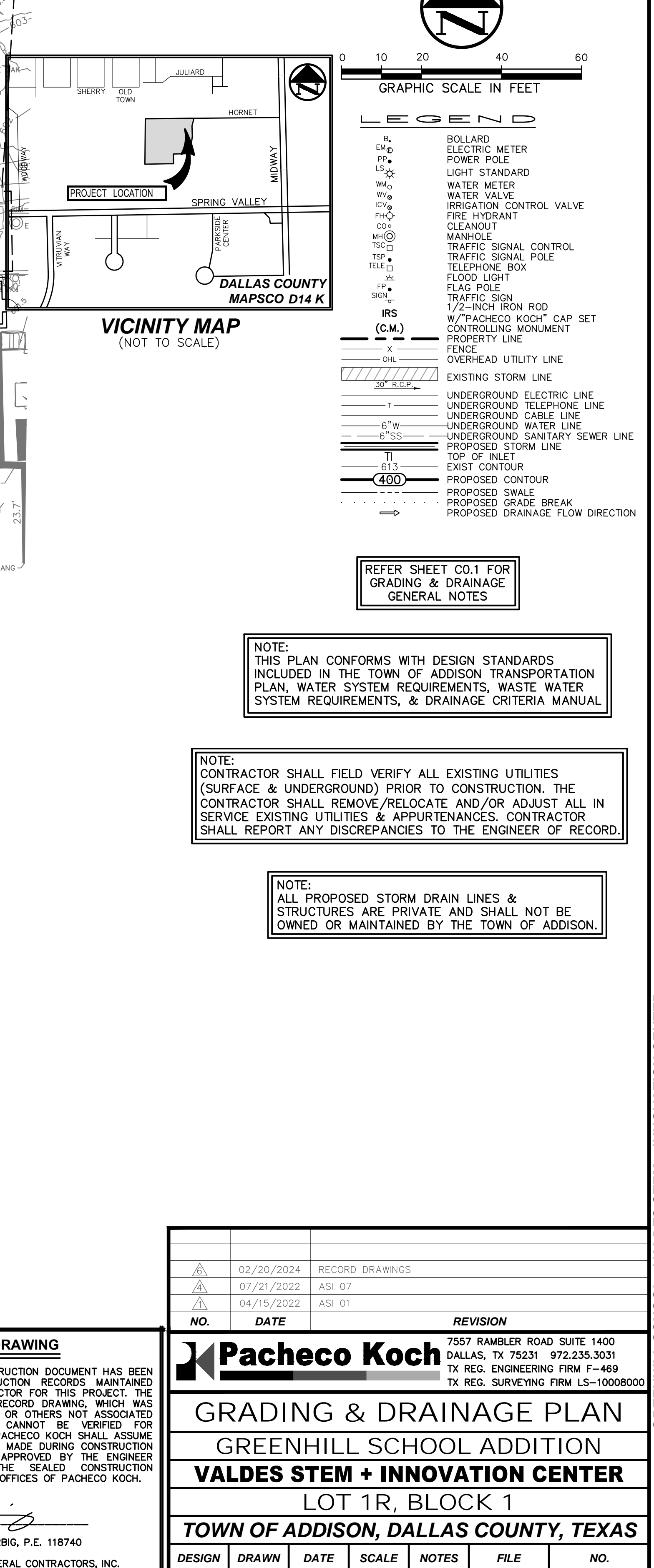
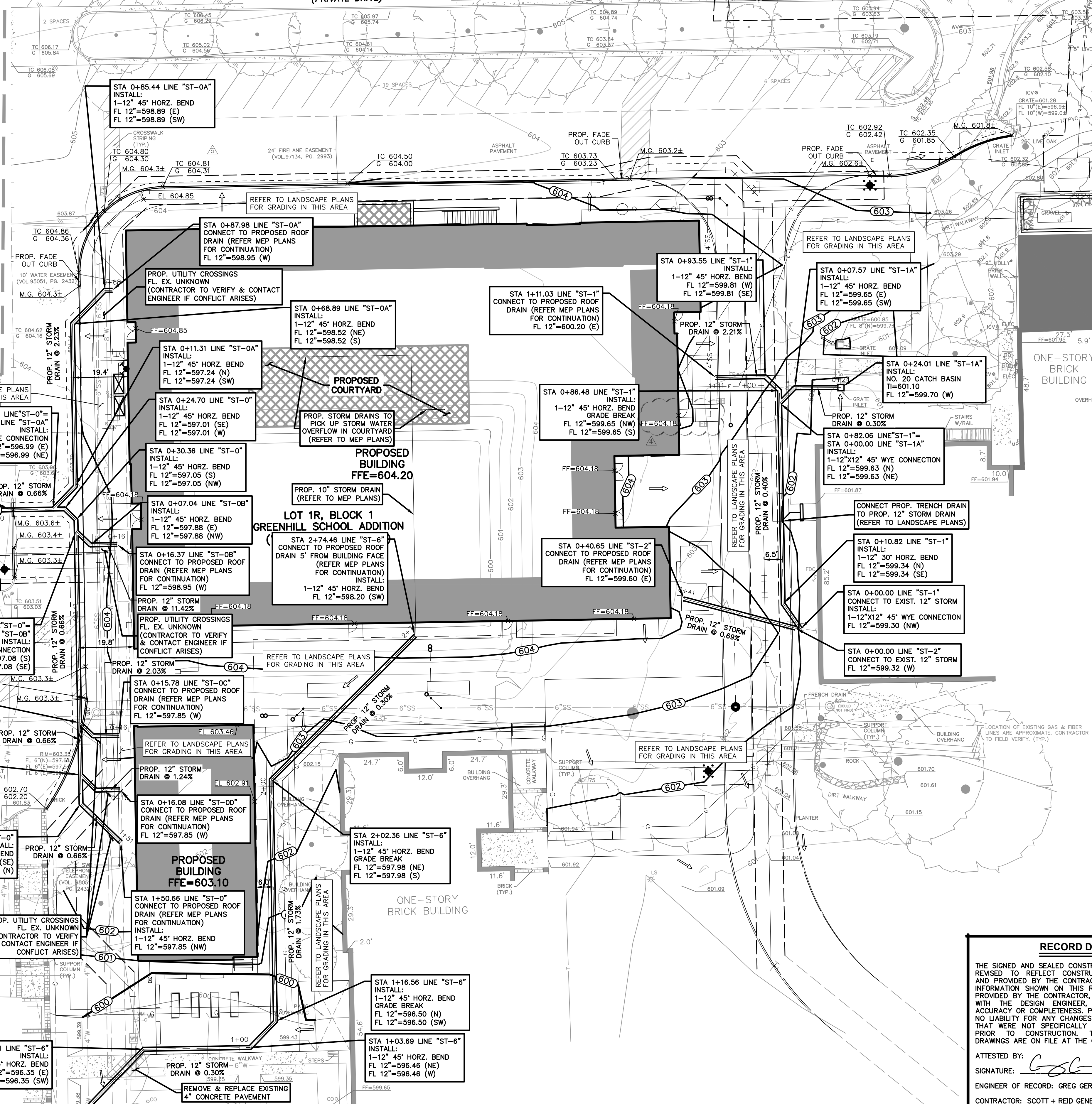
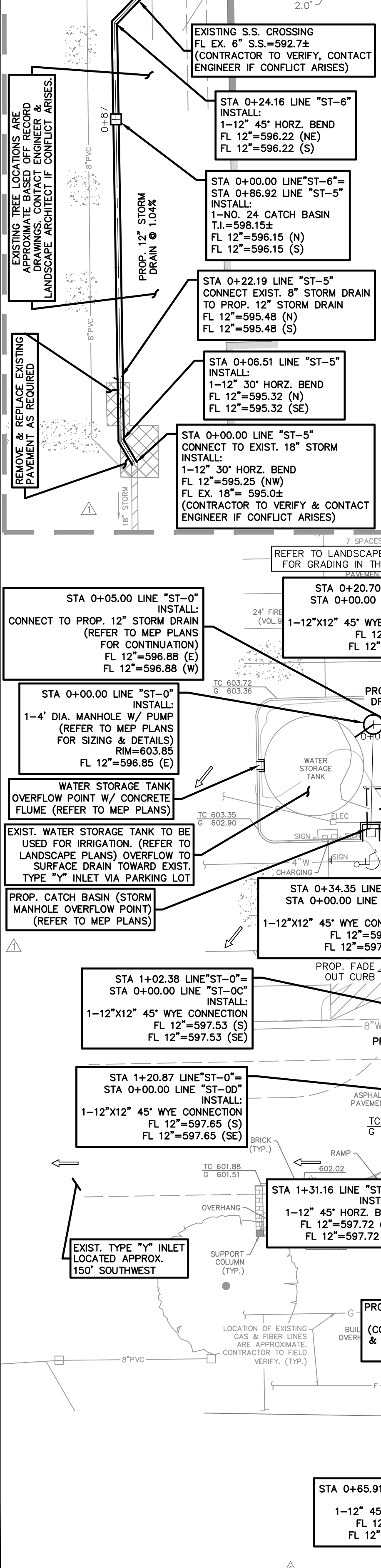


REFER SHEET CO.1 FOR
GRADING & DRAINAGE
GENERAL NOTES

NOTE:
THIS PLAN CONFORMS WITH DESIGN STANDARDS
INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION
PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER
SYSTEM REQUIREMENTS, & DRAINAGE CRITERIA MANUAL

NOTE:
CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES
(SURFACE & UNDERGROUND) PRIOR TO CONSTRUCTION. THE
CONTRACTOR SHALL REMOVE/RELOCATE AND/OR ADJUST ALL IN
SERVICE EXISTING UTILITIES & APPURTENANCES. CONTRACTOR
SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD.

NOTE:
ALL PROPOSED STORM DRAIN LINES &
STRUCTURES ARE PRIVATE AND SHALL NOT BE
OWNED OR MAINTAINED BY THE TOWN OF ADDISON.



MATCH LINE - SEE THIS SHEET

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ATTESTED BY: *[Signature]*
SIGNATURE: _____
ENGINEER OF RECORD: GREG GERBIG, P.E. 118740
CONTRACTOR: SCOTT + REID GENERAL CONTRACTORS, INC.
DATE REVISED: 2024/02/20

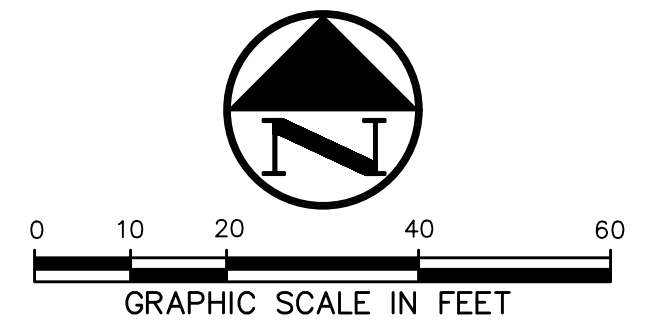
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1	02/20/2024	RECORD DRAWINGS
2	07/21/2022	ASI 07
3	04/15/2022	ASI 01

Pacheco Koch
7557 RAMBLER ROAD SUITE 1400
DALLAS, TX 75231 972.235.3031
TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-10008000

GRADING & DRAINAGE PLAN					
GREENHILL SCHOOL ADDITION					
VALDES STEM + INNOVATION CENTER					
LOT 1R, BLOCK 1					
TOWN OF ADDISON, DALLAS COUNTY, TEXAS					
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE
AGG	JPG	FEB 2022	1"=20'		C3.1

PROJECT NO. 1082-21.191 STRM.DWG
DATE: 2/24/24
DRAWN BY: JAS/DAVID L. PACE
CHECKED BY: JAS/DAVID L. PACE
DATE: 2/24/24

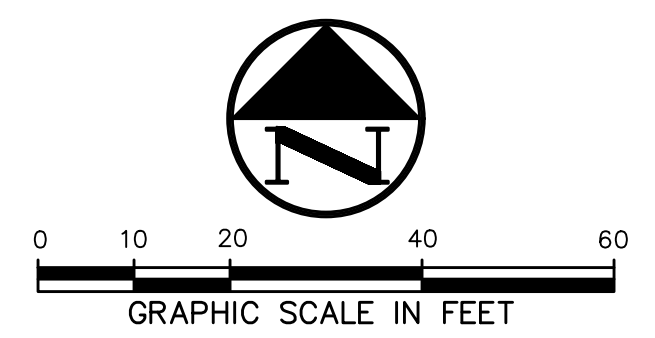
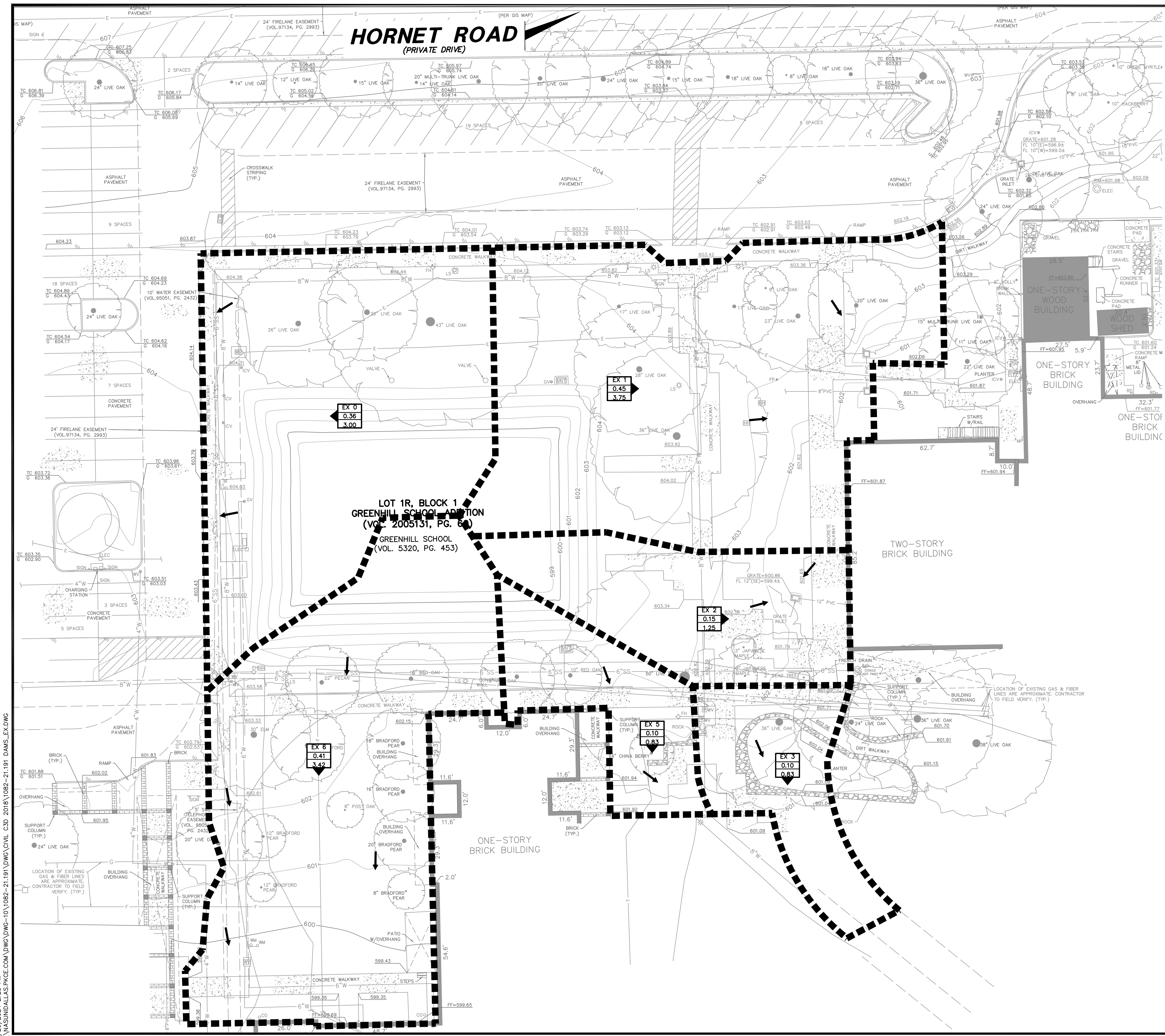
GREENHILL SCHOOL - VALDES STEM + INNOVATION CENTER



LEGEND

BL	BOLLARD
EM	ELECTRIC METER
PP	POWER POLE
LS	LIGHT STANDARD
WM	WATER METER
WV	WATER VALVE
ICV	IRRIGATION CONTROL VALVE
FH	FIRE HYDRANT
CO	CLEANOUT
MH	MANHOLE
TSC	TRAFFIC SIGNAL CONTROL
TSP	TRAFFIC SIGNAL POLE
TELE	TELEPHONE BOX
FL	FLOOD LIGHT
FP	FLAG POLE
TR	TRAFFIC SIGN
IRS	1/2-INCH IRON ROD
(C.M.)	W/"PACHECO KOCH" CAP SET
CHL	CONTROLLING MONUMENT
X	FENCE
OH	OVERHEAD UTILITY LINE
30' R.C.P.	EXISTING STORM LINE
---	UNDERGROUND ELECTRIC LINE
---	UNDERGROUND TELEPHONE LINE
---	UNDERGROUND CABLE LINE
---	UNDERGROUND WATER LINE
---	UNDERGROUND SANITARY SEWER LINE
---	PROPOSED STORM LINE
TI	TOP OF INLET
61.3	EXIST. CONTOUR
400	PROPOSED CONTOUR
---	PROPOSED SWALE
---	PROPOSED GRADE BREAK
---	PROPOSED DRAINAGE FLOW DIRECTION

Line ST-	0	Downstream Station	Upstream Station	Q (cfs)	Pipe Type	Size Box (W x H) Pipe (")	'n" Value	Design Slope (ft/ft)	Upstream Junction Type (1)	Connect or FL	Dwn HGL (Auto Calc)	Up HGL	Up HGL w/ Jump	Dwn FL (Auto Calc)	Up FL	V (fps)	V ² /2g (ft)	S _r	Q _{cap} (cfs)	D _n (ft)	D _p (ft)	V _p (fps)	V _p ² /2g (ft)	Partial Station (2)	Partial Elevation (3)
0+00.00	0+20.70	2.67	Pipe	12"	0.013	0.0066	Wye	Centerlines	Centerlines	597.85	597.97	598.01	596.85	596.99	3.40	0.18	0.0056	2.89	0.76	0.98	3.42	0.18	N/A	N/A	
0+20.70	0+24.70	2.34	Pipe	12"	0.013	0.0066	Bend - 45°	Centerlines	Centerlines	598.01	598.03	598.10	596.99	597.01	2.98	0.14	0.0043	2.89	0.68	N/A	N/A	N/A	N/A	N/A	
0+24.70	0+30.36	2.34	Pipe	12"	0.013	0.0066	Bend - 45°	Soffits	Soffits	598.10	598.12	598.19	597.01	597.05	2.98	0.14	0.0043	2.89	0.68	N/A	N/A	N/A	N/A	N/A	
0+30.36	0+34.35	2.34	Pipe	12"	0.013	0.0066	Wye	Centerlines	Centerlines	598.19	598.21	598.31	597.05	597.08	2.98	0.14	0.0043	2.89	0.68	N/A	N/A	N/A	N/A	N/A	
0+34.35	1+02.38	1.17	Pipe	12"	0.013	0.0066	Wye	Centerlines	Centerlines	598.31	598.38	598.41	597.08	597.53	1.49	0.03	0.0011	2.89	0.44	0.86	1.63	0.04	N/A	N/A	
1+02.38	1+20.87	0.67	Pipe	12"	0.013	0.0066	Wye	Centerlines	Centerlines	598.41	598.42	598.43	597.53	597.65	0.85	0.01	0.0004	2.89	0.33	0.77	1.03	0.02	N/A	N/A	
1+20.87	1+31.16	0.50	Pipe	12"	0.013	0.0066	Bend - 45°	Centerlines	Centerlines	598.43	598.43	598.44	597.65	597.72	0.64	0.01	0.0002	2.89	0.30	0.72	0.83	0.01	N/A	N/A	
1+31.16	1+50.66	0.50	Pipe	12"	0.013	0.0066	None	Centerlines	Centerlines	597.85	598.44	598.44	597.72	597.84	0.64	0.01	0.0002	2.89	0.30	0.60	1.02	0.02	N/A	N/A	
Line ST-	0A	Connects to Line ST-	0	At Station	0+20.70	Junction Type	Wye	Centerlines																	
0+00.00	0+11.31	0.33	Pipe	12"	0.013	0.0069	Bend - 45°	Soffits	Soffits	598.14	598.15	598.15	596.99	597.06	0.42	0.00	0.0001	2.96	0.23	N/A	N/A	N/A	N/A	N/A	
0+11.31	0+68.89	0.33	Pipe	12"	0.013	0.0069	Bend - 45°	Soffits	Soffits	598.15	598.15	598.15	597.06	597.46	0.42	0.00	0.0001	2.96	0.23	0.69	0.57	0.01	N/A	N/A	
0+68.89	0+85.44	0.33	Pipe	12"	0.013	0.0069	Bend - 45°	Soffits	Soffits	598.15	598.16	598.16	597.46	597.58	0.42	0.00	0.0001	2.96	0.23	0.58	0.70	0.01	N/A	N/A	
0+85.44	0+87.98	0.33	Pipe	12"	0.013	0.0069	None	Centerlines	Centerlines	598.95	598.16	598.16	597.58	597.59	0.42	0.00	0.0001	2.96	0.23	0.57	0.72	0.01	N/A	N/A	
Line ST-	0B	Connects to Line ST-	0	At Station	0+34.35	Junction Type	Wye	Centerlines																	
0+00.00	0+07.04	1.17	Pipe	12"	0.013	0.1144	Bend - 45°	Soffits	Soffits	598.31	598.32	598.42	597.08	597.88	1.49	0.03	0.0011	12.05	0.21	0.44	3.57	0.20	N/A	N/A	
0+07.04	0+16.37	1.17	Pipe	12"	0.013	0.1144	None	Centerlines	Centerlines	598.95	598.42	599.16	599.16	597.88	1.49	0.03	0.0011	12.05	0.21	0.21	9.73	1.47	0+09.89	598.42	
Line ST-	0C	Connects to Line ST-	0	At Station	1+02.38	Junction Type	Wye	Centerlines																	
0+00.00	0+05.65	0.50	Pipe	12"	0.013	0.0205	Bend - 45°	Centerlines	Centerlines	598.42	598.42	598.42	597.53	597.64	0.64	0.01	0.0002	5.10	0.21	0.78	0.76	0.01	N/A	N/A	
0+05.65	0+15.80	0.50	Pipe	12"	0.013	0.0205	None	Centerlines	Centerlines	597.85	598.42	598.43	597.64	597.85	0.64	0.01	0.0002	5.10	0.21	0.58	1.07	0.02	N/A	N/A	
Line ST-	1	Downstream Station	Upstream Station	Q (cfs)	Pipe Type	Size Box (W x H) Pipe (")	'n" Value	Design Slope (ft/ft)	Upstream Junction Type	Connect or FL	Dwn HGL	Up HGL	Up HGL w/ Jump	Dwn FL	Up FL	V (fps)	V ² /2g (ft)	S _r	Q _{cap} (cfs)	D _n (ft)	D _p (ft)	V _p (fps)	V _p ² /2g (ft)	Partial Station	Partial Elevation
0+00.00	0+10.82	3.00	Pipe	12"	0.013	0.0040	Bend - 30°	Centerlines	Centerlines	600.30	600.38	600.48	599.30	599.34	3.82	0.23	0.0071	3.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
0+10.82	0+82.06	3.00	Pipe	12"	0.013	0.0040	Wye	Centerlines	Centerlines	600.48	600.98	601.20	599.34	599.63	3.82	0.23	0.0071	3.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
0+82.06	0+86.48	0.58	Pipe	12"	0.013	0.0040	Bend - 45°	Soffits	Soffits	601.20	601.20	601.21	599.63	599.65	0.74	0.01	0.0003	2.25	0.35	N/A	N/A	N/A	N/A	N/A	
0+86.48	0+93.55	0.58	Pipe	12"	0.013	0.0224	Bend - 45°	Soffits	Soffits	601.21	601.21	601.21	599.65	599.80	0.74	0.01	0.0003	5.33	0.22	N/A	N/A	N/A	N/A	N/A	
0+93.55	1+11.03	0.58	Pipe	12"	0.013	0.0224	None	Centerlines	Centerlines	600.20	601.21	601.22	599.80	600.20	0.74	0.01	0.0003	5.33	0.22	N/A	N/A	N/A	N/A	N/A	
Line ST-	2	Downstream Station	Upstream Station	Q (cfs)	Pipe Type	Size Box (W x H) Pipe (")	'n" Value	Design Slope (ft/ft)	Upstream Junction Type	Connect or FL	Dwn HGL	Up HGL	Up HGL w/ Jump	Dwn FL	Up FL	V (fps)	V ² /2g (ft)	S _r	Q _{cap} (cfs)	D _n (ft)	D _p (ft)	V _p (fps)	V _p ² /2g (ft)	Partial Station	Partial Elevation
0+00.00	0+40.65	2.08	Pipe	12"	0.013	0.0069	None	Centerlines	Centerlines	599.60	600.35	600.49	600.49	599.35	599.63	2.65	0.11	0.0034	2.96	0.62	0.86	2.90	0.13	N/A	N/A
Line ST-	5	Downstream Station	Upstream Station	Q (cfs)	Pipe Type	Size Box (W x H) Pipe (")	'n" Value	Design Slope (ft/ft)	Upstream Junction Type	Connect or FL	Dwn HGL	Up HGL	Up HGL w/ Jump	Dwn FL	Up FL	V (fps)	V ² /2g (ft)	S _r	Q _{cap} (cfs)	D _n (ft)	D _p (ft)	V _p (fps)	V _p ² /2g (ft)	Partial Station	Partial Elevation
0+00.00	0+06.51	4.46	Pipe	12"	0.013	0.0104	Bend - 30°	Centerlines	Centerlines	596.50	596.60	596.83	595.25	595.32	5.68	0.50	0.0157	4.46	N/A	N/A	N/A	N/A	N/A	N/A	N/A
0+06.51	0+22.19	4.46	Pipe	12"	0.013	0.0104	Wye	Centerlines	Centerlines	596.83	597.07	597.14	595.32	595.48	5.68	0.50	0.0157	4.46	N/A	N/A	N/A	N/A	N/A	N/A	N/A
0+22.19	0+86.92	4.15	Pipe	12"	0.013	0.0104	Inlet	Centerlines	Centerlines	596.15	597.14	598.02	595.48	596.15	5.28	0.43	0.0136	4.15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Line ST-	6	Downstream Station	Upstream Station	Q (cfs)	Pipe Type	Size Box (W x H) Pipe (")	'n" Value	Design Slope (ft/ft)	Upstream Junction Type	Connect or FL	Dwn HGL	Up HGL	Up HGL w/ Jump	Dwn FL	Up FL	V (fps)	V ² /2g (ft)	S _r	Q _{cap} (cfs)	D _n (ft)	D _p (ft)	V _p (fps)	V _p ² /2g (ft)	Partial Station	Partial Elevation
0+00.00	0+24.16	3.76	Pipe	12"	0.013	0.0030	Bend - 45°	Soffits	Soffits	598.75	599.02	599.20	596.15	596.22	4.79	0.36	0.0111	3.76	N/A	N/A	N/A	N/A	N/A	N/A	N/A
0+24.16	0+65.91	3.76	Pipe	12"	0.013	0.0030	Bend - 45°	Soffits	Soffits	599.20	599.66	599.84	596.22	596.35	4.79	0.36	0.0111	3.76	N/A	N/A	N/A	N/A	N/A	N/A	N/A
0+65.91	1+03.69	3.76	Pipe	12"	0.013	0.0030	Bend - 45°	Soffits	Soffits	599.84	600.26	600.44	596.35	596.46	4.79	0.36	0.0111	3.76	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1+03.69	1+16.56	3.76	Pipe	12"	0.013	0.0030	Bend - 45°	Soffits	Soffits	600.44	600.58	600.76	596.46	596.50	4.79	0.36	0.0111	3.76	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1+16.56	2+02.36	2.80	Pipe	12"	0.013	0.0173	Bend - 45°	Soffits	Soffits	600.76	601.29	601.39	596.50	597.98	3.57	0.20	0.0062	4.69	0.56	N/A	N/A	N/A	N/A	N/A	N/A
2+02.36	2+74.46	2.80	Pipe	12"	0.013	0.0030	None	Centerlines	Centerlines	598.20	601.39	601.83	597.98	598.20	3.57	0.20	0.0062	2.80	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Line ST-	0D	Connects to Line ST-	0	At Station	1+20.87	Junction Type	Wye	Centerlines																	
0+00.00	0+05.65	0.17	Pipe	12"	0.013	0.0124	Bend - 45°	Soffits	Soffits	598.44	598.44	598.44	597.65	597.72	0.22	0.00	0.0000	3.97	0.14	0.72	0.28	0.00	N/A	N/A	
0+05.65	0+16.08	0.17	Pipe	12"	0.013	0.0124	None	Centerlines	Centerlines	597.85	598.44	598.44	597.72	597.85	0.22	0.00	0.0000	3.97	0.14	0.59	0.35	0.00	N/A	N/A	
Line ST-	1A	Connects to Line ST-	1	At Station	0+82.06	Junction Type	Wye	Centerlines																	
0+00.00	0+07.57	2.42	Pipe	12"	0.013	0.0030	Bend - 45°	Soffits	Soffits	601.06	601.10	601.17	599.63	599.65	3.08	0.15	0.0046	2.42	N/A	N/A	N/A	N/A	N/A	N/A	N/A
0+07.57	0+24.00	2.42	Pipe	12"	0.013	0.0030	Inlet	Centerlines	Centerlines	599.70	601.17	601.25	601.47	599.65	3.08	0.15	0.0046	2.42	N/A	N/A	N/A				



LEGEND

BL	BOLLARD
EM	ELECTRIC METER
PP	POWER POLE
LS	LIGHT STANDARD
WM	WATER METER
WV	WATER VALVE
ICV	IRRIGATION CONTROL VALVE
FHC	FIRE HYDRANT
CO	CLEANOUT
MH	MANHOLE
TSC	TRAFFIC SIGNAL CONTROL
TSP	TRAFFIC SIGNAL POLE
TELE	TELEPHONE BOX
FL	FLOOD LIGHT
FP	FLAG POLE
SIG	TRAFFIC SIGN
---	PROPERTY LINE
-X-	FENCE
-61.3-	EXISTING CONTOUR
→	DRAINAGE FLOW DIRECTION
---	100-YR FLOODPLAIN LIMITS
---	DRAINAGE DIVIDE

EX 8	EXISTING DRAINAGE AREA ID
1.00	AREA IN ACRES
7.99	Q ₁₀₀ IN CUBIC FEET PER SECOND

DRAINAGE AREA TABLE

DRAINAGE AREA ID	AREA (acres)	C	T _c (min)	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)	COMMENTS
EX 0	0.36	0.90	10	9.27	3.00	DRAINS WEST TO PARKING LOT
EX 1	0.45	0.90	10	9.27	3.75	DRAINS EAST TO EXIST. INLET
EX 2	0.15	0.90	10	9.27	1.25	DRAINS EAST TO EXIST. INLET
EX 3	0.10	0.90	10	9.27	0.83	DRAINS SOUTH TO EXIST. INLET
EX 5	0.10	0.90	10	9.27	0.83	DRAINS SOUTH TO EXIST. INLET
EX 6	0.41	0.90	10	9.27	3.42	DRAINS SOUTH TO EXIST. INLET

NOTE:
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RECORD DRAWING

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ATTESTED BY:
SIGNATURE: *Greg Gerbig*
ENGINEER OF RECORD: GREG GERBIG, P.E. 118740
CONTRACTOR: SCOTT + REID GENERAL CONTRACTORS, INC.
DATE REVISED: 2024/02/20

NO.	DATE	REVISION
	02/20/2024	RECORD DRAWINGS

Pacheco Koch 7557 RAMBLER ROAD SUITE 1400 DALLAS, TX 75231 972.235.3031 TX REG. ENGINEERING FIRM F-469 TX REG. SURVEYING FIRM LS-10008000

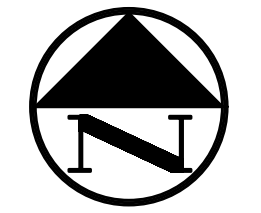
EXIST. DRAINAGE AREA MAP
GREENHILL SCHOOL ADDITION
VALDES STEM + INNOVATION CENTER
LOT 1R, BLOCK 1
TOWN OF ADDISON, DALLAS COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
AGG	JPG	FEB 2022	1"=20'			C4.1

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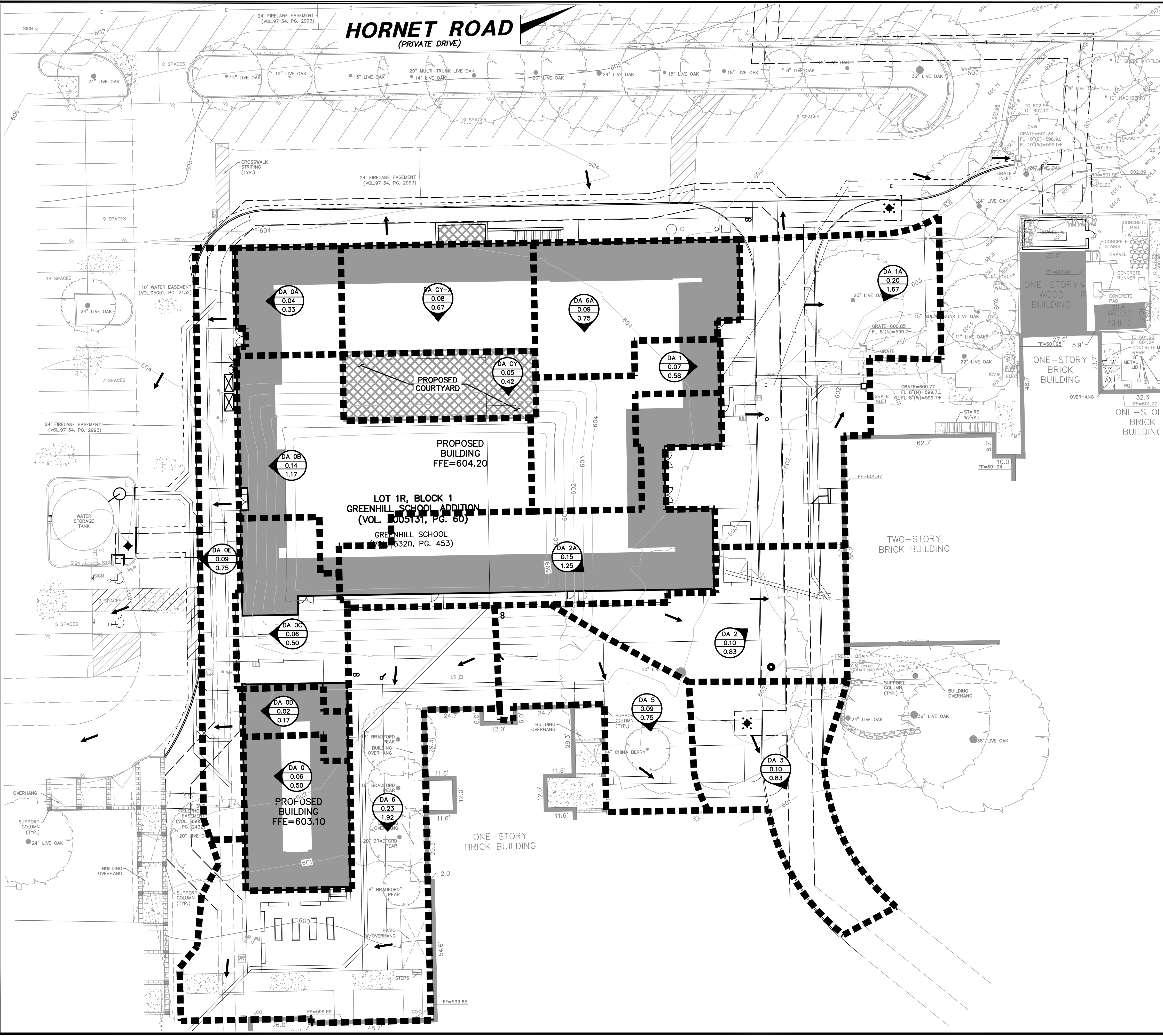
GREENHILL SCHOOL - VALDES STEM + INNOVATION CENTER

HORNET ROAD (PRIVATE DRIVE)



LEGEND

- BOLLARD
- ELECTRIC METER
- POWER POLE
- LIGHT STANDARD
- WATER VALVE
- WATER VALVE
- IRRIGATION CONTROL VALVE
- FIRE HYDRANT
- MANHOLE
- CLEANOUT
- TRAFFIC SIGNAL CONTROL
- TRAFFIC SIGNAL POLE
- FLOOD LIGHT
- PHONE BOX
- FLAG POLE
- TRAFFIC SIGN
- PROPERTY LINE
- FENCE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DRAINAGE FLOW DIRECTION
- DRAINAGE DIVIDE
- PROPOSED DRAINAGE AREA ID
- AREA IN ACRES
- Q₁₀₀ IN CUBIC FEET PER SECOND



DRAINAGE AREA TABLE						COMMENTS
DRAINAGE AREA ID	AREA (acres)	C	T _c (min)	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)	
DA 0A	0.06	0.90	10	9.27	0.50	DRAINS WEST TO WATER STORAGE TANK
DA 0B	0.04	0.90	10	9.27	0.33	DRAINS WEST TO WATER STORAGE TANK
DA 0C	0.14	0.90	10	9.27	1.17	DRAINS WEST TO WATER STORAGE TANK
DA 0D	0.06	0.90	10	9.27	0.50	DRAINS WEST TO WATER STORAGE TANK
DA 0E	0.02	0.90	10	9.27	0.17	DRAINS WEST TO WATER STORAGE TANK
DA 0F	0.09	0.90	10	9.27	0.75	DRAINS WEST TO PARKING LOT
DA 1	0.07	0.90	10	9.27	0.58	DRAINS EAST VIA ROOF DRAIN
DA 1A	0.20	0.90	10	9.27	1.67	DRAINS TO INLET & TRENCH DRAIN
DA 2	0.10	0.90	10	9.27	0.83	DRAINS EAST TO LANDSCAPE INLETS
DA 2A	0.15	0.90	10	9.27	1.25	DRAINS TO DA 2 VIA ROOF DRAIN
DA 3	0.10	0.90	10	9.27	0.83	DRAINS SOUTH TO EXIST. INLET
DA 5	0.09	0.90	10	9.27	0.75	DRAINS SOUTH TO EXIST. INLET
DA 6	0.23	0.90	10	9.27	1.92	DRAINS TO SOUTH TO EXISTING STORM SYSTEM
DA 6A	0.09	0.90	10	9.27	0.75	DRAINS TO DA 6 VIA ROOF DRAIN
DA CY	0.05	0.90	10	9.27	0.42	COURTYARD OVERFLOW DRAINS SOUTH TO DA 6
DA CY-A	0.08	0.90	10	9.27	0.67	DRAINS TO COURTYARD

NOTE:
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RECORD DRAWING

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ATTESTED BY:
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DATE REVISED: 2024/02/20

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	02/20/2024	RECORD DRAWINGS

Pacheco Koch 7557 RAMBLER ROAD SUITE 1400 DALLAS, TX 75231 972.235.3031 TX REG. ENGINEERING FIRM F-469 TX REG. SURVEYING FIRM LS-10008000

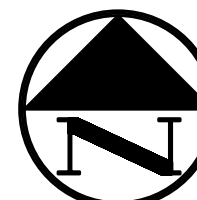
**PROP. DRAINAGE AREA MAP
GREENHILL SCHOOL ADDITION
VALDES STEM + INNOVATION CENTER
LOT 1R, BLOCK 1
TOWN OF ADDISON, DALLAS COUNTY, TEXAS**

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
AGG	JPG	FEB 2022	1"=20'			C4.2

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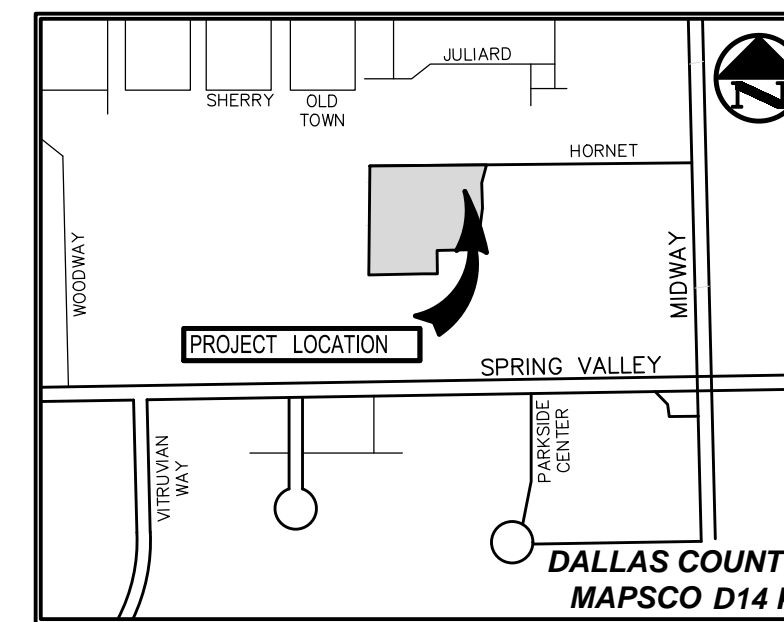
GREENHILL SCHOOL - VALDES STEM + INNOVATION CENTER

HORNET ROAD (PRIVATE DRIVE)



0 10 20 40 60
GRAPHIC SCALE IN FEET

- LEGEND**
- B. BOLLARD
 - EM. ELECTRIC METER
 - FP. POWER POLE
 - LS. LIGHT STANDARD
 - WM. WATER METER
 - WV. WATER VALVE
 - ICV. IRRIGATION CONTROL VALVE
 - FHC. FIRE HYDRANT CLEANOUT
 - CS. CATCH BASIN
 - MH. MANHOLE
 - TSC. TRAFFIC SIGNAL CONTROL
 - TELE. TELEPHONE BOX
 - FL. FLOOD LIGHT
 - FP. FLAG POLE
 - TR. TRAFFIC SIGN
 - IR. 1/2-INCH IRON ROD
 - W/P. W/PACHECO KOCH CAP SET
 - CM. CONTROLLING MONUMENT
 - PR. PROPERTY LINE
 - F. FENCE
 - OH. OVERHEAD UTILITY LINE
 - UE. UNDERGROUND ELECTRIC LINE
 - UT. UNDERGROUND TELEPHONE LINE
 - UC. UNDERGROUND CABLE LINE
 - UW. UNDERGROUND WATER LINE
 - US. UNDERGROUND SANITARY SEWER LINE
 - WV. PROP. WATER VALVE
 - PH. PROP. FIRE HYDRANT
 - W/B. PROP. WATER LINE W/ BEND
 - SSL. PROP. SANITARY SEWER LINE
 - SMH. PROP. SANITARY SEWER MANHOLE
 - SC. PROP. SANITARY SEWER CLEANOUT



NOTE:
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NOTE:
CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES (SURFACE & UNDERGROUND) PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REMOVE/RELOCATE AND/OR ADJUST ALL IN SERVICE EXISTING UTILITIES & APPURTENANCES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD.

NOTE:
ALL PROPOSED SANITARY SEWER LINES & STRUCTURES ARE PRIVATE AND SHALL NOT BE OWNED OR MAINTAINED BY THE TOWN OF ADDISON.

COORDINATE!!

CONTACT:

DIG-TESS	1-800-DIG-TESS
ATMOS ENERGY	1-800-332-8667
ONCOR ELECTRIC	972-888-1359
AT&T	1-817-589-1056
CHARTER SPECTRUM	1-817-205-8177
TXU	1-800-711-9112
TEXAS ONE CALL	811
48 HOURS PRIOR TO CONSTRUCTION	

RECORD DRAWING

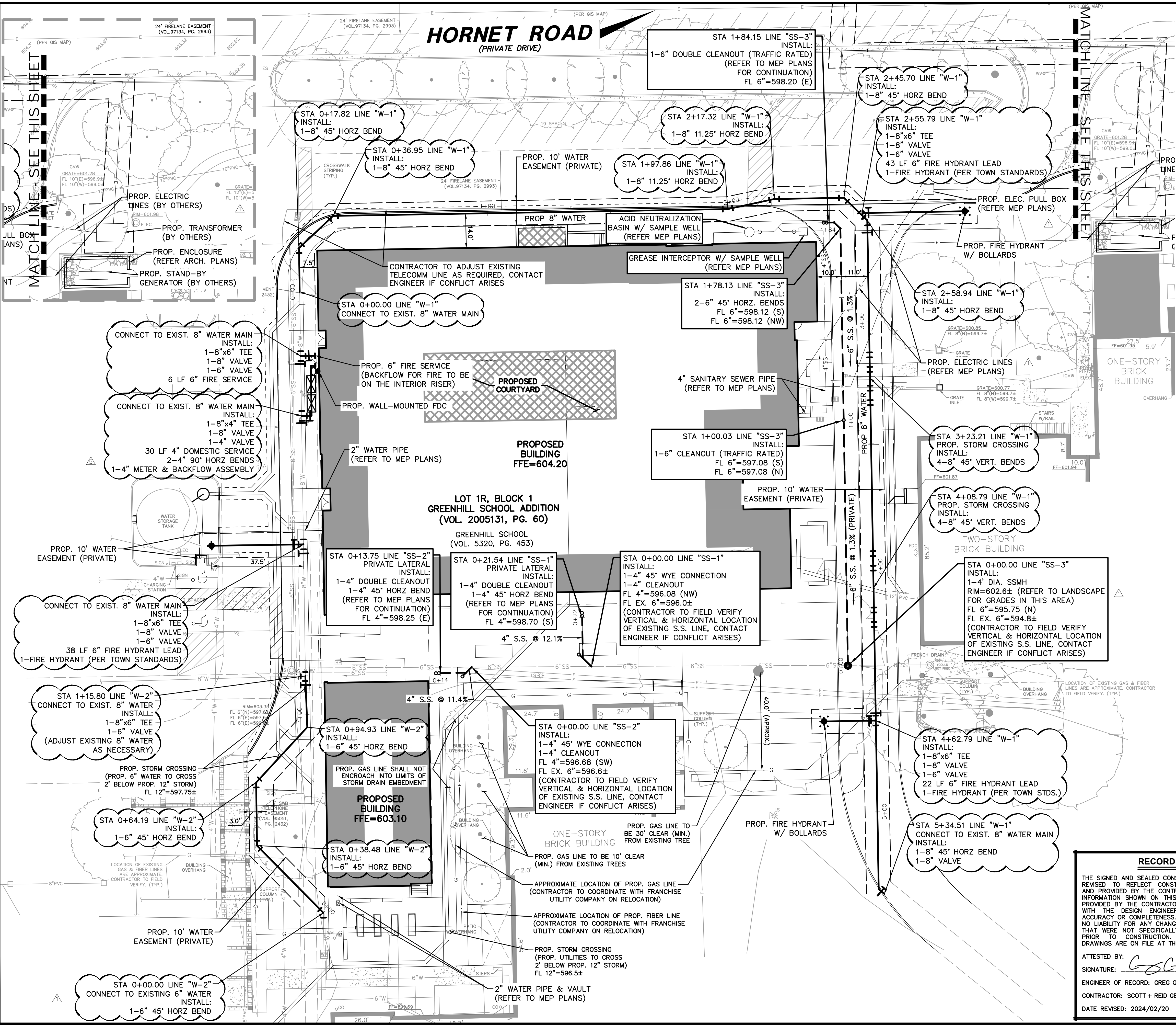
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ATTESTED BY: *[Signature]*
SIGNATURE: _____
ENGINEER OF RECORD: GREG GERBIG, P.E. 118740
CONTRACTOR: SCOTT & REID GENERAL CONTRACTORS, INC.
DATE REVISED: 2024/02/20

NO.	DATE	REVISION
02/20/2024		RECORD DRAWINGS
10/19/2022		RFI 100
04/15/2022		ASI 01

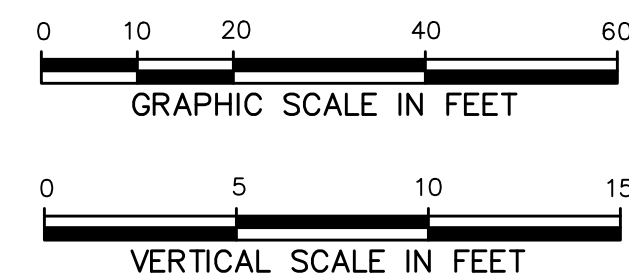
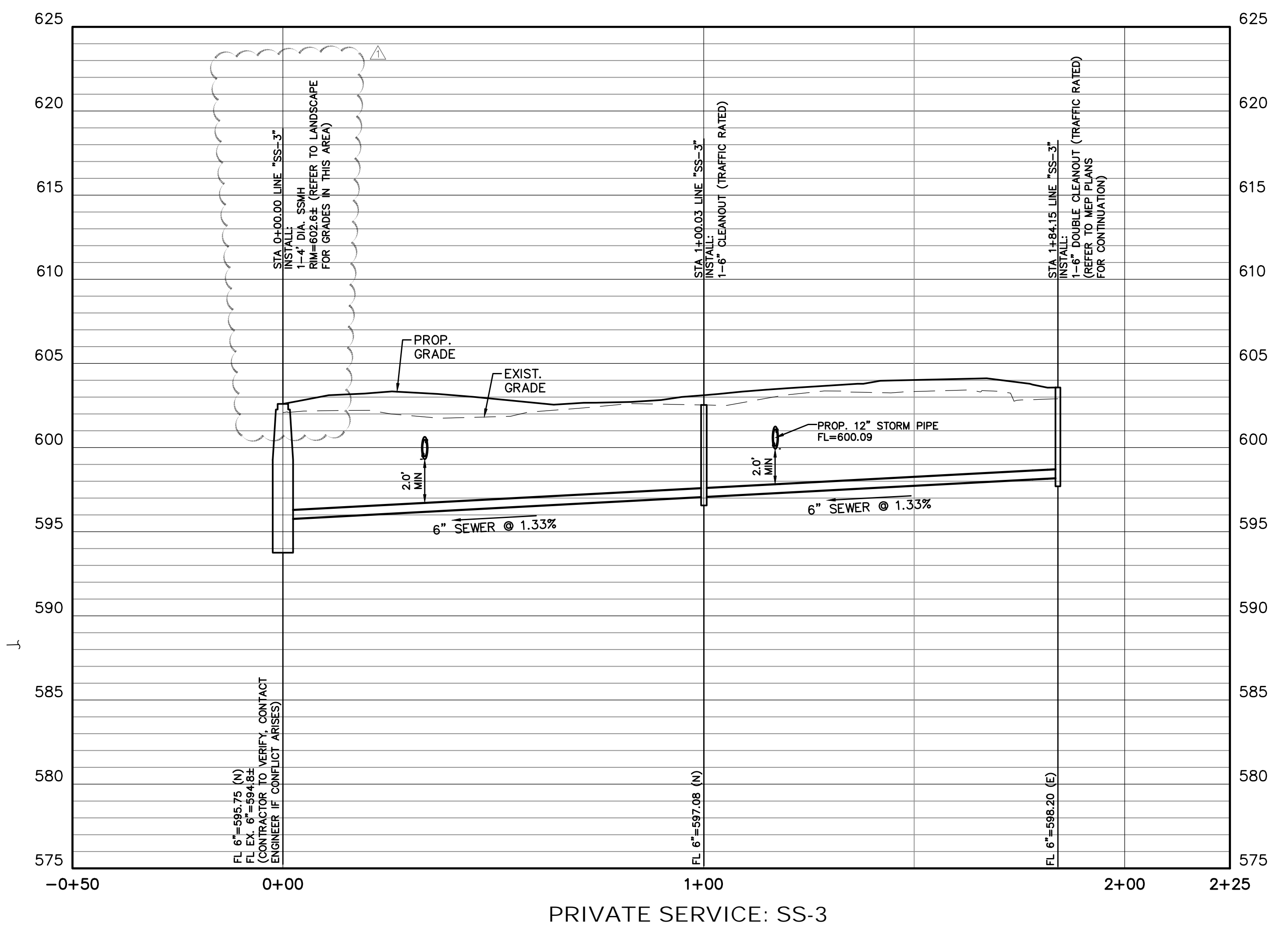
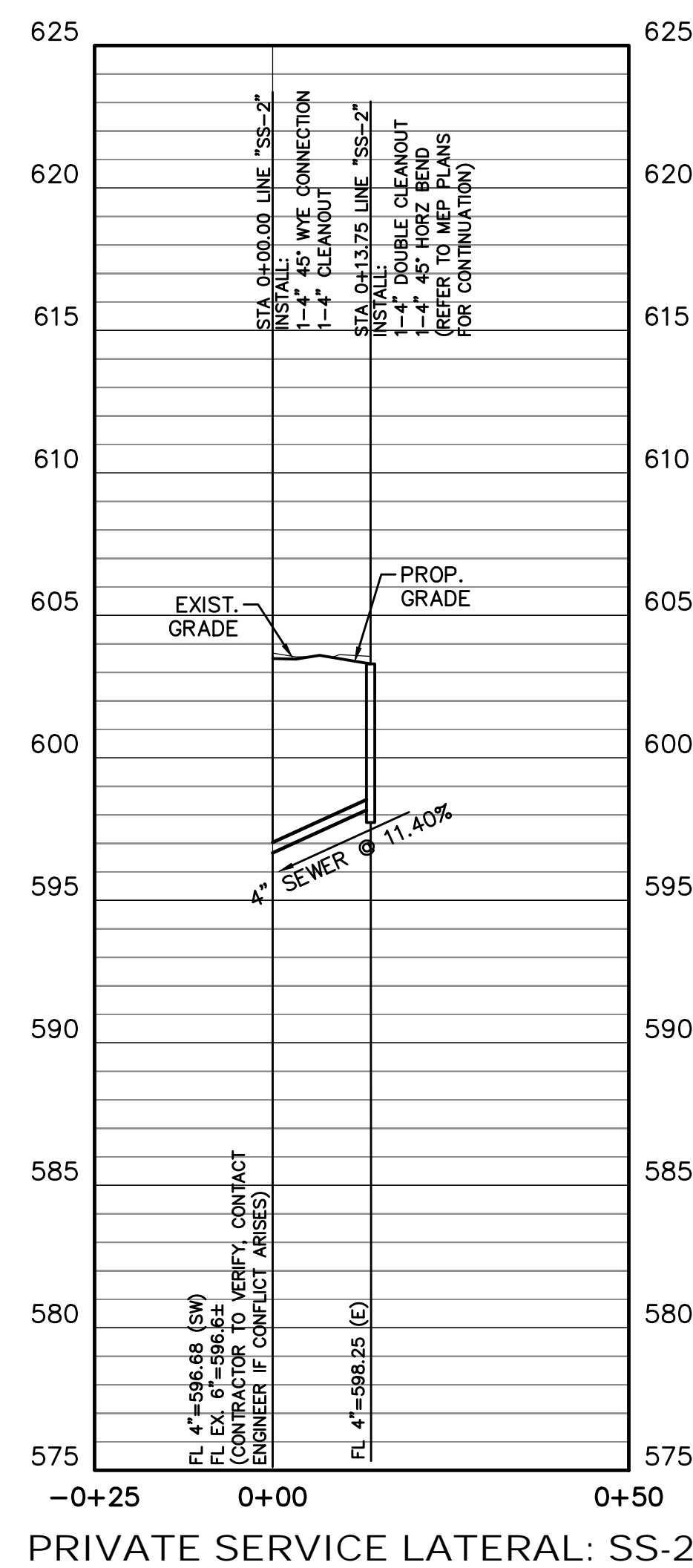
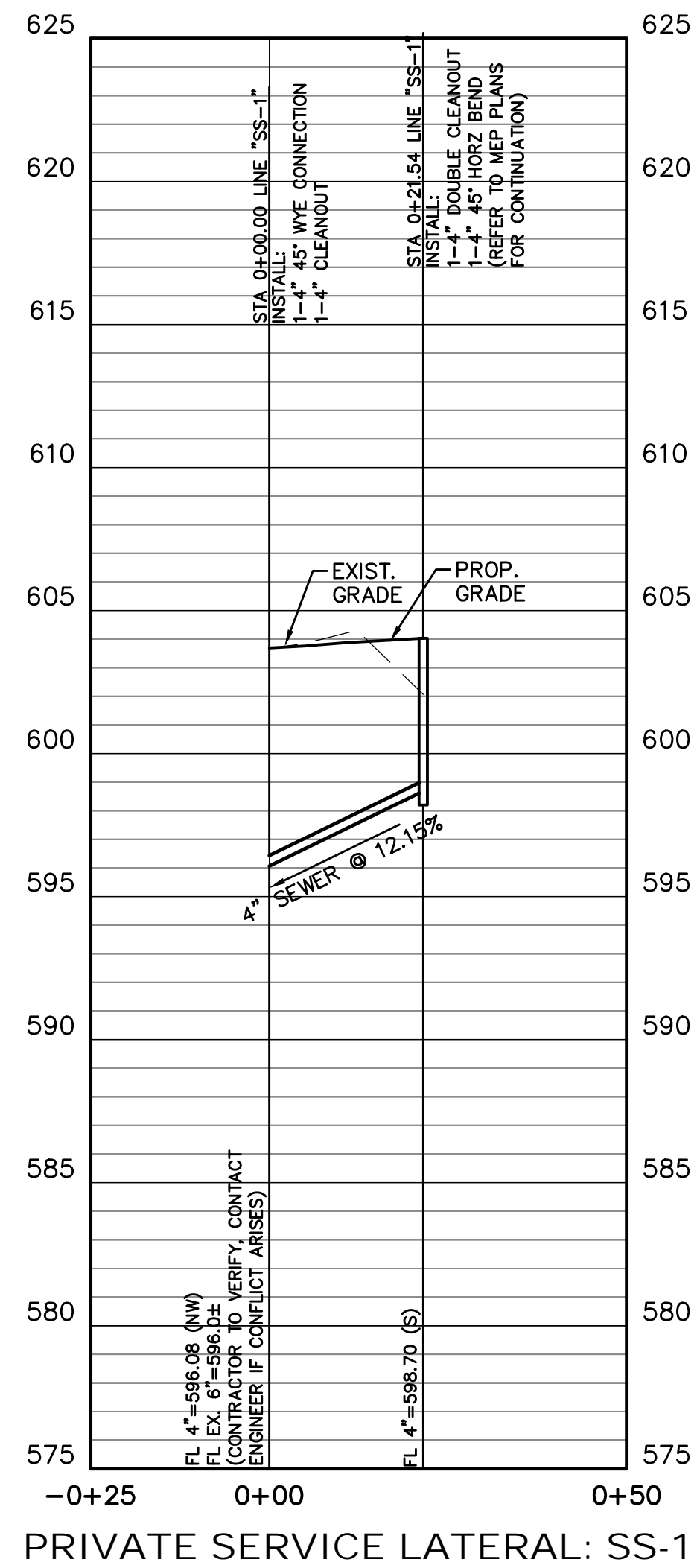
Pacheco Koch 7557 RAMBLER ROAD SUITE 1400
DALLAS, TX 75231 972.235.3031
TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-10008000

UTILITY PLAN						
GREENHILL SCHOOL ADDITION						
VALDES STEM + INNOVATION CENTER						
LOT 1R, BLOCK 1						
TOWN OF ADDISON, DALLAS COUNTY, TEXAS						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
AGG	JPG	FEB 2022	1"=20'			C5.1



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GREENHILL SCHOOL - VALDES STEM + INNOVATION CENTER



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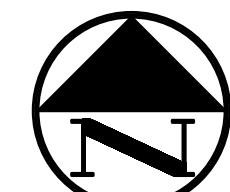
NO.	DATE	REVISION
△	02/20/2024	RECORD DRAWINGS
△	04/15/2022	ASI 01

Pacheco Koch
 7557 RAMBLER ROAD SUITE 1400
 DALLAS, TX 75231 972.235.3031
 TX REG. ENGINEERING FIRM F-469
 TX REG. SURVEYING FIRM LS-10008000

UTILITY PROFILES
GREENHILL SCHOOL ADDITION
VALDES STEM + INNOVATION CENTER
 LOT 1R, BLOCK 1
TOWN OF ADDISON, DALLAS COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
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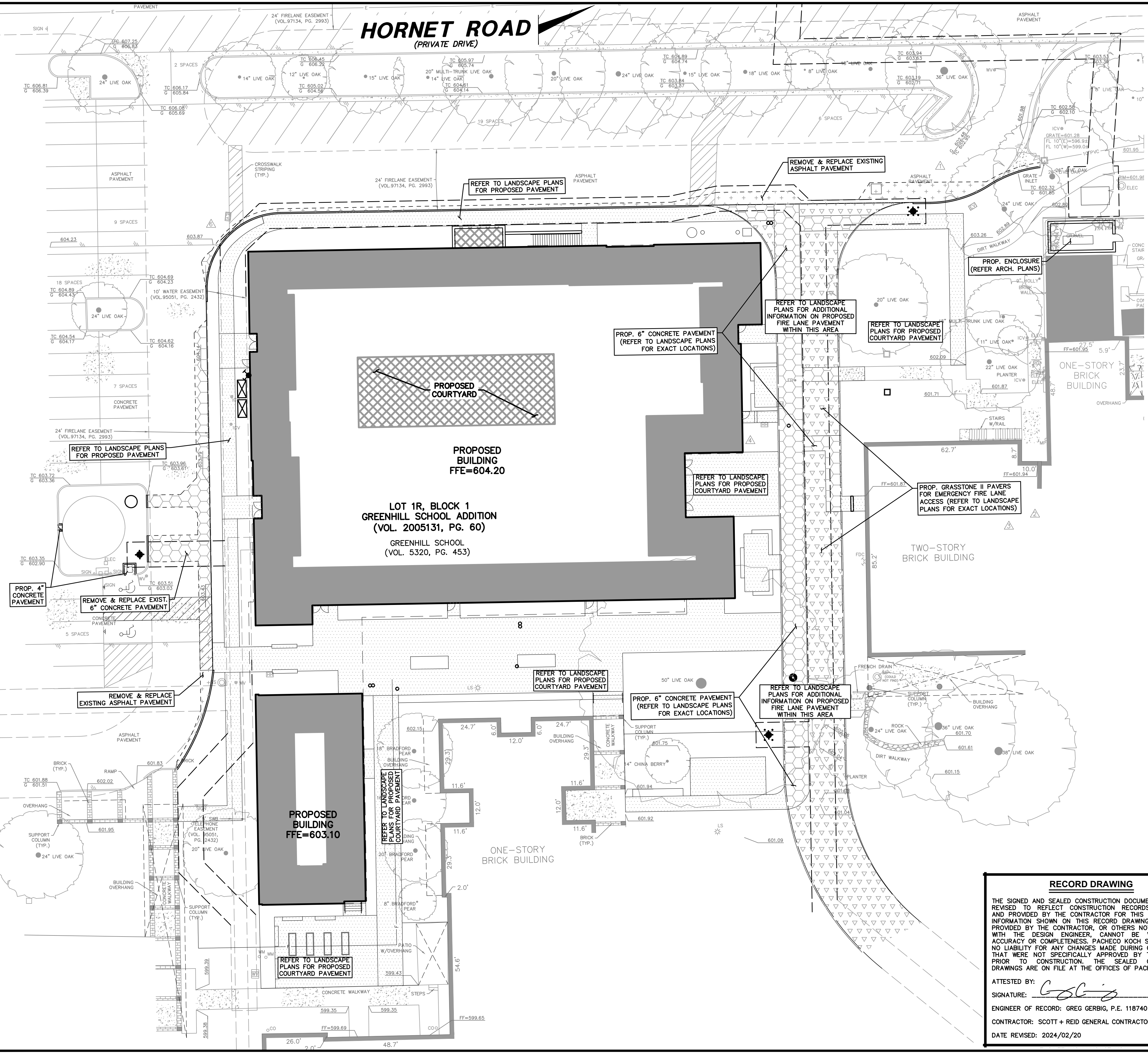
HORNET ROAD (PRIVATE DRIVE)



LEGEND

- BL BOLLARD
- EM ELECTRIC METER
- PP POWER POLE
- LS LIGHT STANDARD
- WM WATER METER
- WV WATER VALVE
- ICV IRRIGATION CONTROL VALVE
- FH FIRE HYDRANT
- CO CLEANOUT
- MH MANHOLE
- TSC TRAFFIC SIGNAL CONTROL
- TSP TRAFFIC SIGNAL POLE
- TELE TELEPHONE BOX
- FL FLOOD LIGHT
- FP FLAG POLE
- TR TRAFFIC SIGN
- IR 1/2-INCH IRON ROD
- W/PACHECO KOCH" CAP SET
- CM CONTROLLING MONUMENT
- PL PROPERTY LINE
- F FENCE
- FL FIRE LANE
- FR FIRE LANE, 6" REINFORCED CONCRETE PVMT (CLASS "P1", 4000 PSI OR CLASS "P2", 4500 PSI)
- FP FIRE LANE, PARKING AREA MATCH EXISTING ASPHALT PVMT PER TOWN STANDARDS
- FR REFER TO LANDSCAPE PLANS FOR PROPOSED PAVEMENT
- FR FIRE LANE, GRASSSTONE II PAVERS FOR EMERGENCY FIRE LANE ACCESS (REFER TO SHEET C6.2, DETAIL 13 & LANDSCAPE PLANS FOR ADDITIONAL PROP. FIRE LANE PAVEMENT INFORMATION)

- FIRE LANE PAVING NOTES:**
1. 6" THICK CLASS "P1" (4000 PSI) OR "P2" (4500 PSI) CONCRETE PER NCTCOG ITEM 303.3.4.2(A) WITH #3 BARS 18" O.C.E.W OR #4 BARS 24" O.C.E.W
 2. SUBGRADE PER TOWN GENERAL PAVING NOTES, SD-P01.



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CONTRACTOR: SCOTT & REID GENERAL CONTRACTORS, INC.

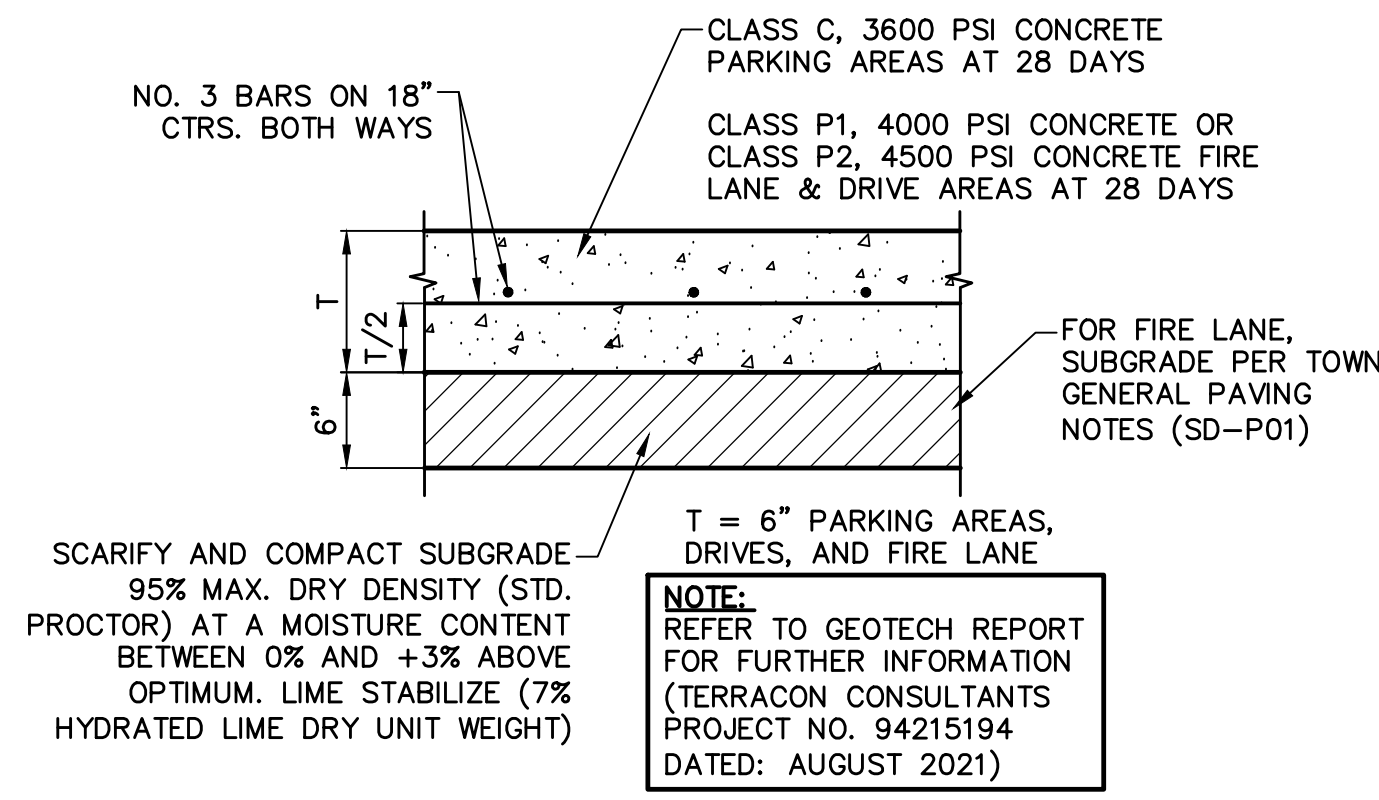
DATE REVISED: 2024/02/20

NO.	DATE	REVISION
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3	05/17/2022	ASI 04
4	04/21/2022	ASI 02
5	04/15/2022	ASI 01

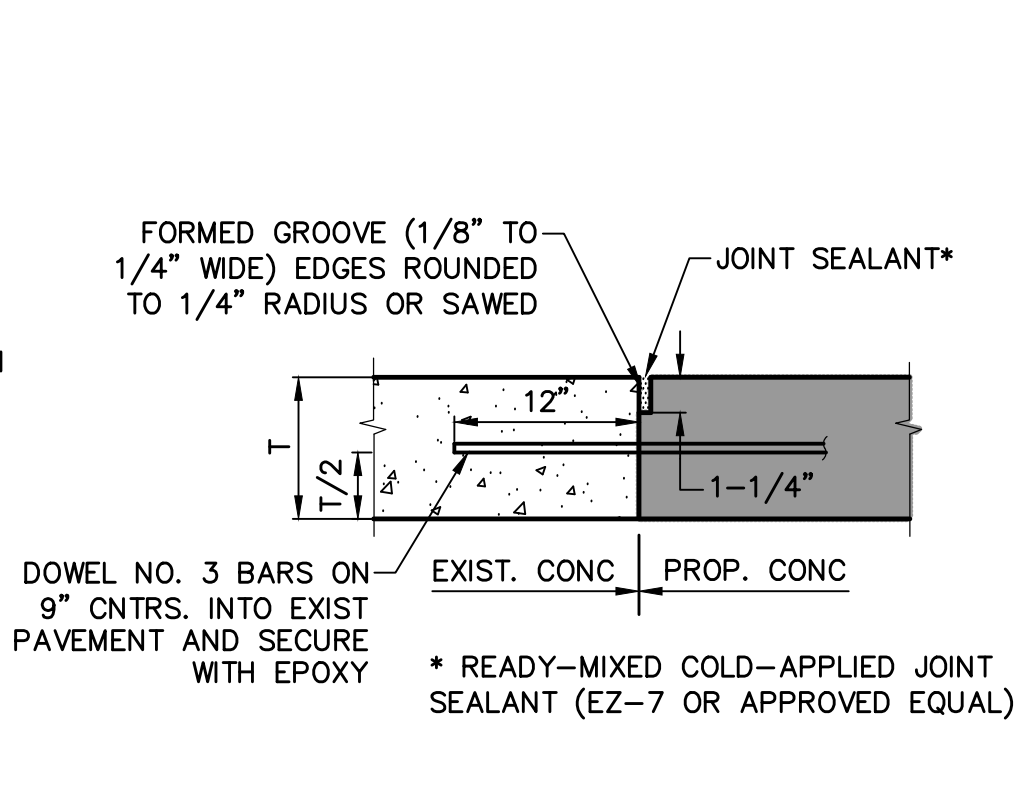
Pacheco Koch 7557 RAMBLER ROAD SUITE 1400
DALLAS, TX 75231 972.235.3031
TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-10008000

PAVING PLAN						
GREENHILL SCHOOL ADDITION						
VALDES STEM + INNOVATION CENTER						
LOT 1R, BLOCK 1						
TOWN OF ADDISON, DALLAS COUNTY, TEXAS						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
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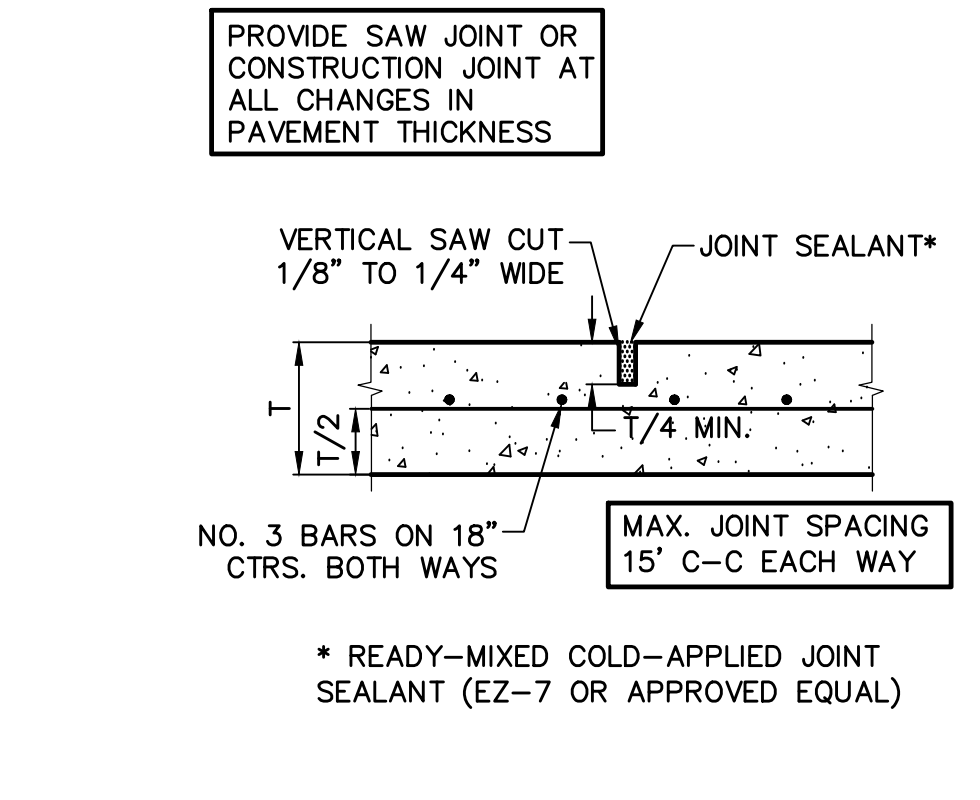
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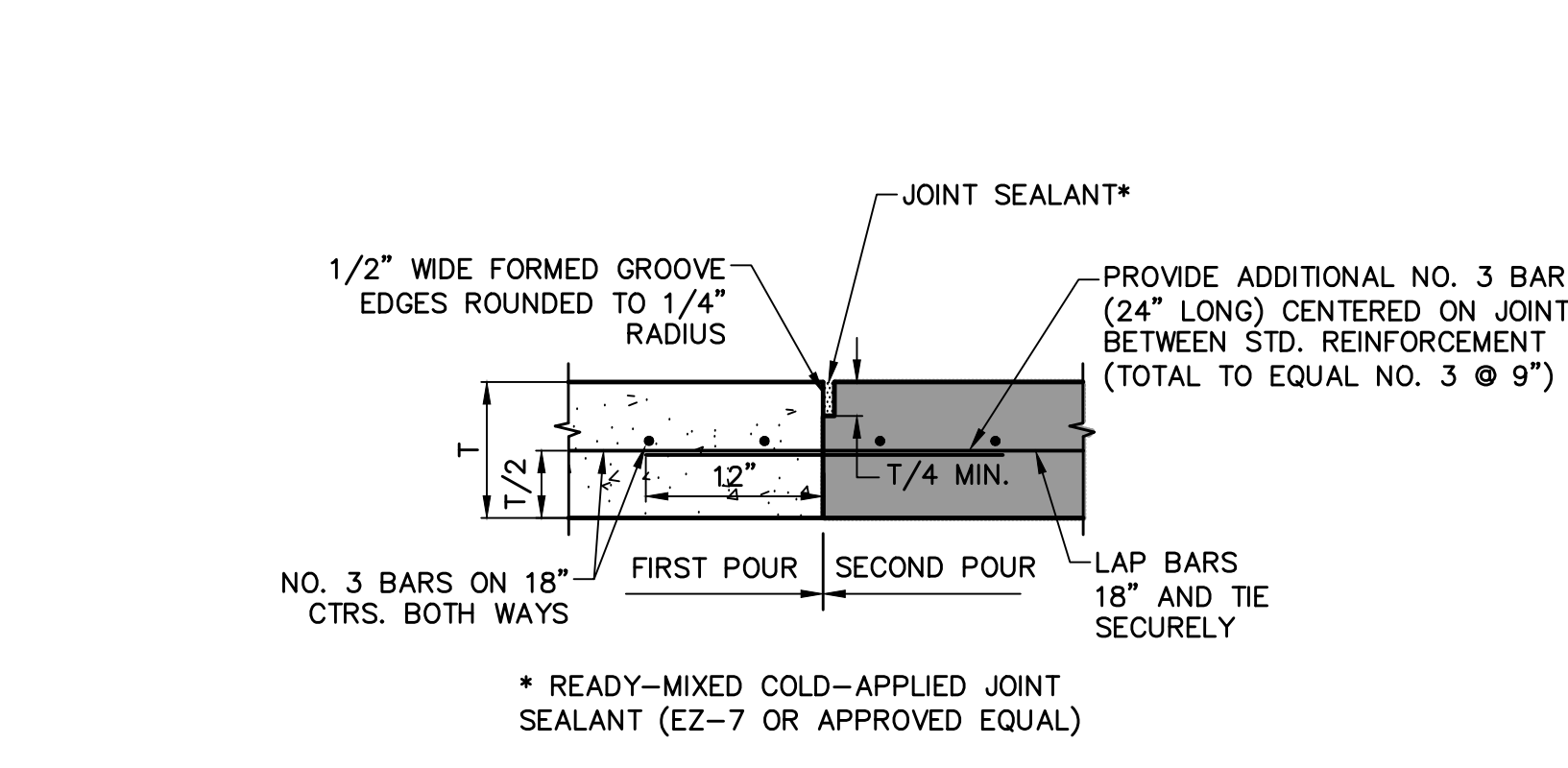
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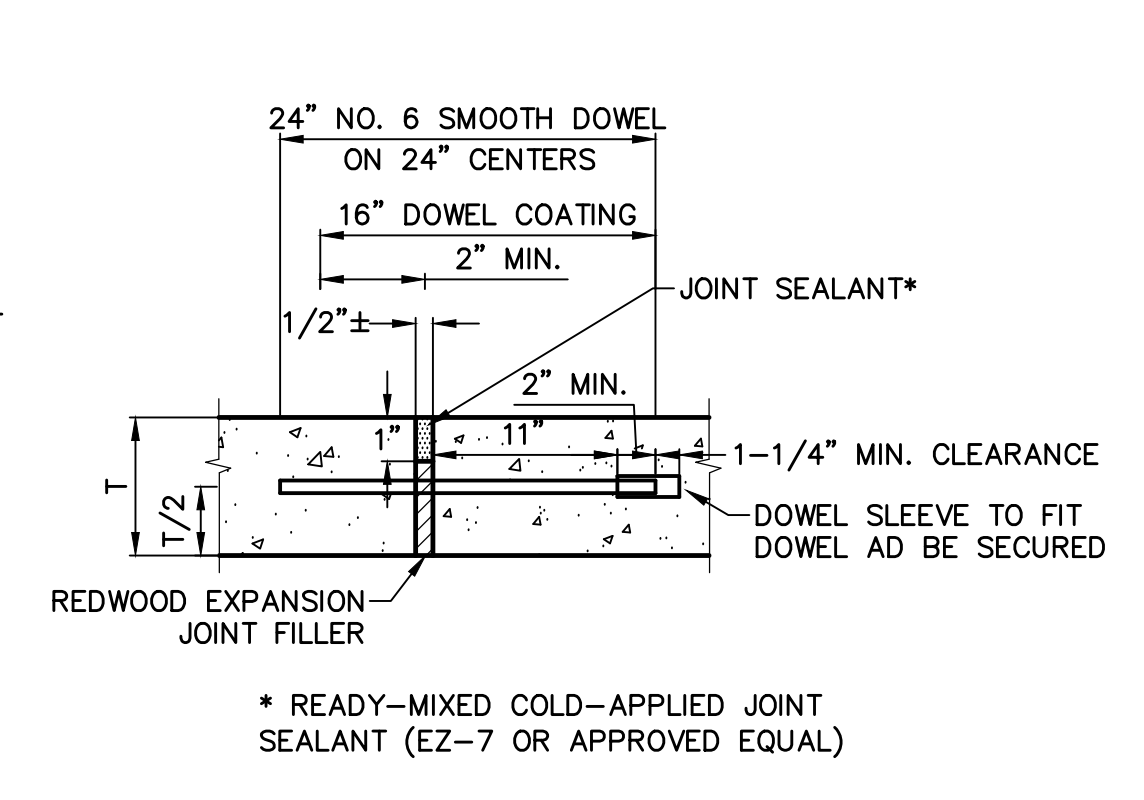
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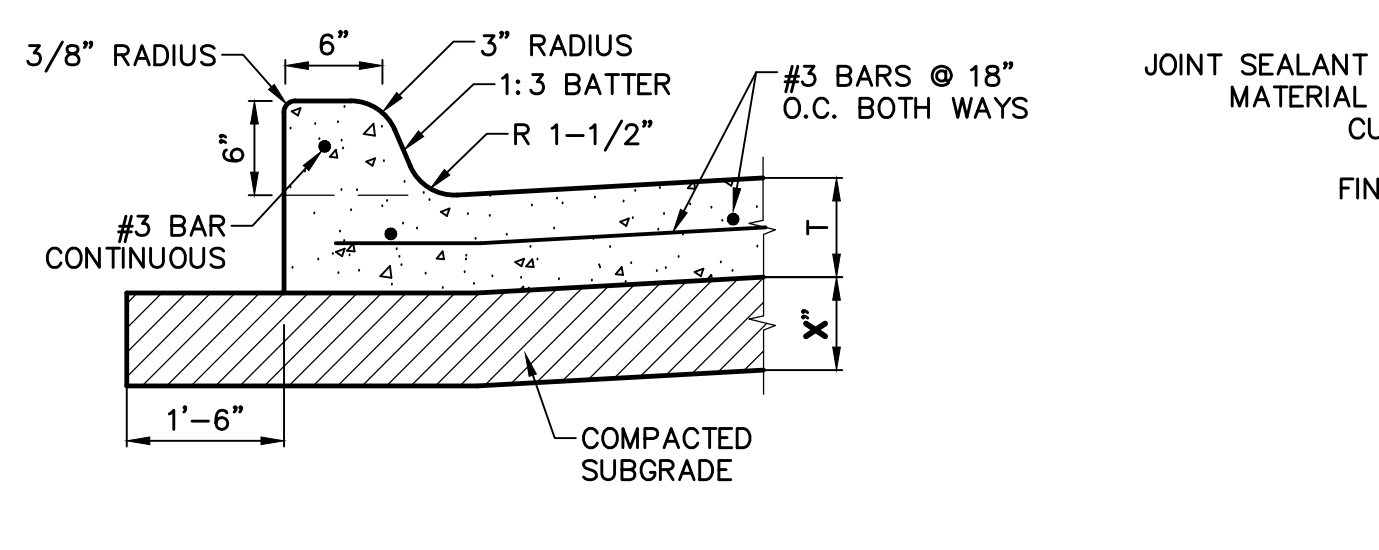
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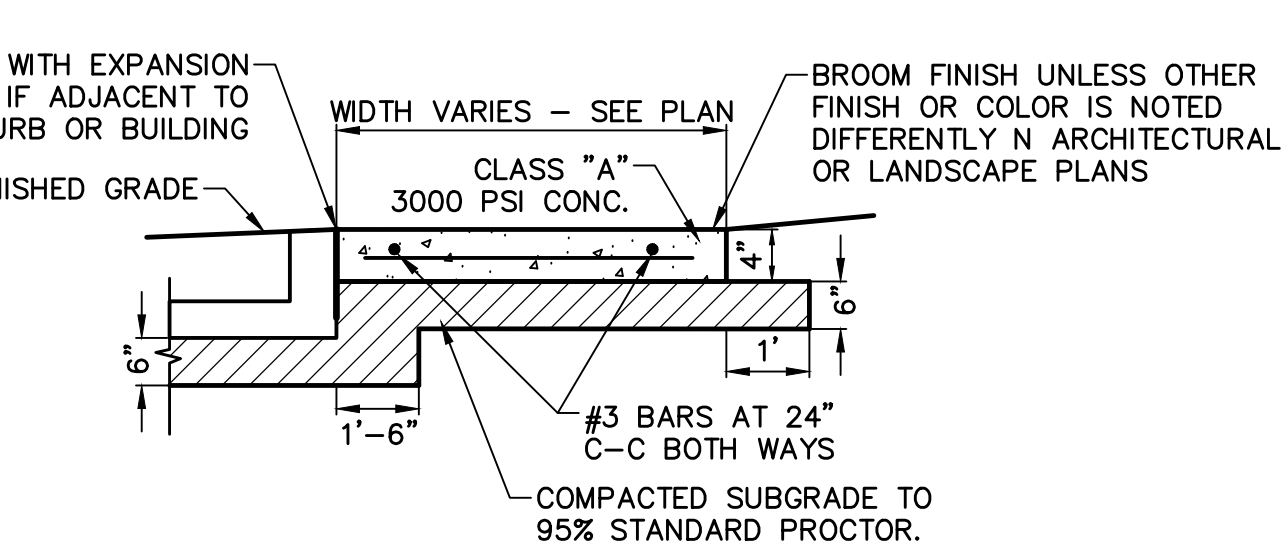
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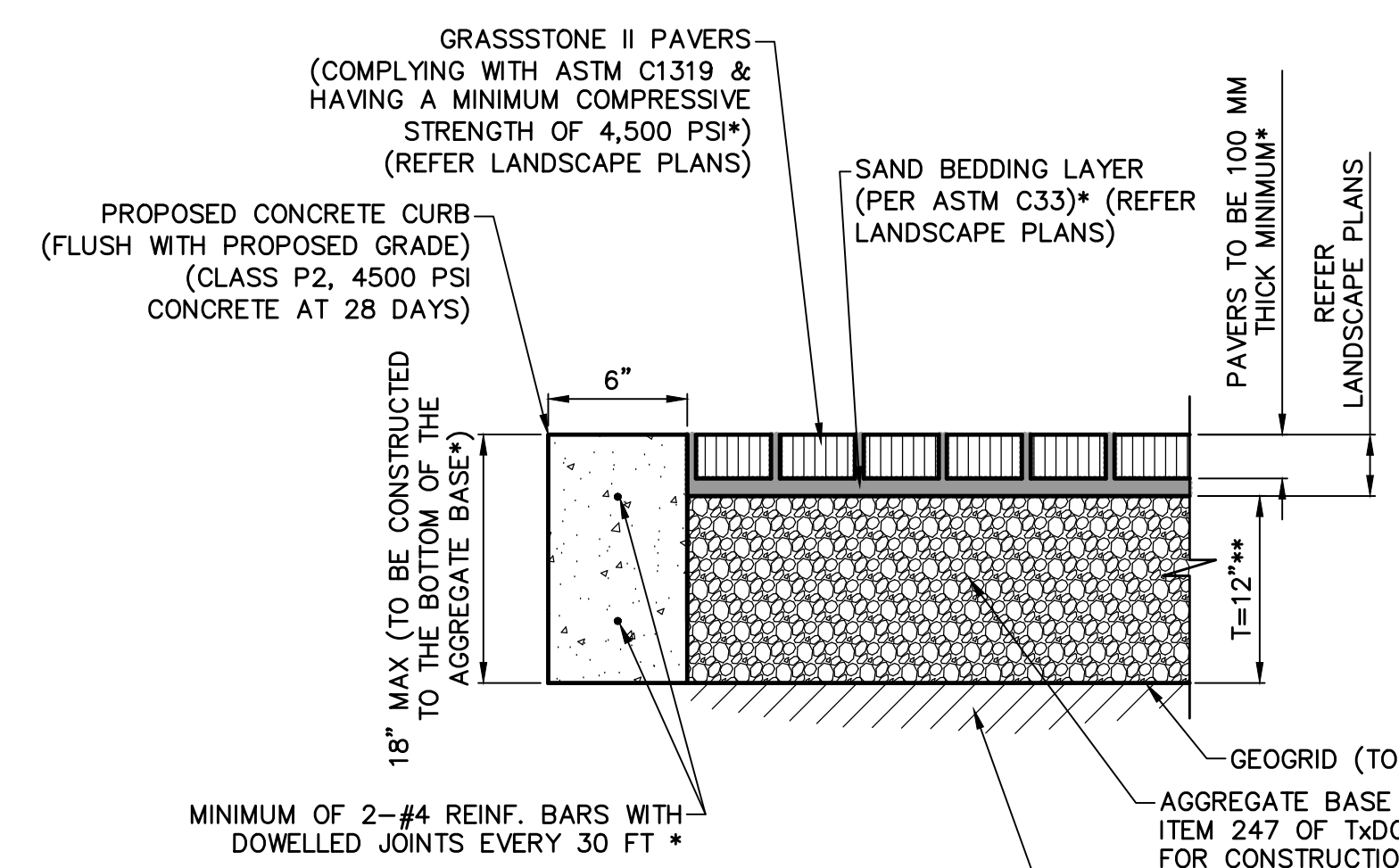
5 EXPANSION JOINT
NOT TO SCALE



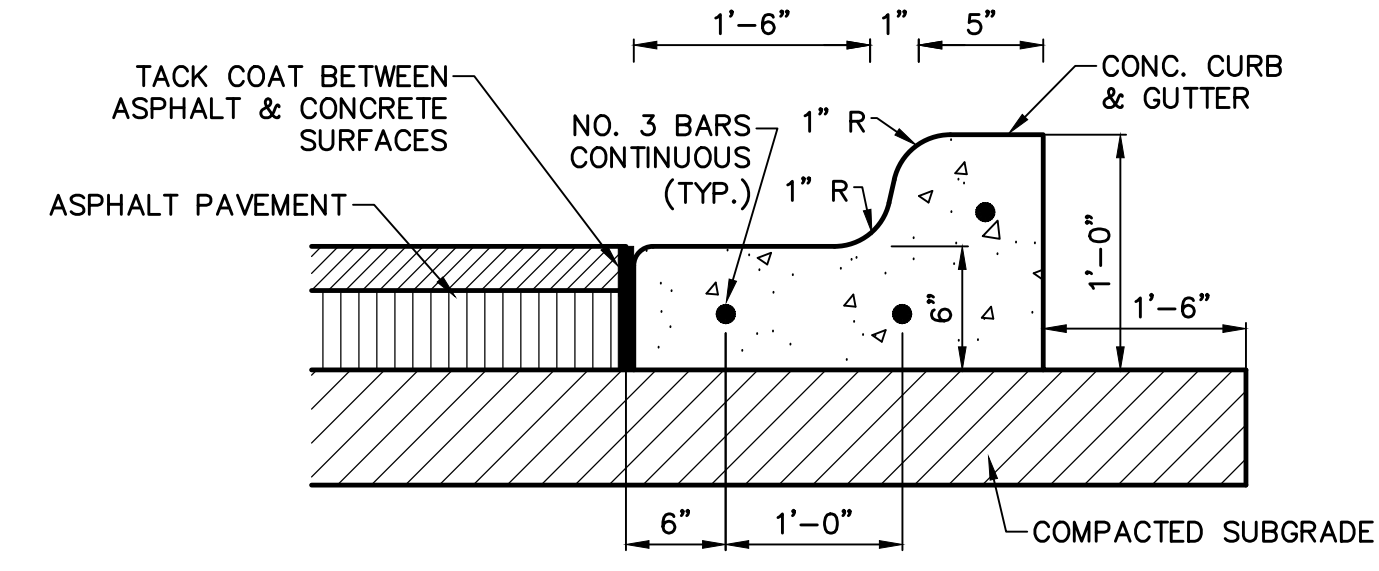
6 INTEGRAL CURB
NOT TO SCALE



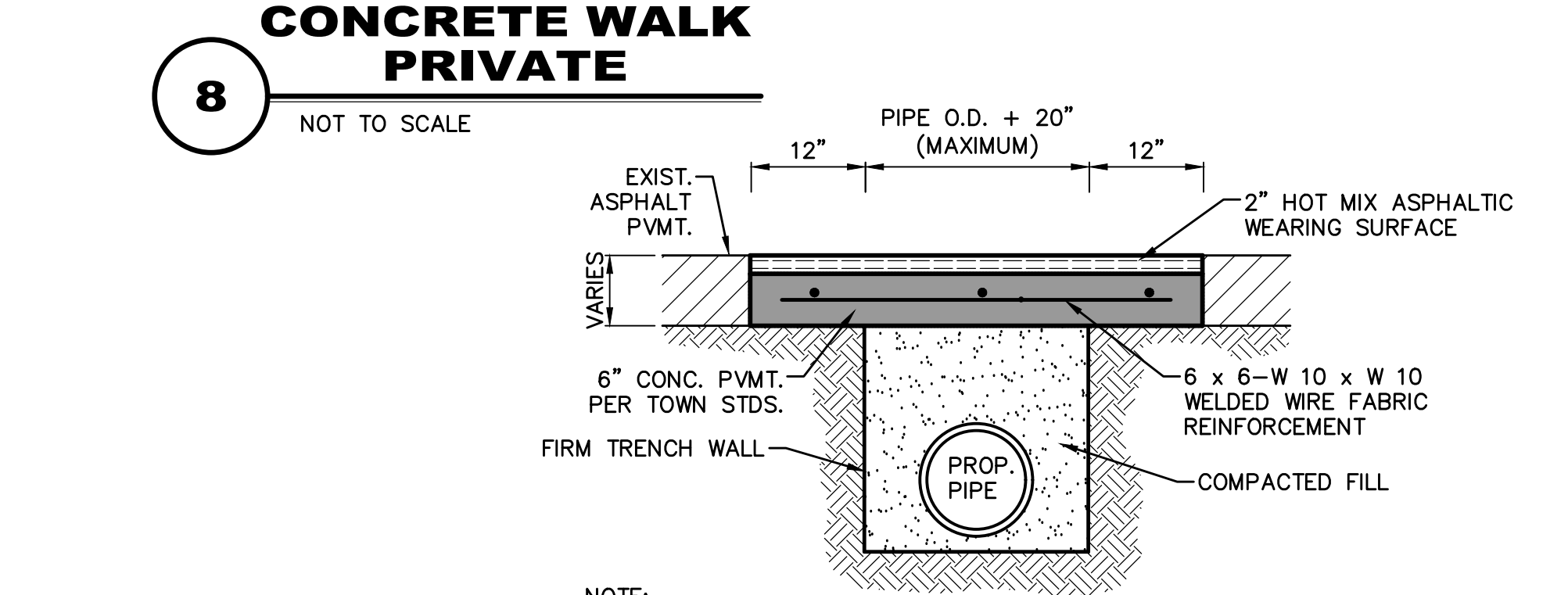
7 CONCRETE WALK PRIVATE
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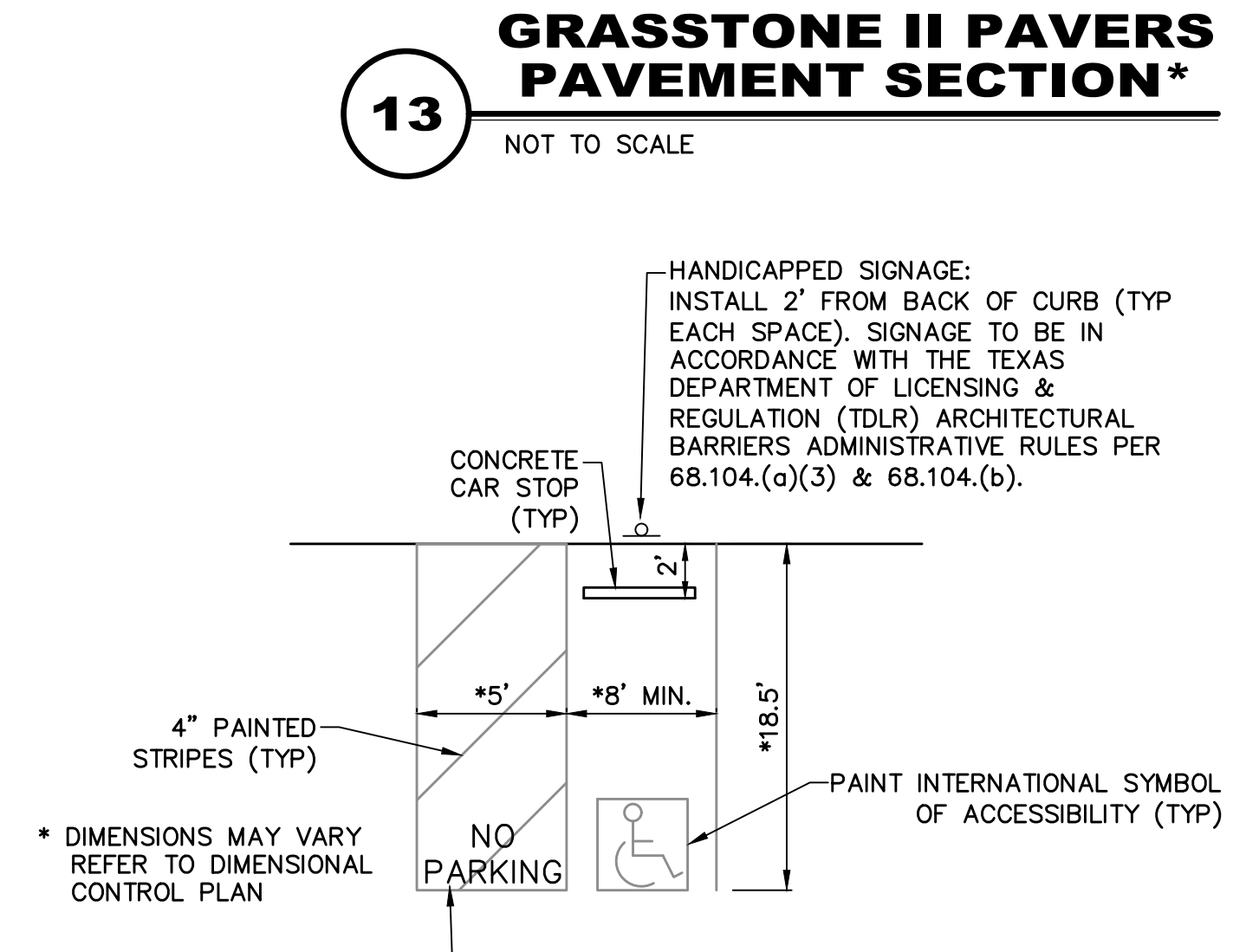
8 GRASSTONE II PAVERS PAVEMENT SECTION*
NOT TO SCALE



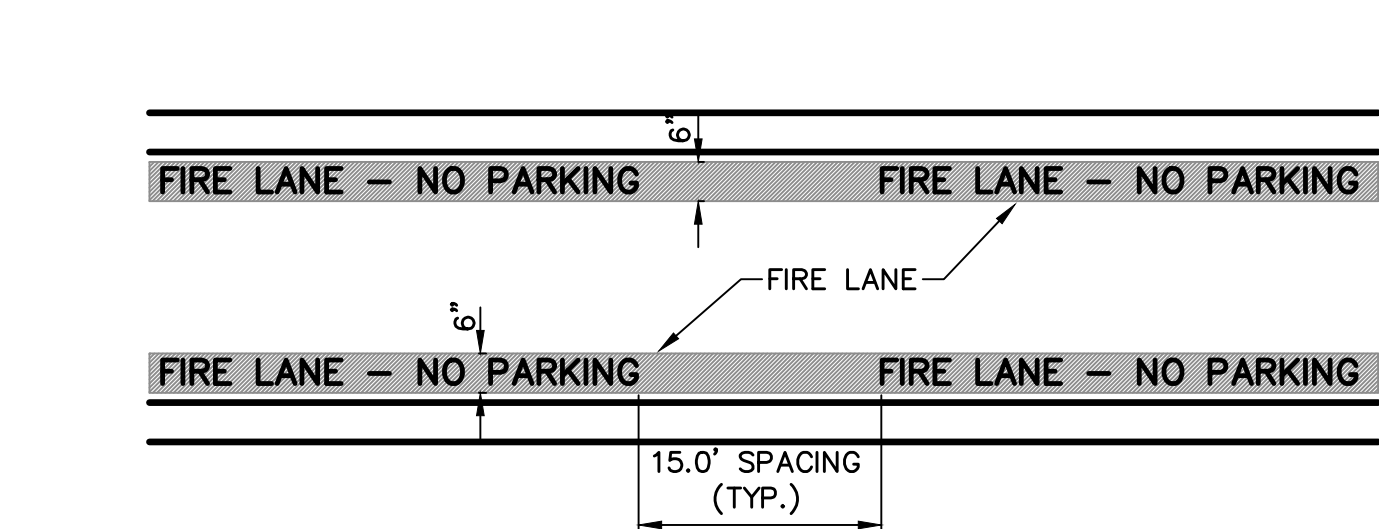
9 CONCRETE CURB & GUTTER FOR ASPHALT PAVING
NOT TO SCALE



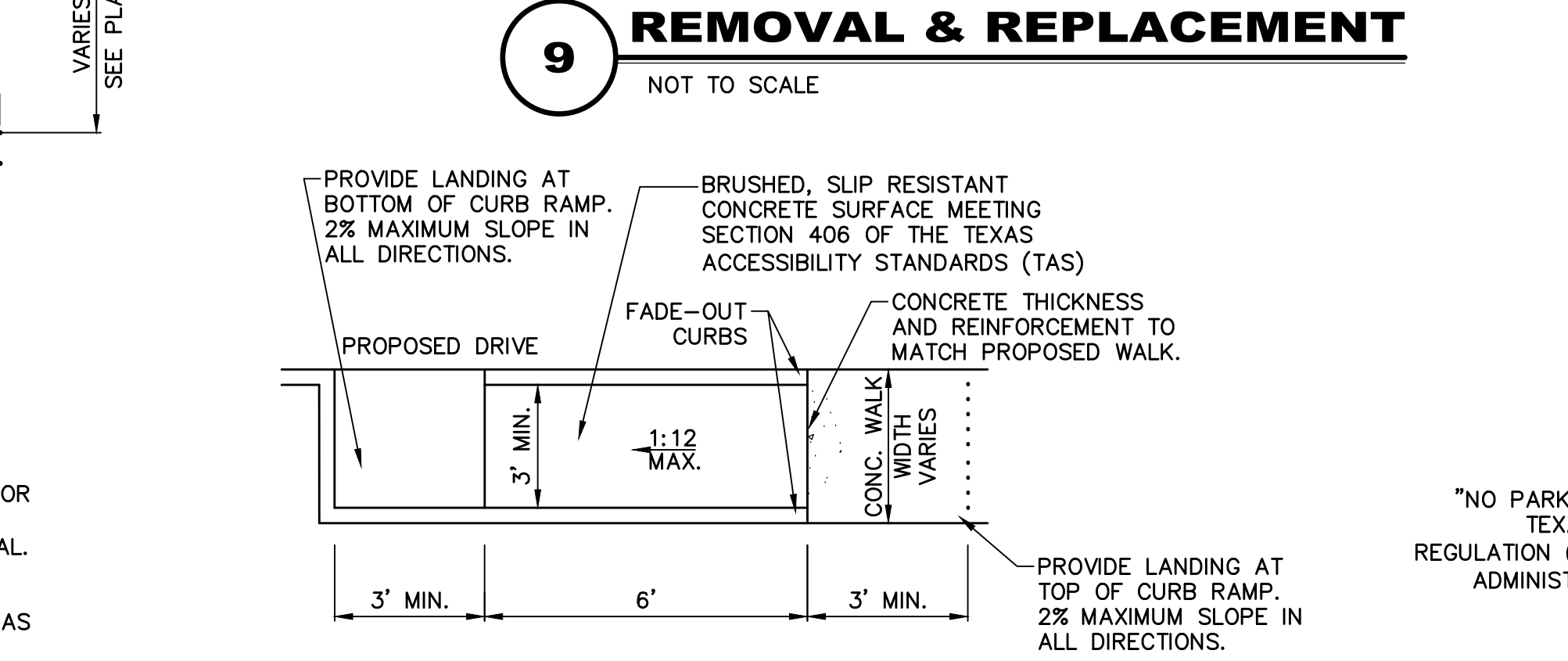
10 ASPHALT PAVEMENT REMOVAL & REPLACEMENT
NOT TO SCALE



11 90° HANDICAP PARKING
NOT TO SCALE (PRIVATE ONLY)



12 FIRE LANE STRIPING
NOT TO SCALE



13 SINGLE CURB RAMP
NOT TO SCALE (PRIVATE ONLY)

****NOTE 2:** THE THICKNESS OF THE AGGREGATE BASE COURSE SHOULD BE 12 INCH OVER THE CLAY SUBGRADE, WHICH CAN BE REDUCED TO 8 INCH IF CONSTRUCTED OVER A GEOGRID SUCH AS TENSAR TRIAX TX5. WHERE THE WEATHERED LIMESTONE IS ENCOUNTERED, THE AGGREGATE BASE CAN BE REDUCED TO A MINIMUM OF 7 INCH WITHOUT A GEOGRID. (REFER TO LETTER STATED IN NOTE 1)

***NOTE 1:** PER GRASSTONE LETTER GENERATED BY NIGEL NIXON AND PARTNERS, INC., DATED MAY 16, 2022. REFER TO GRASSTONE LETTER FOR FURTHER INFORMATION

THE TOP 8" OF THE SUBGRADE SHOULD BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO AT LEAST 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D698.*

RECORD DRAWING

THE SIGNED AND SEALED CONSTRUCTION DOCUMENT HAS BEEN REVISED TO REFLECT CONSTRUCTION RECORDS MAINTAINED AND PROVIDED BY THE CONTRACTOR FOR THIS PROJECT. THE INFORMATION SHOWN ON THIS RECORD DRAWING, WHICH WAS PROVIDED BY THE CONTRACTOR, OR OTHERS NOT ASSOCIATED WITH THE DESIGN ENGINEER, CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. PACHECO KOCH SHALL ASSUME NO LIABILITY FOR ANY CHANGES MADE DURING CONSTRUCTION THAT WERE NOT SPECIFICALLY APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. THE SEALED CONSTRUCTION DRAWINGS ARE ON FILE AT THE OFFICES OF PACHECO KOCH.

ATTESTED BY:
SIGNATURE: *[Signature]*
ENGINEER OF RECORD: GREG GERBIG, P.E. 118740
CONTRACTOR: SCOTT + REID GENERAL CONTRACTORS, INC.
DATE REVISED: 2024/02/20

NO.	DATE	REVISION
02/20/2024		RECORD DRAWINGS
05/17/2022		ASI 04
04/21/2022		ASI 02
04/15/2022		ASI 01

Pacheco Koch 7557 RAMBLER ROAD SUITE 1400 DALLAS, TX 75231 972.235.3031 TX REG. ENGINEERING FIRM F-469 TX REG. SURVEYING FIRM LS-10008000

PRIVATE PAVING DETAILS
GREENHILL SCHOOL ADDITION
VALDES STEM + INNOVATION CENTER
LOT 1R, BLOCK 1
TOWN OF ADDISON, DALLAS COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
AGG	JPG	FEB 2022				C6.2

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CLASS "B+" EMBEDMENT

CRUSHED STONE SHALL BE 3/4", PASSING # 4 SIEVE

TYPICAL P.V.C. WATER MAIN EMBEDMENT

EARTH		ROCK	
I.D. (IN.)	THRUST (TONS)	A (FT.)	B (FT.)
4,6,8	0.4	1.0	1.5
10,12	0.5	1.5	2.0
16,18	0.6	2.0	2.5
20	0.7	2.5	3.0
24	0.9	3.0	3.5
30	1.1	3.5	4.0
36	1.3	4.0	4.5
42	1.5	4.5	5.0
48	1.7	5.0	5.5
54	1.9	5.5	6.0
60	2.1	6.0	6.5
66	2.3	6.5	7.0
72	2.5	7.0	7.5
78	2.7	7.5	8.0
84	2.9	8.0	8.5
90	3.1	8.5	9.0
96	3.3	9.0	9.5

TABLES OF DIMENSIONS AND QUANTITIES

EARTH		ROCK	
I.D. (IN.)	THRUST (TONS)	A (FT.)	B (FT.)
4,6,8	0.4	1.0	1.5
10,12	0.5	1.5	2.0
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96	3.3	9.0	9.5

ADDITIONS! PUBLIC WORKS DEPARTMENT

DATE: AUGUST, 2010 REV DATE: SHEET: SD-W01

HORIZONTAL THRUST BLOCK AT PIPE BEND

ADDITIONS! PUBLIC WORKS DEPARTMENT

DATE: AUGUST, 2010 REV DATE: SHEET: SD-W04

ADDITIONS! PUBLIC WORKS DEPARTMENT

DATE: AUGUST, 2010 REV DATE: SHEET: SD-W05

ADDITIONS! PUBLIC WORKS DEPARTMENT

DATE: AUGUST, 2010 REV DATE: SHEET: SD-W08

PLAN OF PLUG THRUST BLOCK

PLAN OF TEE THRUST BLOCK

EARTH		ROCK	
I.D. (IN.)	THRUST (TONS)	A (FT.)	B (FT.)
4,6,8	0.4	1.0	1.5
10,12	0.5	1.5	2.0
16,18	0.6	2.0	2.5
20	0.7	2.5	3.0
24	0.9	3.0	3.5
30	1.1	3.5	4.0
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96	3.3	9.0	9.5

ADDITIONS! PUBLIC WORKS DEPARTMENT

DATE: AUGUST, 2010 REV DATE: SHEET: SD-W07

TYPICAL VALVE SETTING & BOX

ADDITIONS! PUBLIC WORKS DEPARTMENT

DATE: AUGUST, 2010 REV DATE: 04/06/17 SHEET: SD-W09

TYPICAL FIRE HYDRANT INSTALLATION

ADDITIONS! PUBLIC WORKS DEPARTMENT

DATE: AUGUST, 2010 REV DATE: SHEET: SD-W06

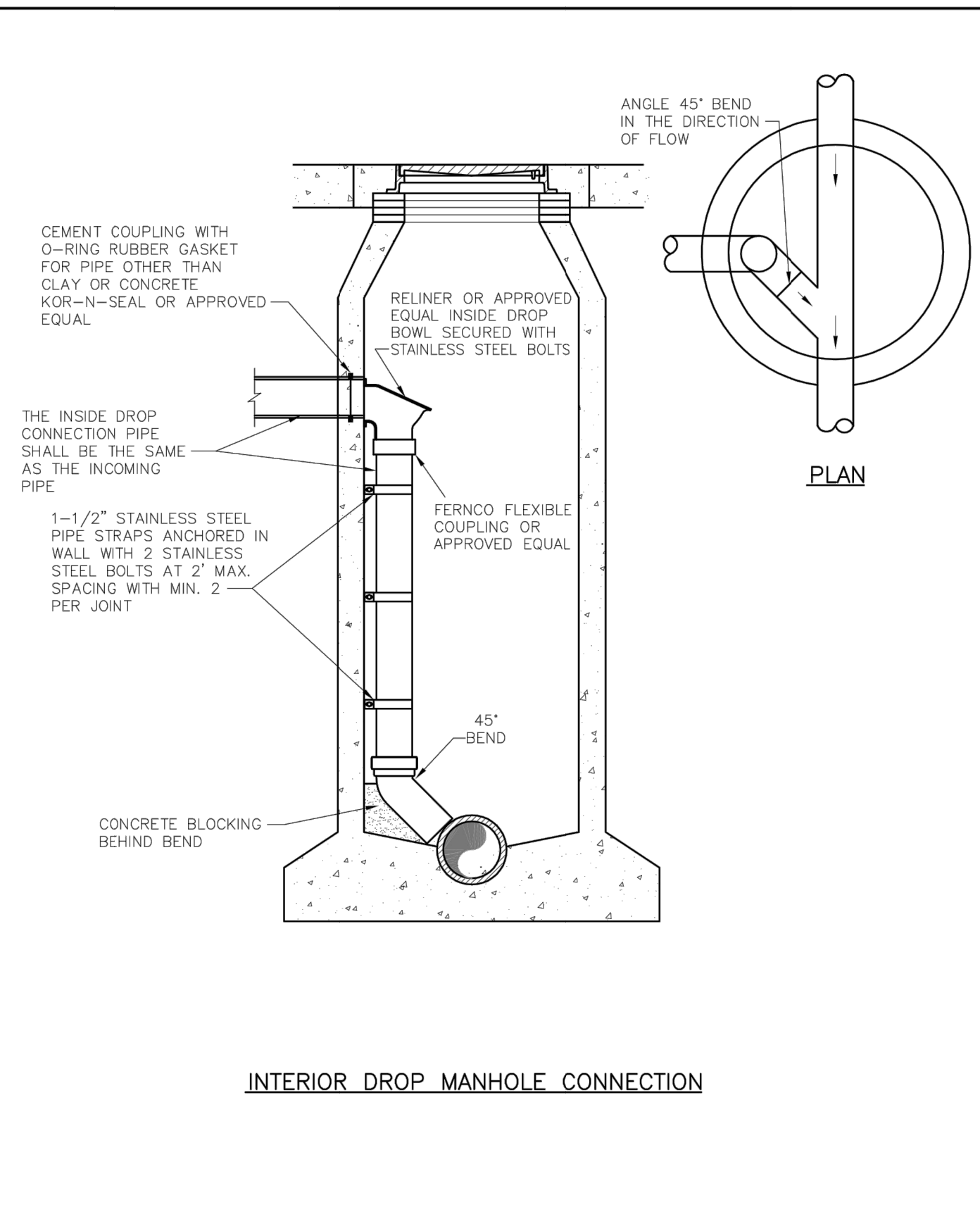
FIRE HYDRANT GUARD POST DETAIL

ADDITIONS! PUBLIC WORKS DEPARTMENT

DATE: AUGUST, 2010 REV DATE: SHEET: SD-W08

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GREENHILL SCHOOL - MATH, SCIENCE & INNOVATION BUILDING



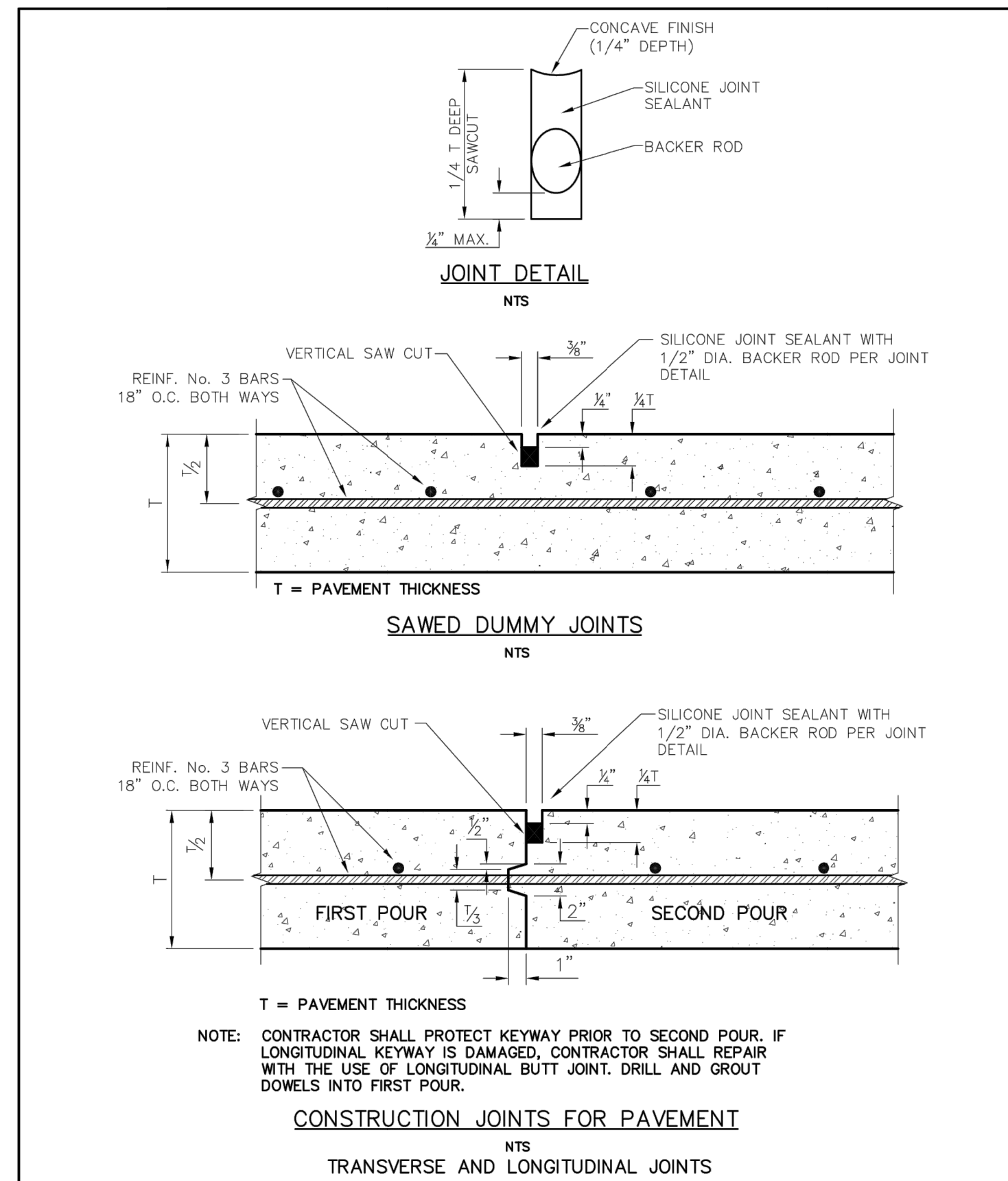
INTERIOR DROP MANHOLE CONNECTION

 PUBLIC WORKS DEPARTMENT	INTERIOR DROP MANHOLE CONNECTION	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-WW09

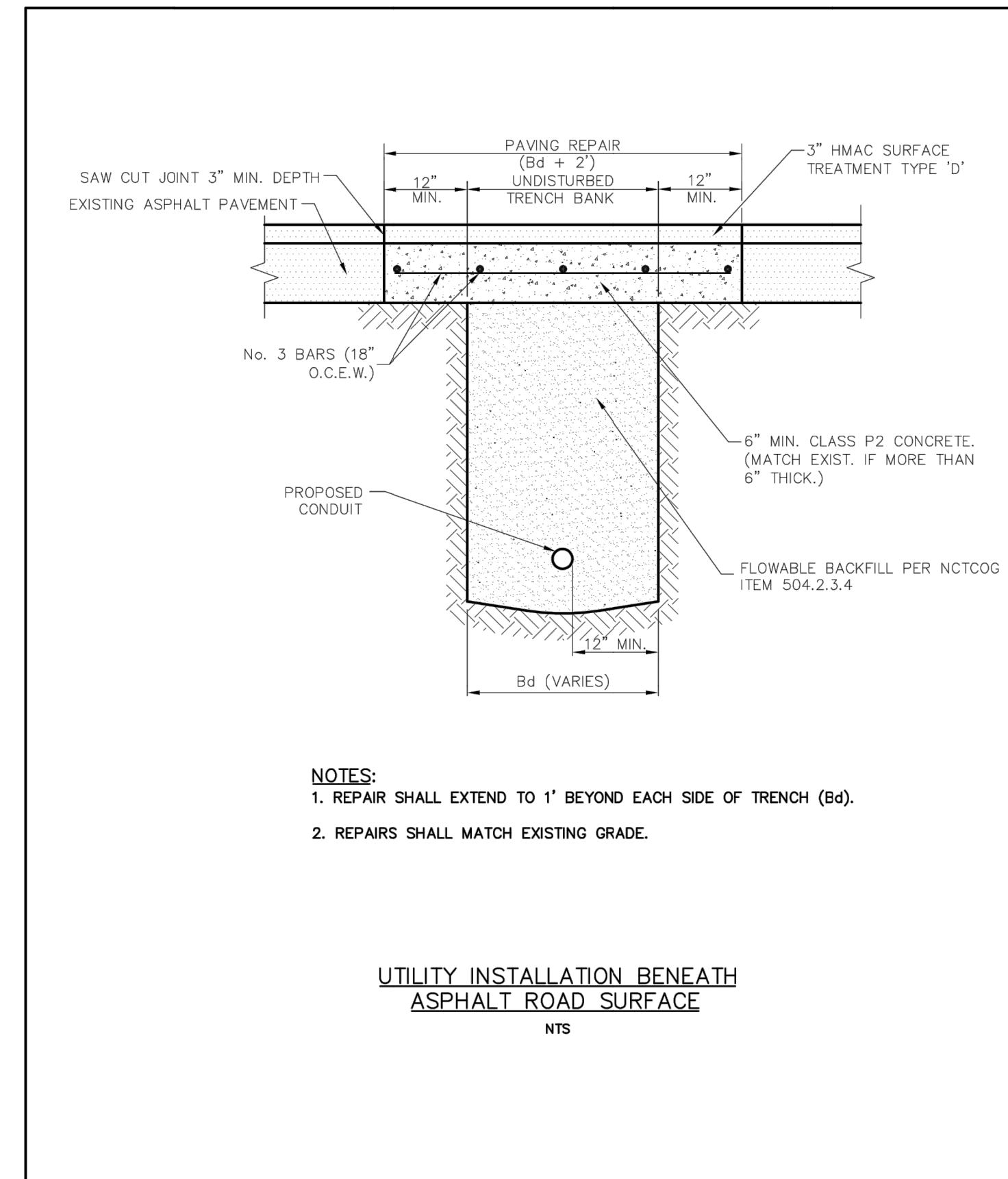
- PAVING — GENERAL NOTES**
- GENERAL: PAVEMENT THICKNESS IS AS SHOWN IN ITEM 7. SUBGRADE DESIGN SHALL CONFORM TO TOWN OF ADDISON PUBLIC WORKS REQUIREMENTS IN ITEM 3, AND SHALL EXTEND 12" MIN. BEHIND THE BACK OF CURB.
 - REINFORCED CONCRETE PAVEMENT:
 - CONCRETE STRENGTH SHALL BE AS SHOWN IN ITEM 7 (NCTCOG LATEST EDITION).
 - ALL CURBS SHALL BE INTEGRAL WITH PAVEMENT AND SHALL BE OF THE SAME STRENGTH AS CONCRETE PAVEMENT.
 - DETAIL AND ARRANGEMENT OF PAVEMENT JOINTS, ALL TYPES, SHALL BE AS SHOWN ON THE TOWN STANDARD CONSTRUCTION DETAILS.
 - BAR LAPS SHALL BE THIRTY DIAMETERS.
 - REINFORCING STEEL SHALL BE #3 (3/8") ON 18" CENTERS FOR 8" OR LESS, #4 FOR 10" OR ABOVE.
 - SUBGRADE: SUBGRADE UNDER ALL PAVEMENT SHALL BE 6" THICK AND SHALL BE STABILIZED WITH AT LEAST 30 LBS. PER SQ. YD. HYDRATED LIME, COMPACTED TO A DENSITY NOT LESS THAN 95 PERCENT. LABORATORY TESTS MUST BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR APPROVAL TO DETERMINE AMOUNT OF LIME REQUIRED. LABORATORY TEST MAY BE WAIVED PROVIDED AT LEAST 36 LBS. OF LIME PER SQ. YD. IS USED. SEE NCTCOG ITEM 301.2 "LIME TREATMENT", FLEXIBLE BASE (CRUSHED STONE/CONCRETE) PER NCTCOG ITEM 301.5 MAY BE SUBSTITUTED FOR LIME TREATMENT WITH THE APPROVAL OF THE TOWN ENGINEER.
 - REBAR SHALL BE SUPPORTED BY BAR CHAIRS OR OTHER DEVICES APPROVED BY TOWN ENGINEER.
 - NO TRAFFIC ON FINISHED SUBGRADE SHALL BE PERMITTED AFTER REINFORCING STEEL IS INSTALLED ABOVE SUBGRADE. NO TRAFFIC SHALL BE PERMITTED BEFORE OR DURING THE PLACING OF CONCRETE.
 - CROSS SLOPE OF STRAIGHT CROWN STREETS SHALL BE 1/4" PER FOOT UNLESS APPROVED BY THE TOWN ENGINEER.
 - PAVEMENT THICKNESS AND STRENGTHS SHALL BE AS FOLLOWS:

MAJOR ARTERIAL	-	10" CLASS "P1" OR "P2."
MINOR ARTERIAL	-	8" CLASS "P1" OR "P2."
COMMERCIAL/INDUSTRIAL COLLECTOR	-	8" CLASS "P1" OR "P2."
RESIDENTIAL COLLECTOR	-	8" CLASS "P1" OR "P2."
RESIDENTIAL LOCAL	-	8" CLASS "P1" OR "P2."
SIDEWALK AND BFR'S-4"	-	CLASS "A"
DRIVE APPROACH-8"	-	CLASS "P2"
ALLEY-6"	-	CLASS "P1" OR "P2."
 - CONCRETE MIX DESIGN SHALL BE AS DEFINED BY NCTCOG 303.3.
 - ALL MEDIANS AND PARKWAYS SHALL BE PROVIDED WITH BERMUDA GROUND COVER.
 - ONCE A CURB ABUTTING A THOROUGHFARE HAS BEEN SAWCUT AND REMOVED, THE CONTRACTOR MUST REPLACE THE CONCRETE WITH A NEW POUR (I.E. DRIVEWAY) WITHIN 14 CALENDAR DAYS. LIQUIDATED DAMAGES WILL BE ASSESSED AT \$500 PER DAY FOR EACH CALENDAR DAY IN EXCESS OF 14 CALENDAR DAYS. PAYMENT SHALL BE MADE PRIOR TO ACCEPTANCE OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
 - ALL SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 5% AND A MAXIMUM CROSS SLOPE OF 2%.
 - ALLEYS AND DRIVEWAYS
 - CONCRETE FOR ALLEY RETURNS AND DRIVEWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS IDENTICAL TO THAT SPECIFIED FOR THE STREET PAVEMENT OR BASE WHEN BUILT AS COMPONENTS OF A CONCRETE PAVING PROJECT. WHEN BUILT SEPARATELY, THE STRENGTH SHALL BE AS SPECIFIED ON THE CONSTRUCTION PLAN.
 - SPACING AND CONSTRUCTION OF JOINTS SHALL CONFORM TO PARABOLIC STREET PAVEMENT.

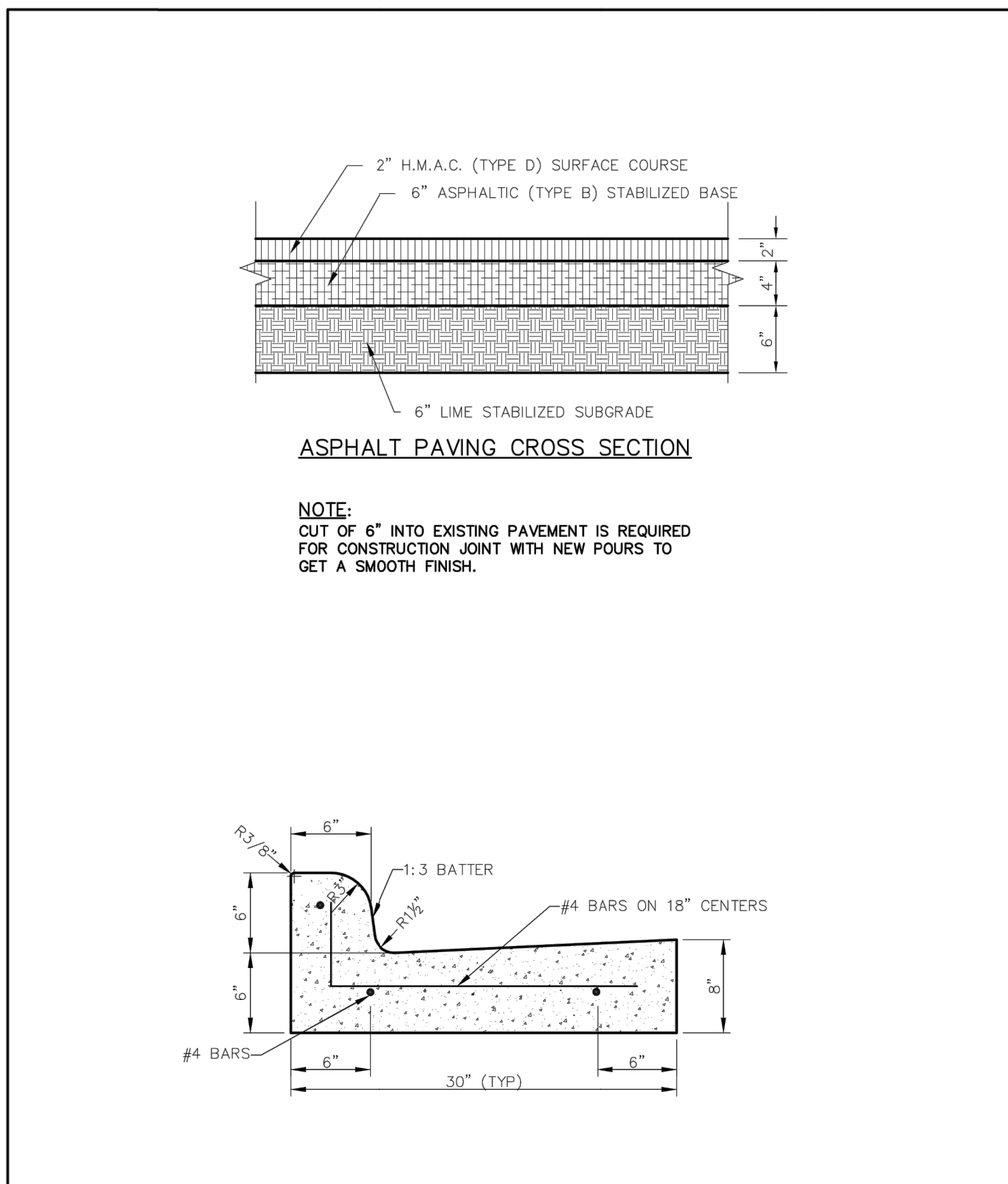
 PUBLIC WORKS DEPARTMENT	PAVING GENERAL NOTES	STANDARD CONSTRUCTION DETAILS PAVING		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-P01



 PUBLIC WORKS DEPARTMENT	JOINT DETAILS	STANDARD CONSTRUCTION DETAILS PAVING		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-P18

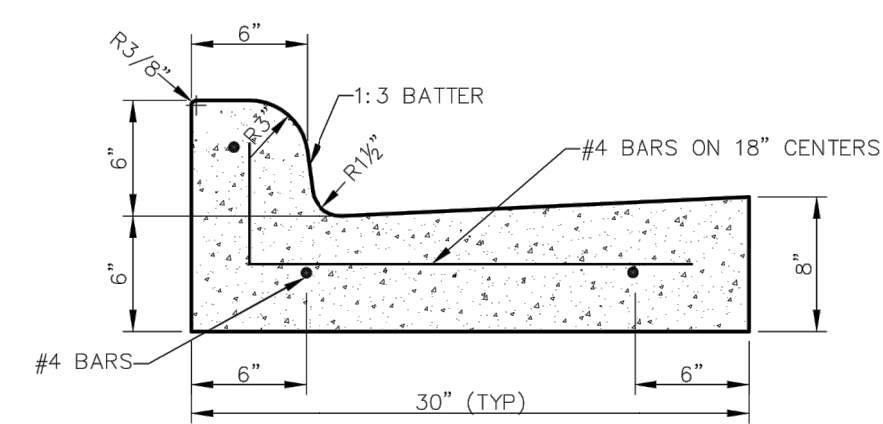


 PUBLIC WORKS DEPARTMENT	UTILITY INSTALLATION BENEATH ASPHALT ROAD SURFACE	STANDARD CONSTRUCTION DETAILS UTILITIES TRENCHLINE & STREET RESTORATION		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-U02



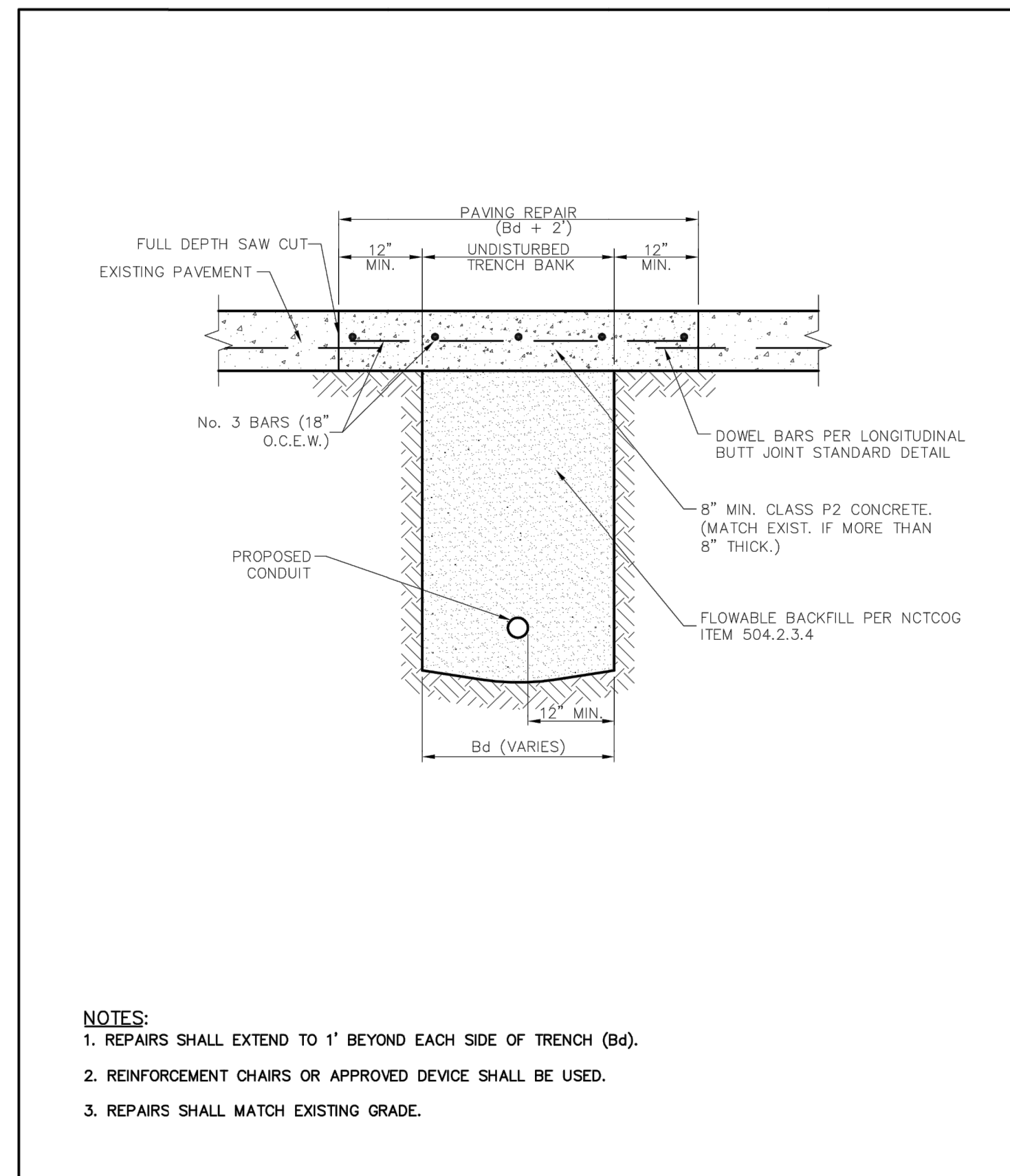
ASPHALT PAVING CROSS SECTION

NOTE: CUT OF 6" INTO EXISTING PAVEMENT IS REQUIRED FOR CONSTRUCTION JOINT WITH NEW POURS TO GET A SMOOTH FINISH.



LONGITUDINAL BUTT JOINT

 PUBLIC WORKS DEPARTMENT	LONGITUDINAL BUTT JOINT	STANDARD CONSTRUCTION DETAILS PAVING		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-P18



 PUBLIC WORKS DEPARTMENT	UTILITY INSTALLATION BENEATH CONCRETE ROAD SURFACE	STANDARD CONSTRUCTION DETAILS UTILITIES TRENCHLINE & STREET RESTORATION		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-U01

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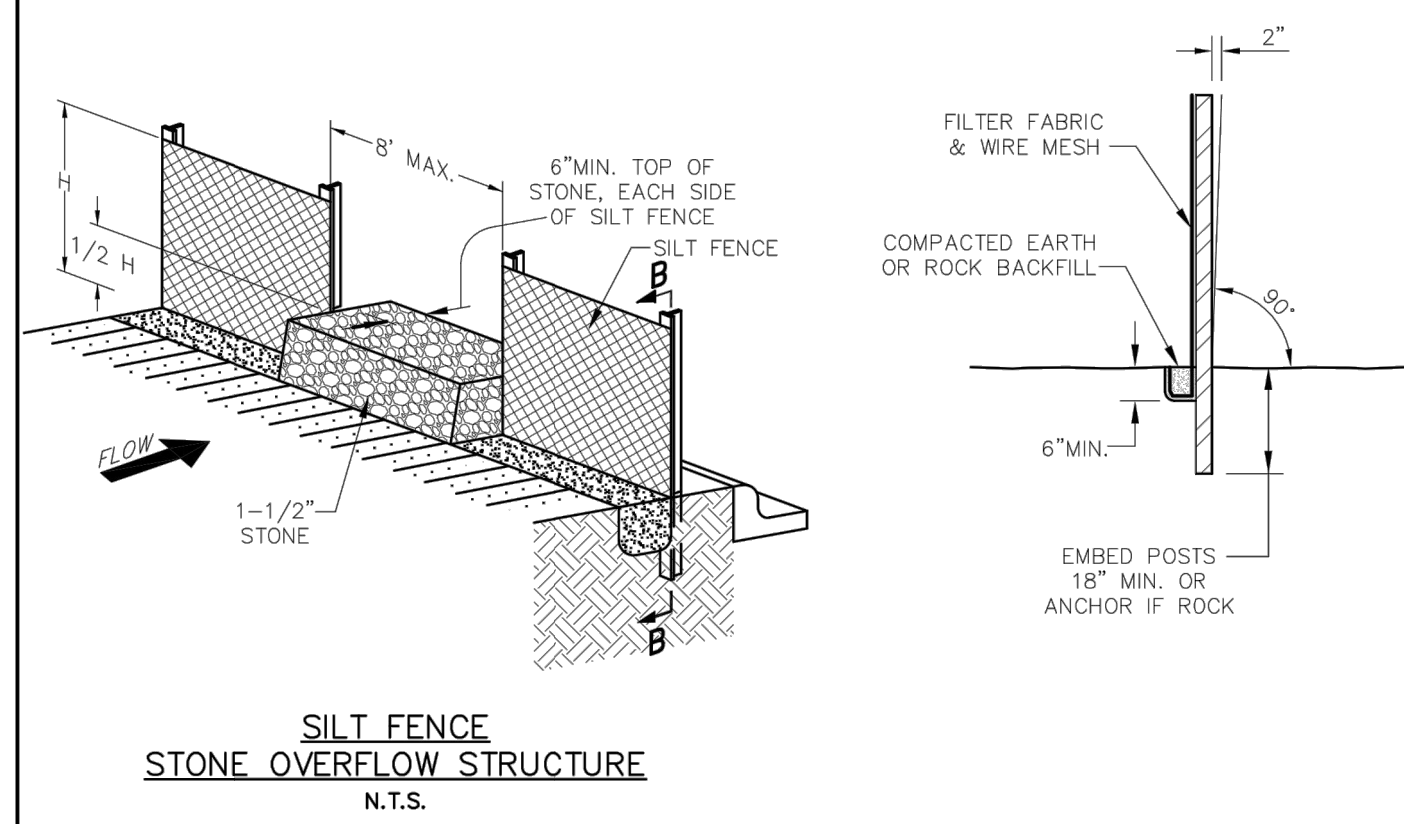
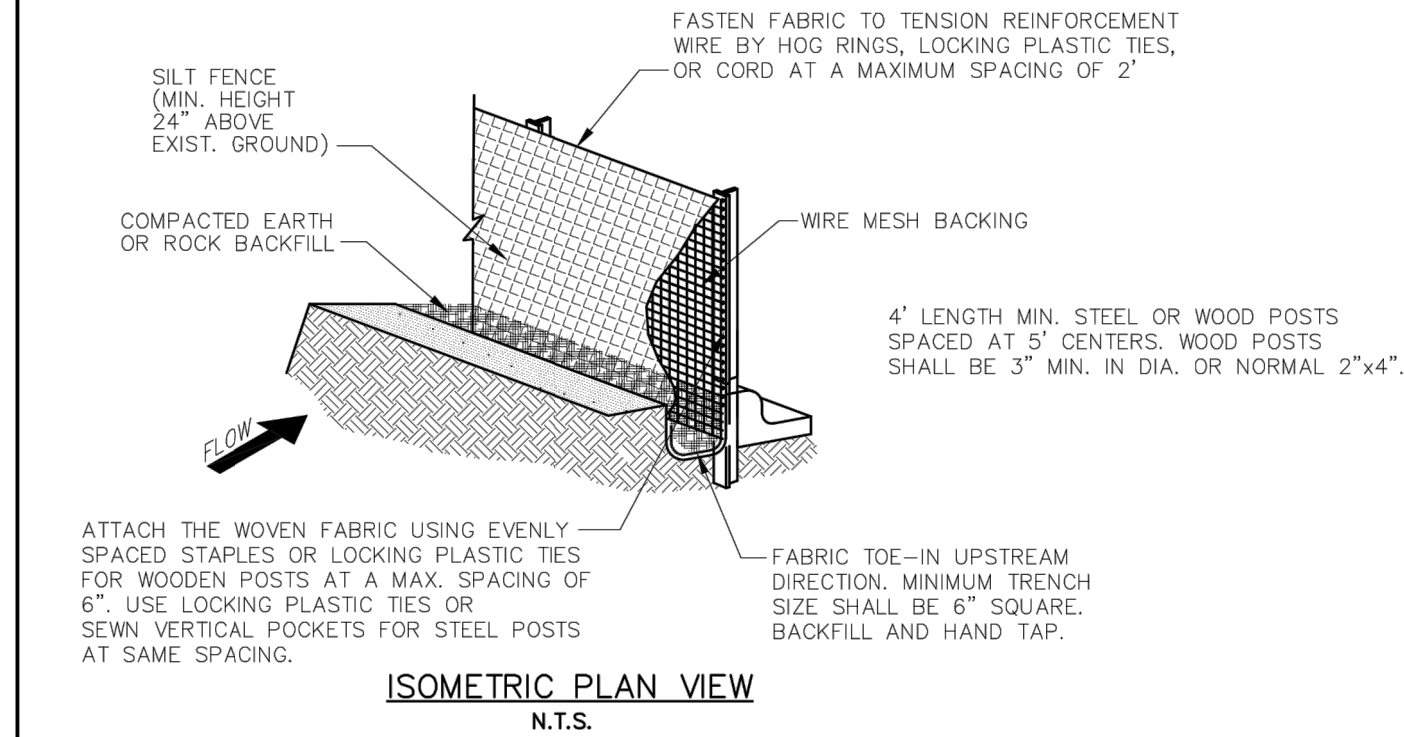
GREENHILL SCHOOL - MATH, SCIENCE & INNOVATION BUILDING

EROSION CONTROL PLAN NOTES

- ALL OPERATORS AND/OR CONTRACTORS SHALL CONFORM TO THE TERMS AND CONDITIONS OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ), TPDES GENERAL PERMIT NO. TXR 150000 ISSUED AND DATED MARCH 5, 2003.
- THE NOTICE OF INTENT (NOI), AS REQUIRED BY THE GENERAL PERMIT, MUST BE PROPERLY DISPLAYED ON SITE AT ALL TIMES BY EACH OPERATOR.
- ALL RELEASES OF THE REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES SHALL BE REPORTED IMMEDIATELY TO THE FACILITY OPERATOR, EPA AND TCEQ.
- QUALIFIED OPERATOR PERSONNEL MUST INSPECT THE SITE AT LEAST ONCE EVERY 14 DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR GREATER. AS AN ALTERNATIVE, AN INSPECTION CAN BE CONDUCTED ONCE EVERY SEVEN (7) CALENDAR DAYS ON A DEFINED DAY. A DECISION ON WHICH METHOD TO USE MUST BE DECIDED BEFORE WORK BEGINS AND MUST BE FOLLOWED THROUGHOUT THE PROJECT.
- MODIFICATIONS TO THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE IMPLEMENTED AND BE IN-PLACE WITHIN A SEVEN CALENDAR DAY PERIOD.
- IF ANY CONTRACTOR SEES A VIOLATION BY AN OPERATOR OR ANOTHER CONTRACTOR, THAT OPERATOR OR CONTRACTOR IN VIOLATION SHALL BE NOTIFIED AS WELL AS THE FACILITY OPERATOR.
- EROSION CONTROL SHALL BE INSTALLED PRIOR TO GRADING.
- ACCUMULATED SILT DEPOSITS SHALL BE REMOVED FROM SILT FENCES AND HAY BALE DIKES WHEN SILT DEPTH REACHES THREE INCHES OR 25%.
- THE CONTRACTOR SHALL ADD OR DELETE EROSION PROTECTION AT THE REQUEST AND DIRECTION OF THE OPERATOR OR TOWN.
- AFTER INSTALLATION OF PAVEMENT, FINAL LOT BENCHING AND GENERAL CLEANUP, THE CONTRACTOR SHALL ESTABLISH GRASS GROUNDCOVER IN ALL STREET PARKWAYS, LOT AND ALL OTHER DISTURBED AREAS. SODDING SHALL BE DONE AS SPECIFIED BY SECTION 202.5 AND SEEDING AS SPECIFIED BY SECTION 202.6 OF THE OCTOBER 2004 OR LATEST EDITION OF NCTCOG STANDARD SPECIFICATION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTROL AND LIMIT SILT AND SEDIMENT LEAVING THE SITE. SPECIFICALLY, THE CONTRACTOR SHALL PROTECT ALL PUBLIC STREETS, ALLEYS, STREAMS AND STORM DRAINAGE SYSTEMS FROM EROSION DEPOSITS.
- A DRAINAGE AREA MAP WILL BE INCLUDED WITH THE EROSION CONTROL PLAN.
- CONSTRUCTION WASTE DISPOSAL CONTAINERS SHALL BE PROVIDED ON THE SITE FOR DISPOSAL OF ALL NON-HAZARDOUS CONSTRUCTION WASTE MATERIALS. THE CONTAINERS SHALL BE HAULED TO LANDFILL BY THE CONTRACTOR.
- ALL HAZARDOUS MATERIALS SHALL BE HANDLED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

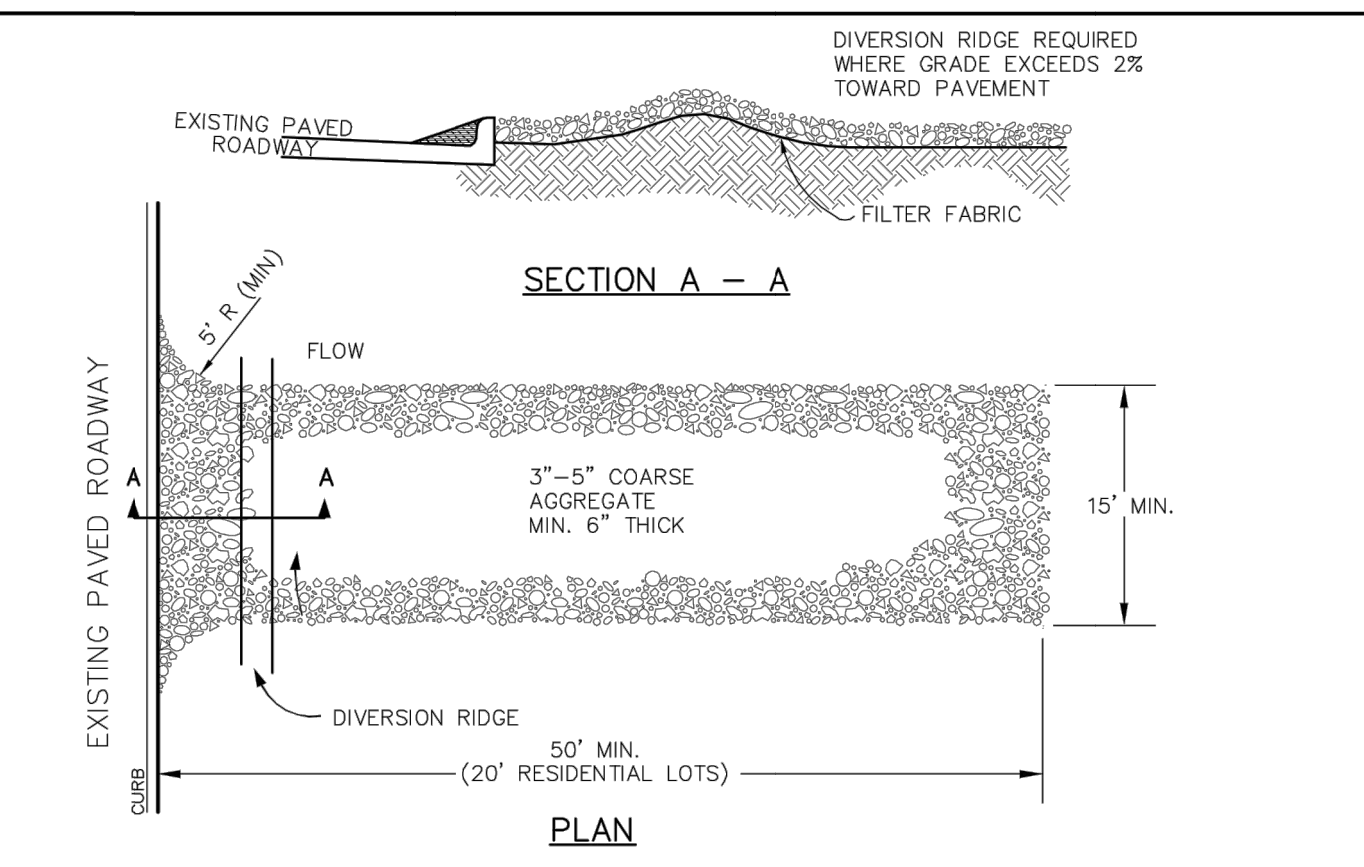
SILT FENCE NOTES

- POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. THE POST MUST BE EMBEDDED A MINIMUM OF 18 INCHES.
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE SILT FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT), HEIGHT FABRIC FLAP WITH WASHED GRAVEL ON THE UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
- THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- SILT FENCE SHALL BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE SUPPORT POST. THERE SHALL BE A 6 INCH DOUBLE OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- INSPECTION SHALL BE MADE EVERY TWO WEEKS OR AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE PROMPTLY AS NEEDED.
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 3 INCHES. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.



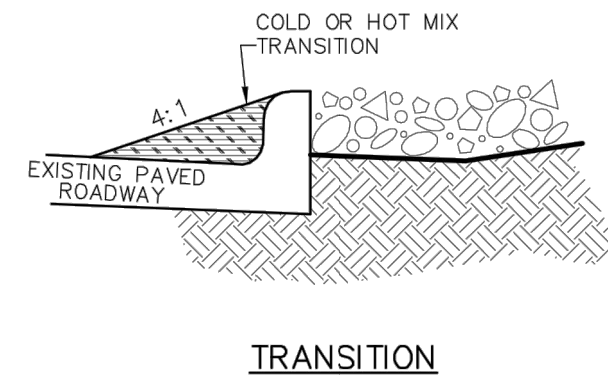
 PUBLIC WORKS DEPARTMENT	EROSION CONTROL & SILT FENCE NOTES	STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
		DATE: AUGUST, 2010	REV DATE: -	SHEET : SD-ED01

 PUBLIC WORKS DEPARTMENT	SILT FENCE DETAIL	STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
		DATE: AUGUST, 2010	REV DATE: -	SHEET : SD-ED02

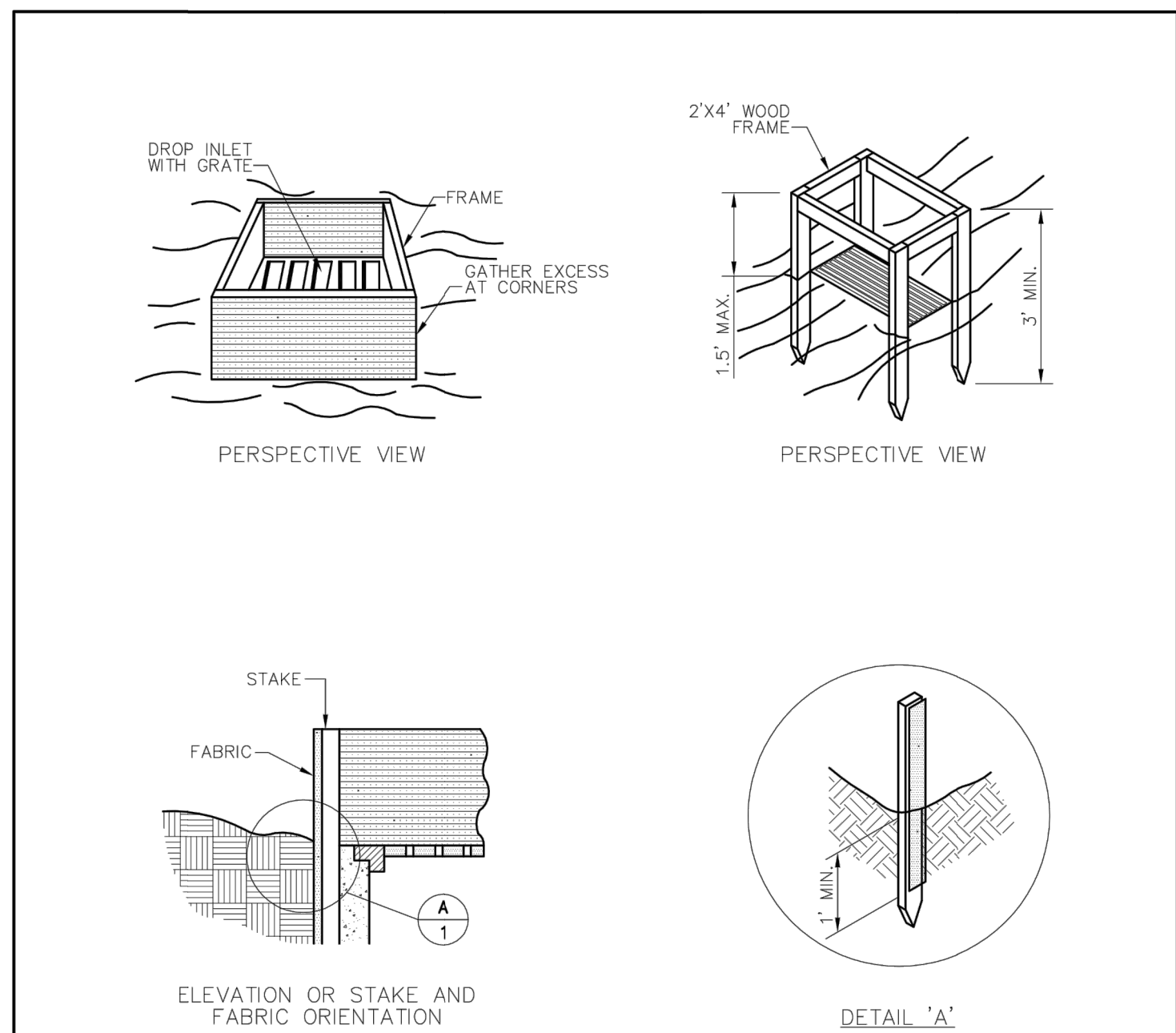


TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT N.T.S.

- STABILIZED CONSTRUCTION ENTRANCE GENERAL NOTES:**
- WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
 - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
 - THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
 - WHEN SEDIMENT HAS SUBSTANTIALLY CLOGGED THE VOID AREA BETWEEN THE ROCKS, THE AGGREGATE MAT MUST BE WASHED DOWN OR REPLACED. PERIODIC RE-GRADED AND TOP DRESSING WITH ADDITIONAL STONE MUST BE DONE TO KEEP THE EFFICIENCY OF THE ENTRANCE FROM DIMINISHING.



 PUBLIC WORKS DEPARTMENT	TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT	STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
		DATE: AUGUST, 2010	REV DATE: -	SHEET : SD-ED03



GRATE AND WYE INLET PROTECTION N.T.S.

- SPECIFIC APPLICATION:**
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVER-LAND FLOWS (NOT TO EXCEED 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREETS OR HIGHWAY MEDIANS.

 PUBLIC WORKS DEPARTMENT	GRATE AND WYE INLET PROTECTION	STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
		DATE: AUGUST, 2010	REV DATE: -	SHEET : SD-ED04

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