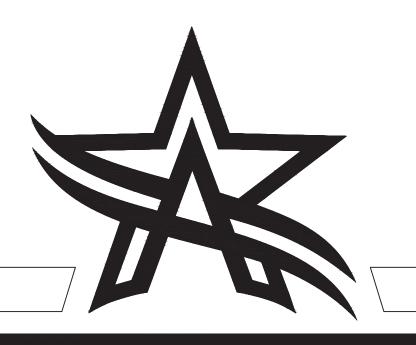
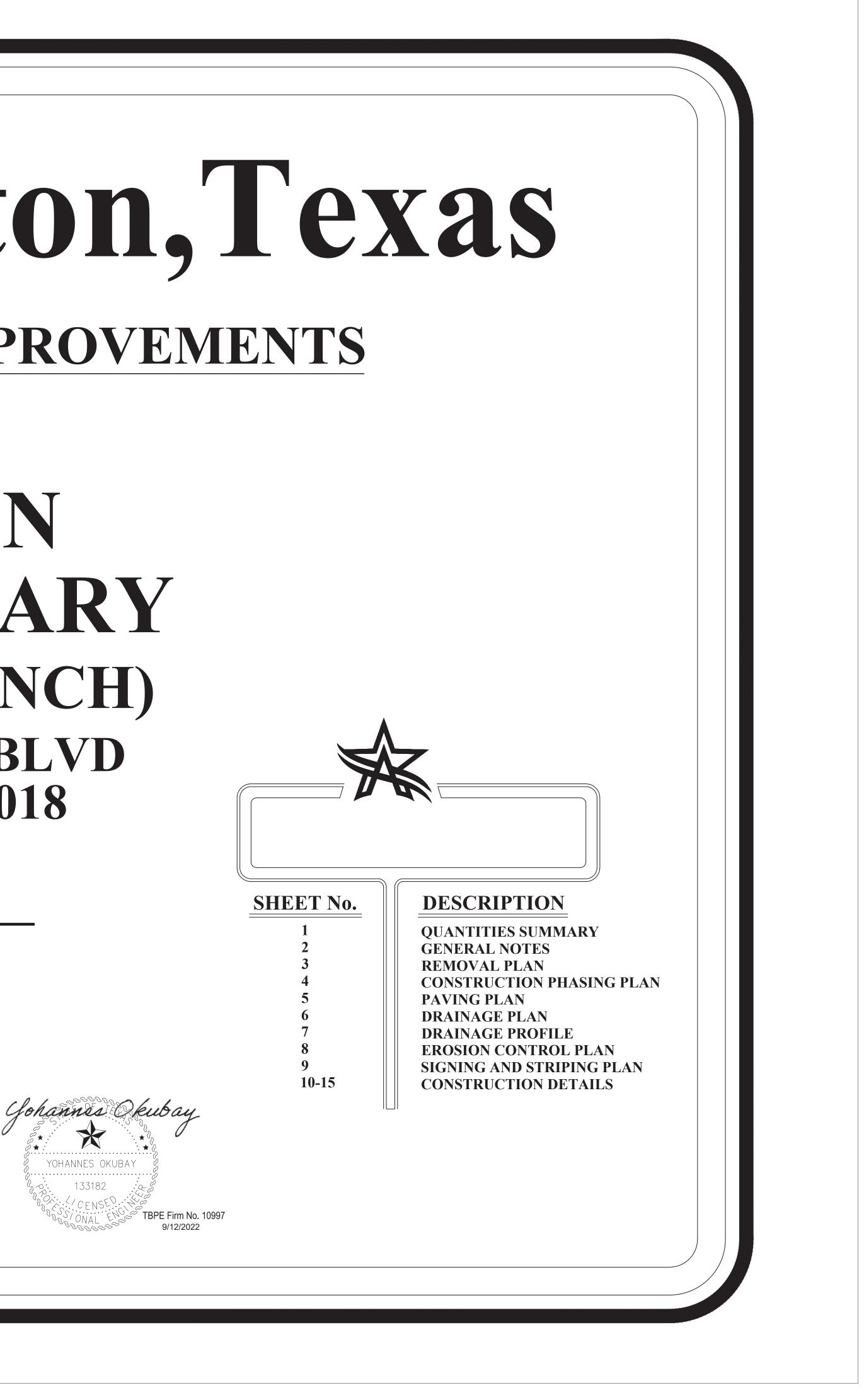


# City of Arlington, Texas PAVING AND SIDEWALK IMPROVEMENTS FOR

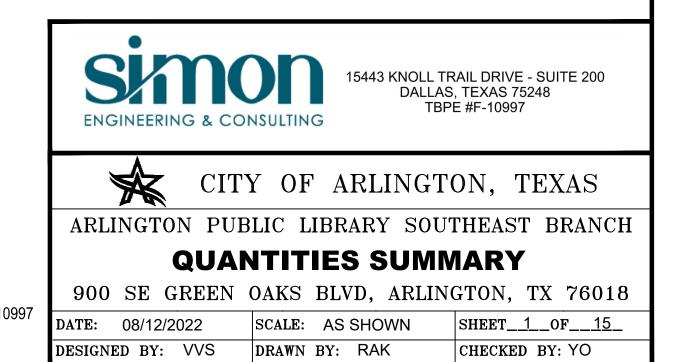
## ARLINGTON PUBLIC LIBRARY (SOUTHEAST BRANCH) 900 SE GREEN OAKS BLVD ARLINGTON,TX 76018

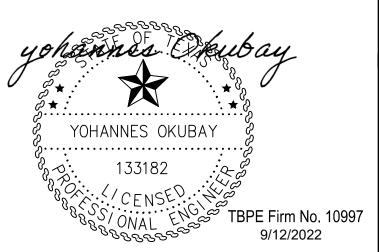
**Project No.** 21-2171





	CITY OF ARLINGTON SE BRANCH LIBRARY PARKING LOT F QUANTITY SUMMARY	REPLACEMENT			
ITEM NO.	ITEM DESCRIPTION	UNITS	ARLINGTON PUBLIC LIBRARY	CALC TOTAL	BID TOTAL
104	REMOVE CONC CURB	LF	103	103	113
104	REMOVE CONCRETE SIDEWALK	SY	375	375	413
XXX	REMOVE FOAM SEALANT	SF	107	107	118
132	EMBANKMENT	CY	100	100	110
162	SODDING	SY	105	105	116
316	PROP CURB RAMP (TY 7)	EA	1	1	1
316	PROP CURB RAMP (TY 10)	EA	1	1	1
320	PROP 9" CONCRETE SIDEWALK CURB	LF	125	125	138
340	2" ASPHALT OVERLAY	TON	225	225	248
400	CEMENT GROUT INJECTION	CY	8	8	9
481	INSTALL 10" PVC PIPE	LF	16	16	18
XXX	PROP FRENCH DRAIN	LF	12	12	13
XXX	CATCH BASIN	EA	1	1	1
483	MILLING CONCRETE SLAB (1/2 IN)	SY	4960	4960	5456
500	MOBILIZATION	LS	1	1	1
506	STABILIZED CONSTRUCTION ENTRANCE/EXIT	SY	100	100	110
506	TEMP SEDMT CONTROL FENCE	LF	878	878	966
528	REMOVE AND RELAY EXISTING PAVERS	SY	17	17	19
529	INSTALL CONC CURB	LF	103	103	113
530A	PROJECT CONSTRUCTION SIGNS	LS	1	1	1
531	INSTALL 4 IN THICK SIDEWALK	SY	392	392	431
5131	FIXED BOLLARDS	EA	3	3	3
XXX	REMOVE AND REPLACE WHEEL STOPS	EA	8	8	9
623	SIDEWALK LUG	LF	358	358	394
645	INSTALL SILT FENCE	LF	878	878	966
662	REFL PAV MRK TY I (RED) 6" (090MIL) (FIRE LANE)	LF	1620	1620	1782
666	REFL PAV MRK TY I (W) 4" (090MIL)	LF	1950	1950	2145
713	CLEANING AND SEALING JOINTS AND CRACKS (CONC PAVEMENT)	LF	4000	4000	4400
1225A	INLET PROTECTION	EA	8	8	9





## GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING GENERAL SAFETY AT AND ADJACENT TO THE PROJECT AREA, INCLUDING THE PERSONAL SAFETY OF THE CONSTRUCTION CREW AND GENERAL PUBLIC AND THE SAFETY OF PUBLIC AND PRIVATE PROPERTY. CONTRACTOR SHALL PROVIDE TEMPORARY SANITARY SEWER FACILITIES TO AFFECTED PROPERTIES, IF NECESSARY. NOT A SEPARATE PAY ITEM.
- 2. CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE HOURS APPROVED OR DIRECTED BY THE OWNER.
- 3. CONTRACTOR SHALL HAVE UTILITY COMPANIES LOCATE AND MARK ALL UNDERGROUND FACILITIES BEFORE BEGINNING EXCAVATION. 4. CONTRACTOR TO PLUG ALL EXPOSED ENDS OF PRIVATE ABANDONED UTILITIES.
- 5. CONTRACTOR IS TO DETERMINE SOURCE OF ALL EXPOSED UTILITIES AND IF REQUIRED. RECONNECT AS NEEDED.
- 6. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND PROPER LEGAL DISPOSAL OF ALL DEBRIS AND DEMOLITION MATERIALS.
- 7. ANY DAMAGE DONE TO EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY AN APPROVED TREE SURGEON AT THE OWNER'S DIRECTION AND CONTRACTOR'S EXPENSE, ROOTS EXPOSED AND/OR DAMAGED DURING DEMOLITION AND/OR GRADING OPERATIONS SHALL BE CUT OFF CLEANLY INSIDE THE EXPOSED OR DAMAGED AREA, THE CUT SURFACES PAINTED WITH AN APPROVED PRUNING SEAL
- 8. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING EROSION CONTROL MEASURES ON THE SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS UNTIL THE SITE HAS BEEN STABILIZED, OR UNTIL FINAL ACCEPTANCE.
- 9. CONTRACTOR IS RESPONSIBLE FOR GRADING UNPAVED DISTURBED AREAS TO ALLOW FOR POSITIVE DRAINAGE, GRADED SLOPES ARE NOT TO EXCEED 4:1. 10. CONTRACTOR TO REMOVE SEDIMENT FROM EXISTING ON SITE INLETS AND PROVIDE INLET PROTECTION IN ACCORDANCE WITH THE
- EROSION CONTROL PLAN AND DETAILS. 11. CONTRACTOR IS RESPONSIBLE FOR SECURITY OF THE SITE DURING DEMOLITION ACTIVITIES AND UNTIL FINAL ACCEPTANCE.

TEXAS COUNCIL OF GOVERNMENTS, AND THE UNT DESIGN & CONSTRUCTION GUIDELINES, UNLESS OTHERWISE NOTED.

- 12. ALL WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ISSUED BY THE NORTH CENTRAL
- 13. PRIOR TO ANY WORK, THE CONTRACTOR SHALL BE FAMILIAR WITH THE PLANS INCLUDING ALL NOTES, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION NORTH CENTRAL TEXAS AND THE TXDOT 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.
- 14. CONTRACTOR TO PROTECT ALL UTILITIES, MAINS, MANHOLES, CLEANOUTS, VALVE BOXES, AND FIRE HYDRANTS. 15. THE CONTRACTOR SHALL PRESERVE AND PROTECT OR REMOVE AND REPLACE (WITH PRIOR APPROVAL OF AFFECTED PROPERTY OWNERS) ALL TREES, SHRUBS, HEDGES, RETAINING WALLS, LANDSCAPING, BUILDINGS, WALKS, ETC., IN OR NEAR PROPOSED CONSTRUCTION AREA. THIS WORK SHALL BE CONSIDERED INCIDENTAL AND NOT A SEPARATE PAY ITEM.
- 16. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING TRENCH SAFETY.
- 17. CONTRACTOR SHALL MAINTAIN A CITY ACCEPTABLE ALL WEATHER SURFACE AND ACCESS TO EXISTING FIRE HYDRANTS ON SITE.
- 18. CONTRACTOR IS TO INSTALL A 6' TALL CHAIN LINK SECURITY FENCE AROUND THE WORK AREA DURING EACH PHASE.
- 19. CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS AND SIDEWALKS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS FROM CONSTRUCTION ACTIVITIES.
- 20. CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING ADEQUATE DUST CONTROL MEASURES DURING DEMOLITION ACTIVITIES.
- 21. CONTRACTOR SHALL COORDINATE WITH OWNER FOR DEMOLITION PHASING SEQUENCE IN CONJUNCTION WITH TRAFFIC CONTROL PHASING
- 22. WITHIN 5 DAYS OF NOTICE TO PROCEED THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO THE ENGINEER FOR APPROVAL OF AL AREAS TO BE USED FOR STAGING, MOBILIZATION, EQUIPMENT, AND MATERIAL STORAGE AND GENERAL PROJECT CONSTRUCTION MANAGEMENT.
- 23. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL TEMPORARY UTILITY SERVICES REQUIRED TO COMPLETE PROJECT.

## CONSTRUCTION AND PAVING GENERAL NOTES

- THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS. CONTRACTOR SHALL VERIFY THAT NECESSARY CROSSING CLEARANCES BETWEEN EXISTING AND PROPOSED UTILITIES EXIST PRIOR TO CONSTRUCTION OF ANY SUCH CROSSING.
- 2. 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.
- 3. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, ETC. THEY MUST BE ADJUSTED TO PROPER LINE, AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE PLACING OF PERMANENT PAVING AND GRADING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING THE CONSTRUCTION THE PAVING FOR THIS DEVELOPMENT.
  - PROVIDE AND MAINTAIN INTERIM ACCESS FROM ROADWAYS CURRENTLY IN USE TO ALL DRIVEWAYS AND INTERSECTING STREETS OR ALLEYS.
  - 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.
  - MAINTAIN ALL WORK AND MATERIAL STORAGE AREAS IN ORDERLY 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.
- BARRICADING AND PROJECT SIGNS SHALL CONFORM TO TEXAS DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LATEST UPDATES.
- CONTRACTOR SHALL REMOVE ALL FENCES LOCATED WITHIN THE RIGHT-OF-WAY OR EXISTING EASEMENTS THAT INTERFERE WITH CONSTRUCTION OPERATIONS AND PROVIDE TEMPORARY FENCING DURING CONSTRUCTION. REMOVED FENCES, WOODEN OR CHAIN-LINKED, SHALL BE REPLACED WITH A NEW FENCE OR UNDAMAGED ORIGINAL FENCING. ALL AFFECTED PROPERTY OWNERS SHALL BE NOTIFIED PRIOR TO CONSTRUCTION. REMOVAL AND REPLACEMENT OF EXISTING AND TEMPORARY FENCES SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST AND REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED IN THE PROPOSAL.
- 6. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLANS AT LEAST 72 HOURS PRIOR TO ANY WORK. TRAFFIC CONTROL MEASURES SHALL CONFORM\_ TO PART VI OF TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL MEASURES SHALL BE INSTALLED FOR ANY<sup>B</sup>WORK ACTIVITY THAT TAKES PLACE ON OR ADJACENT TO ROADWAYS. ALL TRAFFIC CONTROL PLAN TO BE DESIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF TEXAS.
- CONTRACTOR SHALL CONTACT THE OWNER AT LEAST 48 HOURS PRIOR TO WORK THAT REQUIRES REMOVAL OR RELOCATION OF TRAFFIC SIGNS, TRAFFIC CONTROL EQUIPMENT OR OTHER TRAFFIC CONTROL APPURTENANCES.
- 8. FRANCHISE UTILITY LOCATOR SERVICES: TEXAS ONE CALL AT 811, OR UTILITY LOCATOR AT 1-800-DIG-TESS.
- NO EXCESS EXCAVATED MATERIAL SHALL BE DEPOSITED IN LOW AREAS OR ALONG NATURAL DRAINAGE WAY WITHOUT WRITTEN PERMISSION FROM THE PROPERTY OWNER. IF THE CONTRACTOR PLACES EXCESS MATERIAL IN THE AREAS WITHOUT WRITTEN PERMISSION, HE WILL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM SUCH FILL AND HE SHALL REMOVE THE MATERIAL AT HIS OWN COSTS IF THE ENGINEER SO DIRECTS.
- 10. CONTRACTOR TO HAVE CONTINUOUS COORDINATION WITH THE FIRE MARSHAL DURING ALL PHASES OF WORK TO INSURE THAT ACCESSIBILITY IS PROVIDED FOR EMERGENCY VEHICLES.
- 11. ALL CONCRETE SHALL BE CLASS "A", (3500 PSI) 6 SACK MINIMUM, UNLESS OTHERWISE NOTED.
- 12. THE CONTRACTOR SHALL SUBMIT A JOINT SPACING PLAN TO THE ENGINEER FOR APPROVAL. UNLESS NOTED. EXPANSION JOINT SPACING SHALL BE 45 DEGREES MAXIMUM EACH WAY WITH NO KEYWAYS. SAWED DUMMY JOINTS SHALL BE 15' EACH WAY.
- 13. TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED AT THE END OF EACH DAYS PAVING AND WHERE INTERRUPTION SUSPEND OPERATIONS FOR 30 MINUTES OR MORE.
- 14. ALL PAVEMENTS TO BE REMOVED SHALL BE FULL DEPTH, SQUARE, AND MINIMUM 18" WIDE SAWCUT TO A NEAT LINE. MINIMUM TO 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.
- 15. ALL CURB AND GUTTER SHALL BE INTEGRAL WITH THE PAVEMENT AND HAVE THE SAME COMPRESSIVE STRENGTH. 16. NON-FIRE LANE PAVEMENT REINFORCEMENT SHALL BE #3 BARS, SPACED AT 18" CENTER TO CENTER EACH WAY EXCEPT WHERE
- NOTED IN THE PLANS. 17. ALL PAVEMENT STRIPING SHALL BE 4" WIDE, UNLESS OTHERWISE NOTED.
- 18. INSTALLATION AND PLACEMENT OF IRRIGATION SLEEVES AND UTILITY CONDUITS SHALL BE IN ACCORDANCE WITH PAVING PLANS.
- 19. SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A RUNNING SLOPE NO GREATER THAN 5% AND A CROSS FALL NO GREATER THAN 2% UNLESS NOTED OTHERWISE.
- 20. RAMP SLOPES SHALL NOT EXCEED 8.33%. ALL RAMPS SHALL BE CONSTRUCTED WITH CURRENT ADA STANDARDS, INCLUDING COLONIAL RED (FEDERAL COLOR NO. 20109) CAST IN PLACE DETECTABLE/TACTILE WARNING SURFACE TILE AS MANUFACTURED BY ARMOR TILE OR 4-INCHES X 8-INCHES X 2¼-INCHES ADA COMPLIANT DETECTABLE WARNING PAVERS IN ANTIQUE (SHADE NO. 32) AS MANUFACTURED BY WHITACRE-GREER OR IN RIVER RED AS MANUFACTURED BY PAVESTONE, OR APPROVED EQUAL.
- AND A HALF (5.5) SACKS OF CEMENT PER CUBIC YARD OF CONCRETE, FOUR AND A HALF PERCENT (4.5%) ENTRAINED AIR (+/- 1.5%), AND A COMPRESSIVE STRENGTH OF NOT LESS THAN THIRTY-SIX HUNDRED (3,600) POUNDS PER SQUARE INCH AT TWENTY-EIGHT (28) DAYS REINFORCING STEEL SHALL BE NO. 4 BARS ON 18-INCHES CENTERS LOCATED 2-INCHES BELOW THE TOP SURFACE OF THE SIDEWALK. ALL CONCRETE SHALL BE VIBRATED AND AS SOON AS THE CONCRETE HAS OBTAINED ITS INITIAL SET, A WHITE PIGMENTED APPROVED CURING COMPOUND SHALL BE APPLIED TO THE SURFACE.

MINIMUM

- UNLESS NOTED OTHERWISE.

- INSIDE WALLS
- OR APPROVAL EQUAL.
- AT CONTRACTOR'S EXPENSE.

- BROUGHT TO SPRING LINE FOR RCP PIPE.

- BE MAINTAINED ON SITE THROUGHOUT CONSTRUCTION.

- PROJECT CONSTRUCTION ENTRANCE

- SIDES OF THE PUBLIC ROADWAY).

- EACH INSPECTION.

## CONSTRUCTION AND PAVING GENERAL NOTES (CONT.)

23. FIRE LANES SHALL BE CONSTRUCTED OF A CONCRETE OR ASPHALT SURFACE TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES. PAVING AND SUBGRADE SHALL BE DESIGNED TO LOCAL ROAD STANDARDS AT A

VERTICAL CONSTRUCTION, FIRE LANES, WATER MAINS, AND FIRE HYDRANTS SHALL BE INSTALLED, OPERATIONALLY CONSTRUCTED AND ACCEPTED BY OWNER PRIOR TO ANY CONSTRUCTION ABOVE THE FOUNDATION.

25. CONTRACTOR SHALL ENSURE THERE ARE NO OBSTRUCTIONS OR OVERHANGS TO SIDEWALKS (I.E., FIRE HYDRANTS, POWER POLES, ETC.)

BARRIER FREE RAMPS (BFR) AT DRIVEWAYS: IF THERE IS NO CHANGE FROM THE SIDEWALK TO THE DRIVEWAY AND IF THE CURB IS TAPERED TO ZERO AT EACH END OF THE SIDEWALK, THEN A BARRIER FREE RAMP (BFR) IS NOT REQUIRED.

27. ADA ACCESSIBLE PEDESTRIAN ROUTES ON PUBLIC RIGHTS-OF-WAY AND PRIVATE PROPERTY SHALL COMPLY WITH THE AMERICANS DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND TEXAS ACCESSIBILITY STANDARDS (TAS). DESIGN AND CONSTRUCTION OF ALL CURB RAMPS ON PUBLIC RIGHTS-OF-WAY SHALL BE IN ACCORDANCE WITH TEXAS DEPARTMENT OF TRANSPORTATION STANDARD DETAIL SHEET PED-12A. SHEETS 1 THROUGH 4. CURB RAMPS THAT ARE PART OF ACCESSIBLE ROUTES ON PRIVATE PROPERTY MAY BE CONSTRUCTED IN ACCORDANCE WITH TXDOT STANDARD DETAIL PED-12A, SHEETS 1 THROUGH 4, OR MAY BE CONSTRUCTED IN ACCORDANCE WITH A DESIGN SUBMITTED AND APPROVED BY THE TEXAS DEPARTMENT OF LICENSING AND REGULATION.

## GRADING AND DRAINAGE GENERAL NOTES

1. SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A RUNNING SLOPE NO GREATER THAN 5% AND A CROSS FALL NO GREATER THAN 2%

2. GRADING OF ALL ACCESSIBLE SPACES AND ROUTES TO CONFORM TO STATE, LOCAL, AND FEDERAL GUIDELINES. 3. ALL STORM DRAIN LINES TO BE RCP C-76, CLASS III IN COMPLIANCE WITH NCTCOG SPECIFICATIONS UNLESS OTHERWISE NOTED. 4. PVC STORM DRAIN LINES (IF UTILIZED) SHALL BE WHITE IN COLOR WITH STORM DRAIN MARKING TAPE APPLIED 12" ABOVE PIPE. 5. STORM DRAIN CONNECTIONS TO MANHOLES, INLETS AND JUNCTION BOXES SHALL REQUIRE FORMED CONCRETE COLLAR WITH 2 LOOPS

OF #4 REBAR AND CROSS PIECES AT 12" CENTERS. ALL CONNECTIONS SHALL BE WIPED SMOOTH WITH NON SHRINK GROUT ON THE

6. UNLESS NOTED, GRATE INLET TO BE "AMERICAN INDUSTRIAL, PRE-CAST PRODUCTS, INC." PRECAST CATCH BASIN SIZED AS SHOWN.

7. FINAL PAVING, CURB, AND SIDEWALK ELEVATIONS WILL BE PLACED AT PLUS OR MINUS 0.03 FOOT.

8. REFER TO LANDSCAPE SPECIFICATION FOR SEEDING AND SODDING REQUIREMENTS.

9. ANY CONCRETE ROCK OR MATERIAL DEEMED UNSUITABLE FOR SUBGRADE, BY ENGINEER, SHALL BE DISPOSED OF OFFSITE LEGALLY

10. EXCESS EXCAVATED MATERIAL SHALL NOT BE DEPOSITED IN LOW AREAS OR ALONG NATURAL DRAINAGE WAY WITHOUT WRITTEN PERMISSION FROM THE PROPERTY OWNER. IF THE CONTRACTOR PLACES EXCESS MATERIAL IN THE AREAS WITHOUT WRITTEN PERMISSION, HE WILL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM SUCH FILL AND HE SHALL REMOVE THE MATERIAL AT HIS OWN COSTS IF THE ENGINEER SO DIRECTS.

11. EMBEDMENT SHALL CONFORM TO THE STORM SEWER SPECIFICATIONS AND NCTCOG SPEC ITEM 501.6

12. ALL CONCRETE FOR INLETS AND DRAINAGE STRUCTURES SHALL CONFORM TO NCTCOG ITEM 702,2,4.2, CLASS "A" UNLESS OTHERWISE SHOWN ON THESE PLANS.

13. 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 THE CRUSHED STONE BEDDING. BEDDING MATERIAL SHALL BE

14. IF CONSTRUCTION ACTIVITIES REQUIRE, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTOR'S EXPENSE.

15. ALL SLOPES SHALL BE CONSTRUCTED 4H:1V OR FLATTER IN AREAS OF CUT OR FILL.

16. THE CONTRACTOR SHALL OBTAIN A GRADING PERMIT FROM OWNER AND PARTICIPATE IN A PRE-CONSTRUCTION MEETING PRIOR TO MOBILIZATION AND CONSTRUCTION.

17. THE CONTRACTOR SHALL COMPLETE FILL OPERATIONS PRIOR TO INSTALLING ANY UTILITIES (I.E. WATER, SEWER, STORM WATER) AFTER FILL OPERATIONS ARE COMPLETED, THE CONTRACTOR SHALL EXCAVATE THE UTILITY TRENCH, INSTALL UTILITIES, COMPACT

TRENCH AND ENSURE ALL PUBLIC WORKS INSPECTIONS ARE PROPERLY PERFORMED. 18. PVC TO RCP CONNECTIONS WILL REQUIRE INSERTING TEE FITTINGS FOR THE CONNECTION ONLY.

19. STORM DRAIN GRATES MUST BE BICYCLE RATED FOR SAFETY.

## STORM WATER POLLUTION CONTROL GENERAL NOTES

1. CONSTRUCTION ACTIVITY IN THE CITY OF ARLINGTON SHALL COMPLY WITH THE REQUIREMENTS OF THE TPDES GENERAL PERMIT TXR150000 AND ALL APPLICABLE CITY OF ARLINGTON ORDINANCES.

2. NO CONSTRUCTION RELATED ACTIVITIES MAY BEGIN ON THE PROJECT SITE UNTIL A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN ACCEPTED BY THE CITY. AND THE CITY AND/OR CONTRACTOR SITE NOTICES ARE POSTED ON SITE. SWPPP DOCUMENTATION AND RECORDS SHALL

3. IF FIVE (5) ACRES OR GREATER WILL BE DISTURBED, A NOI MUST BE SUBMITTED TO TCEQ AND THE CITY PRIOR TO THE START OF CONSTRUCTION RELATED ACTIVITIES. 4. REVISIONS TO THE SWPPP SHALL BE DATED AND INITIALED BY THE PERMITTEE OR HIS REPRESENTATIVE.

5. AREAS TO REMAIN UNDISTURBED AND/OR TO BE PROTECTED DURING CONSTRUCTION (INCLUDING ALL WATER BODIES, WETLAND AREAS, EROSION CLEAR ZONES, DRIP LINE OF TREES TO REMAIN AFTER CONSTRUCTION, NATURAL AREAS, ETC.) SHALL BE CLEARLY DELINEATED PRIOR TO THE START OF CONSTRUCTION.

6. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED AND FUNCTIONING PRIOR TO ANY EARTH DISTURBING ACTIVITIES. THEY SHALL REMAIN IN PLACE UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND/OR UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED

7. REFER TO THE CITY OF ARLINGTON DESIGN CRITERIA MANUAL AND THE ISWM CONSTRUCTION CONTROLS MANUAL FOR SELECTION AND DESIGN OF STORM WATER CONTROLS. 8. CONSTRUCTION WASTE, DEBRIS AND SOIL BLOWN, TRACKED OR WASHED FROM THE SITE DURING CONSTRUCTION ACTIVITY SHALL BE CLEANED UP DAILY.

9. EROSION CONTROL PLANS ARE CONSIDERED MINIMUM REQUIREMENTS. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND SEDIMENTATION.

10. WETLANDS AND STREAMS SHALL BE PROTECTED AT ALL TIMES DURING CONSTRUCTION WITH EROSION AND SEDIMENT CONTROLS AS WELL AS NATURAL BUFFERS. ALL APPLICABLE PERMITS MUST BE OBTAINED PRIOR TO CONSTRUCTION IN FLOODPLAIN, WETLANDS AND/OR STREAMS. ANY WORK IN A FLOODPLAIN AND/OR STREAM SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND PERMITS

11. IF SOIL DISTURBANCE IS OCCURRING WITHIN A CITY OF ARLINGTON EASEMENT, AN EASEMENT USE AGREEMENT MUST BE OBTAINED PRIOR TO CONSTRUCTION. 12. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AND MAINTAINED ON THE PROJECT SITE.

13. STORM WATER INLET PROTECTION SHALL BE PROVIDED FOR ALL INLETS (UPSTREAM AND DOWNSTREAM) WITHIN 50 FT. OF THE CONSTRUCTION ENTRANCE (ON BOTH

14. TO SECURE THE PROJECT SITE, LOCATE LIMITS OF CONSTRUCTION, PROTECT AREAS THAT ARE TO REMAIN UNDISTURBED, AND PREVENT MIGRATION OF CONSTRUCTION DEBRIS. 15. CARE SHALL BE TAKEN WHEN INSTALLING STORMWATER CONTROLS TO NOT OBSCURE ONCOMING TRAFFIC AT INTERSECTIONS, ADJACENT DRIVEWAYS AND THE

16. A QUALIFIED REPRESENTATIVE OF EACH OPERATOR SHALL INSPECT THE CONSTRUCTION ACTIVITY EITHER ONCE EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 1/2-INCH OR GREATER OR WEEKLY AT A SPECIFIED DAY AND TIME REGARDLESS OF PRECIPITATION. A WRITTEN SWPPP INSPECTION REPORT SHALL BE COMPLETED FOR

17. AT A MINIMUM, SEDIMENT SHALL BE REMOVED FROM CONTROLS WHEN THEIR CAPACITY IS REDUCED BY 50% UNLESS MORE FREQUENT CLEANING IS SPECIFIED IN THE SWPPP. 18. IF ANY CONTROL IS FOUND TO BE INEFFECTIVE, INSTALLED INCORRECTLY, OR DAMAGED, IT SHALL BE MODIFIED OR REPLACED WITHIN 7 DAYS OF INSPECTION OR AS REQUIRED BY THE CITY. 19. ALL EXISTING AND NEW STORM WATER STRUCTURES, AFFECTED BY THIS PROJECT, SHALL BE INSPECTED AND MAINTAINED ON THE SAME SCHEDULE AS THE STORMWATER CONTROLS. SEDIMENT DISCHARGED INTO THE MUNICIPAL SEPARATE STORM SEWER SYSTEM (STREETS, GUTTERS, STORM DRAINS, FLUMES, CHANNELS, ETC.) FROM THE CONSTRUCTION ACTIVITY SHALL NOTED IN THE SWPPP INSPECTIONS AND SHALL BE REMOVED WITHIN 7 DAYS OF INSPECTION OR AS REQUIRED BY THE CITY.

20. DURING DRY AND WINDY PERIODS, DISTURBED SOIL SHALL BE SPRINKLED WITH WATER UNTIL DAMPENED AND REPEATED AS NEEDED TO PREVENT DUST GENERATION.

21. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED.

22. THE CONTRACTOR SHALL DESIGNATE AN AREA TO BE USED FOR CONCRETE WASH WATER. A PIT LARGE ENOUGH TO CONTAIN THE WASH WATER WITHOUT OVERFLOWING SHAL BE EXCAVATED. IF CONCRETE PLACEMENT WILL OCCUR OVER A PERIOD OF TIME GREATER THAN A WEEK, A SIGN DESIGNATING THE AREA AS THE CONCRETE WASHOUT AREA SHALL POSTED IN A LOCATION VISIBLE FROM THE STREET

23. SLURRY FROM CONCRETE SAWCUTTING SHALL BE VACUUMED OR RECOVERED BY OTHER MEANS FOR PROPER DISPOSAL. IF A CURB INLET IS NEAR THE PAVEMENT TO BE CUT. THE INLET SHALL BE BLOCKED WITH SANDBAGS DURING SAWCUTTING TO PREVENT SLURRY FROM ENTERING THE STORM DRAIN. 22. SIDEWALKS SHALL HAVE A MINIMUM THICKNESS OF 4-INCHES AND BE CONSTRUCTED OF CONCRETE WITH A MINIMUM CEMENT CONSTRUCTION CROSSINGS IN OR ACROSS ANY WATER BODY OR WETLAND SHALL NOT BE INSTALLED WITHOUT THE PRIOR APPROVAL OF THE APPROPRIATE RESOURCE AGENCIES AND THE CITY.

## STORM WATER POLLUTION CONTROL GENERAL NOTES (CONT.)

- 27. TEMPORARY STOCKPILING OF USEABLE OR WASTE MATERIALS SHALL HAVE APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES INSTALLED. TEMPORARY STOCKPILES SHALL BE PLACED AWAY FROM STORM WATER INLET STRUCTURES, ADJACENT PROPERTY AND PUBLIC ROADWAYS.

- WETLAND AREA, STREAM, FLOODPLAIN, OR LAKE.

25. DISPOSAL OF ALL RECOVERED SEDIMENTS, CONSTRUCTION DEBRIS, OR OTHER POLLUTANTS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CITY, STATE AND FEDERAL REGULATIONS. NO SEDIMENTS, CONSTRUCTION DEBRIS, OR OTHER POLLUTANTS SHALL BE DISPOSED OR FLUSHED INTO THE STORM WATER SYSTEM. 26. STORE ALL TRASH AND WASTE MATERIALS IN COVERED BINS OR OTHER ENCLOSURES UNTIL PROPER DISPOSAL AT OFF- SITE FACILITIES. TRASH AND WASTE SHALL

BE REMOVED FROM THE SITE AT REGULAR INTERVALS TO PREVENT OVERFLOW OF THE CONTAINERS.

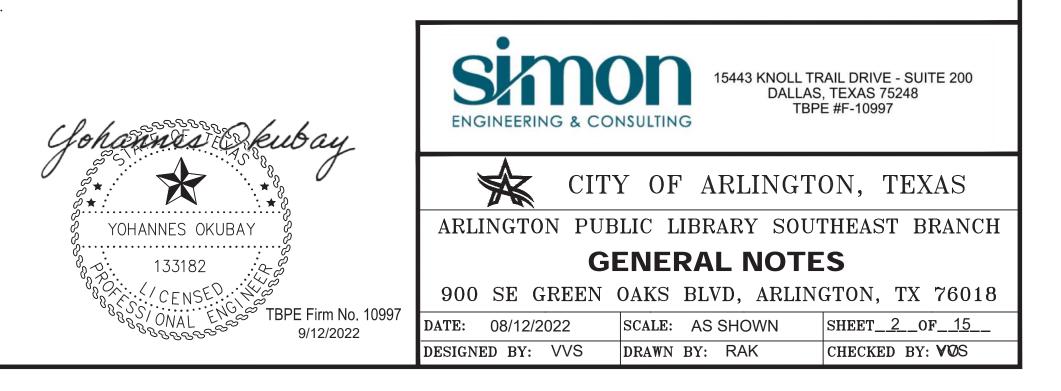
28. APPLICATION OF LIME OR OTHER CHEMICAL STABILIZERS SHALL BE LIMITED TO THE AMOUNT THAT CAN BE MIXED AND COMPACTED BY THE END OF EACH WORKING DAY. STABILIZER SHALL BE APPLIED AT RATES THAT RESULT IN NO RUNOFF FROM THE SITE. STABILIZATION SHALL BE DELAYED IF RAIN IS FORECAST FOR THE WORKING DAY. NO TRAFFIC OTHER THAN WATER TRUCKS AND MIXING EQUIPMENT SHALL PASS OVER THE SPREAD STABILIZER UNTIL AFTER MIXING IS COMPLETED.

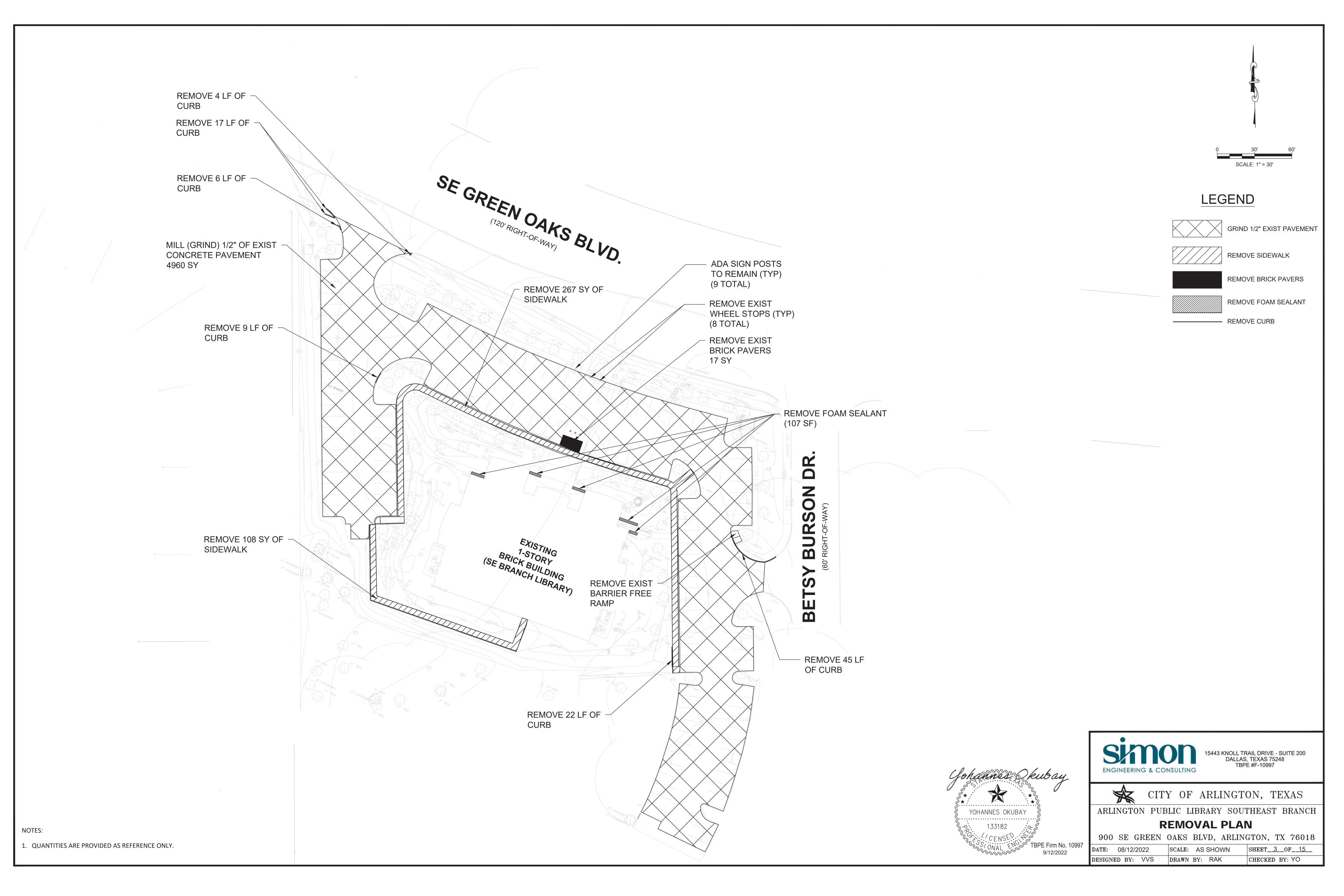
29. HAZARDOUS MATERIALS SHALL BE STORED IN CLOSED CONTAINERS, AND THE CONTAINERS SHALL BE PLACED IN A SHELTER THAT PREVENTS CONTACT WITH RAINFALL AND RUNOFF. THE AMOUNT OF HAZARDOUS MATERIALS STORED ON- SITE SHALL BE MINIMIZED AND LIMITED TO THE MATERIALS NECESSARY FOR THE CURRENT PHASE OF CONSTRUCTION. HAZARDOUS MATERIAL STORAGE SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

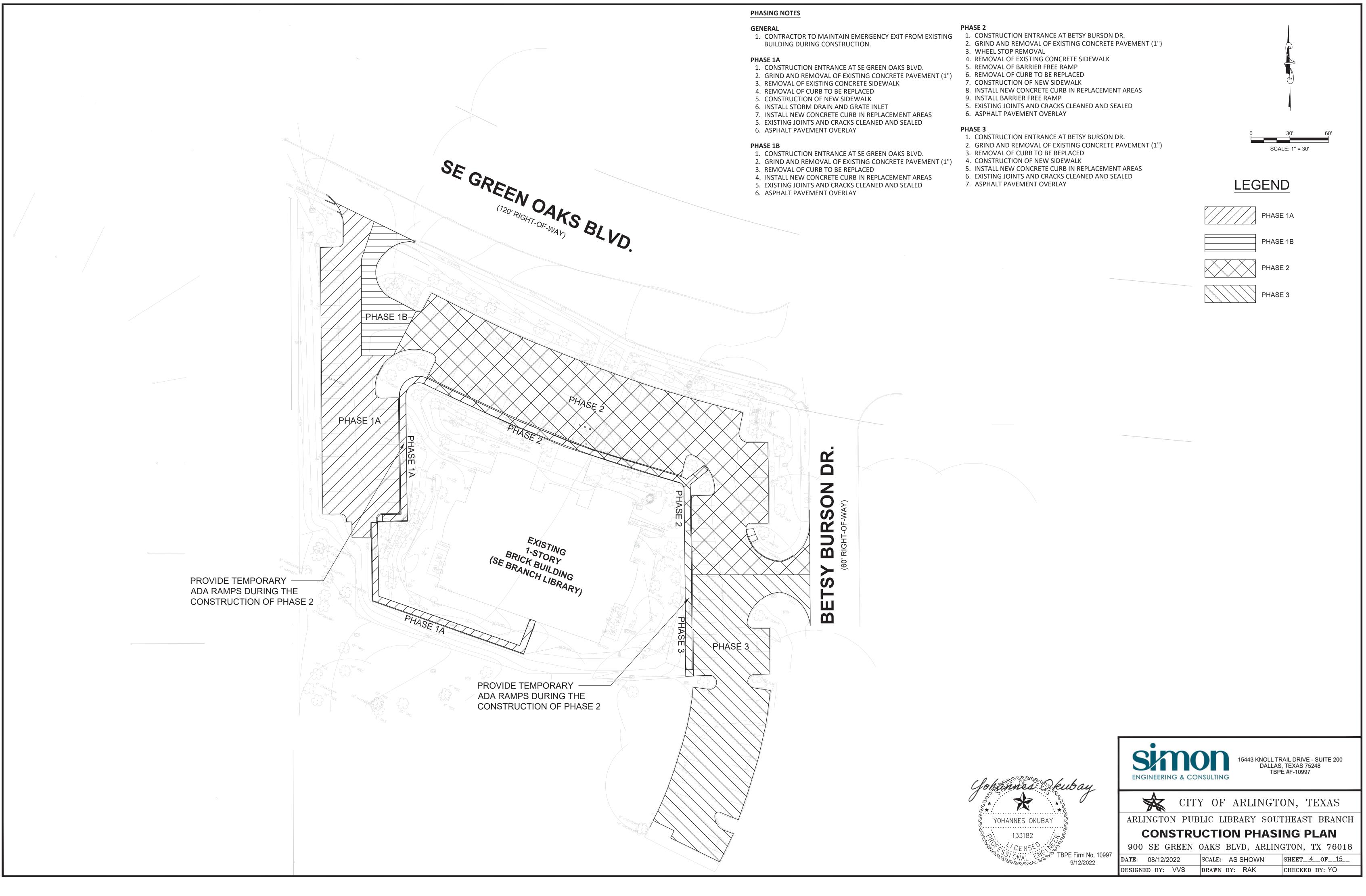
30. SPILLS AND RELEASES OF ANYTHING OTHER THAN STORM WATER SHALL BE IMMEDIATELY REPORTED TO THE CITY OF ARLINGTON. IN ADDITION, SPILLS AND RELEASES OF HAZARDOUS MATERIALS GREATER THAN THE REGULATED REPORTABLE QUANTITY SHALL BE REPORTED TO STATE AND FEDERAL AUTHORITIES WITHIN 24 HOURS. 31. SUPER-CHLORINATED WATER FROM WATER LINE DISINFECTION SHALL NOT BE ALLOWED TO ENTER THE STORM DRAINAGE SYSTEM.

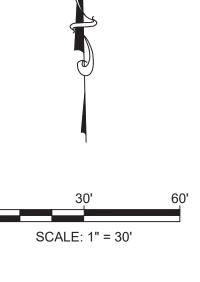
32. PORTABLE TOILET FACILITIES SHALL NOT BE LOCATED WITHIN 25 FT. OF ANY STORM WATER STRUCTURE AND/OR WITHIN 50 FT. OF ANY WATERCOURSE,

33. DISCHARGE FROM DEWATERING ACTIVITIES SHALL BE RELEASED THROUGH AN ON-SITE SEDIMENT TRAP OR BASIN, THROUGH AN UNDISTURBED AREA THROUGH A NON-EROSIVE OUTLET, OR INTO A DIRT BAG (120Z. NON-WOVEN FABRIC) OR APPROVED EQUIVALENT LOCATED IN AN UNDISTURBED AREA. 34. SMALL SITES CONSTRUCTED AS PART OF A LARGER COMMON PLAN OF DEVELOPMENT REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL SITE CONSTRUCTION. INDIVIDUAL SMALL CONSTRUCTION SITES SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR PROVIDE AN INDIVIDUAL PLAN. 35. THE SITE SHALL BE CONSIDERED PERMANENTLY STABILIZED WHEN ALL SURFACE DISTURBING ACTIVITIES ARE COMPLETE AND A UNIFORM (E.G., EVENLY DISTURBED WITHOUT LARGE BARE AREAS) PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED 36. BY PERMANENT STRUCTURES ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS PERMANENTLY STABILIZED.

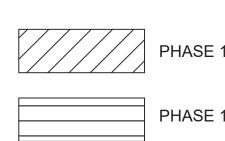


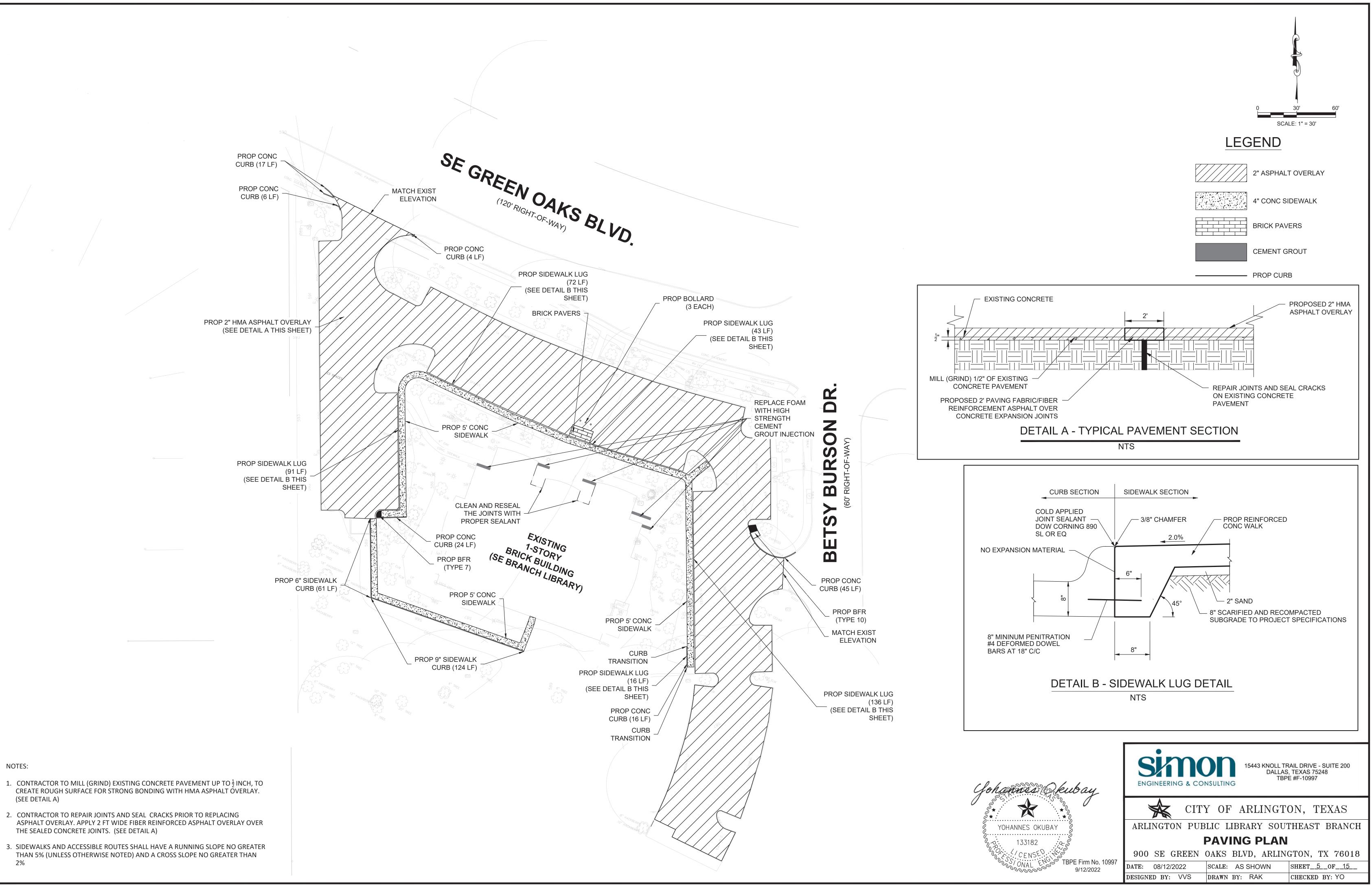








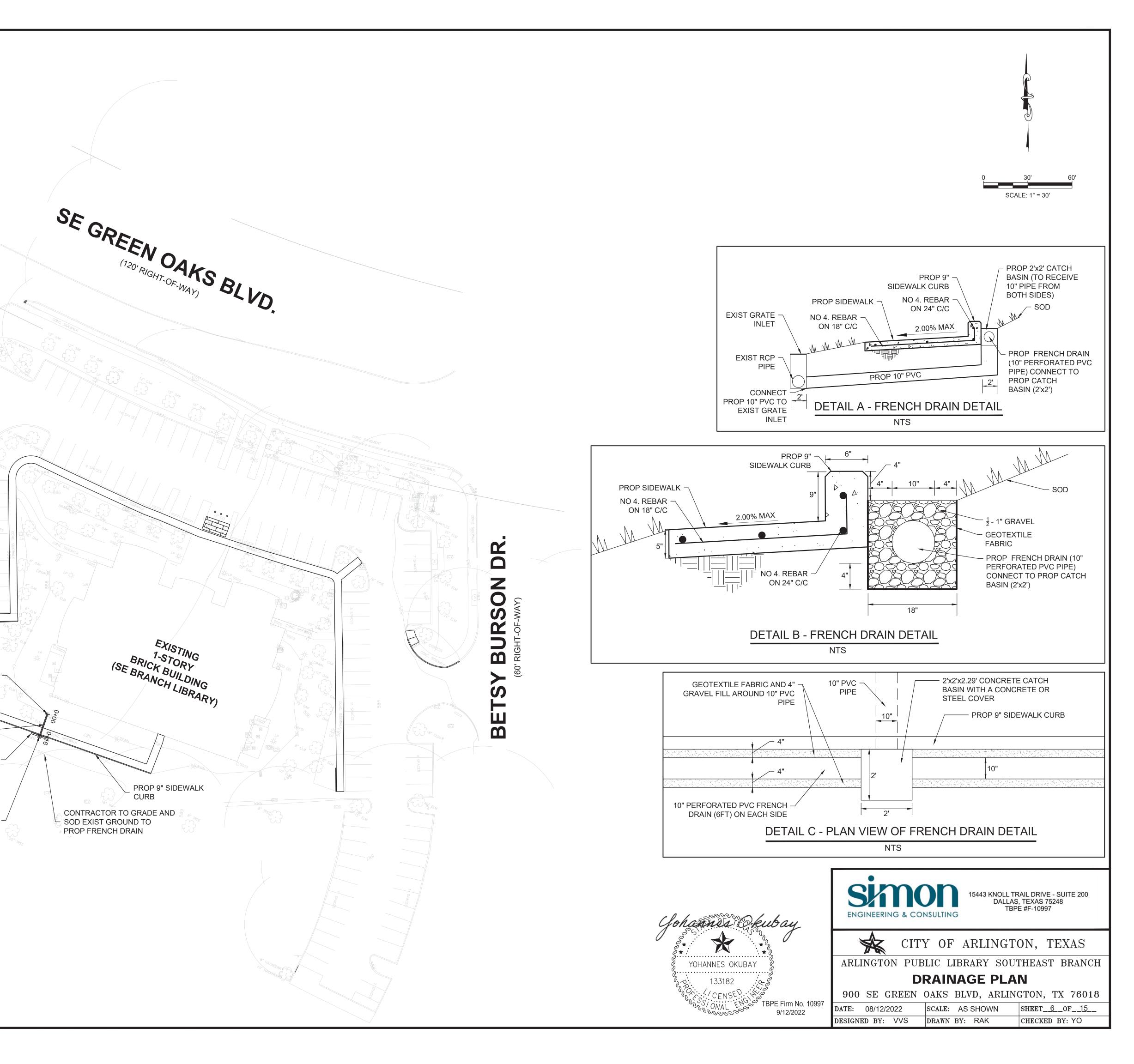


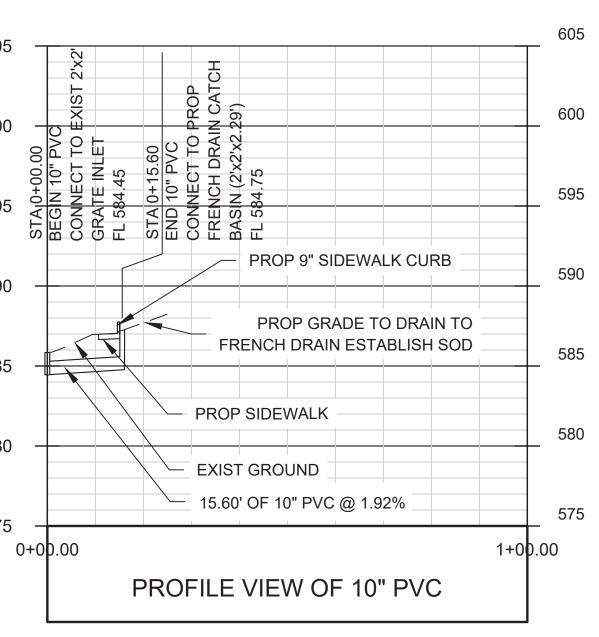


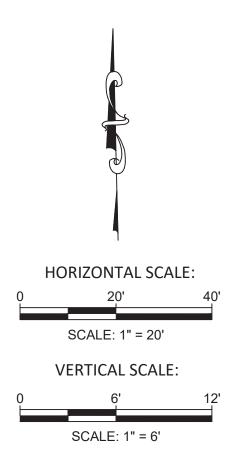
STATION=0+00.00 BEGIN 10" PVC CONNECT TO EXIST 2'x2' GRATE INLET RIM: 585.84 FL: 584.45 N=6924021.2623 E=2400738.8444 (CONTRACTOR TO FIELD VERIFY)

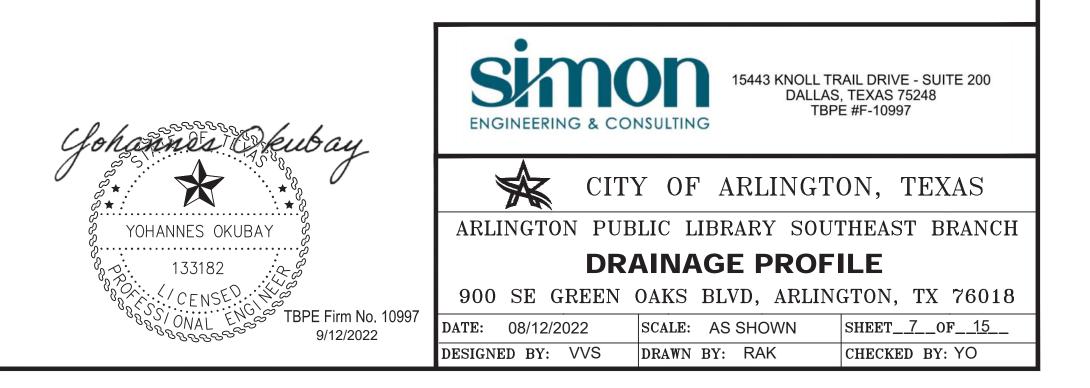
12' FRENCH DRAIN (10" DIA PVC @ 0.5% MIN) REFER TO DETAIL A,B & C ---(THIS SHEET)

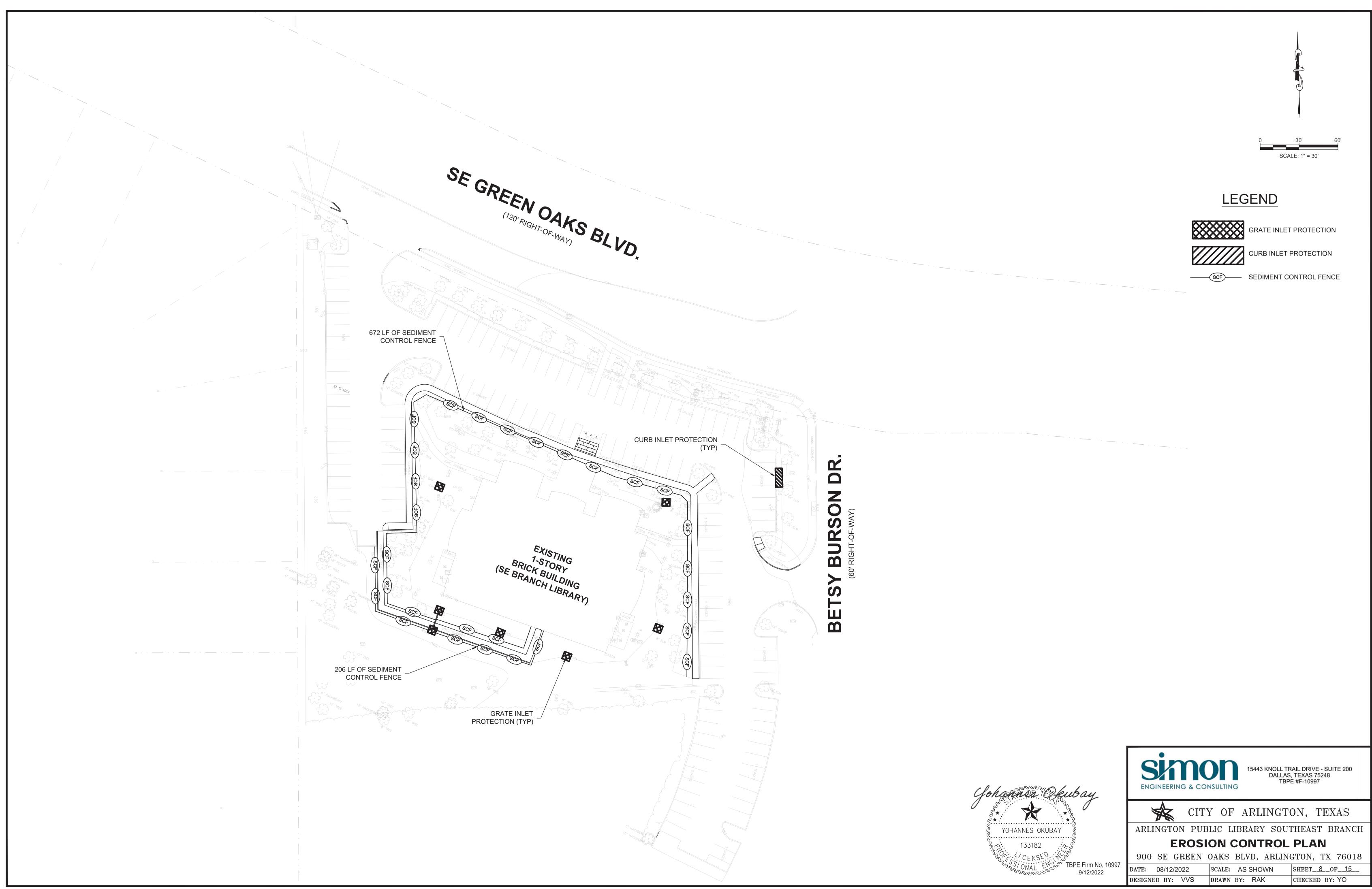
STATION=0+15.60 END 10" PVC CONNECT TO PROP FRENCH DRAIN CATCH BASIN (2'x2'x2.29') RIM: 587.04 FL: 584.75 N=6924005.1655 E=2400730.8056

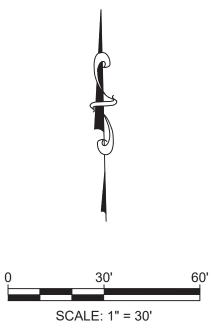


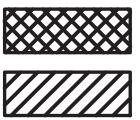


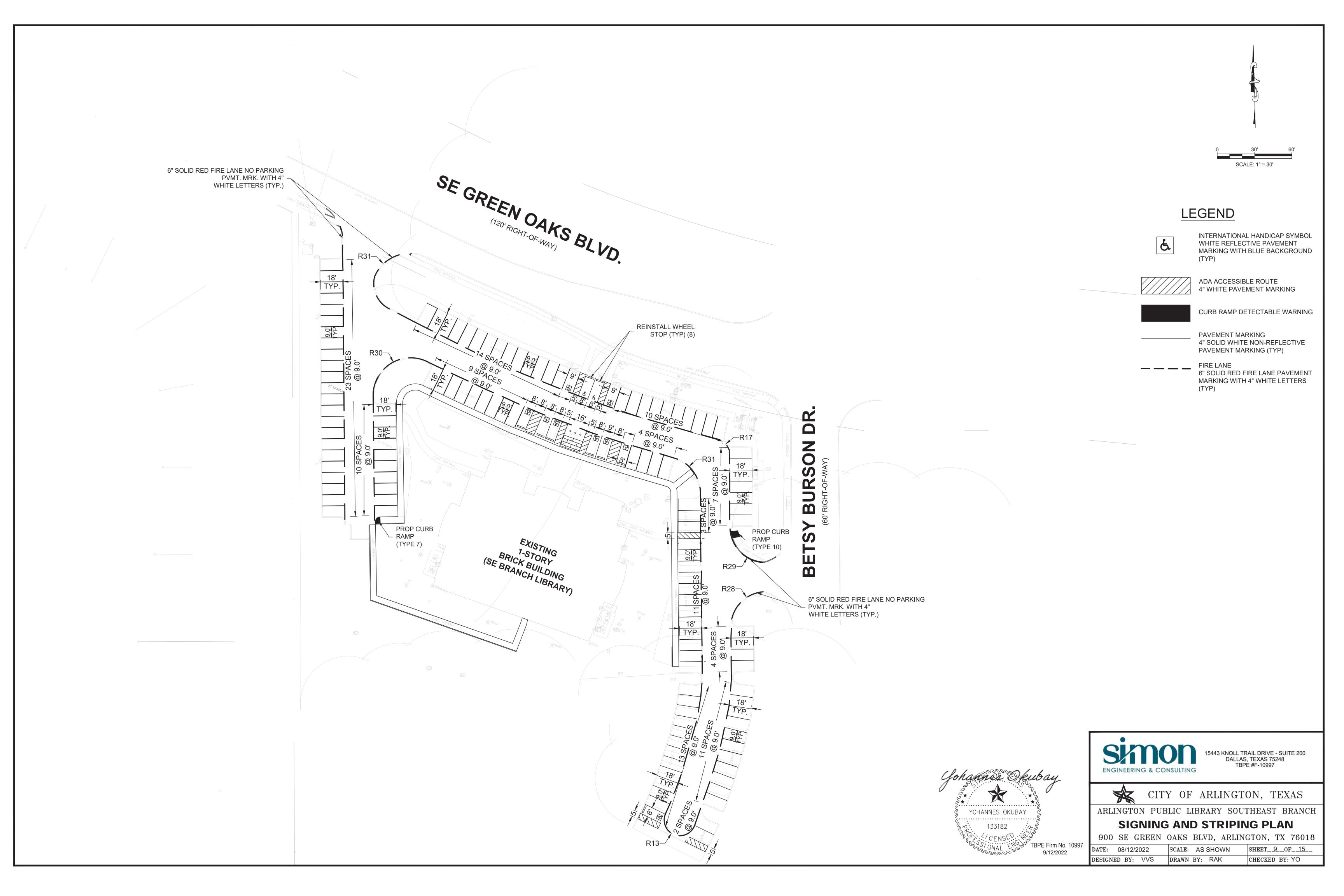


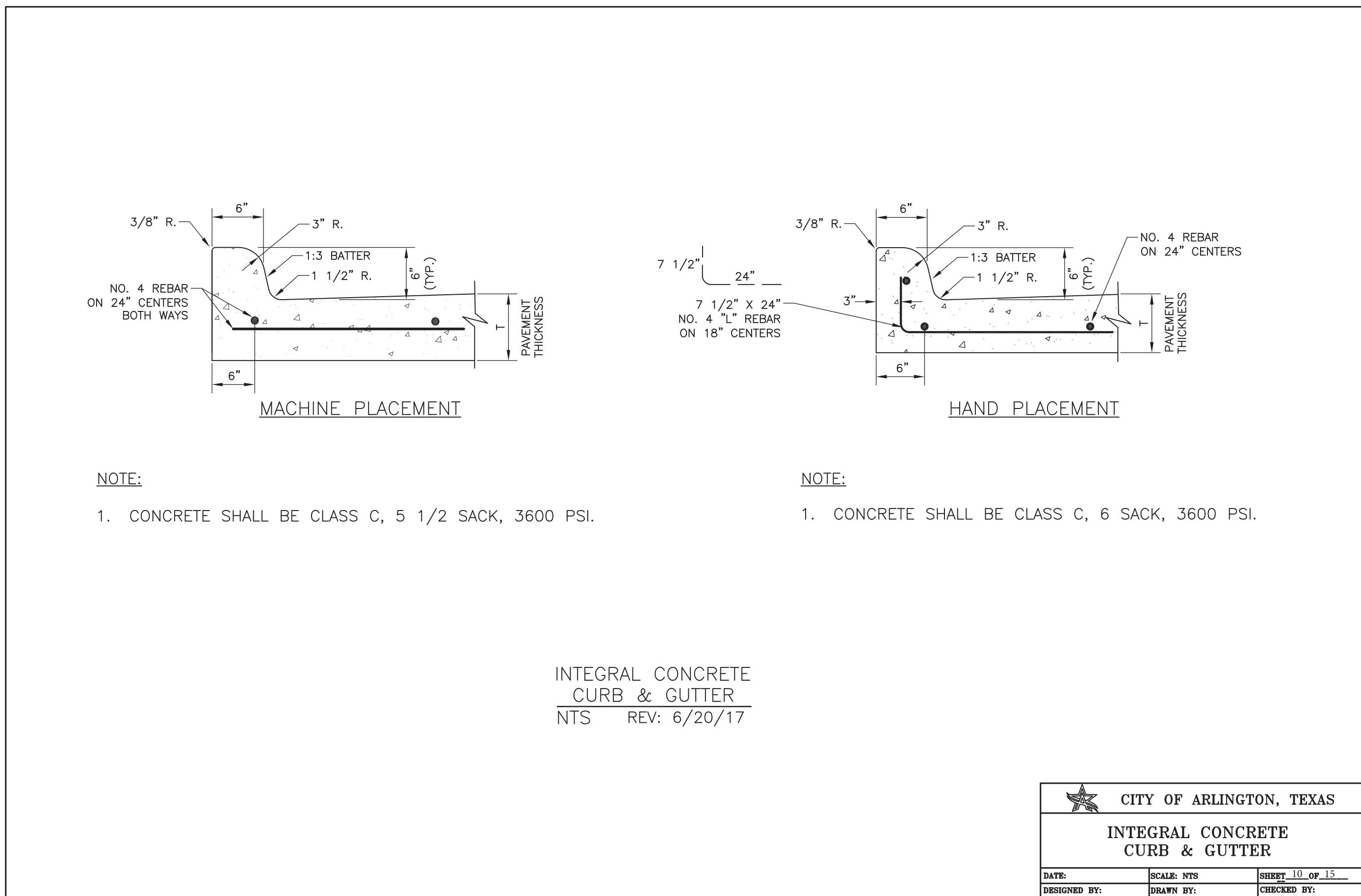


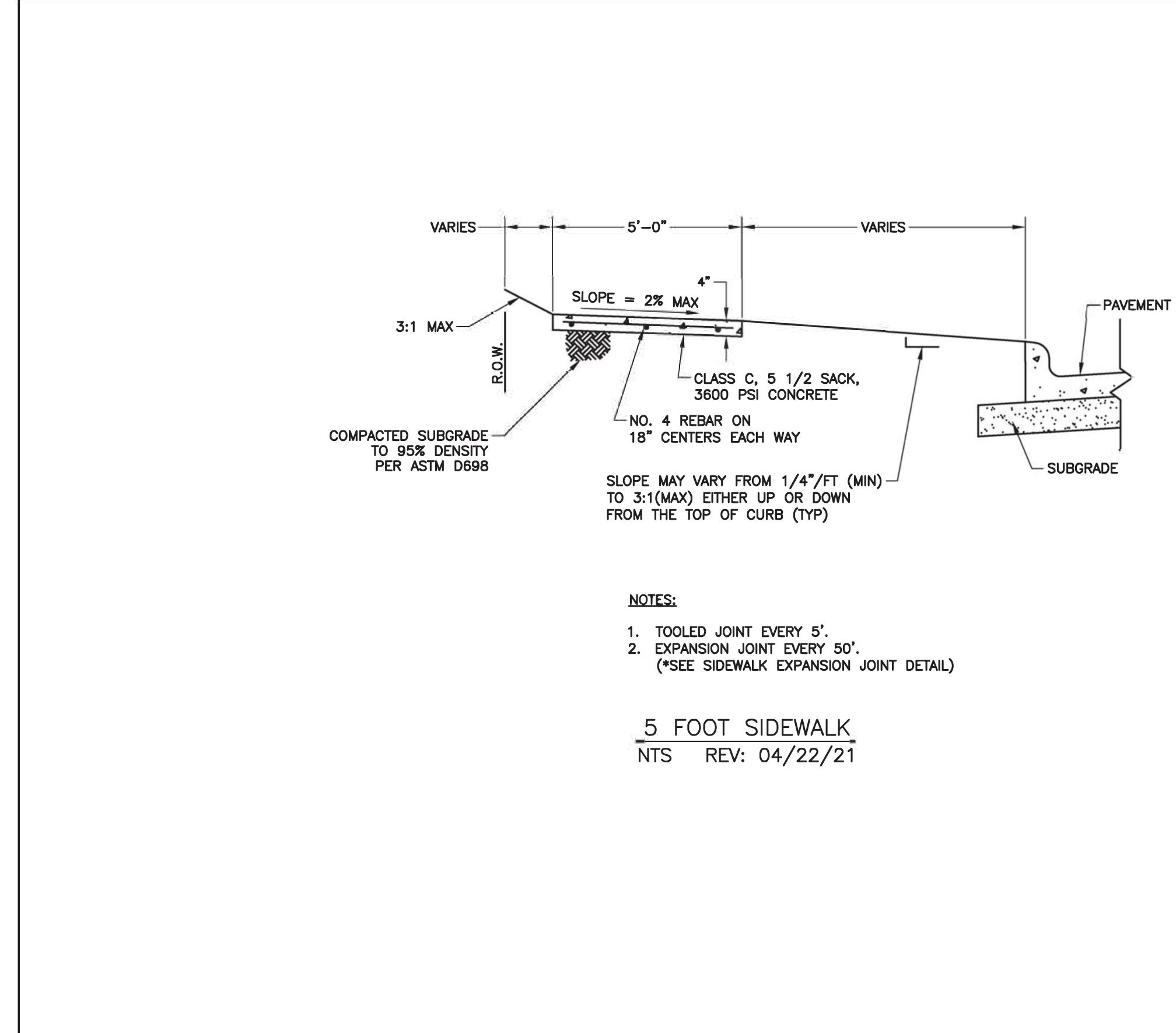




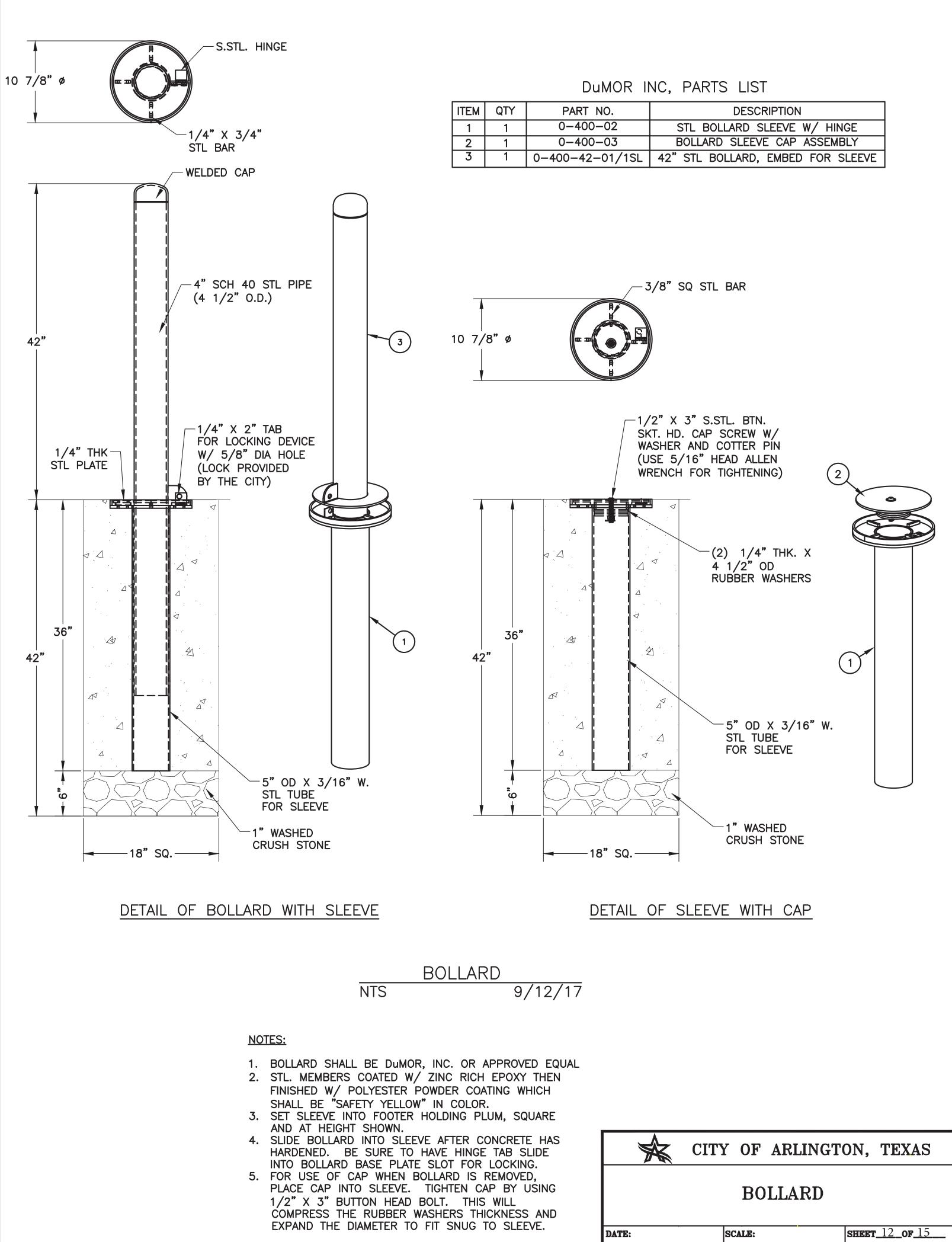




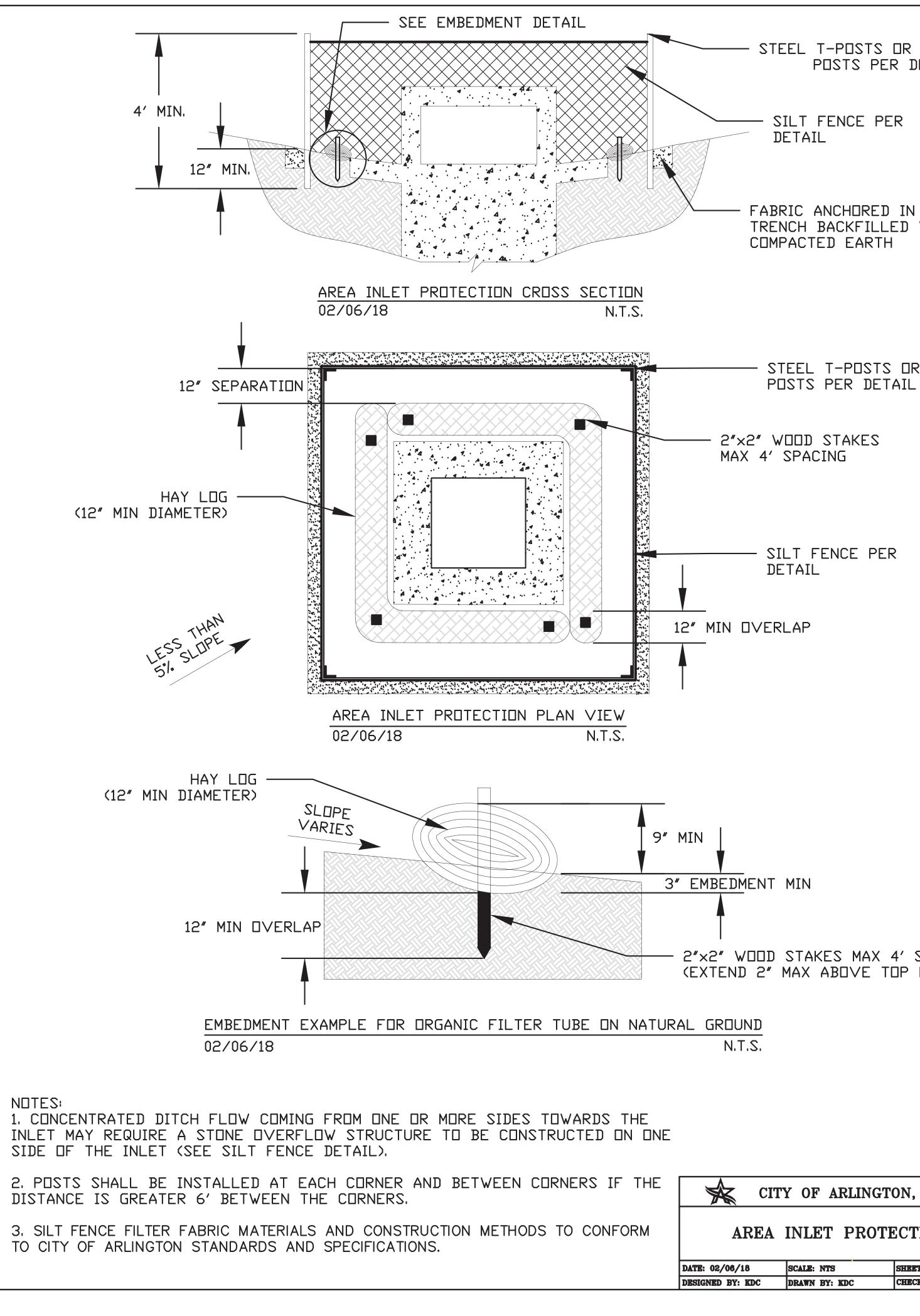




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DESIGNED BY:	DRAWN BY:	CHECKED BY:



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