

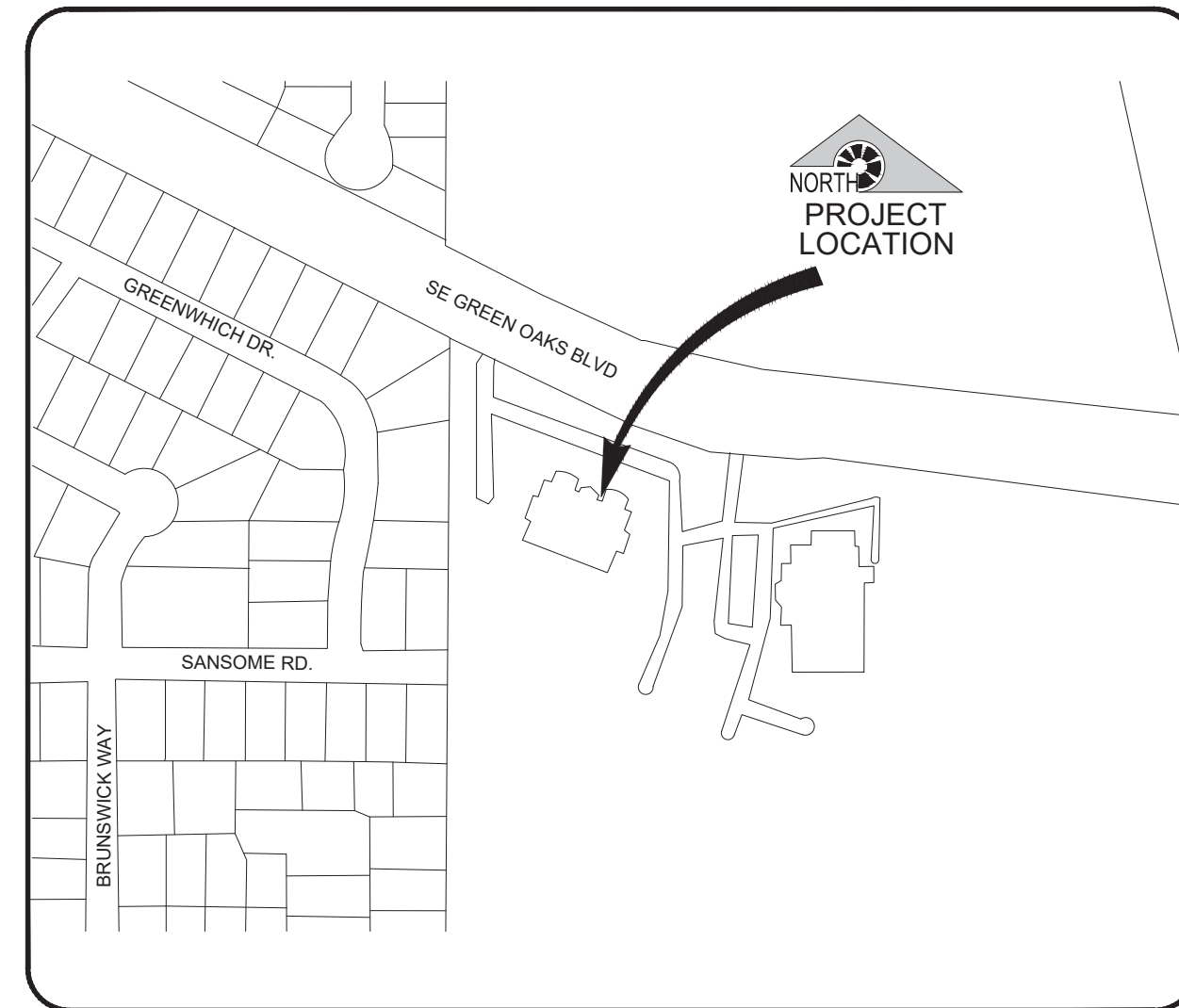
# City of Arlington, Texas

## PAVING AND SIDEWALK IMPROVEMENTS

FOR

### ARLINGTON PUBLIC LIBRARY (SOUTHEAST BRANCH)

900 SE GREEN OAKS BLVD  
ARLINGTON, TX 76018



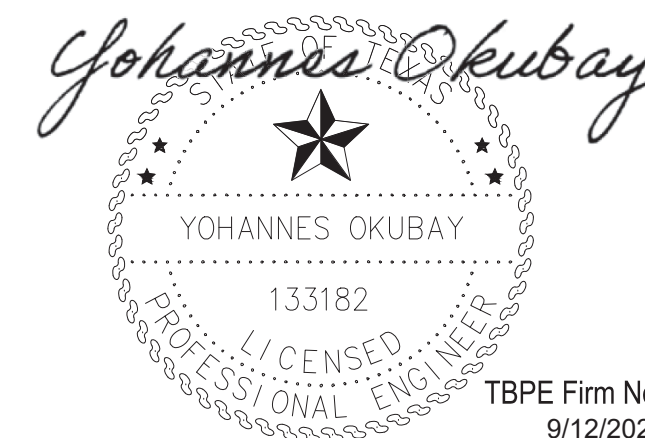
VICINITY MAP

Project No. 21-2171



SHEET No.	DESCRIPTION
1	QUANTITIES SUMMARY
2	GENERAL NOTES
3	REMOVAL PLAN
4	CONSTRUCTION PHASING PLAN
5	PAVING PLAN
6	DRAINAGE PLAN
7	DRAINAGE PROFILE
8	EROSION CONTROL PLAN
9	SIGNING AND STRIPING PLAN
10-15	CONSTRUCTION DETAILS

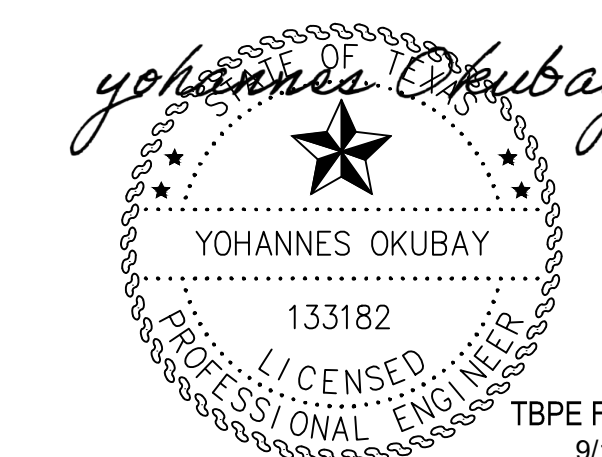
**simon**  
ENGINEERING & CONSULTING  
15443 KNOLL TRAIL DRIVE - SUITE 200  
DALLAS, TEXAS 75248  
TBPE #F-10997



TBPE Firm No. 10997  
9/12/2022

**CITY OF ARLINGTON  
SE BRANCH LIBRARY PARKING LOT REPLACEMENT  
QUANTITY SUMMARY**

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



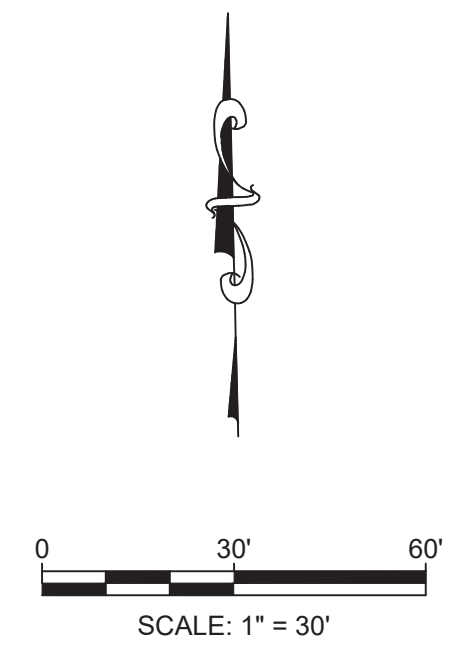
TBPE Firm No. 10997  
9/12/2022



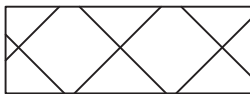
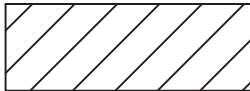



**CITY OF ARLINGTON, TEXAS**  
ARLINGTON PUBLIC LIBRARY SOUTHEAST BRANCH  
**QUANTITIES SUMMARY**  
900 SE GREEN OAKS BLVD, ARLINGTON, TX 76018

DATE: 08/12/2022	SCALE: AS SHOWN	SHEET 1 OF 15
DESIGNED BY: VVS	DRAWN BY: RAK	CHECKED BY: YO





**LEGEND**

-  GRIND 1/2" EXIST PAVEMENT
-  REMOVE SIDEWALK
-  REMOVE BRICK PAVERS
-  REMOVE FOAM SEALANT
-  REMOVE CURB

REMOVE 4 LF OF CURB  
 REMOVE 17 LF OF CURB  
 REMOVE 6 LF OF CURB  
 MILL (GRIND) 1/2" OF EXIST CONCRETE PAVEMENT 4960 SY

REMOVE 9 LF OF CURB

REMOVE 108 SY OF SIDEWALK

**SE GREEN OAKS BLVD.**  
 (120' RIGHT-OF-WAY)

REMOVE 267 SY OF SIDEWALK

ADA SIGN POSTS TO REMAIN (TYP) (9 TOTAL)

REMOVE EXIST WHEEL STOPS (TYP) (8 TOTAL)

REMOVE EXIST BRICK PAVERS 17 SY

REMOVE FOAM SEALANT (107 SF)

**BETSY BURSON DR.**  
 (60' RIGHT-OF-WAY)

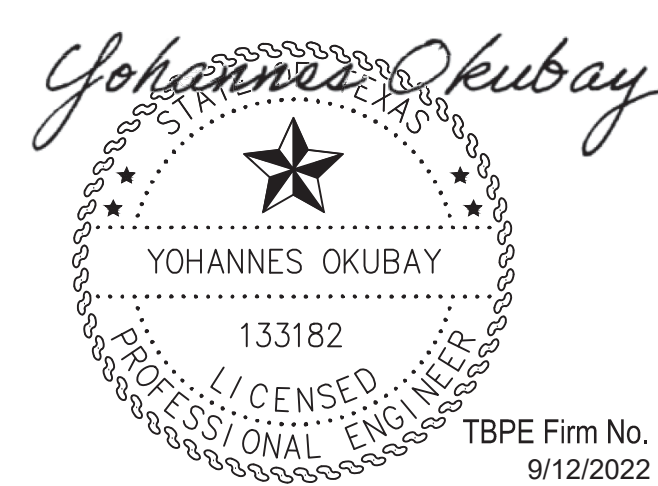
REMOVE 45 LF OF CURB

EXISTING 1-STORY BRICK BUILDING (SE BRANCH LIBRARY)



REMOVE EXIST BARRIER FREE RAMP

REMOVE 22 LF OF CURB

NOTES:  
 1. QUANTITIES ARE PROVIDED AS REFERENCE ONLY.



TBPE Firm No. 10997  
 9/12/2022

 <b>simon</b> ENGINEERING & CONSULTING		
15443 KNOLL TRAIL DRIVE - SUITE 200 DALLAS, TEXAS 75248 TBPE #F-10997		
 <b>CITY OF ARLINGTON, TEXAS</b>		
<b>ARLINGTON PUBLIC LIBRARY SOUTHEAST BRANCH</b>		
<b>REMOVAL PLAN</b>		
<b>900 SE GREEN OAKS BLVD, ARLINGTON, TX 76018</b>		
DATE: 08/12/2022	SCALE: AS SHOWN	SHEET <u>3</u> OF <u>15</u>
DESIGNED BY: VVS	DRAWN BY: RAK	CHECKED BY: YO

**PHASING NOTES**

**GENERAL**

1. CONTRACTOR TO MAINTAIN EMERGENCY EXIT FROM EXISTING BUILDING DURING CONSTRUCTION.

**PHASE 1A**

1. CONSTRUCTION ENTRANCE AT SE GREEN OAKS BLVD.
2. GRIND AND REMOVAL OF EXISTING CONCRETE PAVEMENT (1")
3. REMOVAL OF EXISTING CONCRETE SIDEWALK
4. REMOVAL OF CURB TO BE REPLACED
5. CONSTRUCTION OF NEW SIDEWALK
6. INSTALL STORM DRAIN AND GRATE INLET
7. INSTALL NEW CONCRETE CURB IN REPLACEMENT AREAS
5. EXISTING JOINTS AND CRACKS CLEANED AND SEALED
6. ASPHALT PAVEMENT OVERLAY

**PHASE 1B**

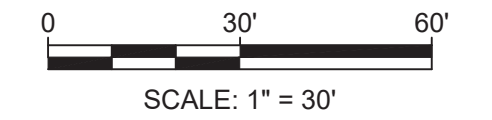
1. CONSTRUCTION ENTRANCE AT SE GREEN OAKS BLVD.
2. GRIND AND REMOVAL OF EXISTING CONCRETE PAVEMENT (1")
3. REMOVAL OF CURB TO BE REPLACED
4. INSTALL NEW CONCRETE CURB IN REPLACEMENT AREAS
5. EXISTING JOINTS AND CRACKS CLEANED AND SEALED
6. ASPHALT PAVEMENT OVERLAY

**PHASE 2**

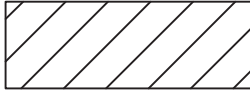
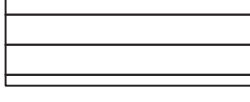


1. CONSTRUCTION ENTRANCE AT BETSY BURSON DR.
2. GRIND AND REMOVAL OF EXISTING CONCRETE PAVEMENT (1")
3. WHEEL STOP REMOVAL
4. REMOVAL OF EXISTING CONCRETE SIDEWALK
5. REMOVAL OF BARRIER FREE RAMP
6. REMOVAL OF CURB TO BE REPLACED
7. CONSTRUCTION OF NEW SIDEWALK
8. INSTALL NEW CONCRETE CURB IN REPLACEMENT AREAS
9. INSTALL BARRIER FREE RAMP
5. EXISTING JOINTS AND CRACKS CLEANED AND SEALED
6. ASPHALT PAVEMENT OVERLAY

**PHASE 3**

1. CONSTRUCTION ENTRANCE AT BETSY BURSON DR.
2. GRIND AND REMOVAL OF EXISTING CONCRETE PAVEMENT (1")
3. REMOVAL OF CURB TO BE REPLACED
4. CONSTRUCTION OF NEW SIDEWALK
5. INSTALL NEW CONCRETE CURB IN REPLACEMENT AREAS
6. EXISTING JOINTS AND CRACKS CLEANED AND SEALED
7. ASPHALT PAVEMENT OVERLAY

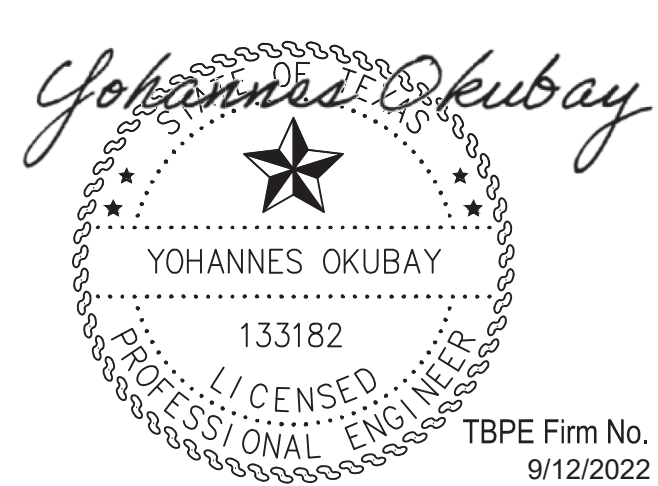
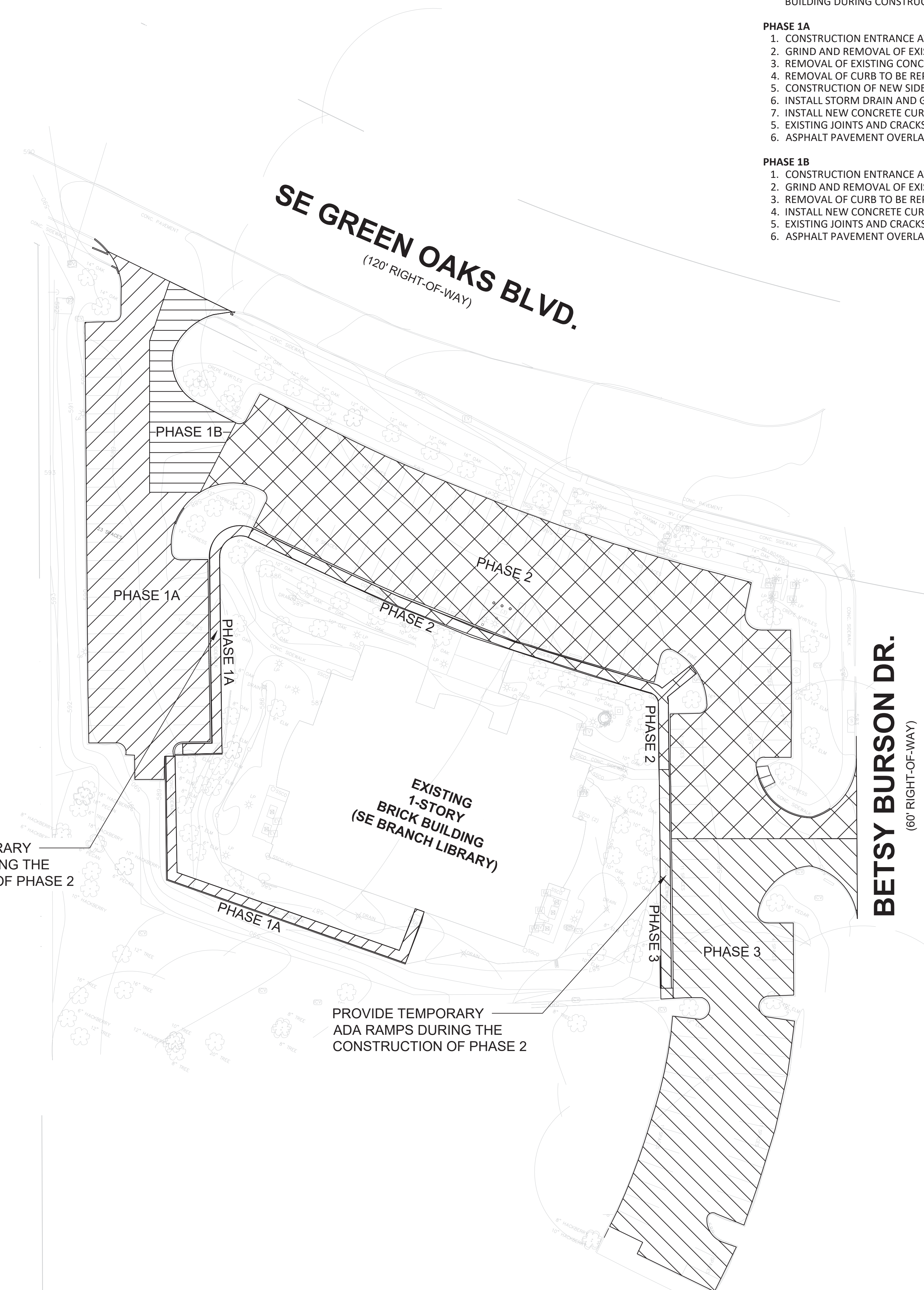


**LEGEND**



-  PHASE 1A
-  PHASE 1B
-  PHASE 2
-  PHASE 3

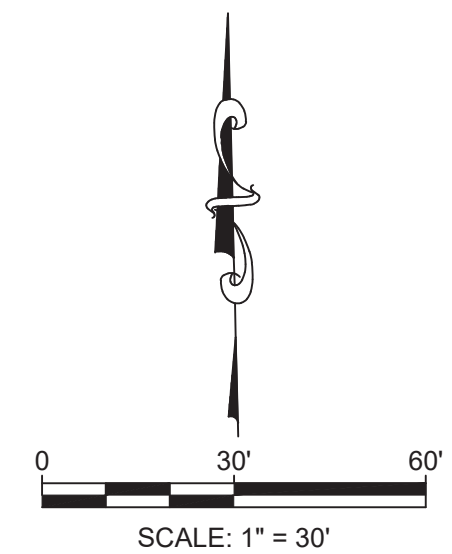
PROVIDE TEMPORARY ADA RAMPS DURING THE CONSTRUCTION OF PHASE 2

PROVIDE TEMPORARY ADA RAMPS DURING THE CONSTRUCTION OF PHASE 2

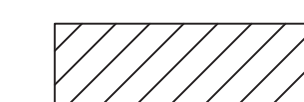
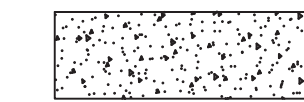
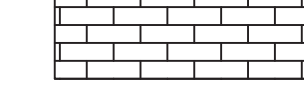




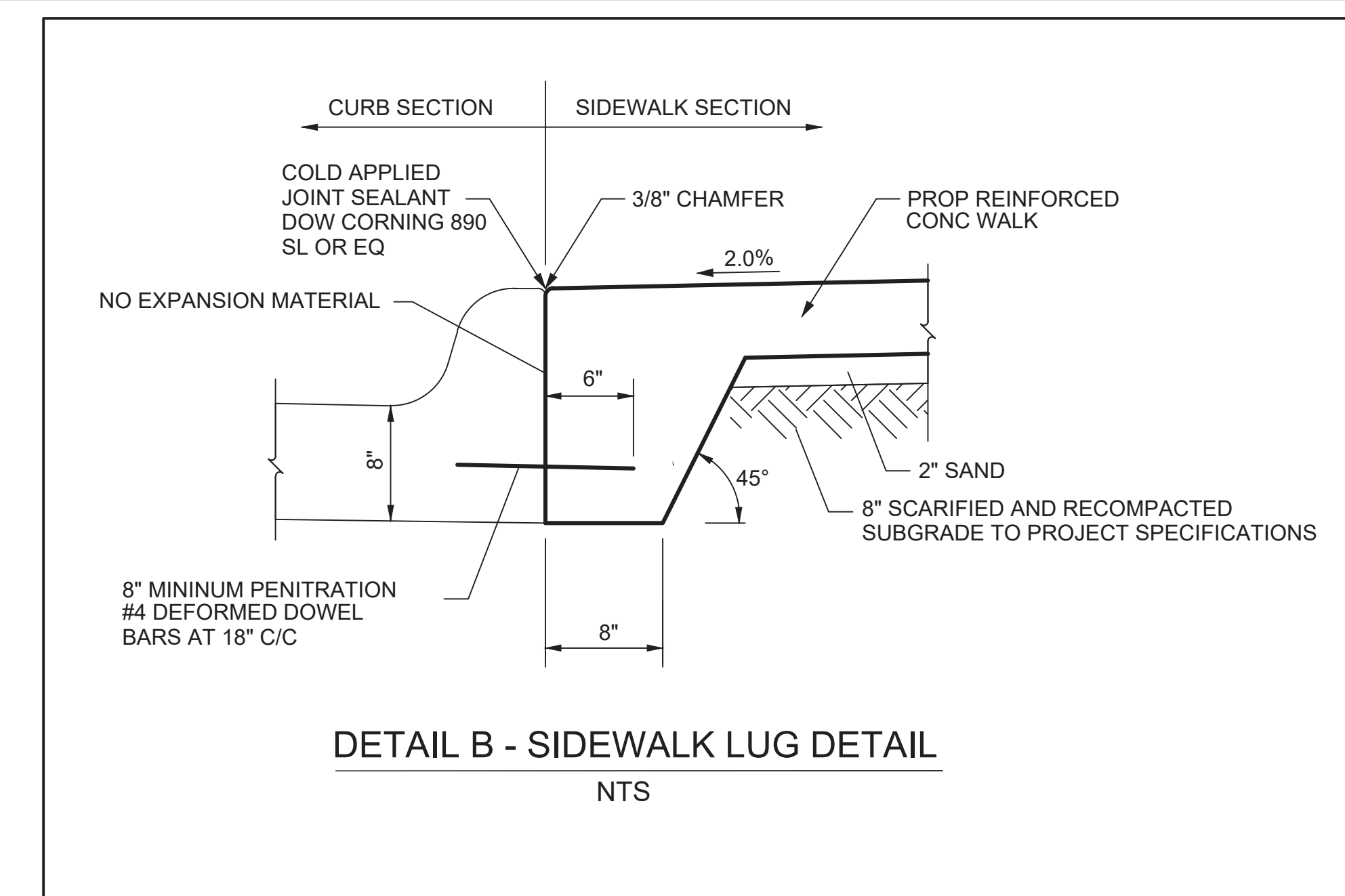
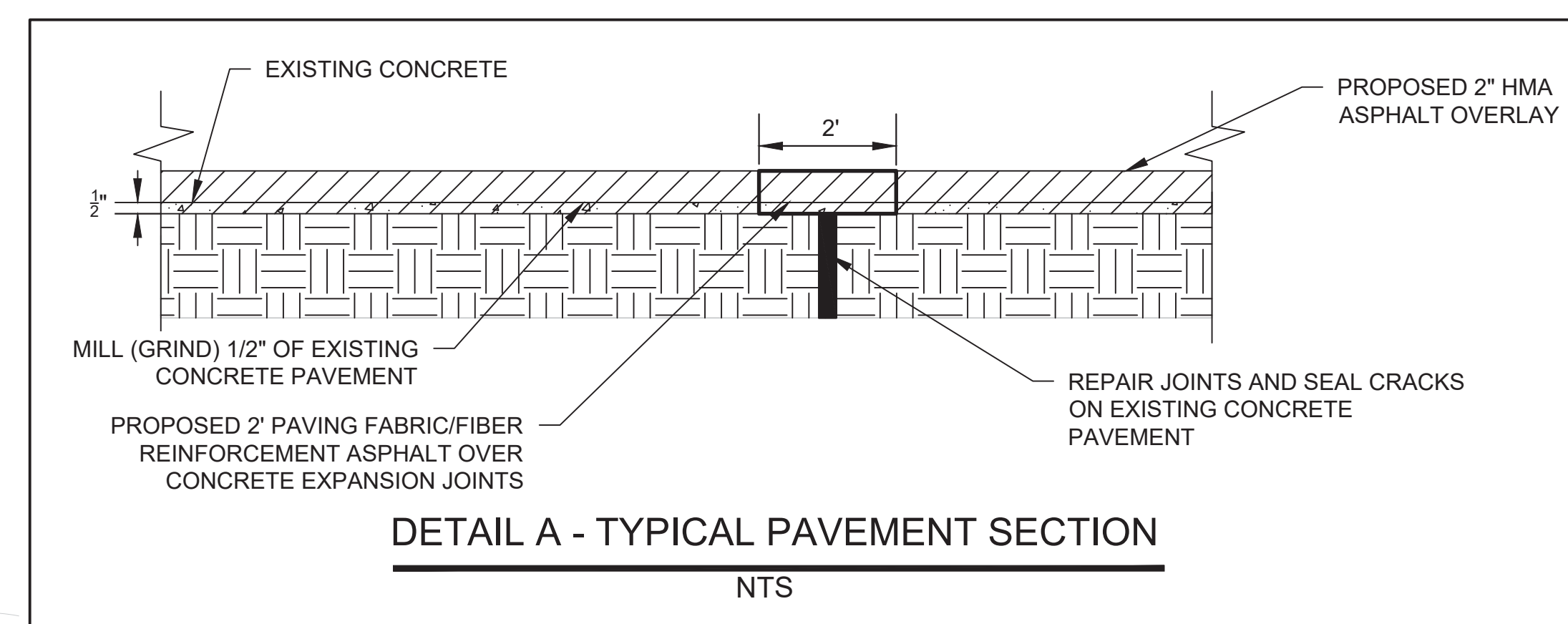
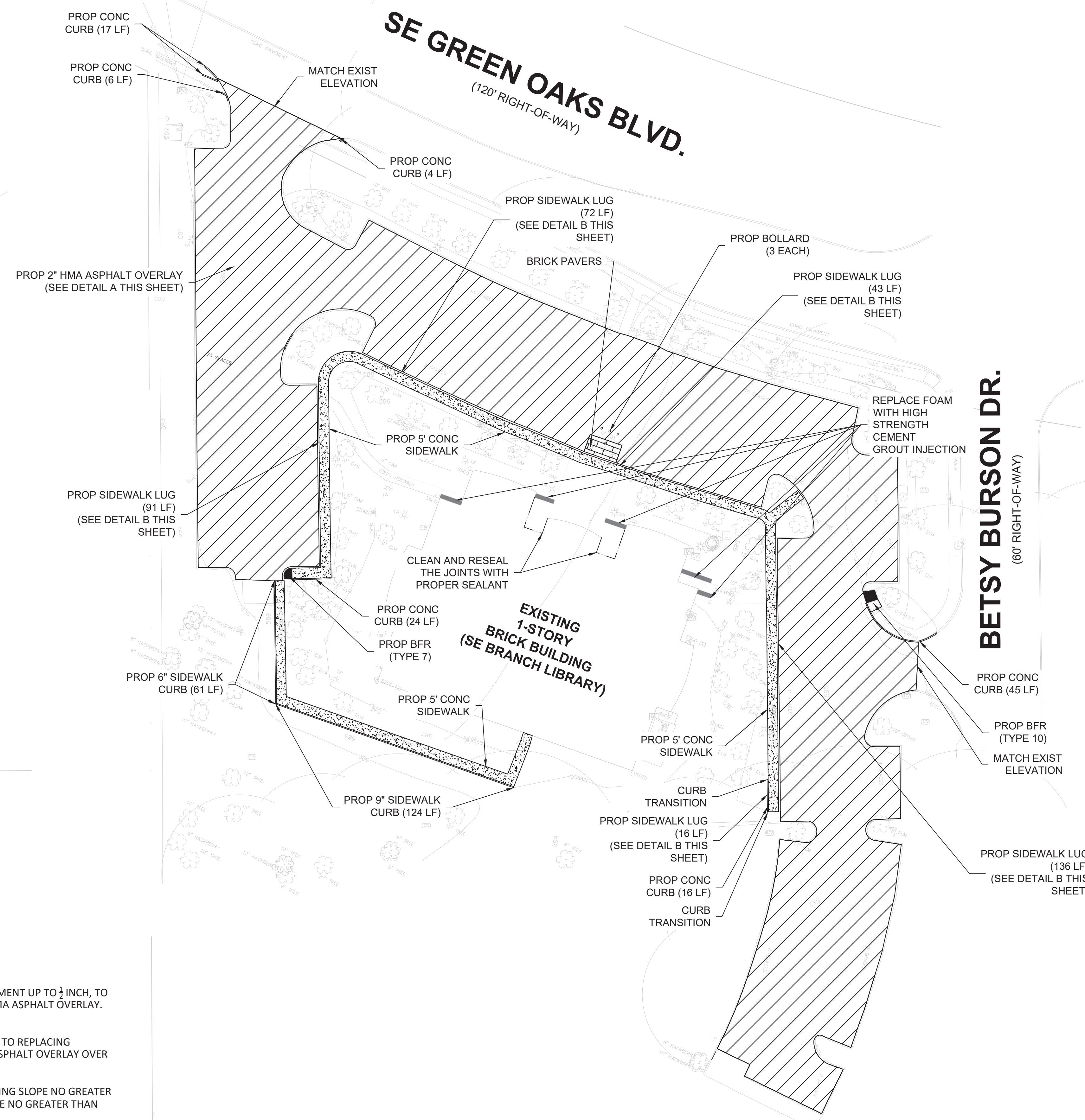
TBPE Firm No. 10997  
9/12/2022

 15443 KNOLL TRAIL DRIVE - SUITE 200 DALLAS, TEXAS 75248 TBPE #F-10997		
 <b>CITY OF ARLINGTON, TEXAS</b>		
<b>ARLINGTON PUBLIC LIBRARY SOUTHEAST BRANCH</b> <b>CONSTRUCTION PHASING PLAN</b> 900 SE GREEN OAKS BLVD, ARLINGTON, TX 76018		
DATE: 08/12/2022	SCALE: AS SHOWN	SHEET 4 OF 15
DESIGNED BY: VVS	DRAWN BY: RAK	CHECKED BY: YO



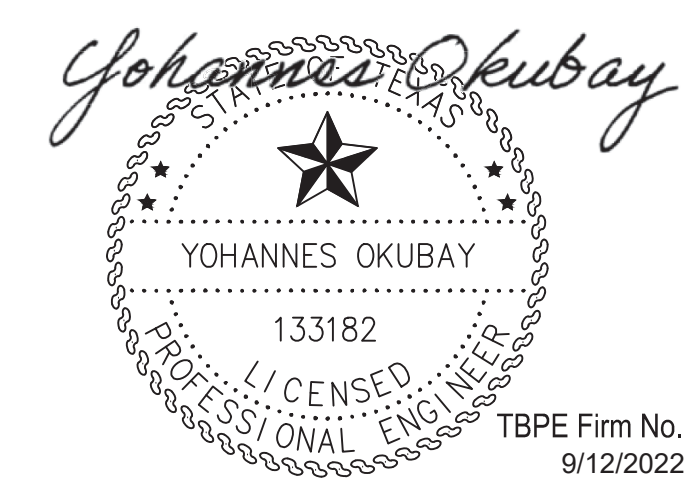
**LEGEND**

-  2" ASPHALT OVERLAY
-  4" CONC SIDEWALK
-  BRICK PAVERS
-  CEMENT GROUT
-  PROP CURB



**NOTES:**

1. CONTRACTOR TO MILL (GRIND) EXISTING CONCRETE PAVEMENT UP TO 1/2 INCH, TO CREATE ROUGH SURFACE FOR STRONG BONDING WITH HMA ASPHALT OVERLAY. (SEE DETAIL A)
2. CONTRACTOR TO REPAIR JOINTS AND SEAL CRACKS PRIOR TO REPLACING ASPHALT OVERLAY. APPLY 2 FT WIDE FIBER REINFORCED ASPHALT OVERLAY OVER THE SEALED CONCRETE JOINTS. (SEE DETAIL A)
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%



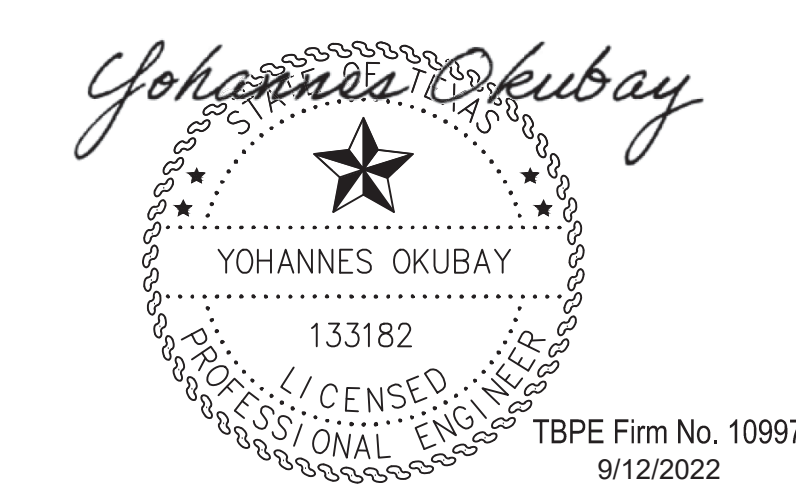
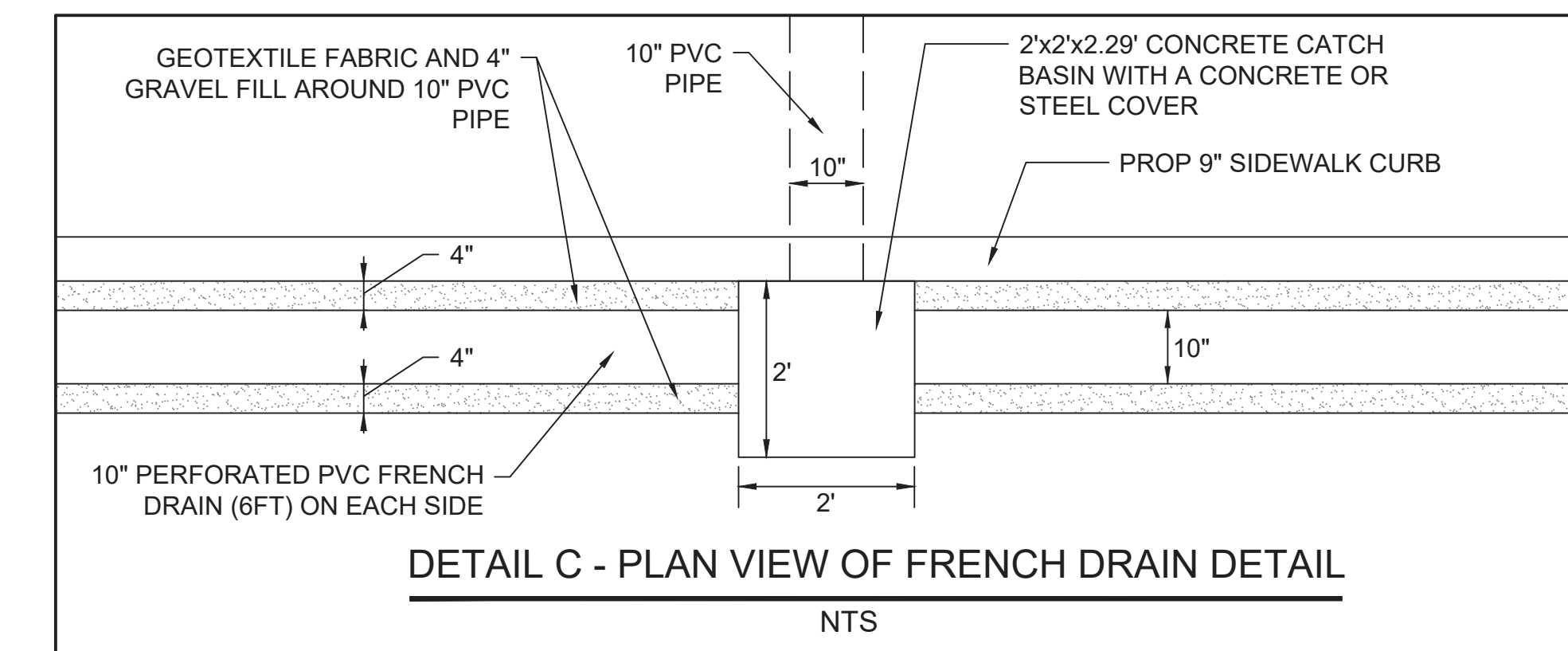
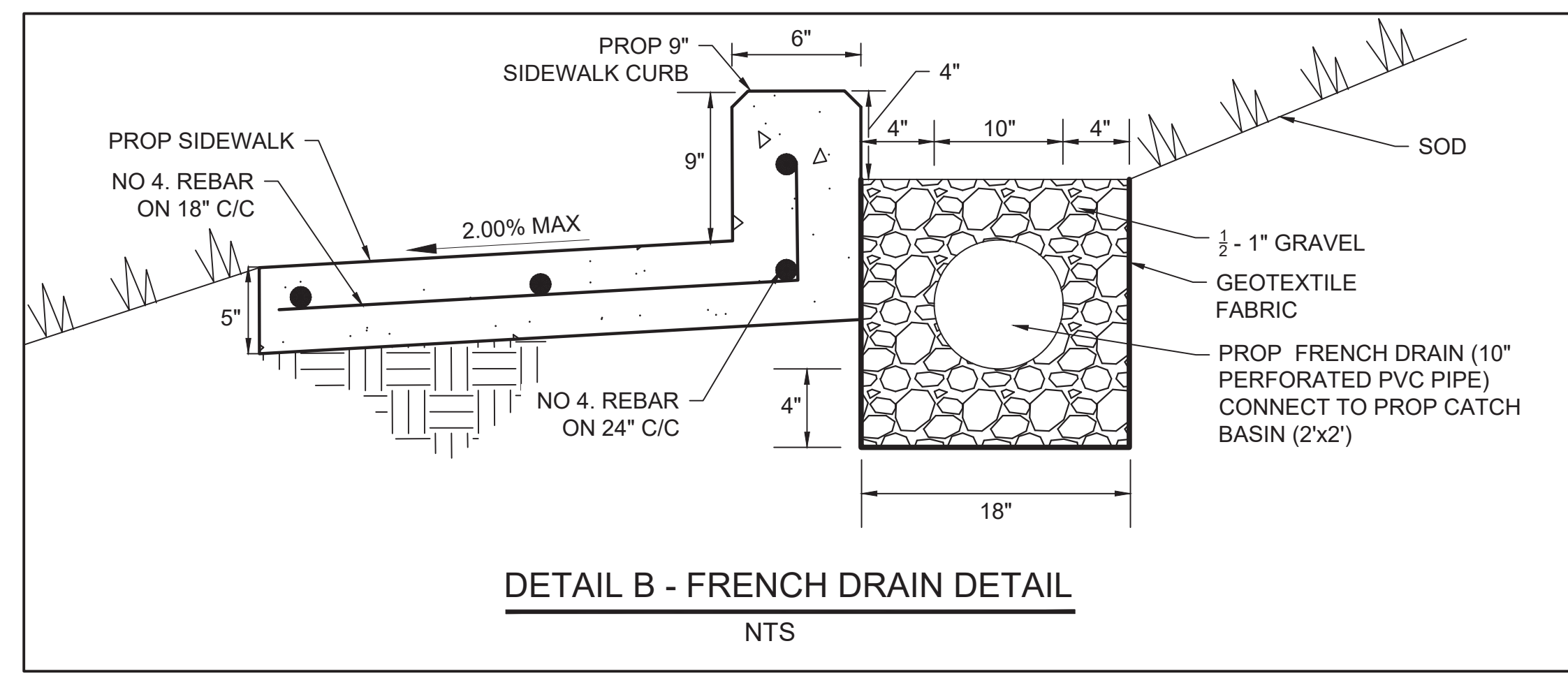
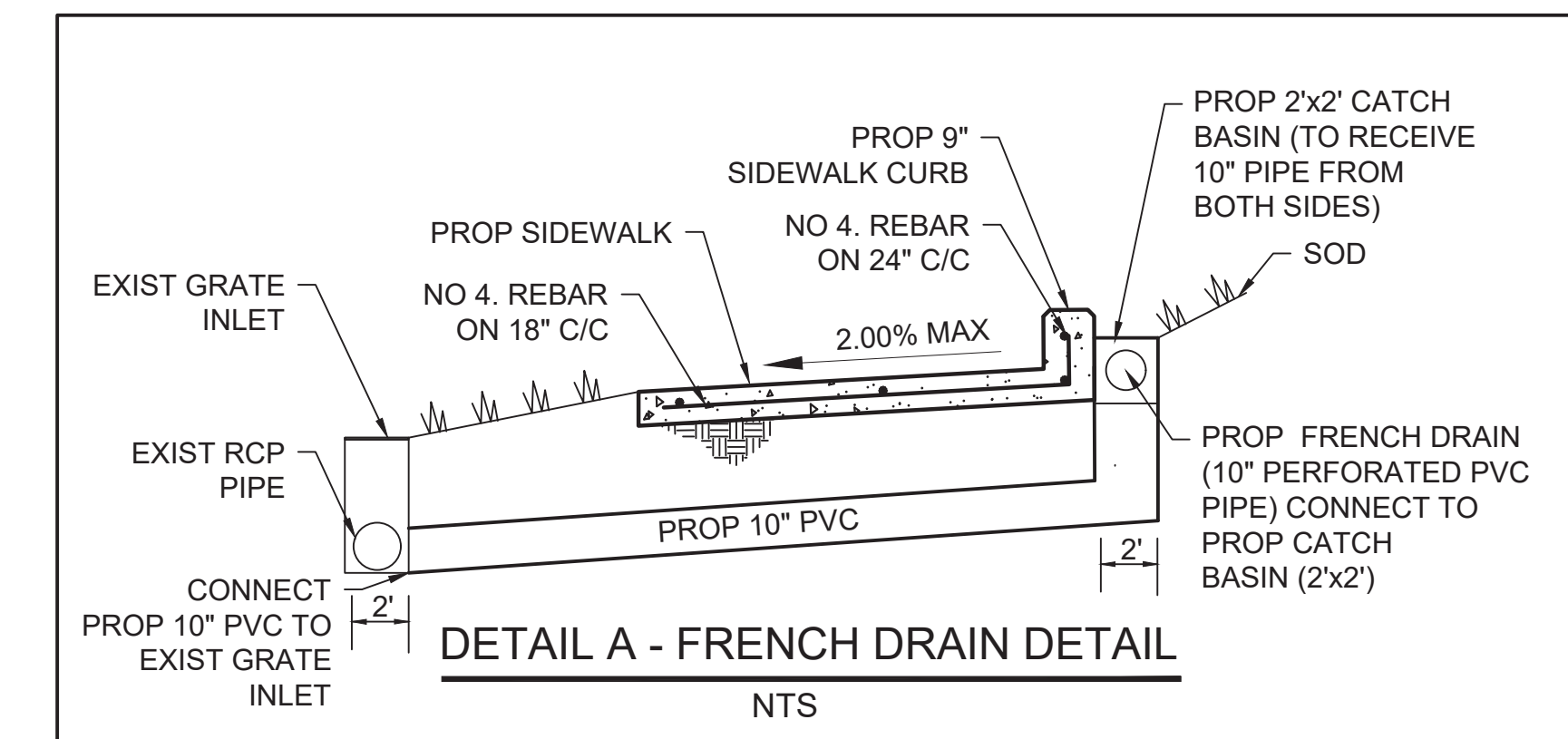
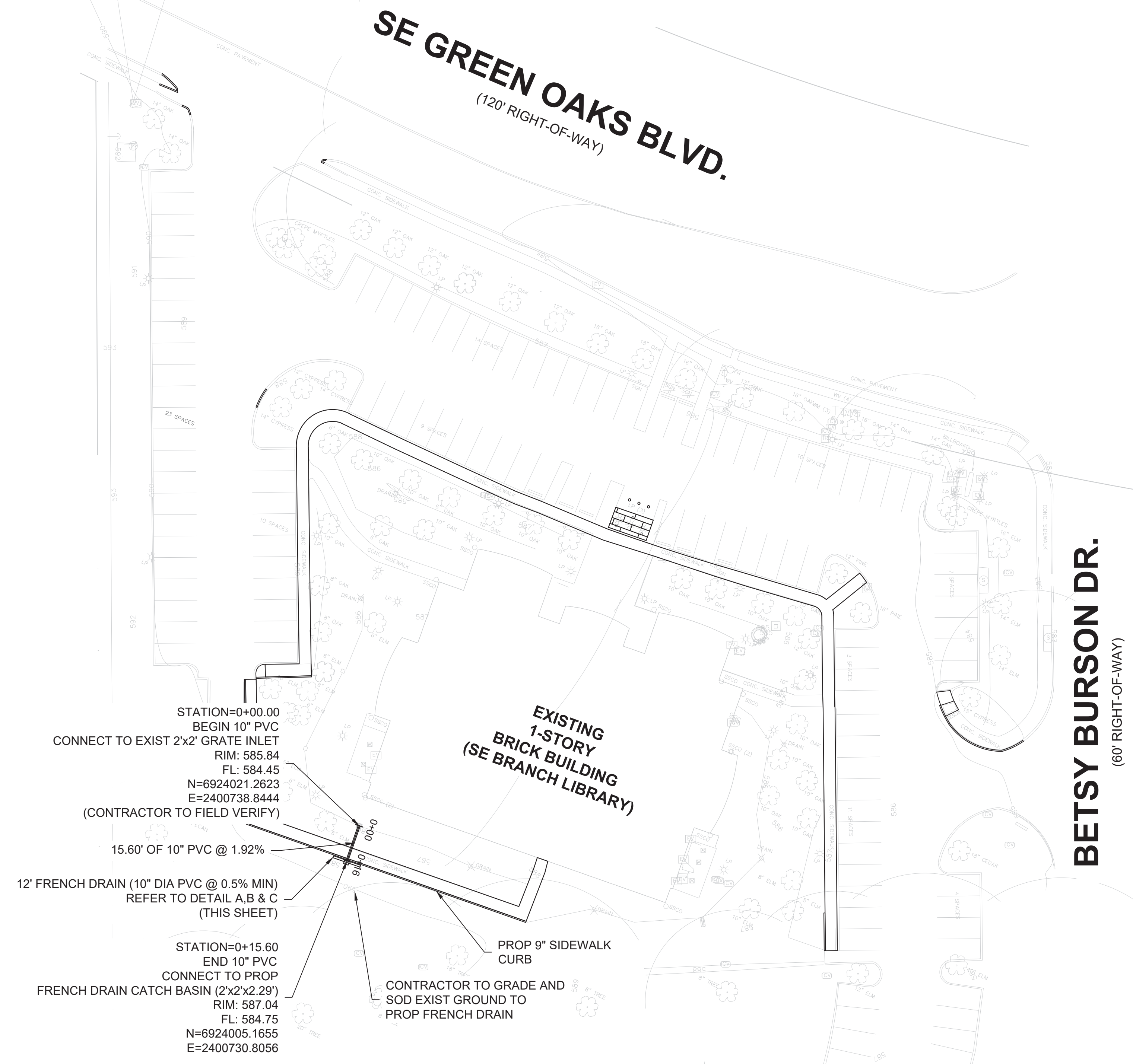
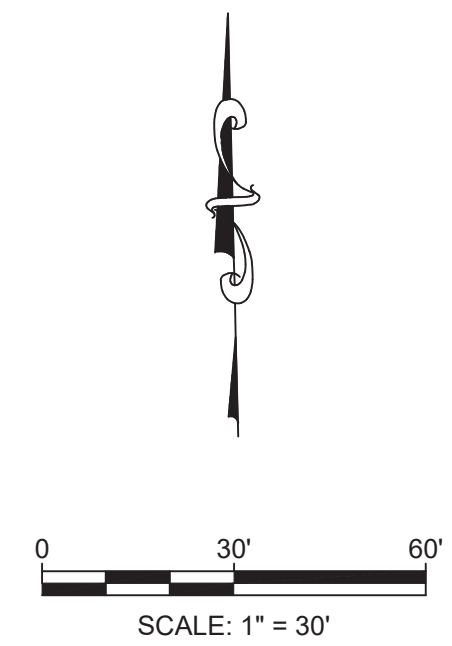
TBPE Firm No. 10997  
9/12/2022



**CITY OF ARLINGTON, TEXAS**  
ARLINGTON PUBLIC LIBRARY SOUTHEAST BRANCH  
**PAVING PLAN**

900 SE GREEN OAKS BLVD, ARLINGTON, TX 76018

DATE: 08/12/2022	SCALE: AS SHOWN	SHEET_5_OF_15
DESIGNED BY: VVS	DRAWN BY: RAK	CHECKED BY: YO



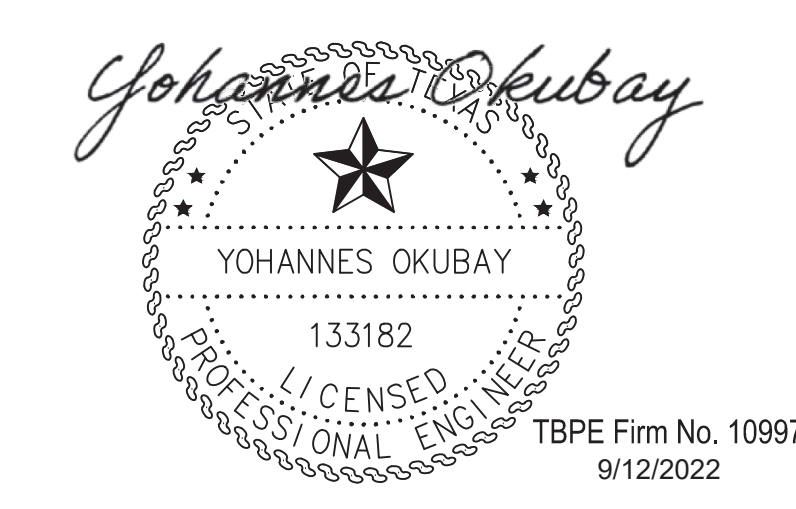
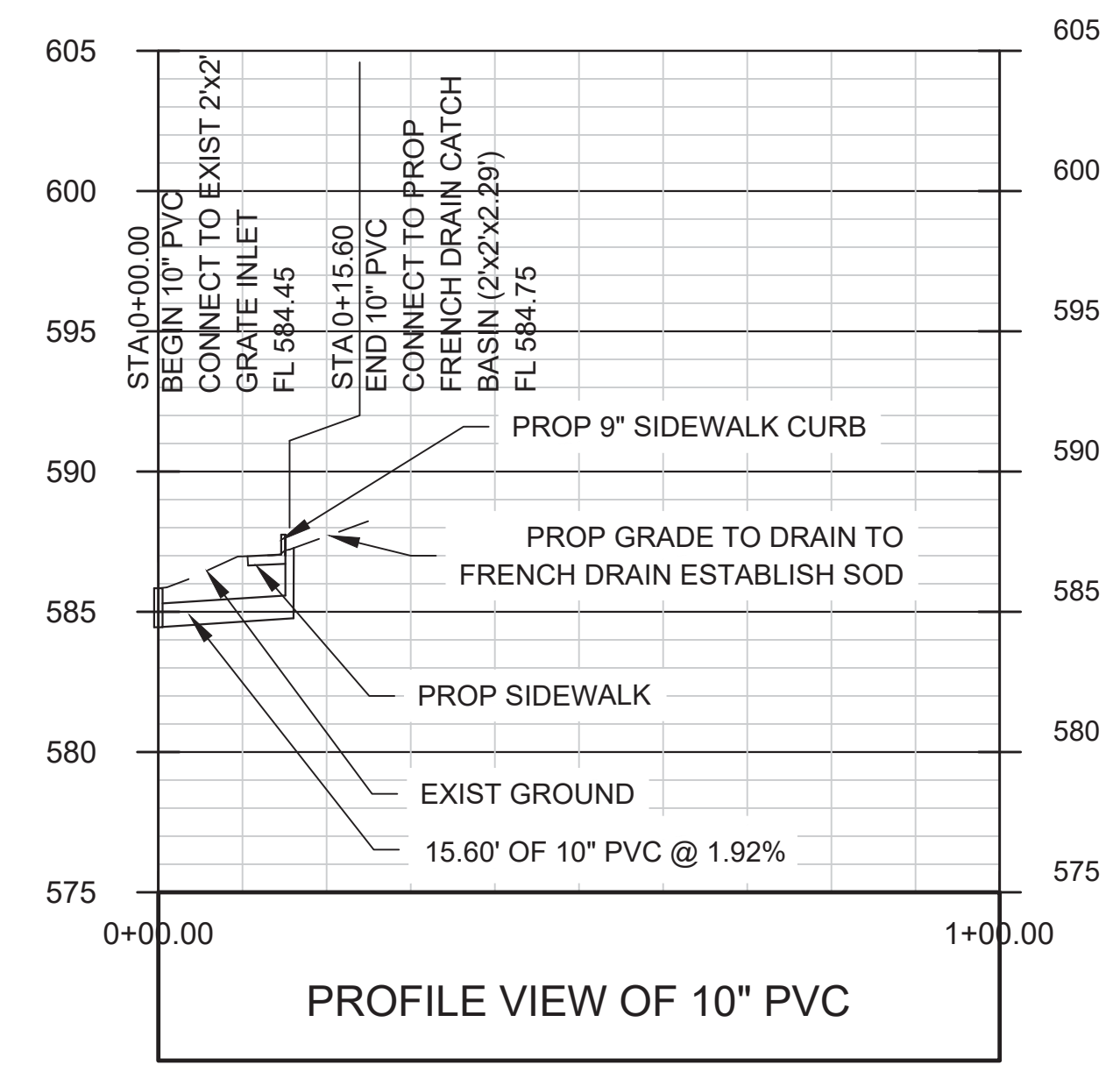
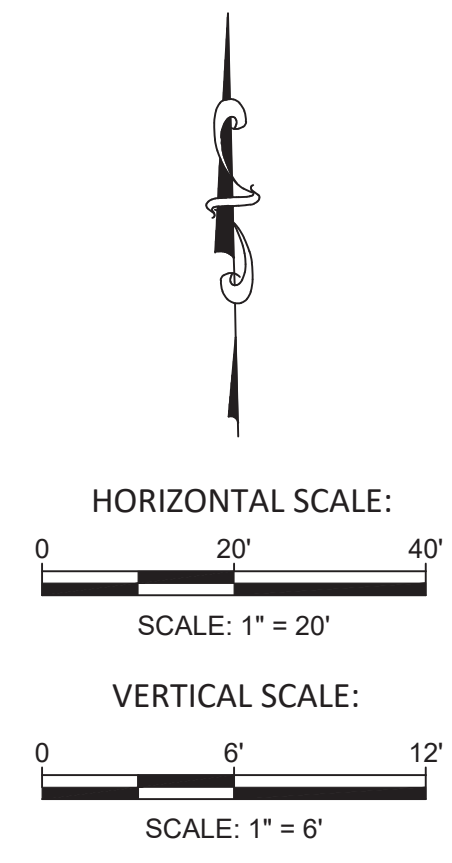
TBPE Firm No. 10997  
9/12/2022

**simon** ENGINEERING & CONSULTING  
15443 KNOLL TRAIL DRIVE - SUITE 200  
DALLAS, TEXAS 75248  
TBPE #F-10997

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**CITY OF ARLINGTON, TEXAS**  
ARLINGTON PUBLIC LIBRARY SOUTHEAST BRANCH  
DRAINAGE PLAN  
900 SE GREEN OAKS BLVD, ARLINGTON, TX 76018

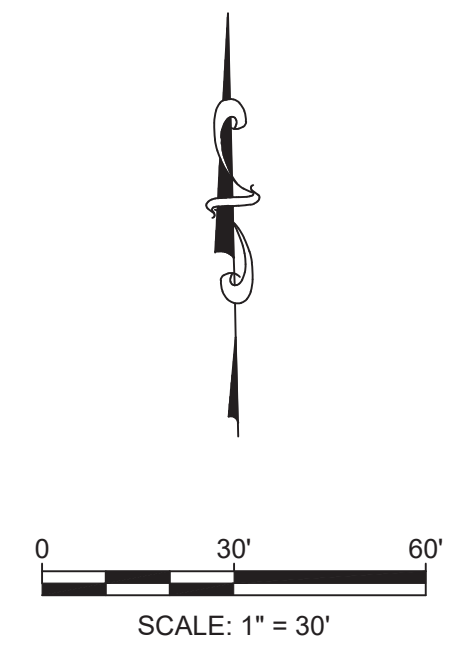
DATE: 08/12/2022	SCALE: AS SHOWN	SHEET 6 OF 15
DESIGNED BY: VVS	DRAWN BY: RAK	CHECKED BY: YO




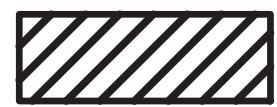
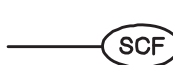
TBPE Firm No. 10997  
9/12/2022

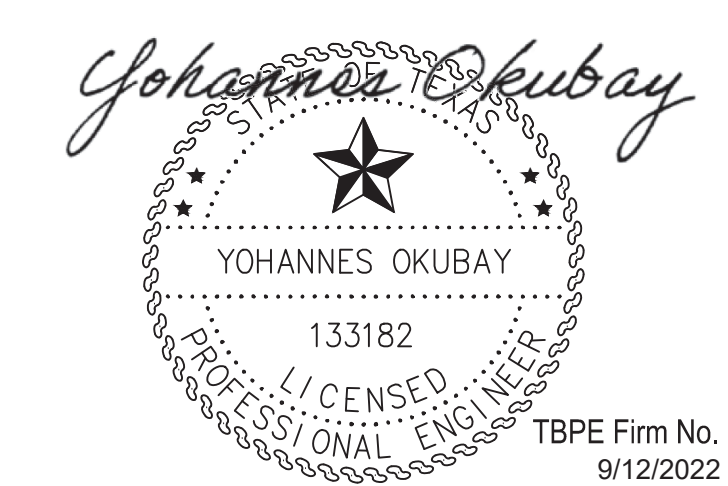
15443 KNOLL TRAIL DRIVE - SUITE 200 DALLAS, TEXAS 75248 TBPE #F-10997		
CITY OF ARLINGTON, TEXAS		
ARLINGTON PUBLIC LIBRARY SOUTHEAST BRANCH DRAINAGE PROFILE 900 SE GREEN OAKS BLVD, ARLINGTON, TX 76018		
DATE: 08/12/2022	SCALE: AS SHOWN	SHEET 7 OF 15
DESIGNED BY: VVS	DRAWN BY: RAK	CHECKED BY: YO







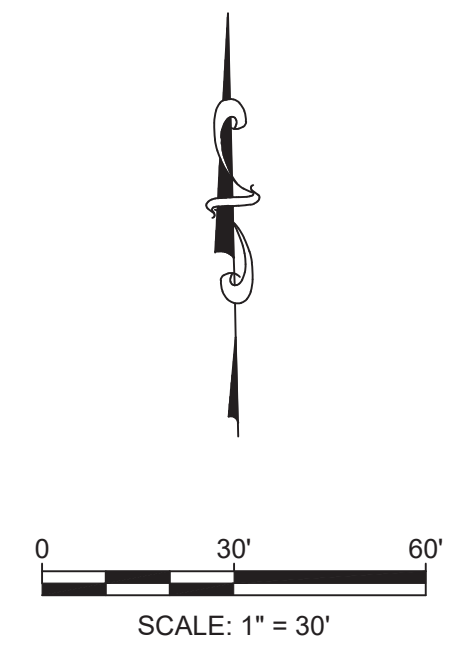
**LEGEND**

-  GRATE INLET PROTECTION
-  CURB INLET PROTECTION
-  SEDIMENT CONTROL FENCE



TBPE Firm No. 10997  
9/12/2022

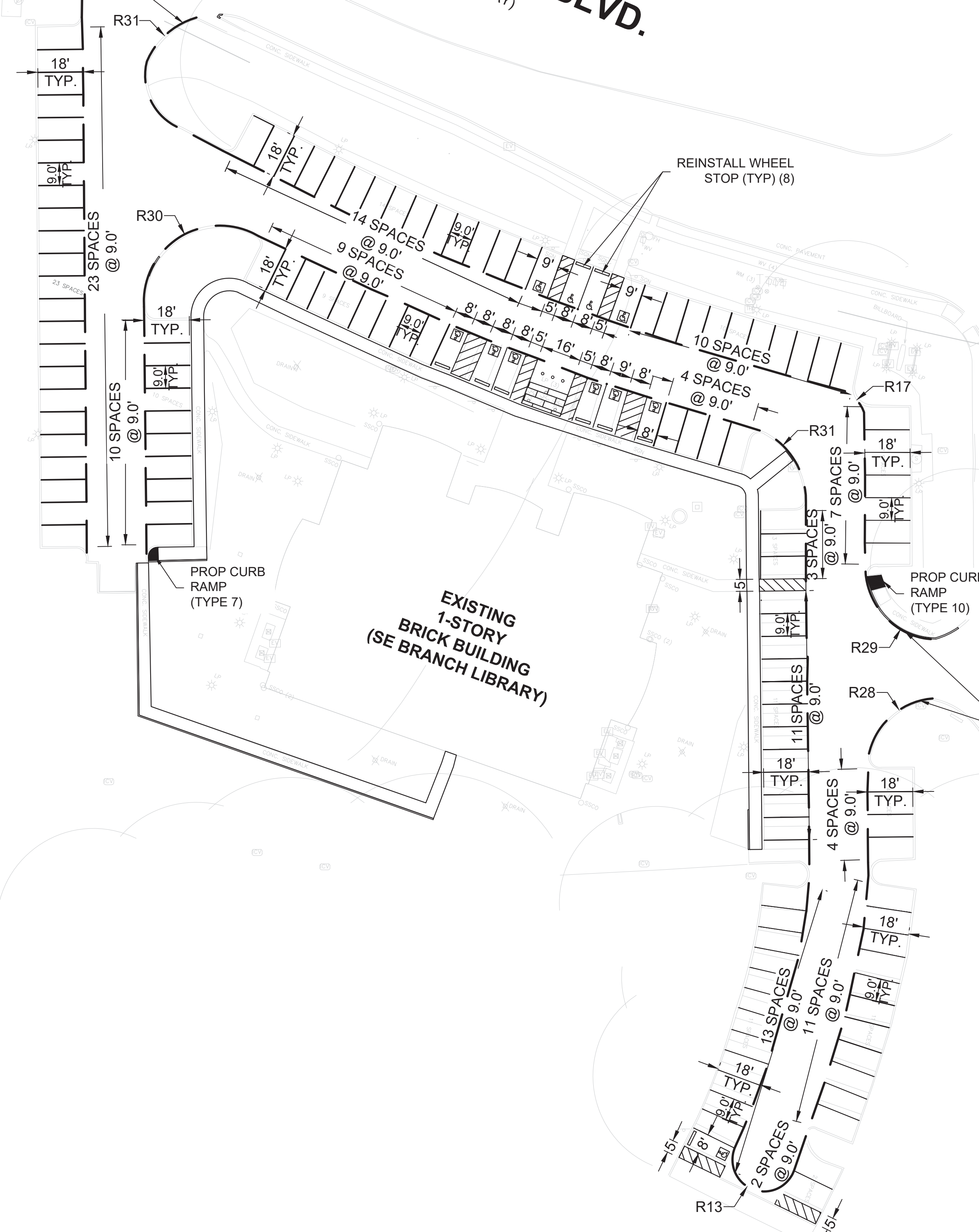
 15443 KNOLL TRAIL DRIVE - SUITE 200 DALLAS, TEXAS 75248 TBPE #F-10997		
 <b>CITY OF ARLINGTON, TEXAS</b>		
<b>ARLINGTON PUBLIC LIBRARY SOUTHEAST BRANCH</b> <b>EROSION CONTROL PLAN</b> 900 SE GREEN OAKS BLVD, ARLINGTON, TX 76018		
DATE: 08/12/2022	SCALE: AS SHOWN	SHEET <u>8</u> OF <u>15</u>
DESIGNED BY: VVS	DRAWN BY: RAK	CHECKED BY: YO






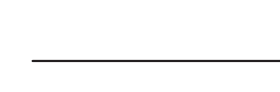

6" SOLID RED FIRE LANE NO PARKING  
PVMT. MRK. WITH 4"  
WHITE LETTERS (TYP.)

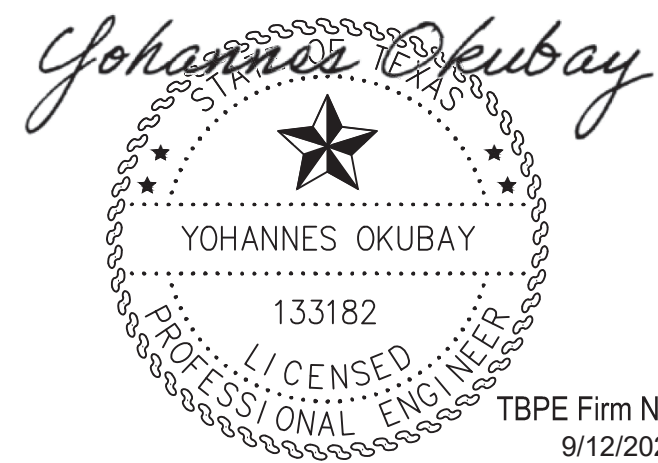
**SE GREEN OAKS BLVD.**  
(120' RIGHT-OF-WAY)

**BETSY BURSON DR.**  
(60' RIGHT-OF-WAY)



**LEGEND**

-  INTERNATIONAL HANDICAP SYMBOL  
WHITE REFLECTIVE PAVEMENT  
MARKING WITH BLUE BACKGROUND  
(TYP)
-  ADA ACCESSIBLE ROUTE  
4" WHITE PAVEMENT MARKING
-  CURB RAMP DETECTABLE WARNING
-  PAVEMENT MARKING  
4" SOLID WHITE NON-REFLECTIVE  
PAVEMENT MARKING (TYP)
-  FIRE LANE  
6" SOLID RED FIRE LANE PAVEMENT  
MARKING WITH 4" WHITE LETTERS  
(TYP)

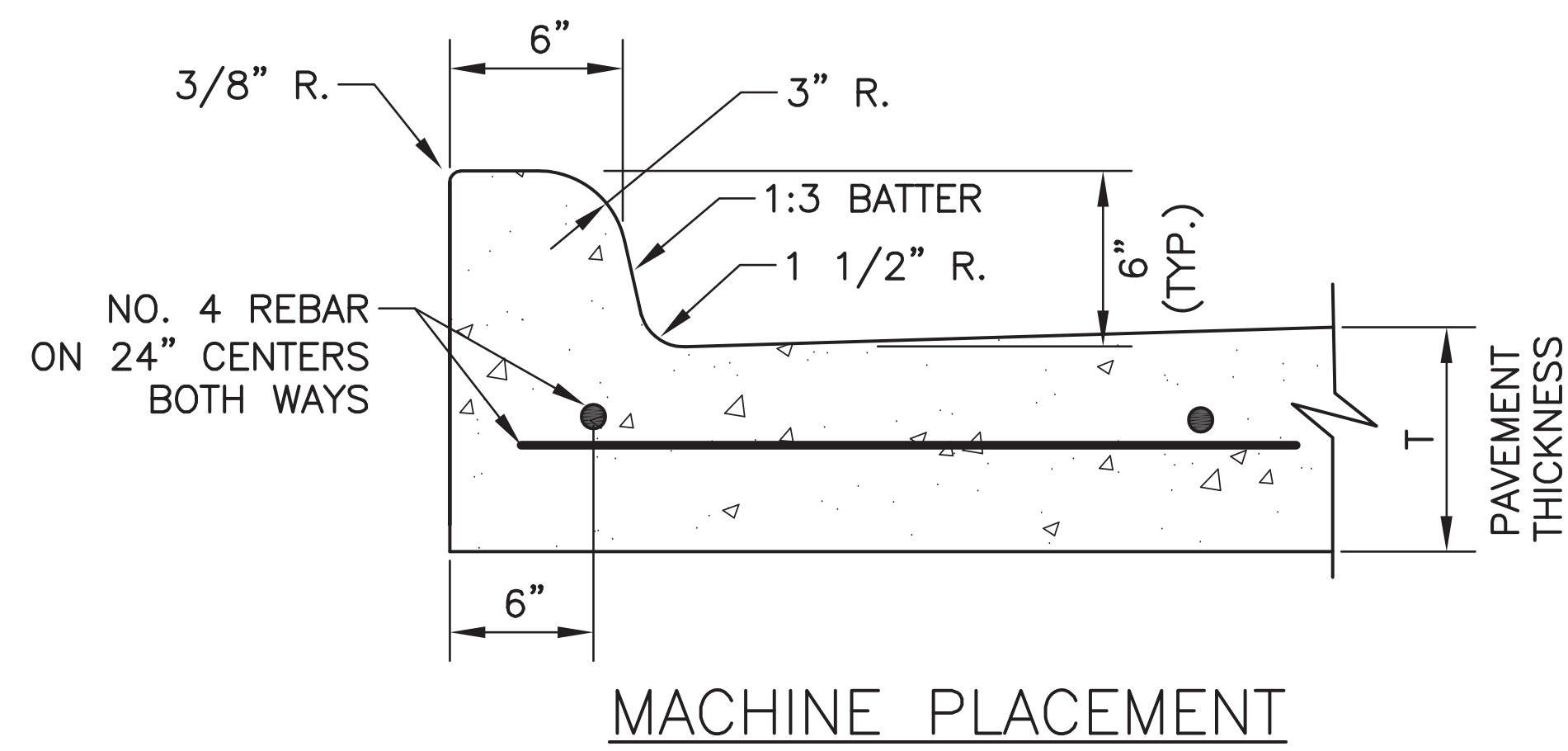


TBPE Firm No. 10997  
9/12/2022

**simon** ENGINEERING & CONSULTING  
15443 KNOLL TRAIL DRIVE - SUITE 200  
DALLAS, TEXAS 75248  
TBPE #F-10997

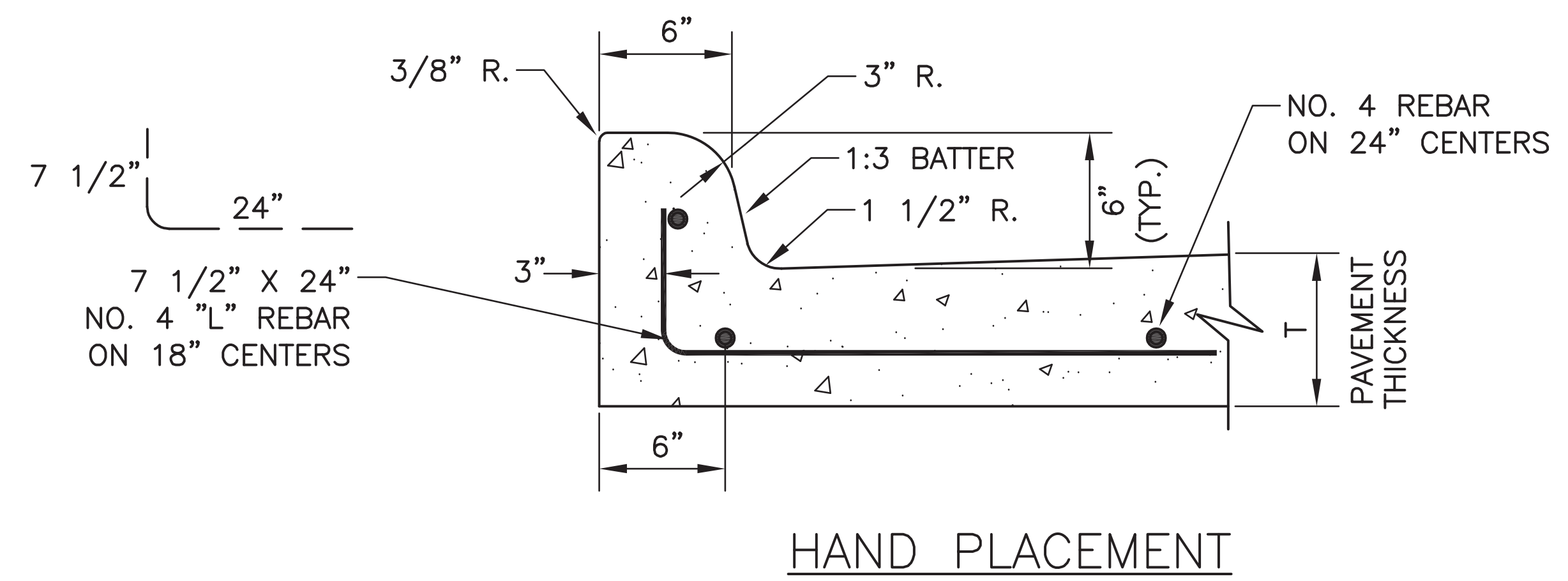
**CITY OF ARLINGTON, TEXAS**  
ARLINGTON PUBLIC LIBRARY SOUTHEAST BRANCH  
SIGNING AND STRIPING PLAN  
900 SE GREEN OAKS BLVD, ARLINGTON, TX 76018

DATE: 08/12/2022	SCALE: AS SHOWN	SHEET 9 OF 15
DESIGNED BY: VVS	DRAWN BY: RAK	CHECKED BY: YO



NOTE:

1. CONCRETE SHALL BE CLASS C, 5 1/2 SACK, 3600 PSI.

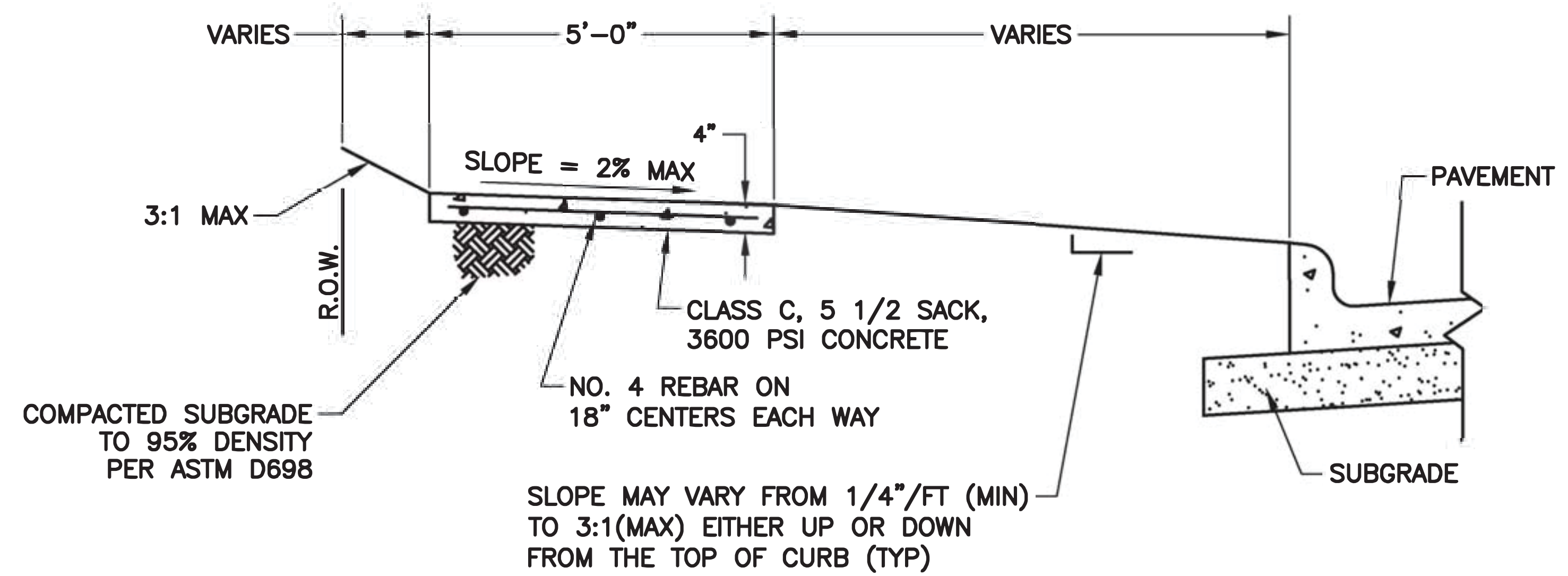


NOTE:

1. CONCRETE SHALL BE CLASS C, 6 SACK, 3600 PSI.

INTEGRAL CONCRETE  
CURB & GUTTER  
NTS REV: 6/20/17


CITY OF ARLINGTON, TEXAS		
INTEGRAL CONCRETE CURB & GUTTER		
DATE:	SCALE: NTS	SHEET 10 OF 15
DESIGNED BY:	DRAWN BY:	CHECKED BY:

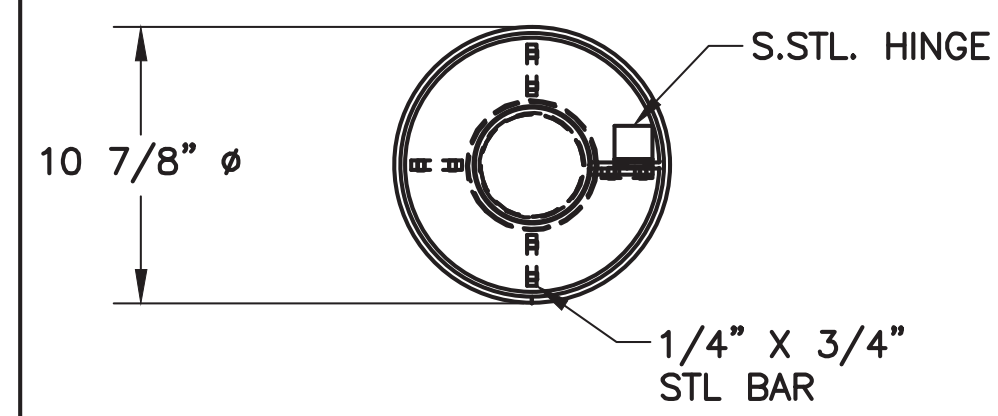


**NOTES:**

1. TOOLED JOINT EVERY 5'.
2. EXPANSION JOINT EVERY 50'.  
(\*SEE SIDEWALK EXPANSION JOINT DETAIL)

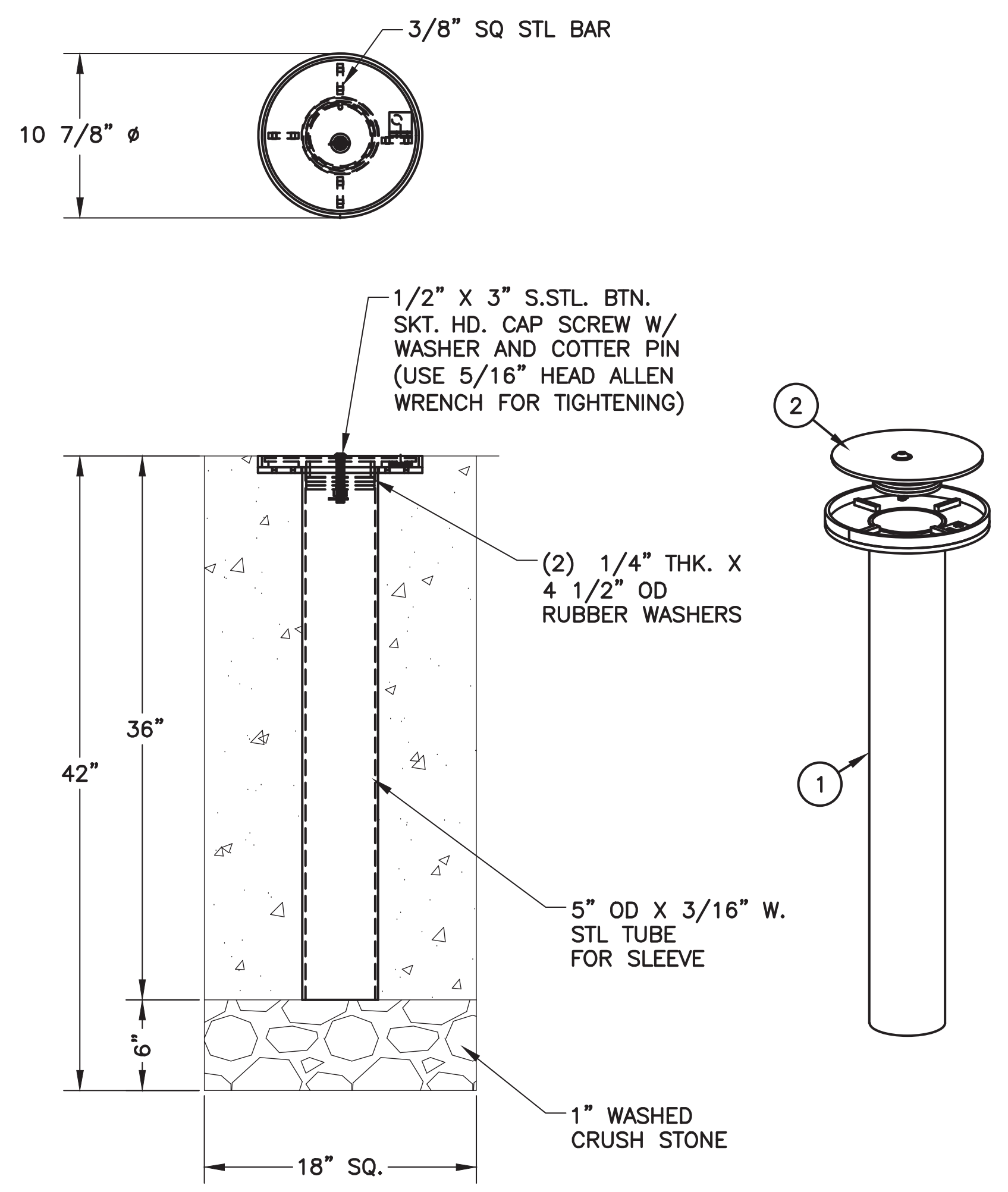
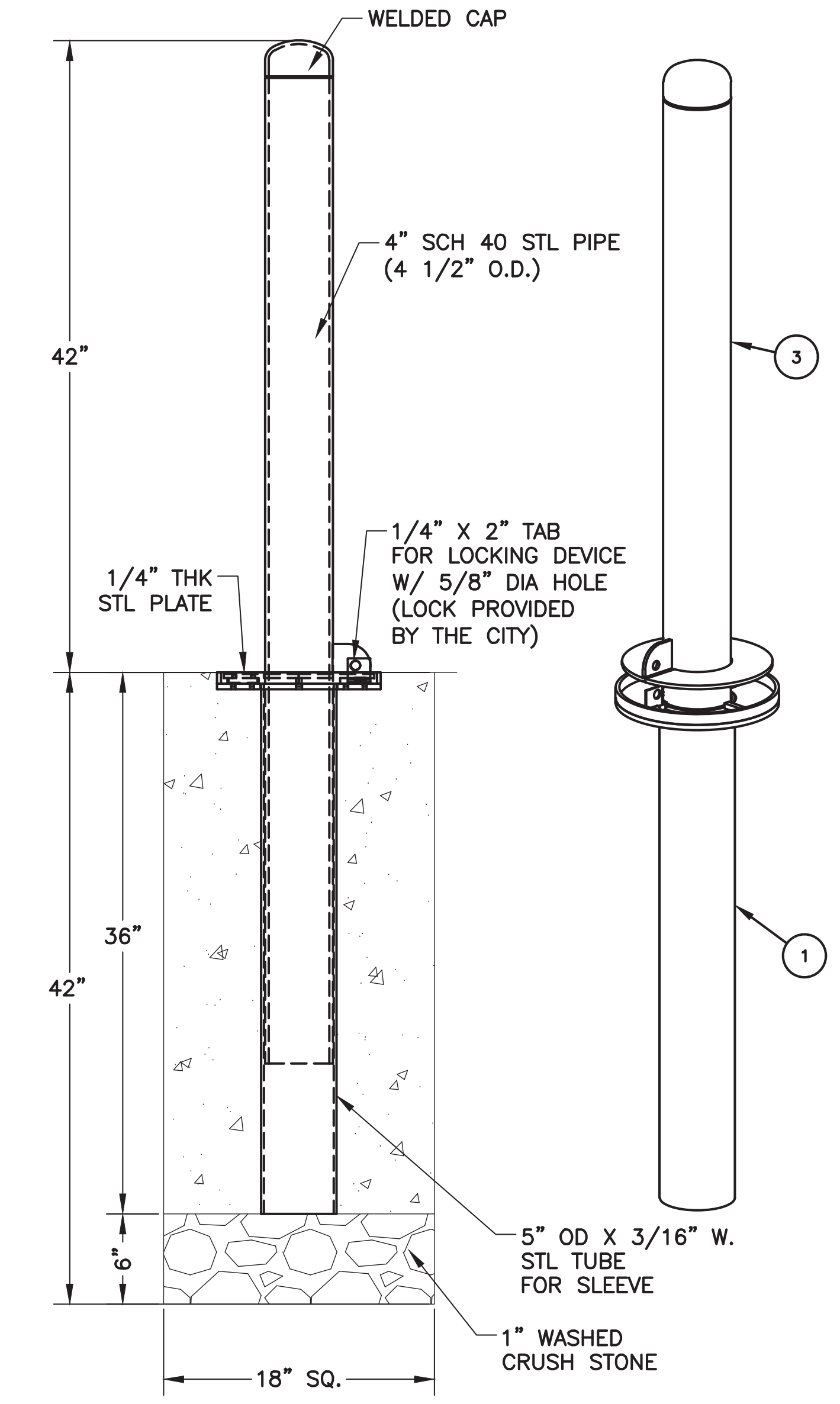
5 FOOT SIDEWALK  
NTS REV: 04/22/21

 <b>CITY OF ARLINGTON, TEXAS</b>		
<b>5 FOOT SIDEWALK</b>		
<b>DATE:</b>	<b>SCALE: NTS</b>	<b>SHEET 11 OF 15</b>
<b>DESIGNED BY:</b>	<b>DRAWN BY:</b>	<b>CHECKED BY:</b>



DuMOR INC, PARTS LIST

ITEM	QTY	PART NO.	DESCRIPTION
1	1	0-400-02	STL BOLLARD SLEEVE W/ HINGE
2	1	0-400-03	BOLLARD SLEEVE CAP ASSEMBLY
3	1	0-400-42-01/1SL	42" STL BOLLARD, EMBED FOR SLEEVE



DETAIL OF BOLLARD WITH SLEEVE

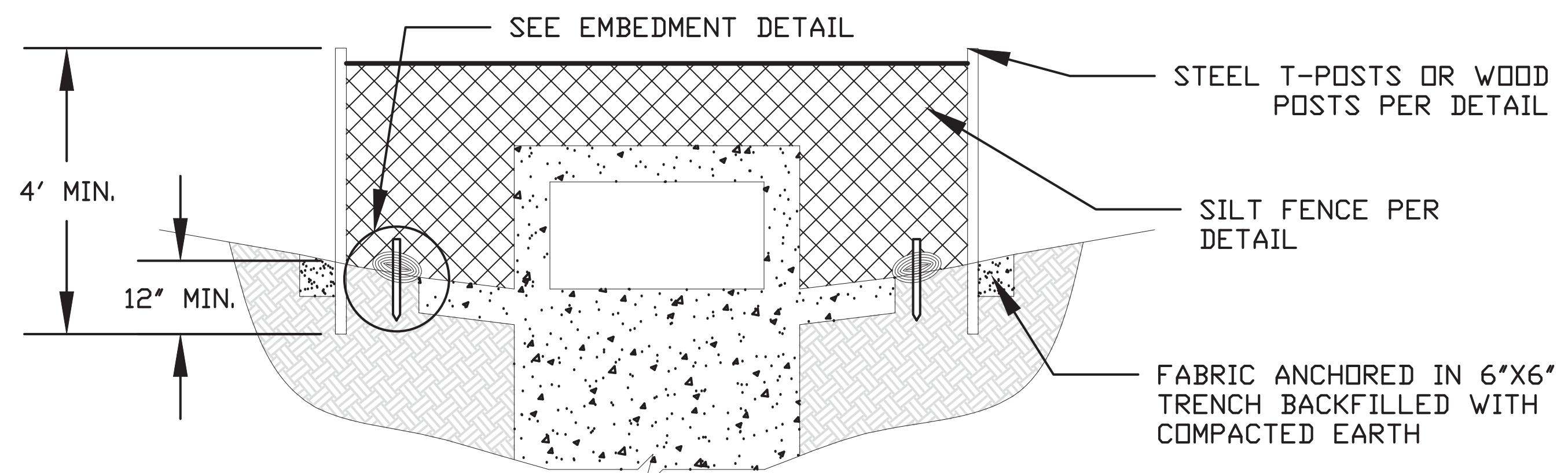
DETAIL OF SLEEVE WITH CAP

BOLLARD  
NTS 9/12/17

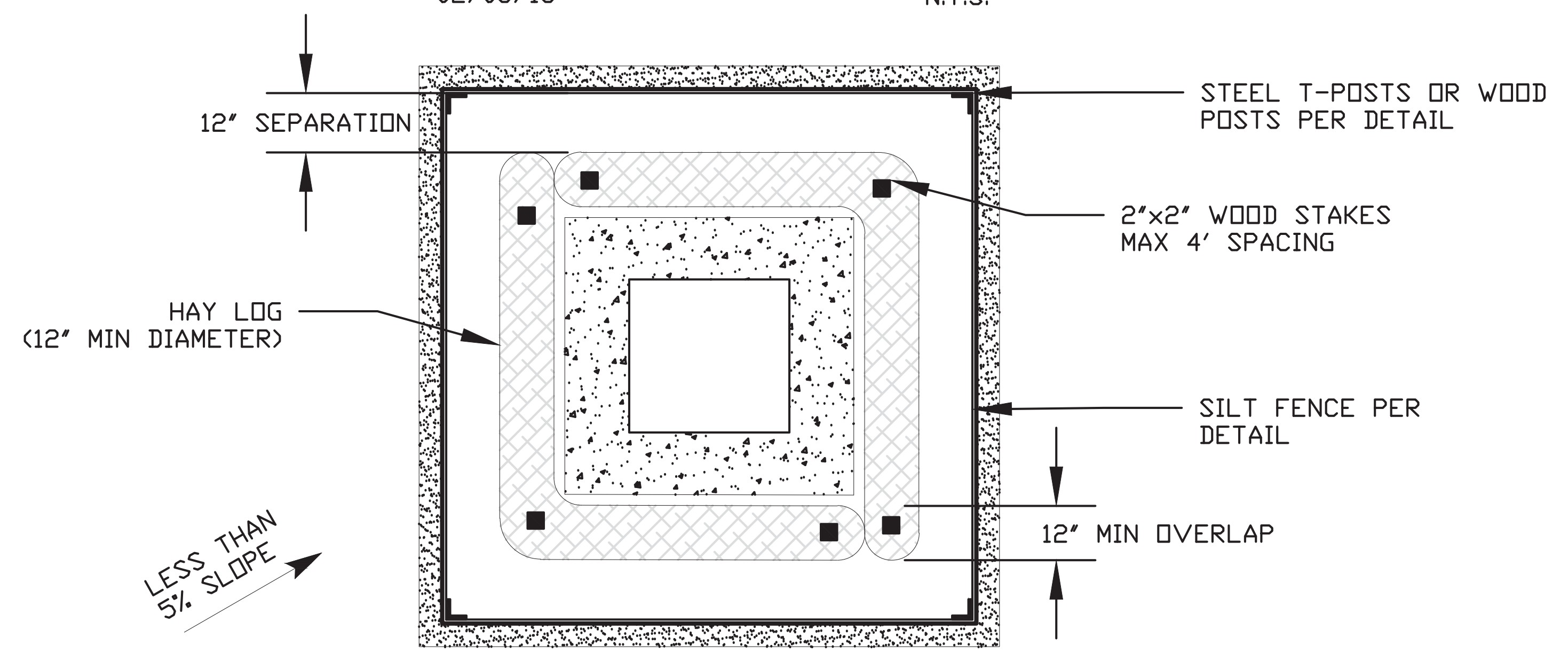
NOTES:

1. BOLLARD SHALL BE DuMOR, INC. OR APPROVED EQUAL
2. STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING WHICH SHALL BE "SAFETY YELLOW" IN COLOR.
3. SET SLEEVE INTO FOOTER HOLDING PLUM, SQUARE AND AT HEIGHT SHOWN.
4. SLIDE BOLLARD INTO SLEEVE AFTER CONCRETE HAS HARDENED. BE SURE TO HAVE HINGE TAB SLIDE INTO BOLLARD BASE PLATE SLOT FOR LOCKING.
5. FOR USE OF CAP WHEN BOLLARD IS REMOVED, PLACE CAP INTO SLEEVE. TIGHTEN CAP BY USING 1/2" X 3" BUTTON HEAD BOLT. THIS WILL COMPRESS THE RUBBER WASHERS THICKNESS AND EXPAND THE DIAMETER TO FIT SNUG TO SLEEVE.

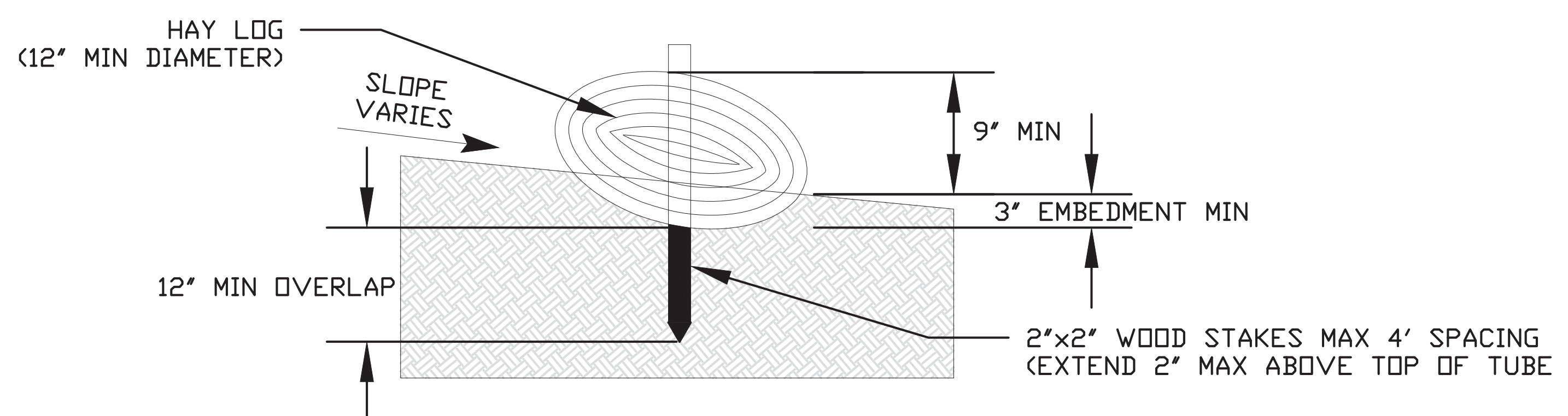
<b>CITY OF ARLINGTON, TEXAS</b>		
<b>BOLLARD</b>		
DATE:	SCALE:	SHEET 12 OF 15
DESIGNED BY:	DRAWN BY:	CHECKED BY:



AREA INLET PROTECTION CROSS SECTION  
02/06/18 N.T.S.




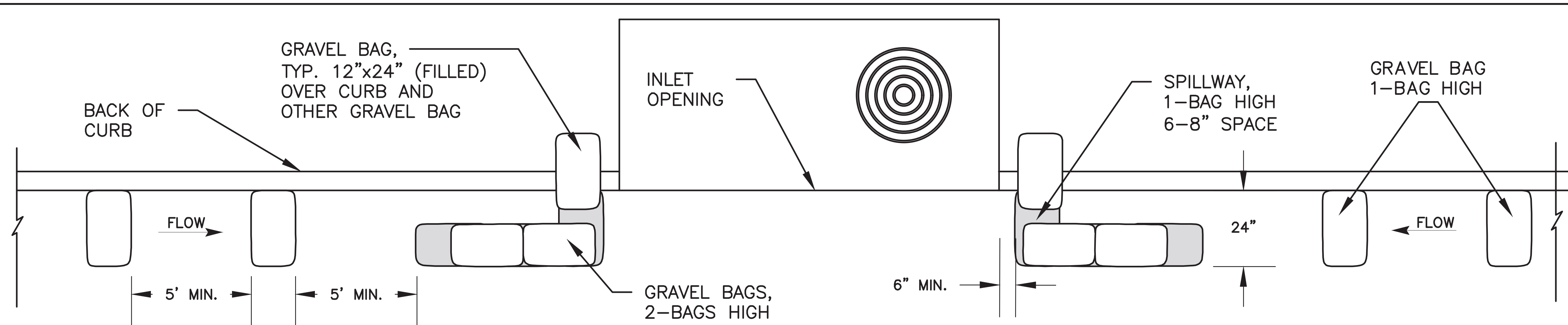
AREA INLET PROTECTION PLAN VIEW  
02/06/18 N.T.S.



EMBEDMENT EXAMPLE FOR ORGANIC FILTER TUBE ON NATURAL GROUND  
02/06/18 N.T.S.

- NOTES:
1. CONCENTRATED DITCH FLOW COMING FROM ONE OR MORE SIDES TOWARDS THE INLET MAY REQUIRE A STONE OVERFLOW STRUCTURE TO BE CONSTRUCTED ON ONE SIDE OF THE INLET (SEE SILT FENCE DETAIL).
  2. POSTS SHALL BE INSTALLED AT EACH CORNER AND BETWEEN CORNERS IF THE DISTANCE IS GREATER 6' BETWEEN THE CORNERS.
  3. SILT FENCE FILTER FABRIC MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS.

 <b>CITY OF ARLINGTON, TEXAS</b>		
<b>AREA INLET PROTECTION</b>		
DATE: 02/06/18	SCALE: NTS	SHEET 13 OF 15
DESIGNED BY: KDC	DRAWN BY: KDC	CHECKED BY:

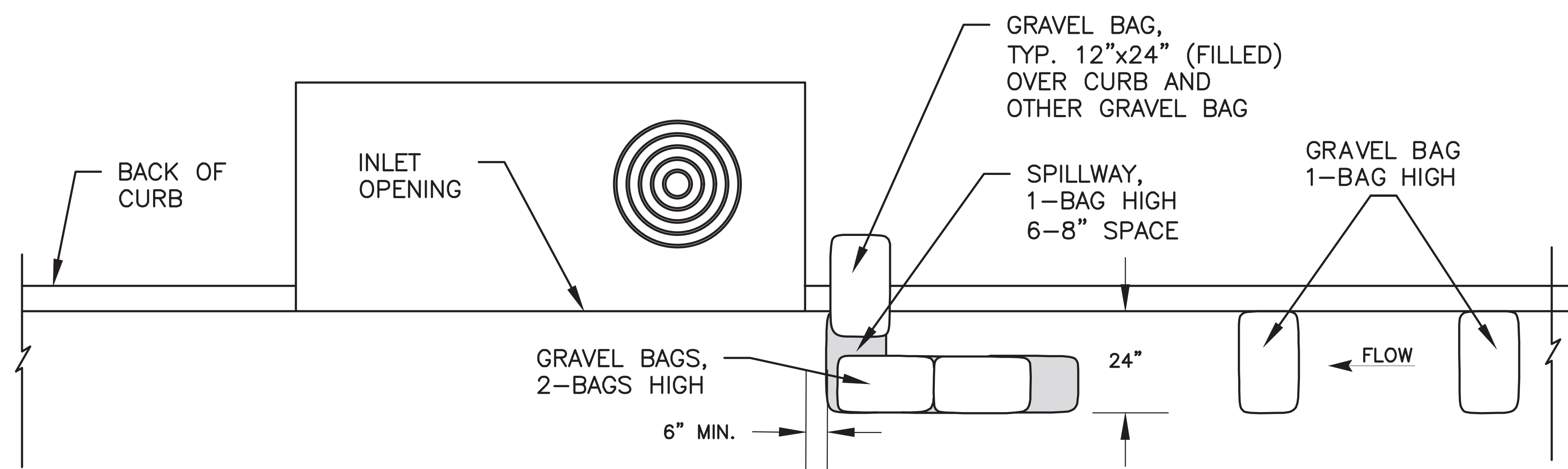


TYPICAL PROTECTION FOR LOW POINT INLET

02/06/18

N.T.S.

GRADATION TABLE	
SIEVE SIZE	MASS PERCENT PASSING SQUARE MESH SIEVES
	NO. 4
2"	100
1 1/2"	90 - 100
1"	20 - 55
3/8"	0 - 15
3/4"	0 - 5
MATCHES SPECIFICATIONS FOR NO. 4 COURSE AGGREGATE FOR CONCRETE PER AASHTO M43. ALL ROCK SHALL BE FRACTURED FACE, ALL SIDES.	




TYPICAL PROTECTION FOR INLET ON GRADE

02/06/18

N.T.S.

NOTES:

- GRAVEL BAGS SHALL BE MADE OF HIGH DENSITY POLYETHYLENE (HDPE) MONOFILAMENT FILTER FABRIC FROM HD SUPPLY (OR APPROVED EQUAL).
- GRAVEL BAGS SHALL BE FILLED WITH 1 1/2" CLEAN, FRACTURE FACED GRAVEL AND WEIGH 40-50 LBS AND SHALL COMPLY WITH GRADATION SHOWN ON THIS SHEET.
- GRAVEL BAGS SHALL BE 4" TO 6" HIGH WHEN PLACED AT THE CURB.
- GRAVEL BAGS SHALL BE PLACED 6" OR MORE FROM THE OPENING OF THE INLET AND SHALL NOT EXTEND MORE THAN THE WIDTH OF ONE GRAVEL BAG PAST THE LIP OF THE GUTTER.
- GRAVEL BAGS SHALL NOT BE PLACED IN FRONT OF DRIVEWAYS OPENINGS AND SHALL NOT BE PLACES WITHIN 15' OF A MAILBOX.
- PROTECTION CAN BE EFFECTIVE EVEN IF IT IS NOT IMMEDIATELY ADJACENT TO THE INLET, PROVIDED THAT THE INLET IS PROTECTED FROM POTENTIAL SOURCES OF POLLUTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTINELY INSPECTING AND MAINTAINING GRAVEL BAGS.
- GRAVEL BAGS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED BEYOND REPAIR.
- SEDIMENTS SHALL BE REMOVED WHEN IT IS HALF THE HEIGHT OF ONE GRAVEL BAG.
- GRAVEL BAGS MUST BE REMOVED AFTER ADJACENT OPERATIONS ARE COMPLETED.
- FILER FABRIC CURB INLET PROTECTION DETAIL MAY BY USED IN LIEU OF THIS DETAIL FOR ON GRADE CURB INLETS ONLY.

 CITY OF ARLINGTON, TEXAS		
<b>CURB INLET PROTECTION</b>		
DATE: 02/06/18	SCALE: NTS	SHEET 14 OF 15
DESIGNED BY: KDC	DRAWN BY: KDC	CHECKED BY: