













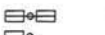



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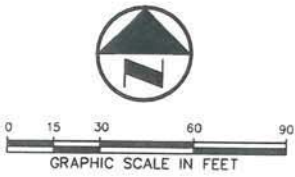
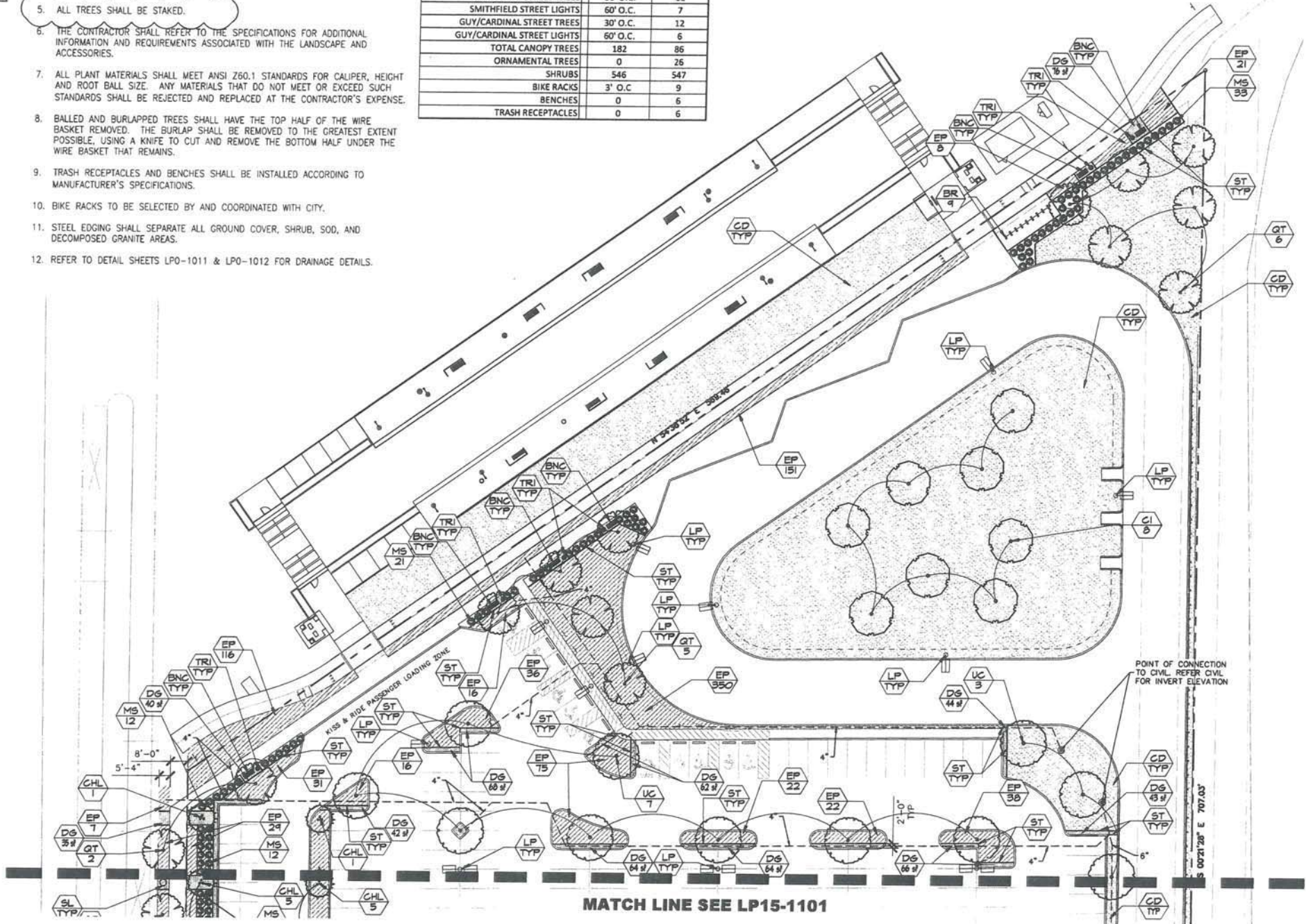
PLANTING GENERAL NOTES

- 1. ALL PLANTS SHALL BE SET OUT FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- 2. FINE GRADING SHALL BE PERFORMED IN ALL AREAS TO BE LANDSCAPED. FINE GRADING SHALL INCLUDE THE REMOVAL OF DEBRIS, ROCKS, ETC. FROM THE SITE AND INSURE POSITIVE DRAINAGE IN ALL AREAS.
- 3. THE CONTRACTOR SHALL LOCATE ALL UTILITIES AND EASEMENTS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES DURING THE COURSE OF CONSTRUCTION.
- 4. WRITTEN DIMENSIONS SHALL GOVERN OVER SCALED DIMENSIONS.
- 5. ALL TREES SHALL BE STAKED.
- 6. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS ASSOCIATED WITH THE LANDSCAPE AND ACCESSORIES.
- 7. ALL PLANT MATERIALS SHALL MEET ANSI Z60.1 STANDARDS FOR CALIPER, HEIGHT AND ROOT BALL SIZE. ANY MATERIALS THAT DO NOT MEET OR EXCEED SUCH STANDARDS SHALL BE REJECTED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- 8. BALLED AND BURLAPPED TREES SHALL HAVE THE TOP HALF OF THE WIRE BASKET REMOVED. THE BURLAP SHALL BE REMOVED TO THE GREATEST EXTENT POSSIBLE, USING A KNIFE TO CUT AND REMOVE THE BOTTOM HALF UNDER THE WIRE BASKET THAT REMAINS.
- 9. TRASH RECEPTACLES AND BENCHES SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- 10. BIKE RACKS TO BE SELECTED BY AND COORDINATED WITH CITY.
- 11. STEEL EDGING SHALL SEPARATE ALL GROUND COVER, SHRUB, SOD, AND DECOMPOSED GRANITE AREAS.
- 12. REFER TO DETAIL SHEETS LP0-1011 & LP0-1012 FOR DRAINAGE DETAILS.

LANDSCAPE TABULATIONS		
TEX RAIL NRH		
SMITHFIELD STATION	REQUIRED	PROVIDED
PARKING AREA = 181,622 sq ft		
181,622 / 1000 =	182 trees	182 trees
181,622 / 1000 x 3 =	545 shrubs	545 shrubs
	REQUIRED	PROVIDED
SMITHFIELD STREET TREES	30' O.C.	11
SMITHFIELD STREET LIGHTS	60' O.C.	7
GUY/CARDINAL STREET TREES	30' O.C.	12
GUY/CARDINAL STREET LIGHTS	60' O.C.	6
TOTAL CANOPY TREES	182	86
ORNAMENTAL TREES	0	26
SHRUBS	546	547
BIKE RACKS	3' O.C.	9
BENCHES	0	6
TRASH RECEPTACLES	0	6

PLANTING SCHEDULE

TREES		CODE	BOTANICAL NAME / COMMON NAME	CONT	CAL	QTY	
		CI	CARYA ILLINOINENSIS / PECAN SEE 1,2,3,4/LP0-1013 AND 1/LP0-1014	SEE DETAIL	3" CAL	8	
		CHL	CHILOPSIS LINEARIS / DESERT WILLOW SEE 1,2,3,4/LP0-1013 AND 3/LP0-1014	15 GAL		26	
		QT	QUERCUS TEXANA / TEXAS RED OAK SEE 1,2,3,4/LP0-1013 AND 1/LP0-1014	SEE DETAIL	3" CAL	37	
		UC	ULMUS CRASSIFOLIA / CEDAR ELM SEE 1,2,3,4/LP0-1013 AND 1/LP0-1014	SEE DETAIL	3" CAL	41	
SHRUBS		CODE	BOTANICAL NAME / COMMON NAME	SIZE		QTY	
		MS	MISCANTHUS SINENSIS 'ADAGIO' / ADAGIO EULALIA GRASS SEE 5,6/LP0-1013	5 GAL		227	
		NM	NANDINA DOMESTICA 'MOON BAY' TM / HEAVENLY BAMBOO SEE 5,6/LP0-1013	5 GAL		72	
		SS	SCHIZACHYRIUM SCOPARIUM / LITTLE BLUESTEM GRASS SEE 5,6/LP0-1013	5 GAL		248	
GROUND COVERS		CODE	BOTANICAL NAME / COMMON NAME	CONT	SPACING	QTY	
		EP	EUONYMUS FORTUNEI 'COLORATUS' / PURPLE WINTERCREEPER SEE 5,7/LP0-1013	FLAT	36" o.c.	2,175	
SOD/SEED		CODE	BOTANICAL NAME / COMMON NAME	CONT	SPACING	QTY	
		CD	CYNODON DACTYLON / BERMUDA GRASS SEE 1/LP14-1101	SOD		48,059 SF	
HARDSCAPE		CODE	MATERIAL	CONT	FIELD2	SPACING	QTY
		DG	Compacted - Decomposed Granite SEE SHEET 2/LP14-1101	None			6,379 SF
		ST	STEEL EDGING SEE SHEET 8/LP0-1013				
SITE FURNITURE							
		BR	BIKE RACK				9
		BNC	BENCH-URBANSCAPE-BUTLER SERIES BU1112C/BU1113C,BU111/4C/BU1119C				6
		TR1	TRASH RECEPTACLE-URBANSCAPE TJ TRASH W/ SIDE DOOR TJ3B431/TJ3B435 W/ INGROUND LEG				6
		LP	PARKING LIGHT POLE				
		SL	STREET LIGHT POLE				13
			SUBSURFACE DRAINAGE				
			POINT OF CONNECTION TO CIVIL				



ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△	03/15/16	COMMENTS FROM TEX RAIL				
△						
△						
△						
△						
△						
△						



Pacheco Koch
8350 N. CENTRAL EXPY., SUITE 1000
DALLAS, TX 75206 972.235.3031
TX REG. ENGINEERING FIRM F-14439
TX REG. SURVEYING FIRM LS-101938-05

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**FORT WORTH
TRANSPORTATION AUTHORITY**

SCALE	1" = 30'
DRAWN	LAK
DESIGNED	CRR
CHECKED	NGN
IN CHARGE	NGN
DATE	01/20/2016

TEX RAIL

NORTH RICHLAND HILLS STATIONS

SMITHFIELD STATION

PLANTING PLANS

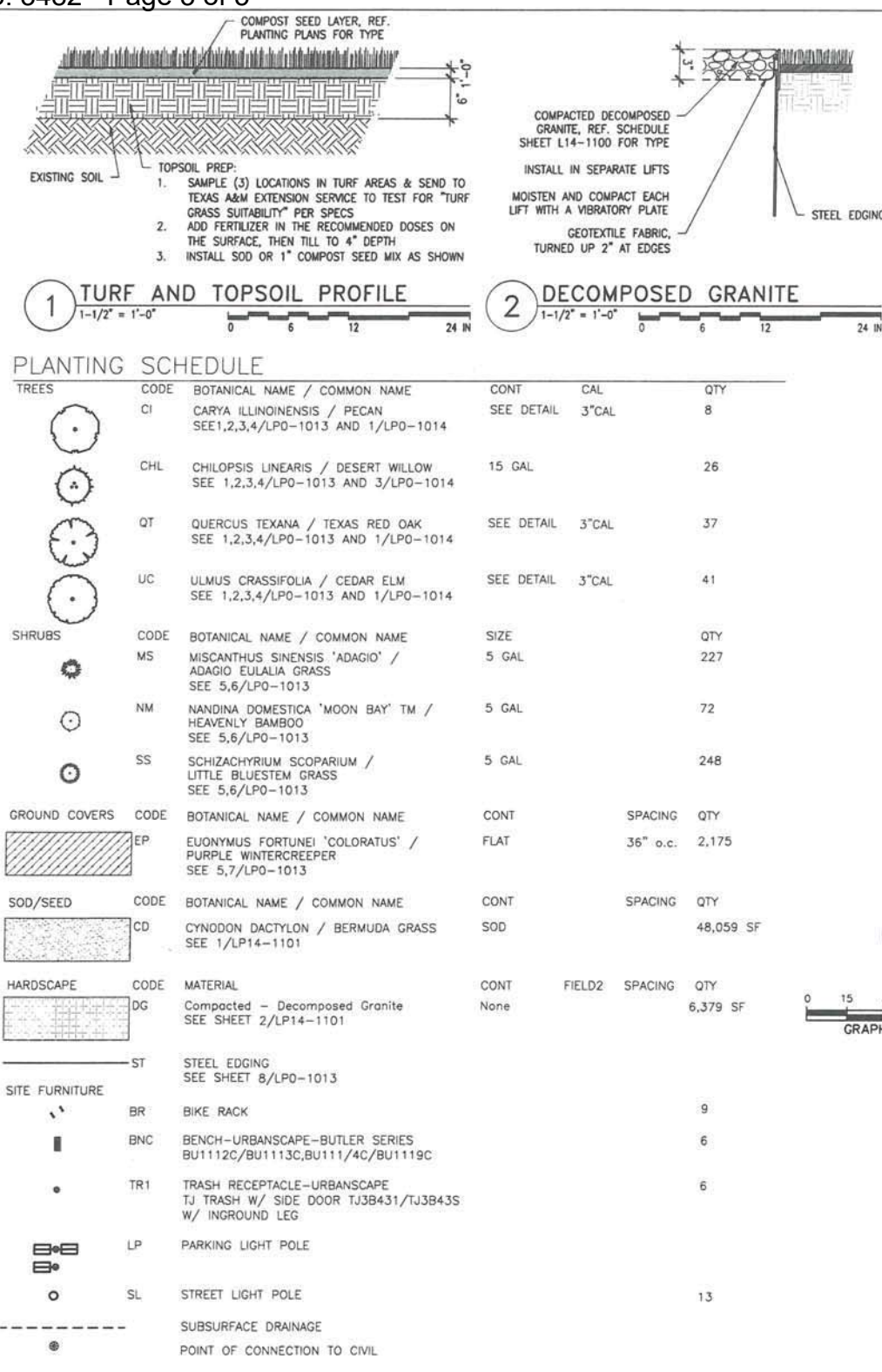
SHEET No. 53

DWG No. LP15-1100

REV

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TEX RAIL

RICHLAND HILLS STATIONS

WORTHFIELD STATION PLANTING PLANS

△	03/15/16	COMMENTS FROM TEX RAIL	CRR		NGN	
△						
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REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



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SHEET No.	DWG No.	REV
54	LP15-1101	



The diagram illustrates a typical bike path marking with the following dimensions and features:

- 12" WIDE SOLID WHITE LINE:** The top boundary line of the bike path.
- YIELD STOP LINE:** A line with a cross-hatched buffer zone, located 9.5' from the 12" wide solid white line.
- 16.25':** The width of the main bike lane.
- 9.5':** The width of the buffer zone between the yield stop line and the main bike lane.
- 10.5':** The width of the section containing preformed thermoplastic markings.
- 3':** The width of the section containing preformed thermoplastic markings.
- 5':** The width of the section containing preformed thermoplastic markings.
- 3':** The width of the section containing preformed thermoplastic markings.
- PREFORMED THERMOPLASTIC MARKINGS:** Indicated by arrows pointing to the markings in the 10.5' and 3' sections.

TYPICAL BIKE PATH MARKING

50'	<p align="center">TEX RAIL</p> <p align="center">NORTH RICHLAND HILLS STATIONS</p> <p align="center">SMITHFIELD STATION</p> <p align="center">PARKING SPACE AND SIGNAGE</p> <p align="center">TABULATION PLAN</p>		
1A			
1A			
15			
15			
15			
TEA	SHEET No.	DWG No.	REV
	42	SS15-1121	1

PROPOSED SMITHFIELD TOD STREET FURNITURE



Burst Rust



Hazelnut



Pewter Vein



**Textured
Black**



**Textured
Bronze**