

TOWN OF ADDISON

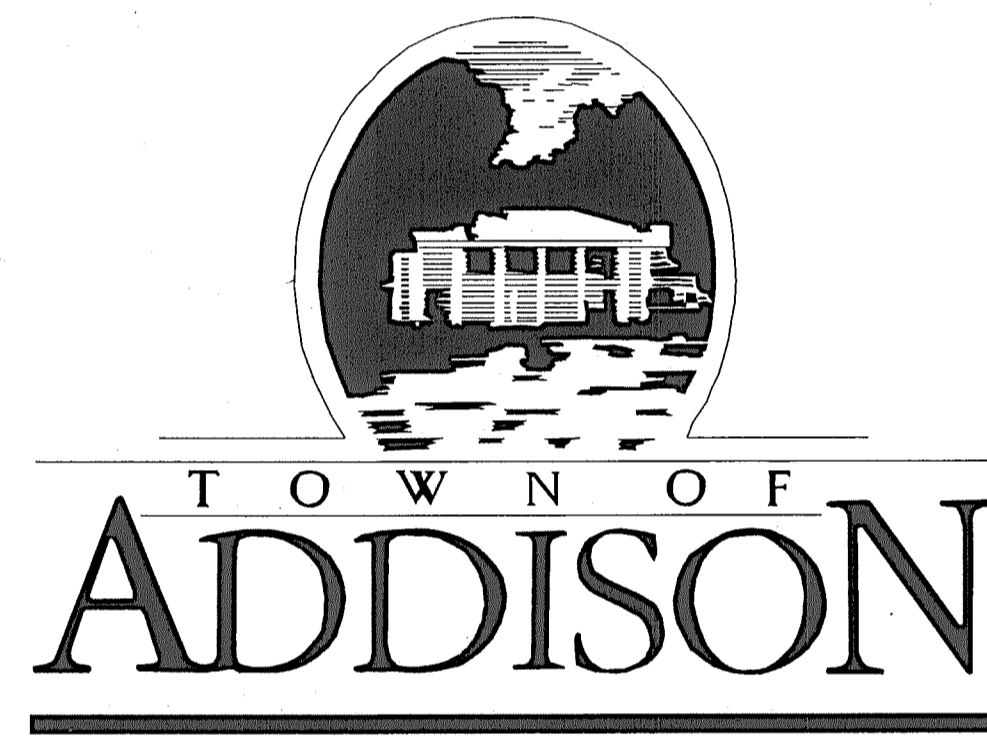
PLANS FOR

SPECTRUM DRIVE

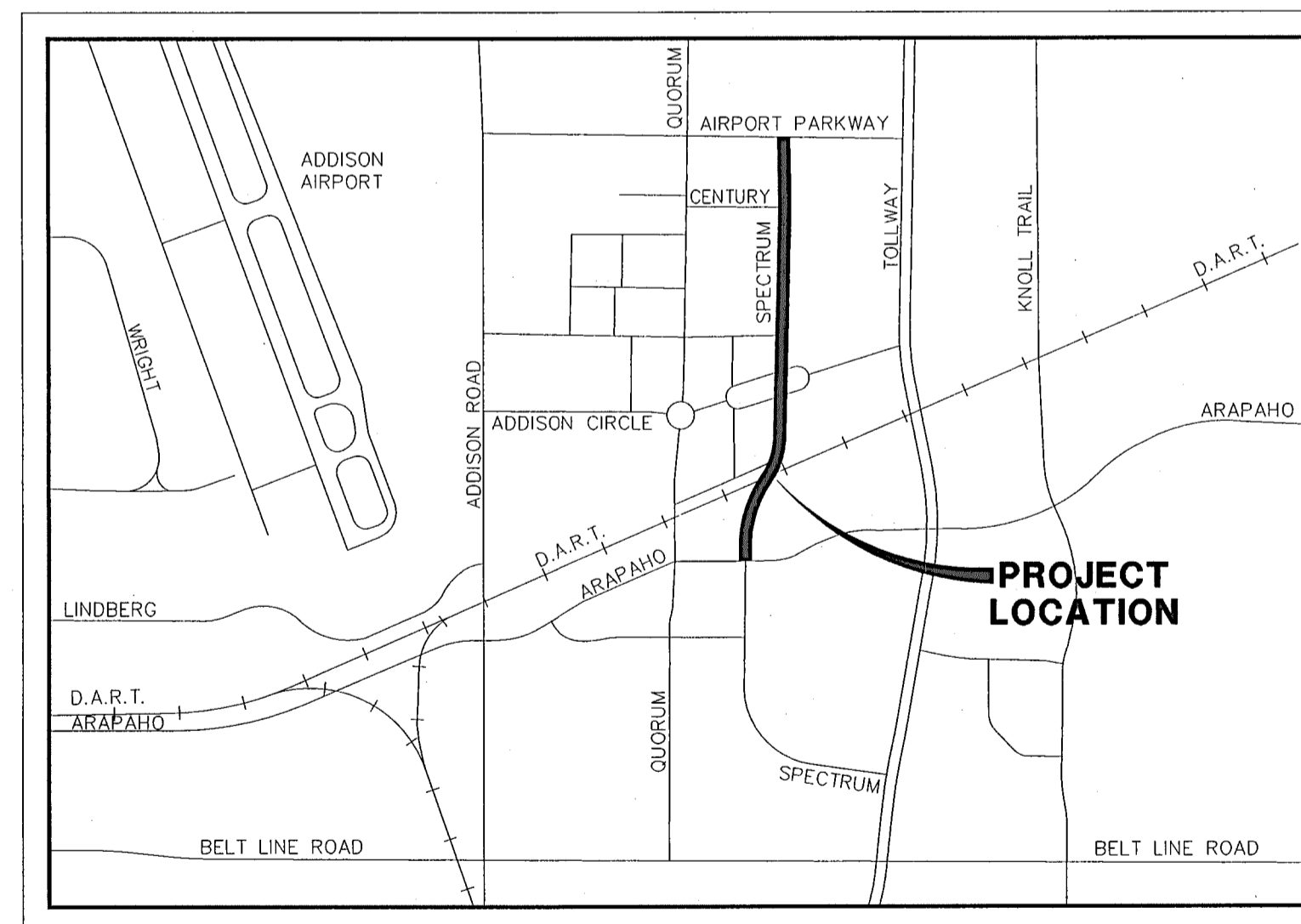
SIDEWALK RECONSTRUCTION REQUIRED

FOR ADA COMPLIANCE

PW# 2010-07



1. GENERAL NOTES
2. LOCATION MAP
- 3-5. SIDEWALK RECONSTRUCTION PLANS
SPECTRUM DRIVE RECORD DRAWING
(FOR REFERENCE ONLY)



LOCATION MAP

G&A JOB NO. 1122-10

OCTOBER, 2010

GRANTHAM & ASSOCIATES
F-005438



THE SEAL APPEARING ON THIS DOCUMENT
WAS AUTHORIZED BY:
P. CHRISTOPHER ROBINSON
ON 10/19/2010
ALTERATION OF A SEALED DOCUMENT WITHOUT
PROPER NOTIFICATION TO THE RESPONSIBLE
ENGINEER IS AN OFFENSE UNDER THE
TEXAS ENGINEERING PRACTICE ACT.

OWNER:

TOWN OF ADDISON
DEPARTMENT OF PUBLIC WORKS
16801 WESTGROVE
ADDISON, TX. 75001-9010

ENGINEER:

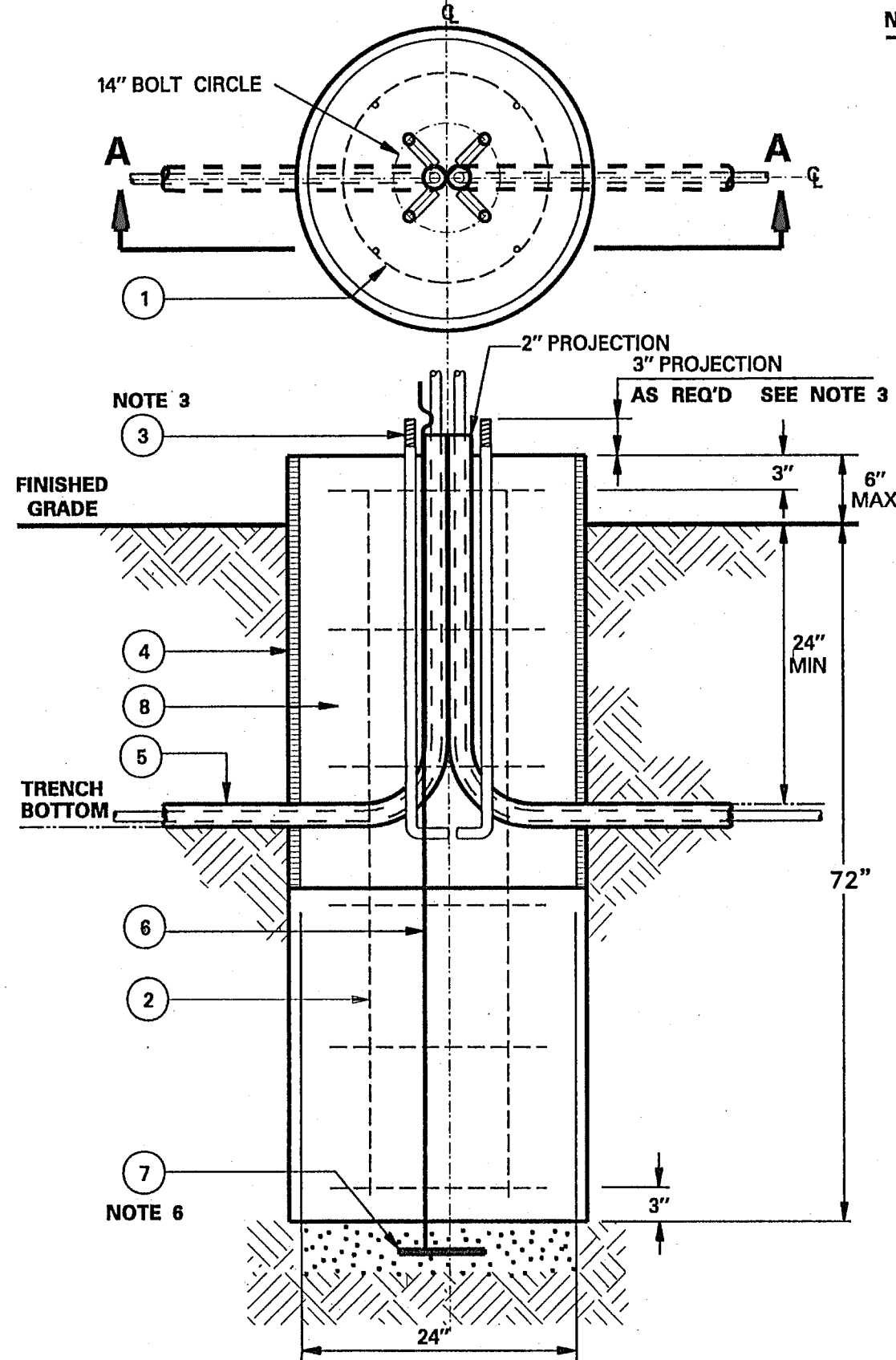
g&a Grantham & Associates
Civil Engineering

6570 NAAMAN FOREST BLVD.
SUITE 200, L.B. 2
GARLAND, TEXAS 75044

**STREET LIGHT FOUNDATION
25', 30' & 40' SQUARE STEEL POLE
40' M.H. ROUND STEEL POLE**

NOTES:

1. CONCRETE TO BE MINIMUM 3000 PSI AT 28 DAYS. (5 SACK) MAXIMUM AGGREGATE 3/4" TOP OF FOUNDATION TO BE TROWELED TO A FLAT AND LEVEL SURFACE. AVOID EXCESSIVE TROWELING. CONCRETE TO SET A MINIMUM OF 72 HOURS BEFORE POLE INSTALLATION.
2. REBAR HOOPS ARE TIED BEGINNING 3" BELOW TOP OF CONCRETE FORM AND ARE REPEATED AT APPROXIMATE 1' INTERVALS TO BOTTOM OF FOUNDATION.
3. 1" ANCHOR BOLTS TO BE USED WITH 25' & 30' POLE. 1 1/4" ANCHOR BOLTS TO BE USED WITH 40' POLE. USE TEMPLATE FURNISHED BY POLE MANUFACTURER FOR ALIGNING ANCHOR BOLTS. PROJECTION OF 3" ON 25' & 30' SQUARE AND 3 1/2" ON 40' SQUARE AND ROUND POLES.
4. CONCRETE FORM OF SONOTUBE TO EXTEND TO BOTTOM OF TRENCH OR AS NEEDED.
5. PROVIDE MINIMUM 24" GROUND WIRE PIGTAIL OUT OF CONCRETE FOR CONNECTION TO POLE.
6. A MINIMUM OF 12' OF BARE #6 SD CU WIRE TO BE PLACED IN BOTTOM OF HOLE AND COVERED WITH 2" OF DIRT
7. IF SOIL HAS BEEN DISTURBED, EXTEND FOUNDATION BY DEPTH OF DISTURBED SOIL.



SECTION "A - A"

ITEM	QTY	DESCRIPTION	TSV/REF	CU	MU
1	6	#3 REBAR, 18" DIAMETER HOOP, 3" OVERLAP	314470		
2	4	#5 REBAR, STRAIGHT, 60" LONG	317821		
3	4	ANCHOR BOLT, GALV. 1" FOR 25' & 30' POLES	SEE NOTE 3	SLF2530	
3	4	ANCHOR BOLT, 1 1/4" GALV FOR 40' POLES	SEE NOTE 3	SLF40	
4	AS REQ'D	CONCRETE FOUNDATION TUBE, 24" DIAMETER	313841		
5	AS REQ'D	CONDUIT, PVC OR PEC (NOT IN FOUNDATION AUN)			
6	.5 LB	WIRE, #6 COPPER, SOLID	303244		
7	1	GROUND, POLE BUTT WIRE COIL			
8	AS REQ'D	CONCRETE			

APPROVED BY

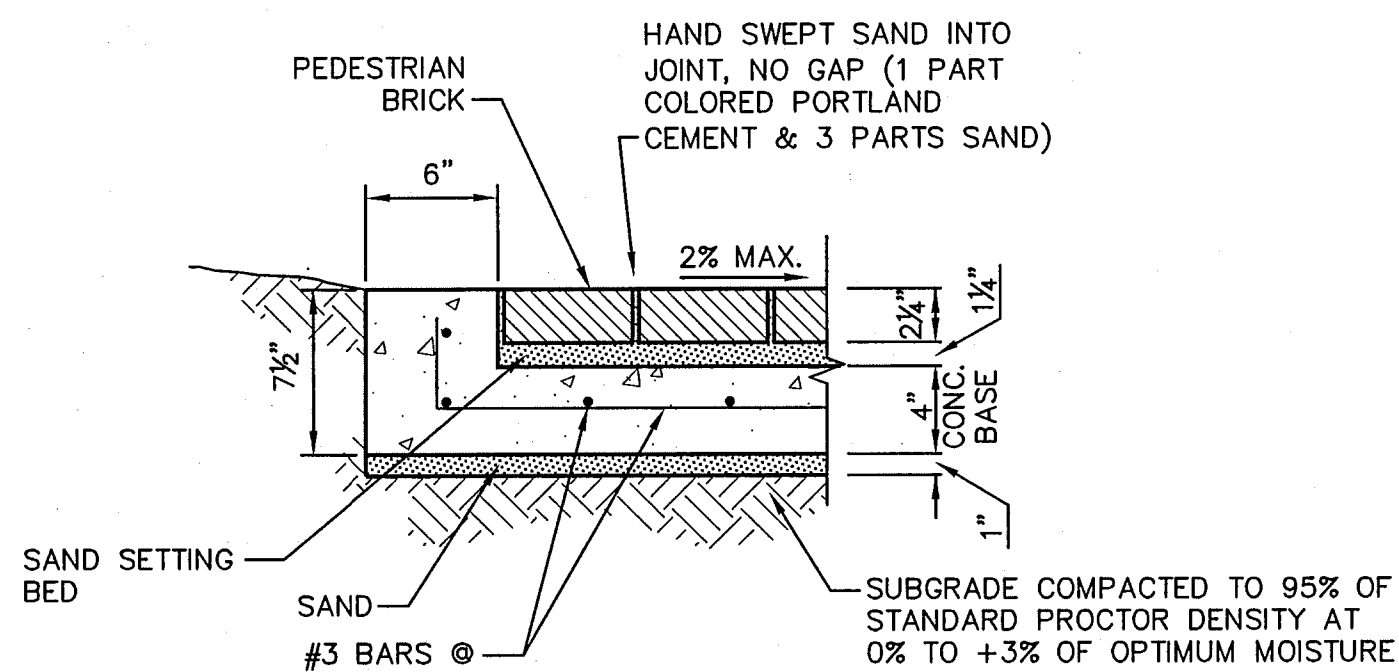


GENERAL NOTES

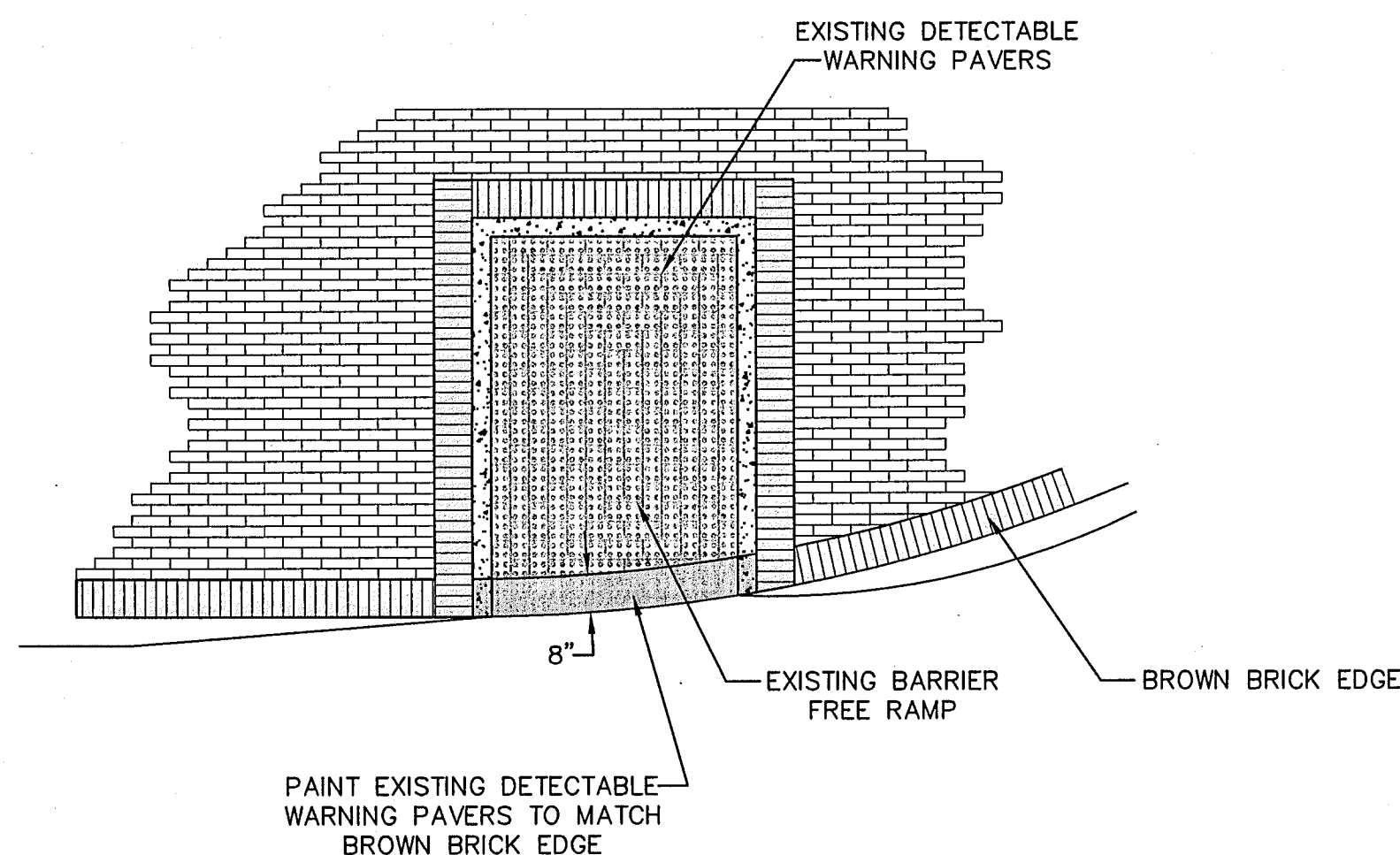
1. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE CONSTRUCTION STANDARDS OF THE TOWN OF ADDISON AND GOVERNED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENT'S (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 3RD EDITION.
2. IN CASE OF CONFLICT OR CONTRADICTIONS BETWEEN THE CONSTRUCTION STANDARDS OF THE TOWN OF ADDISON AND THE NCTCOG SPECIFICATIONS, THE CONSTRUCTION STANDARDS OF THE TOWN OF ADDISON PRESIDE.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS WITH THE OWNERS OF UNDERGROUND FACILITIES PRIOR TO WORKING IN THE AREA TO CONFIRM THEIR LOCATION. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL UNDERGROUND FACILITIES.
4. WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR THE UTILITIES OR SERVICE LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONSTRUCTION, OR BETTER, UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS, AT HIS OWN COST AND EXPENSE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE TOWN AT ONCE OF ANY CONFLICTS IN GRADES AND ALIGNMENT.
5. FOR FRANCHISE UTILITY LOCATOR SERVICES, CALL TEXAS 811.
6. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE, BUT ARE NOT LIMITED TO TRENCH BACKFILL, SIDE SLOPES, FENCES, CULVERT PIPES, DRAINAGE DITCHES, IRRIGATION, SODDING OR SEEDING, DRIVEWAYS, PRIVATE YARDS AND ROADWAYS.
7. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING FACILITIES RESULTING FROM CONSTRUCTION WORK SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
8. ALL EXCESS EXCAVATED MATERIAL AND STRIPPINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN A PROPER MANNER OFF THE PROJECT SITE.

SAFETY

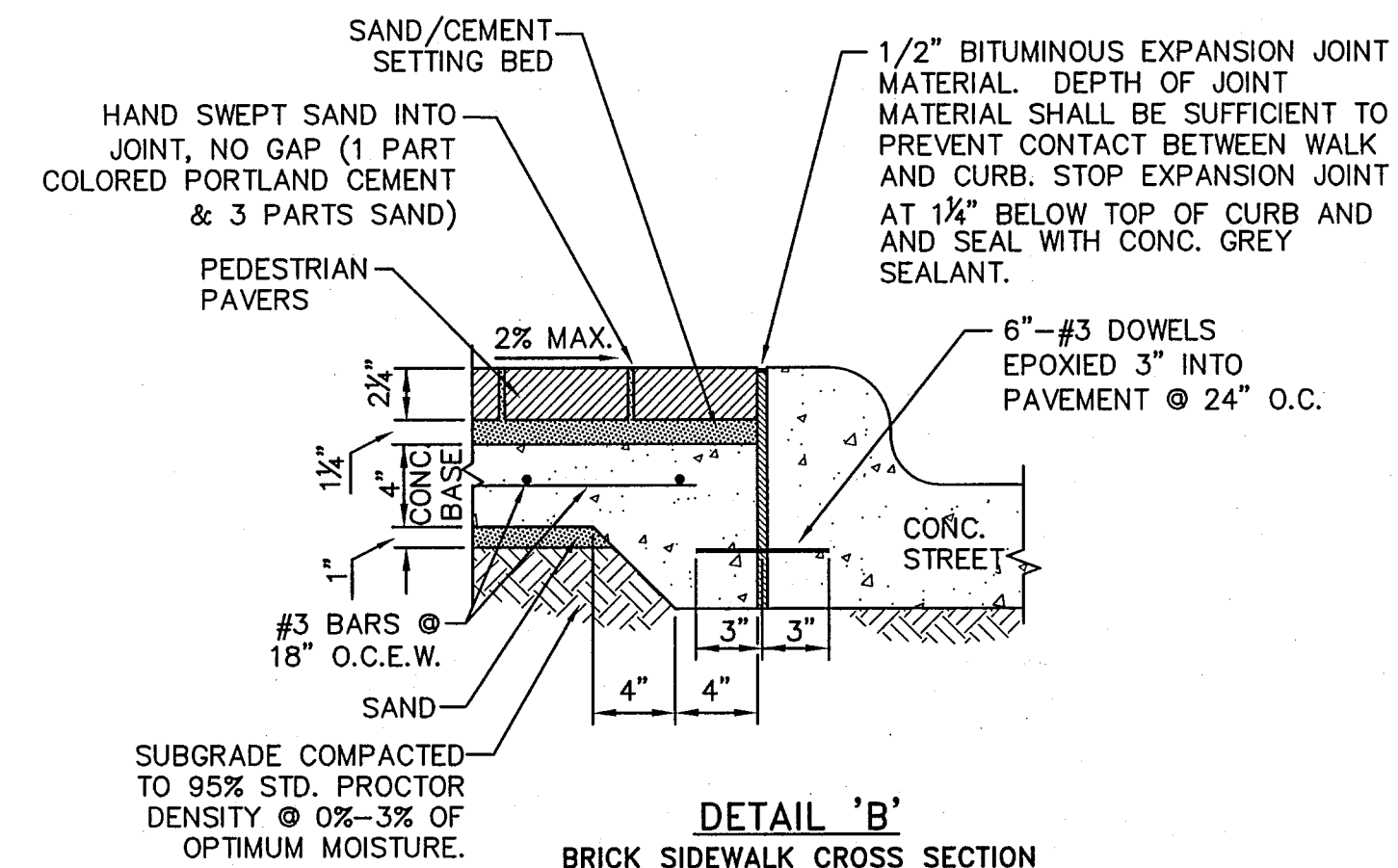
1. ALL CONTRACTORS AND DEVELOPERS, WITH THEIR EMPLOYEES AND AGENTS, SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY LAWS AND REGULATIONS INCLUDING BUT NOT LIMITED TO THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, ORDINANCES, RULES, REGULATIONS AND ORDERS OR ANY PUBLIC AUTHORITY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY TO PROTECT THEM FROM DAMAGE, INJURY OR LOSS. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROGRESS OF THE WORK, ALL REASONABLE SAFEGUARDS FOR SAFETY AND PROTECTION, INCLUDING PROVIDING AND MAINTAINING SIGNS IN ACCORDANCE WITH THE MOST CURRENT BARRICADE AND CONSTRUCTION STANDARDS FROM THE TEXAS MANUAL OF UNIFORM CONTROL DEVICES (AND OTHER SUCH BARRICADES AND SIGNS AS DEEMED NECESSARY BY THE TOWN ENGINEER), PROMULGATED SAFETY REGULATIONS AND NOTIFYING OWNERS AND USERS OF ADJACENT UTILITIES. SAFETY PRECAUTIONS SHALL INCLUDE BUT NOT BE LIMITED TO COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL STANDARDS, LAWS, ORDINANCES AND STANDARDS FOR DESIGN AND IMPLEMENTATION OF TRENCH SAFETY, CONFINED SPACE, TRAFFIC CONTROL, AND UTILITY NOTIFICATION.



**DETAIL 'A'
BRICK SIDEWALK CROSS SECTION**



**DETAIL 'C'
CURB RAMP PAINTING DETAIL**



**DETAIL 'B'
BRICK SIDEWALK CROSS SECTION**

PEDESTRIAN FACILITIES GENERAL NOTES

1. ALL SLOPES ARE MAXIMUM ALLOWABLE. THE LEAST POSSIBLE SLOPE THAT WILL STILL DRAIN PROPERLY SHOULD BE USED. ADJUST CURB RAMP LENGTH OR GRADE OF APPROACH SIDEWALKS AS DIRECTED.
2. THE MINIMUM SIDEWALK WIDTH IS 5'. WHERE THE SIDEWALK IS ADJACENT TO THE BACK OF CURB, A 6' SIDEWALK WIDTH IS REQUIRED. WHERE A 5' SIDEWALK CAN NOT BE PROVIDED DUE TO SITE CONSTRAINTS, A MINIMUM 3' SIDEWALK WITH 5' X 5' PASSING AREAS AT INTERVALS NOT TO EXCEED 200' IS REQUIRED.
3. LANDINGS SHALL BE 5' X 5' MINIMUM WITH A MAXIMUM 2% SLOPE IN ANY DIRECTION.
4. MANEUVERING SPACE AT THE BOTTOM OF CURB RAMPS SHALL BE A MINIMUM OF 4' X 4' WHOLLY CONTAINED WITHIN THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICULAR TRAVEL PATH.
5. MAXIMUM ALLOWABLE CROSS SLOPE ON SIDEWALK AND CURB RAMP SURFACES IS 2%.
6. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP, EITHER BECAUSE THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE OR BECAUSE THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED. OTHERWISE, PROVIDE FLARED SIDES.
7. ADDITIONAL INFORMATION ON CURB RAMP LOCATION, DESIGN, LIGHT REFLECTIVE VALUE AND TEXTURE MAY BE FOUND IN THE CURRENT EDITION OF THE TEXAS ACCESSIBILITY STANDARDS (TAS) AND 16 TAC § 68.102.
8. TO SERVE AS A PEDESTRIAN REFUGE AREA, THE MEDIAN SHOULD BE A MINIMUM OF 5' WIDE. MEDIANS SHOULD BE DESIGNED TO PROVIDE ACCESSIBLE PASSAGE OVER OR THROUGH THEM.
9. SMALL CHANNELIZATION ISLANDS, WHICH DO NOT PROVIDE A MINIMUM 5' X 5' LANDING AT THE TOP OF CURB RAMPS, SHALL BE CUT THROUGH LEVEL WITH THE SURFACE OF THE STREET.
10. CROSSWALK DIMENSIONS, CROSSWALK MARKINGS AND STOP BAR LOCATIONS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS. AT INTERSECTIONS WHERE CROSSWALK MARKINGS ARE NOT REQUIRED, CURB RAMPS SHALL BE ALIGNED WITH THEORETICAL CROSSWALKS, OR AS DIRECTED BY THE ENGINEER.
11. EXISTING FEATURES THAT COMPLY WITH TAS MAY REMAIN IN PLACE UNLESS OTHERWISE SHOWN ON THE PLANS.
12. HANDRAILS ARE NOT REQUIRED ON CURB RAMPS. PROVIDE CURB RAMPS WHEREVER AN ACCESSIBLE ROUTE CROSSES (PENETRATES) A CURB.
13. SEPARATE CURB RAMP AND LANDINGS FROM ADJACENT SIDEWALK AND ANY OTHER ELEMENTS WITH PREMOLD OR BOARD JOINT OF 3/4" UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
14. PROVIDE A SMOOTH TRANSITION WHERE THE CURB RAMPS CONNECT TO THE STREET.
15. FLARE SLOPE SHALL NOT EXCEED 10% MEASURED ALONG CURB LINE.

(972) 864-2333 (TEL)
(972) 864-2334 (FAX)

570 NAAMAN FOREST BLVD., SUITE 200, LB. 2
GARLAND, TEXAS 75044

g&a Grantham & Associates
Civil Engineering

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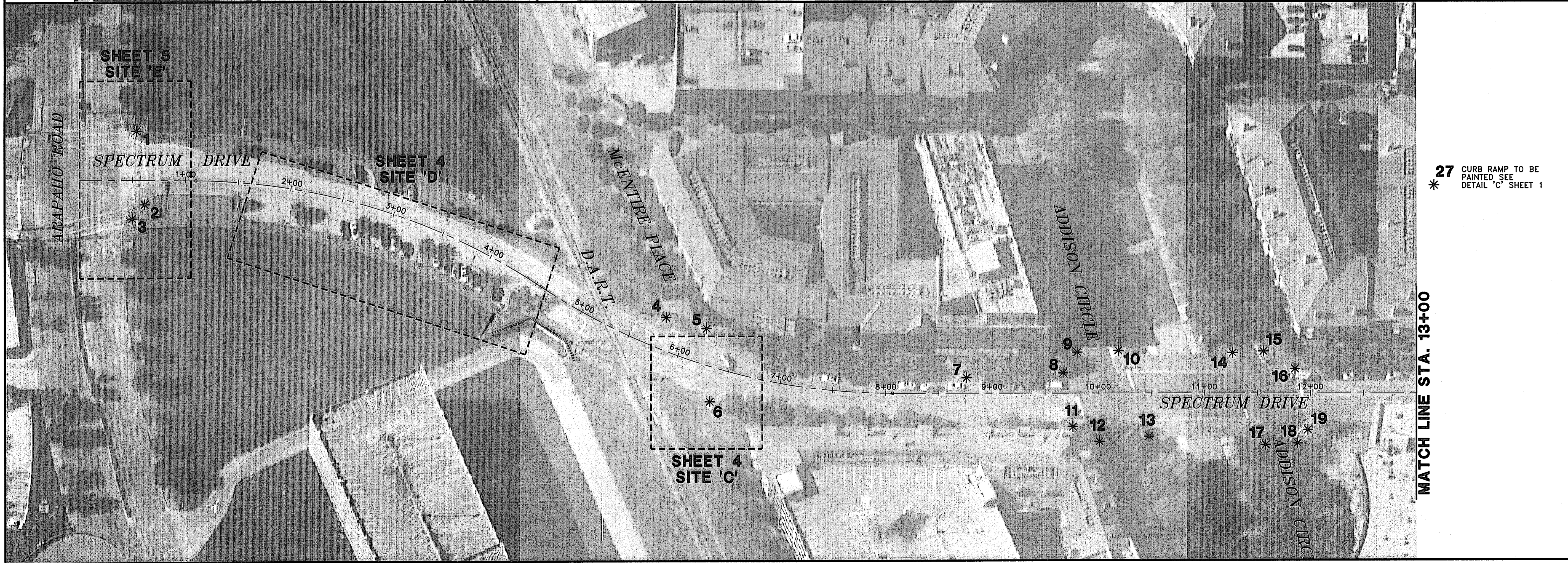
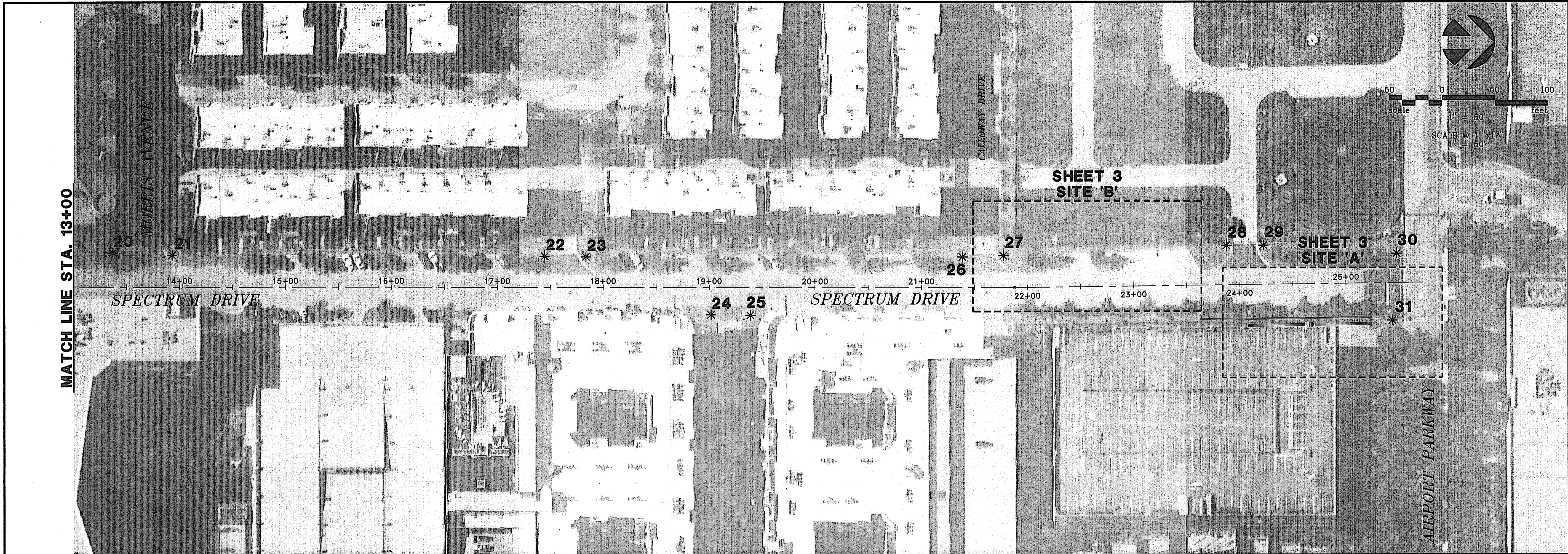
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SPECTRUM DRIVE
SIDEWALK RECONSTRUCTION
REQUIRED FOR ADA COMPLIANCE

TOWN OF ADDISON

DATE: OCTOBER 2010
SCALE: NTS
DRAWN BY: G&A
DESIGN: BRG
REVIEWED: -
JOB NO: 1122-10
DWG: 1122GEN-NOTES

SHEET
OF
1 OF 5



MATCH LINE STA. 13+00

MATCH LINE STA. 13+00

* 27 CURB RAMP TO BE PAINTED SEE DETAIL 'C' SHEET 1

g&a Grantham & Associates
Civil Engineering

4570 N. AMAN FOREST BLVD., SUITE 200, L.B. 2
GARLAND, TEXAS 75044

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(972) 864-2334 (FAX)

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GRANTHAM & ASSOCIATES
F-005438

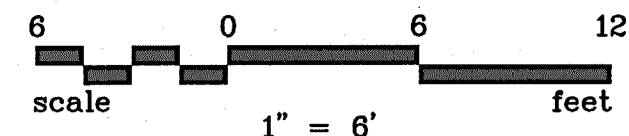
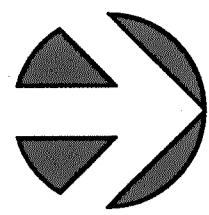


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**SPECTRUM DRIVE
SIDEWALK RECONSTRUCTION
REQUIRED FOR ADA COMPLIANCE
LOCATION MAP
TOWN OF ADDISON**

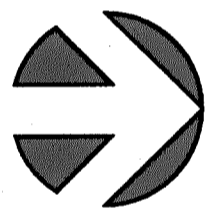
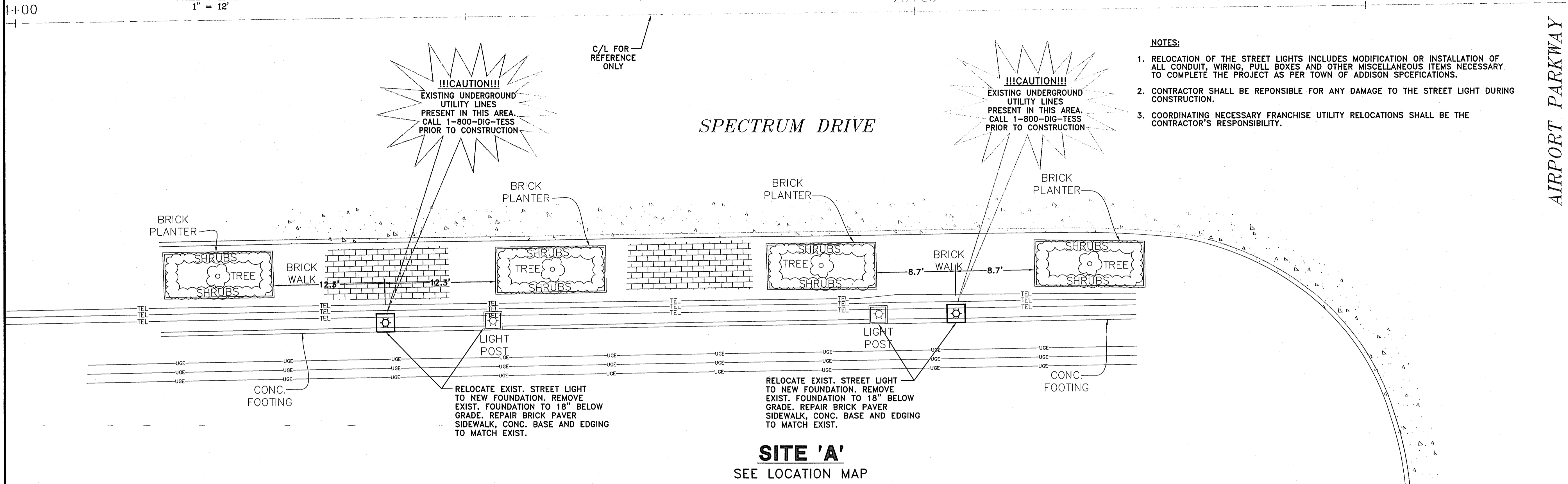
DATE: OCTOBER 2010
SCALE: 1"=50'
DRAWN BY: G&A
DESIGN: BRG
REVIEWED:
JOB NO: 1122-10
DWG: 1122LOCATION-MAP

SHEET OF 5



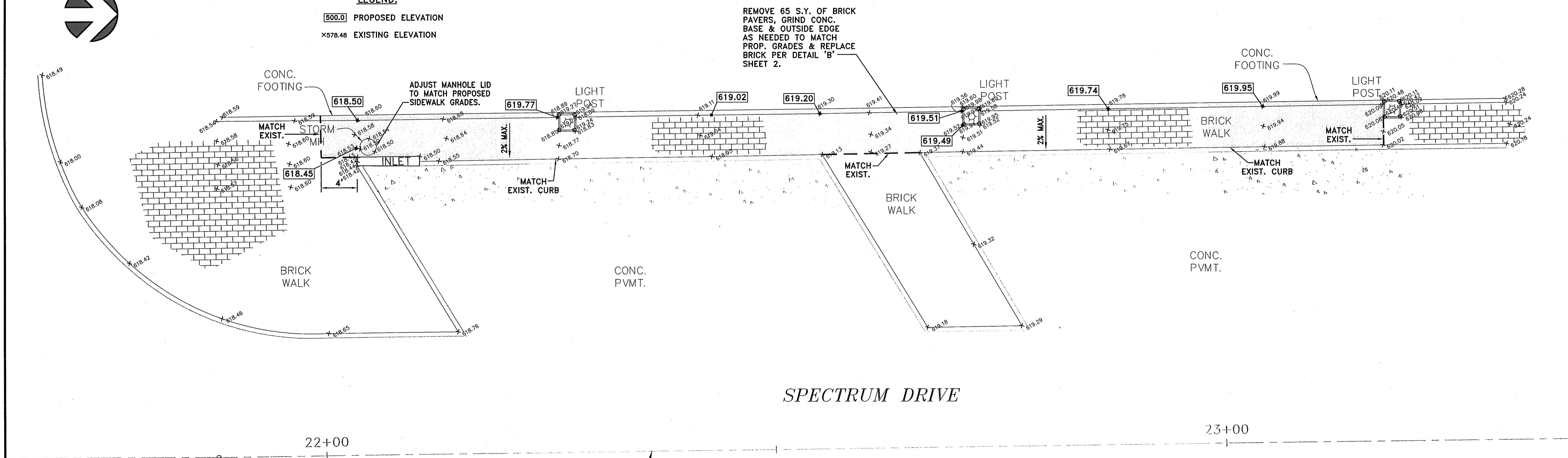
SCALE @ 11"x17"
1" = 12'

25+00



LEGEND:

- 500.0 PROPOSED ELEVATION
- x578.48 EXISTING ELEVATION



NOTE:

1. CONTRACTOR SHALL CONFIRM MAXIMUM 2% CROSS SLOPE AFTER GRINDING IS COMPLETED, PRIOR TO INSTALLING BRICK PAVERS.

NO.	DATE	REVISION	APPROV.
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F-005438



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**SPECTRUM DRIVE
SIDEWALK RECONSTRUCTION
REQUIRED FOR ADA COMPLIANCE**

TOWN OF ADDISON

DATE: OCTOBER 2010
SCALE: 1"=6'
DRAWN BY: G&A
DESIGN: BRG
REVIEWED:
JOB NO: 1122-10
DWG: 1122SWPLAN01

SPECTRUM DRIVE

6+00

C/L FOR REFERENCE ONLY

DOWEL INTO EXISTING CONC. WITH #3 BARS @ 18" CENTERS

BRICK WALK

CONC. FOOTING

I.C.V.

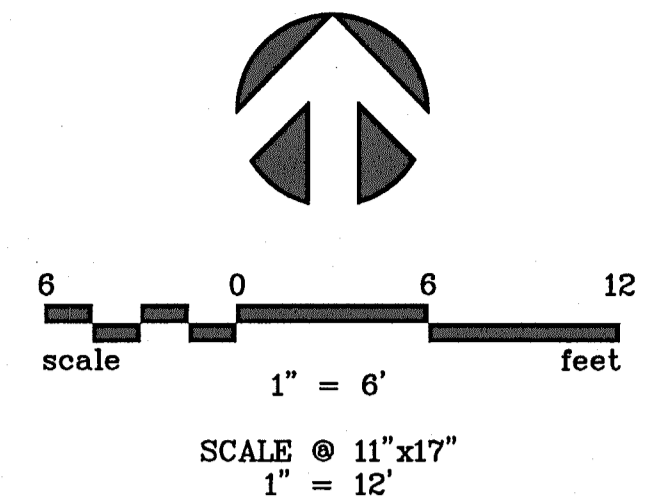
NO PARKING SIGN

SAWCUT, REMOVE & REPLACE 2 S.Y. BRICK SIDEWALK SEE DETAIL 'A' SHEET 1

DOWEL INTO EXISTING CONC. WITH #3 BARS @ 18" CENTERS

SITE 'C'

SEE LOCATION MAP



SPECTRUM DRIVE

5+00

HIGH VOLTAGE BOXES

CONC. PVMT.

REMOVE 23 S.Y. OF BRICK PAVERS, GRIND CONC. BASE & OUTSIDE EDGE AS NEEDED TO MATCH PROP. GRADES & REPLACE BRICK PER DETAIL 'B' SHEET 2.

BRICK WALK

STONE FACE

CONC. FOOTING

SITE 'D'

SEE LOCATION MAP

REMOVE & REPLACE STONE FACING ALONG CONCRETE EDGING TO MATCH PROPOSED GRADES

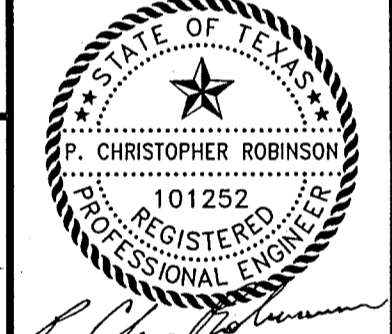
STONE WALL WITH RAIL

NOTE:

- CONTRACTOR SHALL CONFIRM MAXIMUM 2% CROSS SLOPE AFTER GRINDING IS COMPLETED, PRIOR TO INSTALLING BRICK PAVERS.

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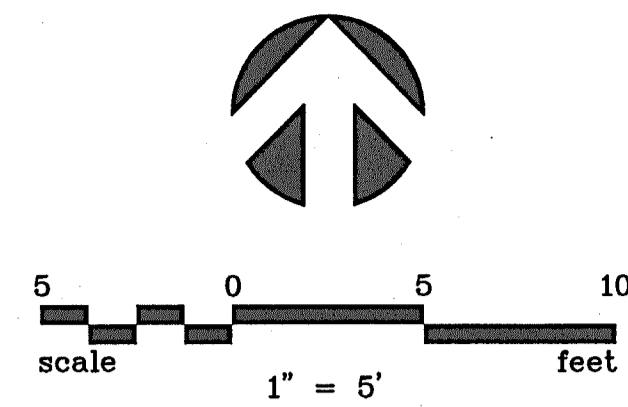
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**SPECTRUM DRIVE
SIDEWALK RECONSTRUCTION
REQUIRED FOR ADA COMPLIANCE
TOWN OF ADDISON**

DATE: OCTOBER 2010
SCALE: 1"=6'
DRAWN BY: G&A
DESIGN: BRG
REVIEWED:
JOB NO: 1122-10
DWG: 1122SWPLAN02



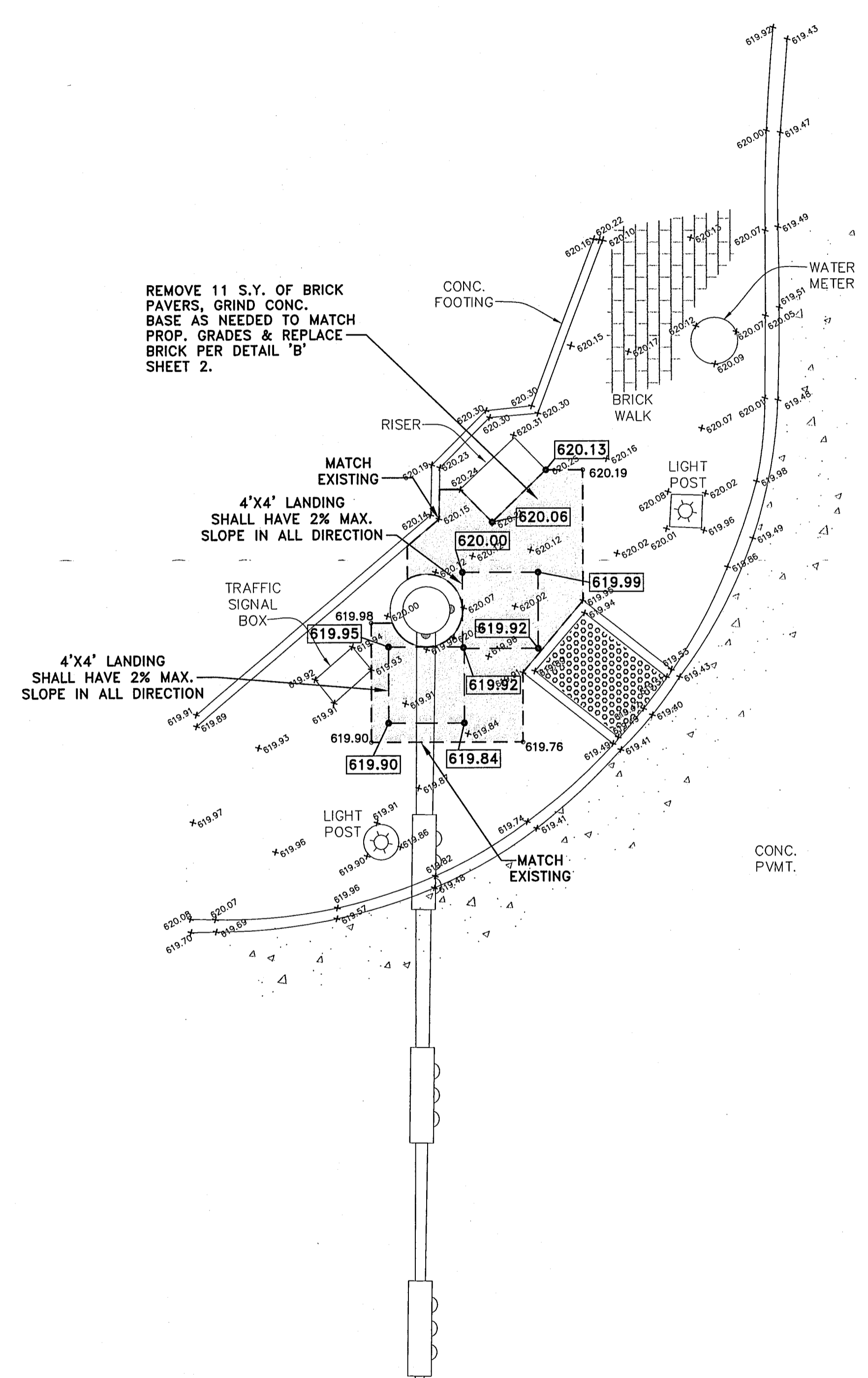
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**SPECTRUM DRIVE
SIDEWALK RECONSTRUCTION
REQUIRED FOR ADA COMPLIANCE**
TOWN OF ADDISON

DATE:	OCTOBER 2010
SCALE:	1"=5'
DRAWN BY:	G&A
DESIGN:	BRG
REVIEWED:	
JOB NO:	1122-10
DWG:	1122SWPLAN03



REMOVE 11 S.Y. OF BRICK PAVERS, GRIND CONC. BASE AS NEEDED TO MATCH PROP. GRADES & REPLACE BRICK PER DETAIL 'B' SHEET 2.

4'x4' LANDING SHALL HAVE 2% MAX. SLOPE IN ALL DIRECTION

4'x4' LANDING SHALL HAVE 2% MAX. SLOPE IN ALL DIRECTION

- LEGEND:**
- 619.84* EXISTING ELEVATION
 - 619.90° CALCULATED EXISTING ELEVATIONS
 - 619.90● PROPOSED ELEVATION

SPECTRUM DRIVE

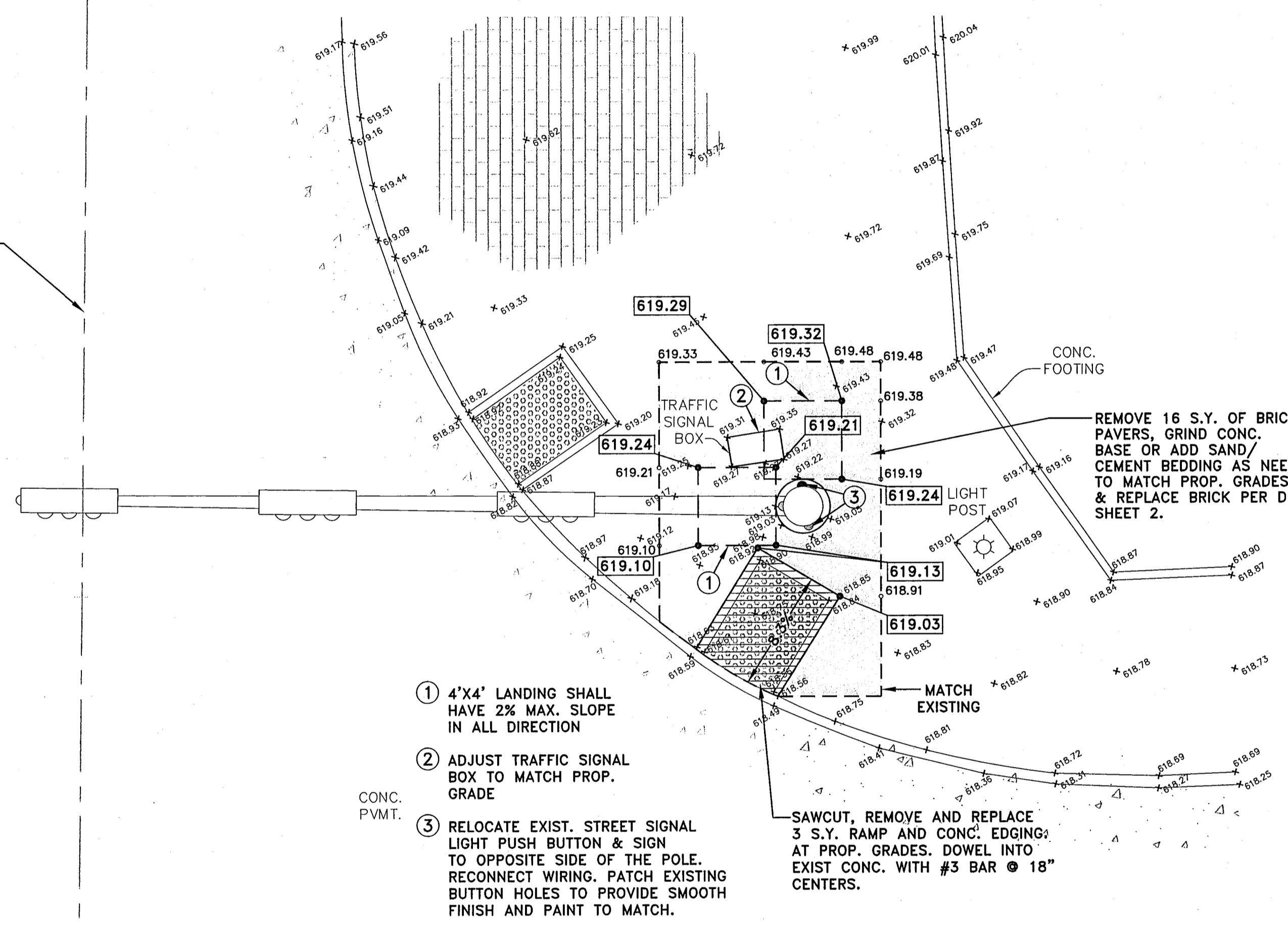
C/L FOR REFERENCE ONLY

SITE 'E'
SEE LOCATION MAP

ARAPAHO ROAD

1+00

STA. 0+00.00



REMOVE 16 S.Y. OF BRICK PAVERS, GRIND CONC. BASE OR ADD SAND/CEMENT BEDDING AS NEEDED TO MATCH PROP. GRADES & REPLACE BRICK PER DETAIL 'B' SHEET 2.

- ① 4'x4' LANDING SHALL HAVE 2% MAX. SLOPE IN ALL DIRECTION
- ② ADJUST TRAFFIC SIGNAL BOX TO MATCH PROP. GRADE
- ③ RELOCATE EXIST. STREET SIGNAL LIGHT PUSH BUTTON & SIGN TO OPPOSITE SIDE OF THE POLE. RECONNECT WIRING. PATCH EXISTING BUTTON HOLES TO PROVIDE SMOOTH FINISH AND PAINT TO MATCH.

SAWCUT, REMOVE AND REPLACE 3 S.Y. RAMP AND CONC. EDGING AT PROP. GRADES. DOWEL INTO EXIST. CONC. WITH #3 BAR @ 18" CENTERS.

NOTE:
1. CONTRACTOR SHALL CONFIRM MAXIMUM 2% CROSS SLOPE AFTER GRINDING IS COMPLETED, PRIOR TO INSTALLING BRICK PAVERS.