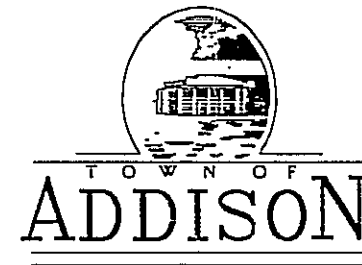


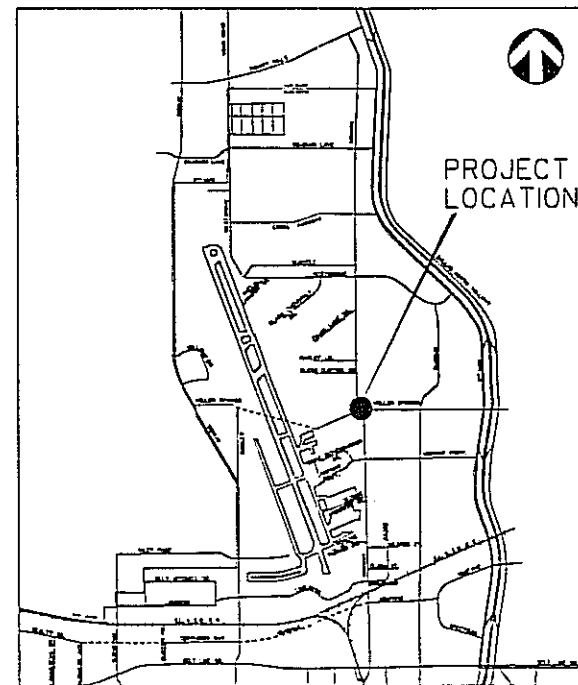
h1-15

TRAFFIC SIGNAL DESIGN PLANS FOR THE INTERSECTION OF ADDISON ROAD WITH KELLER SPRINGS ROAD



INDEX OF DRAWINGS

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SIGNAL LAYOUT PLANS	2
SIGNAL LAYOUT TABLES	3
TRAFFIC SIGNAL HEAD DETAILS	4
TRAFFIC SIGNAL POLE FOUNDATIONS	5
CONTROLLER FOUNDATION / GROUND BOX INSTALLATION	6
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LOCATION MAP



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Alan P. McNeil



PARSONS
TRANSPORTATION GROUP

5485 BELT LINE RD. #199 DALLAS, TEXAS 75240 (972) 991-1900

BUILT AS PER
SPECIFICATIONS AND PLANS
BY DURABLE SPECIALTIES INC.

PROJECT COORDINATOR

[Signature]

TRAFFIC SIGNALS ADDISON/KSR AS-BUILTS 3-13-00

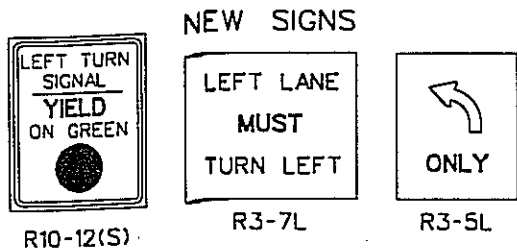
51-14

SIGNAL INSTALLATION NOTES:

1. PAVEMENT CONFIGURATION SHOWN FOR W.B. KELLER SPRINGS IS BEING CONSTRUCTED UNDER A SEPARATE PAVING CONTRACT.
2. EXISTING CONDUIT RUN #1 TO BE REUSED FOR PULLING NEW CABLE.
3. EXISTING POLES T3(E) AND T5(E) AND THE EXISTING CONTROLLER TO BE REMOVED.
4. EXISTING POLE T2(E) TO BE REPLACED BY NEW POLE T2.
5. EXISTING STREET NAME SIGNS TO BE RELOCATED TO NEW SIGNAL POLES.

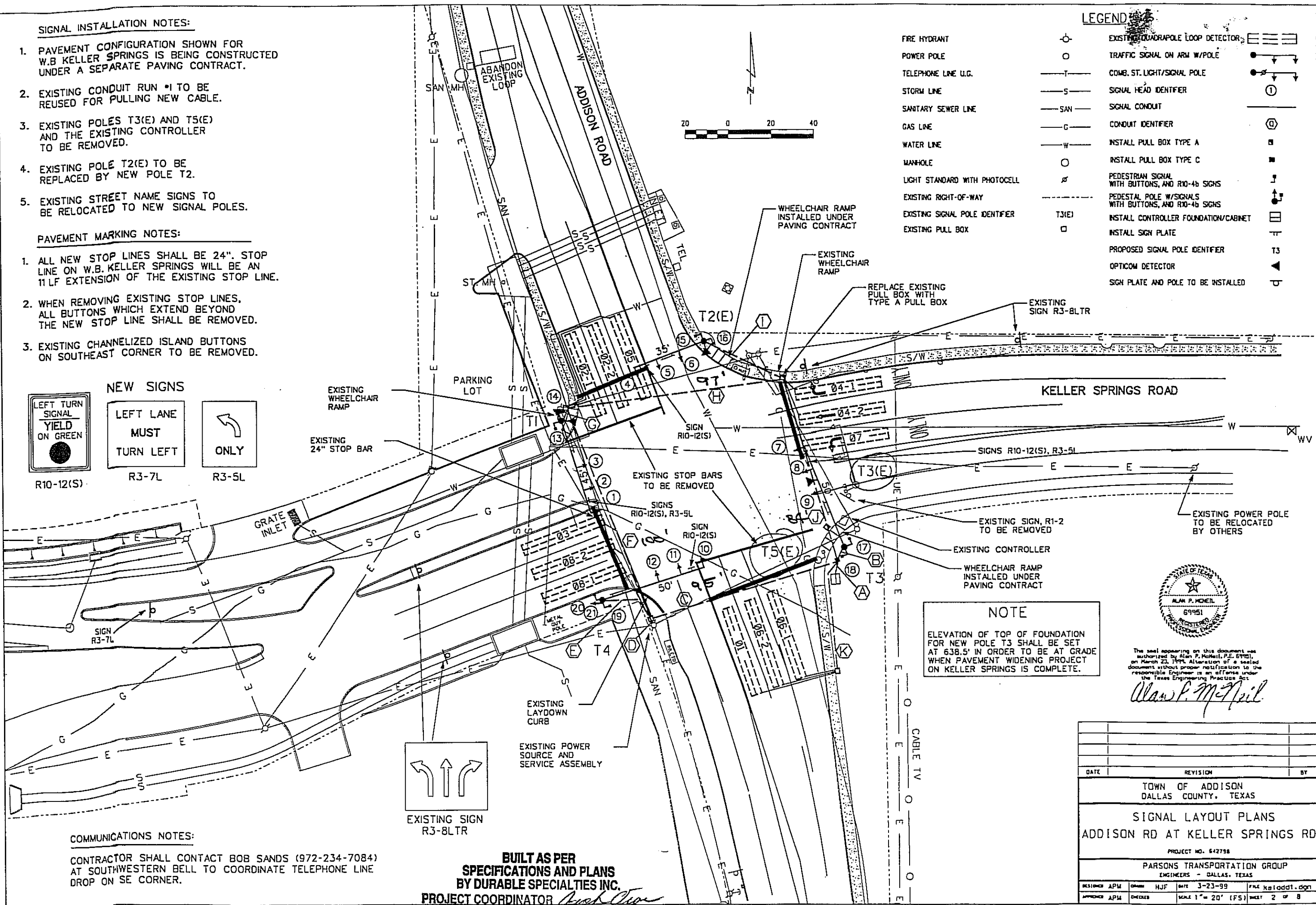
PAVEMENT MARKING NOTES:

1. ALL NEW STOP LINES SHALL BE 24". STOP LINE ON W.B. KELLER SPRINGS WILL BE AN 11' LF EXTENSION OF THE EXISTING STOP LINE.
2. WHEN REMOVING EXISTING STOP LINES, ALL BUTTONS WHICH EXTEND BEYOND THE NEW STOP LINE SHALL BE REMOVED.
3. EXISTING CHANNELIZED ISLAND BUTTONS ON SOUTHEAST CORNER TO BE REMOVED.



LEGEND

FIRE HYDRANT	⊕	EXISTING QUADRAPOLE LOOP DETECTOR	⊞
POWER POLE	○	TRAFFIC SIGNAL ON ARM W/POLE	⊞
TELEPHONE LINE U.G.	—T—	COMB. ST. LIGHT/SIGNAL POLE	⊞
STORM LINE	—S—	SIGNAL HEAD IDENTIFIER	①
SANITARY SEWER LINE	—SAN—	SIGNAL CONDUIT	—
GAS LINE	—G—	CONDUIT IDENTIFIER	⊞
WATER LINE	—W—	INSTALL PULL BOX TYPE A	□
MANHOLE	○	INSTALL PULL BOX TYPE C	■
LIGHT STANDARD WITH PHOTOCELL	⊞	PEDESTRIAN SIGNAL WITH BUTTONS, AND R10-4b SIGNS	⊞
EXISTING RIGHT-OF-WAY	---	PEDESTAL POLE W/SIGNALS WITH BUTTONS, AND R10-4b SIGNS	⊞
EXISTING SIGNAL POLE IDENTIFIER	T3(E)	INSTALL CONTROLLER FOUNDATION/CABINET	⊞
EXISTING PULL BOX	□	INSTALL SIGN PLATE	⊞
		PROPOSED SIGNAL POLE IDENTIFIER	T3
		OPTICOM DETECTOR	⊞
		SIGN PLATE AND POLE TO BE INSTALLED	⊞



NOTE
 ELEVATION OF TOP OF FOUNDATION FOR NEW POLE T3 SHALL BE SET AT 638.5' IN ORDER TO BE AT GRADE WHEN PAVEMENT WIDENING PROJECT ON KELLER SPRINGS IS COMPLETE.



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Alan P. McNeil

COMMUNICATIONS NOTES:

CONTRACTOR SHALL CONTACT BOB SANDS (972-234-7084) AT SOUTHWESTERN BELL TO COORDINATE TELEPHONE LINE DROP ON SE CORNER.

BUILT AS PER SPECIFICATIONS AND PLANS BY DURABLE SPECIALTIES INC.
 PROJECT COORDINATOR *[Signature]*

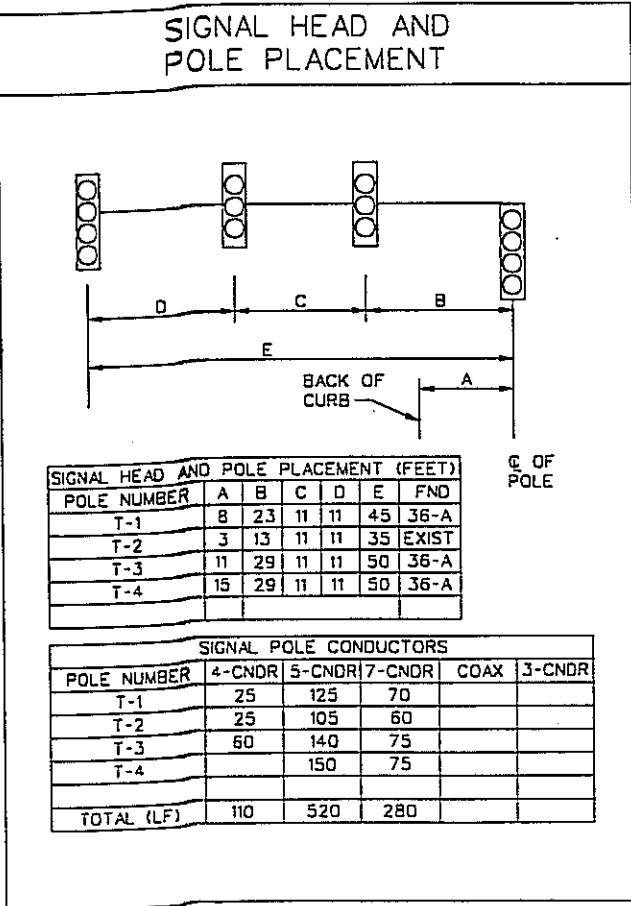
DATE	REVISION	BY
TOWN OF ADDISON DALLAS COUNTY, TEXAS		
SIGNAL LAYOUT PLANS ADDISON RD AT KELLER SPRINGS RD		
PROJECT NO. 642798		
PARSONS TRANSPORTATION GROUP ENGINEERS - DALLAS, TEXAS		
DESIGNED APM	DRAWN HJF	DATE 3-23-99
APPROVED APM	CHECKED	SCALE 1" = 20' (FS)
		FILE kb1add1.dgn
		SHEET 2 OF 8

CONDUIT RUNS

RUN NO.	QUANTITY	SIZE	TYPE	METHOD	*6 XHHW	*6 BARE	COAX CABLE	4 CNDR OPTICOM	3 CNDR (VIDEO)	DET. CABLE	19 CNDR	CONDUIT LENGTH	CABLE LENGTH	RUN NO.
A	3	3"	PVC	Trench	2	1		3		12	4	10	15	A
B	1	3"	PVC	Trench		1		1			1	10	15	B
C	1	4"	PVC	Bored	2	1				3	1	95	105	C
D	1	1"	RM	Exist.	2	1						10	15	D
E	1	3"	PVC	Trench		1					1	35	40	E
F	1	4"	PVC	Bored								110	120	F
G	1	3"	PVC	Trench		1		1			1	10	15	G
H	1	4"	PVC	Bored		1		1		3	1	105	115	H
I	1	3"	PVC	Exist.		1		1			1	45	50	I
J	1	4"	PVC	Bored		1		2		6	2	90	100	J
K	1	2"	PVC	Trench						3		60	65	K
TOTAL (LF)														
					270	470		440		1635	600			

CABLE TERMINATION CHART

CABLE CONDUCTOR	T-1 (19 CNDR)		T-2 (19 CNDR)		T-3 (19 CNDR)		T-4 (19 CNDR)	
	S.H. NO.	INDICATION	S.H. NO.	INDICATION	S.H. NO.	INDICATION	S.H. NO.	INDICATION
BLACK	1	← Y	4	← Y	7	← Y	10	← Y
WHITE		COMMON		COMMON		COMMON		COMMON
RED	1-3	R	4-6	R	7-9	R	10-12	R
GREEN	1-3	G	4-6	G	7-9	G	10-12	G
ORANGE	1-3	Y	4-6	Y	7-9	Y	10-12	Y
BLUE	1	← G	4	← G	7	← G	10	← G
WHT/BLK	SPARE		SPARE		SPARE		SPARE	
RED/BLK	13	DW	15	DW	17	DW	19	DW
GRN/BLK	13	W	15	W	17	W	19	W
ORN/BLK	SPARE		SPARE		SPARE		SPARE	
BLU/BLK	SPARE		SPARE		SPARE		SPARE	
BLK/WHT	PB 13	Q2	PB 15	Q4	PB 17	Q6	PB 19	Q8
RED/WHT	14	DW	16	DW	18	DW	20	DW
GRN/WHT		PB COM		PB COM		PB COM		PB COM
BLU/WHT	14	W	16	W	18	W	20	W
BLK/RED	SPARE		SPARE		SPARE		21	R
WHT/RED	PB 14	Q4	PB 16	Q6	PB 18	Q8	PB 20	Q2
ORN/RED	SPARE		SPARE		SPARE		21	Y
BLU/RED	SPARE		SPARE		SPARE		21	G



SIGNAL HEADS

NO	TYPE	PHASE	BACKPLATE		SIGNAL HEAD		PED SIG SEC
			3 SEC	4 SEC	3 SEC	4 SEC	
1	V4LT*	Q4+7		1		1	
2	V3	Q4	1		1		
3	V3	Q4	1		1		
4	V4LT*	Q1+6		1		1	
5	V3	Q5	1		1		
6	V3	Q5	1		1		
7	V4LT*	Q3+8		1		1	
8	V3	Q8	1		1		
9	V3	Q8	1		1		
21	V3	Q8	1		1		
10	V4LT*	Q2+5		1		1	
11	V3	Q2	1		1		
12	V3	Q2	1		1		
13,20	PED	Q2					2
14,15	PED	Q4					2
16,17	PED	Q5					2
18,19	PED	Q8					2
TOTALS			9	4	9	4	8

* -Use green/yellow fiber optic turn arrow.

SIGN SUMMARY

LOCATION	SIGN TYPE	DESCRIPTION	SIZE
T-1 ARM	R10-12(S)	LEFT TURN YIELD	24"x30"
T-2 ARM	R10-12(S)	LEFT TURN YIELD	24"x30"
T-3 ARM	R10-12(S)	LEFT TURN YIELD	24"x30"
T-4 ARM	R10-12(S)	LEFT TURN YIELD	24"x30"
T-1 ARM	R3-5L	LEFT ONLY	30"x36"
T-3 ARM	R3-5L	LEFT ONLY	30"x36"
550' WEST OF INT.	W3-3	SIGNAL AHEAD	36"x36"
220' WEST OF INT.	R3-7L	LEFT LANE MUST TURN LEFT	30"x30"

GROUND BOX SUMMARY

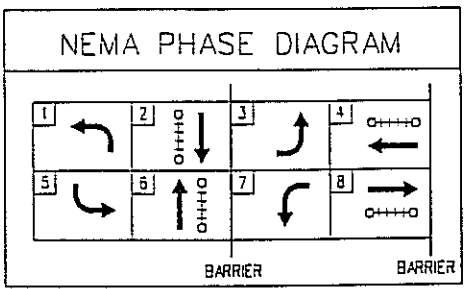
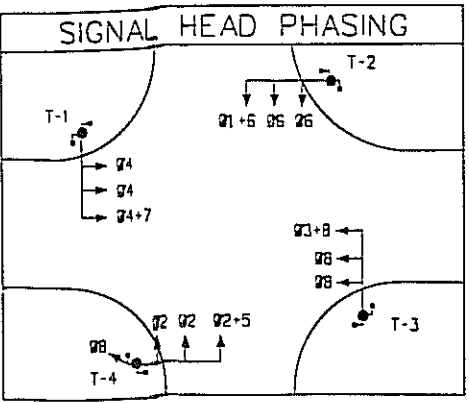
TYPE	EA
A	1
C	1

CONDUIT SUMMARY

SIZE	TYPE	LENGTH (LF)
2"	PVC Trench	60
3"	PVC Trench	65
4"	PVC Bore	400

PAVEMENT MARKINGS SUMMARY

TYPE	QUANTITY	UNIT
24" SOLID WHITE ALKYD THERMOPLASTIC	100	FT
REMOVE 16" STOP LINE	100	FT
REMOVE RAISED BUTTON	90	EA



NOTES: Phases 1, 3, 5, 7 are protected/permissive left turn phases.



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Alan P. McNeil

BUILT AS PER SPECIFICATIONS AND PLANS BY DURABLE SPECIALTIES INC.
PROJECT COORDINATOR *[Signature]*

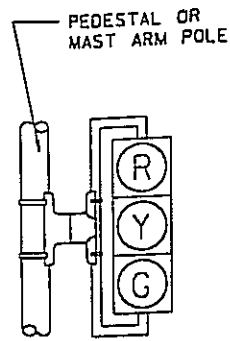
DATE	REVISION	BY

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

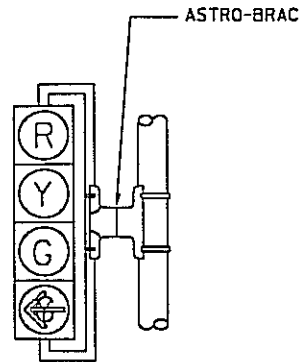
SIGNAL LAYOUT TABLES
ADDISON RD AT KELLER SPRINGS RD
PROJECT NO. 642798

PARSONS TRANSPORTATION GROUP
ENGINEERS - DALLAS, TEXAS

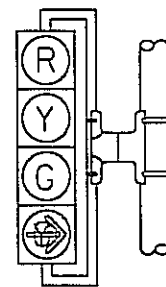
DESIGNED APM	DRAWN HJF	DATE 3-23-99	FILE kella2.dgn
APPROVED APM	CHECKED	SCALE	SHEET 3 OF 8



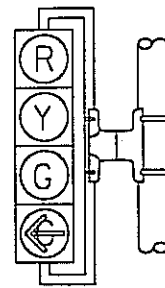
V3



V4LT(F)

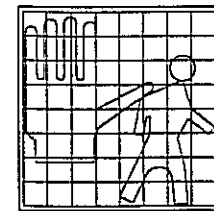


V4RT(F)

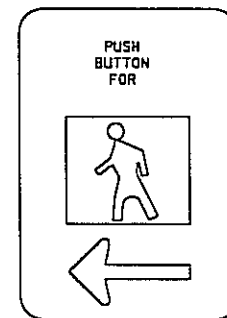


V4LT

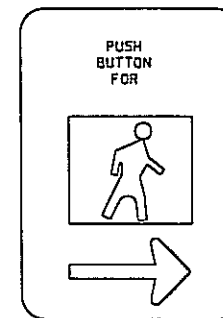
FIBEROPTIC ARROWS



PEDESTRIAN SIGNAL HEAD

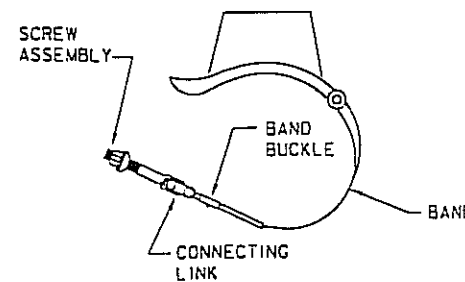


SIGN R10-4bL
9' x 12'



SIGN R10-4bR
9' x 12'

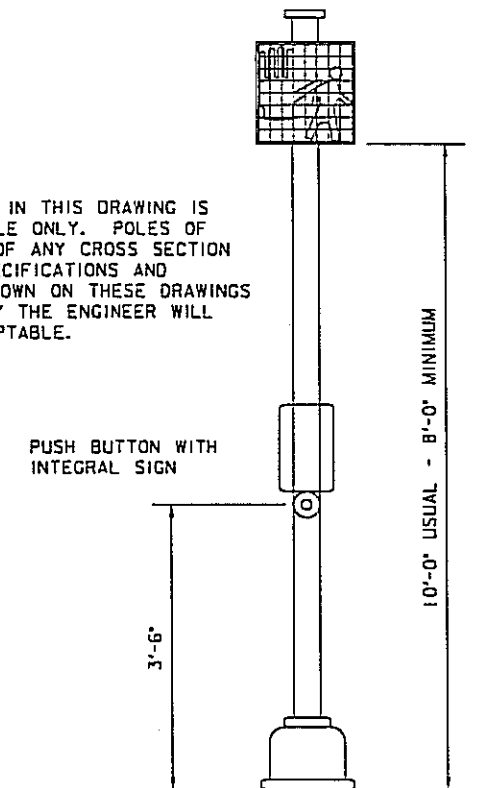
PEDESTRIAN PUSH BUTTON SIGN DETAILS



ASTRO BRAC

NOTE :

THE POLE SHOWN IN THIS DRAWING IS SHOWN AS EXAMPLE ONLY. POLES OF SIMILAR DESIGN OF ANY CROSS SECTION AND MEETING SPECIFICATIONS AND REQUIREMENTS SHOWN ON THESE DRAWINGS AND APPROVED BY THE ENGINEER WILL BE DEEMED ACCEPTABLE.



POST DETAIL

NOTES :

1. ALL SIGNAL HEAD LENSES SHALL BE 12" IN DIAMETER.
2. VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH 'ASTRO BRACS' AND APPROPRIATE TUBING, PAINTED BLACK. ALL SIGNALS TO BE BLACK, ALL LENSES TO BE POLYCARBONATE.
3. ALL VISORS SHALL BE TUNNEL VISORS.
4. ALL POLE MOUNTED VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL BE INSTALLED ON THE AWAY-FROM-TRAFFIC SIDE OF THE PEDESTAL OR MAST ARM POLE.
5. ALL SIGNAL HEADS WILL BE PROVIDED WITH BLACK 5' POLYCARBONATE VACUUM FORMED BACKPLATES.
6. ALL WIRING FOR VEHICLE AND PEDESTRIAN SIGNALS SHALL BE TOTALLY ENCLOSED WITHIN THE SIGNAL MOUNTING HARDWARE.
7. ALL MAST ARM AND POLE MOUNTED SIGNS SHALL BE MOUNTED WITH ASTRO SIGN-BRAC OR SIGNFIX ALUMINUM CHANNEL.
8. ALL PEDESTRIAN SIGNAL HEADS AND PUSH BUTTON SIGNS SHALL DISPLAY THE SYMBOLIZED MESSAGES SHOWN ON THIS SHEET (A.D.A. APPROVED).
9. SYMBOLIZED MESSAGE HEIGHT SHALL BE 10 INCHES MINIMUM.
10. PROVIDE DURO TEST 135 WATT SAVER LAMPS IN VEHICLE SIGNALS.
11. PROVIDE DURO TEST 60 WATT SAVER LAMPS IN PEDESTRIAN SIGNALS.

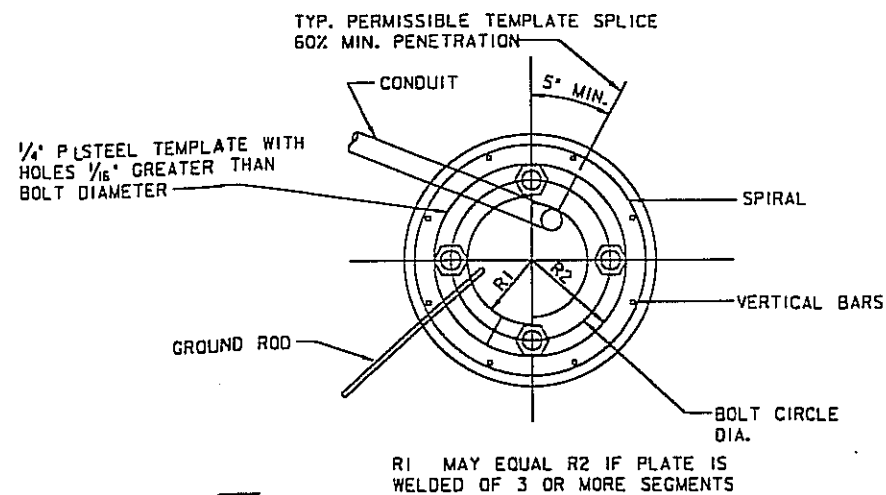
BUILT AS PER SPECIFICATIONS AND PLANS BY DURABLE SPECIALTIES INC.
PROJECT COORDINATOR *[Signature]*



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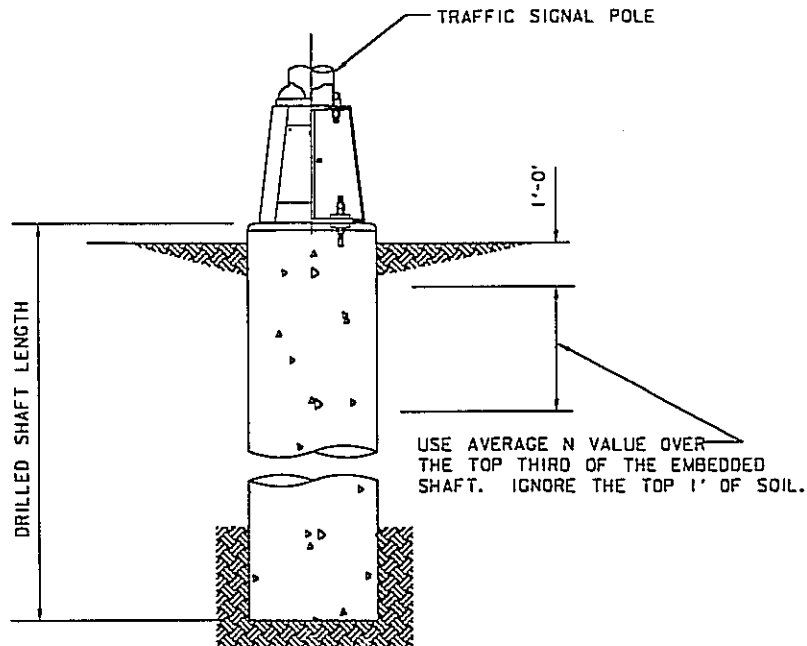
Alan P. McNeil

DATE	REVISION	BY
TOWN OF ADDISON DALLAS COUNTY, TEXAS		
TRAFFIC SIGNAL HEAD DETAILS		
PROJECT NO. 642017		
PARSONS TRANSPORTATION GROUP DALLAS, TEXAS		
DESIGNED	DRAWN	CHECKED
APM	APM	APM
SCALE	DATE	FILE
		slgdat66.dwg
		SHEET 4 - 8

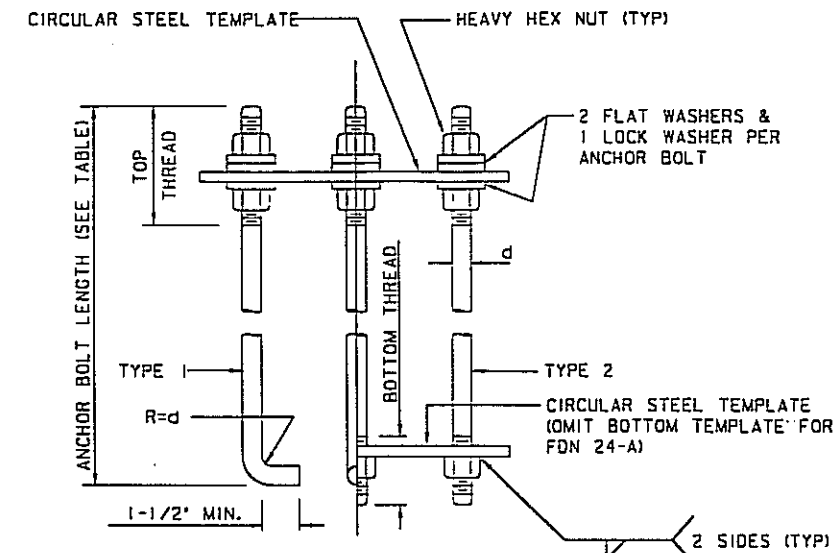


R1 MAY EQUAL R2 IF PLATE IS WELDED OF 3 OR MORE SEGMENTS

TOP VIEW



USE AVERAGE N VALUE OVER THE TOP THIRD OF THE EMBEDDED SHAFT. IGNORE THE TOP 1' OF SOIL.



HOOKED ANCHOR (TYPE 1) NUT ANCHOR (TYPE 2)

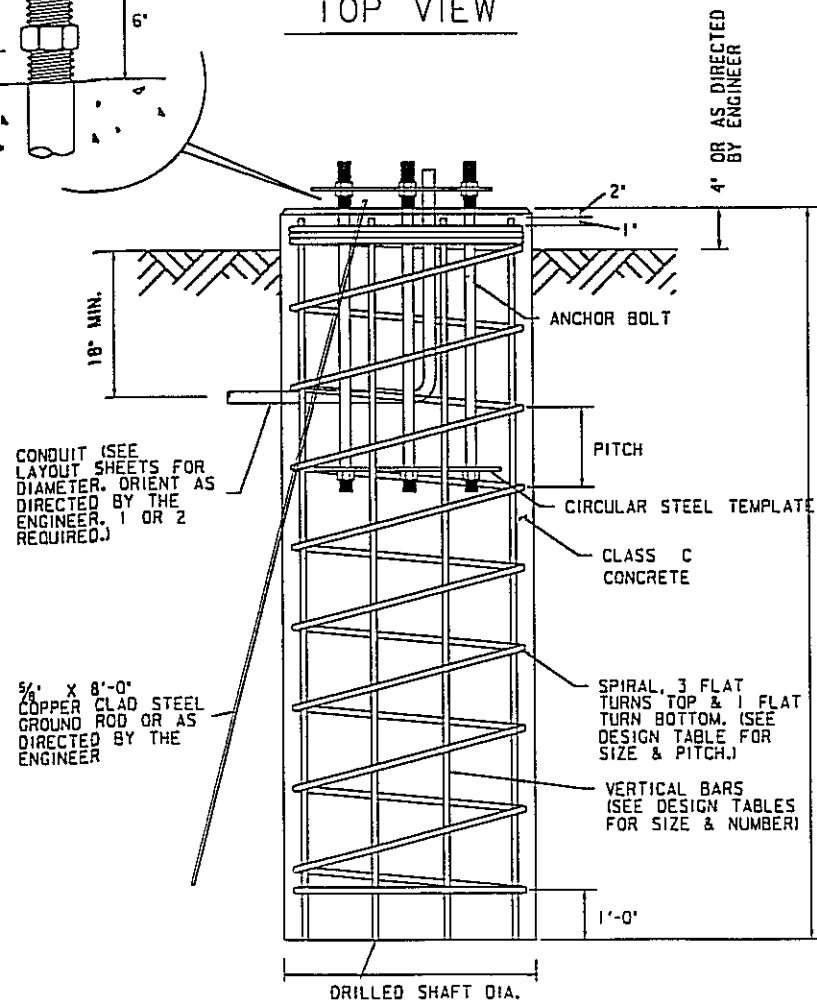
ANCHOR BOLT ASSEMBLY

ANCHOR BOLT & TEMPLATE SIZES						
BOLT DIAMETER	BOLT LENGTH	TOP THREAD	BOTTOM THREAD	BOLT CIRCLE	R2	R1
3/4"	1'-6"	3"	-	12-3/4"	7-1/8"	5-5/8"
1-1/2"	3'-4"	6"	2"	17"	10"	7"
1-3/4"	3'-10"	7"	2-1/4"	19"	11-1/4"	7-3/4"
2"	4'-3"	8"	2-1/2"	21"	12-1/2"	8-1/2"

• MINIMUM DIMENSIONS GIVEN, LONGER BOLTS ARE ACCEPTABLE

INSTALLATION PROCEDURE :

THREADS OF ANCHOR BOLTS SHALL BE COATED WITH PIPE JOINT COMPOUND PRIOR TO INSTALLATION OF UPPER NUTS WHEN ERECTING POLE. AFTER POLE IS PLUMBED AND IN PERMANENT ALIGNMENT, THE EXPOSED THREADS OF PAINTED BOLTS SHALL BE CLEANED AND AN ADDITIONAL COATING OF ZINC-RICH PAINT APPLIED TO SEAL THE BOLT THREAD-NUT JOINT.



ELEVATION

FOUNDATION DETAILS

FDN TYPE	DRILLED SHAFT DIA	REINFORCING STEEL		DRILLED SHAFT LENGTH-ft (3), (4), (5)			ANCHOR BOLT DESIGN (1)				FOUNDATION DESIGN LOAD (2)	
		VERT BARS	SPIRAL & PITCH	TEXAS CONE PENETROMETER N blows/ft			ANCHOR BOLT DIA	F _y (ksi)	BOLT CIR DIA	ANCHOR TYPE	MOMENT K-ft	SHEAR Kips
				10	15	40						
24-A	24"	4-#5	#2 @ 12"	5.7	5.3	4.5	3/4"	36	12 3/4"	1	10	1
30-A	30"	8-#9	#3 @ 6"	11.3	10.3	8.0	1 1/2"	55	17"	2	87	3
36-A	36"	10-#9	#3 @ 6"	13.2	12.0	9.4	1 3/4"	55	19"	2	131	5
36-B	36"	12-#9	#3 @ 6"	15.2	13.6	10.4	2"	55	21"	2	190	7

BUILT AS PER SPECIFICATIONS AND PLANS BY DURABLE SPECIALTIES INC. PROJECT COORDINATOR *[Signature]*

NOTES :

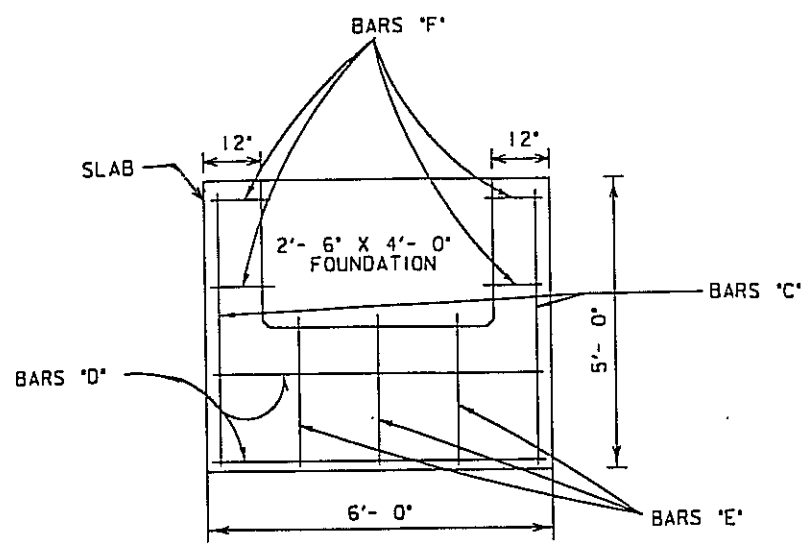
- (1) ANCHOR BOLT DESIGN DEVELOPS THE FOUNDATION CAPACITY GIVEN UNDER FOUNDATION DESIGN LOADS.
- (2) FOUNDATION DESIGN LOADS ARE THE ALLOWABLE MOMENTS AND SHEARS AT THE BASE OF THE STRUCTURE.
- (3) FIELD PENETROMETER READINGS AT A DEPTH OF APPROXIMATELY 3 TO 5 FEET MAY BE USED TO ADJUST SHAFT LENGTHS.
- (4) IF ROCK IS ENCOUNTERED, THE DRILL SHAFT SHALL EXTEND A MINIMUM OF TWO DIAMETERS INTO SOLID ROCK.
- (5) DECIMAL LENGTHS IN DESIGN TABLE ARE TO ALLOW INTERPOLATION FOR OTHER PENETROMETER VALUES.



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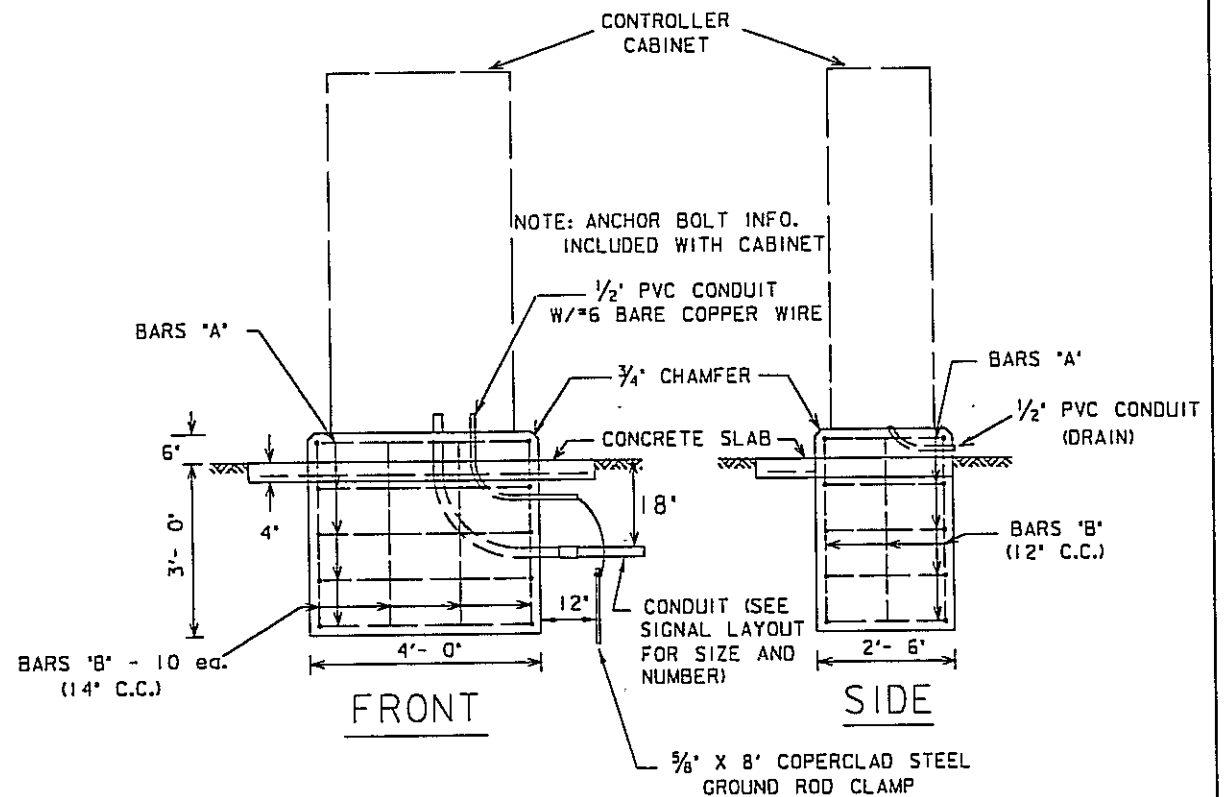
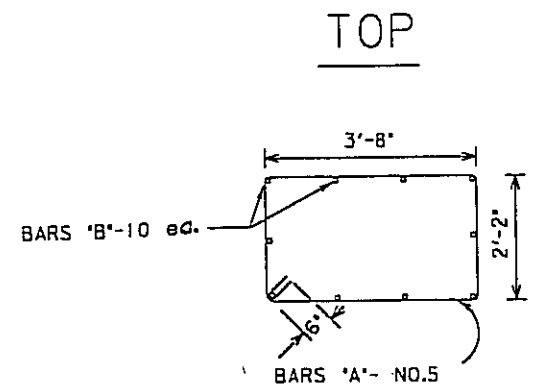
Alan P. McNeil

DATE	REVISION	BY
TOWN OF ADDISON DALLAS COUNTY, TEXAS		
TRAFFIC SIGNAL POLE FOUNDATIONS		
PROJECT NO. 647057		
PARSONS TRANSPORTATION GROUP ENGINEERS - DALLAS, TEXAS		
DESIGNED	CHECKED	SCALE
APM	APM	SCALE
FILE #19dec44.dwg		PAGE 5 OF 8

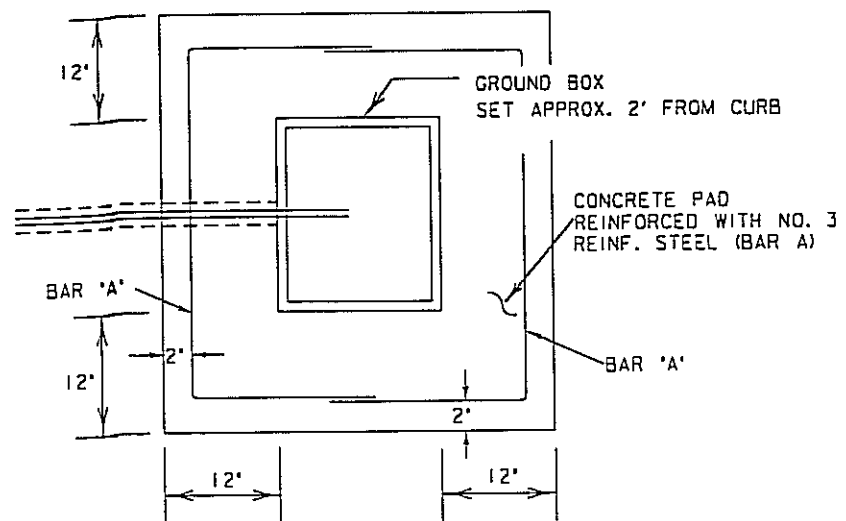


BAR	NO. BARS	SIZE	LENGTH	SPACING
A	6	5	12'-8"	9.5' C.C.
B	10	5	3'-2"	VAR.
C	2	3	4'-8"	16.5' C.C.
D	2	3	5'-8"	18' C.C.
E	3	3	2'-8"	16.5' C.C.
F	4	3	1'-2"	18' C.C.

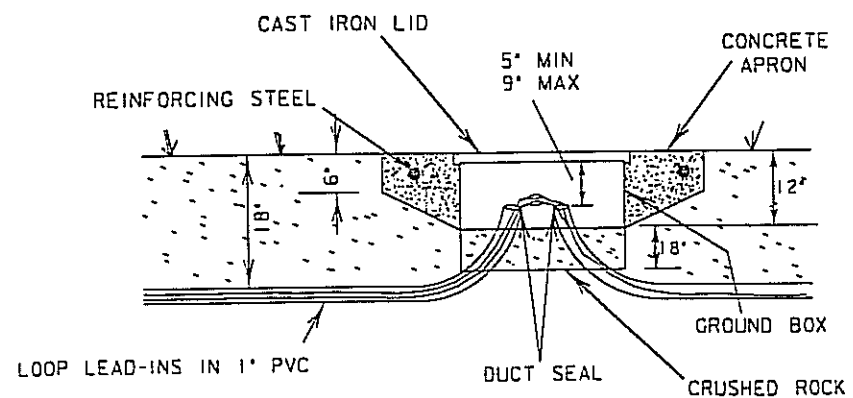
PROVIDE 2' MIN. COVER FOR TOP AND SIDES



CONTROLLER FOUNDATION DETAILS



PLAN



ELEVATION

GROUND BOX INSTALLATION DETAILS

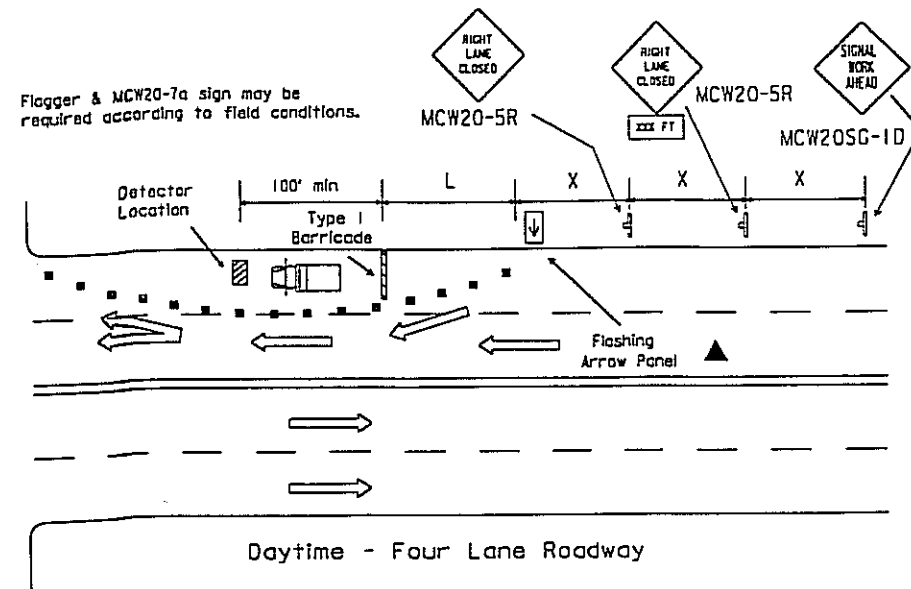
BUILT AS PER SPECIFICATIONS AND PLANS BY DURABLE SPECIALTIES INC.
PROJECT COORDINATOR *John Dur*



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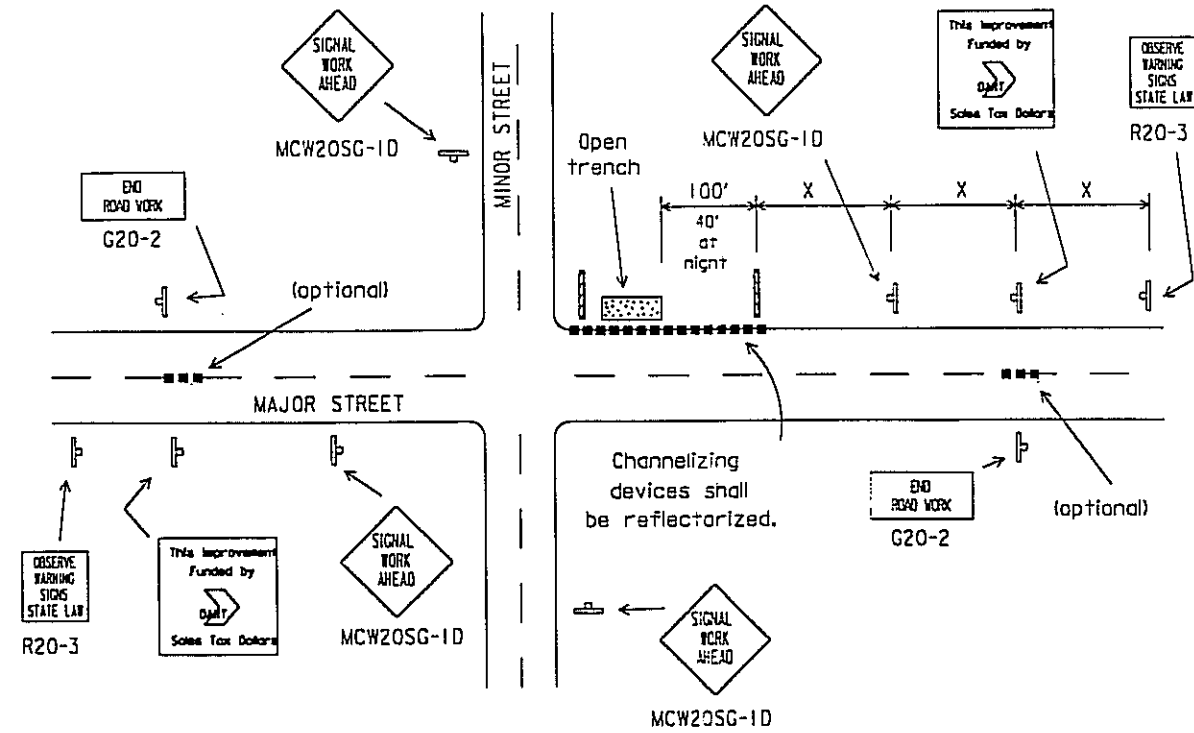
Alan P. McNeil

DATE	REVISION	BY
TOWN OF ADDISON DALLAS COUNTY, TEXAS		
CONTROLLER FOUNDATION AND GROUND BOX INSTALLATION DETAILS		
PROJECT NO. 641057		
PARSONS TRANSPORTATION GROUP ENGINEERS - DALLAS, TEXAS		
DESIGNED	DRAWN	CHECKED
APPROVED	APPH	APPH
FILE: aigdc53.dwg		NO. 6-8

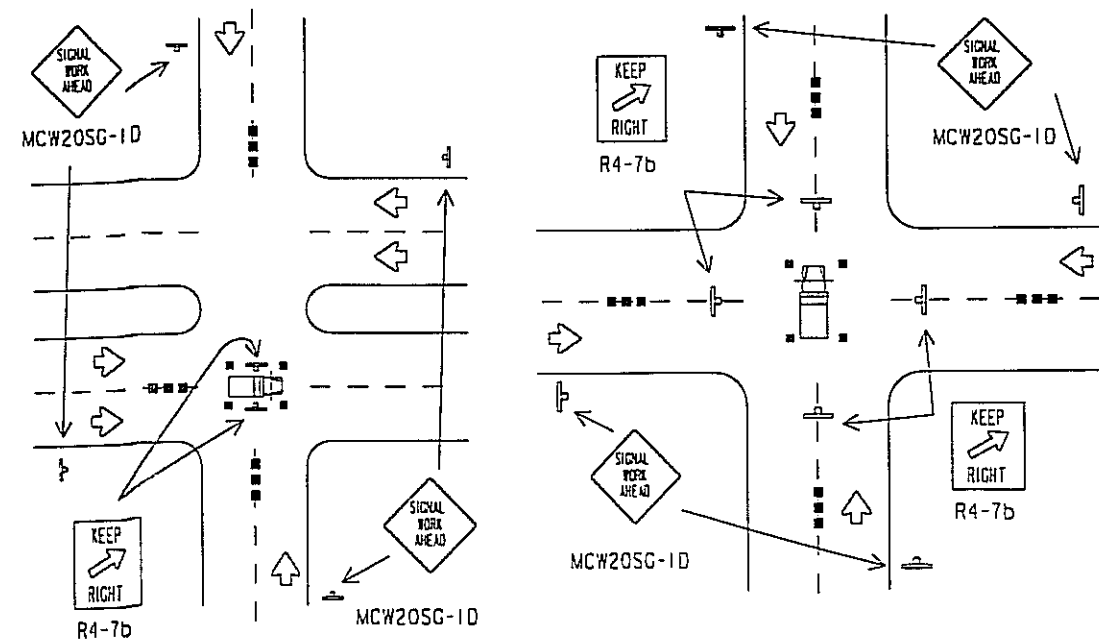


TYPICAL DETECTOR INSTALLATION

Nighttime - 1. Channelizing Devices shall be reflectorized.
2. Barricades shall have Flashing Warning Lights.



TYPICAL ADVANCE SIGNING



TYPICAL HANGING SIGNAL INSTALLATIONS

Advance warning channelizing devices are optional.

Posted Speed	Formula	Minimum Desirable Taper Lengths			Suggested Maximum Spacing of Device		Minimum Sign Spacing X Distance
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent	
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'-75'	120'
35		205'	225'	245'	35'	70'-90'	160'
40	$L = WS$	265'	295'	320'	40'	80'-100'	240'
45		450'	495'	540'	45'	90'-110'	320'

L=Length of Taper (FT.) W=Width of Offset (FT.) S=Posted Speed (MPH)

▲ The arrow panel may be omitted when stated elsewhere in the plans.

Typical channelizing device is the 28" cone. Plastic drums may be used if approved by the Owner. Metal drums shall NOT be used as a channelizing device or sign support.

Advance signs and barricades shall be in place when signal construction operations are in progress. The contractor may remove advance signs and barricades when no construction operations are underway if permitted elsewhere in the plans. Obstructions or hazards at the work area shall be clearly marked and delineated at all times.

All holes, trenches or other hazardous areas shall be adequately protected by barricades, lights or other protective devices. Trenches shall be covered or surrounded with orange plastic construction fence as directed by the Engineer.

Flagger and MCW20-7a sign may be required according to field conditions. Vehicles parked in roadway shall be equipped with two strabes. High level flags at corners of vehicle may also be used. Work operations that require work vehicle in traveled way 20 minutes or less may use cones, high level flags and strabes as advance warning devices. Cones should only be placed around vehicle. Flaggers may be used on high speed rural intersections.

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PROJECT COORDINATOR *[Signature]*

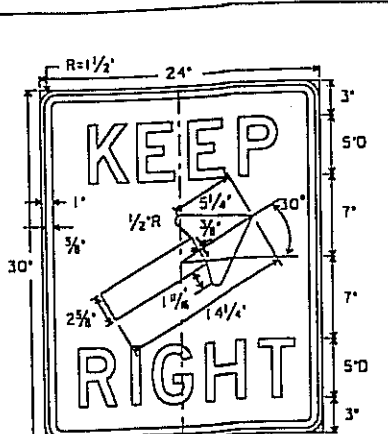
- Legend
- Heavy Work Vehicle
 - Type I Barricade
 - Channelizing Devices
 - Flashing Arrow Panel



The seal appearing on this document was authorized by Alan P. McNeil, P.E., STPEL on July 8, 1996. Alteration of a sealed document without proper notification to the responsible Engineer is an offense under the Texas Engineering Practice Act.

Alan P. McNeil

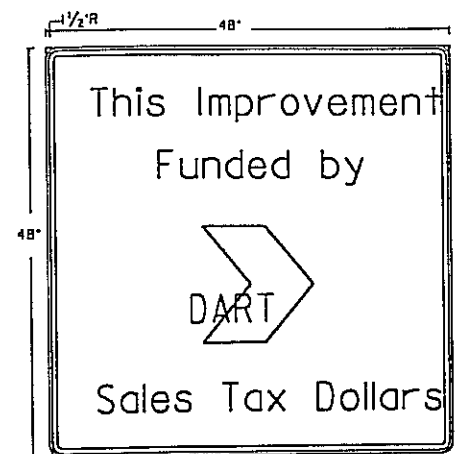
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
TRAFFIC CONTROL PLAN DETAILS			
SHEET 1 OF 2			
PROJECT NO. 44857			
PARSONS TRANSPORTATION GROUP MEMPHIS - MEMPHIS, TN 38103			
DATE	BY	CHKD	APP'D
APR 1996	APR 1996	APR 1996	APR 1996
			7 of 8



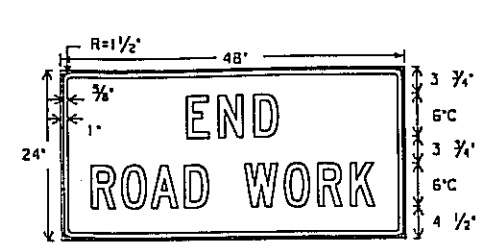
R4-7b
24" X 30"
Letters - Black
Symbol - Black
Border - Black
Background - White Refl.



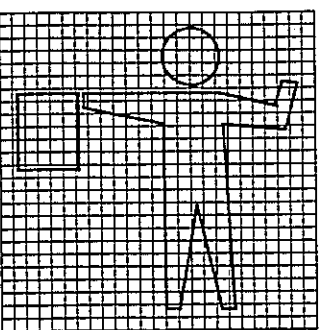
R20-3
48" X 42"
Letters - Black
Border - Black
Background - White Refl.



48" X 48"
Letters - Navy-Blue
DART Symbol - Yellow
Background - White Refl.



G20-2a
48" X 24"
Letters - Black
Border - Black
Background - Orange Refl.



GENERAL

All sign usage and erection shall be in strict accordance with the 'Texas Manual on Uniform Traffic Control Devices for Streets and Highways' (TMUTCD). The Contractor shall maintain each sign as directed by the Owner. The Contractor shall use the sign designs shown in the 'Standard Highway Sign Designs for Texas' (SHSD). All work zone signs provided for in the TMUTCD but not detailed in the plans may be used when directed by the Owner.

WARNING LIGHTS

When required by the Owner the Contractor shall furnish a copy of the warning light certification. The certification will be by the manufacturer, stating the lights meet the requirements of the latest ITE Purchase Specification for Flashing and Steady-Burn Warning Lights.

REFLECTIVE SHEETING

Type A, B or C sheeting may be used for all, day only, applications. Type A sheeting should be used for all, white background, regulatory signs. Type C sheeting should be used for all other applications. The above applications of sheeting grades to different type signs will apply unless otherwise specified in the plans. TYPE A = Engineer Grade TYPE B = Super Engineer Grade TYPE C = High Specific Intensity

SUPPORTS AND MOUNTING HEIGHT

Regardless of the type of support used, or duration of work, regulatory signs should not be erected at heights less than 7 feet above the pavement surface. Wood sign post supports shall be painted white.

Signs may be erected on portable or fixed supports for use on construction projects to warn or guide traffic through and/or around the actual construction area.

PORTABLE - Signs erected on portable supports for use on construction projects normally mean signs which are used during the daytime to warn or guide traffic through and/or around the actual construction area, but at the end of the workday such signs are removed.

Portable supports shall be as shown on this sheet. Signs with portable supports may be used for short term, short duration and mobile operations. The bottom of the sign shall be a minimum of one (1) foot above the pavement surface.

FIXED - Signs erected on fixed supports for use on construction projects normally mean signs that are to remain in place for both daytime and nighttime usage to regulate, warn and guide traffic in advance of and within the limits of the project including the crossroad approaches. Signs erected on fixed supports should be at a minimum height of seven (7) feet.

SIGN SUPPORT WEIGHTS

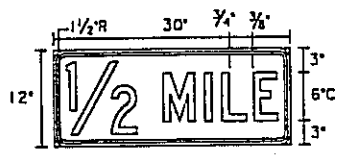
Where sign supports require the use of weights to keep from turning over, the use of some type of sandbag is recommended. The use of pieces of rock, concrete, iron, steel or other solid objects will not be permitted. Sandbags shall only be placed along or upon the base supports of the device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners.

REMOVING OR COVERING

When sign messages may be confusing or no longer apply, the signs and supports shall be removed from roadway and shoulder, or the signs shall be completely covered. Turning signs from motorists view will not be allowed. When signs are covered the material used shall be opaque, such as heavy mil black plastic. Burlap shall not be used to cover signs. Signs shall be removed upon completion of the work. Duct tape or other adhesive material shall not be affixed to sign face.

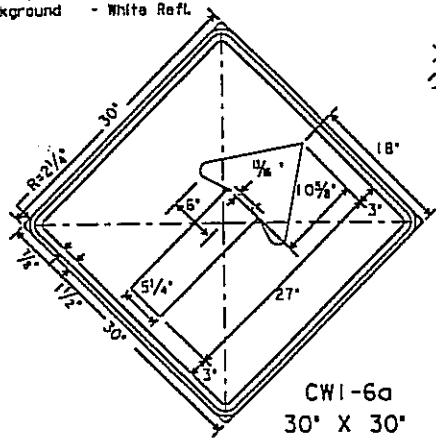


R4-8b

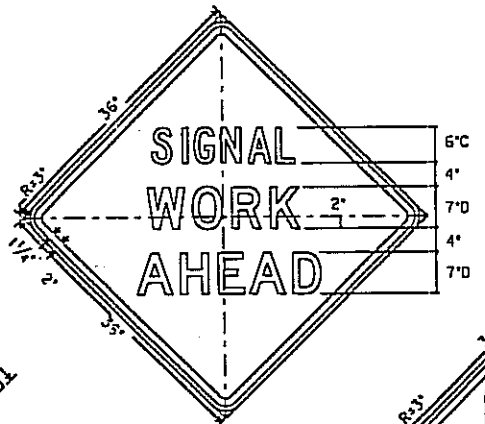


Distance Plaque
30" X 12"

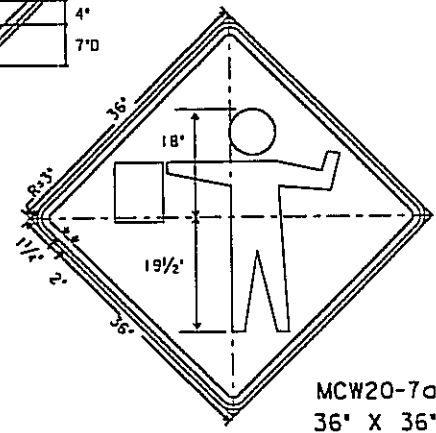
- Alternate legends
- 1 MILE 6"C
 - 1500 FT 6"C
 - 1000 FT 6"C
 - 500 FT 6"C



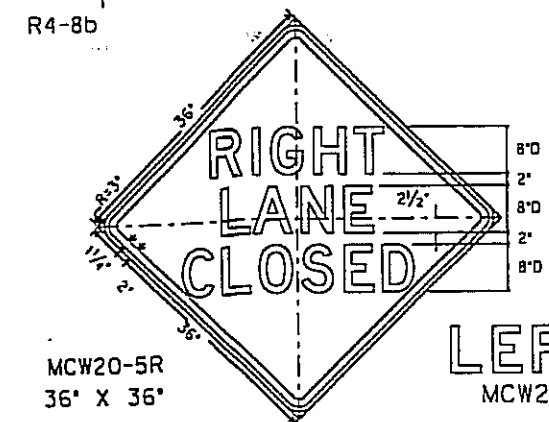
CW1-6a
30" X 30"
Legend - Black
Border - Black
Background - Orange Refl.



MCW20SG-1D
36" X 36"
Letters - Black
Border - Black
Background - Orange Refl.



MCW20-7a
36" X 36"
Legend - Black
Border - Black
Background - Orange Refl.

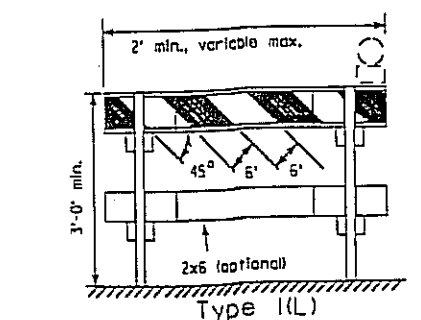
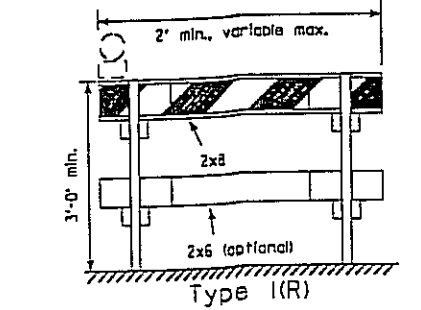


MCW20-5R
36" X 36"
Legend - Black
Border - Black
Background - Orange Refl.

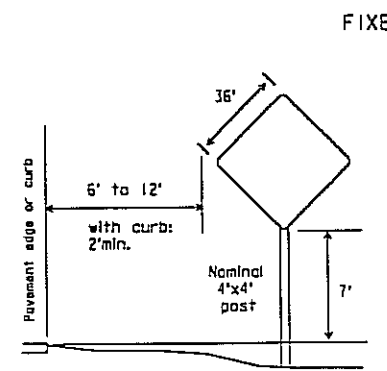
TYPICAL SIGNS USED IN TRAFFIC SIGNAL CONSTRUCTION AREAS

TYPICAL SIGN SUPPORTS

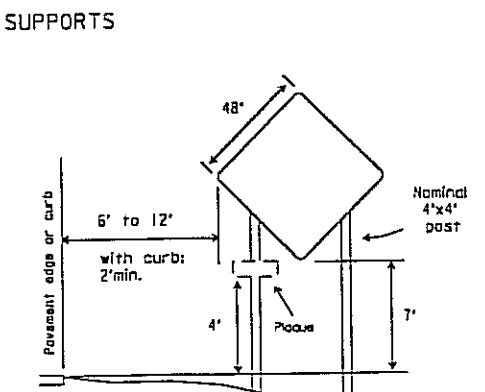
TYPE I BARRICADES



For Type I and II Barricades, both sides of the rolls shall have reflective orange and reflective white striping.



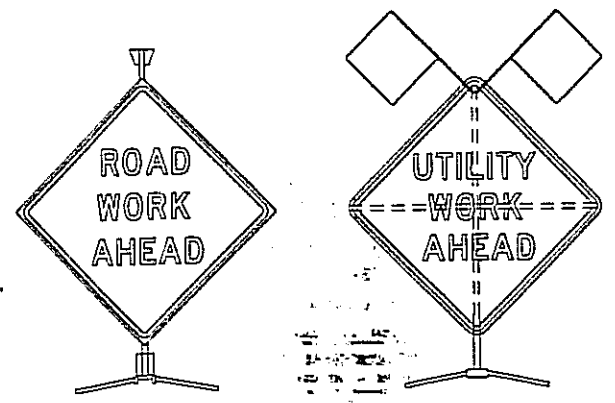
WOOD POST SIGN SUPPORT: for 36" x 36" and smaller warning signs, and other signs having an area not exceeding 10 sq.ft.



WOOD POST SIGN SUPPORT: for 48" x 48" warning sign.

Signs erected on fixed supports shall be at a minimum height of 7 feet. Embedment depth for wood sign supports and post type barricades should be 3 feet minimum, unless specified elsewhere in the plans. Driveable sign supports may be used and shall be installed in accordance with the manufacturer's recommendations.

PORTABLE SUPPORTS



The seal appearing on this document was authorized by Alan P. McNeil, P.E., 69951, on July 8, 1996. Alteration of a sealed document without proper notification to the responsible Engineer is an offense under the Texas Engineering Practice Act.

Alan P. McNeil

BUILT AS PER SPECIFICATIONS AND PLANS BY DURABLE SPECIALTIES INC.
PROJECT COORDINATOR *[Signature]*

DATE	REVISION	BY
TOWN OF ADDISON DALLAS COUNTY, TEXAS		
TRAFFIC CONTROL PLAN DETAILS		
SHEET 2 OF 2		
DESIGNED BY: [Signature]		
PREPARED BY: [Signature]		
DATE	BY	APP
DATE	BY	APP
DATE	BY	APP
DATE	BY	APP