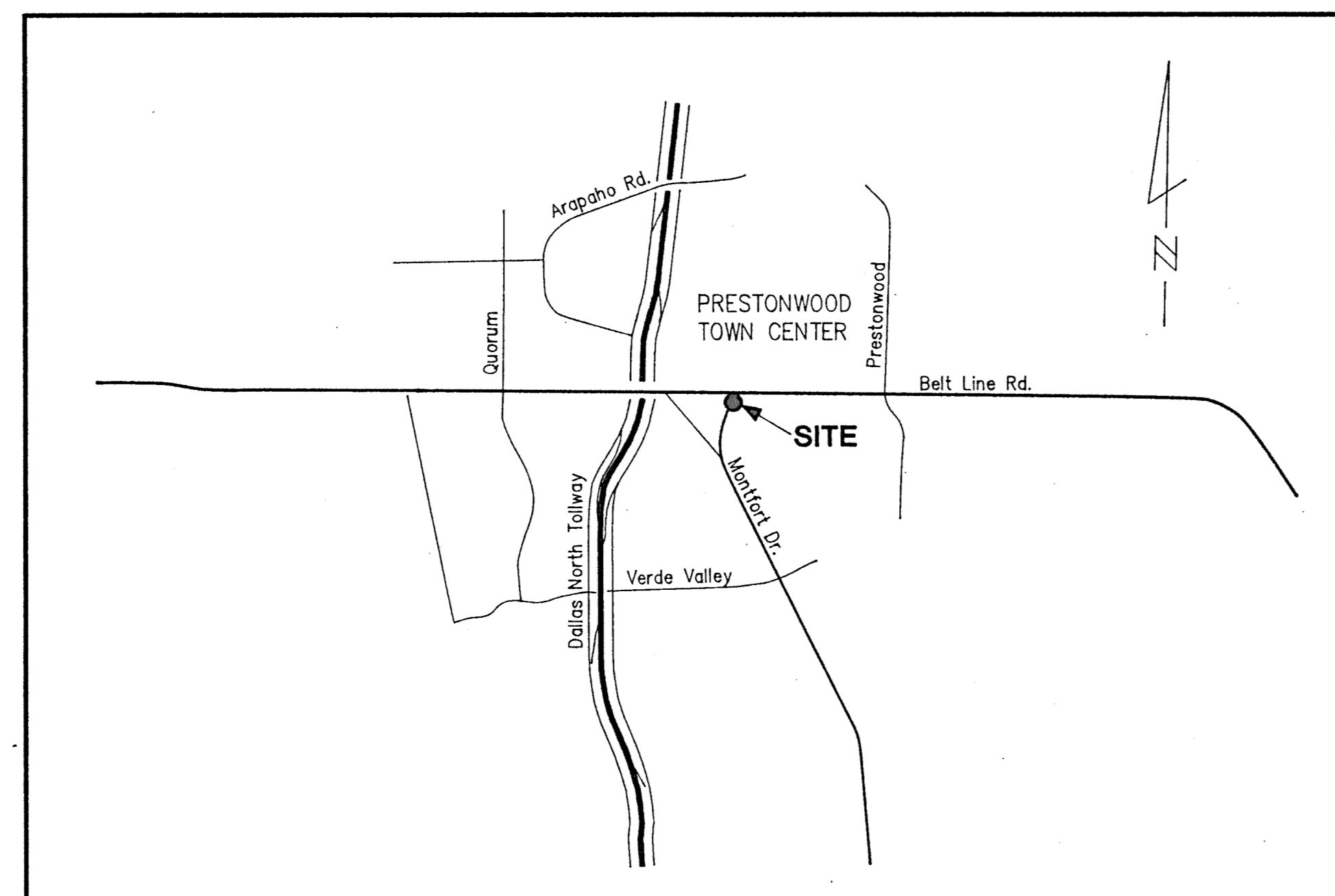


# CONSTRUCTION PLANS FOR MONTFORT DRIVE - RIGHT TURN LANE AT MONTFORT DRIVE AND BELT LINE ROAD

JANUARY 1994



**LOCATION MAP**

### INDEX FOR SHEETS

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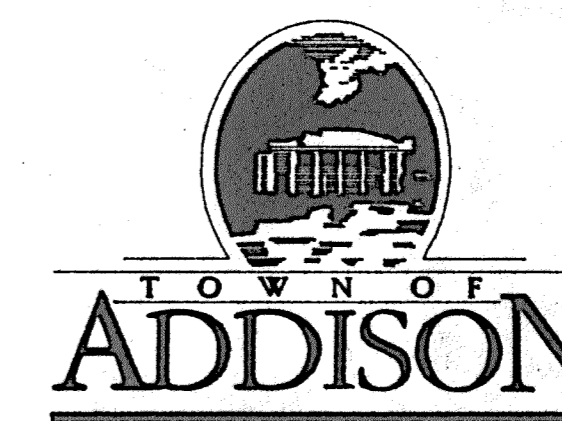
PREPARED BY :



**Barton-Aschman Associates, Inc.**

Barton-Aschman Associates, Inc.  
5485 Belt Line Rd. #199  
Dallas, Texas 75240  
(214) 991-1900

PREPARED FOR :



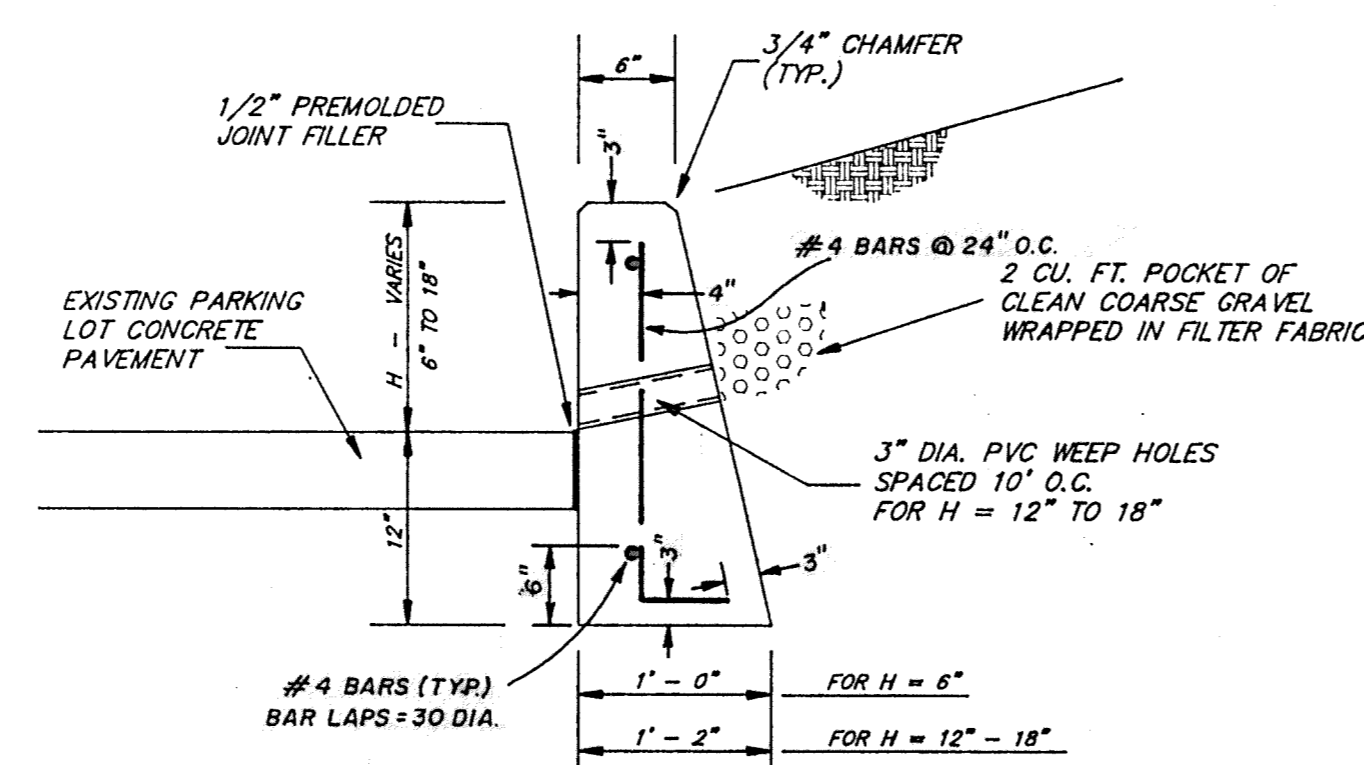
**CONSTRUCTION SET**  
ISSUED BY  
TOWN OF ADDISON  
PUBLIC WORKS DEPARTMENT  
NAME: *Dual Highway* DATE: *1-5-94*

QUANTITY SUMMARY

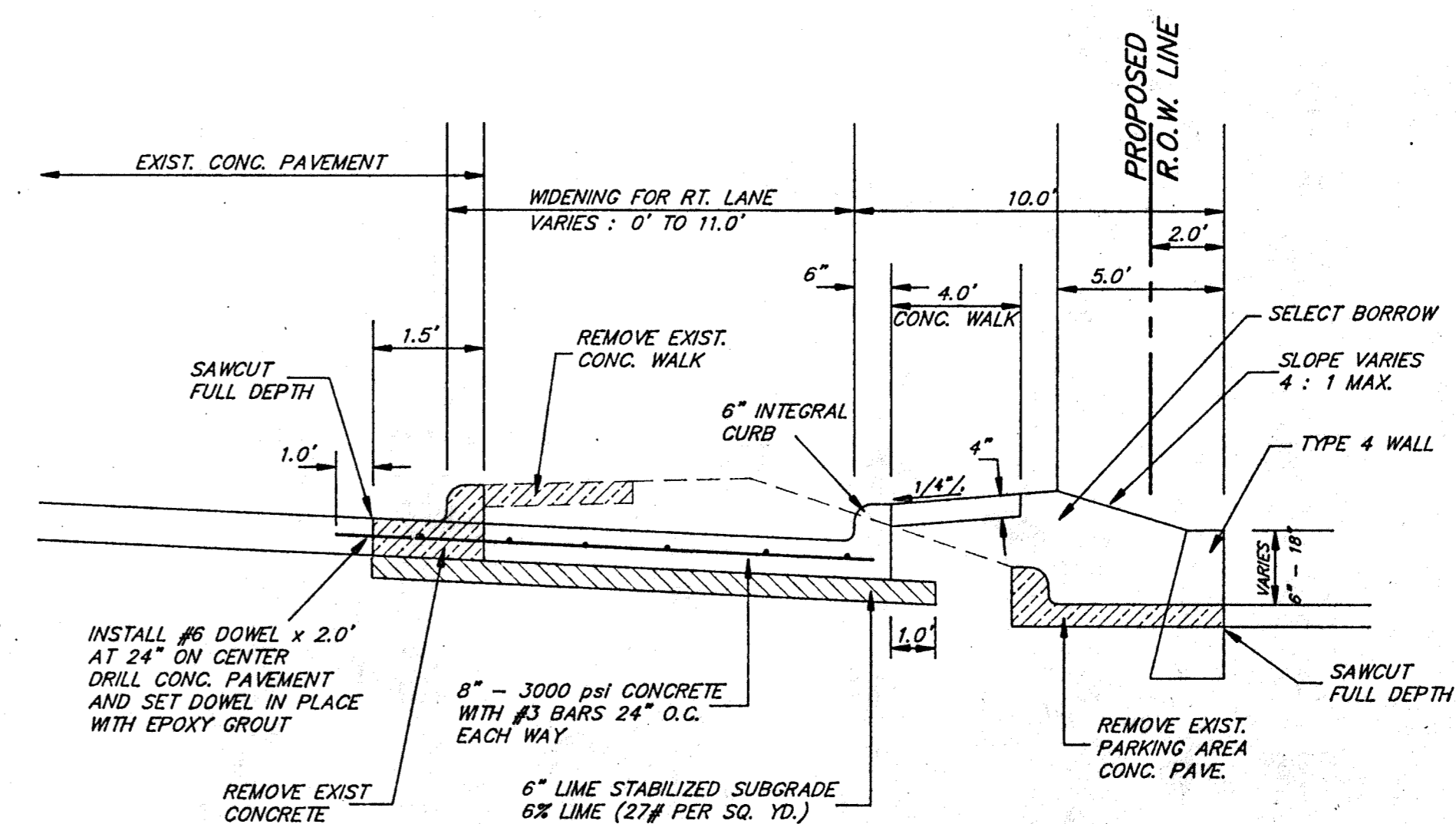
| ITEM NO. | DESCRIPTION                                  | UNIT | QUAN. |
|----------|--|------|-------|
| 1        | MOBILIZATION                                 | LS   | 1     |
| 2        | REMOVE CONC. PAVEMENT, DRIVE, AND APRON      | SY   | 410   |
| 3        | REMOVE CONCRETE SIDEWALK                     | SF   | 1000  |
| 4        | LIME STABILIZATION BASE COURSE               | SY   | 450   |
| 5        | HYDRATED LIME                                | TON  | 6     |
| 6        | UNCLASSIFIED STREET EXCAVATION               | CY   | 80    |
| 7        | 8" - 3000 psi REINFORCED CONCRETE PAVEMENT   | SY   | 400   |
| 8        | 4" - 3000 psi REINFORCED CONCRETE SIDEWALK   | SF   | 1300  |
| 9        | SAWED BREAKOUT (FULL DEPTH)                  | LF   | 800   |
| 10       | 6" - 3000 psi INTEGRAL CURB                  | LF   | 350   |
| 11       | TYPE 4 RETAINING WALL                        | CY   | 18    |
| 12       | CLEARING AND GRUBBING                        | LS   | 1     |
| 13       | BARRICADING, SIGNING AND TRAFFIC MAINTENANCE | LS   | 1     |
| 14       | IRRIGATION REMOVAL AND REINSTALLATION        | LS   | 1     |
| 15       | BARRIER-FREE RAMP                            | EA   | 4     |
| 16       | DECORATIVE WALL MODIFICATION                 | LS   | 1     |
| 17       | PARKING AREA PAVEMENT (3000 psi)             | SY   | 60    |
| 18       | 6" - 3000 psi REINFORCED CONCRETE DRIVEWAY   | SY   | 42    |
| 19       | THIS ITEM LEFT BLANK                         |      |       |
| 20       | TRAFFIC SIGNAL SYSTEM MODIFICATIONS          | LS   | 1     |
| 21       | TRAFFIC PAVEMENT MARKINGS                    | LS   | 1     |
| 22       | 6" x 6" REFLECTIVE JIGGLE BARS               | EA   | 23    |
| 23       | P-7W (4") WHITE NON-REFLECTIVE BUTTONS       | EA   | 74    |
| 24       | DIRECTIONAL SIGNS                            | EA   | 4     |
| 25       | PARKING LOT STRIPING                         | LS   | 1     |
| 26       | SELECT BORROW                                | CY   | 60    |
| 27       | DEMOLITION OF EXISTING LANDSCAPING           | LS   | 1     |
| 28       | DWARF BURFORD HOLLY (5 gal.)                 | EA   | 90    |
| 29       | CLEVELAND SELECT PEAR (4" cal.)              | EA   | 6     |
| 30       | ASIAN JASMINE (4" pots)                      | EA   | 1233  |
| 31       | SEASONAL COLOR (4" pots)                     | EA   | 1577  |
| 32       | EROSION NETTING                              | SF   | 990   |
| 33       | BED PREPARATION                              | SF   | 3300  |
| 34       | TOP DRESS MULCH                              | SF   | 3300  |

GENERAL NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE TOWN OF ADDISON STANDARDS AND SPECIFICATIONS AND THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (N.C.T.C.O.G.) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, EXCEPT AS NOTED. IN THE EVENT OF A CONFLICT, THE TOWN OF ADDISON STANDARDS AND SPECIFICATIONS SHALL GOVERN.
- ALL LOCATIONS OF UNDERGROUND UTILITY LINES ARE APPROXIMATE. CONTRACTOR SHALL NOTIFY ALL APPLICABLE UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION SO THAT UNDERGROUND LINES CAN BE MARKED.  
  
TOWN OF ADDISON  
SOUTHWESTERN BELL  
TU ELECTRIC  
  
LONE STAR GAS CO.  
STORER CABLE
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PUBLIC SAFETY DURING CONSTRUCTION AND WILL PROVIDE THE NECESSARY TRAFFIC BARRICADES AND WARNING SIGNAGE TO PROTECT THE CONSTRUCTION SITE. CONSTRUCTION BARRICADES SHALL BE IN CONFORMANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. IN AREAS WHERE LONG-TERM NIGHTTIME BARRICADES ARE USED, BARRICADES SHOULD INCLUDE HIGH INTENSITY REFLECTIVE SHEETING.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS (MINIMUM 6 SACKS OF CEMENT PER CUBIC YARD) UNLESS NOTED OTHERWISE. ALL REINFORCING STEEL AND DOWEL BARS IN PAVEMENT SHALL BE SUPPORTED AND MAINTAINED AT THE CORRECT CLEARANCES BY THE USE OF BAR CHAIRS OR OTHER APPROVED SUPPORT.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS, PARKING AREAS, SIDEWALKS, ETC. ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS FROM CONSTRUCTION.
- CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR PROTECTION OF PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, VALVE BOXES, FIRE HYDRANTS, ETC. MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND/OR AFTER PLACING OF PERMANENT PAVING. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SUPPORT OF EXISTING POLES, STREET SIGNS, ETC. WHEN EXCAVATING IN THE VICINITY OF SUCH POLES.
- THE TOWN OF ADDISON PUBLIC WORKS DEPARTMENT IS TO BE NOTIFIED 48 HOURS (2 WORKING DAYS) PRIOR TO ANY CONSTRUCTION OF PAVING AND UTILITIES IN RIGHTS-OF-WAY, EASEMENTS OR ALLEYS.
- ALL DISTURBED EARTH AREAS ARE TO BE FINISH GRADED TO ORIGINAL OR PROPOSED CONTOURS, FERTILIZED AND BLOCK SODDED WITH BERMUDA SOD ACCORDING TO NCTCOG SPECIFICATIONS IMMEDIATELY AFTER CONSTRUCTION. BACKFILL BEHIND NEW CURB IS TO BE SELECT MATERIAL FREE OF ROCK AND OTHER DEBRIS. CONTRACTOR SHALL THOROUGHLY WATER THE SOD IMMEDIATELY AFTER PLACEMENT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CONTINUED MAINTENANCE AND WATERING OF THE NEWLY PLANTED SOD UNTIL THE ENTIRE PROJECT IS COMPLETED AND ACCEPTED BY THE TOWN OF ADDISON. WATERING OF THE BERMUDA SOD SHALL BE DONE IN A MANNER AND QUANTITY AS DIRECTED BY TOWN OF ADDISON INSPECTION PERSONNEL (NO SEPARATE PAY ITEM).
- FILL SHALL BE PLACED IN LIFTS NOT TO EXCEED EIGHT (8) INCHES AND SHALL BE COMPACTED TO A UNIFORM DENSITY OF NOT LESS THAN 95% OF THE MAXIMUM DENSITY AS DETERMINED BY TxDOT TEST METHOD TEX-113.
- ARRANGEMENTS FOR CONSTRUCTION WATER SHALL BE MADE THROUGH THE TOWN OF ADDISON.
- CONTRACTOR SHALL MAINTAIN SANITARY FACILITIES FOR USE BY WORKERS THROUGHOUT CONSTRUCTION.
- THE CONTRACTOR IS REQUIRED TO RELOCATE ALL TRAFFIC SIGNAL ITEMS AS SHOWN ON THE PLANS INCLUDING, BUT NOT LIMITED TO, SIGNAL POLES, FOUNDATIONS, CONTROL BOXES, AND ALL OTHER APPURTENANCES. THE CONTRACTOR'S BID PRICE FOR THIS WORK SHALL ALSO INCLUDE SUCH ITEMS AS NEW CONDUITS, ALL WIRING AND SPlicing NECESSARY FOR SIGNAL WORK, NEW TRAFFIC DETECTOR LOOPS (IN PAVEMENT) AND ALL WIRING AND SPlicing NECESSARY FOR DETECTOR SYSTEM. NEW LOCATIONS OF CONTROL BOXES, SIGNALS, ETC. SHALL BE AS DIRECTED BY THE TOWN OF ADDISON.
- THE CONTRACTOR SHALL RETAIN A LICENSED IRRIGATOR TO REMOVE, RELOCATE OR REPLACE ALL LANDSCAPING AND SPRINKLER SYSTEMS AFFECTED BY CONSTRUCTION. FIELD VERIFICATION OF EXISTING LANDSCAPING AND LOCATION AND TYPE OF EXISTING IRRIGATION SYSTEMS IS REQUIRED PRIOR TO BIDDING. THIS WORK SHALL BE DIRECTED BY THE TOWN OF ADDISON.
- ALL EXISTING FOUNDATIONS SHALL BE REMOVED BELOW THE LEVEL OF PAVEMENT SUBGRADE.
- THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT FROM THE TOWN OF ADDISON.

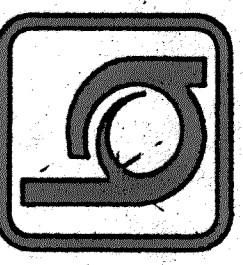


TYPE 4 RETAINING WALL



TYPICAL WIDENING SECTION

BARTON - ASCHMAN  
ASSOCIATES, INC.

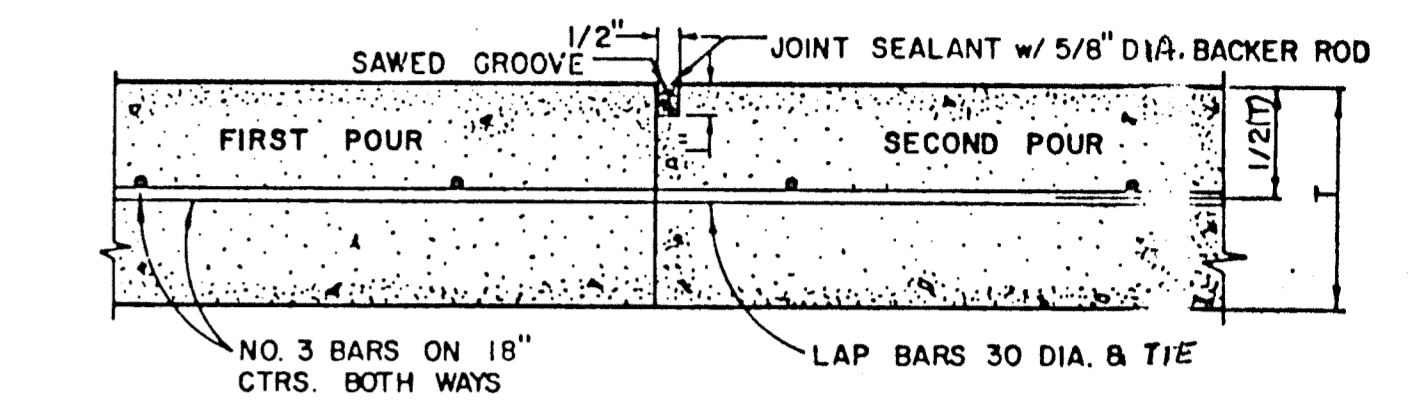
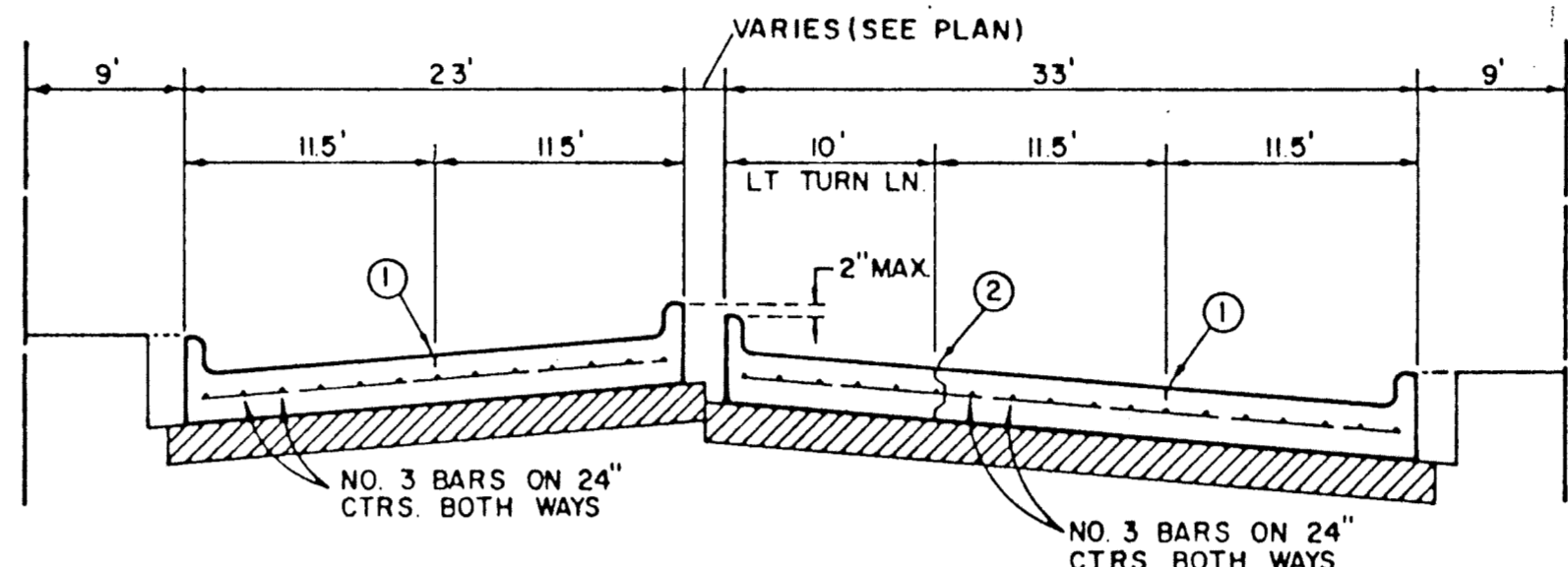
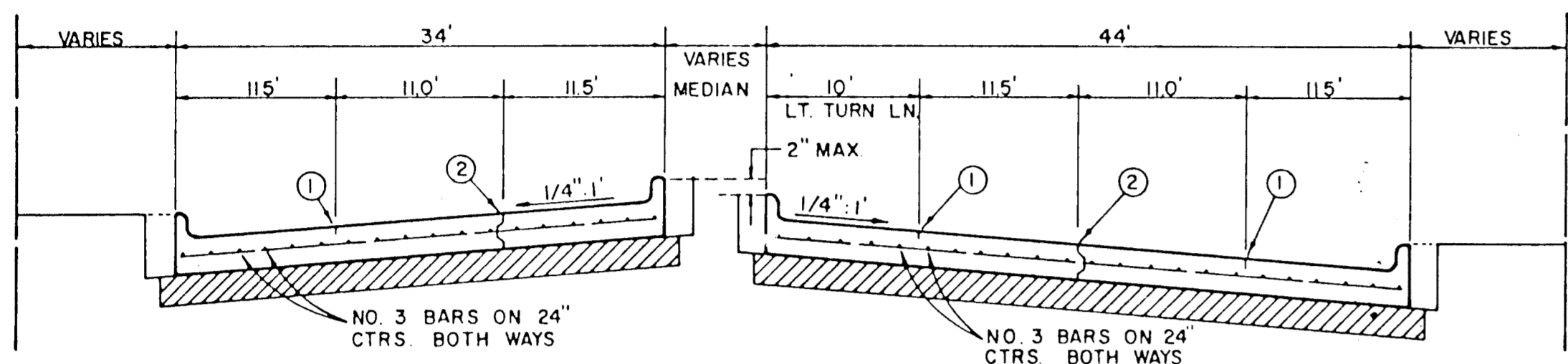
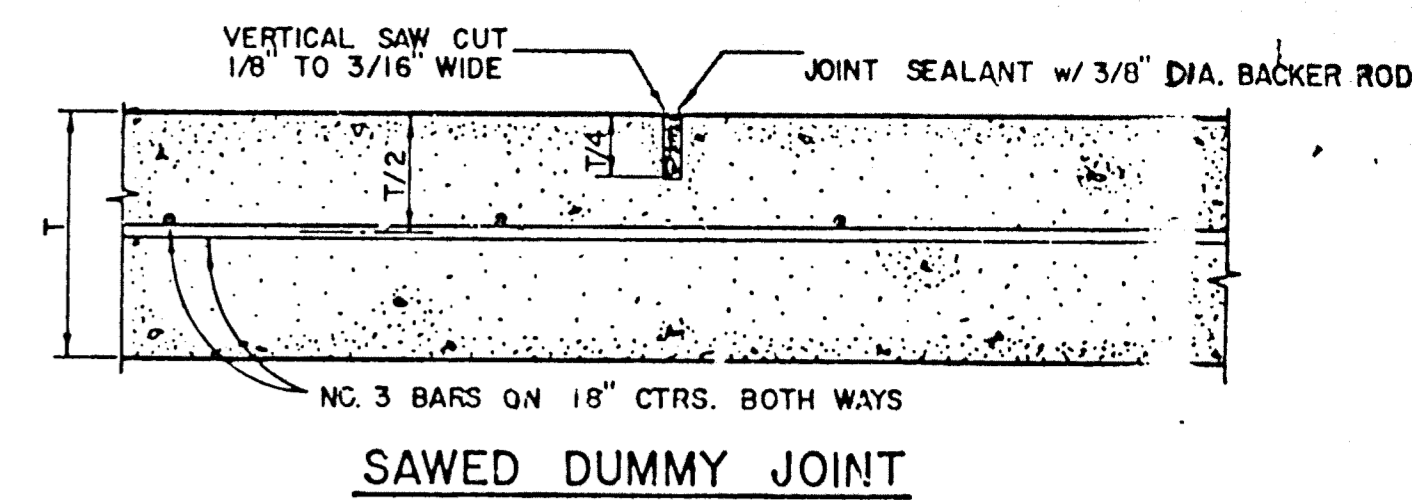
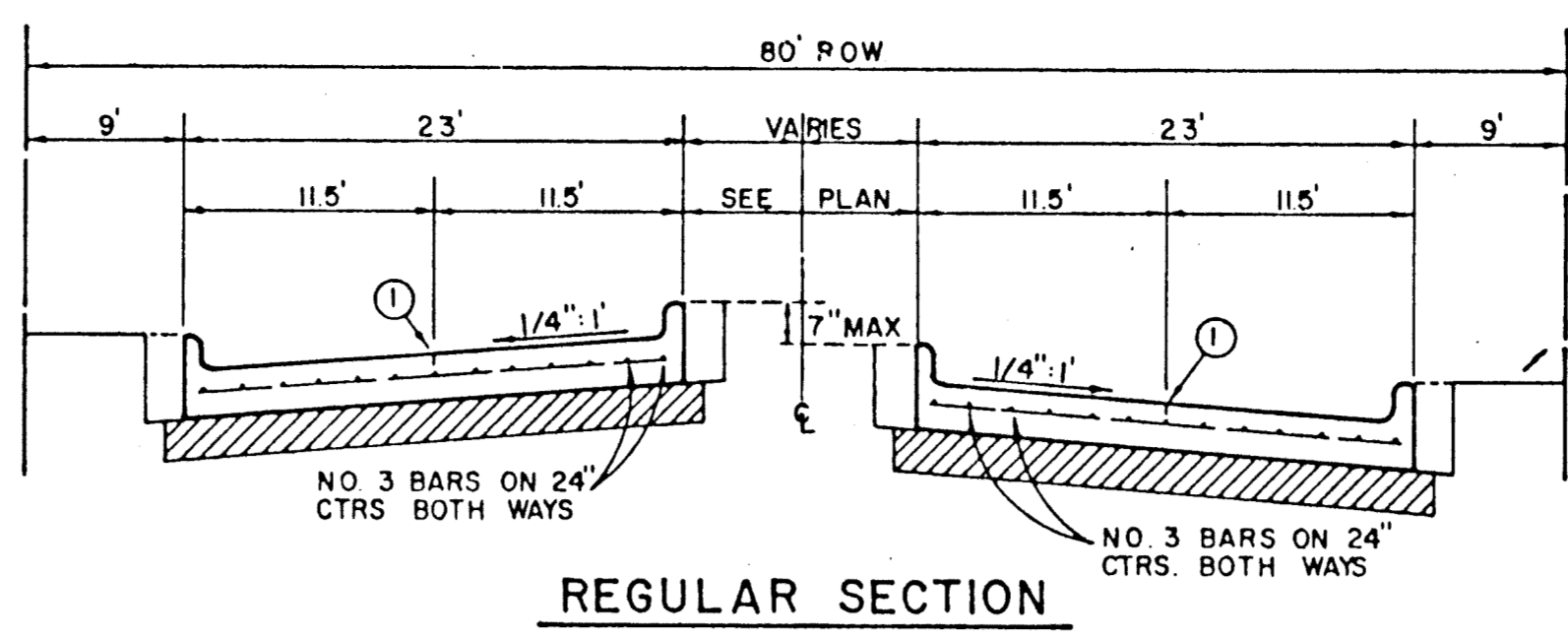
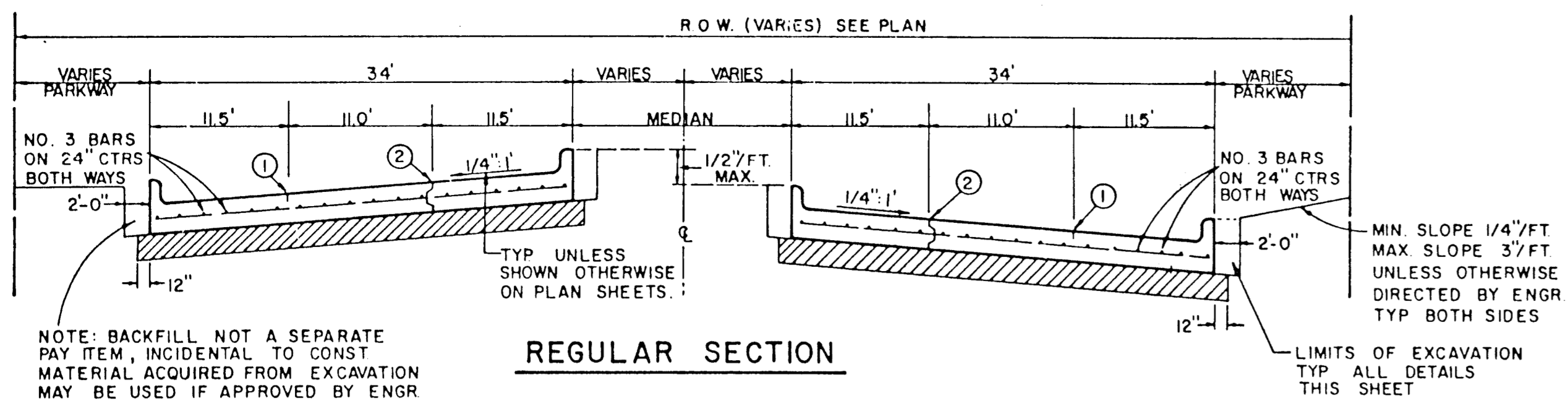


GENERAL NOTES, QUANTITIES  
AND MISC. DETAILS

TOWN OF ADDISON, TEXAS  
BELT LINE RD./MONTFORT

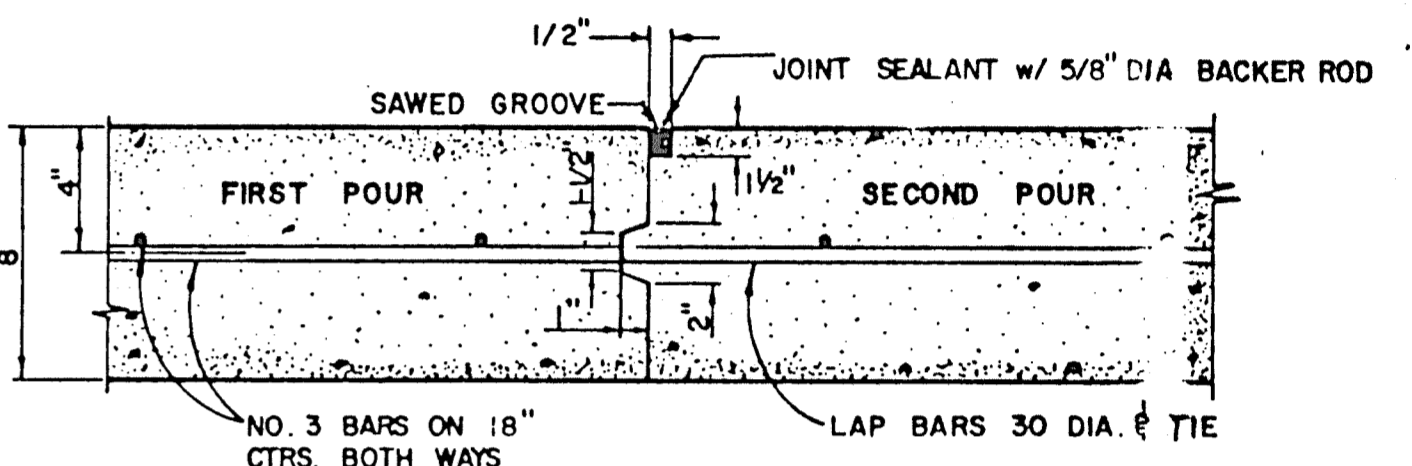
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Checked by:  
Approved by:  
Project No.:  
File Name:

SHEET 2  
OF 13

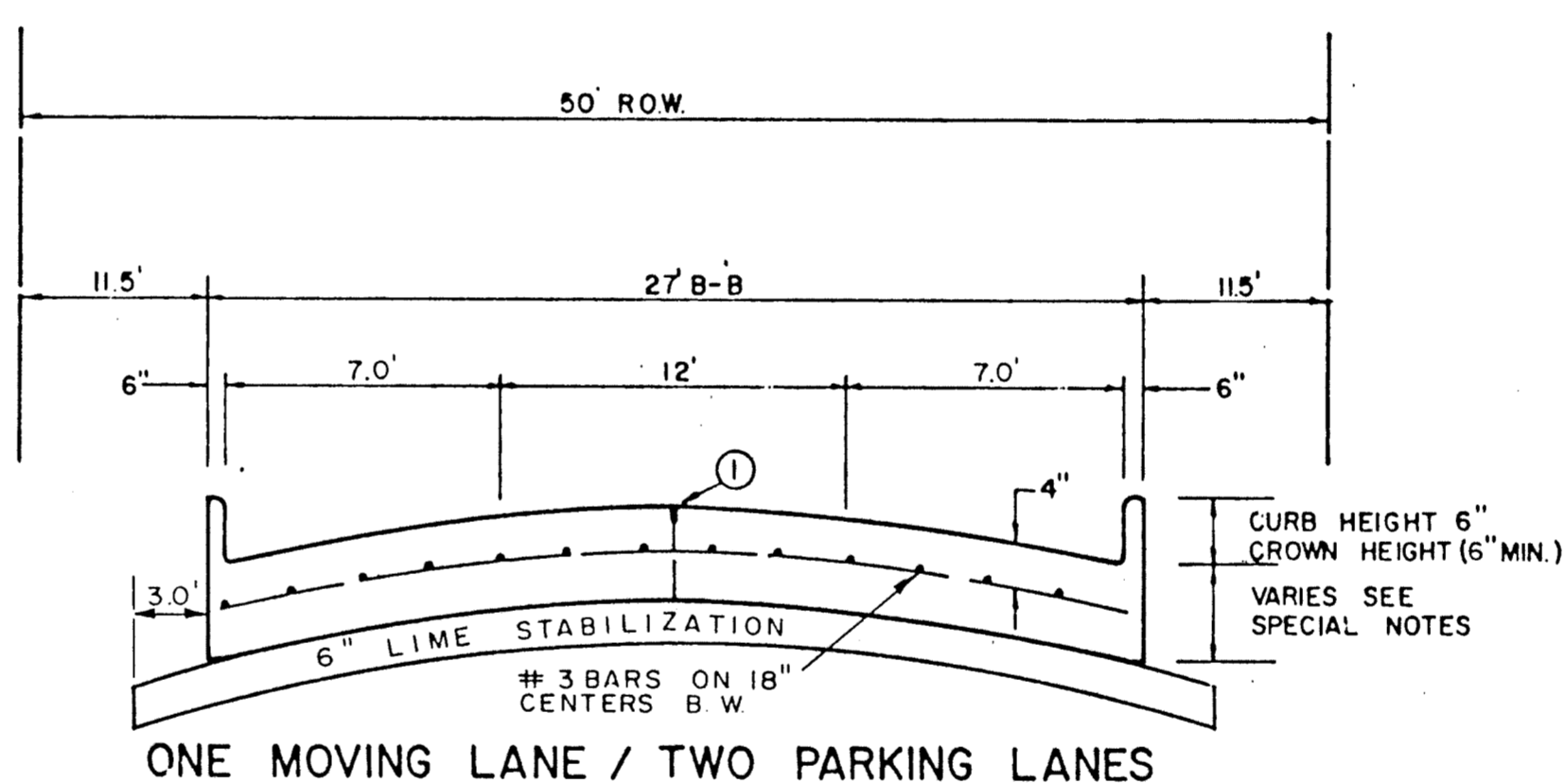
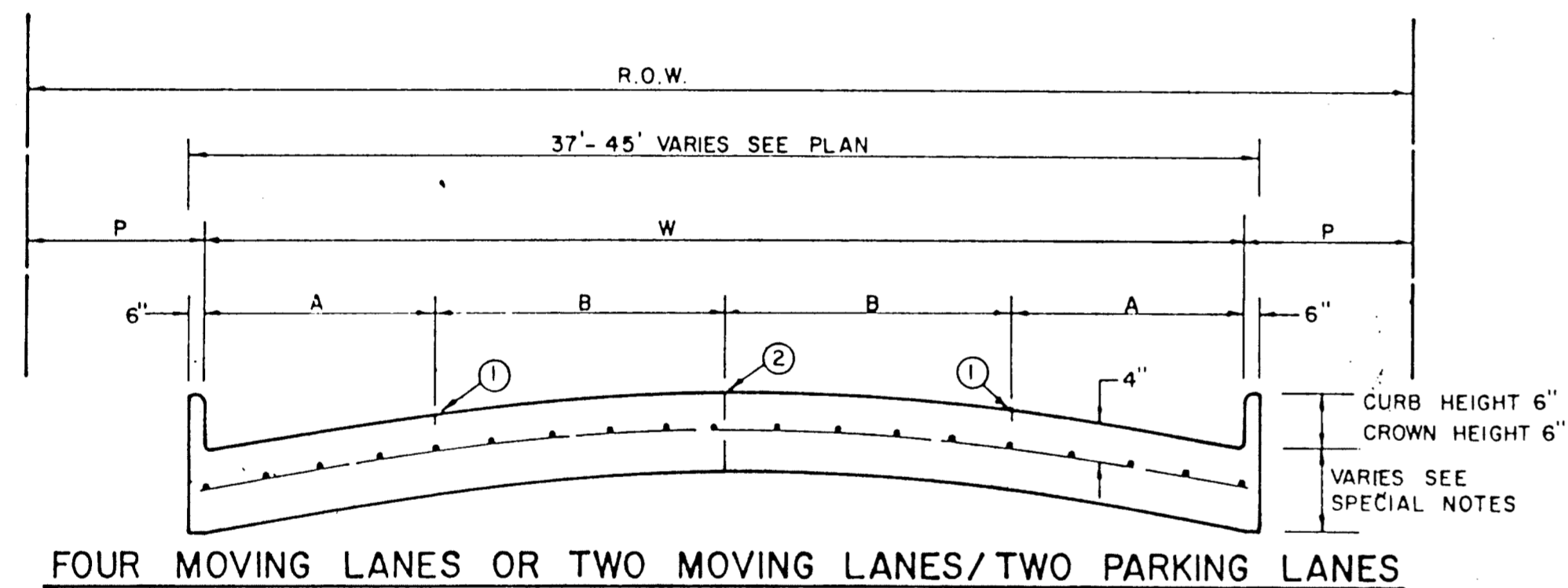


LEFT TURN SECTION  
MAJOR ARTERIAL

LEFT TURN SECTION  
MINOR ARTERIAL



CONSTRUCTION JOINT FOR 8 INCH PAVEMENT



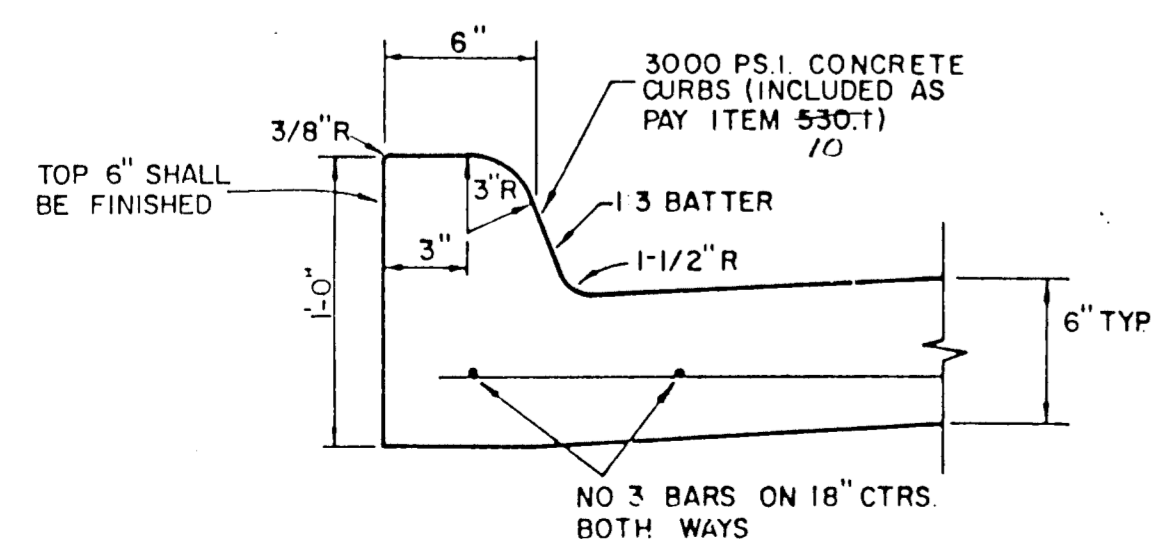
| STREET TYPE | STREET WIDTH (W) | A         | B          | ROW WIDTH | P     |
|-------------|------------------|-----------|------------|-----------|-------|
| COLLECTOR   | 36'              | 8'        | 10'        | 60'       | 11.5' |
| COLLECTOR   | 40'              | 8' OR 10' | 10' OR 12' | 60'       | 9.5'  |
| COLLECTOR   | 44'              | 11'       | 11'        | 65'       | 10.0' |

COLLECTOR STREET

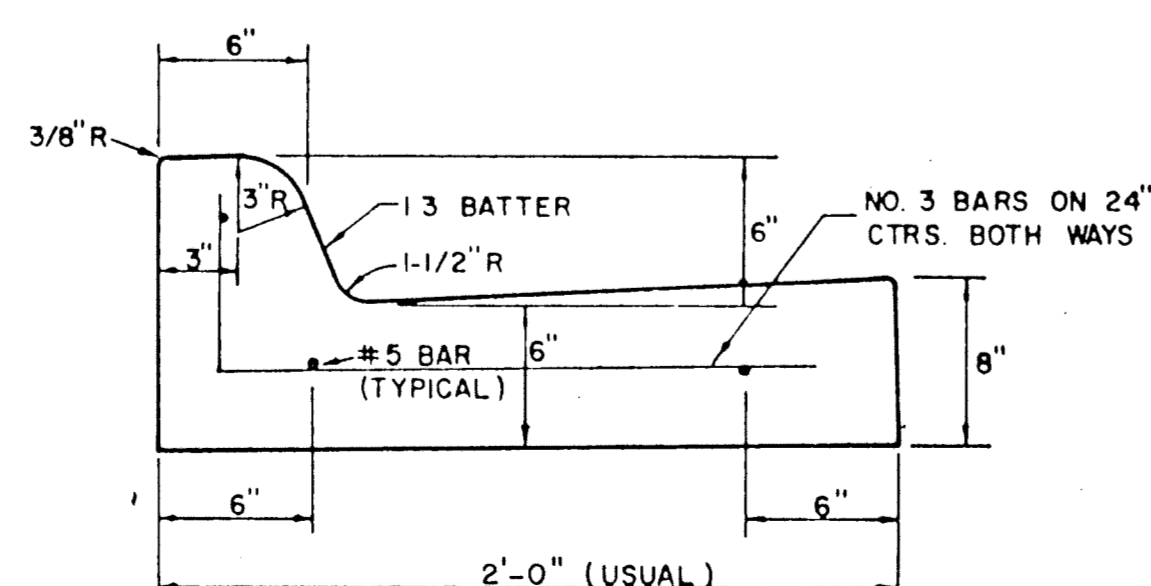
LOCAL STREET

REINFORCED CONCRETE PAVEMENT

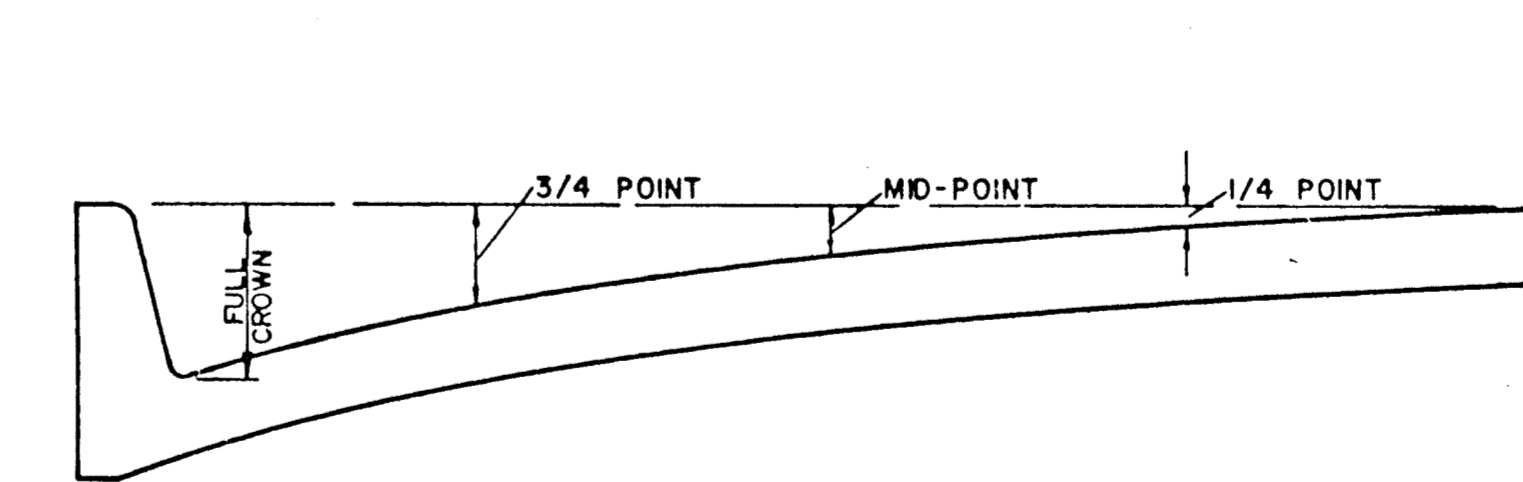
ALL REINFORCING BARS SHALL BE NO. 3 TRANSVERSE BARS TO BE SPACED ON 1'-6" CENTERS; LONGITUDINAL BARS TO BE SPACED ON 1'-6" EXCEPT WHERE NOTED.  
 UNDIVIDED STREETS-PROVIDE 4" DBL.-REF YELLOW & BUTTON P-117-Y PATTERNS TO BE ESTABLISHED BY ENGINEER SEE DETAIL SHEET  
 ① SAWED LONGITUDINAL DUMMY JOINT.  
 ② CONSTRUCTION JOINT (FULL WIDTH PAVT IS ALLOWED WHERE APPROVED BY ENGINEER.  
 ③ FINISH SHALL BE TRANSVERSE WITH TRAFFIC LANES AND SHALL BE STEEL TINED BROOM FINISH.



STANDARD CURB



SEPARATE CURB AND GUTTER

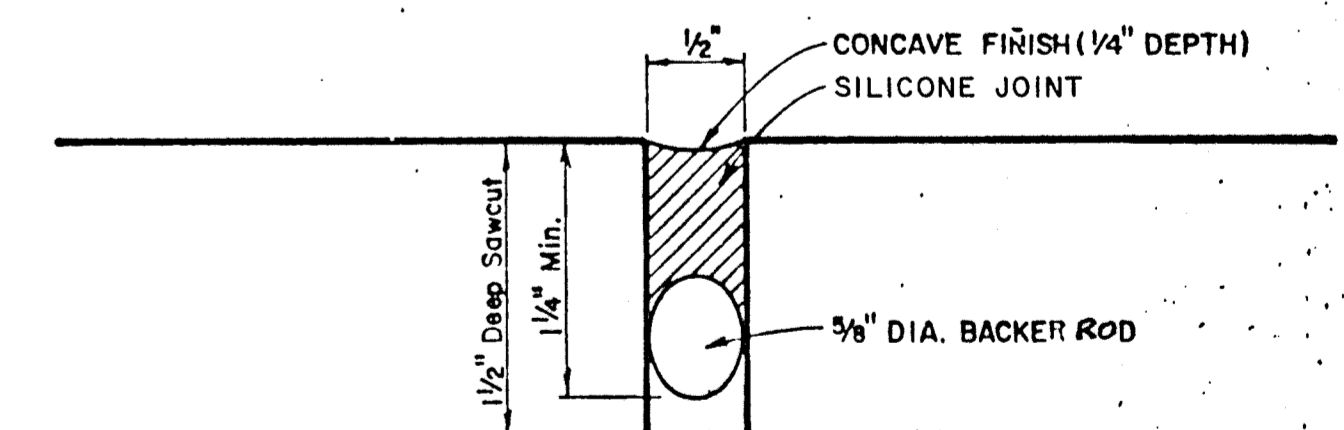


| ROADWAY WIDTH (W) | TOTAL CROWN HEIGHT | 3/4 POINT | MID-POINT | 1/4 POINT |
|-------------------|--------------------|-----------|-----------|-----------|
| 26'               | 6"                 | 3 - 3/8"  | 1 - 1/2"  | 3/8"      |
| 36'               | 6"                 | 3 - 3/8"  | 1 - 1/2"  | 3/8"      |
| 44'               | 6"                 | 3 - 3/8"  | 1 - 1/2"  | 3/8"      |
| 48'               | 6"                 | 3 - 3/8"  | 1 - 1/2"  | 3/8"      |

TABLE OF CROWN HEIGHTS AND ORDINATES FOR VARIOUS PARABOLIC SECTIONS

GENERAL NOTES

- A. GENERAL PAVEMENT THICKNESS FOR STREETS SHALL BE AS SPECIFIED BELOW IN SPECIAL NOTES.
- D. STANDARD SPECIFICATIONS REINFORCED CONCRETE PAVEMENTS
  1. ALL CURBS SHALL BE PLACED INTEGRAL WITH PAVEMENT
  2. CURBS SHALL MEET THE SAME COMPRESSIVE STRENGTH AS SPECIFIED FOR THE CONCRETE PAVEMENT.
  3. DETAIL AND ARRANGEMENT OF JOINTS, ALL TYPES, SHALL BE AS SHOWN ON THE STANDARD CONSTRUCTION DETAILS, OR AS APPROVED BY ENGINEER.
  4. BAR LAPS SHALL BE 30 DIAMETERS.
- C. BAR CHAIRS OR AN APPROVED SUPPORTING DEVICE SHALL BE FURNISHED.

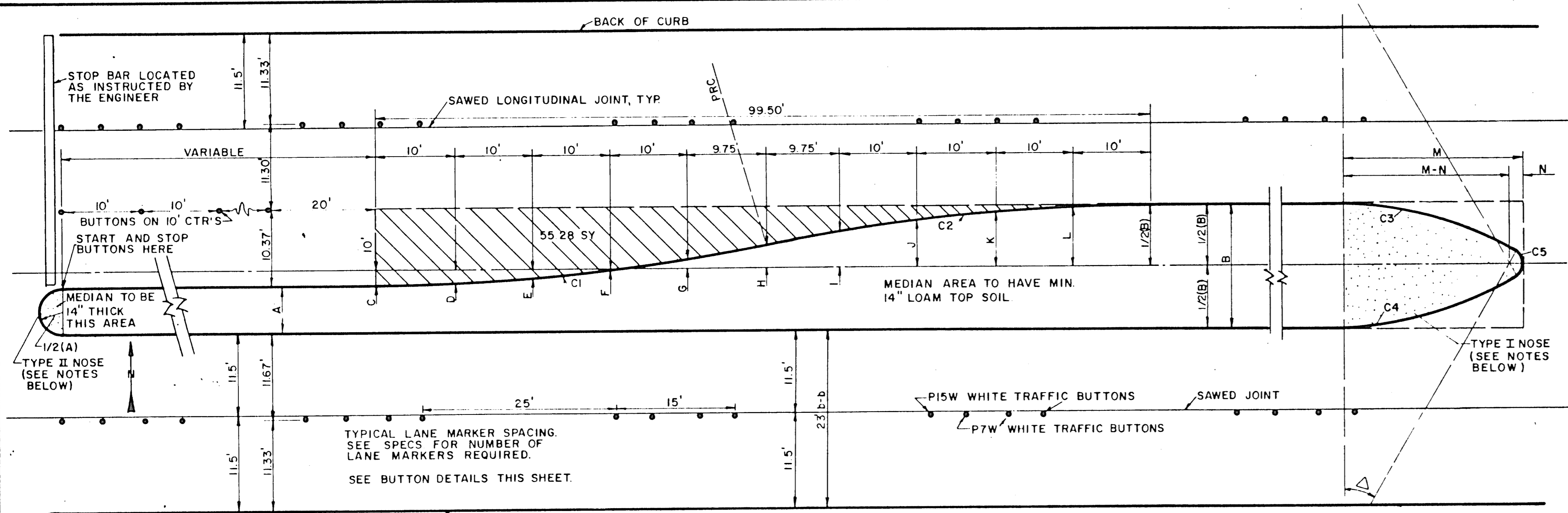


TYPICAL JOINT DETAIL

TOWN OF ADDISON, TEXAS  
 DEPARTMENT OF ENGINEERING  
 STANDARD CONSTRUCTION DETAILS  
 PAVING

STREET CROWNS & JOINTS

Designed - Drawn - Date - AUGUST, 1991 Job No. -  
 Approved - Checked - Scale - Sheet 3 of 13



### MEDIAN DIMENSION CHART

| B  | C      | D      | E      | F      | G      | H      | I      | J       | K       | L       | M      | N     |
|----|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|--------|-------|
| 12 | 4.00'S | 3.80'S | 3.20'S | 2.19'S | 0.78'S | 1.00'N | 2.78'N | 4.19'N  | 5.20'N  | 5.80'N  | 22.56' | 1.00' |
| 13 | 3.50'S | 3.30'S | 2.70'S | 1.69'S | 0.28'S | 1.50'N | 3.28'N | 4.69'N  | 5.70'N  | 6.30'N  | 23.56' | 1.00' |
| 14 | 3.00'S | 2.80'S | 2.20'S | 1.19'S | 0.22'N | 2.00'N | 3.78'N | 5.19'N  | 6.20'N  | 6.80'N  | 22.68' | 2.50' |
| 15 | 2.50'S | 2.30'S | 1.70'S | 0.69'S | 0.72'N | 2.50'N | 4.28'N | 5.69'N  | 6.70'N  | 7.30'N  | 23.71' | 2.50' |
| 16 | 2.00'S | 1.80'S | 1.20'S | 0.19'S | 1.22'N | 3.00'N | 4.78'N | 6.19'N  | 7.20'N  | 7.80'N  | 23.46' | 3.50' |
| 17 | 1.50'S | 1.30'S | 0.70'S | 0.31'N | 1.72'N | 3.50'N | 5.28'N | 6.69'N  | 7.70'N  | 8.30'N  | 24.48' | 3.50' |
| 18 | 1.00'S | 0.80'S | 0.20'S | 0.81'N | 2.22'N | 4.00'N | 5.78'N | 7.19'N  | 8.20'N  | 8.80'N  | 25.44' | 3.50' |
| 19 | 0.50'S | 0.30'S | 0.30'S | 0.31'N | 2.72'N | 4.50'N | 6.28'N | 7.69'N  | 8.70'N  | 9.30'N  | 26.34' | 3.50' |
| 20 | 0.00'  | 0.20'S | 0.80'N | 1.81'N | 3.22'N | 5.00'N | 6.78'N | 8.19'N  | 9.20'N  | 9.80'N  | 26.72' | 4.00' |
| 21 | 0.50'N | 0.70'N | 1.30'N | 2.31'N | 3.72'N | 5.50'N | 7.28'N | 8.69'N  | 9.70'N  | 10.30'N | 27.57' | 4.00' |
| 22 | 1.00'N | 1.20'N | 1.80'N | 2.81'N | 4.22'N | 6.00'N | 7.78'N | 9.19'N  | 10.20'N | 10.80'N | 28.39' | 4.00' |
| 23 | 1.50'N | 1.70'N | 2.30'N | 3.31'N | 4.72'N | 6.50'N | 8.28'N | 9.69'N  | 10.70'N | 11.30'N | 29.17' | 4.00' |
| 24 | 2.00'N | 2.30'N | 2.80'N | 3.81'N | 5.22'N | 7.00'N | 8.78'N | 10.19'N | 11.20'N | 11.80'N | 29.92' | 4.00' |

N = NORTH OF CENTERLINE  
S = SOUTH OF CENTERLINE

### CURVE DATA C3 & C4 FOR 7' A=14'

| A  | Δ         | R   | T      | L      | M      | N     |
|----|-----------|-----|--------|--------|--------|-------|
| 7  | 18°22'52" | 50' | 8.09'  | 16.04' | 16.45' | 1.00' |
| 8  | 20°09'11" |     | 8.89'  | 17.59' | 17.88' | 1.00' |
| 9  | 21°47'12" |     | 9.62'  | 19.01' | 19.19' | 1.00' |
| 10 | 23°18'41" |     | 10.31' | 20.34' | 20.39' | 1.00' |
| 11 | 24°44'50" |     | 10.97' | 21.60' | 21.51' | 1.00' |
| 12 | 26°06'32" |     | 11.59' | 22.78' | 22.56' | 1.00' |
| 13 | 27°24'27" |     | 12.19' | 23.92' | 23.56' | 1.00' |
| 14 | 28°08'28" |     | 12.77' | 25.04' | 24.68' | 2.50' |

CURVE DATA C2  
Δ = 11°28'40"  
R = 250'  
T = 25.13'  
L = 50.08'

### CURVE DATA C3 & C4 FOR 12' B=24'

| B  | Δ         | R      | T      | L      |
|----|-----------|--------|--------|--------|
| 12 | 26°06'32" | 50.00' | 11.59' | 22.78' |
| 13 | 27°24'27" |        | 12.19' | 23.92' |
| 14 | 28°08'28" |        | 12.77' | 25.04' |
| 15 | 28°31'32" |        | 13.33' | 26.13' |
| 16 | 28°48'51" |        | 13.87' | 27.18' |
| 17 | 28°58'58" |        | 14.39' | 28.20' |
| 18 | 29°02'53" |        | 14.89' | 29.19' |
| 19 | 29°00'43" |        | 15.37' | 30.15' |
| 20 | 28°52'30" |        | 15.83' | 31.08' |
| 21 | 28°39'46" |        | 16.27' | 31.98' |
| 22 | 28°22'01" |        | 16.69' | 32.85' |
| 23 | 28°00'48" |        | 17.09' | 33.68' |
| 24 | 27°15'05" |        | 17.47' | 34.47' |

### CURVE DATA C5 FOR 12' B=24'

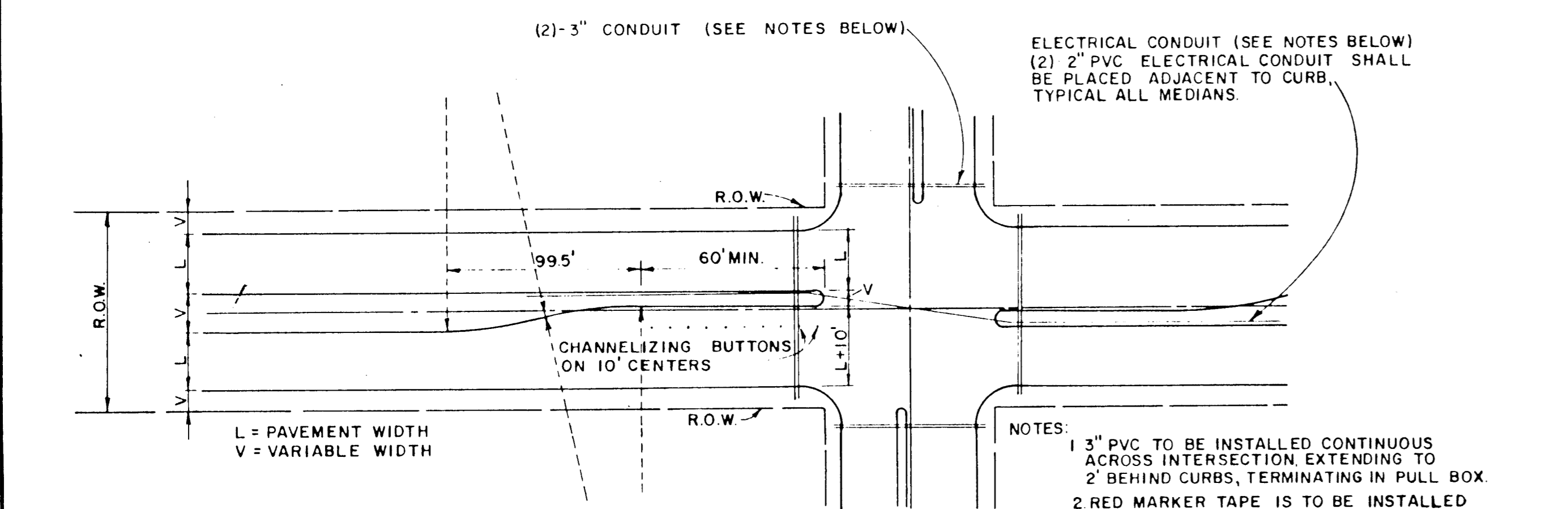
| B  | Δ          | R     | T     | L     |
|----|------------|-------|-------|-------|
| 12 | 127°47'32" | 100'  | 2.04' | 2.23' |
| 13 | 125°42'46" | 100'  | 1.93' | 2.19' |
| 14 | 123°43'08" | 2.50' | 5.33' | 5.66' |
| 15 | 126°57'31" | 2.50' | 5.01' | 5.54' |
| 16 | 129°09'33" | 3.50' | 7.36' | 7.89' |
| 17 | 126°21'44" | 3.50' | 6.92' | 7.72' |
| 18 | 123°41'38" | 3.50' | 6.54' | 7.56' |
| 19 | 120°52'03" | 3.50' | 6.17' | 7.38' |
| 20 | 120°48'56" | 4.00' | 7.04' | 8.43' |
| 21 | 118°21'08" | 4.00' | 6.70' | 8.26' |
| 22 | 115°57'07" | 4.00' | 6.40' | 8.10' |
| 23 | 113°38'22" | 4.00' | 6.12' | 7.93' |
| 24 | 111°23'48" | 4.00' | 5.86' | 7.78' |

### CURVE DATA C5 FOR 7' A=14'

| A  | Δ          | R     | T     | L     |
|----|------------|-------|-------|-------|
| 7  | 143°14'15" | 100'  | 3.01' | 2.50' |
| 8  | 139°41'38" | 100'  | 2.72' | 2.44' |
| 9  | 136°25'35" | 100'  | 2.50' | 2.38' |
| 10 | 133°22'38" | 100'  | 2.32' | 2.33' |
| 11 | 130°30'20" | 100'  | 2.17' | 2.28' |
| 12 | 127°47'32" | 100'  | 2.04' | 2.23' |
| 13 | 125°12'46" | 100'  | 1.93' | 2.19' |
| 14 | 123°43'08" | 2.50' | 5.33' | 5.66' |

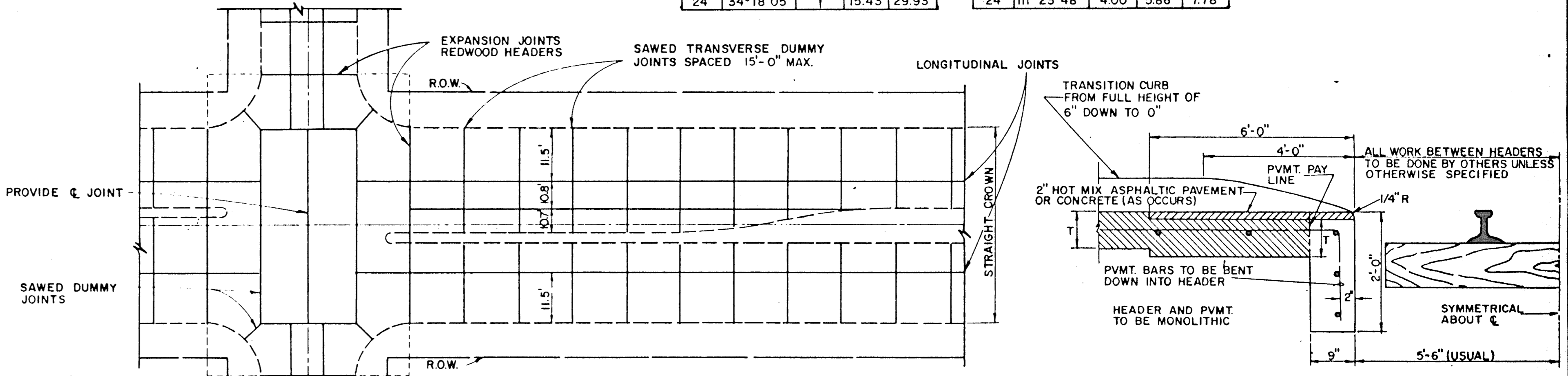
### LEFT TURN LANE (AS APPLICABLE)

NOTES: 1) FOR 2' A=7' USE TYPE II NOSE  
2) FOR 7' A=14' USE TYPE I NOSE  
3) FOR 12' B=24' USE TYPE I NOSE

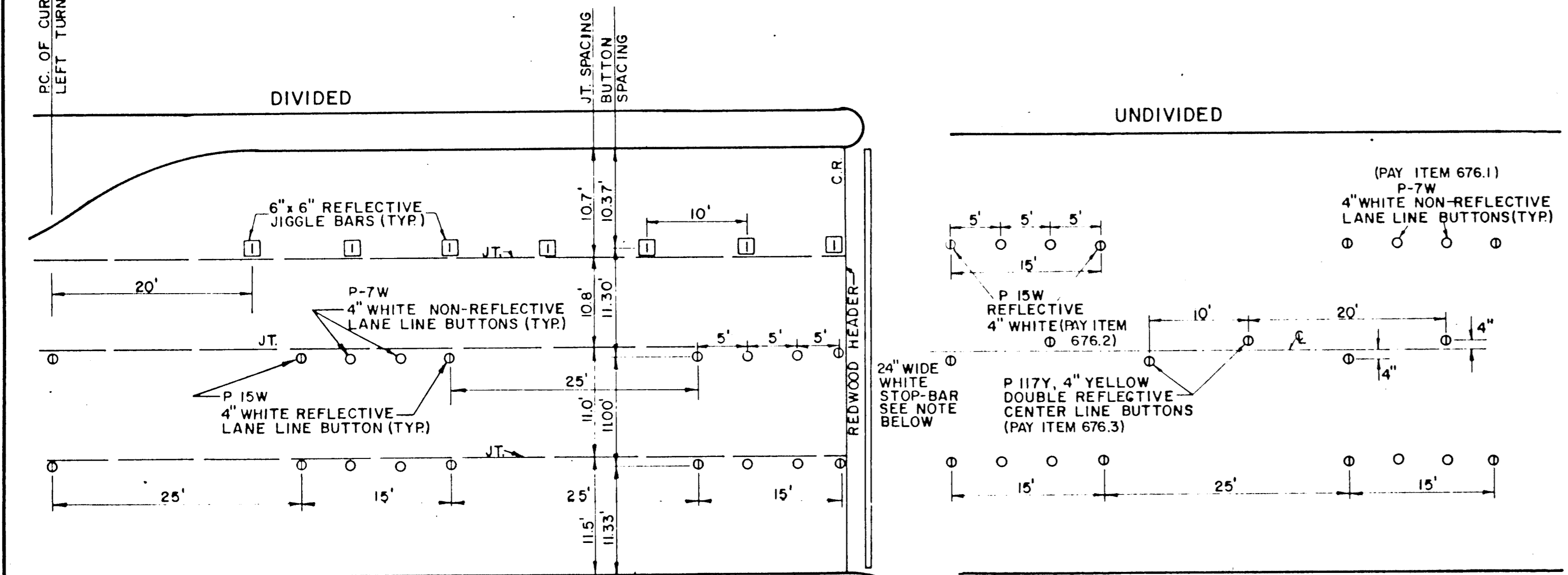


### CONDUIT

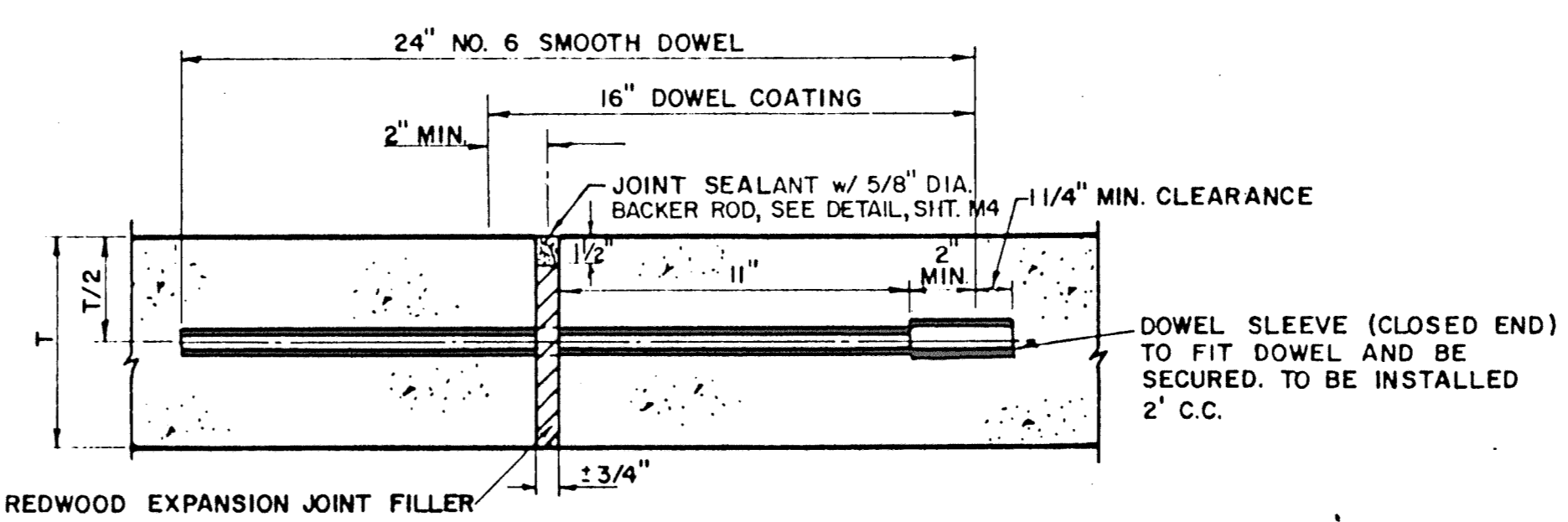
FOR EXACT LOCATIONS, THIS PROJECT-SEE PLANS



### SPACING DIAGRAM FOR TRANSVERSE JOINTS



### BUTTON DETAILS



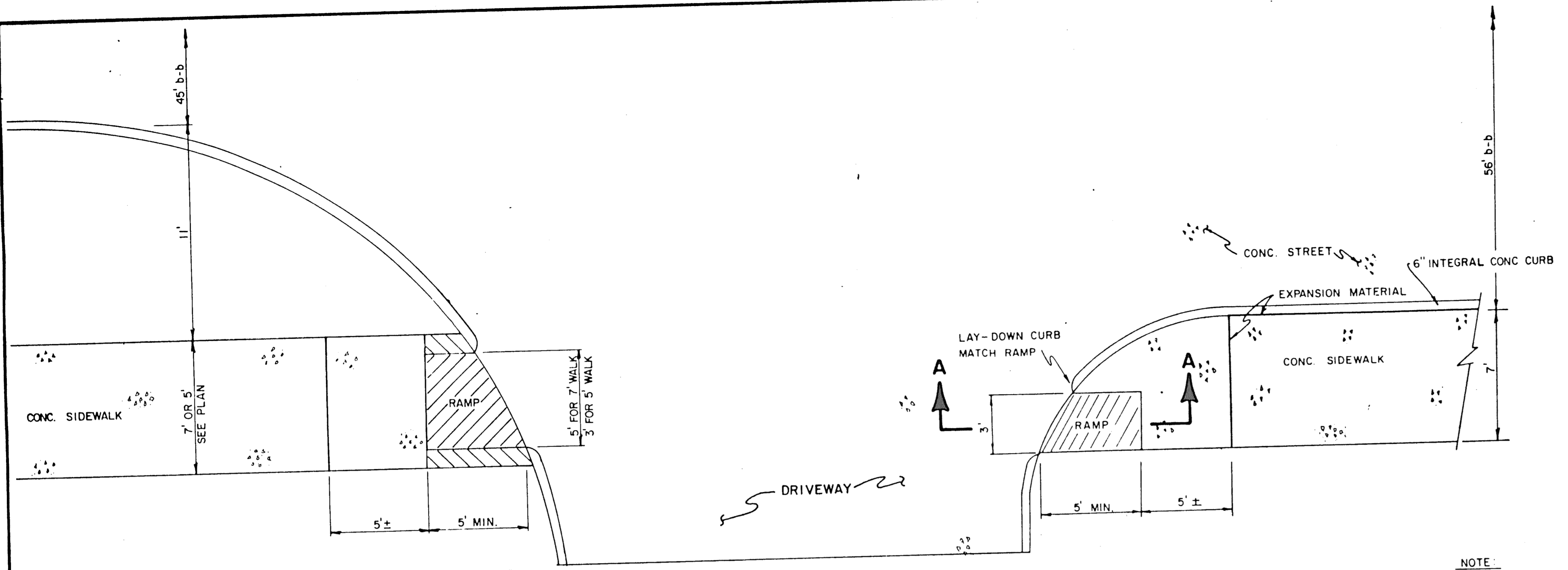
### TRANSVERSE EXPANSION JOINT (SPACED 600 FT. MAXIMUM; LOCATE AT INTERSECTIONS)

TOWN OF ADDISON, TEXAS  
DEPARTMENT OF ENGINEERING

### STANDARD CONSTRUCTION DETAILS PAVING

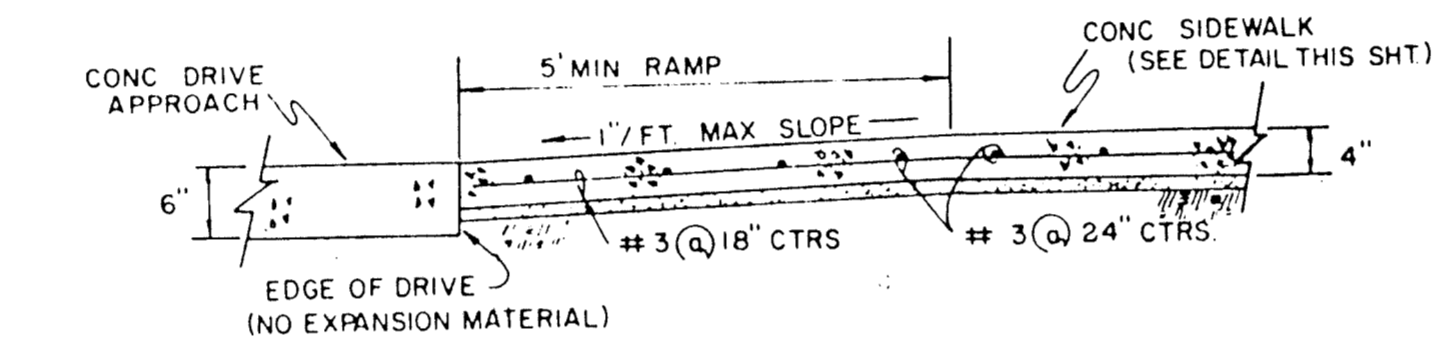
### TURN LANES & JOINTS

|            |           |                     |               |
|------------|-----------|---------------------|---------------|
| Designed - | Drawn -   | Date - AUGUST, 1991 | Job No. -     |
| Approved - | Checked - | Scale -             | Sheet 4 of 13 |

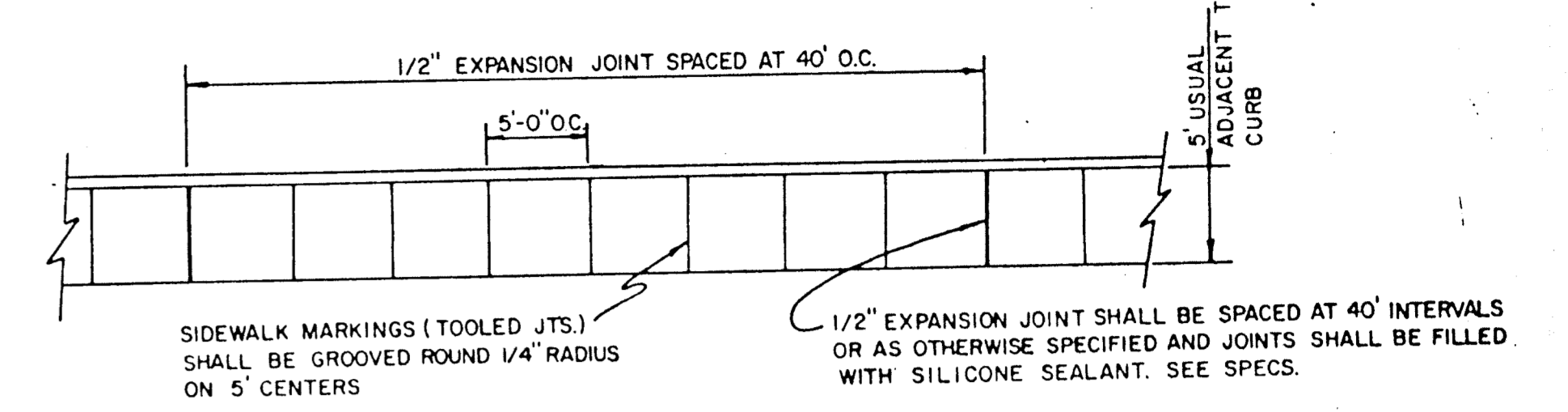


**PLAN**

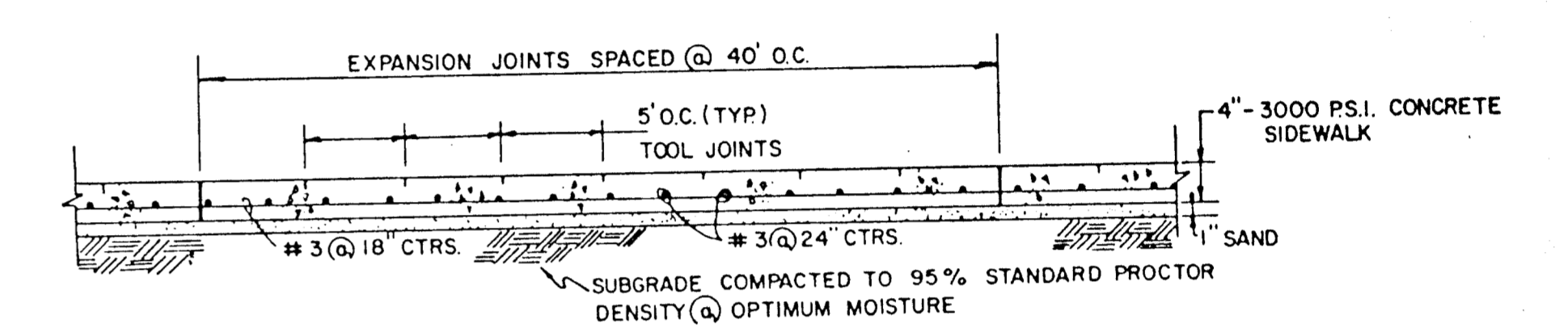
NOTE:  
MODIFY RAMP TO  
FIT DIFFERENT RADIUS



**SECTION A-A**

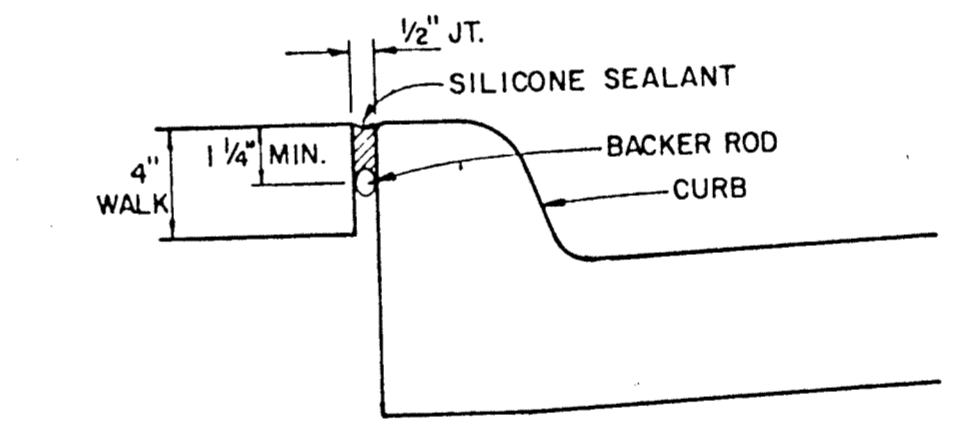


**PLAN**

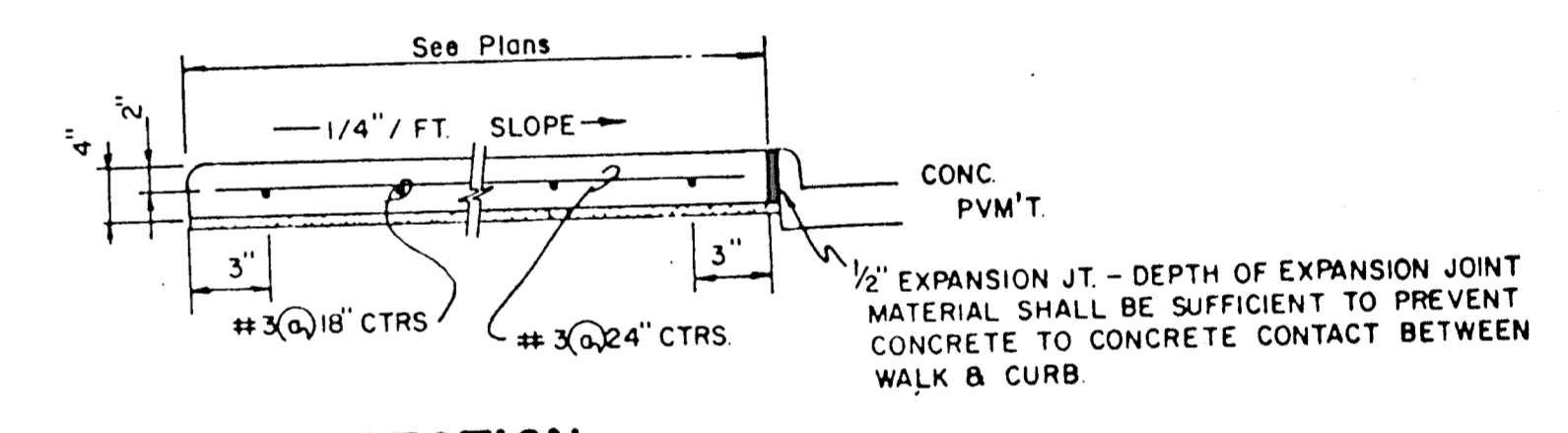


**SIDE ELEVATION**

**BARRIER FREE RAMP DETAIL  
WITH WALK ADJACENT TO CURB**

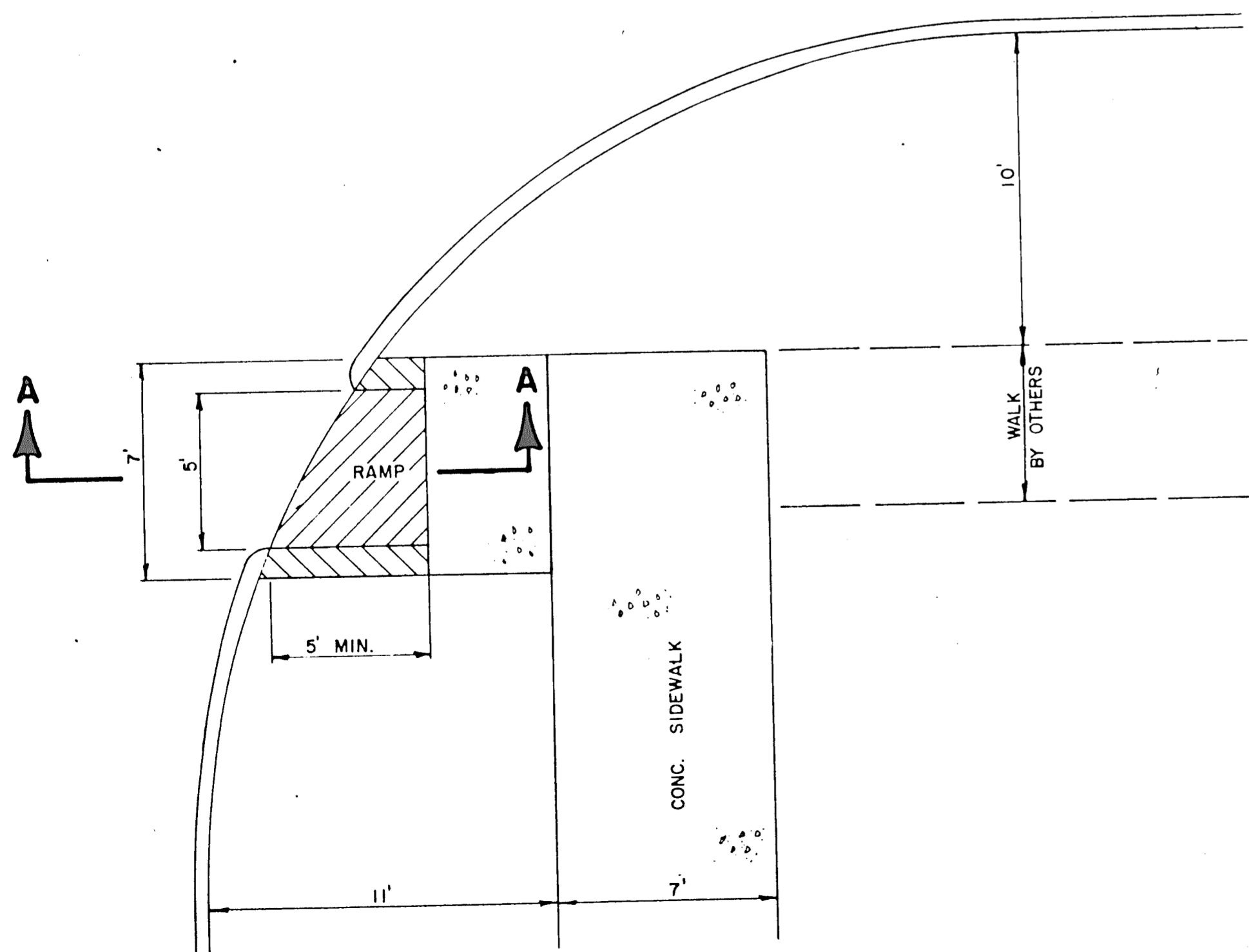


**EXPANSION JOINT DETAIL**

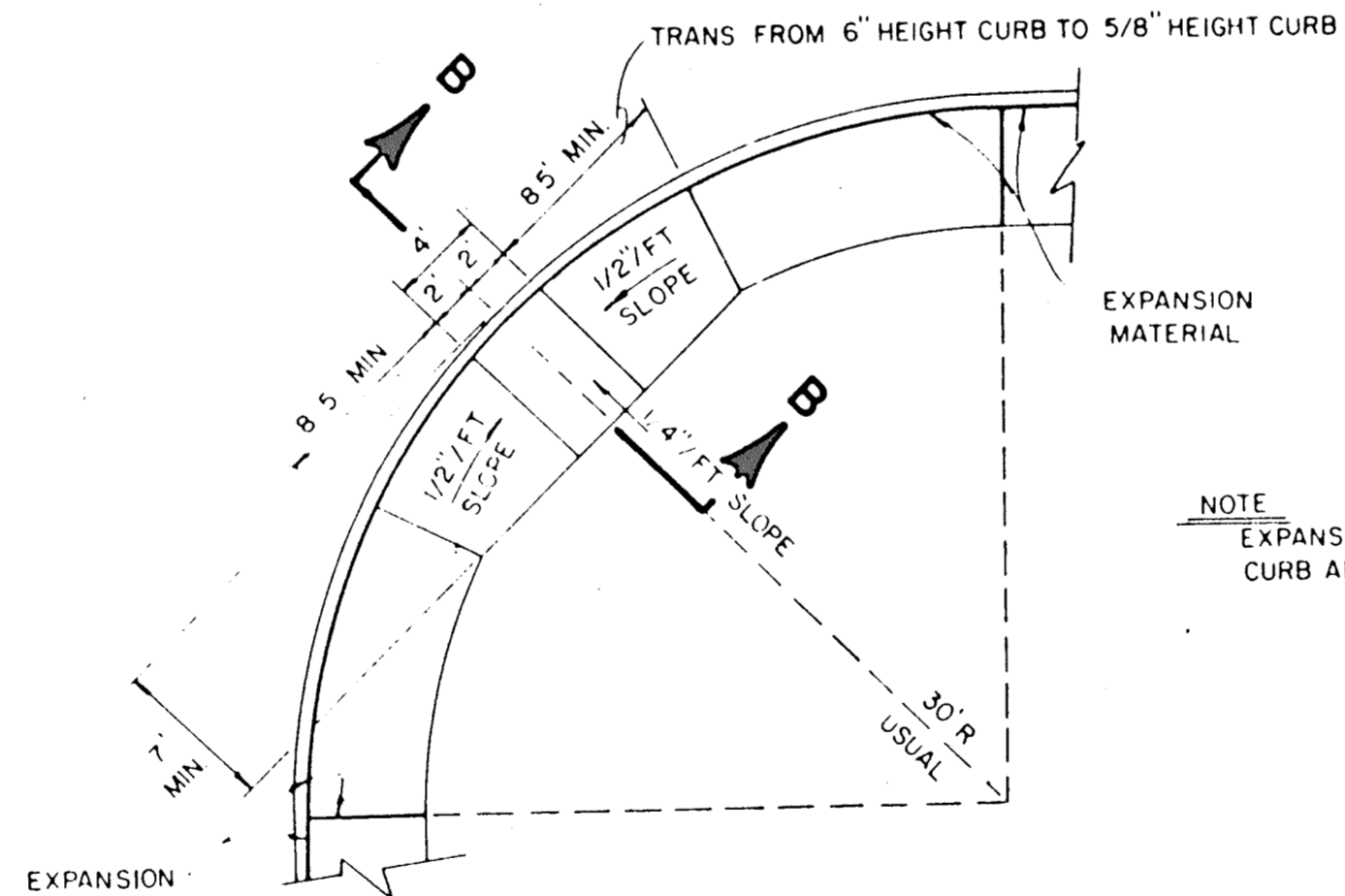


**SECTION**

**CONCRETE SIDEWALK DETAIL**

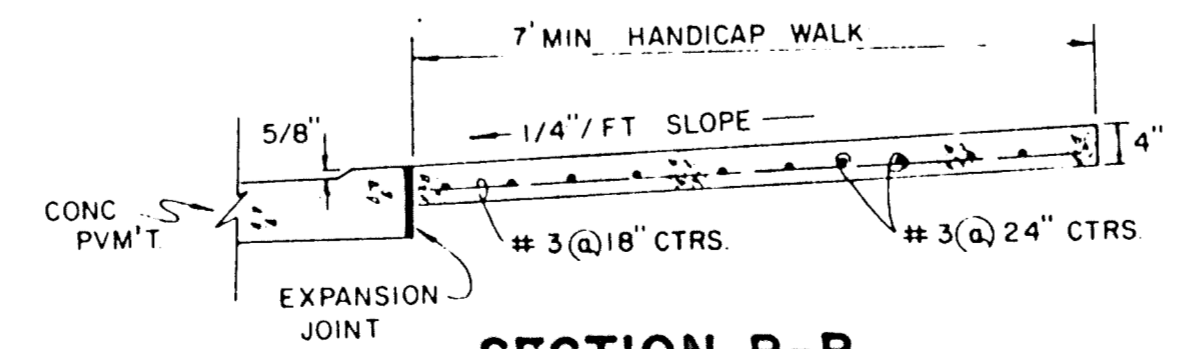


**BARRIER FREE RAMP DETAIL  
WITH WALK SEPARATE FROM CURB**



**PLAN**

NOTE:  
EXPANSION MATERIAL ALONG  
CURB AND AT CURB RETURNS



**SECTION B-B**

**HANDICAP ROLL-DOWN CURB DETAIL**

**GENERAL NOTES**

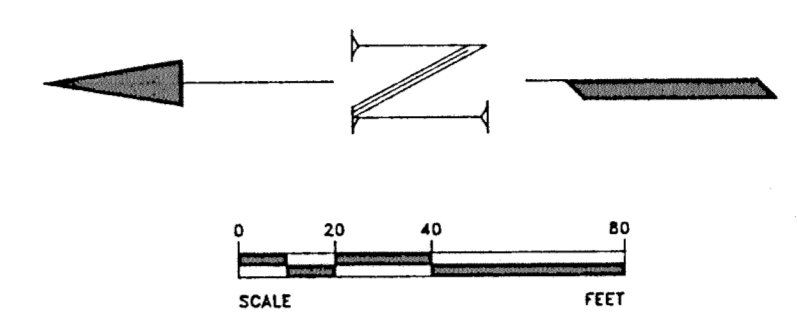
1. Reinforced concrete sidewalk shall be 5 or 7 feet wide, a minimum of four (4) inches thick and shall be 3000 psi at 28 days (5 sack mix). Unless noted otherwise.
2. Chamfer all exposed edges of concrete (1/4) inch.
3. All bar dimensions are given as center to center of bars and are located as shown.
4. All reinforcing steel shall be No. 3 on 18 inch centers longitudinally, 24 inch centers transversely and shall conform to the requirements of ASTM A-615, Grade 60.
5. 1" thick min. fine, washed sand cushion shall be free from organic materials or clays and shall be used for grade adjustment.
6. Subgrade shall be compacted to a density not less than 95% at optimum moisture.
7. Tooled joints (contraction joints) shall be on five (5) foot centers and shall be round one-fourth (1/4) inch radius.
8. A one-half (1/2) inch expansion joint shall be placed every eight (8) tooled joints, and where works abut old work, or where new work is constructed adjacent to other concrete, a one-half inch expansion joint shall be used where sidewalk is adjacent to curb, the expansion joint shall be made of pre-molded bituminous expansion joint filler or redwood with silicone sealant. See Specs.
9. Sidewalks shall be finished by lightly brooming surface transversely to direction of main traffic or where adjacent sidewalks differ from this standard, new sidewalks shall conform to adjacent sidewalk (e.g. exposed aggregate).
10. Cross slope walk one-fourth (1/4) inch per foot towards curb or as shown on the drawings to provide drainage.

| NO.   | REVISION | BY            | DATE |
|---|----------|---------------|------|
| TOWN OF ADDISON, TEXAS<br>DEPARTMENT OF ENGINEERING |          |               |      |
| STANDARD CONSTRUCTION DETAILS<br>PAVING             |          |               |      |
| SIDEWALKS & RAMPS                                   |          |               |      |
| APPROVED _____                                      |          |               |      |
| DATE AUGUST, 1991                                   |          | SHEET 5 of 13 |      |

**TRAFFIC CONTROL PLAN**

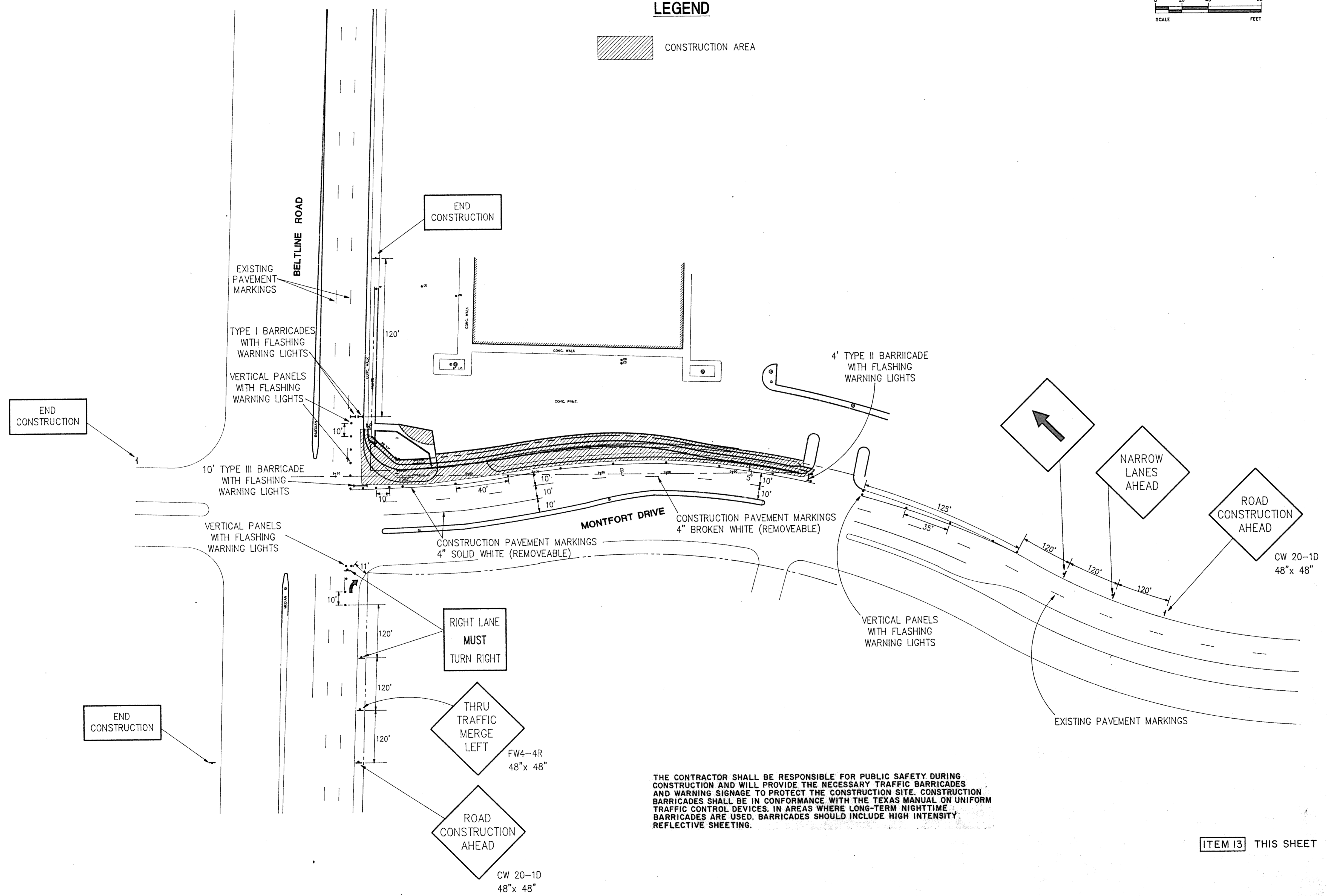
**TOWN OF ADDISON, TEXAS  
BELT LINE RD./MONTFORT**

Scale: 1"=40'  
 Date: 01/07/92  
 Designed by: G.D. JOST  
 Drawn by: L.J. MATTHEWS  
 Checked by: XXXXXXXXXXXX  
 Approved by: XXXXXXXXXXXX  
 Project No: T65314-01  
 File Name: TCP



**LEGEND**

 CONSTRUCTION AREA

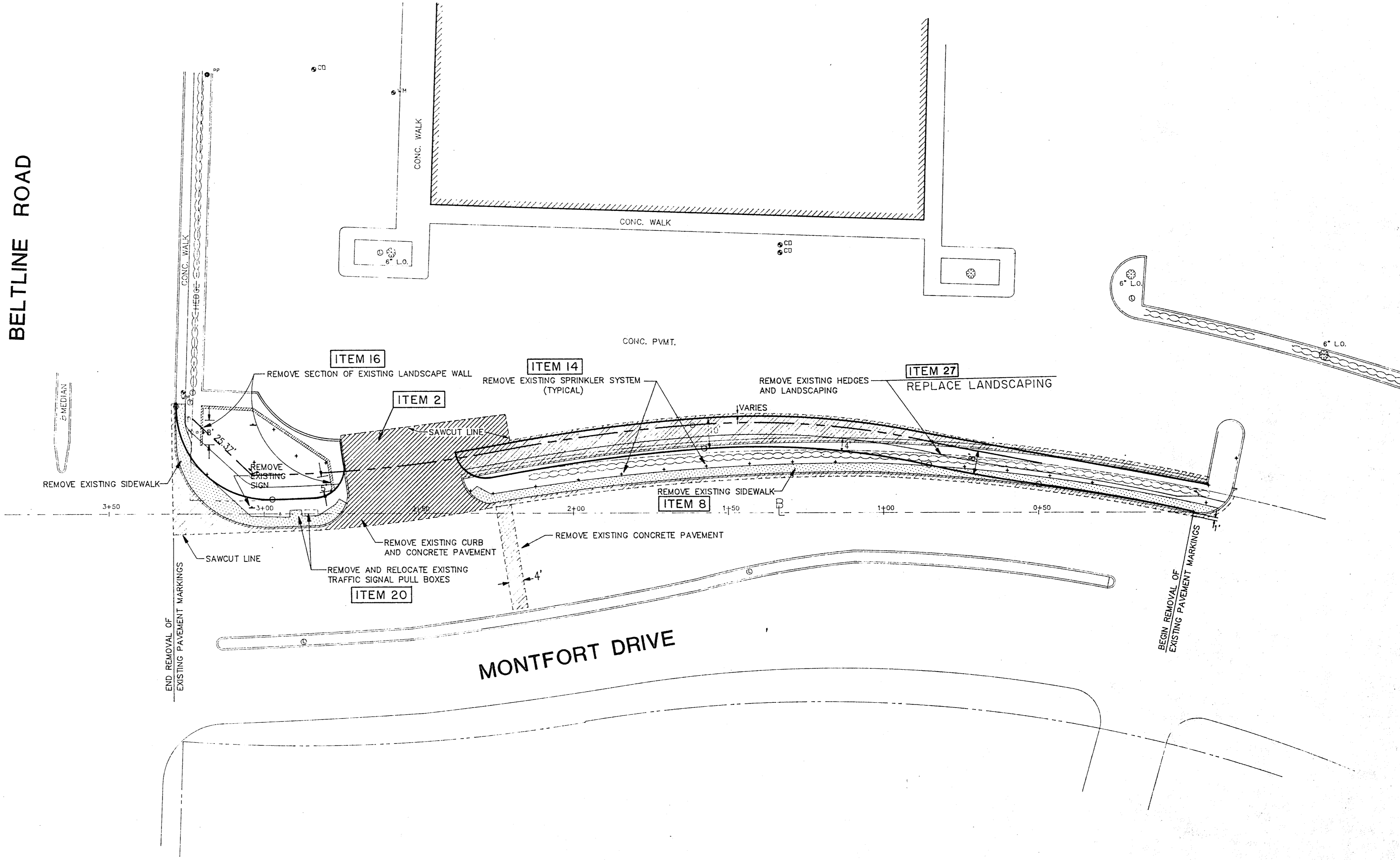
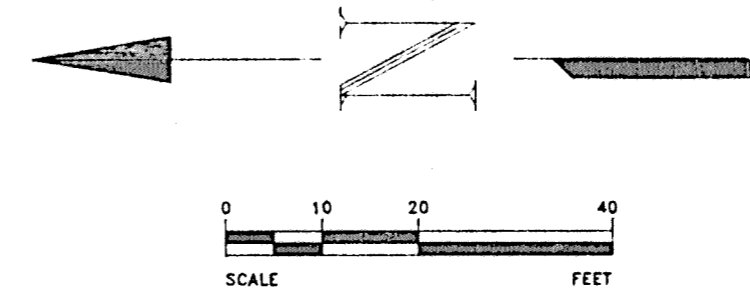


THE CONTRACTOR SHALL BE RESPONSIBLE FOR PUBLIC SAFETY DURING CONSTRUCTION AND WILL PROVIDE THE NECESSARY TRAFFIC BARRICADES AND WARNING SIGNAGE TO PROTECT THE CONSTRUCTION SITE. CONSTRUCTION BARRICADES SHALL BE IN CONFORMANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. IN AREAS WHERE LONG-TERM NIGHTTIME BARRICADES ARE USED, BARRICADES SHOULD INCLUDE HIGH INTENSITY REFLECTIVE SHEETING.

**ITEM 13** THIS SHEET

BELTLINE ROAD

MONTFORT DRIVE



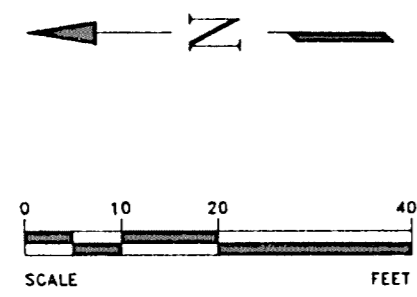
| No. | Date | Revisions | APP. |
|-----|------|-----------|------|
|     |      |           |      |

**Barton-Aschman Associates, Inc.**

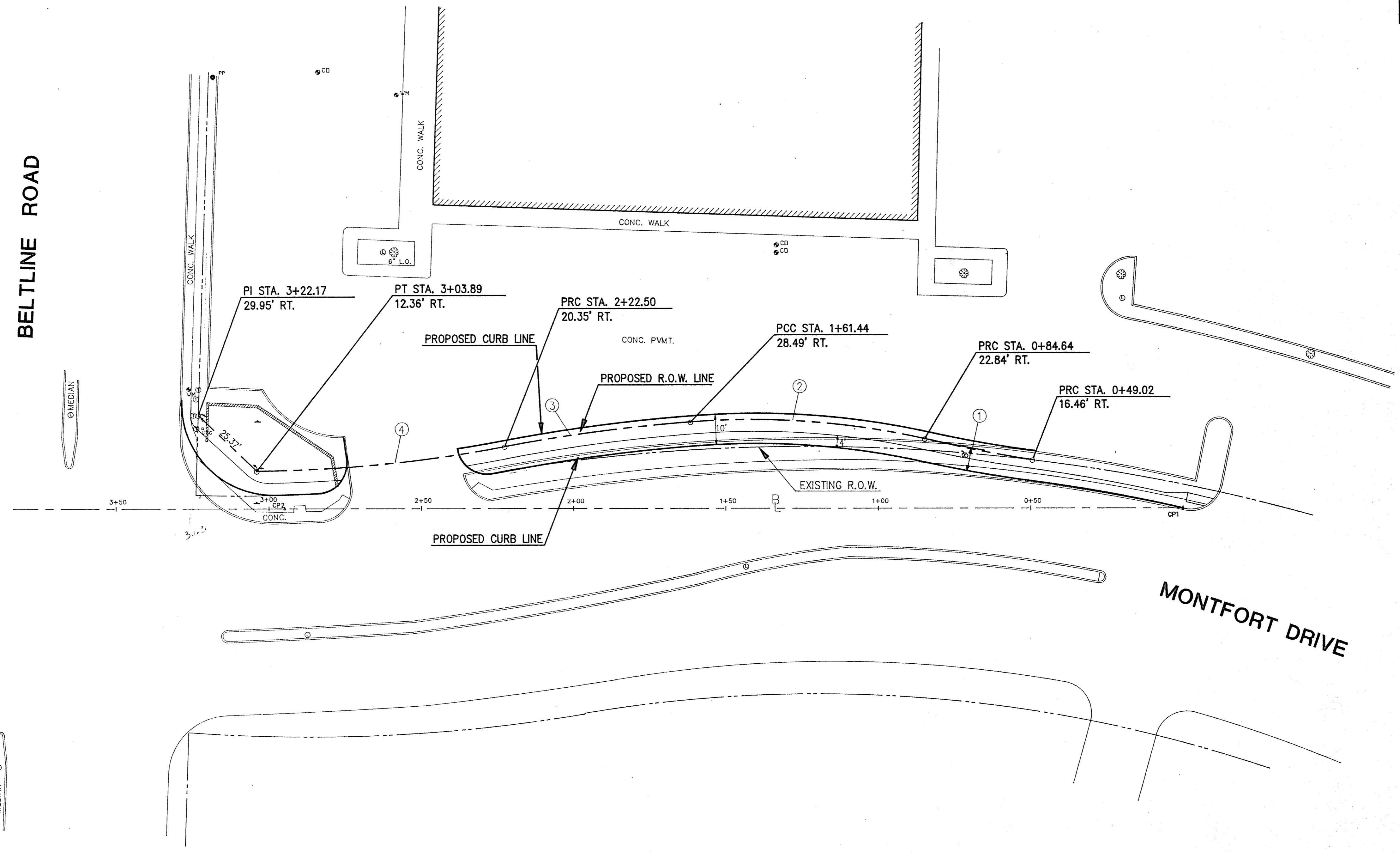
REMOVAL ITEMS

TOWN OF ADDISON, TEXAS  
BELT LINE RD./MONTFORT

Scale: 1"=20'  
 Date: 01/17/92  
 Designed by: G.D. JOST  
 Drawn by: L.J. MATHEWS  
 Checked by: L.M. POND  
 Approved by: XXXXXXXXXXXX  
 Project No: 166314.01  
 File Name: REMOVAL



| CURVE No. | $\Delta$       | R       | T      | L      |
|-----------|----------------|---------|--------|--------|
| 1         | 5° 17' 5.81"   | 392.47' | 18.11' | 36.20' |
| 2         | 17° 09' 59.98" | 258.00' | 38.94' | 77.30' |
| 3         | 6° 25' 55.48"  | 549.00' | 30.85' | 61.63' |
| 4         | 10° 24' 13.17" | 451.00' | 41.06' | 81.89' |



|     |      |           |      |
|-----|------|-----------|------|
| No. | Date | Revisions | App. |
|     |      |           |      |

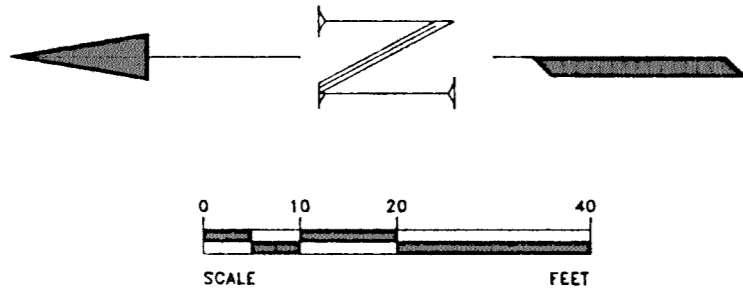
**Barton-Aschman Associates, Inc.**

**PROPOSED RIGHT-OF-WAY**

**TOWN OF ADDISON, TEXAS  
BELT LINE RD./MONTFORT**

Scale: 1"=20'  
 Date: 01/07/92  
 Designed by: C.D. JOST  
 Drawn by: L.J. MATTHEWS  
 Checked by: L.M. POND  
 Approved by: XXXXXXXXXX  
 Project No: 166314.01  
 File Name: P-ROW

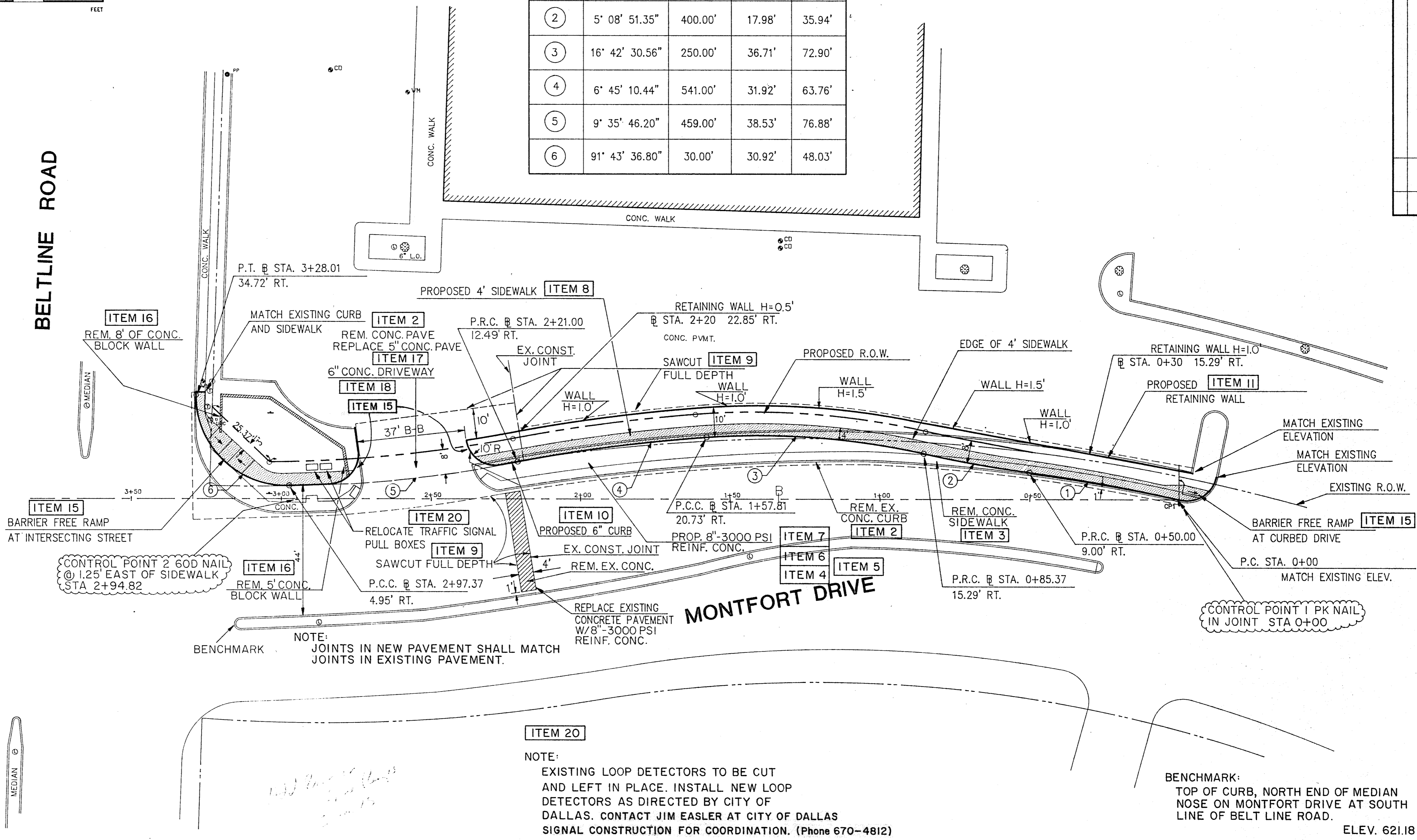




| CURVE DATA |                |         |        |        |
|------------|----------------|---------|--------|--------|
| CURVE NO.  | Δ              | R       | T      | L      |
| 1          | 5° 28' 6.67"   | 532.47' | 25.43' | 50.82' |
| 2          | 5° 08' 51.35"  | 400.00' | 17.98' | 35.94' |
| 3          | 16° 42' 30.56" | 250.00' | 36.71' | 72.90' |
| 4          | 6° 45' 10.44"  | 541.00' | 31.92' | 63.76' |
| 5          | 9° 35' 46.20"  | 459.00' | 38.53' | 76.88' |
| 6          | 91° 43' 36.80" | 30.00'  | 30.92' | 48.03' |

BELTLINE ROAD

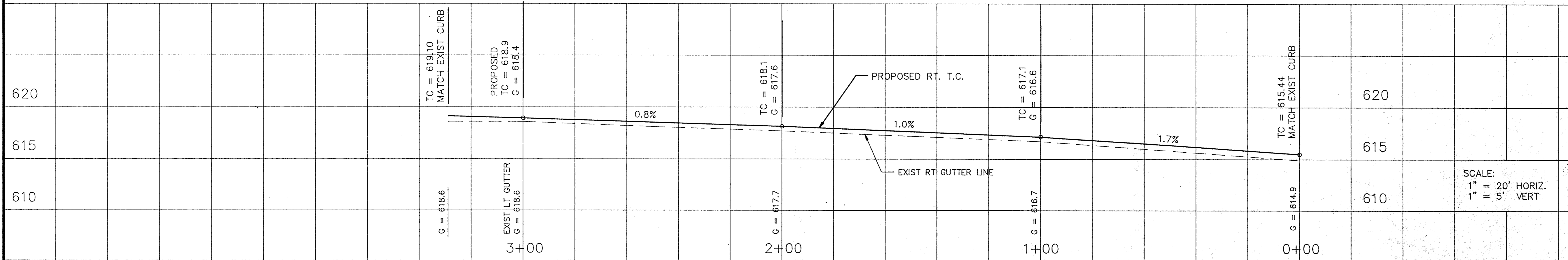
MONTFORT DRIVE



NOTE: JOINTS IN NEW PAVEMENT SHALL MATCH JOINTS IN EXISTING PAVEMENT.

NOTE: EXISTING LOOP DETECTORS TO BE CUT AND LEFT IN PLACE. INSTALL NEW LOOP DETECTORS AS DIRECTED BY CITY OF DALLAS. CONTACT JIM EASLER AT CITY OF DALLAS SIGNAL CONSTRUCTION FOR COORDINATION. (Phone 670-4812)

BENCHMARK: TOP OF CURB, NORTH END OF MEDIAN NOSE ON MONTFORT DRIVE AT SOUTH LINE OF BELT LINE ROAD. ELEV. 621.18



SCALE:  
1" = 20' HORIZ.  
1" = 5' VERT

Revisions

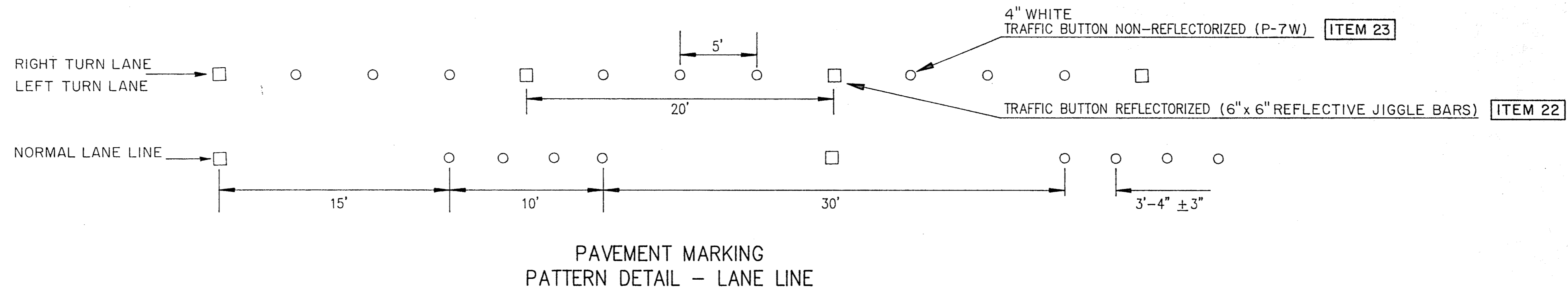
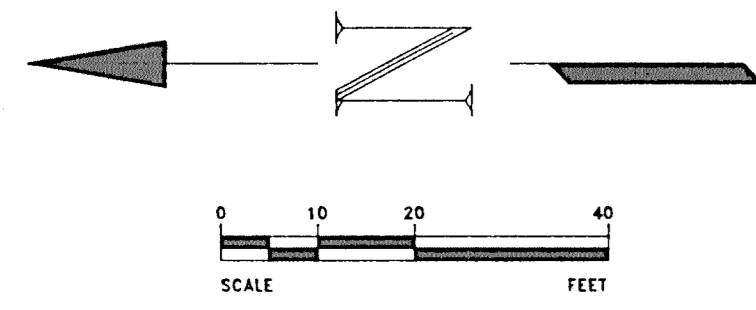
| No. | Date | App. |
|-----|------|------|
|     |      |      |

**Barton-Aschman Associates, Inc.**

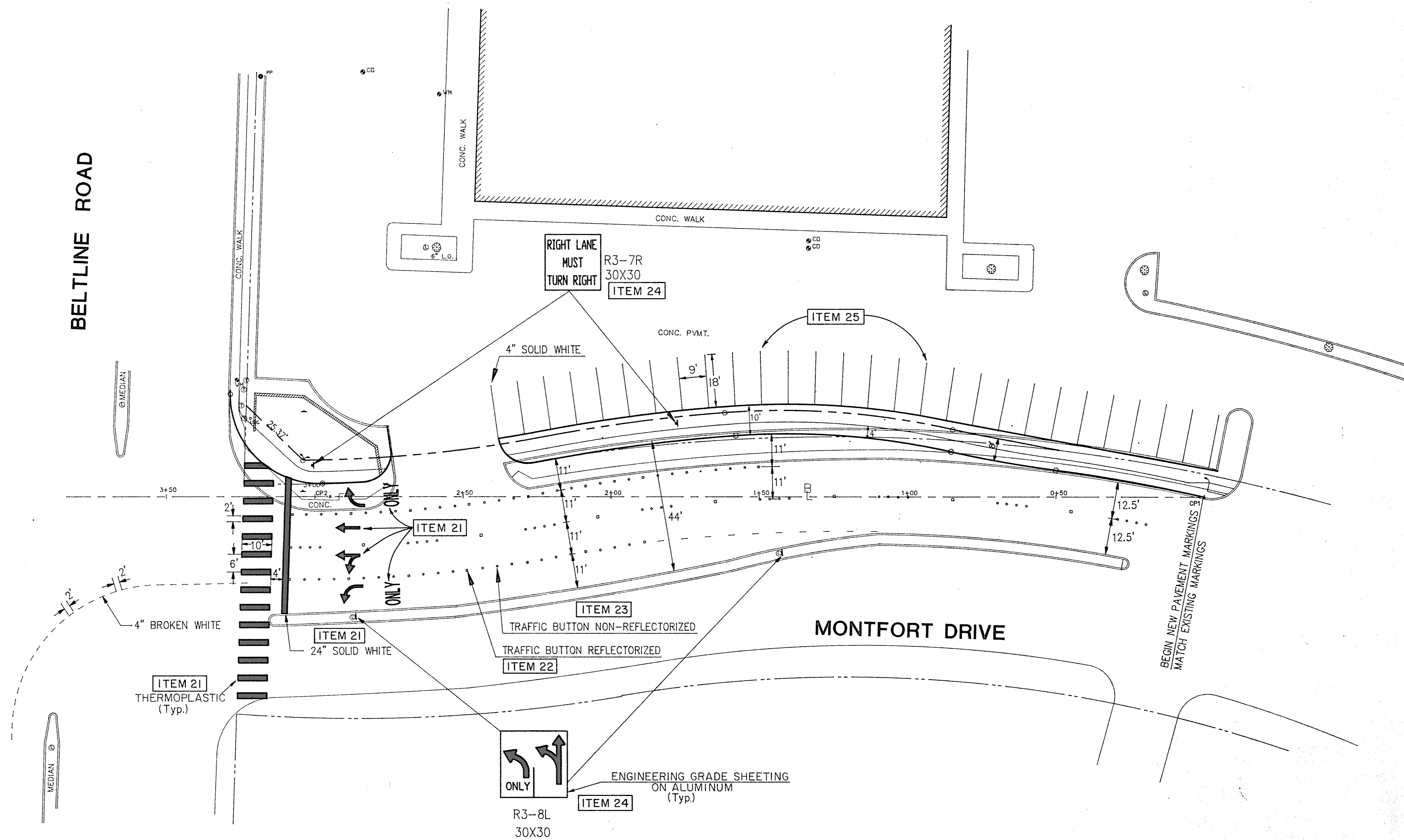
PROPOSED RIGHT TURN LANE

TOWN OF ADDISON, TEXAS  
BELT LINE RD./MONTFORT

Date: 01/17/92  
Designed by: G.D. JOST  
Drawn by: L.J. MATTHEWS  
Checked by: L.M. POND  
Approved by: XXXXXXXXXX  
Project No: 166314.01  
File Name: PROPOSED



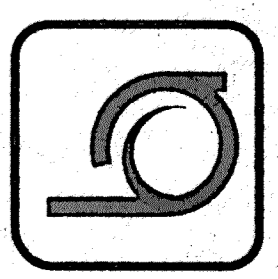
BELTLINE ROAD



MONTFORT DRIVE

| No. | Date | Revisions | App. |
|-----|------|-----------|------|
|     |      |           |      |

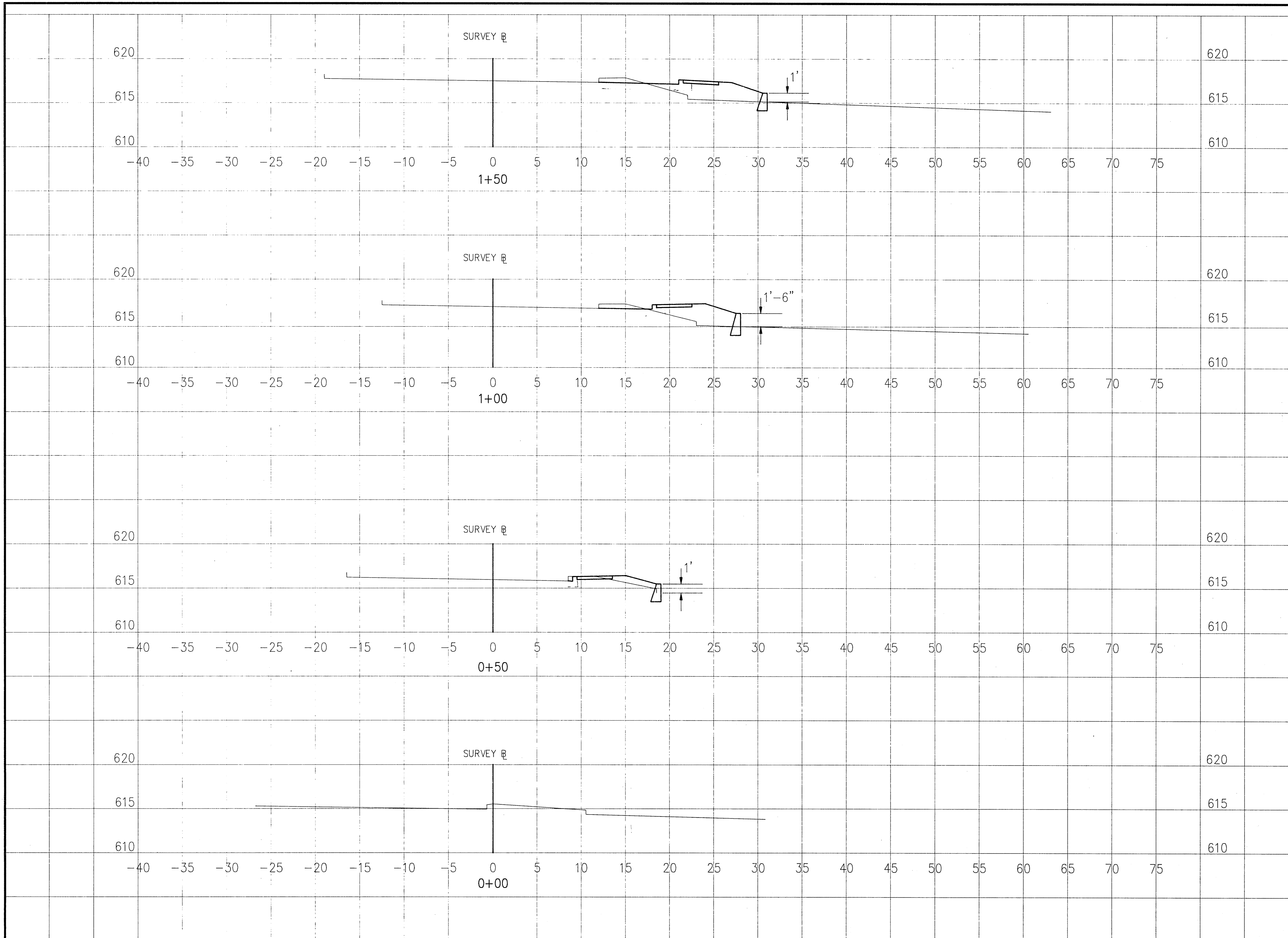
**Barton-Aschman**  
Associates, Inc.



**SIGNING AND PERMANENT  
PAVEMENT MARKINGS**

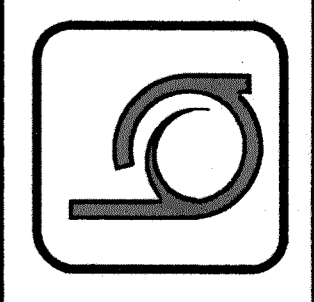
**TOWN OF ADDISON, TEXAS  
BELT LINE RD./MONTFORT**

Scale: 1"=20'  
Date: 01/07/92  
Designed by: G.D. JOST  
Drawn by: L.J. MATTHEWS  
Checked by: L.M. POND  
Approved by: XXXXXXXXXX  
Project No: 1663-14-01  
File Name: SIGNING



SCALE:  
 H - 1" = 5'  
 V - 1" = 5'

| No. | Date | Revisions | App. |
|-----|------|-----------|------|
|     |      |           |      |



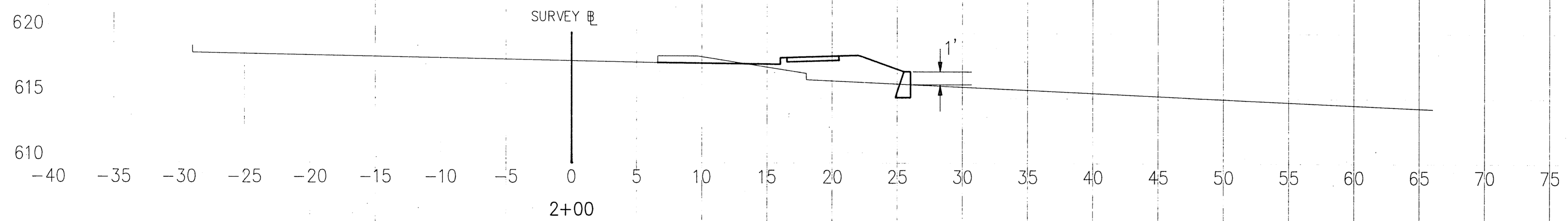
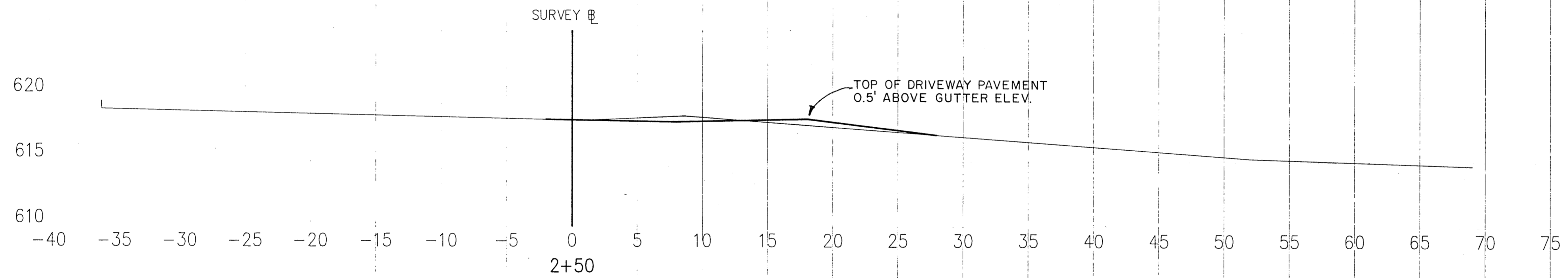
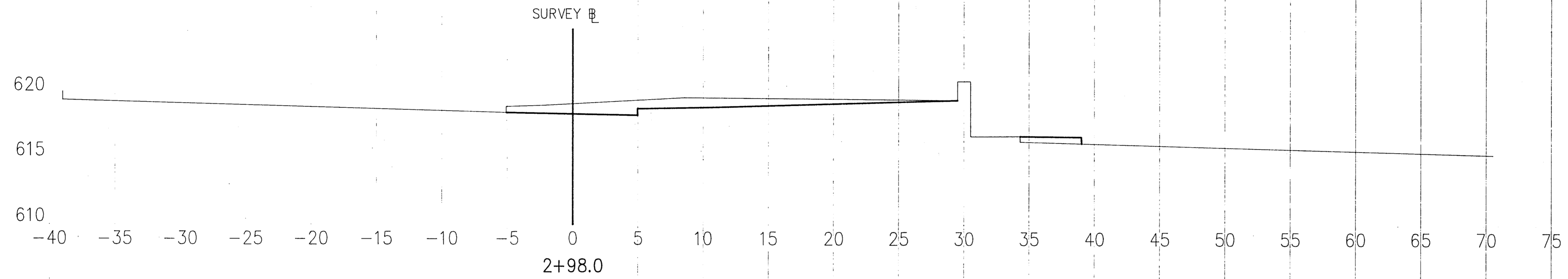
**Barton-Aschman  
 Associates, Inc.**

**CROSS SECTIONS  
 STA. 0+00 - STA. 1+50**

**TOWN OF ADDISON, TEXAS  
 BELT LINE RD./MONTFORT**

Scale: Date: 1/14/92  
 Designed by: L.M. POND  
 Drawn by: L.J. MATTHEWS  
 Checked by: XXXXXXXXXXXX  
 Approved by: XXXXXXXXXXXX  
 Project No: 1663.14.01  
 File Name: SECTION

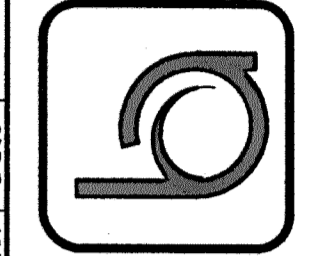
SHEET  
**12**  
 OF **13**



SCALE:

H - 1" = 5'  
V - 1" = 5'

|     |      |           |      |
|-----|------|-----------|------|
| No. | Date | Revisions | App. |
|     |      |           |      |
|     |      |           |      |



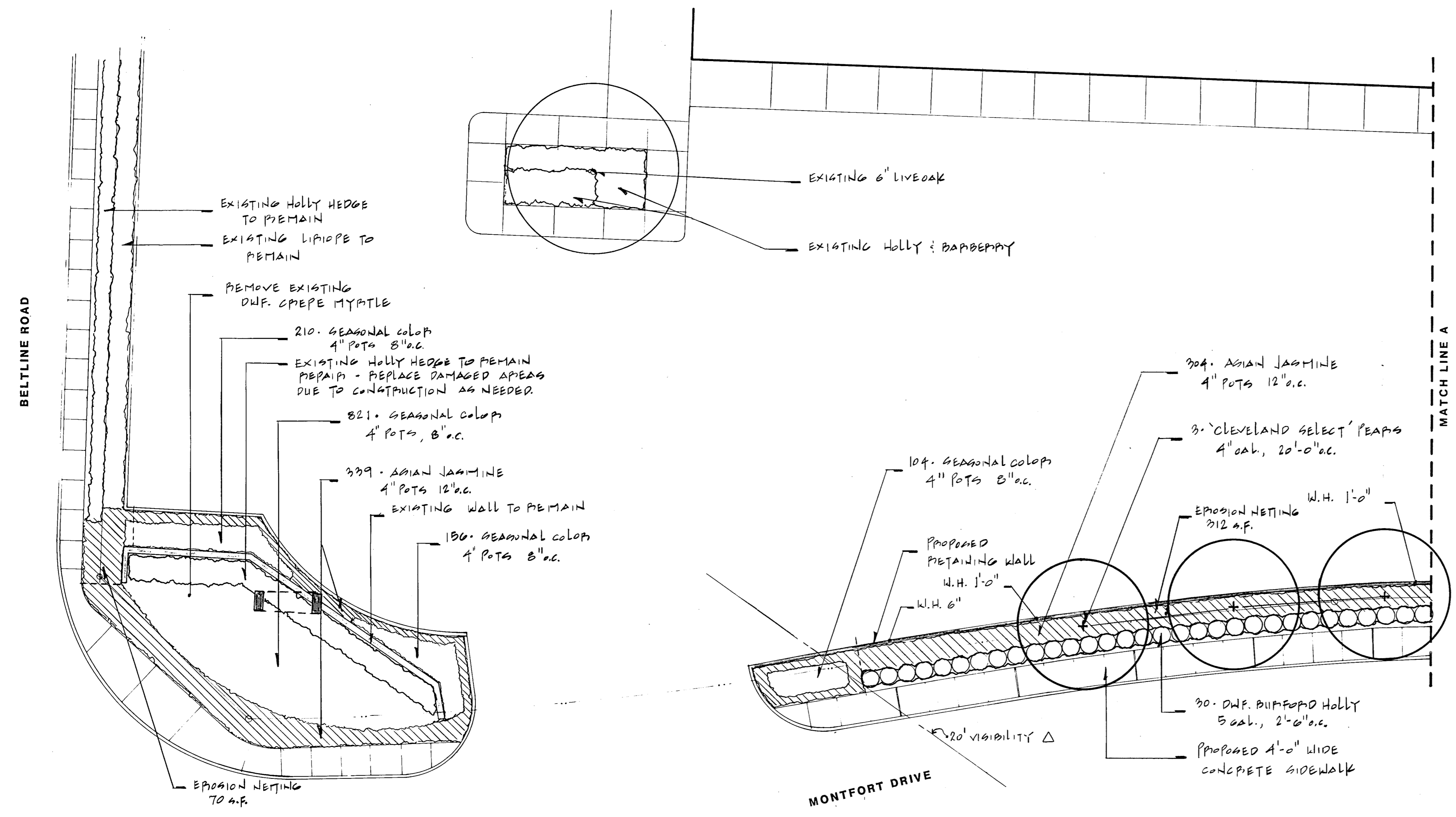
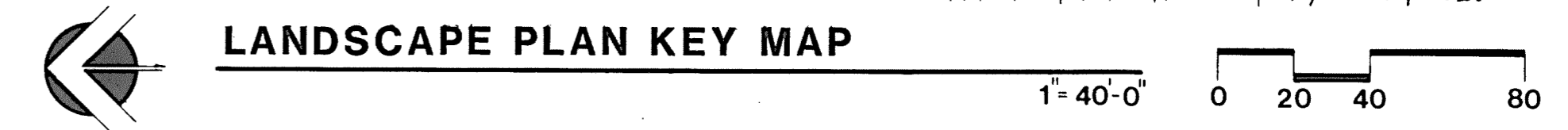
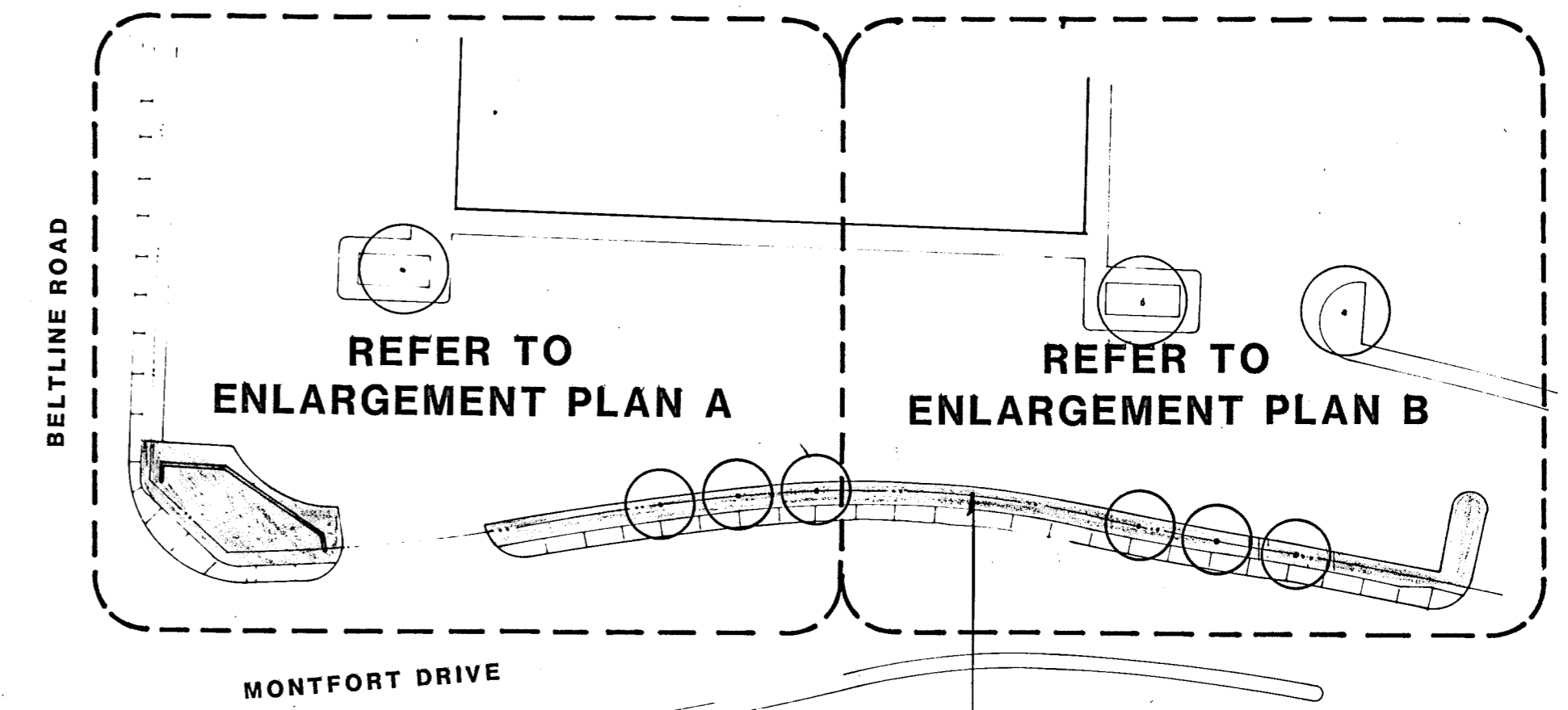
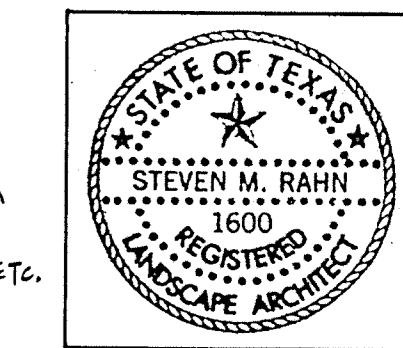
**Barton-Aschman  
Associates, Inc.**

**CROSS SECTIONS  
STA. 2+00 - STA. 2+98.00**

**TOWN OF ADDISON, TEXAS  
BELT LINE RD./MONTFORT**

|                           |               |
|---------------------------|---------------|
| Scale:                    | Date: 1/13/92 |
| Designed by: L.M. POND    |               |
| Drawn by: L.J. MATTHEWS   |               |
| Checked by: XXXXXXXXXXXX  |               |
| Approved by: XXXXXXXXXXXX |               |
| Project No: 1663.14.01    |               |
| File Name: SECTION2       |               |

SHEET  
**13**  
OF 13



**ENLARGEMENT PLAN A**  
1" = 10'-0"  
0 5 10 20

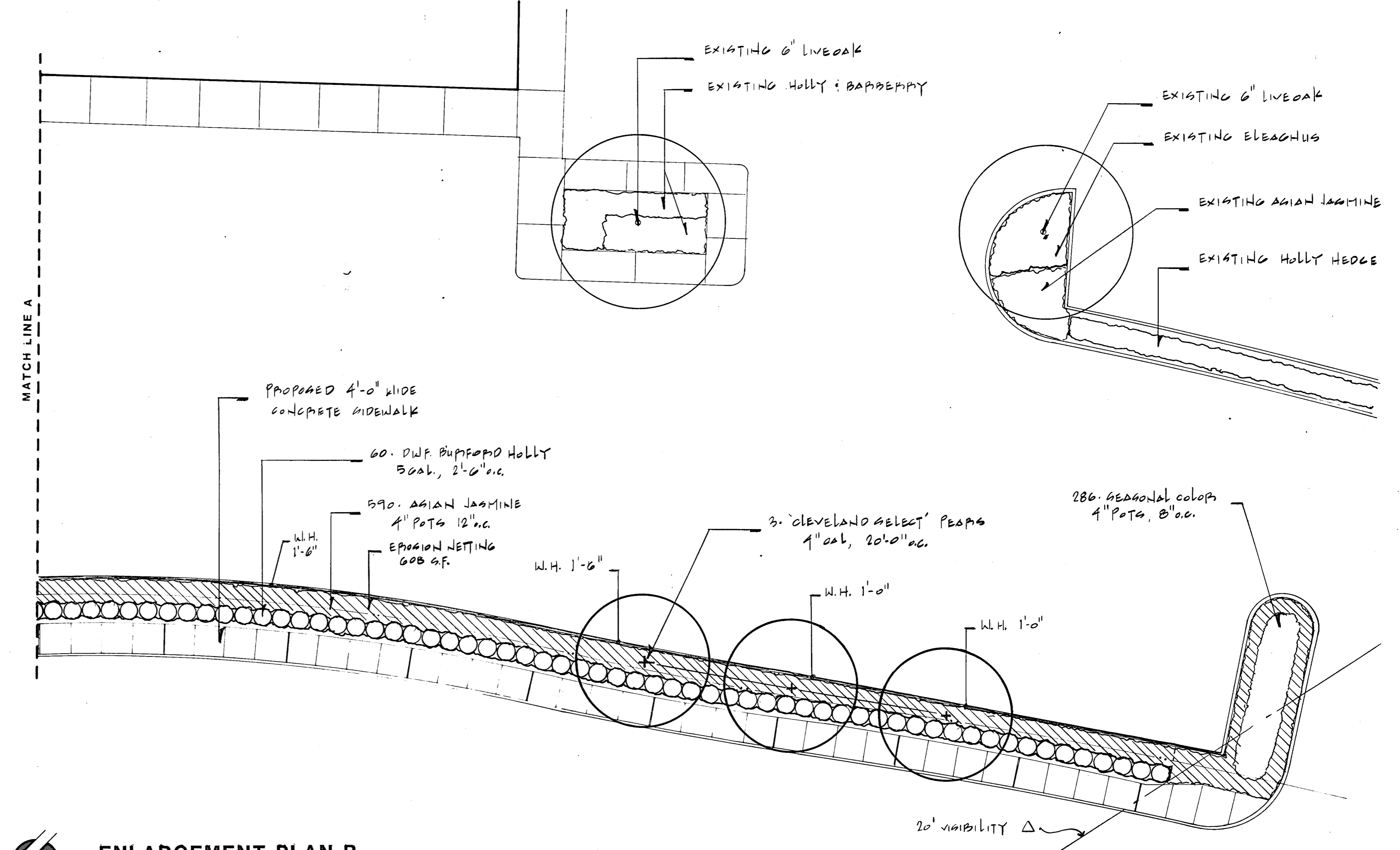
**PLANT LIST**

| BOTANICAL NAME                      | COMMON NAME           | QUANTITY | SIZE    | REMARKS                          |
|-------------------------------------|-----------------------|----------|---------|----------------------------------|
| <i>Ilex cornuta 'burfordii'</i>     | Dwarf Burford Holly   | 90       | 5 gal.  | cont. full 20' spread            |
| <i>Pyrus calleryana 'Cleveland'</i> | Cleveland Select Pear | 6        | 4" cal. | cont. 15' ht. 5' spread matching |
| <i>Trachelospermum asiaticum</i>    | Asian Jasmine         | 1233     | 4" pots | cont. 3 runners min.             |
|                                     | Seasonal Color        | 1577     | 4" pots | cont. selection by Owner         |

\* NOTE: Plant list is an aid to bidders only. Verify all quantities on plan.

**LANDSCAPE NOTES**

- Contractor shall verify locations of all existing and proposed site elements and notify Architect of any discrepancies. Survey data of existing conditions was provided by others.
- Contractor shall locate all existing underground utilities and notify Architect of any conflicts. Contractor shall exercise caution when working in the vicinity of underground utilities.
- Contractor is responsible for obtaining all required landscape and irrigation permits.
- Contractor to provide a minimum 2% slope away from all structures.
- All planting beds and lawn areas to be separated by steel edging.
- All landscape areas to be 100% irrigated with an underground automatic irrigation system.
- Landscape contractor shall submit 'as built' drawings at the completion of the project.
- Landscape areas must be permanently maintained in a healthy growing condition at all times.
- Property Owner is responsible for regular weeding, mowing of grass, irrigating, fertilizing, pruning and other permanent maintenance of all plantings as needed.
- All plant material shall be mulched with a two-inch layer of bark mulch. (refer to specifications)
- All trees shall be planted a minimum of 3'-0" away from curbs, walks, walls, structures, etc.



**ENLARGEMENT PLAN B**  
1" = 10'-0"  
0 5 10 20

**INTERSECTION IMPROVEMENTS**  
BELT LINE ROAD / MONTFORT DRIVE  
TOWN OF ADDISON

DATE: 8-13-95  
DRAWN BY: BA  
CHECKED BY: SP  
REVISIONS:

PROJECT NO. \_\_\_\_\_

