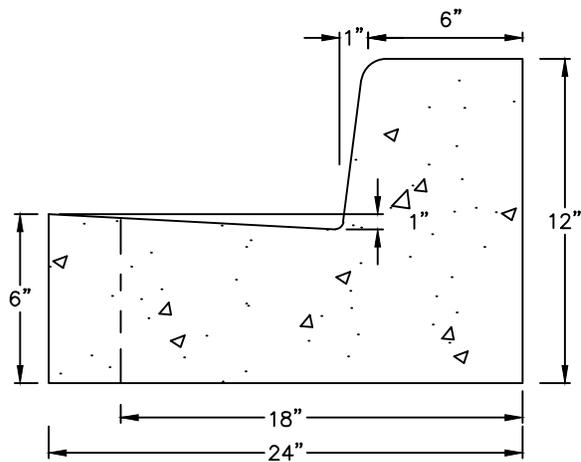


CITY OF NORTH MYRTLE BEACH STANDARD DETAILS  
ENGINEERING DIVISION



ROADWAY:

- R-1 18" OR 24" CONCRETE BARRIER CURB
- R-2 18" CONCRETE ROLL CURB
- R-3 MINIMUM STANDARD DUTY PAVEMENT
- R-4 REINFORCED CONCRETE WHEEL STOP
- R-5 EXISTING PAVEMENT OVERLAY
- R-6 HANDICAP RAMP
- R-7 LOW VOLUME RESIDENTIAL PAVEMENT REPAIR
- R-7A LOW VOLUME PAVEMENT REPAIR WITHIN SCDOT R/W
- R-7B MEDIUM VOLUME PAVEMENT REPAIR WITHIN SCDOT R/W
- R-7C HEAVY VOLUME PAVEMENT REPAIR WITHIN SCDOT R/W
- R-8 TURNED DOWN CURB
- R-9 18" OR 24" EXPULSION TYPE CURB SECTION
- R-10 24" CONCRETE ROLL CURB
- R-11 TYPICAL PARKING LOT CROSS SECTION
- R-12 FLARED TYPE HANDICAP RAMP
- R-13 HANDICAP PARKING SIGN
- R-14 SECONDARY ROAD FLOWABLE FILL PAVEMENT REPAIR
- R-14A PRIMARY ROAD FLOWABLE FILL PAVEMENT REPAIR
- R-15 PEDESTRIAN SIGNAL
- R-16 MAST ARM MOUNTING HARDWARE
- R-17 MAST ARM POLE CONCRETE FOUNDATION
- R-18 GALVANIZED STEEL SIGNAL POLE WITH MAST ARM
- R-19 GALVANIZED STEEL SIGNAL POLE WITH SPAN WIRES
- R-20 GENERAL USE TRAFFIC CONTROL AND SIGN LEGEND
- R-21 TRAFFIC CONTROL GENERAL NOTES AND SYMBOL LEGEND
- R-22 TRAFFIC CONTROL SIGNS
- R-23 TYPICAL ROADWAY SECTION MEDIUM DUTY
- R-24 TYPICAL ROADWAY SECTION HEAVY DUTY
- R-25 18" OR 24" CONCRETE BARRIER CURB
- R-26 PERVIOUS PAVEMENT IMPERVIOUS PAVEMENT
- R-27 18" EXPULSION CONCRETE ROLL CURB
- R-28 CONCRETE SIDEWALK & DRIVEWAY



NOTE: CURB TO BE 18" OR 24" AS SHOWN ON PLANS.

18" OR 24"  
CONCRETE BARRIER CURB

CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

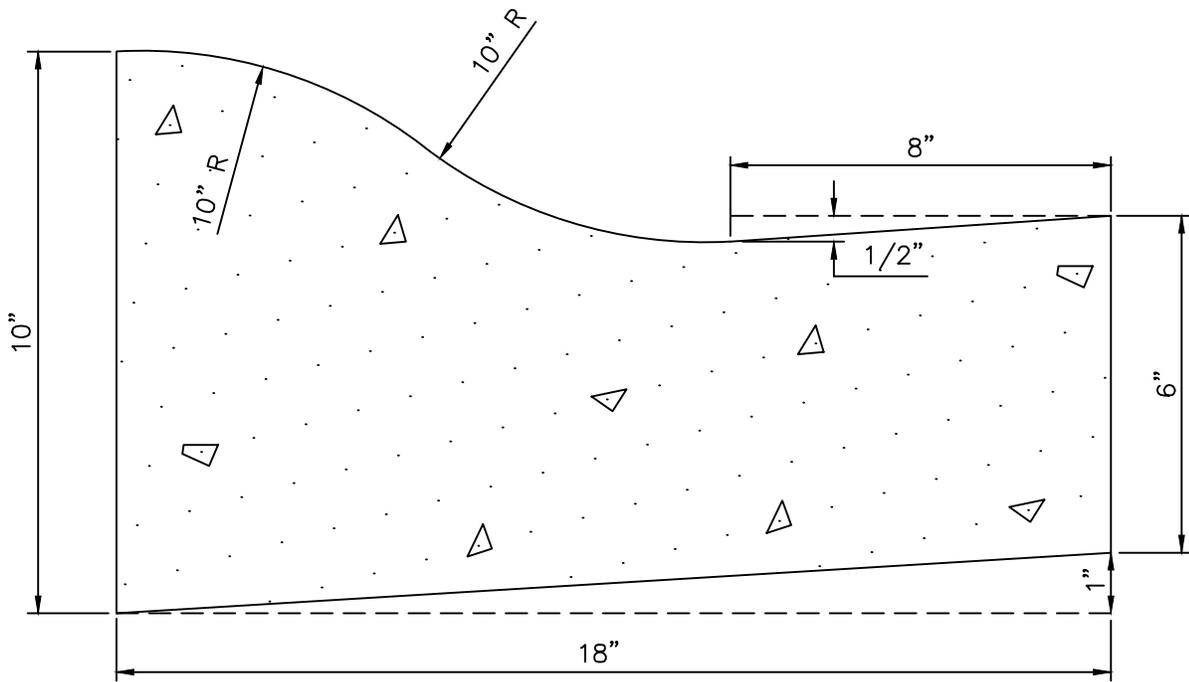
APPROVED BY: KDB  
DRAWN BY: KJG

DATE:  
10/23/03

SHEET NO.

R-1





18" CONCRETE ROLL CURB

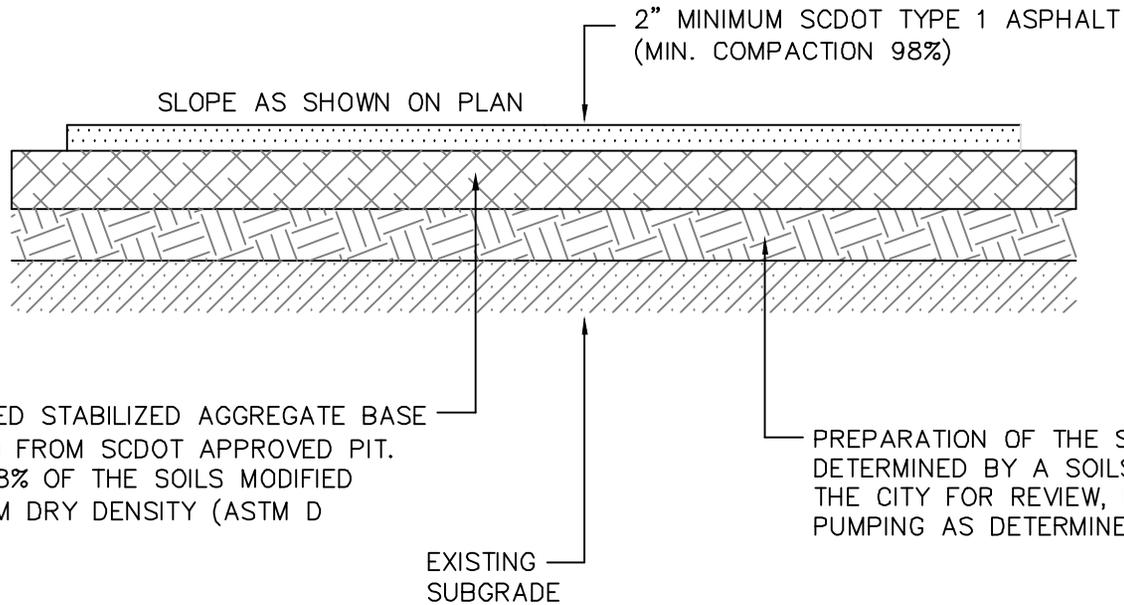
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KDB  
DRAWN BY: KJG

DATE:  
3/5/13

SHEET NO.  
R-2





MINIMUM STANDARD DUTY  
PAVEMENT- PARKING LOT

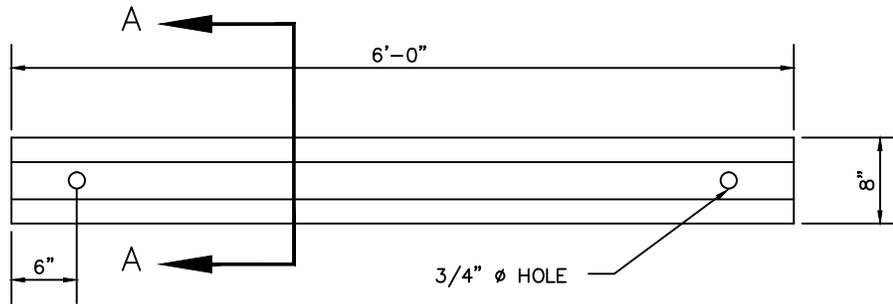
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

DATE:  
5/16/18

APPROVED BY: KDB  
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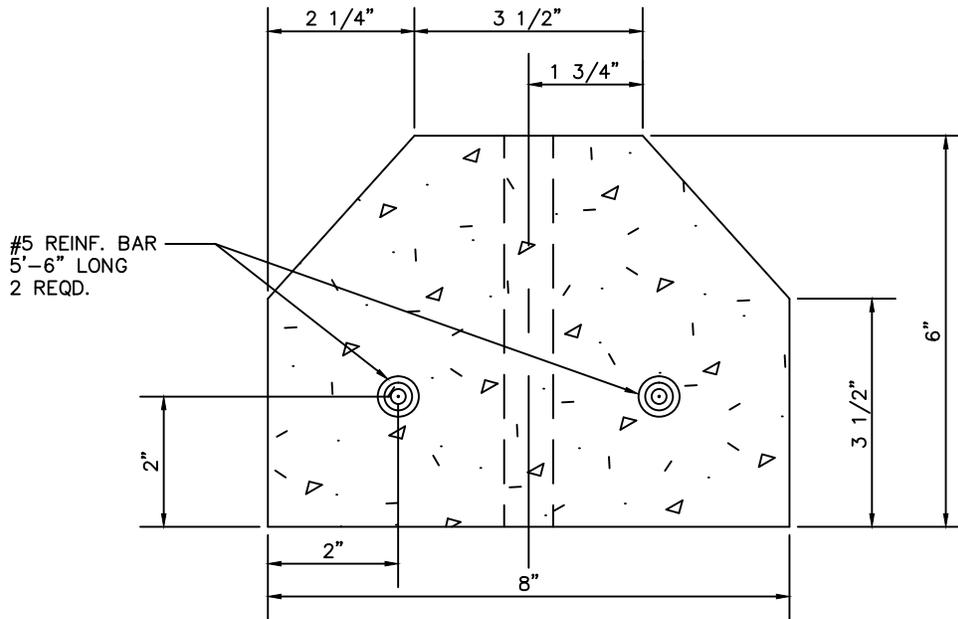
SHEET NO.  
R-3





PLAN VIEW

3/4"  $\phi$  HOLE TO BE USED FOR 2'-#4 REIN BAR TO BE INSERTED FOR ANCHORING WHEEL STOP TO PAVEMENT.



SECTION A-A

REINFORCED CONCRETE  
WHEEL STOP

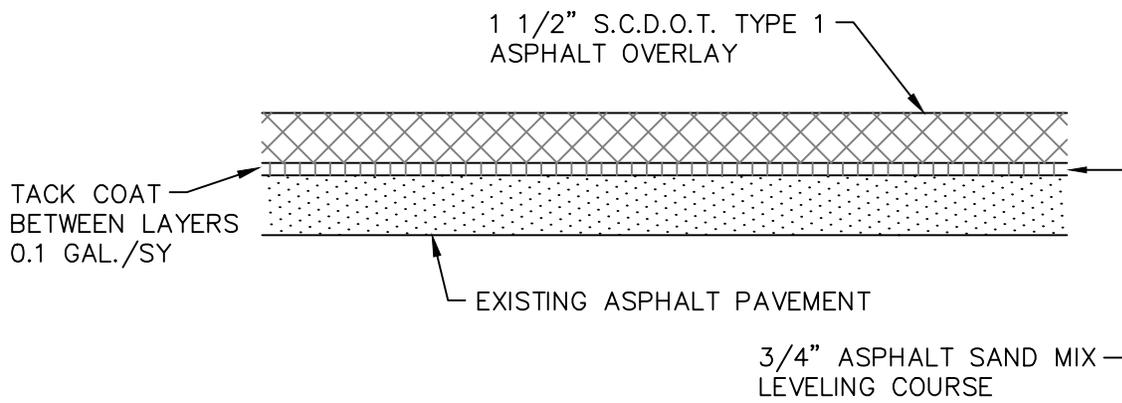
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KDB  
DRAWN BY: KJG

DATE:  
10/23/03

SHEET NO.  
R-4





EXISTING PAVEMENT OVERLAY

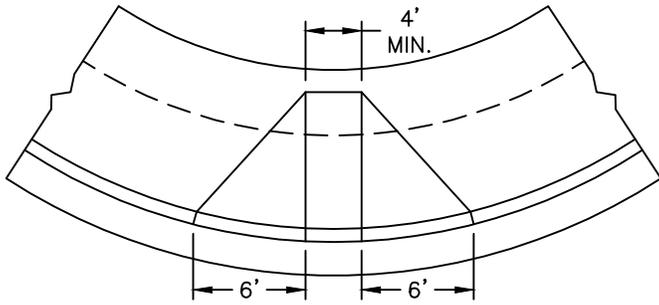
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

DATE:  
10/23/03

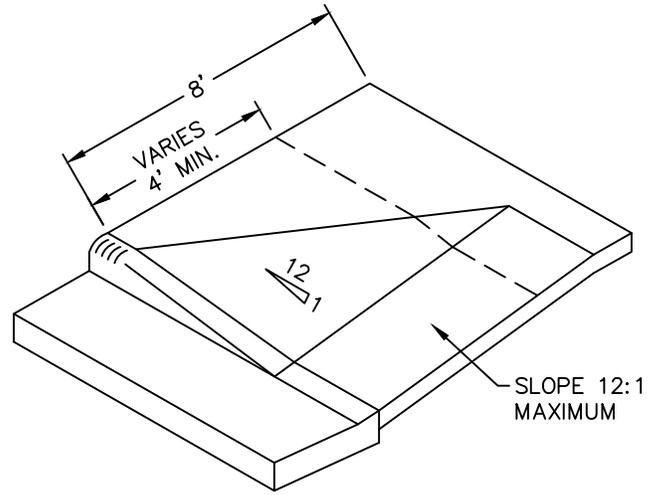
APPROVED BY: KDB  
DRAWN BY: KJG

SHEET NO.  
R-5



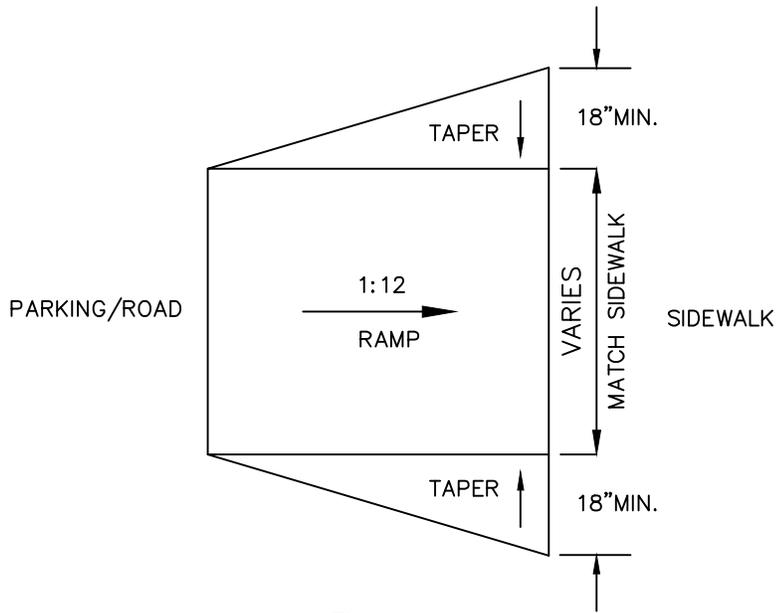


RADIAL PLAN

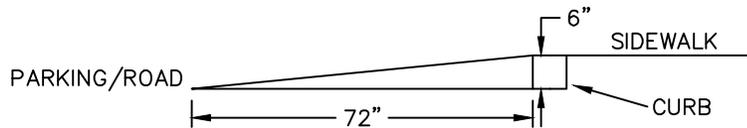


ISOMETRIC VIEW

1) DETECTABLE WARNING DEVICES SHALL BE INSTALLED PER SCDOT SPECIFICATIONS



PLAN



SECTION

HANDICAP RAMP

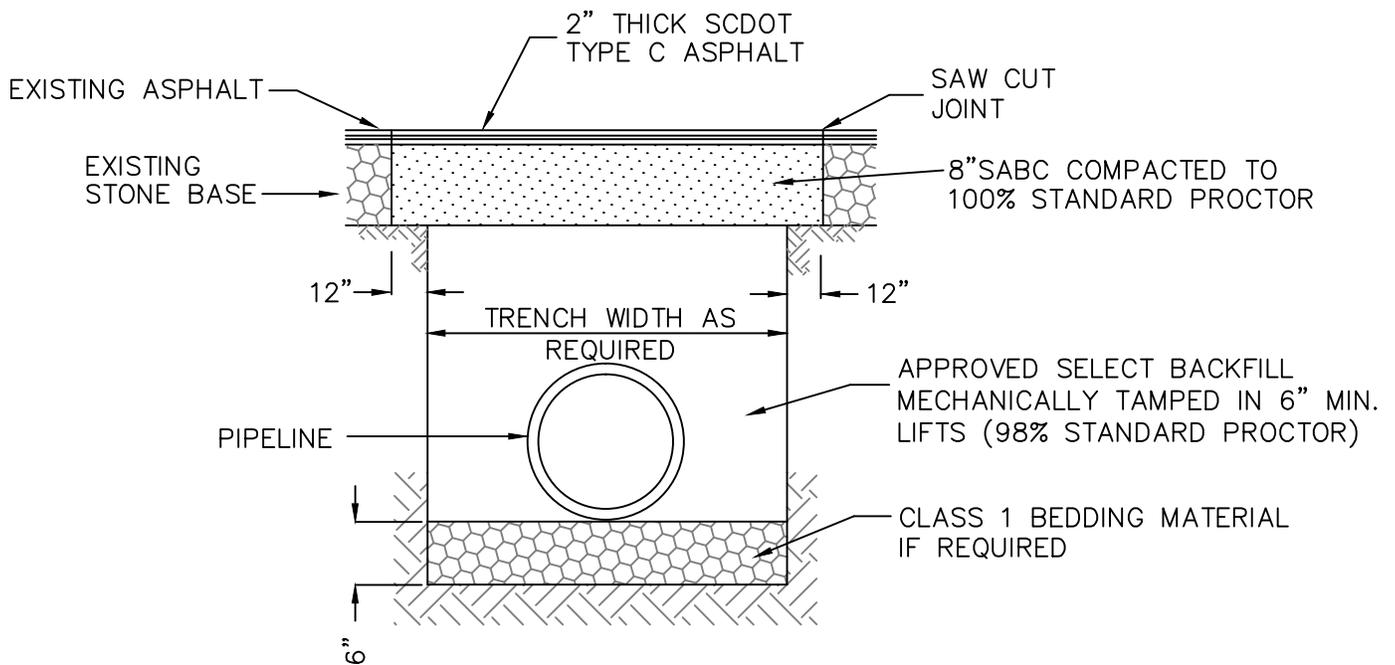
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KDB  
DRAWN BY: KJG

DATE:  
02/24/14

SHEET NO.  
R-6





1. TO BE USED FOR RESIDENTIAL ALLEYS, COMMERCIAL ALLEYS, LOCAL STREETS AND LOCAL COLLECTOR STREETS AS IDENTIFIED IN THE CITY OF NORTH MYRTLE BEACH LAND DEVELOPMENT REGULATIONS.
2. AN 1-1/2" THICK MILL AND OVERLAY USING SCDOT TYPE C ASPHALT SURFACE COURSE OVERLAY MAY BE REQUIRED WITHIN 1 YEAR OF REPAIR. (SEE HIGHWAY ENCROACHMENT) BY SCDOT.

LOW VOLUME RESIDENTIAL  
PAVEMENT REPAIR

CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

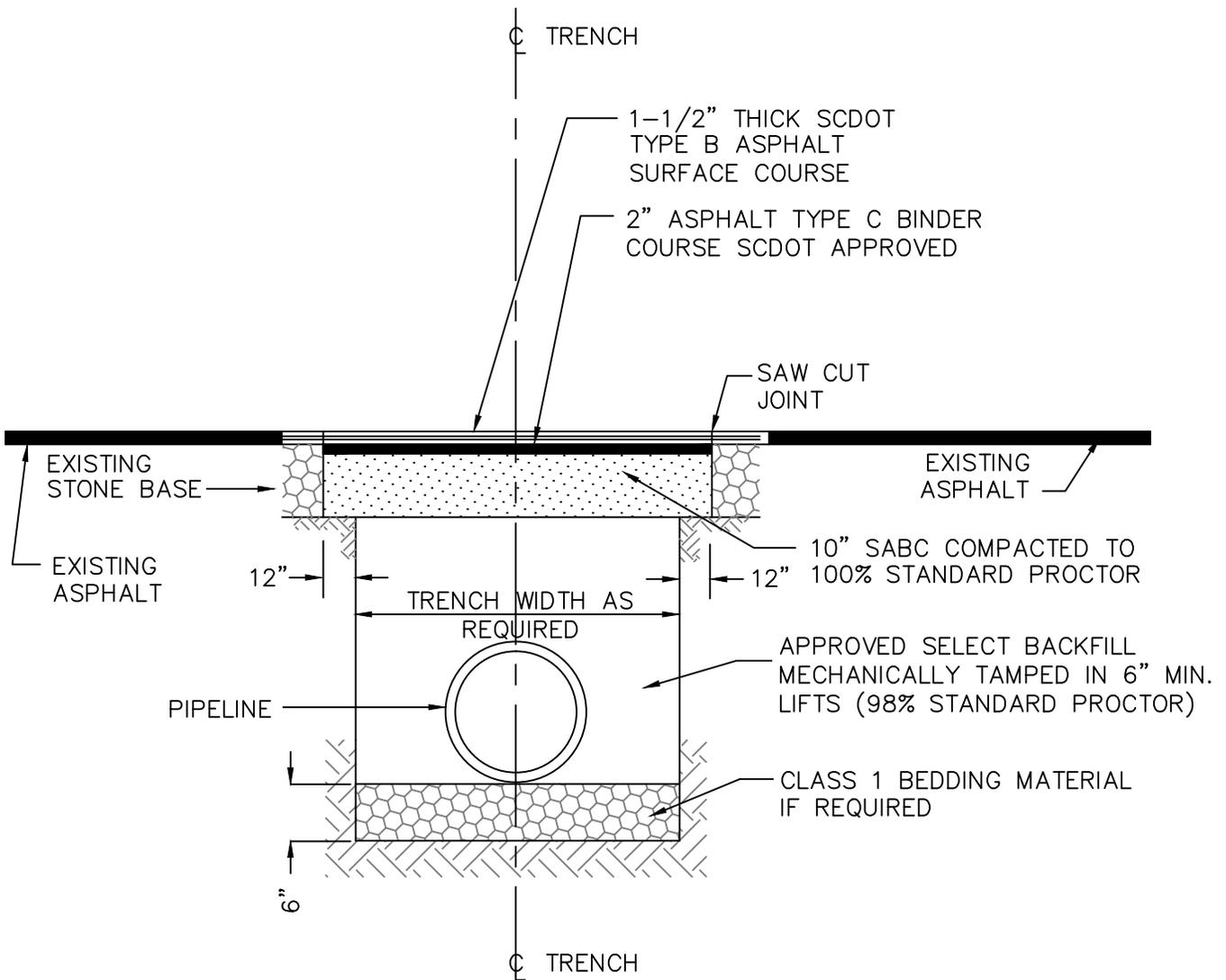
APPROVED BY: KDB  
DRAWN BY: KJG

DATE:  
2/25/14

SHEET NO.

R-7





1. TO BE USED FOR RESIDENTIAL ALLEYS, COMMERCIAL ALLEYS, LOCAL STREETS AND LOCAL COLLECTOR STREETS AS IDENTIFIED IN THE CITY OF NORTH MYRTLE BEACH LAND DEVELOPMENT REGULATIONS.
2. AN 1-1/2" THICK MILL AND OVERLAY USING SCDOT TYPE B ASPHALT SURFACE COURSE OVERLAY MAY BE REQUIRED WITHIN 1 YEAR OF REPAIR. (SEE HIGHWAY ENCROACHMENT) BY SCDOT.

LOW VOLUME  
PAVEMENT REPAIR  
WITHIN SCDOT R/W

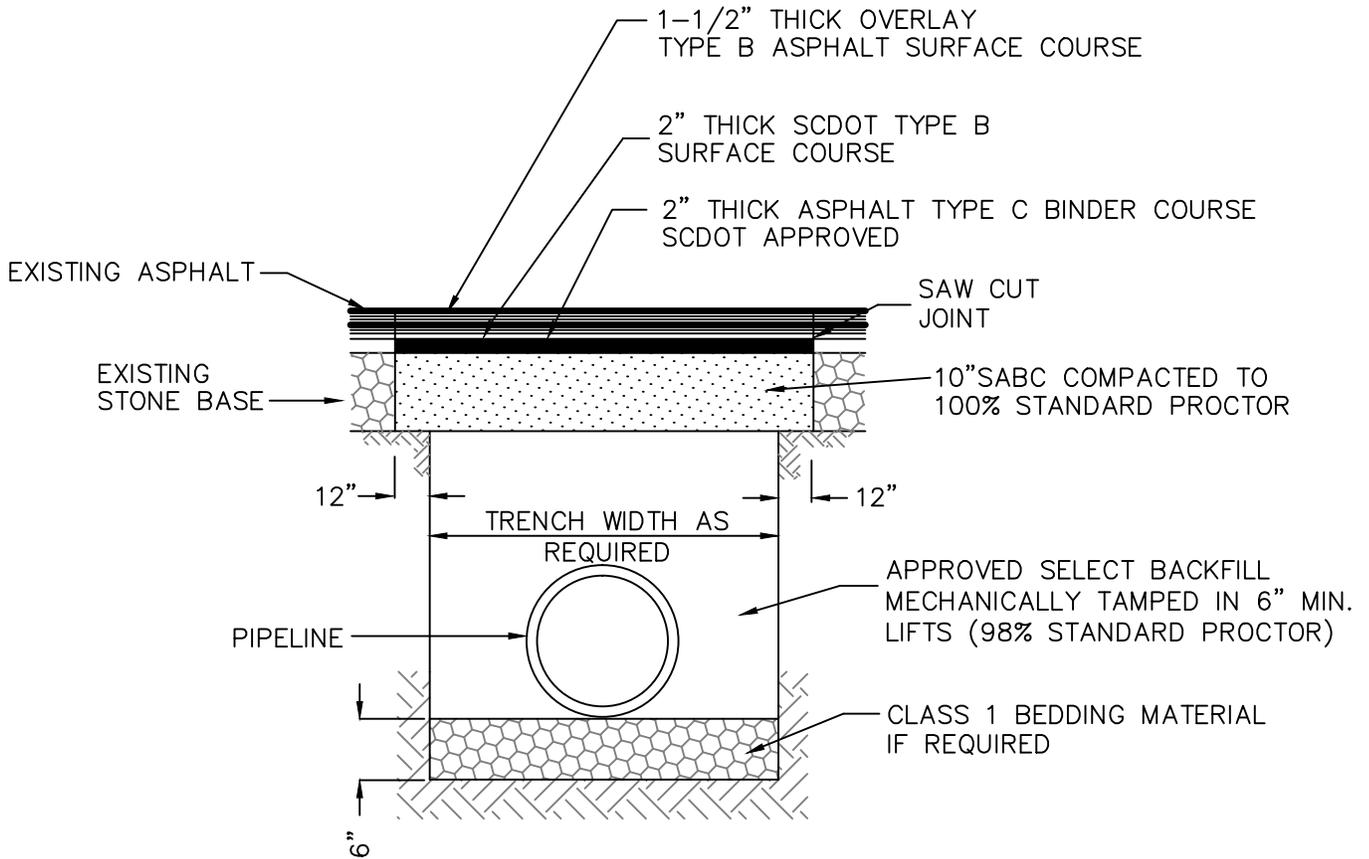
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KDB  
DRAWN BY: HRT

DATE:  
2/25/14

SHEET NO.  
R-7A





1. TO BE USED FOR AVENUE, MAIN STREET, RURAL LOCAL STREET LOCAL TRANSITIONAL STREETS AS IDENTIFIED IN THE CITY OF NORTH MYRTLE BEACH LAND DEVELOPMENT REGULATIONS.
2. AN 1-1/2" THICK SCDOT TYPE B ASPHALT SURFACE COURSE OVERLAY MAY BE REQUIRED WITHIN 1 YEAR OF REPAIR. (SEE HIGHWAY ENCROACHMENT) BY SCDOT.

MEDIUM VOLUME  
PAVEMENT REPAIR  
WITHIN SCDOT R/W

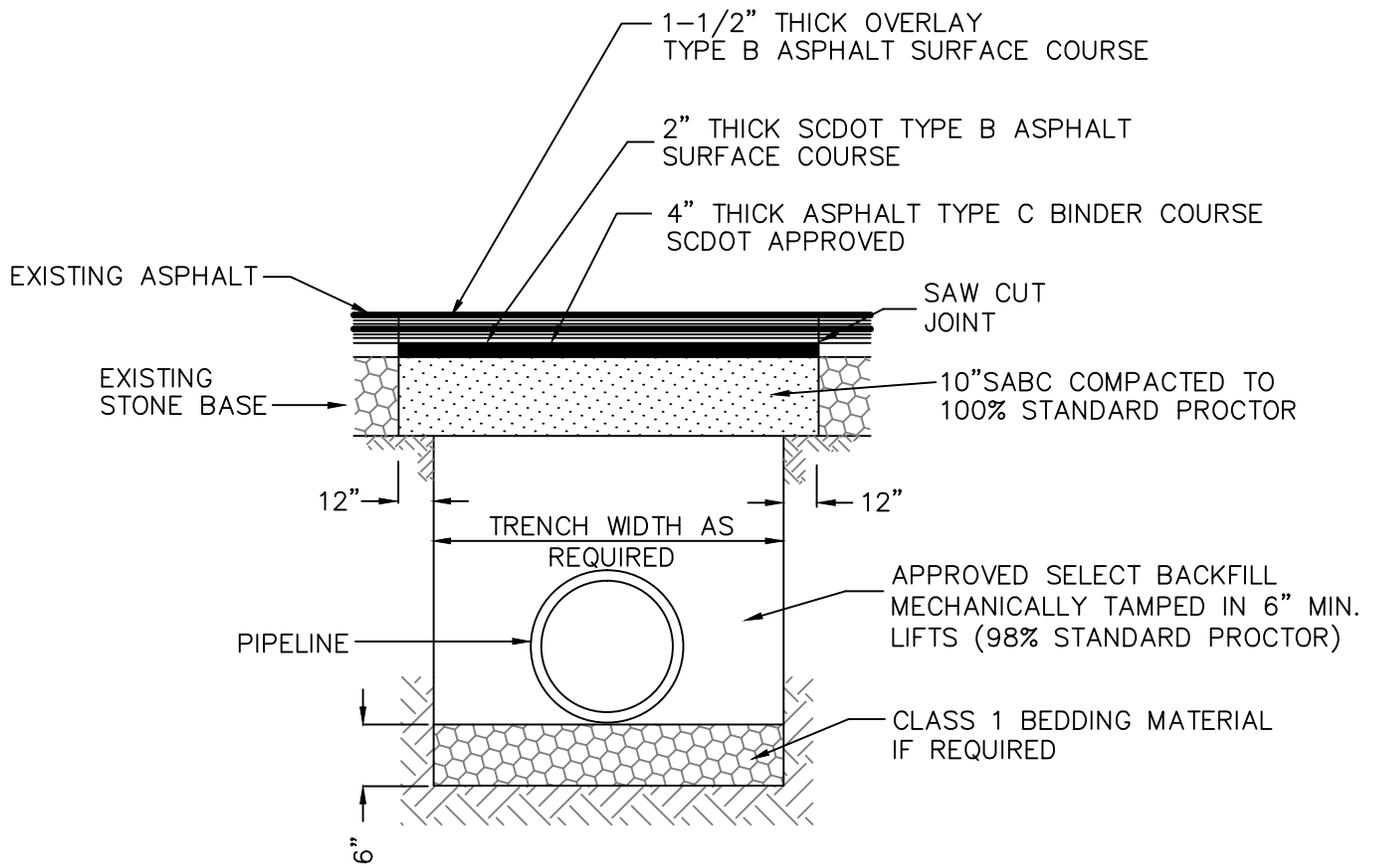
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

DATE:  
02/23/10

APPROVED BY: KDB  
DRAWN BY: HRT

SHEET NO.  
R-7B





1. TO BE USED FOR URBAN BOULEVARD, PARKWAY, AS IDENTIFIED IN THE CITY OF NORTH MYRTLE BEACH LAND DEVELOPMENT REGULATIONS.
2. AN 1-1/2" THICK SCDOT TYPE B ASPHALT SURFACE COURSE OVERLAY MAY BE REQUIRED WITHIN 1 YEAR OF REPAIR. (SEE HIGHWAY ENCROACHMENT) BY SCDOT.

HIGH VOLUME PAVEMENT REPAIR  
WITHIN SCDOT R/W

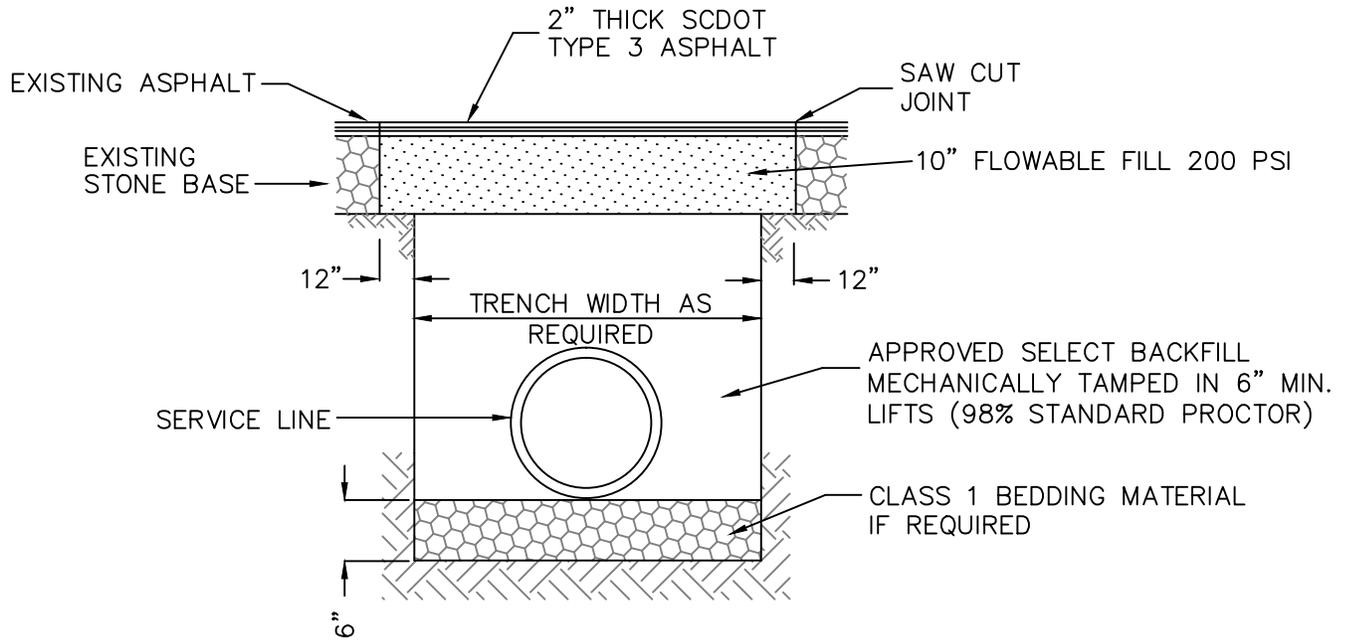
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KDB  
DRAWN BY: HRT

DATE:  
02/23/10

SHEET NO.  
R-7C





PAVEMENT REPAIR  
W/ FLOWABLE FILL

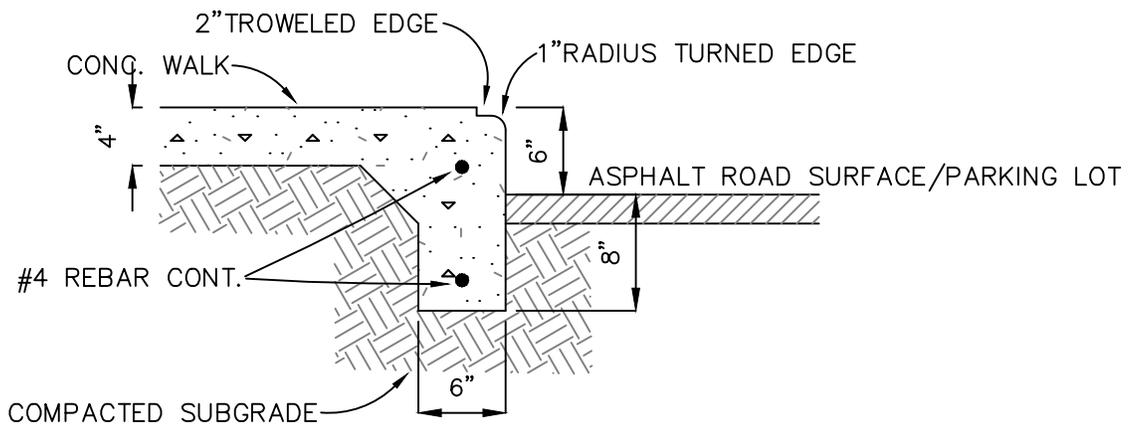
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KDB  
DRAWN BY: HRT

DATE:  
8/19/09

SHEET NO.  
R-7D





TURNED DOWN CURB

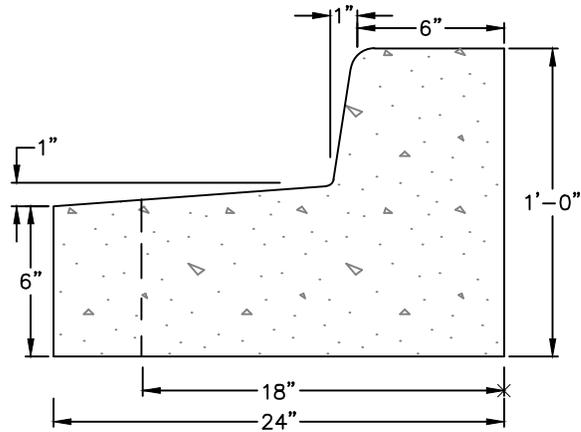
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

DATE:  
10/23/03

APPROVED BY: KDB  
DRAWN BY: KJG

SHEET NO.  
R-8





18" OR 24"  
EXPULSION TYPE CURB SECTION

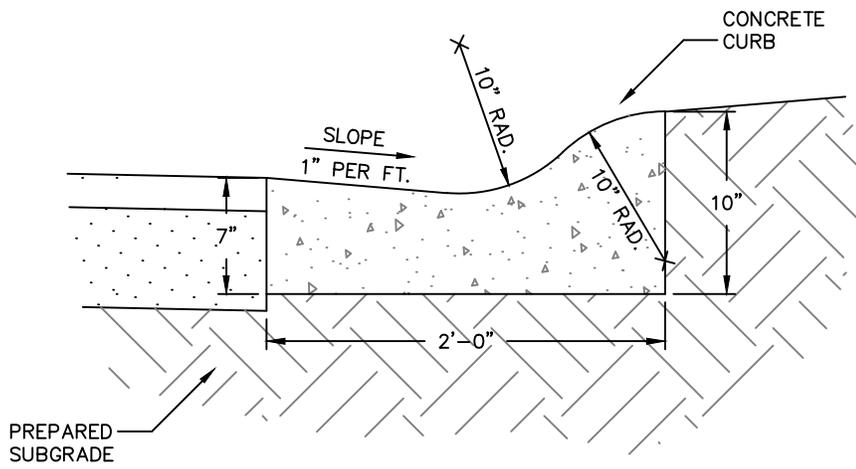
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KDB  
DRAWN BY: KJG

DATE:  
10/23/03

SHEET NO.  
R-9





24" CONCRETE ROLL CURB

CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

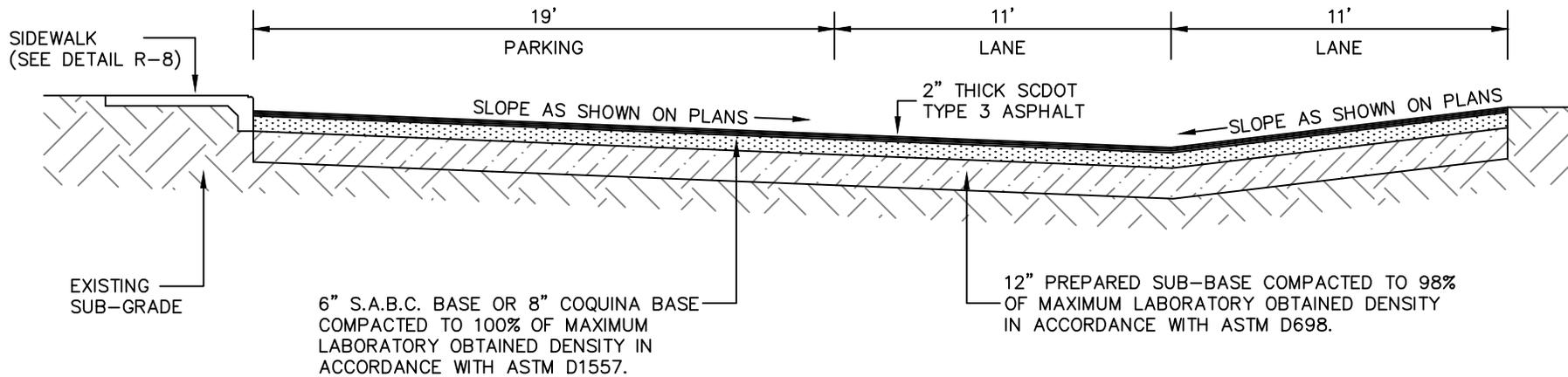
DATE:  
3/5/13

APPROVED BY: KDB  
DRAWN BY: KJG

SHEET NO.  
R-10



NOTE:  
 IN AREA OF DOUBLE LOADED PARKING  
 THERE SHALL BE A 1.00% CROSS SLOPE  
 FROM CENTER LINE TO FACE OF SIDEWALK  
 OR EDGE OF PAVEMENT.



NOTE: LONGITUDINAL SLOPE SHALL BE AS SHOWN  
 ON GRADING AND DRAINAGE PLAN.

TYP. PARKING LOT CROSS SECTION

CITY OF NORTH MYRTLE BEACH  
 ENGINEERING DIVISION

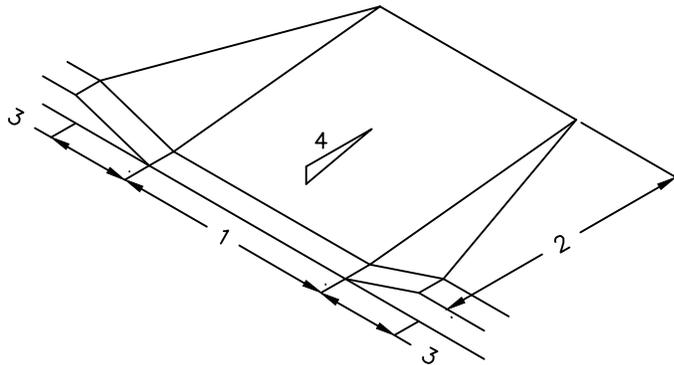
APPROVED BY: KDB  
 DRAWN BY: KJG

DATE:  
 10/23/03

SHEET NO.  
 R-11



1. RAMP WIDTH: 48" MINIMUM
2. RAMP LENGTH: 72" FOR 6" CURB RISE
3. FLARED SIDE: 18" MINIMUM
4. FLARED SIDE: 18" MINIMUM
5. DETECTABLE WARNING DEVICES SHALL BE INSTALLED PER SCDOT SPECIFICATIONS



FLARED TYPE  
HANDICAPPED RAMP

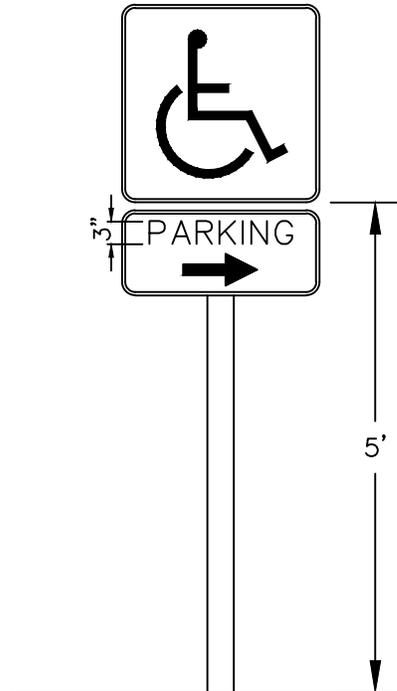
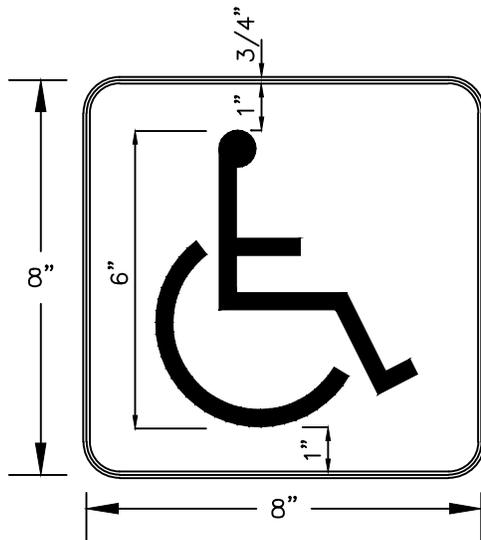
CITY OF N. MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KB  
DRAWN BY: TED

DATE:  
02/24/14

SHEET NO.  
R-12





COLOR: WHITE (REFLECTIVE) ON BLUE BACKGROUND, OR  
WITHOUT BORDER, BLUE ON WHITE BACKGROUND.

LOCATION: HANDICAPPED PARKING SIGNS SHALL BE  
LOCATED 4 FT. ON CENTER FROM THE WHEEL STOP.

HANDICAP PARKING SIGN

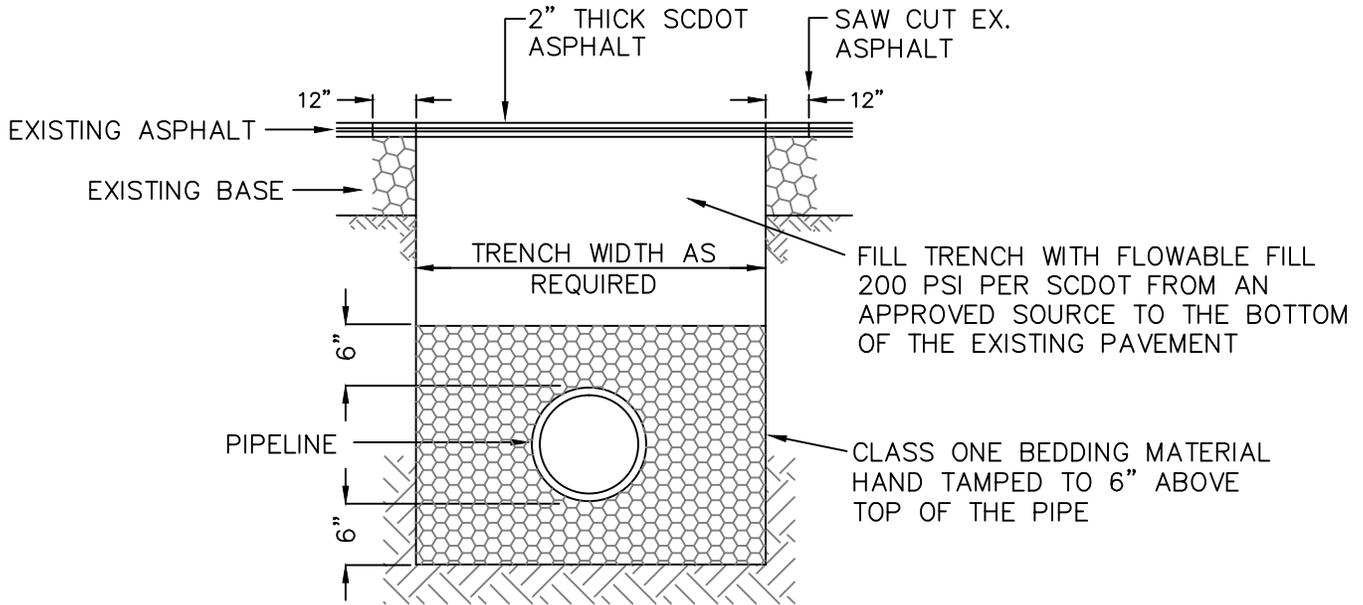
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

DATE:  
2/14/08

APPROVED BY: KDB  
DRAWN BY: KJG

SHEET NO.  
R-13





NOTES:

1. FLOWABLE FILL MAY BE USED AS A TEMPORARY RIDING SURFACE IF A PERMANENT SURFACE COURSE IS TO BE PAVED AT A LATER DATE.
2. PROTECT FLOWABLE FILL IN TRENCH UNTIL IT HAS SETUP SUFFICIENTLY TO SUPPORT TRAFFIC ( 8 TO 12 HOURS DEPENDING ON CONDITIONS) USE STEEL ROAD PLATES TO BRIDGE OVER THE TRENCH IF TRAFFIC MUST BE ALLOWED ON THE TRENCH BEFORE THE FLOWABLE FILL HAS SETUP ADEQUATELY.
3. SCDOT TYPE C ASPHALT FOR SECONDARY ROADS AND SCDOT TYPE B ASPHALT FOR PRIMARY ROADS. SHALL BE USED FOR SURFACE COURSE.

FLOWABLE FILL  
PAVEMENT REPAIR

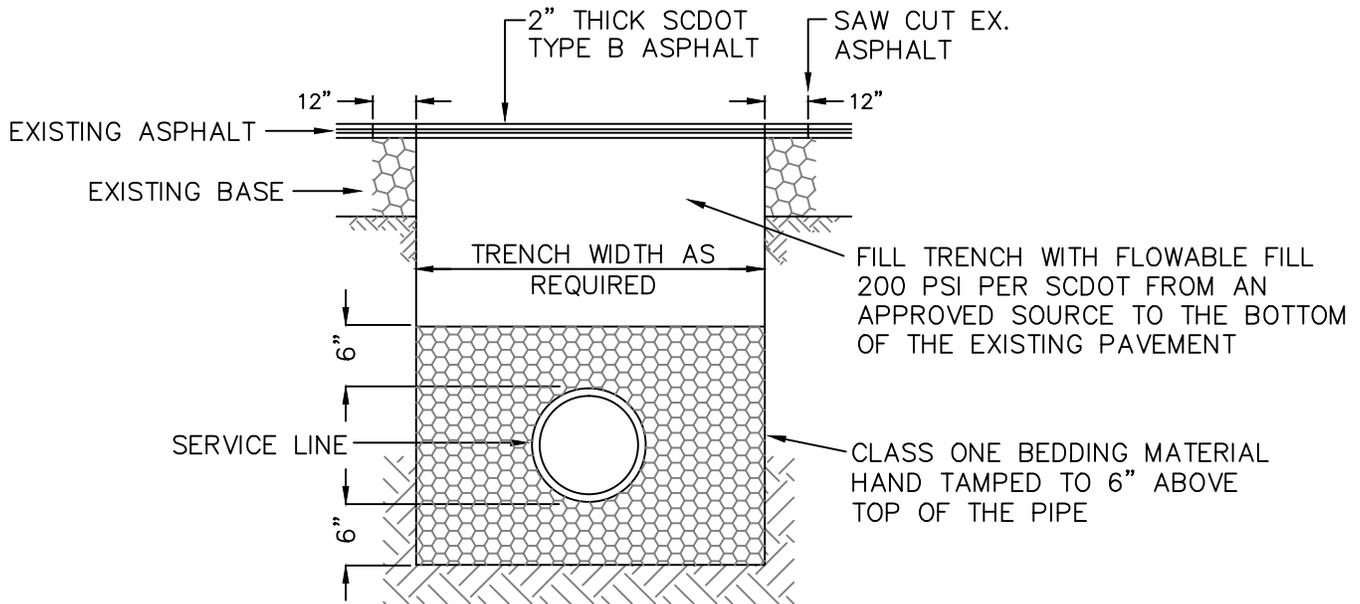
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KDB  
DRAWN BY: KJG

DATE:  
02/23/10

SHEET NO.  
R-14





NOTES:

1. FLOWABLE FILL MAY BE USED AS A TEMPORARY RIDING SURFACE IF A PERMANENT TOP SECTION IS TO BE PAVED AT A LATER DATE.
2. PROTECT FLOWABLE FILL IN TRENCH UNTIL IT HAS SETUP SUFFICIENTLY TO SUPPORT TRAFFIC (USUALLY 8 TO 12 HOURS DEPENDING ON CONDITIONS) USE STEEL ROAD PLATES TO BRIDGE OVER THE TRENCH IF TRAFFIC MUST BE ALLOWED ON THE TRENCH BEFORE THE FLOWABLE FILL HAS SETUP ADEQUATELY.

PRIMARY ROAD  
FLOWABLE FILL  
PAVEMENT REPAIR

CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

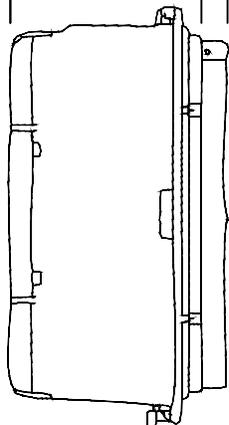
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DATE:  
08/19/09

SHEET NO.  
R-14A



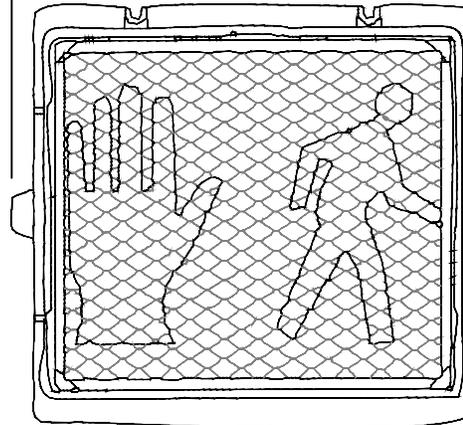
9.31"  
8.25"



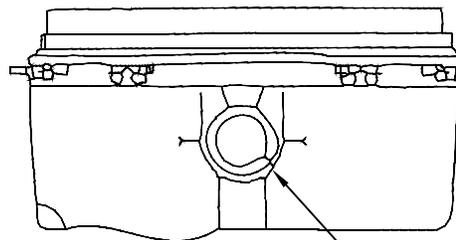
SWING DOWN DOOR  
WITH SUNSCREEN VISOR



19.84"  
18.90"



17.54"



2" OPENING W/SHURLOCK

PEDESTRIAN SIGNAL

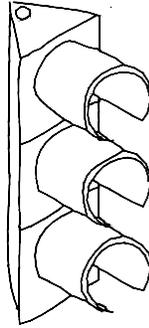
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

DATE:  
10/23/03

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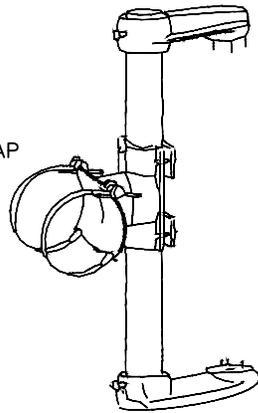
SHEET NO.  
R-15





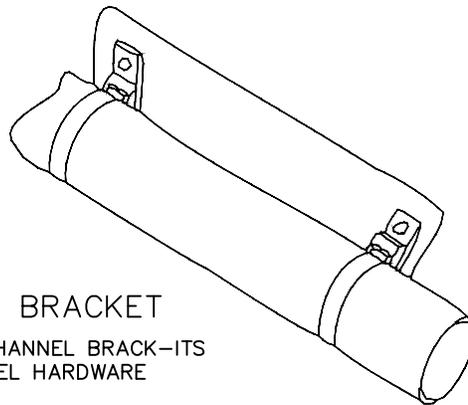
SIGNAL HEAD

SIGNAL HEAD MOUNTING BRACKET  
ALUMINUM TUBE WITH STAINLESS STEEL HARDWARE



STAINLESS STEEL STRAP

NOTES:  
SIGNAL CABLE SHALL BE SPLICE-FREE.  
CONNECTIONS SHALL BE MADE AT SIGNAL  
HEAD TERMINAL STRIPS.  
BRACKETS TO BE FINISHED (PAINTED) TO  
MATCH THE POLE/ARM.  
RIGID MOUNTING IS REQUIRED.



SIGN MOUNTING BRACKET  
BANDED-ON ALUMINUM CHANNEL BRACK-ITS  
WITH STAINLESS STEEL HARDWARE

MAST ARM MOUNTING HARDWARE

CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

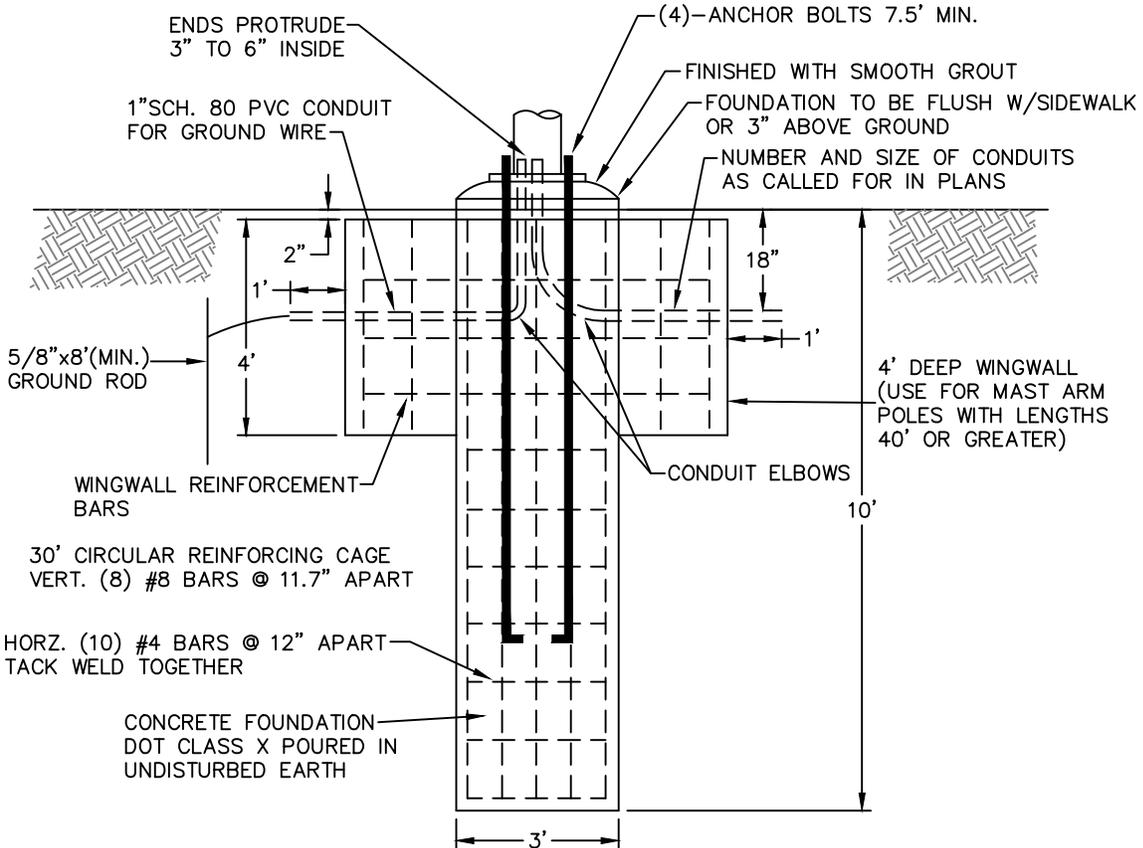
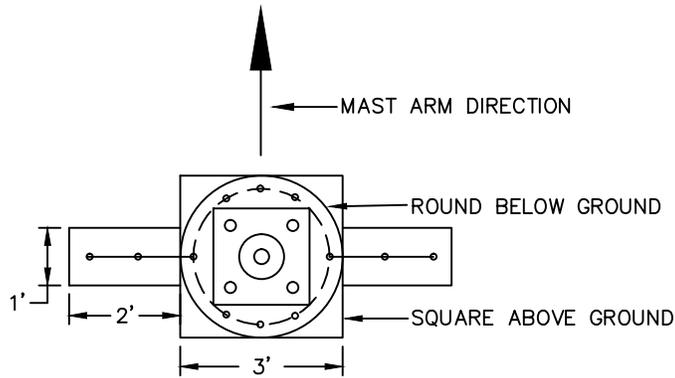
APPROVED BY: KDB  
DRAWN BY: KJG

DATE:  
10/23/03

SHEET NO.

R-16





NOTES:

1. WING WALL SHALL HAVE VERTICAL #8 BARS AT 11.7" APART AND HORIZONTAL #4 BARS AT 12" APART.
2. TWIN MAST ARM FOUNDATIONS SHALL BE 48"x12' WITH WING WALLS.

MAST ARM POLE  
CONCRETE FOUNDATION

CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

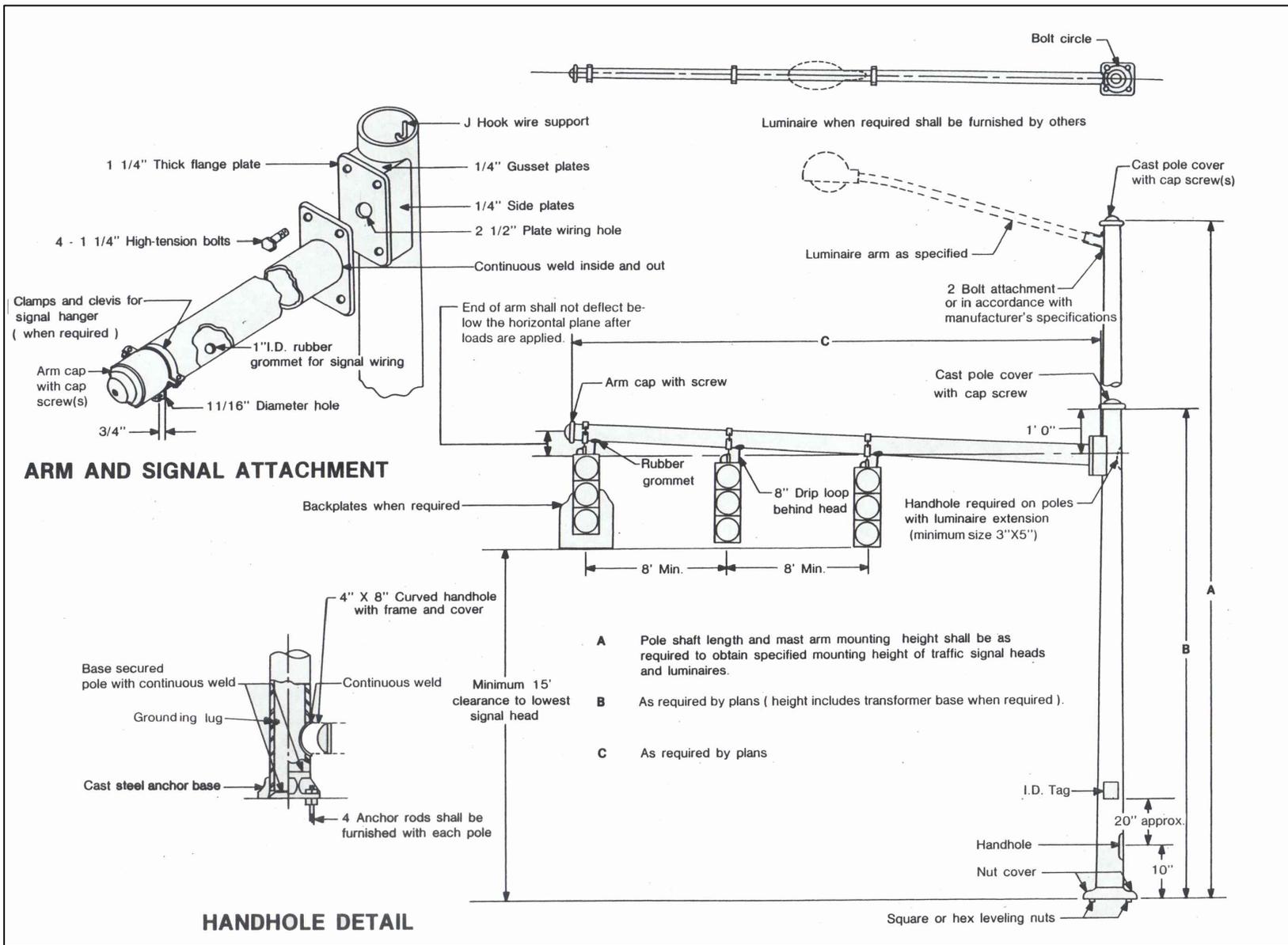
APPROVED BY: KDB  
DRAWN BY: KJG

DATE:  
10/23/03

SHEET NO.  
R-17



10/23/03



GALVANIZED STEEL SIGNAL POLE  
WITH MAST ARM

CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

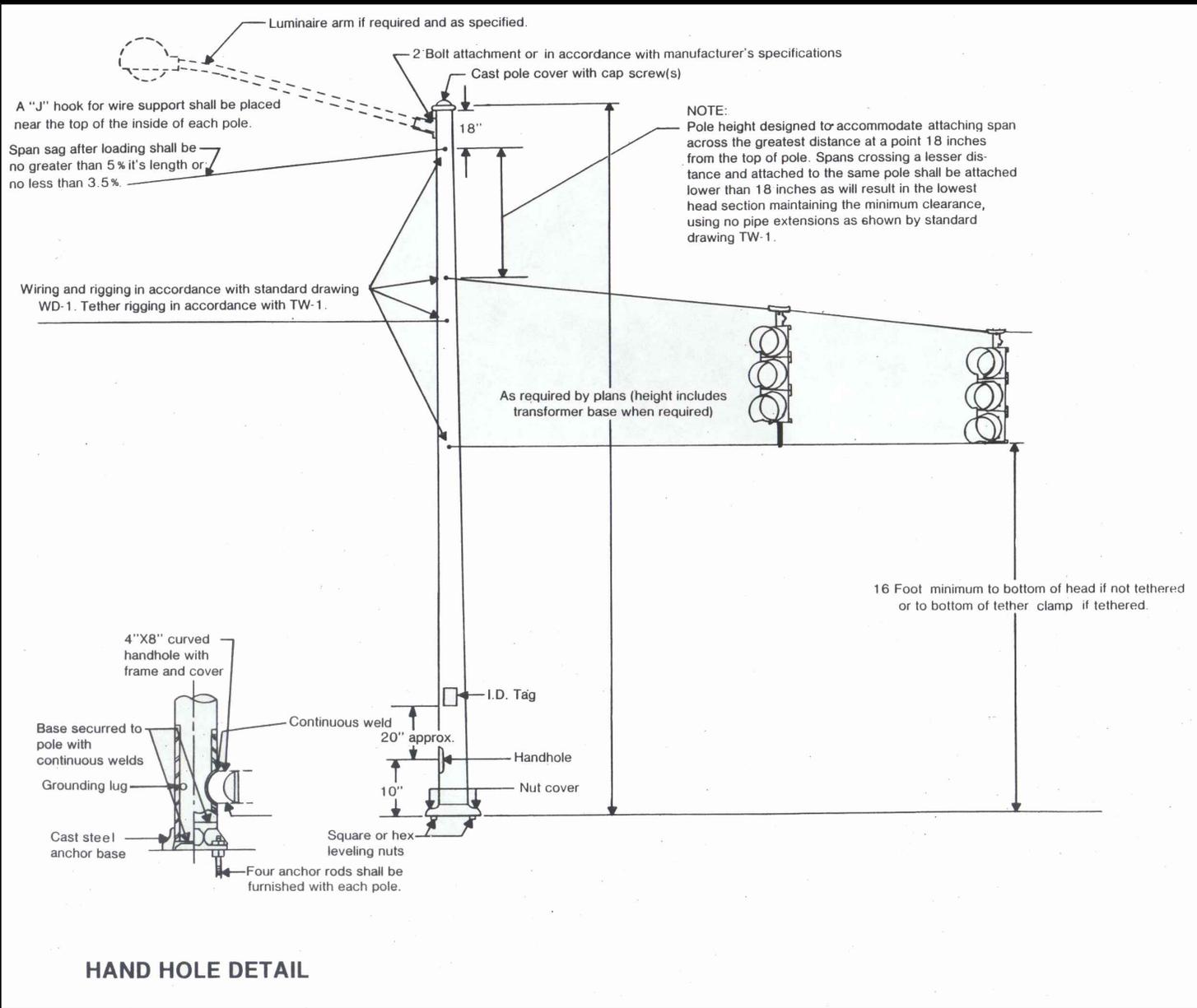
APPROVED BY: KDB  
DRAWN BY: KJG

DATE:  
10/23/03

SHEET NO.  
R-18



00132-R-19.DWG



**HAND HOLE DETAIL**

**GALVANIZED STEEL SIGNAL POLE WITH SPAN WIRES**

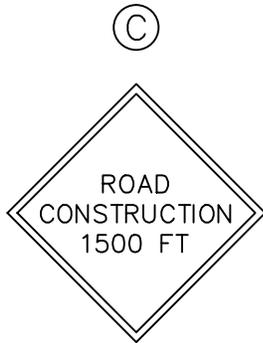
CITY OF N. MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KB  
DRAWN BY: KJG

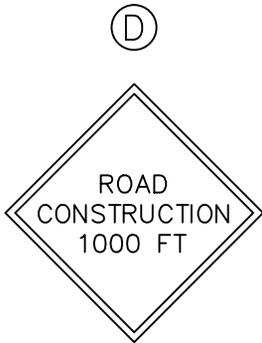
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9/14/00

SHEET NO.  
R-19





WC20-1-48-15



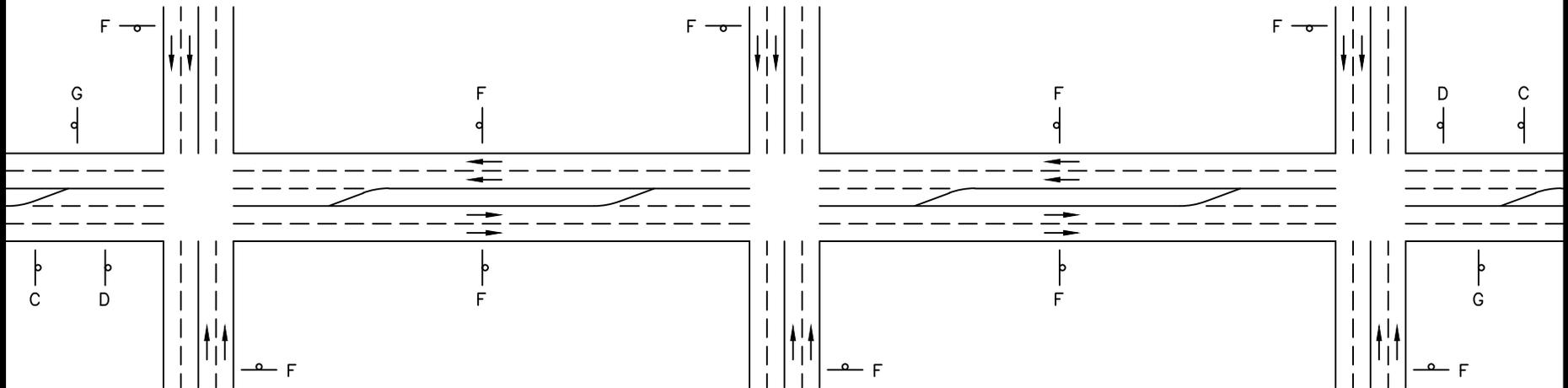
WC20-1-48-10



WC20-1-48-A



G20-2-48



NOTES:

1. GENERAL SIGN LAYOUT. USE PROJECT TRAFFIC CONTROL PLAN FOR EXACT SIGN LOCATIONS.
2. USE PROPER TRAFFIC CONTROL AS ILLUSTRATED IN TYPICAL FOR TRAFFIC CONTROL.
3. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH MUTCD.

GENERAL USE TRAFFIC CONTROL  
PLAN AND SIGN LEGEND

CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KDB  
DRAWN BY: KJG

DATE:  
10/23/03

SHEET NO.  
R-20



SYMBOL LEGEND

- CHANNELIZING DEVICES
- DRUMS
- ⊖ SIGN SUPPORT – SIGN FACE
- DIRECTION OF TRAFFIC

GENERAL NOTES

1. TAPER FORMULAS:

$$L = W * S$$

$$L = W * S * S / 60$$

WHERE:

FOR SPEEDS OF 45 MPH OR MORE  
FOR SPEEDS OF 40 MPH OR LESS  
L = MINIMUM LENGTH OF TAPER  
S = POSTED SPEED LIMIT (PRIOR TO CONSTRUCTION  
OR 85th PERCENTILE TRAFFIC SPEED  
W = WIDTH OF OFFSET (FEET)

2. SPACING:

$$D = S$$

IN THE TAPER, THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES, SHOULD BE APPROXIMATELY EQUAL (IN FEET), TO THE SPEED LIMIT (IN MPH).

3. EXTENSION:

CHANNELIZING DEVICES SHALL BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.

4. FLAGS:

FLAGS AND/OR FLASHING WARNING LIGHTS SHALL BE USED TO CALL ATTENTION TO EARLY WARNING SIGNS.

5. FLAGGER:

THE FLAGGER SHALL ONLY USE THE "STOP/SLOW" PADDLE. (A FLAG IS NOT ACCEPTABLE).

6. LIGHTS:

AT NIGHT, FLOODLIGHTS SHALL BE USED TO MARK FLAGGER STATIONS.

7. LIGHT:

AT NIGHT, FLOODLIGHTS SHALL BE USED TO MARK CHANNELIZING DEVICES (FLASHING OR STEADY BURN).

TRAFFIC CONTROL GENERAL  
NOTES AND SYMBOL LEGEND

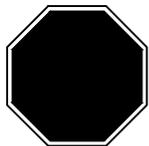
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KDB  
DRAWN BY: KJG

DATE:  
10/23/03

SHEET NO.  
R-21





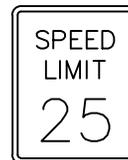
R-1-1  
30" x 30"



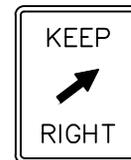
R-1-2  
36" x 36" x 36"



R-4-5  
24" x 30"

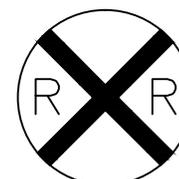
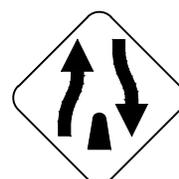
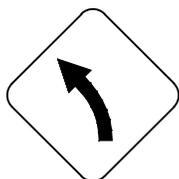


R-2-1  
24" x 30"



R-4-7b  
24" x 30"

REGULATORY SIGNS



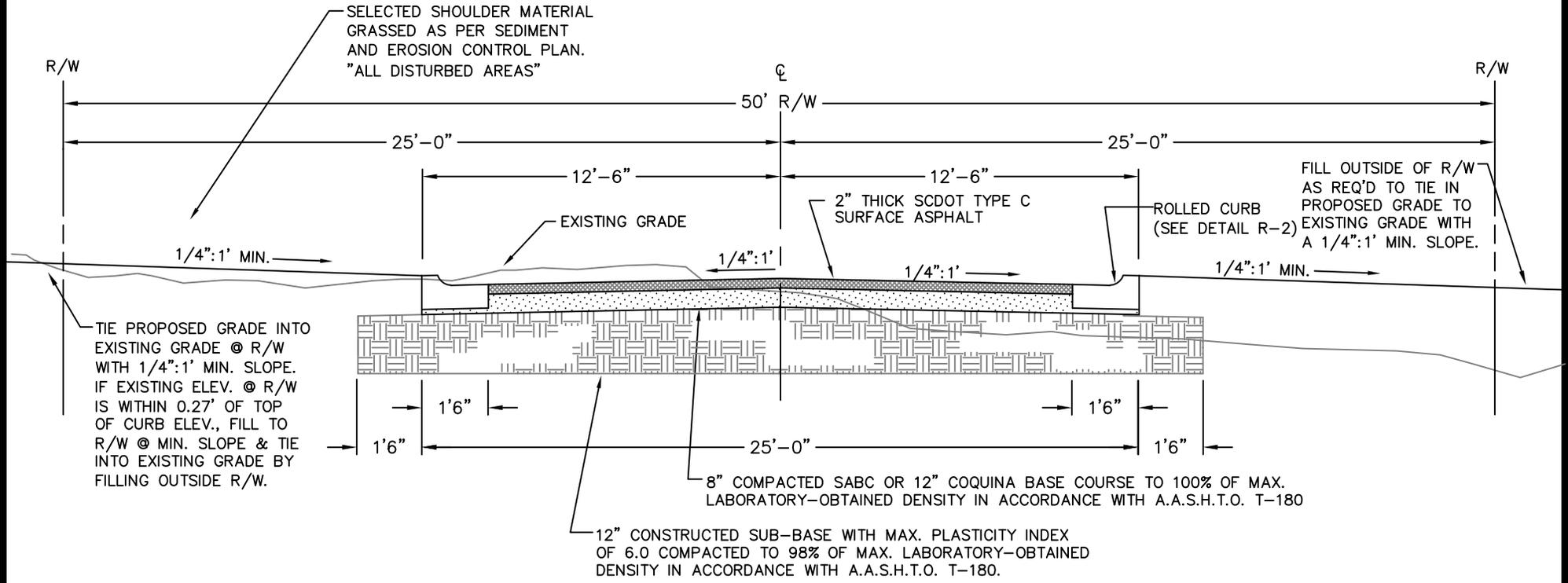
WARNING SIGNS

TRAFFIC CONTROL SIGNS

CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION  
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10/23/03  
SHEET NO.  
R-22





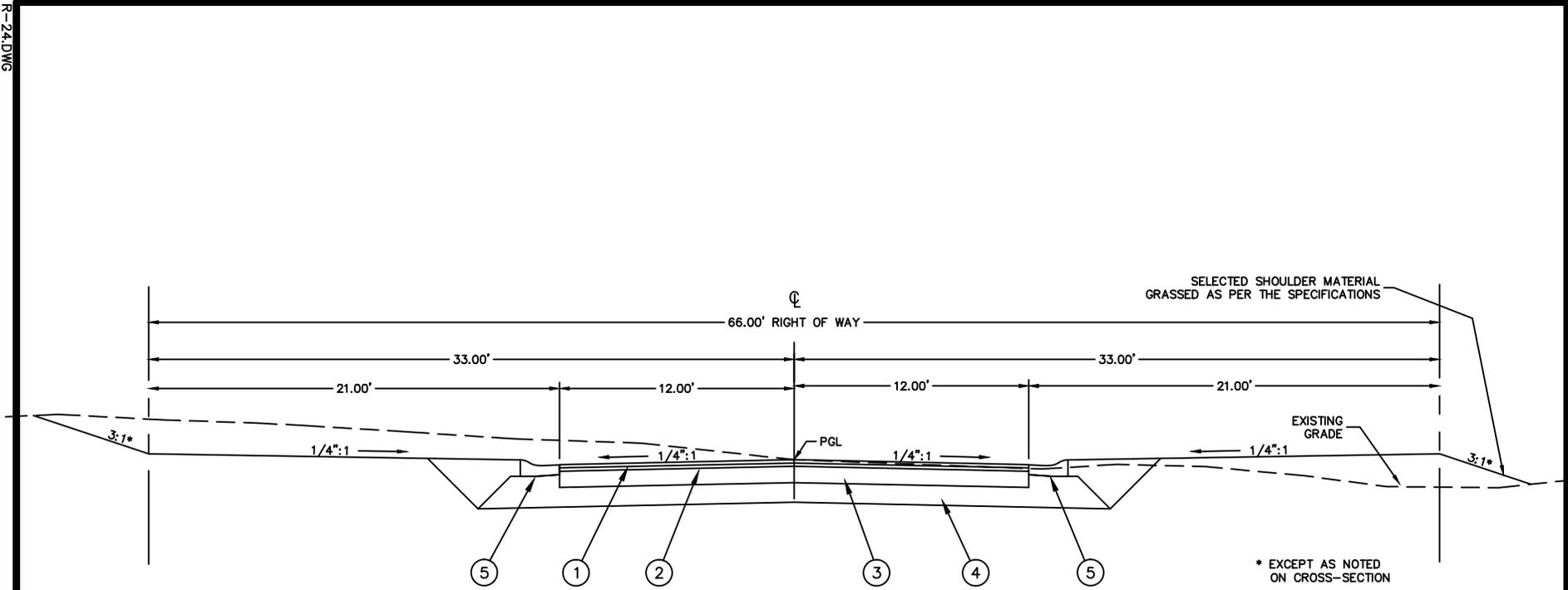
TIE PROPOSED GRADE INTO EXISTING GRADE @ R/W WITH 1/4":1' MIN. SLOPE. IF EXISTING ELEV. @ R/W IS WITHIN 0.27' OF TOP OF CURB ELEV., FILL TO R/W @ MIN. SLOPE & TIE INTO EXISTING GRADE BY FILLING OUTSIDE R/W.

FILL OUTSIDE OF R/W AS REQ'D TO TIE IN PROPOSED GRADE TO EXISTING GRADE WITH A 1/4":1' MIN. SLOPE.

NOTES:

- 1) 2" THICK SCDOT TYPE C BINDER ASPHALT SHALL BE INCLUDED FOR COMMERCIAL ROADWAYS

<p>TYPICAL RESIDENTIAL ROADWAY SECTION MINIMUM</p>	<p>CITY OF NORTH MYRTLE BEACH ENGINEERING DIVISION</p>	<p>DATE: 5/16/18</p>	
	<p>APPROVED BY: KDB DRAWN BY: TED</p>	<p>SHEET NO. R-23</p>	



MATERIALS LEGEND	
①	PROPOSED 2" ASPHALT CONCRETE SURFACE COURSE, TYPE C
②	PROPOSED 2" ASPHALT CONCRETE BINDER COURSE, TYPE C
③	PROPOSED 10" STABILIZED AGGREGATE BASE COURSE COMPACTED TO 100% OF MAXIMUM LABORATORY-OBTAINED DENSITY IN ACCORDANCE WITH ASTM D 1557
④	PROPOSED 12" CONSTRUCTED SUB-BASE WITH MAXIMUM PLASTICITY INDEX OF 6.0, COMPACTED TO 98% OF MAX. LABORATORY-OBTAINED DENSITY IN ACCORDANCE WITH ASTM D 698
⑤	PROPOSED 24" OGEE CONCRETE CURB & GUTTER(Detail R-10)

TYPICAL ROADWAY SECTION  
HEAVY DUTY

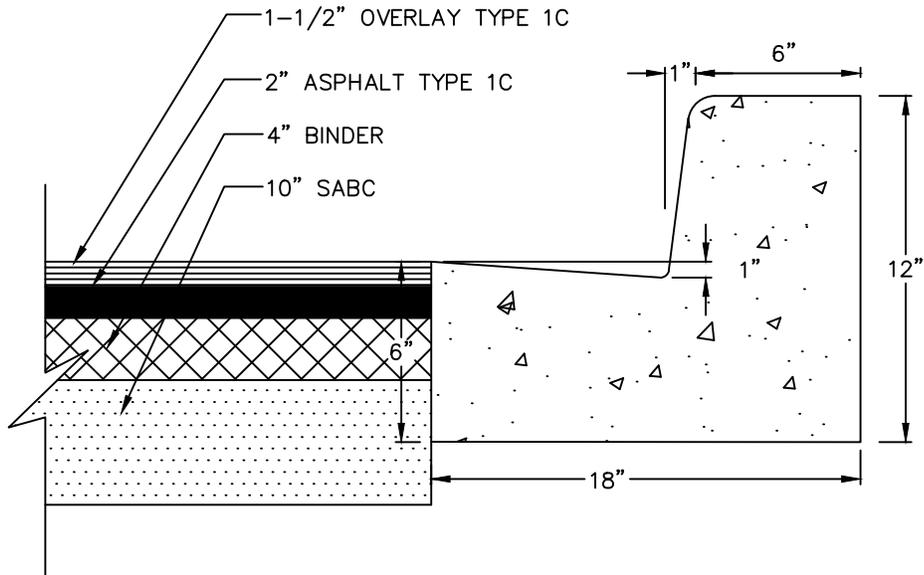
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KDB  
DRAWN BY: TED

DATE:  
12/1/14

SHEET NO.  
R-24





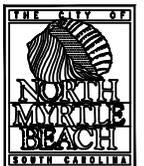
18" OR 24"  
 CONCRETE BARRIER CURB

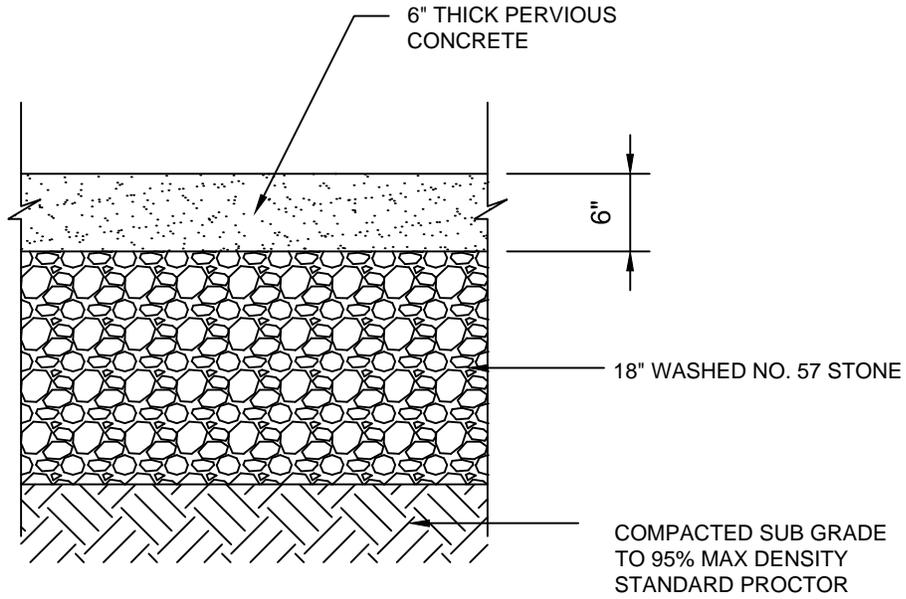
CITY OF NORTH MYRTLE BEACH  
 ENGINEERING DIVISION

DATE:  
 10/23/03

APPROVED BY: KDB  
 DRAWN BY: KJG

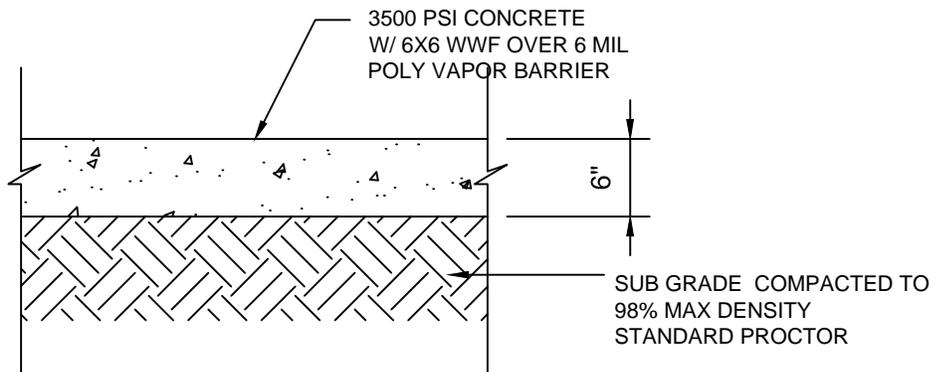
SHEET NO.  
 R-25





## PERVIOUS PAVEMENT SECTION

NTS



## IMPERVIOUS PAVEMENT SECTION

NTS

PERVIOUS PAVEMENT  
IMPERVIOUS PAVEMENT

CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

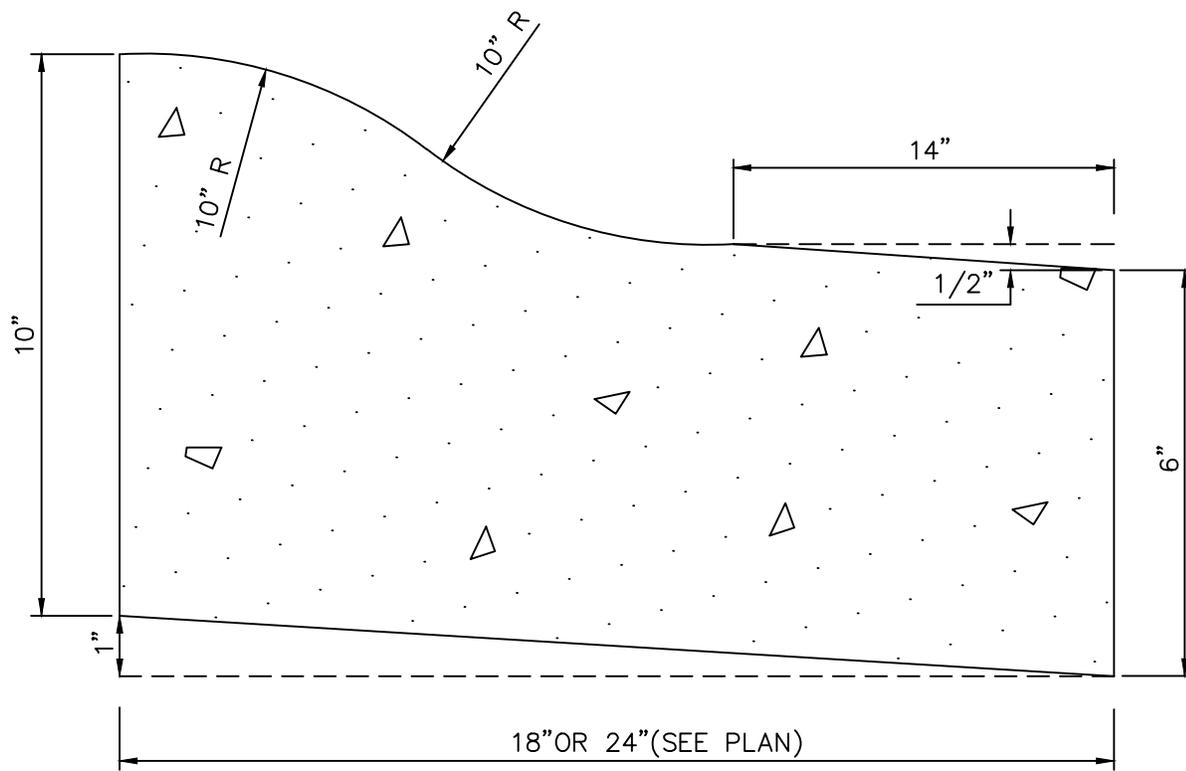
APPROVED BY: KDB  
DRAWN BY: HRT

DATE:  
11/9/09

SHEET NO.

R-26





18" OR 24" EXPULSION  
CONCRETE ROLL CURB

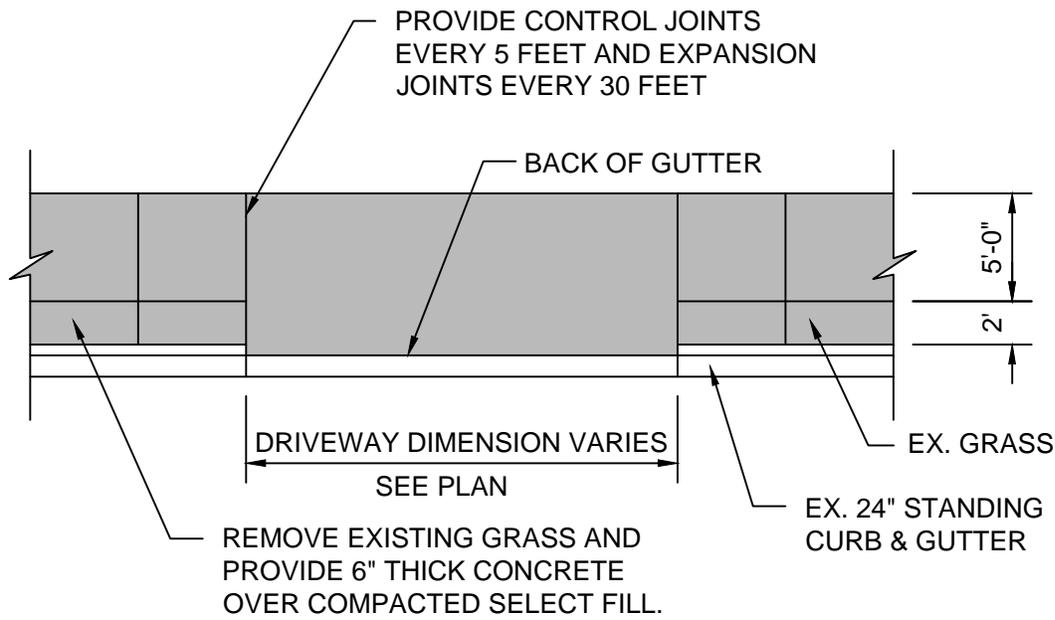
CITY OF NORTH MYRTLE BEACH  
ENGINEERING DIVISION

APPROVED BY: KDB  
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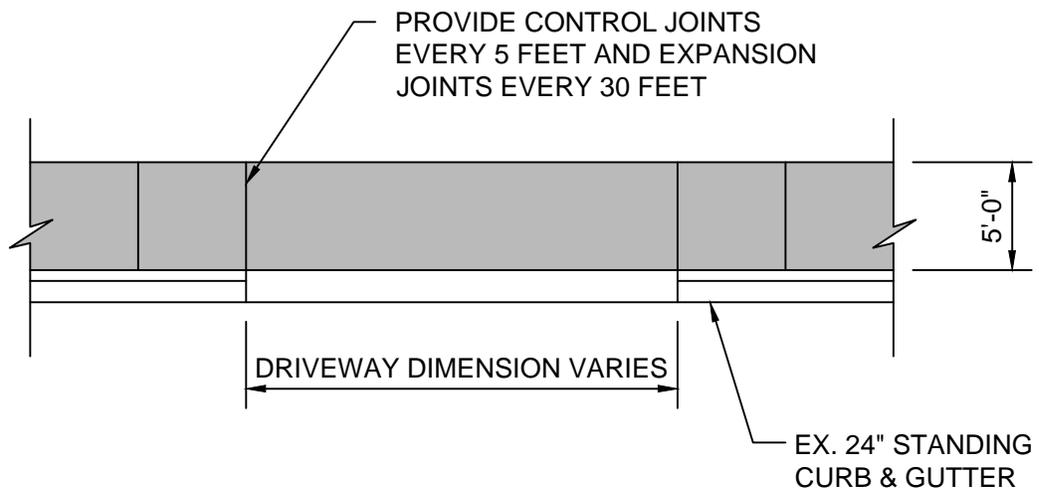
DATE:  
2/8/11

SHEET NO.  
R-27





**LIMITS OF CONCRETE PAVING  
AT GRASS STRIP DRIVEWAY**



**LIMITS OF CONCRETE PAVING  
AT CURB AND GUTTER**

CONCRETE SIDEWALK & DRIVEWAY DETAIL	CITY OF NORTH MYRTLE BEACH ENGINEERING DIVISION	DATE: 7/29/10	
	APPROVED BY: KDB DRAWN BY: HRT	SHEET NO. R-28	