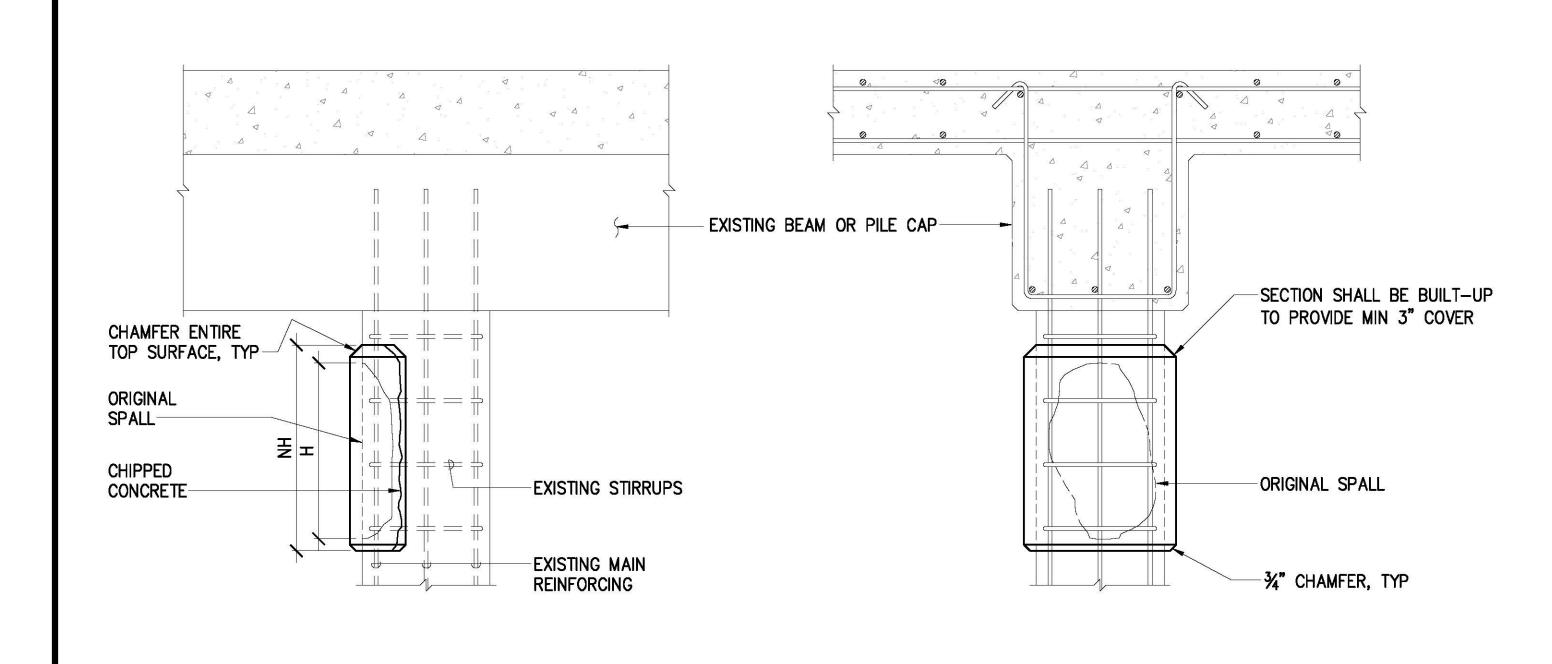
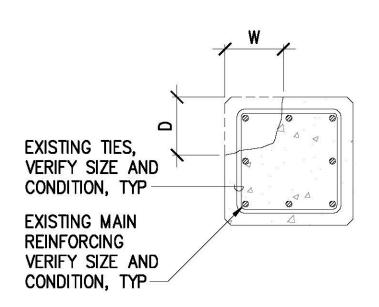


EXISTING CONDITION



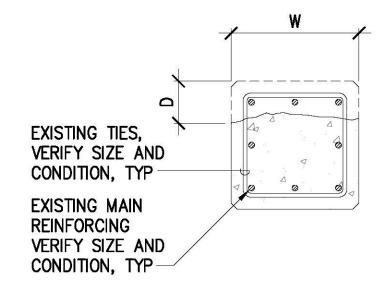
FRONT ELEVATION

REPAIRED CONDITION



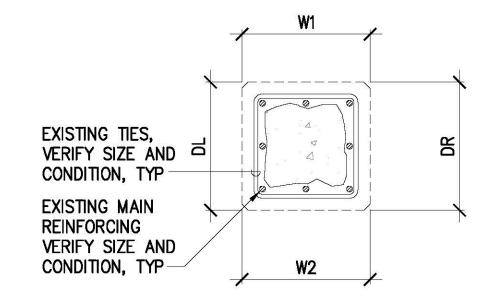
EXISTING SPALL AREA = (W + D)H

PILE SECTION (CORNER SPALL)



EXISTING SPALL AREA = (W + 2D)H

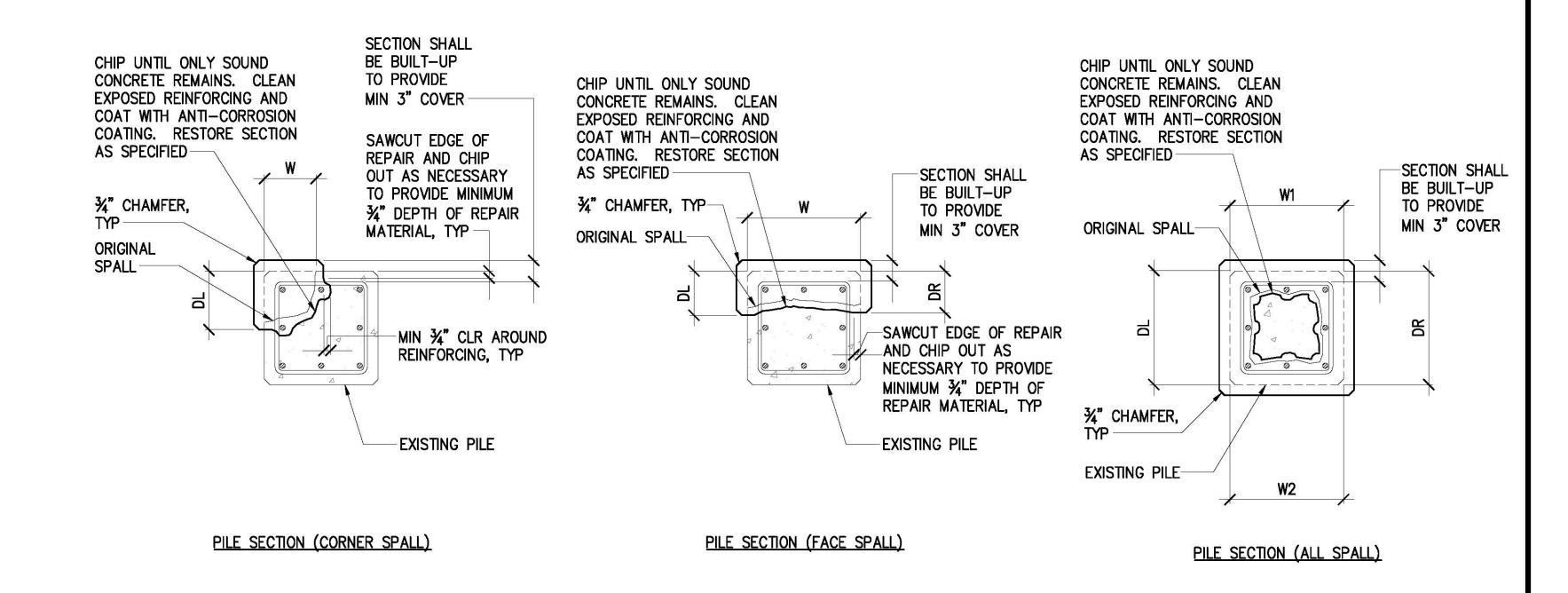
PILE SECTION (FACE SPALL)



EXISTING SPALL AREA = (W1+W2+DL+DR)H

PILE SECTION (ALL SPALL)

EXISTING CONDITION



REPAIRED CONDITION

PILE REPAIR NOTES:

1. "PILES" REFER TO PILES OR PILE CAP AT TOP OF PILE AND SHALL BE REPAIRED SIMILARLY.

SIDE ELEVATION

- 2. PILE REPAIR TYPICALLY OCCURS ABOVE MLLW, HOWEVER PORTIONS OF REPAIRS MAY EXTEND UNDERWATER
- 3. FOR PILE OR PILE CAP REPAIRS WITH REINFORCING STEEL REPLACEMENT, SEE DETAIL 1/S-8.

CALCULATION OF PAY AREA:

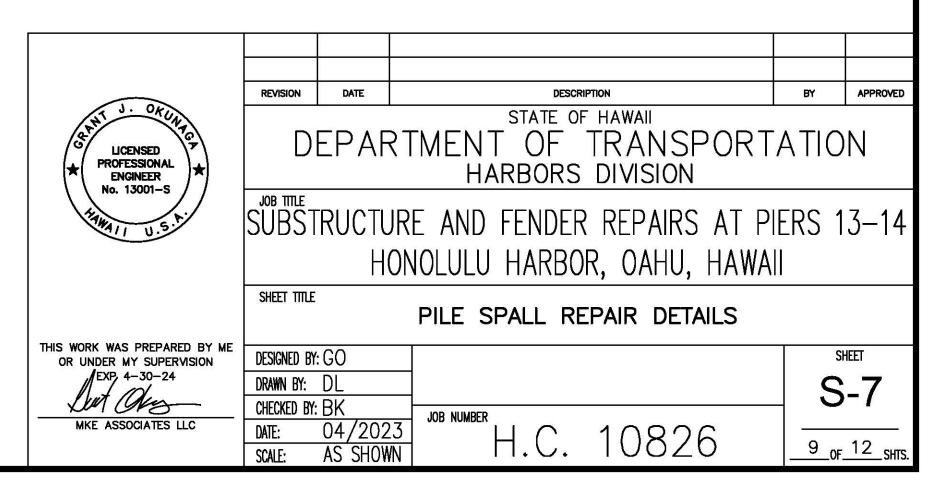
DL = DEPTH OF REPAIR (LEFT SIDE) DR = DEPTH OF REPAIR (RIGHT SIDE)
D = ORIGINAL DEPTH OF PILE SPALL W = ORIGINAL WIDTH OF PILE SPALL H = EXISTING HEIGHT OF SPALL NH = HEIGHT OF REPAIR

PAY AREA = (DL+DR+W)NH FOR CORNER AND FACE SPALL PILE REPAIRS, SEE PAY AREA NOTE 3.

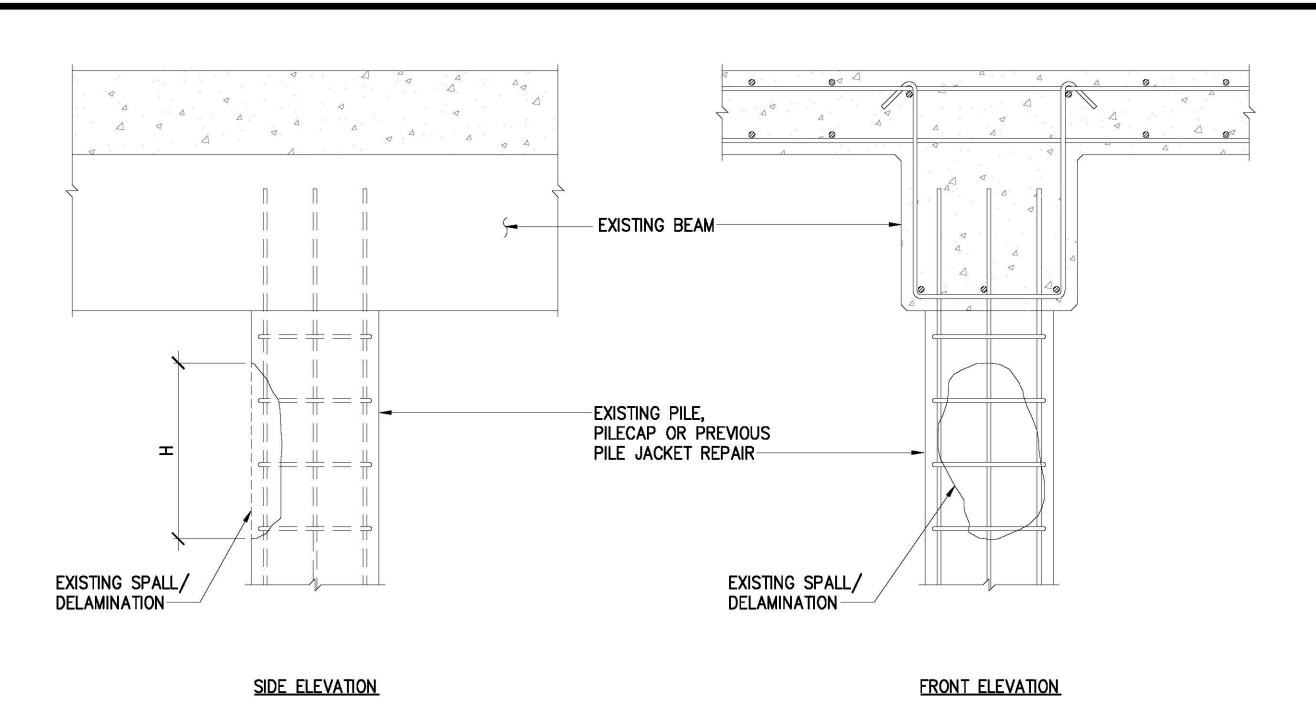
PAY AREA = (DL+DR+W1+W2)NH FOR ALL SPALL PILE REPAIRS

PAY AREA NOTES:

- 1. PAY AREA SHALL BE THE TOTAL REPAIRED AREA ON ALL PILE OR PILE CAP FACES. IF DL, DR OR W VARY ALONG THE LENGTH OF REPAIR, PAY AREA SHALL BE CALCULATED INDIVIDUALLY FOR EACH PILE FACE.
- 2. FOR PILE CAP REPAIRS EXTENDING DOWN TO PILE CAP SOFFIT, PAY AREA SHALL ALSO INCLUDE THE SOFFIT REPAIR AREA.
- 3. FOR PILE CAP FACE SPALLS NOT EXTENDING TO THE PILE CAP CORNER(S), PAY AREA SHALL NOT INCLUDED DL OR DR.



PILE SPALL REPAIRS NO REINFORCING STEEL REPLACEMENT (TYPE P AND PC) (S-7) NOT TO SCALE



EXISTING TIES,
VERIFY SIZE AND
CONDITION, TYP

EXISTING MAIN
REINFORCING
VERIFY SIZE AND
CONDITION, TYP

CONDITION, TYP

CONDITION, TYP

CONDITION, TYP

CONDITION, TYP

EXISTING TIES,
VERIFY SIZE AND
CONDITION, TYP

EXISTING MAIN
REINFORCING
VERIFY SIZE AND
CONDITION, TYP

W2

EXISTING SPALL AREA = (W + D)H

PILE SECTION (CORNER SPALL)

EXISTING SPALL AREA = (W + 2D)H

EXISTING SPALL AREA = (W1+W2+DL+DR)H

PILE SECTION (ALL SPALL)

EXISTING

-SECTION SHALL

BE BUILT-UP

MIN 3" COVER

TO PROVIDE

ADDED BARS TO

MATCH EXISTING

BARS. SEE TABLE

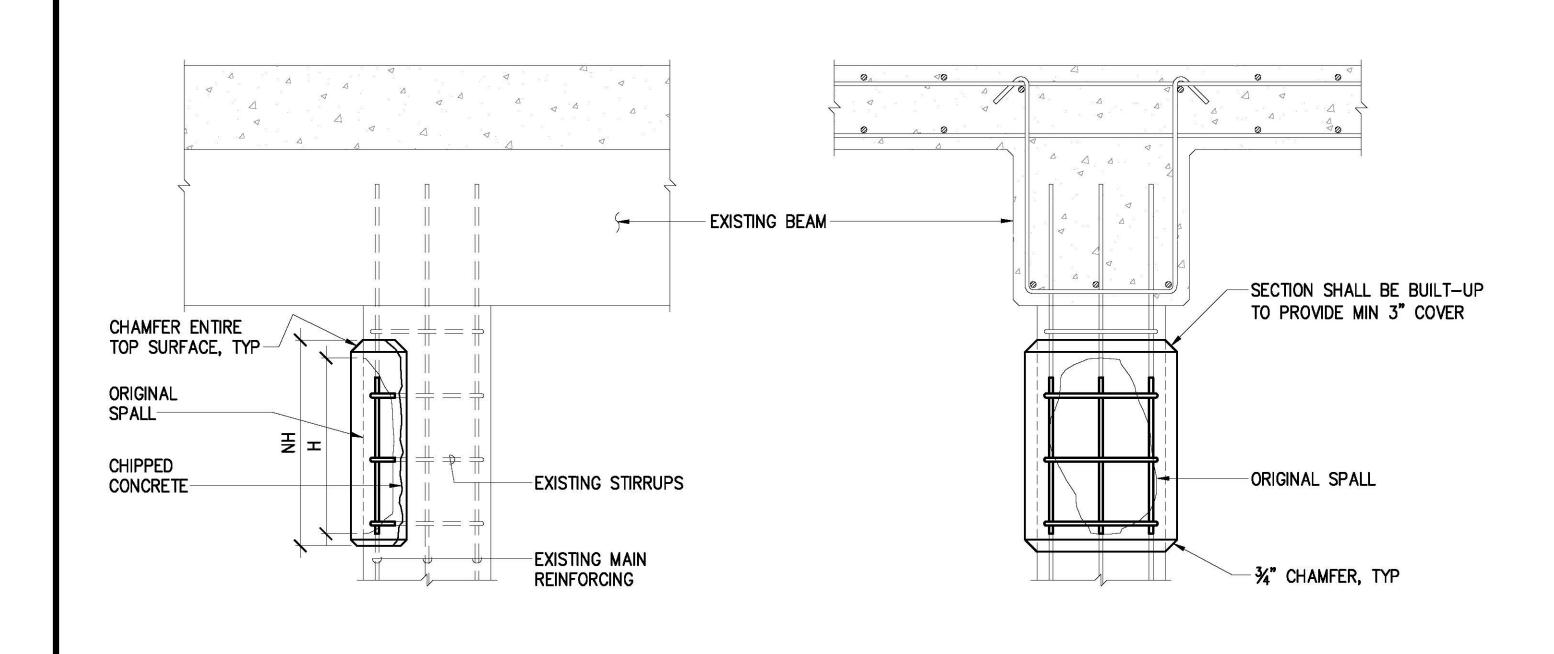
BAR SIZE

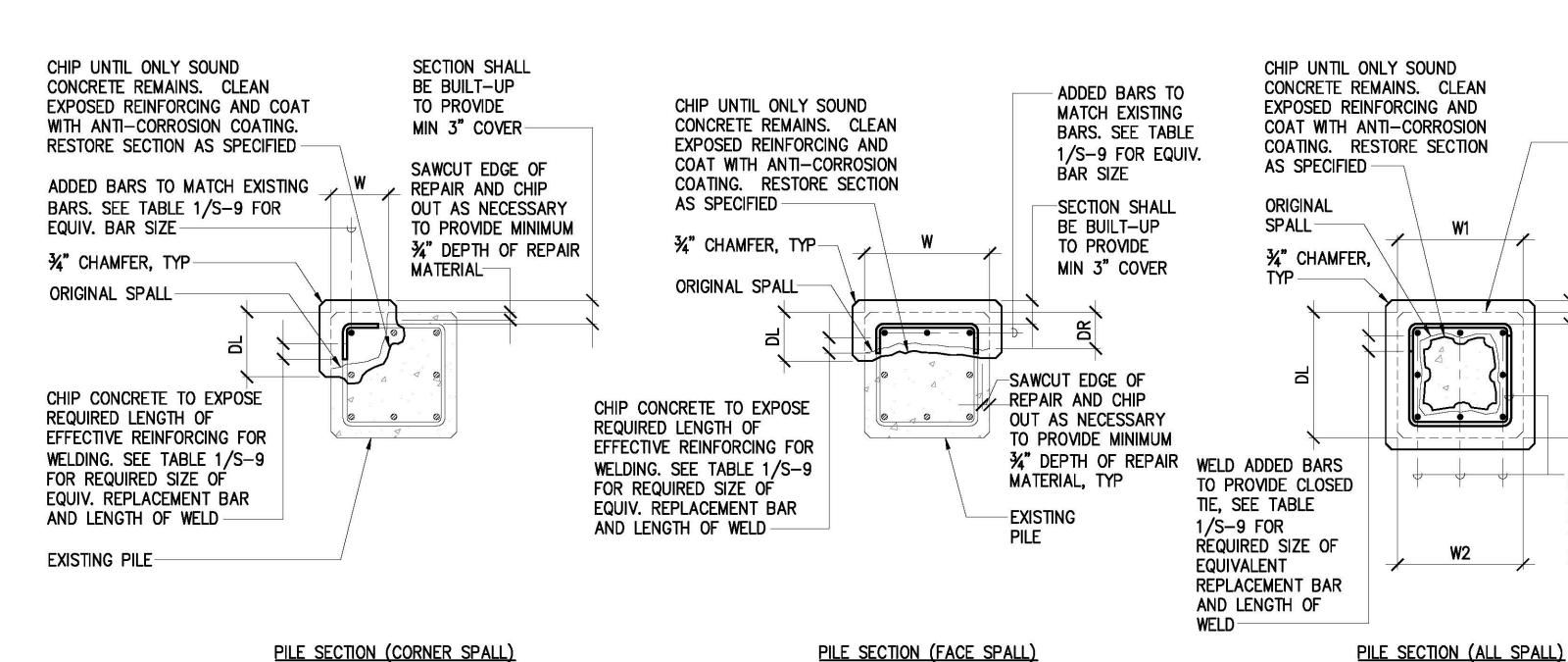
1/S-9 FOR EQUIV.

PILE

EXISTING CONDITION

EXISTING CONDITION





FRONT ELEVATION

REPAIRED CONDITION REPAIRED CONDITION

PILE REPAIR NOTES:

1. "PILES" REFER TO PILES OR PILE CAP AT TOP OF PILE AND SHALL BE REPAIRED SIMILARLY.

SIDE ELEVATION

2. PILE REPAIR TYPICALLY OCCURS ABOVE MLLW, HOWEVER PORTIONS OF REPAIRS MAY EXTEND UNDERWATER

CALCULATION OF PAY AREA:

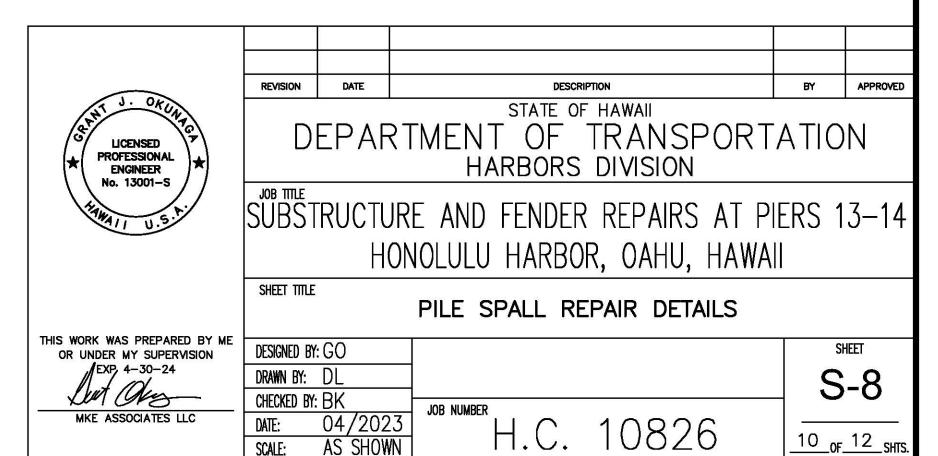
DL = DEPTH OF REPAIR (LEFT SIDE)
DR = DEPTH OF REPAIR (RIGHT SIDE)
D = ORIGINAL DEPTH OF PILE SPALL
W = ORIGINAL WIDTH OF PILE SPALL
H = EXISTING HEIGHT OF SPALL
NH = HEIGHT OF REPAIR

PAY AREA = (DL+DR+W)NH FOR CORNER AND FACE SPALL PILE REPAIRS, SEE PAY AREA NOTE 3.

PAY AREA = (DL+DR+W1+W2)NH FOR ALL SPALL PILE REPAIRS

PAY AREA NOTES:

- 1. PAY AREA SHALL BE THE TOTAL REPAIRED AREA ON ALL PILE OR PILE CAP FACES. IF DL, DR OR W VARY ALONG THE LENGTH OF REPAIR, PAY AREA SHALL BE CALCULATED INDIVIDUALLY FOR EACH PILE FACE.
- 2. FOR PILE CAP REPAIRS EXTENDING DOWN TO PILE CAP SOFFIT, PAY AREA SHALL ALSO INCLUDE THE SOFFIT REPAIR AREA.
- 3. FOR PILE CAP FACE SPALLS NOT EXTENDING TO THE PILE CAP CORNER(S), PAY AREA SHALL NOT INCLUDED DL OR DR.



PILE SPALL REPAIRS WITH REINFORCING STEEL REPLACEMENT (TYPE P AND PC)

S-8 NOT TO SCALE