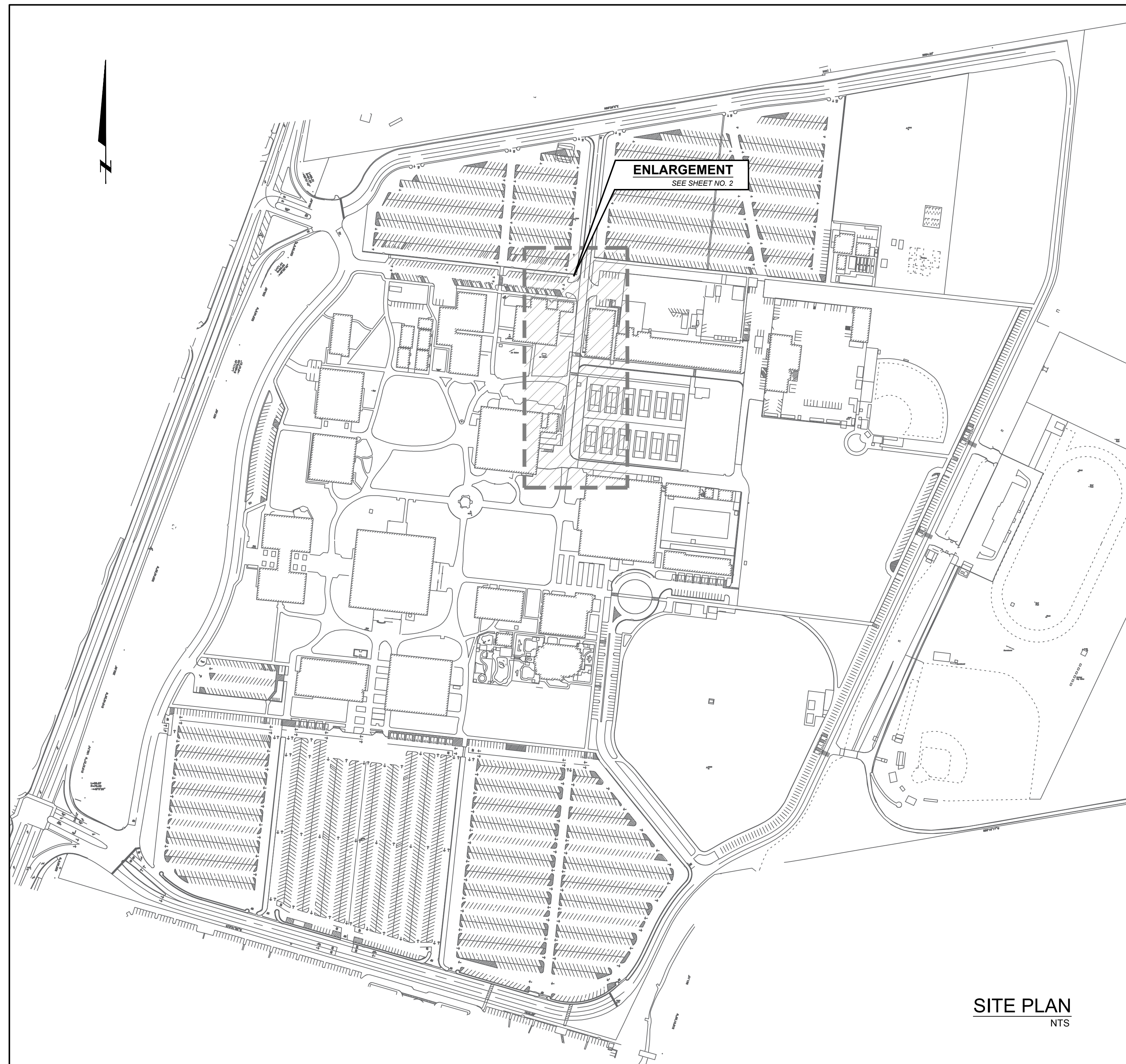


CONSTRUCTION PLANS FOR SOLANO COMMUNITY COLLEGE 2017 PAVEMENT REHABILITATION PROJECT



SITE PLAN
NTS

| SHEET INDEX | |
|-------------|--------------|
| SHEET NO. | SHEET TITLE |
| 1 | TITLE PAGE |
| 2 | DESIGN PLAN |
| 3-4 | GRADING PLAN |
| 5 | DETAILS |

NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL TESTING THAT MAY BE REQUIRED TO LEGALLY DISPOSE OF EXCESS MATERIAL.
2. CONTRACTOR SHALL RE-STRIP ALL CURBS IN CONSTRUCTION AREAS TO MATCH EXISTING UNLESS OTHERWISE SHOWN ON PLAN.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR MATCHING ALL STRIPING LAYOUTS, DIMENSIONS AND COLORS IN WORK AREAS, UNLESS OTHERWISE DESIGNATED ON THE PLANS.
4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS & CONTRACT DOCUMENTS. WORK NOT COMPLYING WITH PLANS & CONTRACT DOCUMENTS WILL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND LEAVE WORK AREA CLEAN DAILY.
6. ALL MATERIALS AND WORKMANSHIP ARE SUBJECT TO REVIEW BY OWNER. ANY PORTION OF THE WORK FOUND TO BE DEFECTIVE SHALL BE REPLACED BY THE CONTRACTOR AS PART OF THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER.
7. ABSOLUTE ACCURACY OF DRAWING CAN NOT BE GUARANTEED. WHILE EVERY EFFORT HAS BEEN MADE TO COORDINATE THE LOCATION OF THE EXISTING EQUIPMENT, PIPING, ETC. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT THE EXACT REQUIREMENTS GOVERNED BY ACTUAL JOB CONDITIONS.
8. AREAS NOT IN SCOPE OF WORK DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE EXISTING CONDITION AT THE CONTRACTOR'S EXPENSE.
9. CONTRACTOR SHALL VACUUM CLEAN OUT ALL DRAINAGE STRUCTURES, INCLUDING DROP INLETS, & SHALL VACUUM CLEAN STORM DRAIN LINES PRIOR TO COMPLETION OF WORK TO ENSURE NO BLOCKAGES EXIST IN THE SYSTEM.
10. PROTECT EXISTING BUILDING STRUCTURES, AND ADJACENT FINISHED SURFACES DURING CONSTRUCTION. PATCH, REPAIR AND REFINISH AREAS DAMAGED OR IMPACTED BY WORK DURING THIS PROJECT TO MATCH ADJACENT UNDISTURBED AREAS. PATCHING, REPAIRING AND REFINISHING IS TO BE PERFORMED BY WORKMEN SKILLED IN THE TRADES INVOLVED.
11. CONTRACTOR SHALL HAVE LOCATING SERVICE VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT THE ENGINEER TO REVIEW AND ADDRESS ANY UTILITIES CONFLICTING WITH THE SCOPE OF WORK.
12. UTILITY BOXES IN CONSTRUCTION AREAS SHALL BE REUSED AND RAISED TO FINISHED GRADE. IF BOXES ARE NOT REUSABLE, CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO REMOVAL.
13. ALL AREAS OF PCC CHIPPED OR DAMAGED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED BACK TO THE NEXT JOINT.
14. CONTRACTOR SHALL REGRADE REMAINING IN PLACE TREATED BASE TO ALLOW FOR NEW 6" HMA. REGRADED BASE SHALL MATCH NEW DESIGN GRADES. (SEE GRADING PLAN). EXCESS TREATED BASE SHALL BE LEGALLY DISPOSED.



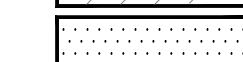


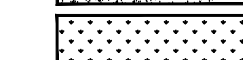


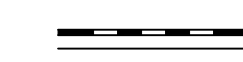
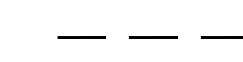
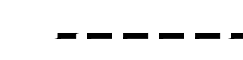



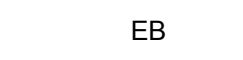

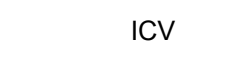


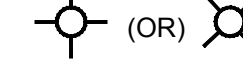
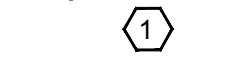
| | |
|---|----------------|
| PROJECT ENGINEER: WILLIAM J. LONG | |
| LICENSE: C047552 | EXP.: 12-31-18 |
| PLAN STATUS: PLANS FOR CONSTRUCTION | |

Pavement Engineering Inc.
You can ride on our reputation

Corporate Office:
3485 Sacramento Drive, Suite A
San Luis Obispo, CA 93401-6015
805-781-2265

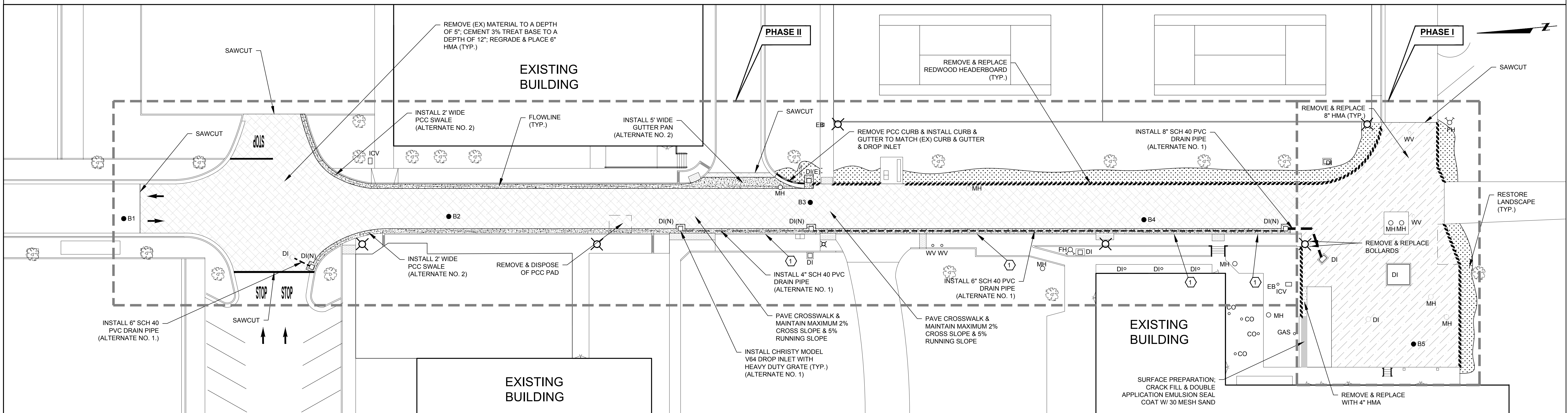
| | | |
|---|--------------|------------------------------------|
| SOLANO COMMUNITY COLLEGE 4000 SUISUN VALLEY ROAD | | FAIRFIELD, CA |
| SCALE: NTS | APPROVED BY: | DRAWN BY: ASH/TL5 |
| DATE: NOV. 2017 | | REVISED: |
| 2017 PAVEMENT REHABILITATION PROJECT TITLE SHEET | | |
| KITCHELL CEM | | DRAWING NUMBER 170280-01 1 OF 5 |

LEGEND

-  REMOVE (EX) MATERIAL TO A DEPTH OF 5"; CEMENT (3%) TREAT BASE TO A DEPTH OF 12"; REGRADE & PLACE 6" HMA (SEE NOTE NO. 14)
-  REMOVE & REPLACE 8" HMA
-  REMOVE & REPLACE 4" HMA
-  CRACK FILL & SEAL COAT
-  INSTALL PCC FACILITIES (ALTERNATE NO. 2)
-  RESTORE LANDSCAPE
-  (EX) DETECTABLE WARNINGS
-  REMOVE & REPLACE (OR) INSTALL REDWOOD HEADERBOARD
-  INSTALL PCC CURB & GUTTER
-  INSTALL 4" SCH 40 PVC DRAIN PIPE (ALTERNATE NO. 1)
-  INSTALL 6" SCH 40 PVC DRAIN PIPE (ALTERNATE NO. 1)
-  INSTALL 8" SCH 40 PVC DRAIN PIPE (ALTERNATE NO. 1)
-  DI DROP INLET
-  DI(N) INSTALL CHRISTY MODEL V64 DROP INLET (ALTERNATE NO. 1)
-  EB ELECTRICAL BOX
-  FH FIRE HYDRANT
-  ICV IRRIGATION CONTROL VALVE
-  MH MANHOLE
-  WV WATER VALVE
-  LIGHT STANDARD
-  (OR) PAVE FLUSH TO BOTTOM OF WEEP HOLES IN CURB

BORING LOG

| NO. | AC | AB | FABRIC | R-VALUE |
|-----|--------|---------|--------|---------|
| B1 | 2" | 20" | N | - |
| B2 | 2" | 15" | N | 9 |
| B3 | 2" | 16" | N | - |
| B4 | 2-1/2" | 14-1/2" | N | - |
| B5 | 3" | 18" | N | - |



SITE PLAN
1"=20'

PROJECT ENGINEER: WILLIAM J. LONG
 LICENSE: C047552 EXP.: 12-31-18
 PLAN STATUS:
PLANS FOR CONSTRUCTION

Pavement Engineering Inc.
You can ride on our reputation
 Corporate Office:
 3485 Sacramento Drive, Suite A
 San Luis Obispo, CA 93401-6015
 805-781-2265

SOLANO COMMUNITY COLLEGE
 4000 SUISUN VALLEY ROAD
 FAIRFIELD, CA
 SCALE: 1"=20' APPROVED BY: DRAWN BY: ASH/TLS
 DATE: NOV. 2017 REVISED:
2017 PAVEMENT REHABILITATION PROJECT
 DESIGN PLAN
 KITCHELL CEM DRAWING NUMBER
 170280-01 2 OF 5

LEGEND

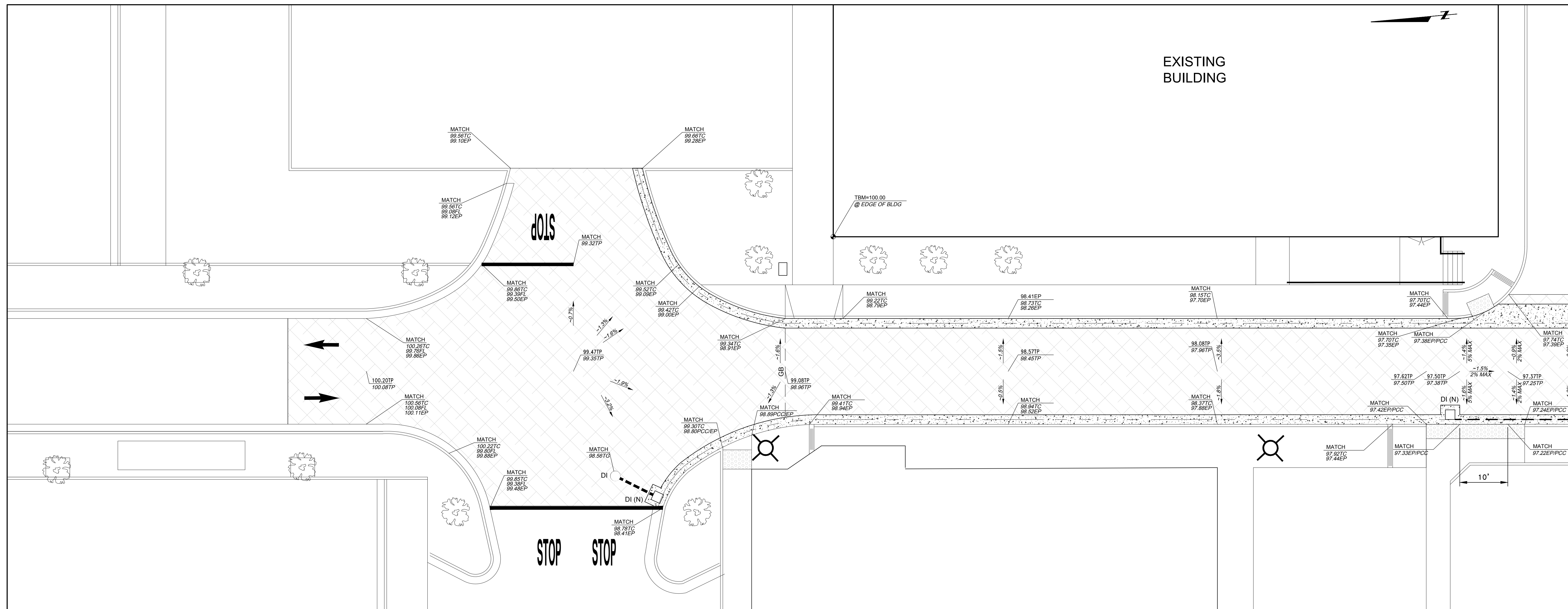
- REMOVE (EX) MATERIAL TO A DEPTH OF 5"; CEMENT (3%) TREAT BASE TO A DEPTH OF 12"; REGRADE & PLACE 6" HMA (SEE NOTE NO. 14)
- REMOVE & REPLACE 8" HMA
- REMOVE & REPLACE 4" HMA
- CRACK FILL & SEAL COAT
- INSTALL PCC FACILITIES (ALTERNATE NO. 2)
- RESTORE LANDSCAPE
- (EX) DETECTABLE WARNINGS
- REMOVE & REPLACE (OR) INSTALL REDWOOD HEADERBOARD
- INSTALL PCC CURB & GUTTER
- INSTALL 4" SCH 40 PVC DRAIN PIPE (ALTERNATE NO. 1)
- INSTALL 6" SCH 40 PVC DRAIN PIPE (ALTERNATE NO. 1)
- INSTALL 8" SCH 40 PVC DRAIN PIPE (ALTERNATE NO. 1)
- DI DROP INLET
- DI(N) INSTALL CHRISTY MODEL V64 DROP INLET (ALTERNATE NO. 1)
- EB ELECTRICAL BOX
- FH FIRE HYDRANT
- ICV IRRIGATION CONTROL VALVE
- MH MANHOLE
- WV WATER VALVE
- (OR) LIGHT STANDARD
- PAVE FLUSH TO BOTTOM OF WEEP HOLES IN CURB

BORING LOG

| NO. | AC | AB | FABRIC | R-VALUE |
|-----|--------|---------|--------|---------|
| B1 | 2" | 20" | N | - |
| B2 | 2" | 15" | N | 9 |
| B3 | 2" | 16" | N | - |
| B4 | 2-1/2" | 14-1/2" | N | - |
| B5 | 3" | 16" | N | - |

GRADING LEGEND

| xxxxx | DESIGN |
|-------|--------------------------|
| xxxxx | EXISTING |
| EP | EDGE OF PAVEMENT |
| FL | FLOWLINE |
| INV | INVERT |
| PCC | PORTLAND CEMENT CONCRETE |
| SW | SIDEWALK |
| TBM | TEMPORARY BENCH MARKER |
| TC | TOP OF CURB |
| TG | TOP OF GRATE |
| TP | TOP OF PAVEMENT |
| TR | TOP OF TREE ROOT |



MATCHLINE A-A SEE NEXT SHEET

ENLARGEMENT
1"=10'



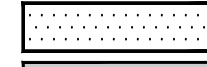


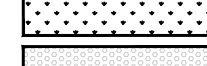


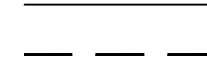



| | |
|---|----------------|
| PROJECT ENGINEER: WILLIAM J. LONG | |
| LICENSE: C0147552 | EXP.: 12-31-18 |
| PLAN STATUS: PLANS FOR CONSTRUCTION | |

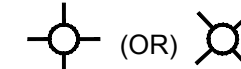
Pavement Engineering Inc.
You can ride on our reputation
 Corporate Office:
 3485 Sacramento Drive, Suite A
 San Luis Obispo, CA 93401-6015
 805-781-2265

| | |
|--|------------------------------------|
| SOLANO COMMUNITY COLLEGE 4000 SUISUN VALLEY ROAD FAIRFIELD, CA | |
| SCALE: 1"=10' | APPROVED BY: |
| DATE: NOV. 2017 | REVISIONS: |
| 2017 PAVEMENT REHABILITATION PROJECT GRADING PLAN | |
| KITCHELL CEM | DRAWING NUMBER 170280-01 3 OF 5 |

DRAWN BY: ASH/TL

LEGEND

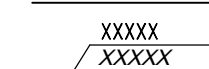
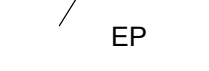
-  REMOVE (EX) MATERIAL TO A DEPTH OF 5"; CEMENT (3%) TREAT BASE TO A DEPTH OF 12"; REGRADE & PLACE 6" HMA (SEE NOTE NO. 14)
-  REMOVE & REPLACE 8" HMA
-  REMOVE & REPLACE 4" HMA
-  CRACK FILL & SEAL COAT
-  INSTALL PCC FACILITIES (ALTERNATE NO. 2)
-  RESTORE LANDSCAPE
-  (EX) DETECTABLE WARNINGS
-  REMOVE & REPLACE (OR) INSTALL REDWOOD HEADERBOARD
-  INSTALL PCC CURB & GUTTER
-  INSTALL 4" SCH 40 PVC DRAIN PIPE (ALTERNATE NO. 1)
-  INSTALL 6" SCH 40 PVC DRAIN PIPE (ALTERNATE NO. 1)
-  INSTALL 8" SCH 40 PVC DRAIN PIPE (ALTERNATE NO. 1)

- DI DROP INLET
- DI(N) INSTALL CHRISTY MODEL V64 DROP INLET (ALTERNATE NO. 1)
- EB ELECTRICAL BOX
- FH FIRE HYDRANT
- ICV IRRIGATION CONTROL VALVE
- MH MANHOLE
- WV WATER VALVE
- (OR) LIGHT STANDARD
-  PAVE FLUSH TO BOTTOM OF WEEP HOLES IN CURB

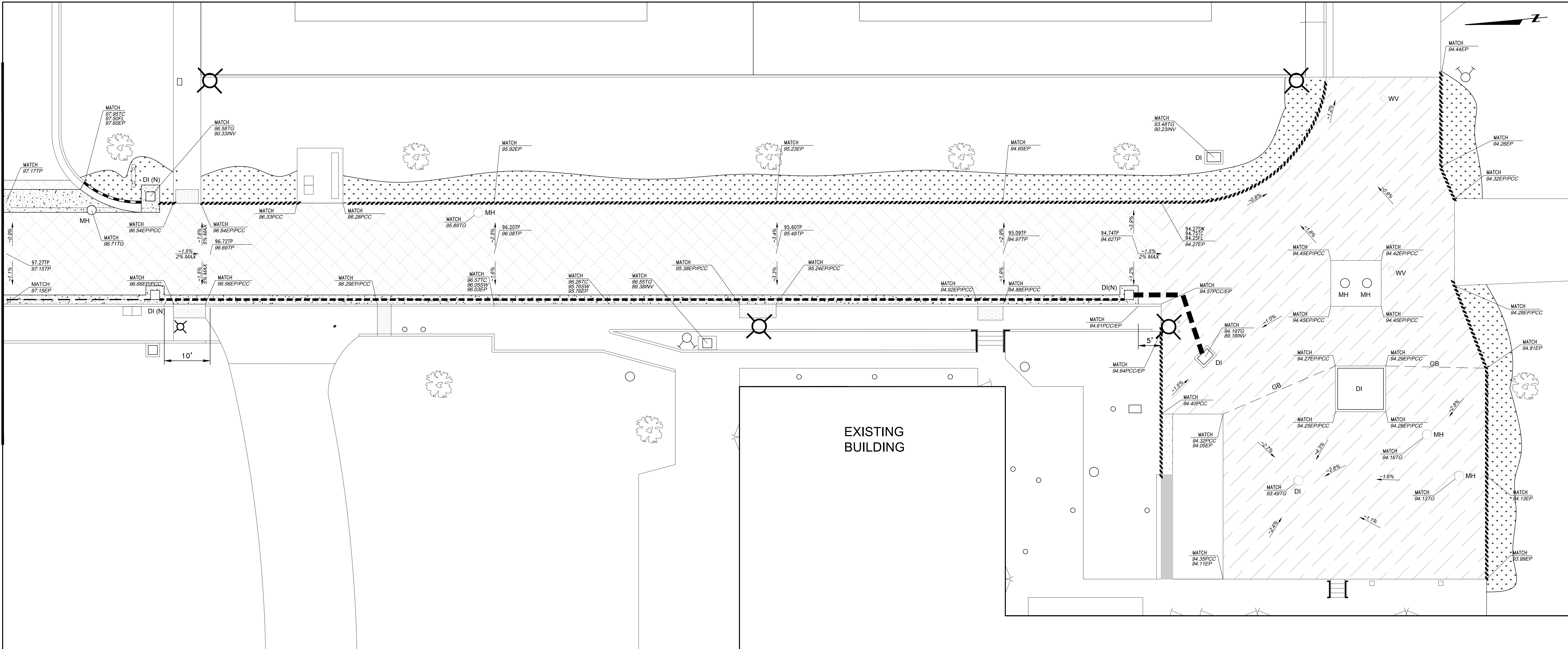
BORING LOG

| NO. | AC | AB | FABRIC | R-VALUE |
|-----|--------|---------|--------|---------|
| B1 | 2" | 20" | N | - |
| B2 | 2" | 15" | N | 9 |
| B3 | 2" | 16" | N | - |
| B4 | 2-1/2" | 14-1/2" | N | - |
| B5 | 3" | 18" | N | - |

GRADING LEGEND

-  DESIGN
-  EXISTING
- EP EDGE OF PAVEMENT
- FL FLOWLINE
- INV INVERT
- PCC PORTLAND CEMENT CONCRETE
- SW SIDEWALK
- TBM TEMPORARY BENCH MARKER
- TC TOP OF CURB
- TG TOP OF GRATE
- TP TOP OF PAVEMENT
- TR TOP OF TREE ROOT

MATCHLINE A-A SEE PREVIOUS SHEET

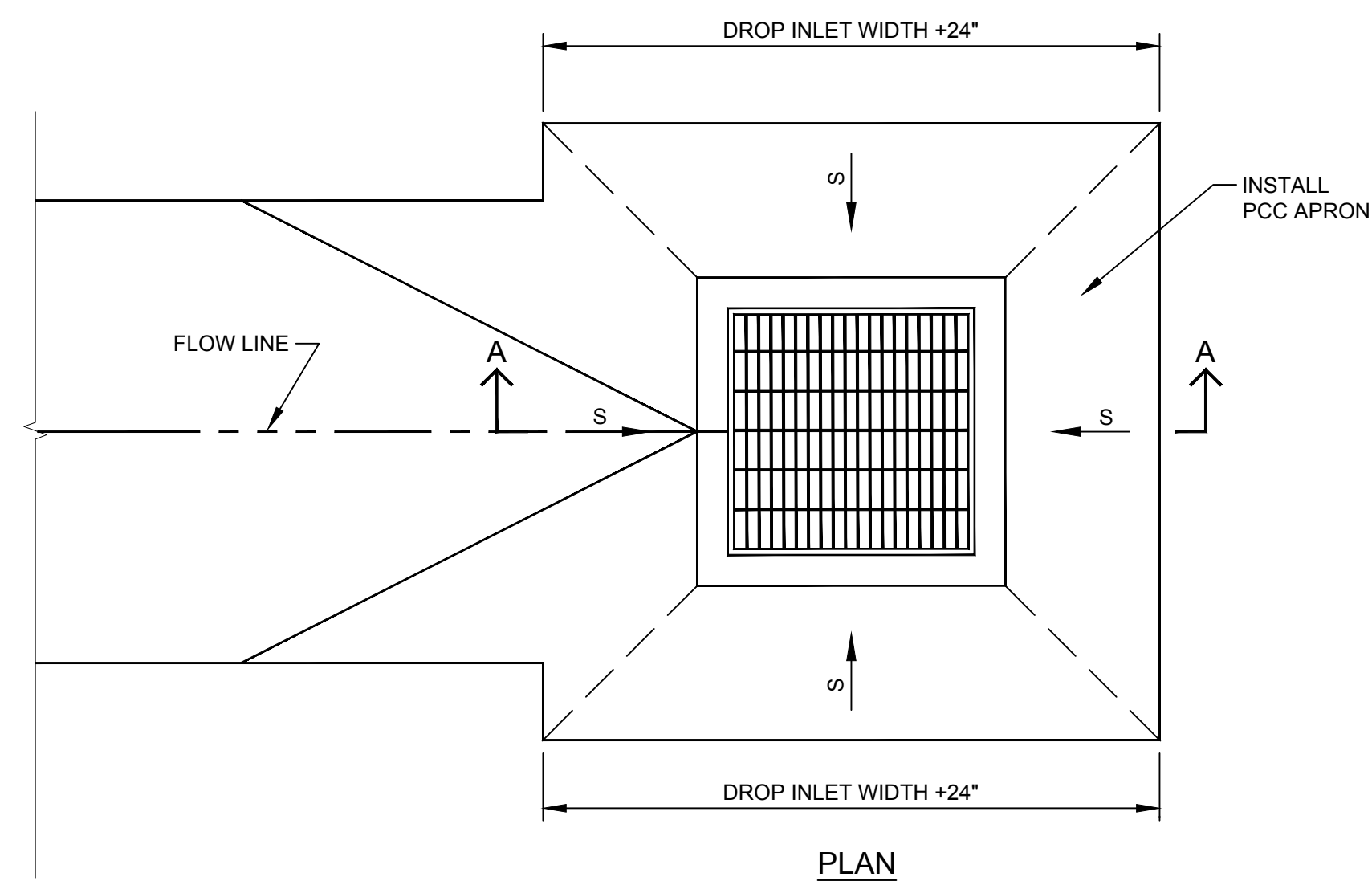


ENLARGEMENT
1"=10'

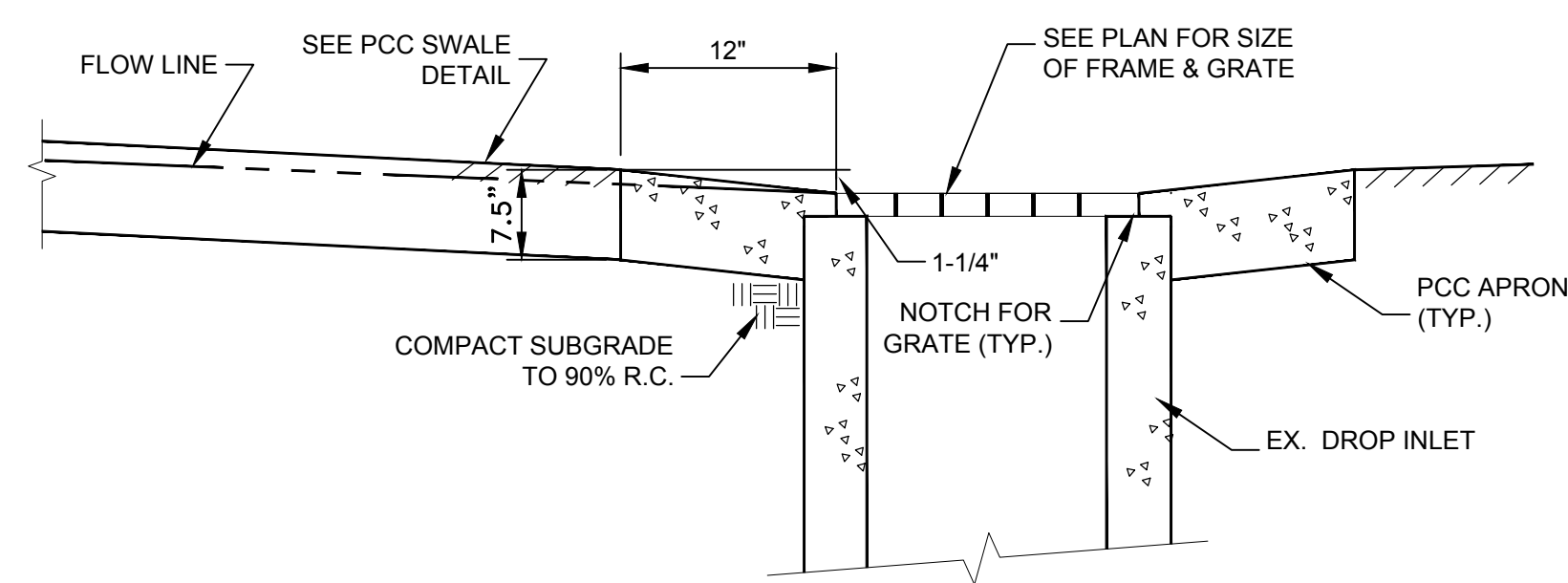
| | |
|---|----------------|
| PROJECT ENGINEER: WILLIAM J. LONG | |
| LICENSE: C047552 | EXP.: 12-31-18 |
| PLAN STATUS: PLANS FOR CONSTRUCTION | |

Pavement Engineering Inc.
You can ride on our reputation
 Corporate Office:
 3485 Sacramento Drive, Suite A
 San Luis Obispo, CA 93401-6015
 805-781-2265

| | |
|--|------------------------------------|
| SOLANO COMMUNITY COLLEGE 4000 SUISUN VALLEY ROAD FAIRFIELD, CA | |
| SCALE: 1"=10' | APPROVED BY: |
| DATE: NOV. 2017 | REVISIONS: |
| 2017 PAVEMENT REHABILITATION PROJECT GRADING PLAN | |
| KITCHELL CEM | DRAWING NUMBER 170280-01 4 OF 5 |

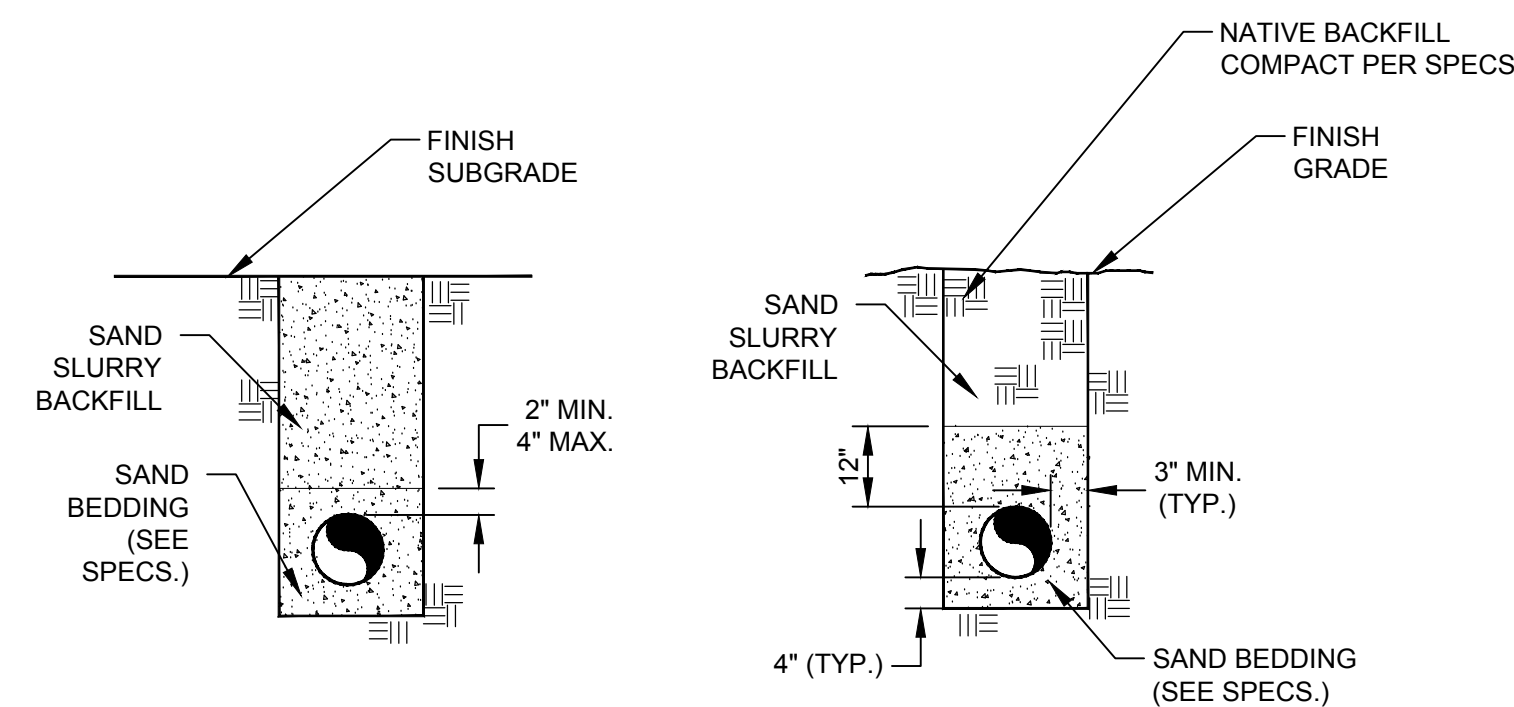


PLAN



SECTION A-A

TYPICAL DROP INLET APRON @ SWALE CONNECTION
(ALTERNATE NO. 2)
NTS

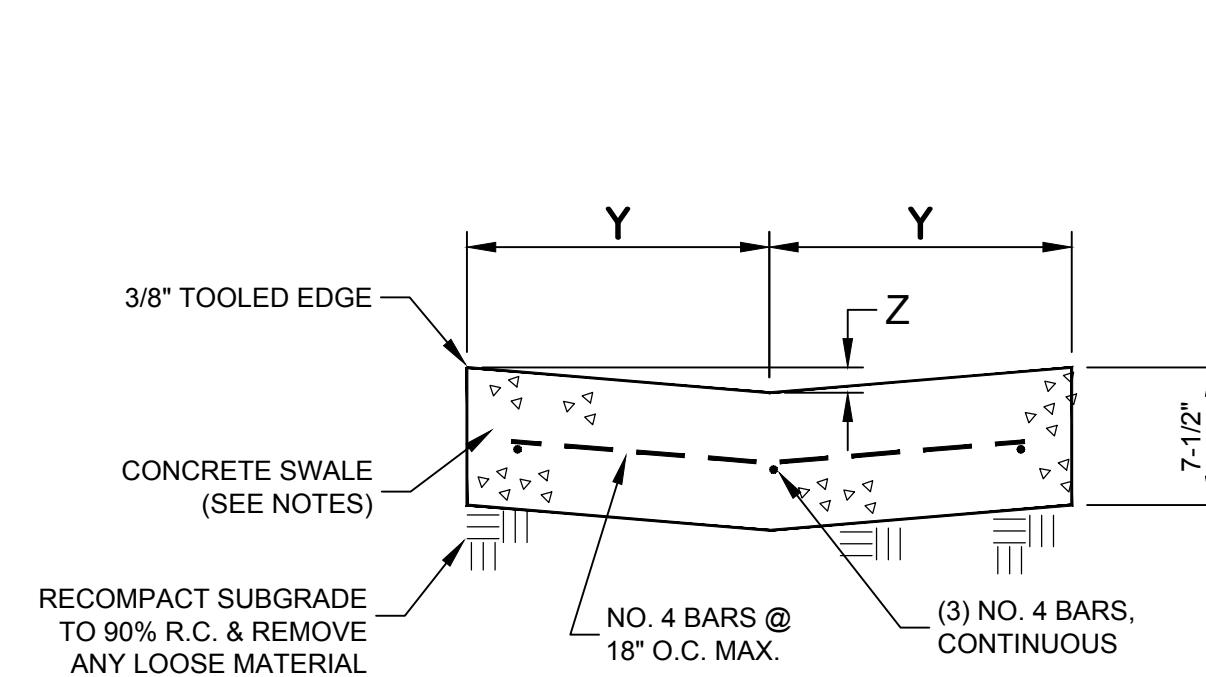


BACKFILL UNDER PAVEMENT

BACKFILL UNDER LANDSCAPE

NOTES:
1) "BACKFILL UNDER PAVEMENT" SHALL APPLY IN ALL AREAS OF EXISTING &/OR NEW PAVEMENT AND ADJACENT, PAVED WALKWAYS. "BACKFILL UNDER LANDSCAPE" SHALL APPLY IN ALL LANDSCAPE PLANTER AREAS AND ALL AREAS TO REMAIN UNPAVED ACCORDING TO THE PROJECT PLANS.
2) SEE PLANS FOR PIPE SIZES.

TYPICAL TRENCH BACKFILL DETAIL
(ALTERNATE NO. 1)
NTS



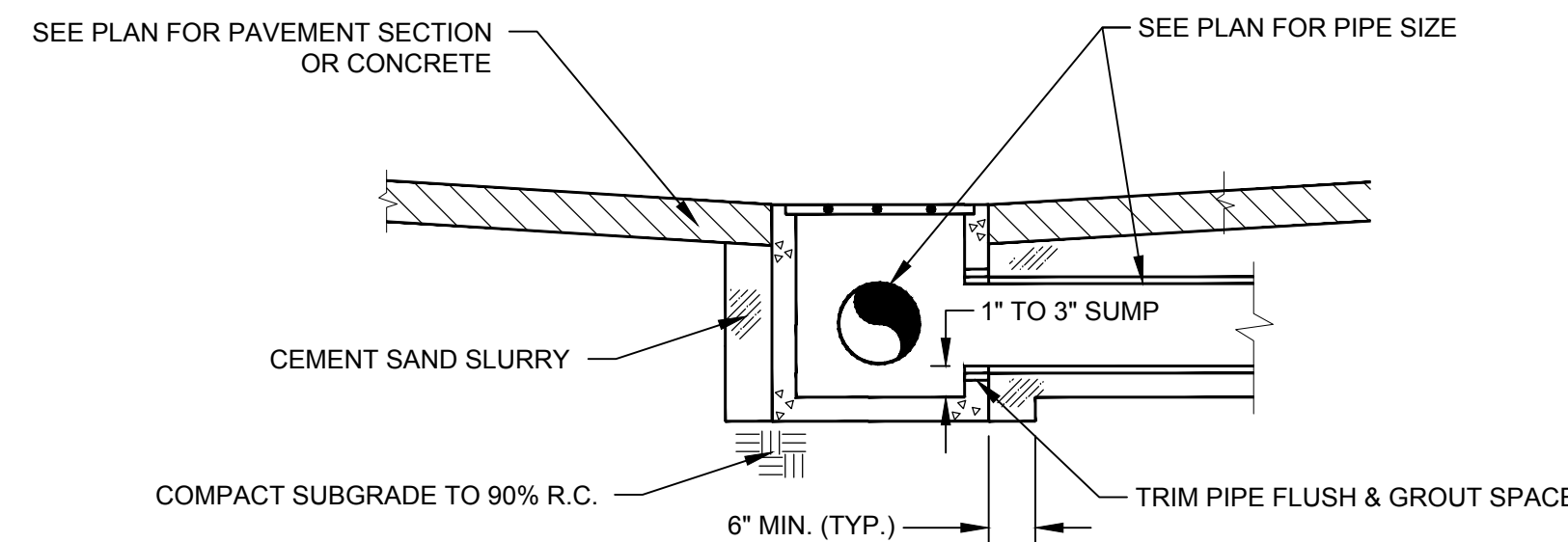
DIMENSION CHART

| SWALE TYPE | HALF WIDTH (Y) | DEPTH (Z) |
|------------|----------------|-----------|
| S24 | 12" | 1/4" |

NOTES:

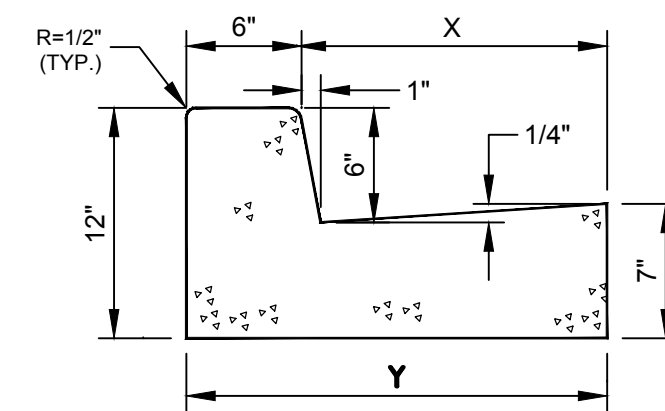
1. DEPTH OF SWALE VARIES. WHERE SWALE INTERSECTS W/ADA PATH OF TRAVEL, ADJUST FLOWLINE DEPTH SUCH THAT SLOPE ON SIDES OF SWALE DO NOT EXCEED 5%.
2. INSTALL CONTRACTION JOINTS @ 10' O.C. MAX.
3. SWALE SURFACE SHALL BE BROOM-FINISHED.

PCC SWALE W/REINFORCEMENT
(ALTERNATE NO. 1)
NTS



DROP INLET INSTALLATION DETAIL
(ALTERNATE NO. 2)

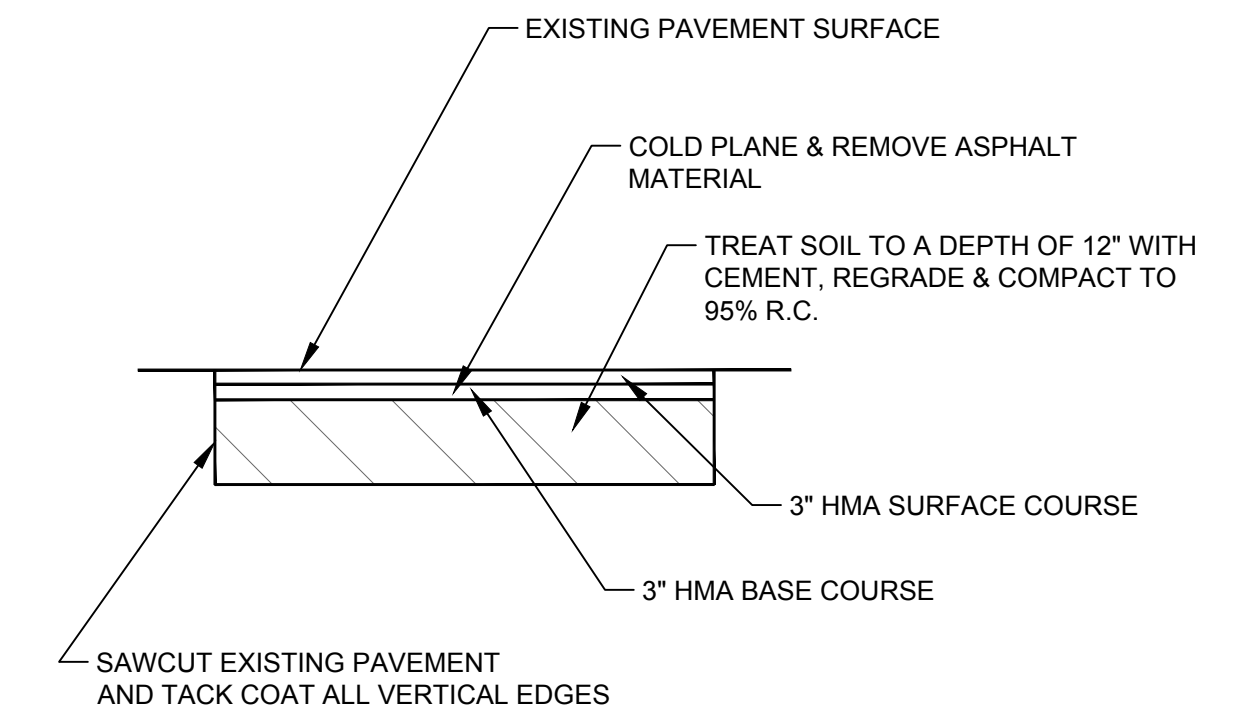
NOTE
CONTROL JOINTS SHALL BE @ 10' O.C. MAXIMUM SEE SPECIFICATIONS FOR REQUIREMENTS



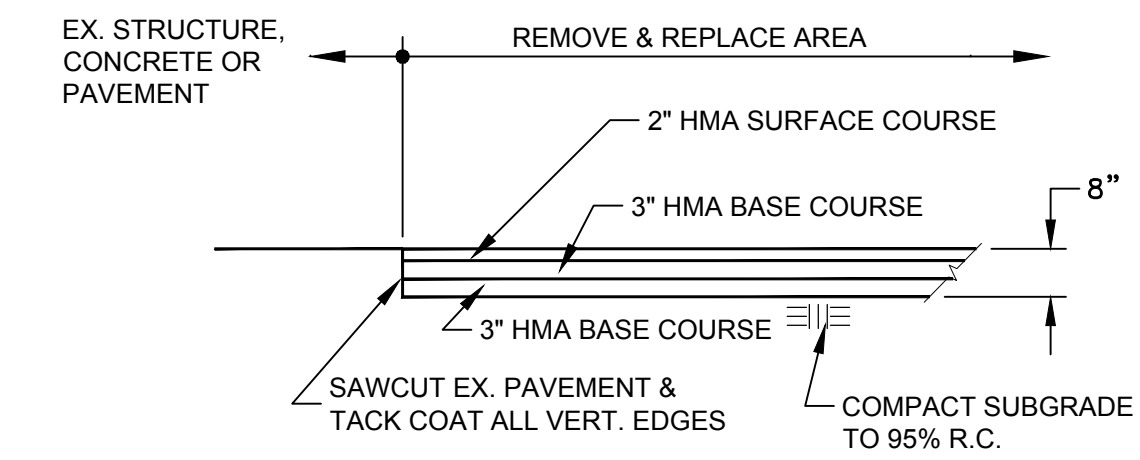
DIMENSION CHART

| GUTTER TYPE | GUTTER PAN (X) | TOTAL WIDTH (Y) |
|-------------|----------------|-----------------|
| CG12 | 12" | 18" |
| CG18 | 18" | 24" |
| CG24 | 24" | 30" |

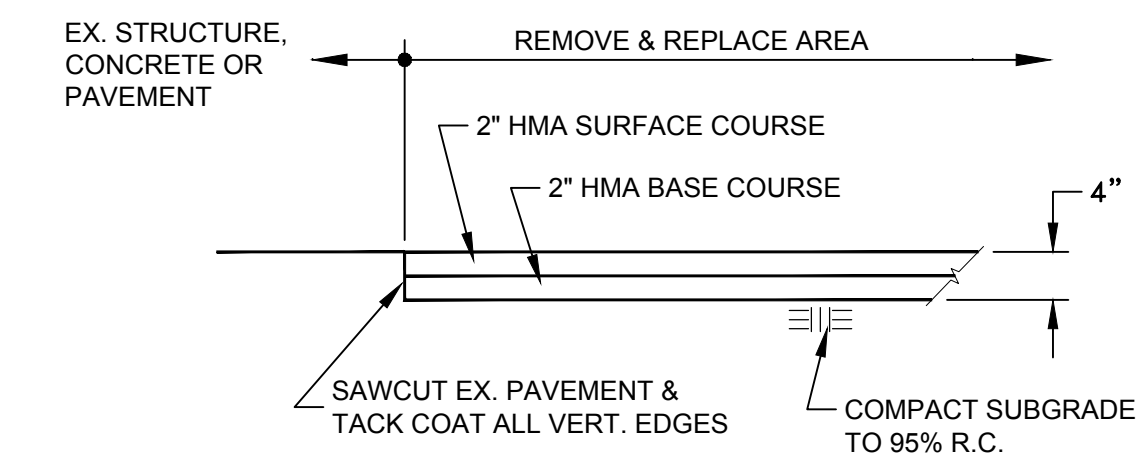
PCC CURB & GUTTER DETAIL
(ALTERNATE NO. 1)
NTS



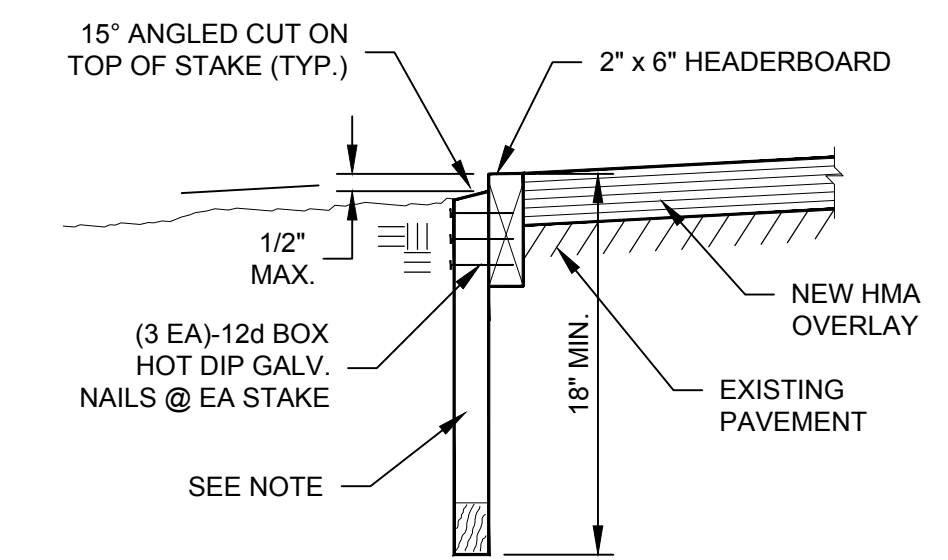
REMOVE 5" (EX) MATERIAL; CEMENT TREAT
AGGREGATE BASE TO A DEPTH OF 12";
REGRADE & PLACE 6" HMA
NTS



REMOVE & REPLACE 8" HMA
NTS



REMOVE & REPLACE 4" HMA
NTS



NOTE
2" x 4" x 18" MIN. STAKES @ 32" O.C. &
2" x 6" x 18" MIN. STAKES @ HEADERBOARD JOINTS

2x6 HEADERBOARD DETAIL
NTS

PROJECT ENGINEER: WILLIAM J. LONG
LICENSE: C047552 EXP.: 12-31-18
PLAN STATUS:
PLANS FOR
CONSTRUCTION

Pavement Engineering Inc.
You can ride on our reputation
Corporate Office:
3485 Sacramento Drive, Suite A
San Luis Obispo, CA 93401-6015
805-781-2265

SOLANO COMMUNITY COLLEGE
4000 SUISUN VALLEY ROAD
FAIRFIELD, CA
SCALE: 1"=20'
DATE: NOV. 2017
APPROVED BY:
DRAWN BY: ASH/TL5
REVISED:
2017 PAVEMENT REHABILITATION PROJECT
DETAILS
KITCHELL CEM
DRAWING NUMBER
170280-01 5 OF 5