

OWEN-AMES-KIMBALL
300 IONIA AVENUE N.W.
GRAND RAPIDS, MI 49503

PORTAGE PUBLIC SCHOOLS
NORTH MIDDLE SCHOOL ASPHALT BID PACKAGE

PROJECT NO. 1027-1C1

ADDENDUM NO. 2

June 18, 2018

The following items are changes, clarifications, corrections of errors, etc., with respect to the Contract Documents previously issued. This addendum shall be a part of the Contract Documents.

Items listed below may or may not affect the cost of the Contractor's Proposal. Changes in cost shall be incorporated in the Contractor's Proposal.

ITEM No. 1 – Add and replace the following drawings:

- C-106 – North Site Improvements and Geometrics Plan (2018.06.13 PR 11) – Reissued
- C-107 – South Site Improvements and Geometrics Plan (2018.06.13 PR 11) – Reissued
- C-108 – North Site Grading Plan (2018.06.13 PR 11) – Issued
- C-109 – South Site Grading Plan (2018.06.13 PR 11) – Issued
- C-301 – Civil Notes and Details (2017.03.24 Construction) – Issued

ITEM No.2 – Change the Bid Opening to:

Sealed bids, in triplicate, for the Portage Public Schools North Middle School - Asphalt, will be received at Owen-Ames-Kimball Co., 300 Ionia NW, Grand Rapids, MI 49503 on Monday, June 25, 2018 until 2:00pm local time. Bids received after this time will neither be considered nor accepted.

All proposals received by the time and date stated above will be opened and read publicly at 4:00pm local time on Monday, June 25, 2018, at the Portage Public Schools Administration Building, 8107 Mustang Dr, Portage, MI 49002. Bids may be hand delivered to an OAK representative before the bid opening.

Bids may be mailed to Owen-Ames-Kimball Co., 300 Ionia NW, Grand Rapids, MI 49503. Mailed bids must be received prior to the bid due time and date stated above. FAXED OR EMAILED BIDS WILL NOT BE ACCEPTED.

END OF ADDNEDUM 2

SITE IMPROVEMENT KEY

- 1 CONCRETE SIDEWALK
- 2 LAWN/LANDSCAPE AREA, REFER TO LANDSCAPE SHEETS FOR REQUIREMENTS
- 3 LIGHT DUTY HMA PAVEMENT
- 4 HEAVY DUTY HMA PAVEMENT
- 5 CONCRETE CURB AND GUTTER
- 6 24" WIDE STOP BAR PAVEMENT MARKING WITH R1-1 STOP SIGN MOUNTED ON 13" LONG #3 STEEL POST
- 7A 12" WIDE WHITE STANDARD CROSSWALK PAVEMENT MARKING
- 7B WHITE CONTINENTAL CROSSWALK PAVEMENT MARKING, BARS 12" WIDE AND SPACED 24" APART
- 8 4" WIDE YELLOW PAVEMENT MARKING, PLACE AT 3' C-C FOR NO PARKING AREAS AND AISLE WAYS.
- 9 4" WIDE BLUE PAVEMENT MARKING, PLACE AT 3' C-C FOR BARRIER-FREE AISLE WAYS. INSTALL BARRIER FREE SYMBOL PAVEMENT MARKING AT EACH SPACE WITH 12"x18" BARRIER FREE SIGN MOUNTED ON 13" LONG STEEL POST. INSTALL VAN ACCESSIBLE SIGN AT SPACE TO LEFT OF 8' AISLE.
- 10 SITE LIGHTING, REFER TO ELEC DWGS FOR REQUIREMENTS
- 11 FLAG POLE
- 12 CHAIN-LINK SWING GATE
- 13 CONCRETE STEPS
- 14 SALVAGE EXISTING SIGN TO CITY OF PORTAGE. INSTALL TAPCO RECTANGULAR RAPID FLASH BEACON (RRFB-XL2) OR APPROVED EQUAL WITH PEDESTAL AND (2) EA WLL-2 & (2) EA W16-7PL(R) SIGNS.

SCALE: 1" = 30'



SITE IMPROVEMENT LEGEND

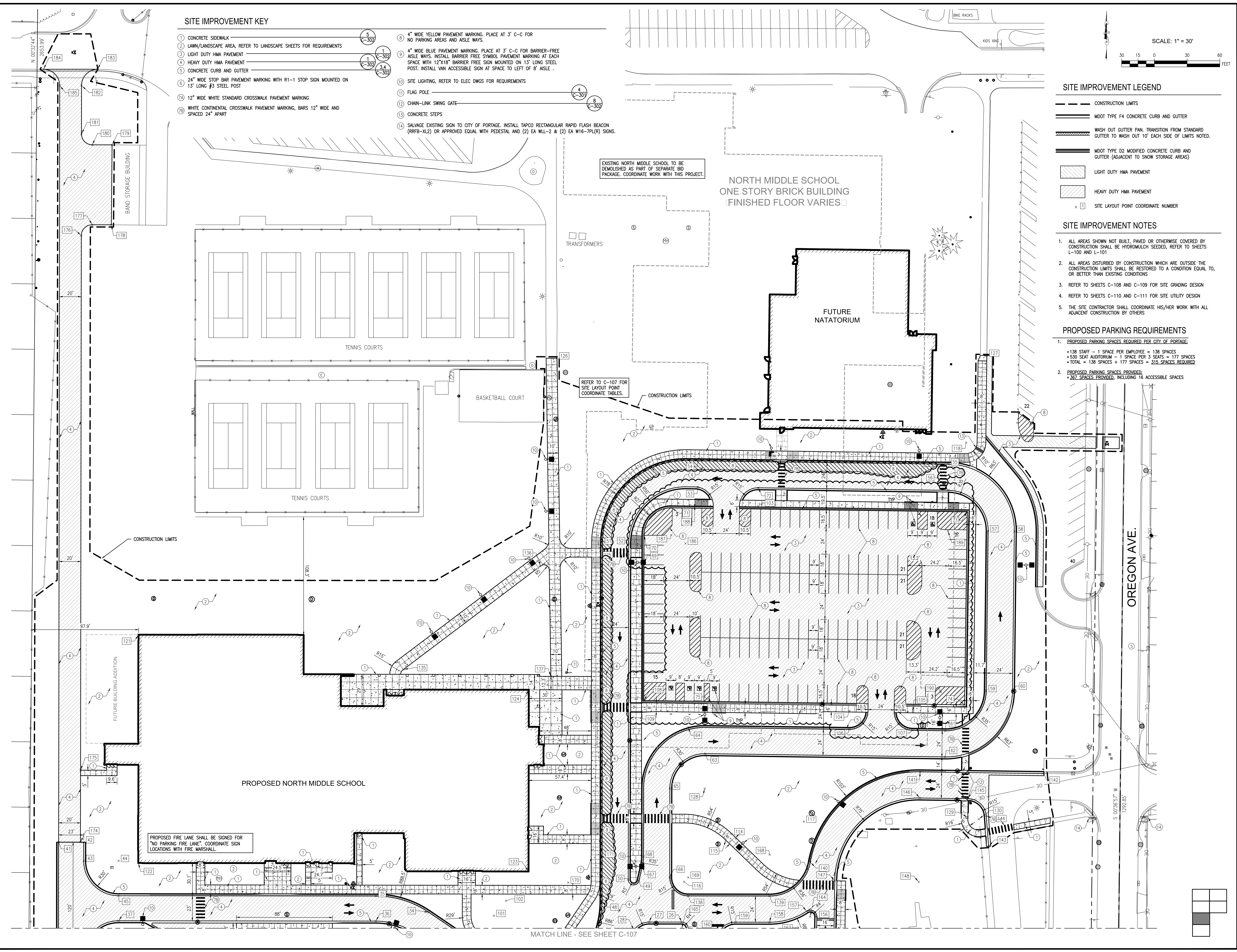
- CONSTRUCTION LIMITS
- ==== MDT TYPE F4 CONCRETE CURB AND GUTTER
- ===== WASH OUT GUTTER PAN, TRANSITION FROM STANDARD GUTTER TO WASH OUT 10' EACH SIDE OF LIMITS NOTED.
- ===== MDT TYPE D2 MODIFIED CONCRETE CURB AND GUTTER (ADJACENT TO SNOW STORAGE AREAS)
- ▨ LIGHT DUTY HMA PAVEMENT
- ▩ HEAVY DUTY HMA PAVEMENT
- × [] SITE LAYOUT POINT COORDINATE NUMBER

SITE IMPROVEMENT NOTES

1. ALL AREAS SHOWN NOT BUILT, PAVED OR OTHERWISE COVERED BY CONSTRUCTION SHALL BE HYDROMULCH SEEDED, REFER TO SHEETS L-100 AND L-101
2. ALL AREAS DISTURBED BY CONSTRUCTION WHICH ARE OUTSIDE THE CONSTRUCTION LIMITS SHALL BE RESTORED TO A CONDITION EQUAL TO, OR BETTER THAN EXISTING CONDITIONS
3. REFER TO SHEETS C-108 AND C-109 FOR SITE GRADING DESIGN
4. REFER TO SHEETS C-110 AND C-111 FOR SITE UTILITY DESIGN
5. THE SITE CONTRACTOR SHALL COORDINATE HIS/HER WORK WITH ALL ADJACENT CONSTRUCTION BY OTHERS

PROPOSED PARKING REQUIREMENTS

1. PROPOSED PARKING SPACES REQUIRED PER CITY OF PORTAGE:
 - 138 STAFF = 1 SPACE PER EMPLOYEE = 138 SPACES
 - 530 SEAT AUDITORIUM = 1 SPACE PER 3 SEATS = 177 SPACES
 - TOTAL = 138 SPACES + 177 SPACES = 315 SPACES REQUIRED
2. PROPOSED PARKING SPACES PROVIDED:
 - 367 SPACES PROVIDED, INCLUDING 16 ACCESSIBLE SPACES



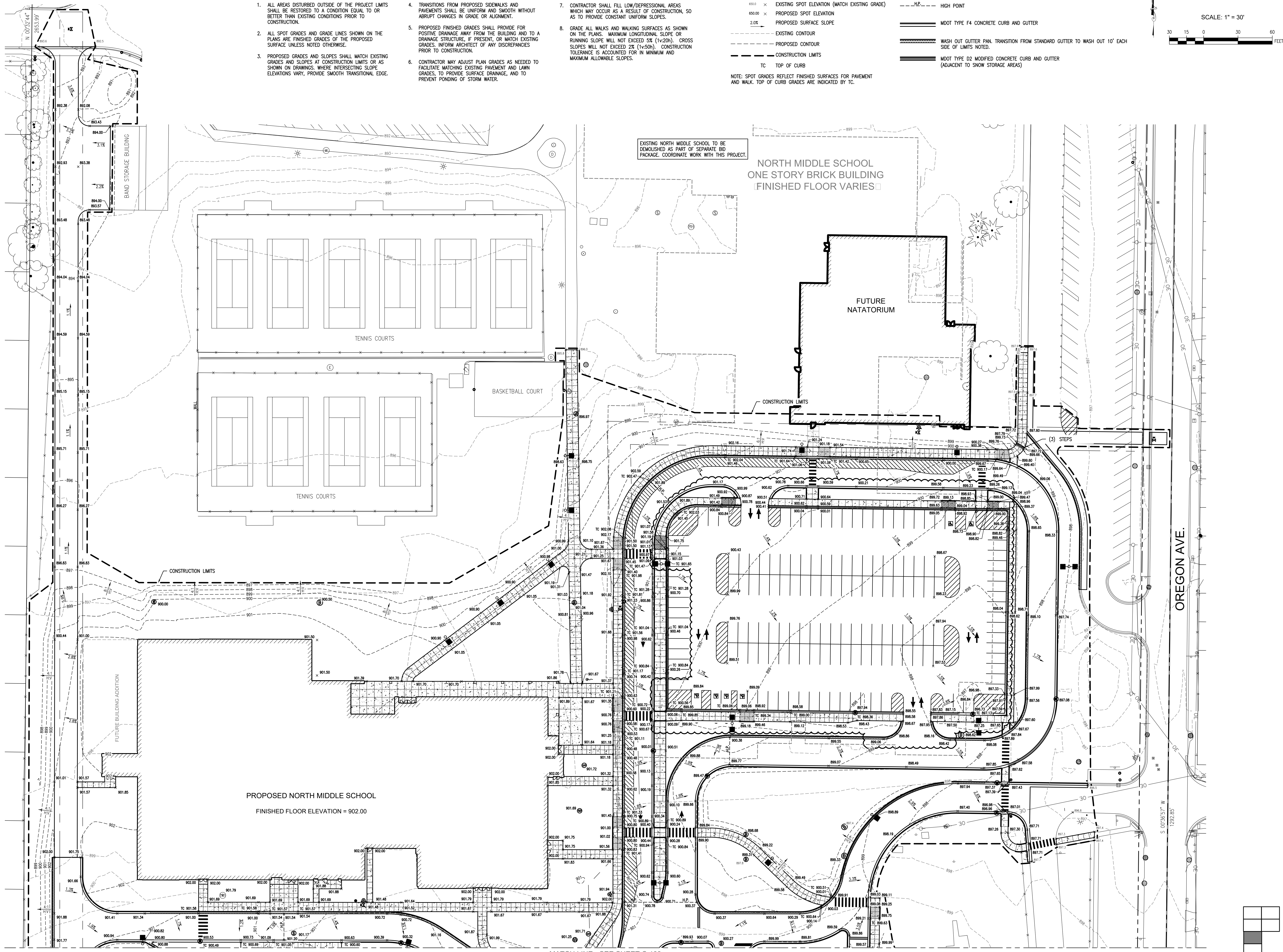
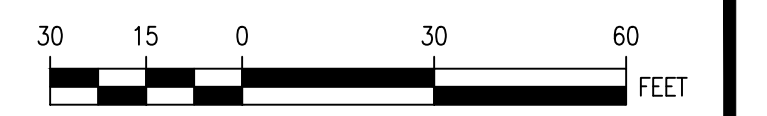
GRADING & DRAINAGE NOTES

- ALL AREAS DISTURBED OUTSIDE OF THE PROJECT LIMITS SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- ALL SPOT GRADES AND GRADE LINES SHOWN ON THE PLANS ARE FINISHED GRADES OF THE PROPOSED SURFACE UNLESS NOTED OTHERWISE.
- PROPOSED GRADES AND SLOPES SHALL MATCH EXISTING GRADES AND SLOPES AT CONSTRUCTION LIMITS OR AS SHOWN ON DRAWINGS. WHERE INTERSECTING SLOPE ELEVATIONS VARY, PROVIDE SMOOTH TRANSITIONAL EDGE.
- TRANSITIONS FROM PROPOSED SIDEWALKS AND PAVEMENTS SHALL BE UNIFORM AND SMOOTH WITHOUT ABRUPT CHANGES IN GRADE OR ALIGNMENT.
- PROPOSED FINISHED GRADES SHALL PROVIDE FOR POSITIVE DRAINAGE AWAY FROM THE BUILDING AND TO A DRAINAGE STRUCTURE, IF PRESENT, OR MATCH EXISTING GRADES. INFORM ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- CONTRACTOR MAY ADJUST PLAN GRADES AS NEEDED TO FACILITATE MATCHING EXISTING PAVEMENT AND LAWN GRADES, TO PROVIDE SURFACE DRAINAGE, AND TO PREVENT PONDING OF STORM WATER.
- CONTRACTOR SHALL FILL LOW/DEPRESSIONAL AREAS WHICH MAY OCCUR AS A RESULT OF CONSTRUCTION, SO AS TO PROVIDE CONSTANT UNIFORM SLOPES.
- GRADE ALL WALKS AND WALKING SURFACES AS SHOWN ON THE PLANS. MAXIMUM LONGITUDINAL SLOPE OR RUNNING SLOPE WILL NOT EXCEED 5% (1v:20h). CROSS SLOPES WILL NOT EXCEED 2% (1v:50h). CONSTRUCTION TOLERANCE IS ACCOUNTED FOR IN MINIMUM AND MAXIMUM ALLOWABLE SLOPES.

GRADING LEGEND

- HP--- HIGH POINT
 - MOT TYPE F4 CONCRETE CURB AND GUTTER
 - WASH OUT GUTTER PAN. TRANSITION FROM STANDARD GUTTER TO WASH OUT 10' EACH SIDE OF LIMITS NOTED.
 - MOT TYPE D2 MODIFIED CONCRETE CURB AND GUTTER (ADJACENT TO SNOW STORAGE AREAS)
 - 650.0 x EXISTING SPOT ELEVATION (MATCH EXISTING GRADE)
 - 650.00 x PROPOSED SPOT ELEVATION
 - 2.0% PROPOSED SURFACE SLOPE
 - - - - - EXISTING CONTOUR
 - - - - - PROPOSED CONTOUR
 - - - - - CONSTRUCTION LIMITS
 - TC TOP OF CURB
- NOTE: SPOT GRADES REFLECT FINISHED SURFACES FOR PAVEMENT AND WALK. TOP OF CURB GRADES ARE INDICATED BY TC.

SCALE: 1" = 30'



EXISTING NORTH MIDDLE SCHOOL TO BE DEMOLISHED AS PART OF SEPARATE BID PACKAGE. COORDINATE WORK WITH THIS PROJECT.

NORTH MIDDLE SCHOOL
ONE STORY BRICK BUILDING
FINISHED FLOOR VARIES

FUTURE NATATORIUM

TENNIS COURTS

BASKETBALL COURT

TENNIS COURTS

PROPOSED NORTH MIDDLE SCHOOL
FINISHED FLOOR ELEVATION = 902.00

OREGON AVE.

MATCH LINE - SEE SHEET C-109

WE RECYCLE
 APPROVED BY: [Signature]
 CHECKED BY: [Signature]
 DESIGNED BY: [Signature]
 PLOTTED BY: [Signature]
 DATE: 2018.06.13



PORTAGE PUBLIC SCHOOLS
NORTH MIDDLE SCHOOL
 PORTAGE, KALAMAZOO COUNTY, MI

NORTH SITE GRADING PLAN

REVISIONS

NO.	DATE	DESCRIPTION
1	2018.06.13	PR. 11

SCALE: AS SHOWN
 PROJ. # 160020
 DATE: 2018.06.13
 SHEET

C-108

DESIGNED BY: ...
CHECKED BY: ...
APPROVED BY: ...
DRAWN BY: ...
PROJECTED BY: ...
DATE: 2018.06.13

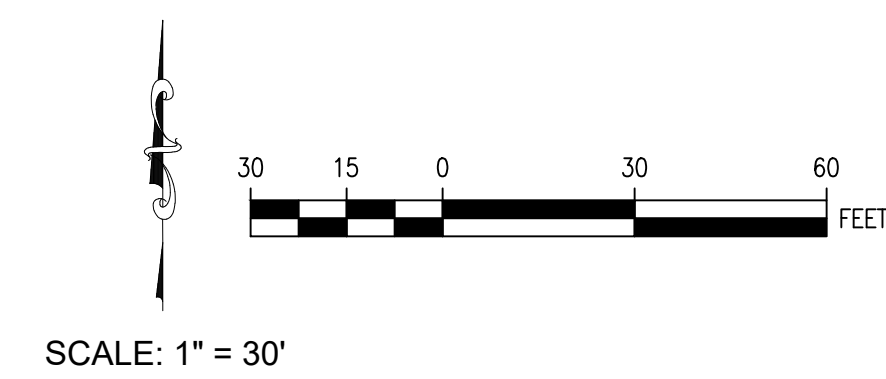
GRADING & DRAINAGE NOTES

- 1. ALL AREAS DISTURBED OUTSIDE OF THE PROJECT LIMITS SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- 2. ALL SPOT GRADES AND GRADE LINES SHOWN ON THE PLANS ARE FINISHED GRADES OF THE PROPOSED SURFACE UNLESS NOTED OTHERWISE.
- 3. PROPOSED GRADES AND SLOPES SHALL MATCH EXISTING GRADES AND SLOPES AT CONSTRUCTION LIMITS OR AS SHOWN ON DRAWINGS. WHERE INTERSECTING SLOPE ELEVATIONS VARY, PROVIDE SMOOTH TRANSITIONAL EDGE.
- 4. TRANSITIONS FROM PROPOSED SIDEWALKS AND PAVEMENTS SHALL BE UNIFORM AND SMOOTH WITHOUT ABRUPT CHANGES IN GRADE OR ALIGNMENT.
- 5. PROPOSED FINISHED GRADES SHALL PROVIDE FOR POSITIVE DRAINAGE AWAY FROM THE BUILDING AND TO A DRAINAGE STRUCTURE, IF PRESENT, OR MATCH EXISTING GRADES. INFORM ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- 6. CONTRACTOR MAY ADJUST PLAN GRADES AS NEEDED TO FACILITATE MATCHING EXISTING PAVEMENT AND LAWN GRADES, TO PROVIDE SURFACE DRAINAGE, AND TO PREVENT PONDING OF STORM WATER.
- 7. CONTRACTOR SHALL FILL LOW/DEPRESSIONAL AREAS WHICH MAY OCCUR AS A RESULT OF CONSTRUCTION, SO AS TO PROVIDE CONSTANT UNIFORM SLOPES.
- 8. GRADE ALL WALKS AND WALKING SURFACES AS SHOWN ON THE PLANS. MAXIMUM LONGITUDINAL SLOPE OR RUNNING SLOPE WILL NOT EXCEED 5% (1v/20h). CROSS SLOPES WILL NOT EXCEED 2% (1v/50h). CONSTRUCTION TOLERANCE IS ACCOUNTED FOR IN MINIMUM AND MAXIMUM ALLOWABLE SLOPES.

GRADING LEGEND

- EXISTING SPOT ELEVATION (MATCH EXISTING GRADE)
- PROPOSED SPOT ELEVATION
- PROPOSED SURFACE SLOPE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- CONSTRUCTION LIMITS
- TOP OF CURB
- HIGH POINT
- MDOT TYPE F4 CONCRETE CURB AND GUTTER
- WASH OUT GUTTER PAN. TRANSITION FROM STANDARD GUTTER TO WASH OUT 10' EACH SIDE OF LIMITS NOTED.
- MDOT TYPE D2 MODIFIED CONCRETE CURB AND GUTTER (ADJACENT TO SNOW STORAGE AREAS)

NOTE: SPOT GRADES REFLECT FINISHED SURFACES FOR PAVEMENT AND WALK. TOP OF CURB GRADES ARE INDICATED BY TC.



MATCH LINE - SEE SHEET C-108

COMMUNITY HIGH SCHOOL
ONE STORY BRICK BUILDING
FINISHED FLOOR 902.35 NAVD88

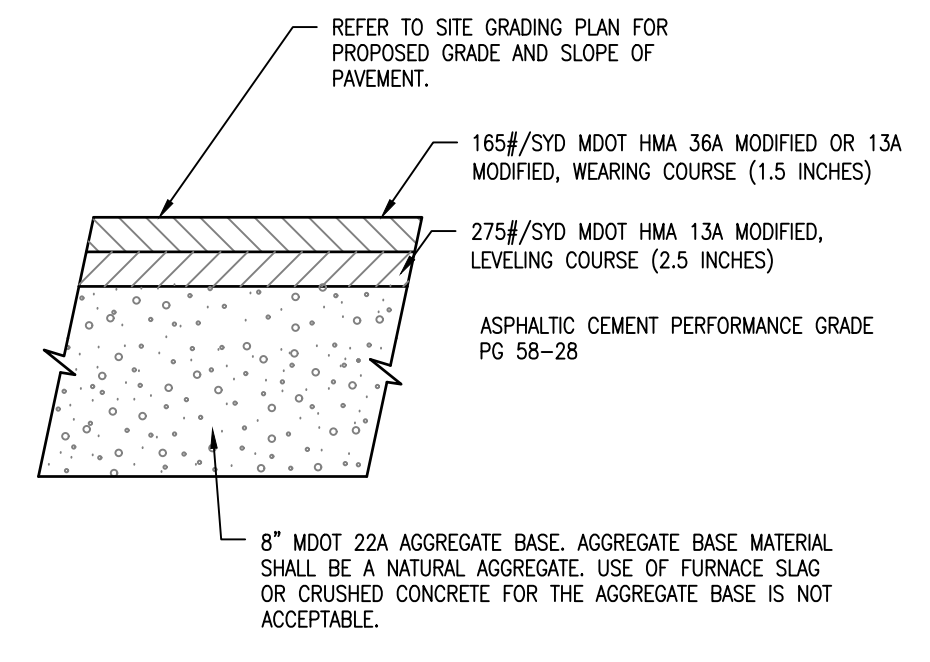
OREGON AVE.

WEST MILHAM AVE.

CONSTITUTION BLVD.

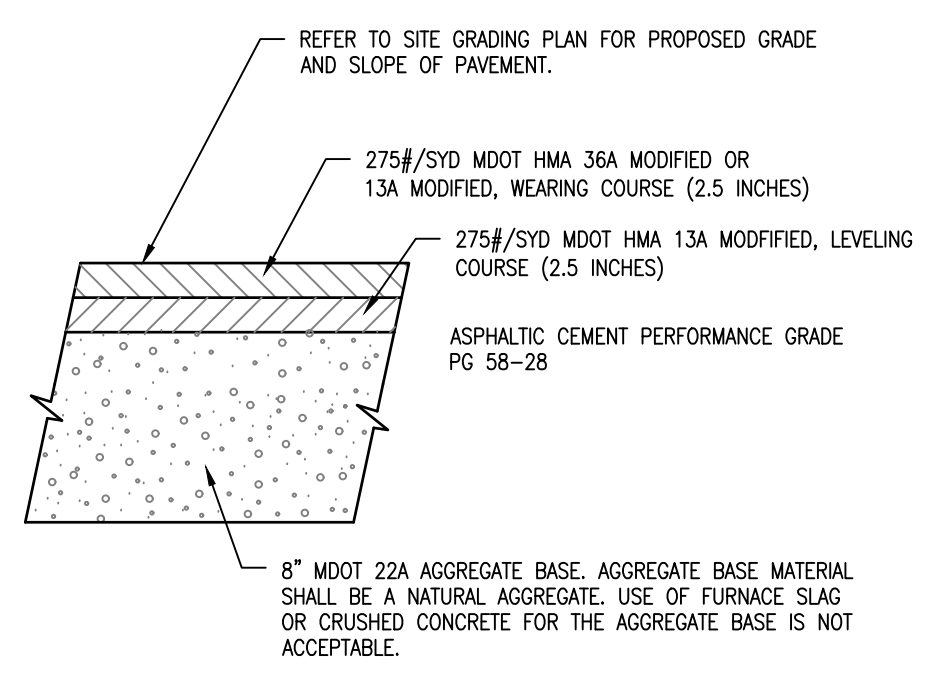
N 89°13'43" W
998.02'

c2oe architecture + engineering
PORTAGE PUBLIC SCHOOLS
NORTH MIDDLE SCHOOL
PORTAGE, KALAMAZOO COUNTY, MI
SOUTH SITE GRADING PLAN
REVISIONS
2018.06.13 PR.11
SCALE: AS SHOWN
PROJ. #: 160020
DATE: 2018.06.13
SHEET
C-109
PR 11



**LIGHT DUTY HMA — PARKING AREAS
PAVEMENT SECTION**

NO SCALE

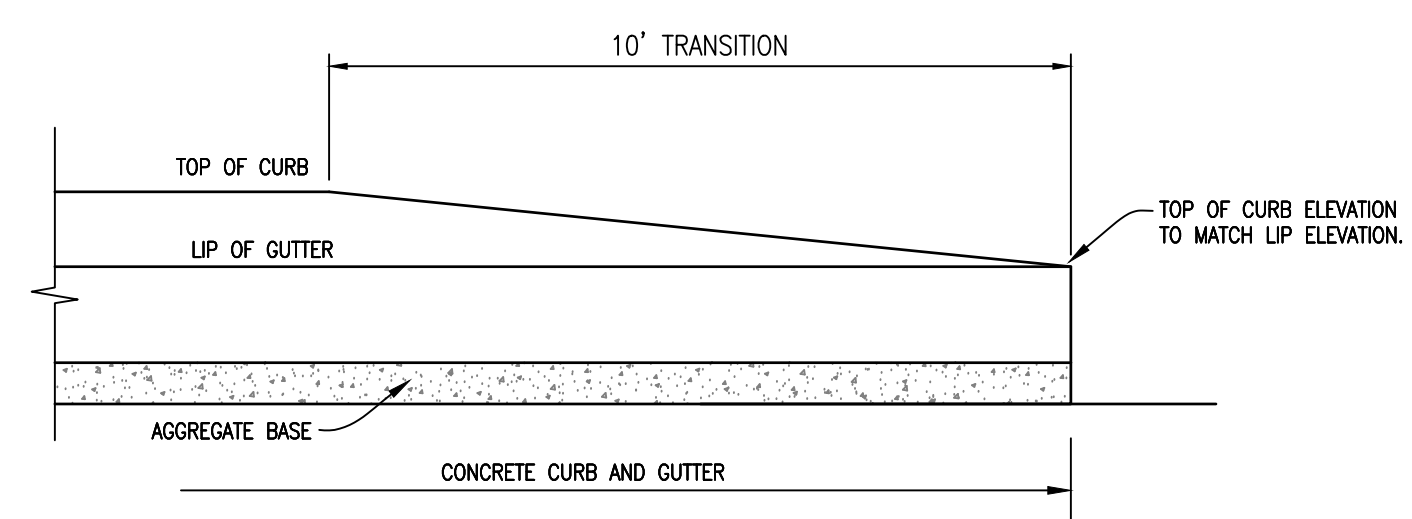


**HEAVY DUTY HMA — DRIVE AREAS
PAVEMENT SECTION**

NO SCALE

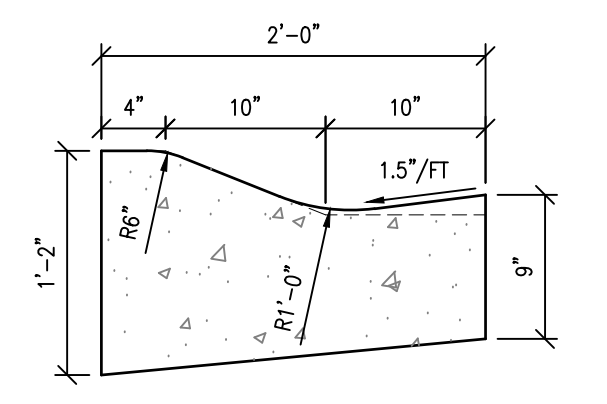
- NOTES:
1. THE 13A HMA MIX SHALL BE MODIFIED TO PROVIDE A MINIMUM STABILITY OF 1500 POUNDS AND A MINIMUM CRUSHED CONTENT OF 60 PERCENT.
 2. THE BITUMINOUS MATERIAL SHALL BE PROVIDED USING PG58-28 ASPHALT CEMENT.
 3. THE MIX DESIGNS SHALL TARGET 3.0 PERCENT AIR VOIDS.
 4. RECLAIMED ASPHALT PAVEMENT (RAP) SHALL NOT BE USED IN THE WEARING COURSE AND SHALL BE LIMITED TO 30 PERCENT IN THE LEVELING COURSE.
 5. ALL BITUMINOUS MATERIAL SHALL BE COMPACTED TO A DENSITY OF 94 TO 97 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE RICE METHOD. A ROAD COAT OF 55-70 MILLIEMULSION SHALL BE REQUIRED BETWEEN THE LEVELING AND WEARING COURSE AND BETWEEN LIFTS IN THE LEVELING COURSE. THE BOND COAT SHALL BE APPLIED IN A UNIFORM MANNER OVER THE SURFACE AT A RATE OF 0.1 GALLONS PER SQUARE YARD.
 6. JOINTS IN THE WEARING COURSE SHALL BE OFFSET A MINIMUM OF 12 INCHES FROM THE JOINTS IN THE LEVELING COURSE.

HMA PAVEMENT DETAILS 1
C-302



CURB & GUTTER TRANSITION END 2
C-302

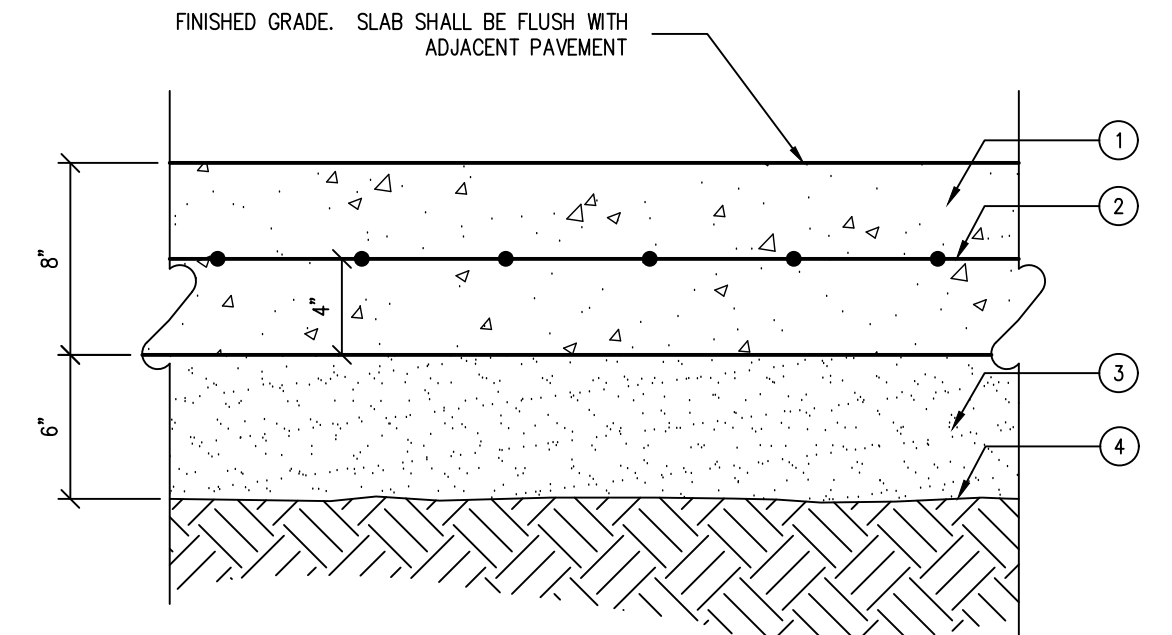
NO SCALE



- NOTE:
1. AGGREGATE BASE TO EXTEND A MINIMUM OF 1-FT BEYOND BACK OF CURB.
 2. REVERSE GUTTER PAN FOR WASHOUT CURB AND GUTTER.

MDOT CURB & GUTTER DETAIL D2, MODIFIED 3
C-302

NO SCALE

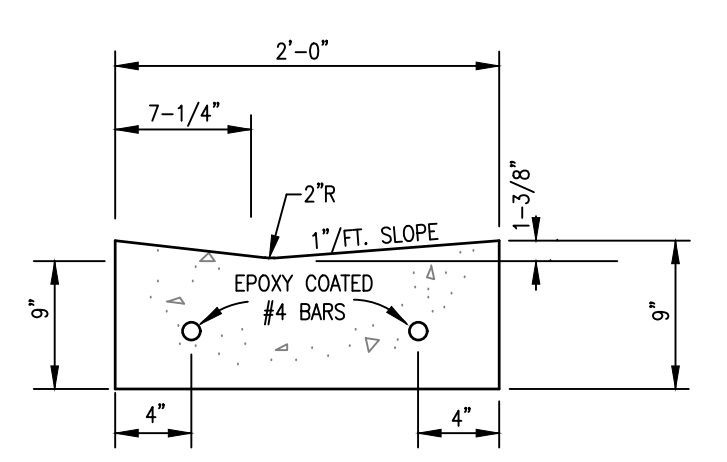


1. 6" MDOT 6-SACK CONCRETE PAVEMENT
2. 6" X 6" W 4.0 W 4.0 PLAIN MWR
3. 6" MDOT 21AA CRUSHED AGGREGATE BASE
4. SUBGRADE COMPACTION

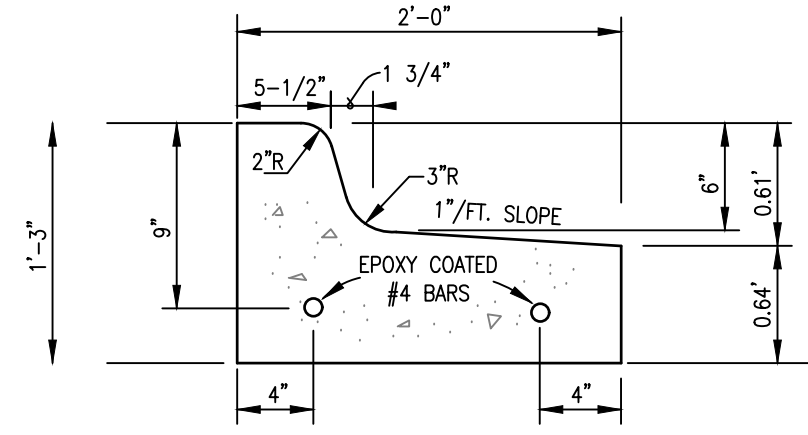
- NOTE:
1. INSTALL CONTRACTION JOINTS AT INTERVALS EQUAL TO EXISTING CONCRETE JOINTING IF MATCHING EXISTING, OTHERWISE INSTALL CONSTRUCTION JOINTS AT INTERVALS EQUAL TO 10'± MAX.
 2. INSTALL ISOLATION JOINTS AT 50' O.C. MAX.

CONCRETE PAD 6
C-302

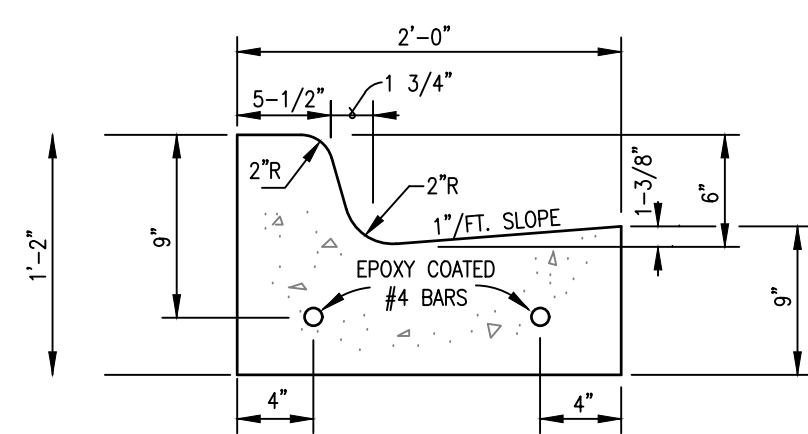
NO SCALE



**DETAIL F4 MODIFIED
(0" HEIGHT CURB)**



**DETAIL F4 MODIFIED
(WASHOUT CURB & GUTTER)**

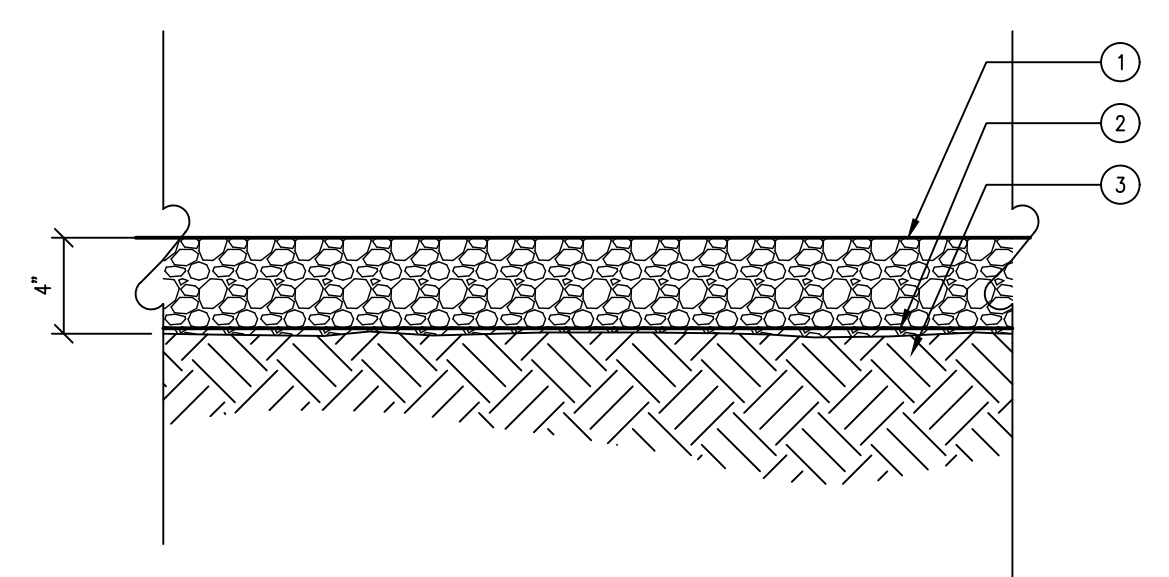


DETAIL F4

- NOTE:
- AGGREGATE BASE TO EXTEND A MINIMUM OF 1-FT BEYOND BACK OF CURB.

MDOT CURB & GUTTER DETAIL F4 4
C-302

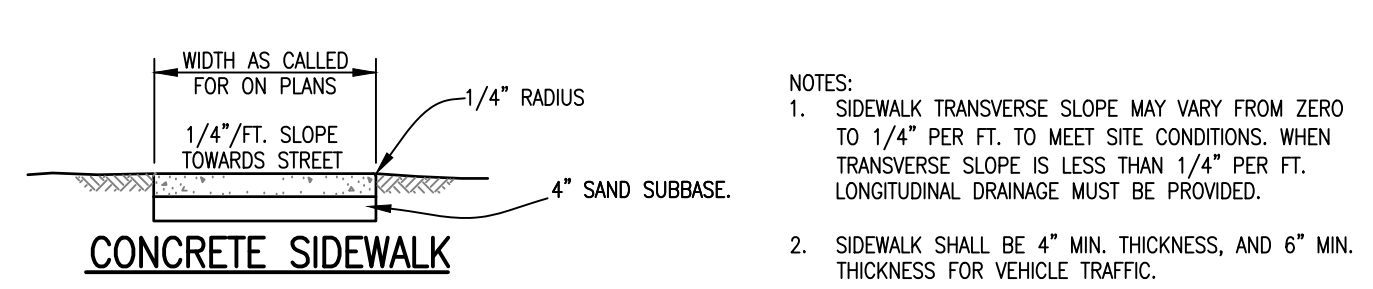
NO SCALE



1. 4" MDOT 6A STONE
2. WOVEN GEOTEXTILE FABRIC WEED BARRIER
3. SUBGRADE COMPACTION

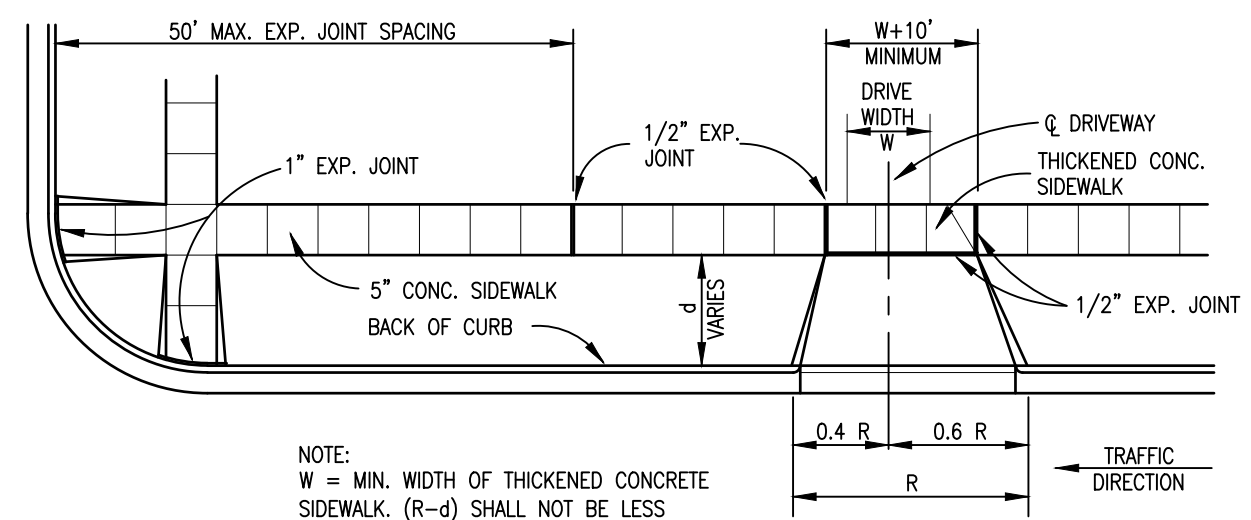
GRAVEL WEARING SURFACE 7
C-302

NO SCALE

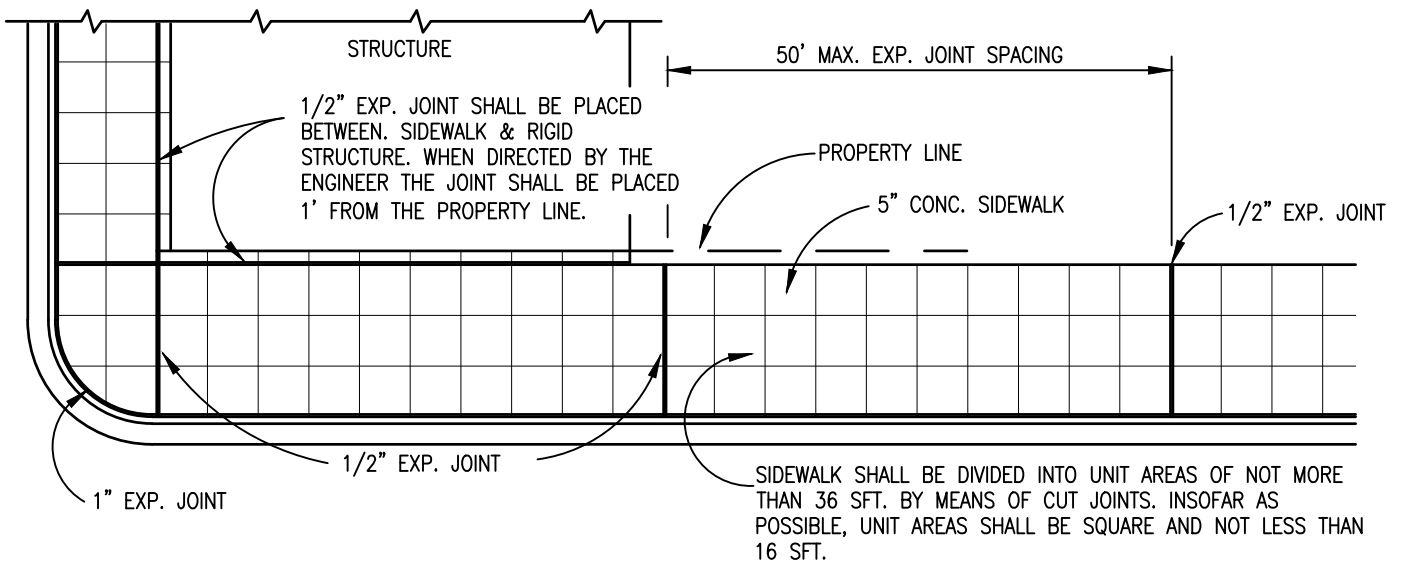


CONCRETE SIDEWALK

- NOTES:
1. SIDEWALK TRANSVERSE SLOPE MAY VARY FROM ZERO TO 1/4" PER FT. TO MEET SITE CONDITIONS. WHEN TRANSVERSE SLOPE IS LESS THAN 1/4" PER FT. LONGITUDINAL DRAINAGE MUST BE PROVIDED.
 2. SIDEWALK SHALL BE 4" MIN. THICKNESS, AND 6" MIN. THICKNESS FOR VEHICLE TRAFFIC.



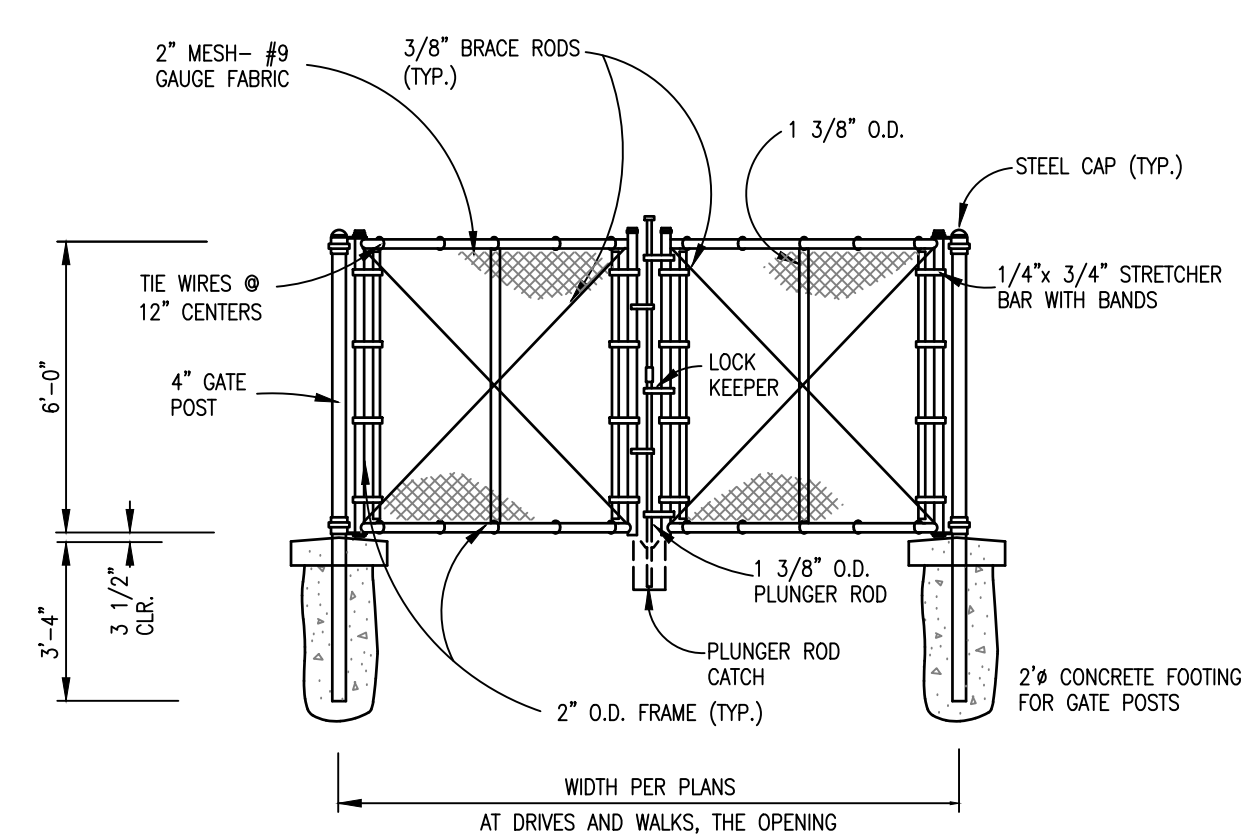
TYPICAL SIDEWALK JOINT LAYOUT 1



TYPICAL SIDEWALK JOINT LAYOUT 3

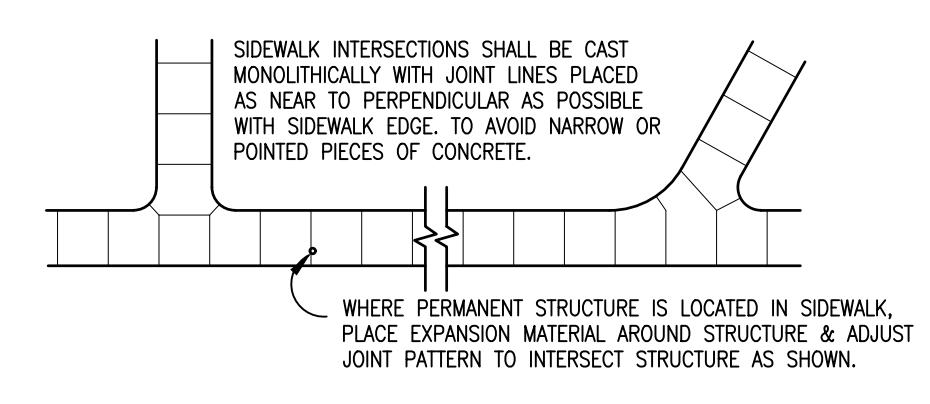
CONCRETE SIDEWALK 5
C-302

NO SCALE



CHAIN LINK SWING GATE DETAIL 8
C-302

NO SCALE



TYPICAL SIDEWALK JOINT LAYOUT 2

- WHERE PERMANENT STRUCTURE IS LOCATED IN SIDEWALK, PLACE EXPANSION MATERIAL AROUND STRUCTURE & ADJUST JOINT PATTERN TO INTERSECT STRUCTURE AS SHOWN.