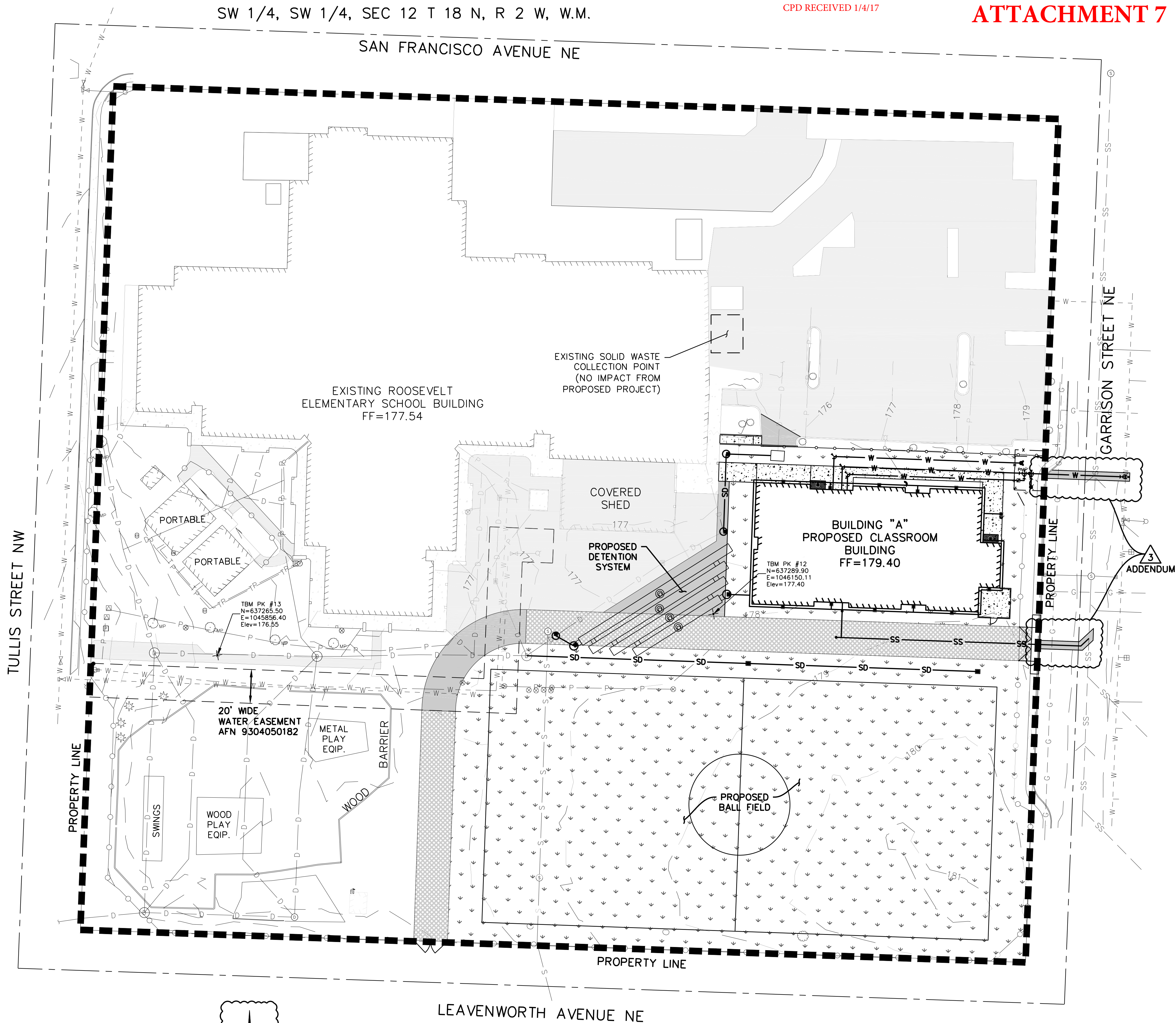
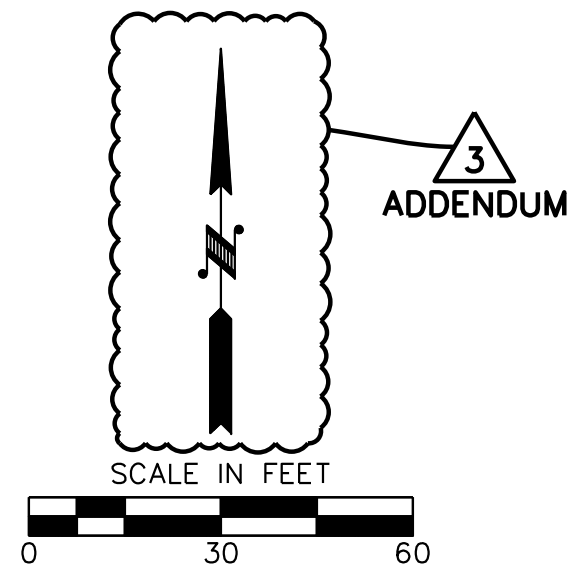
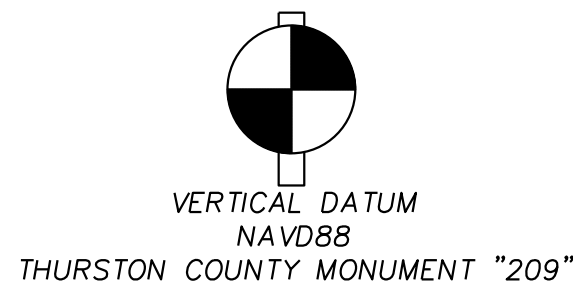


Plotted By: Sun Rowsell on 12/30/16 10:43 AM
G:\Project\2016\16097 MSGS Olympia SD Mini-Buildings\CAD\Project 4 Roosevelt\Drawings\Construction\Production\16097_C01 - COVER SHEET SITE PLAN LEGEND INDEX.dwg Rowsell 12/29/16 10:32 AM

SHT #	TITLE
CE.01	COVER SHEET SITE PLAN LEGEND INDEX
CE.02	EXISTING TOPO SHEET SCHOOL
CE.03	EXISTING TOPO SHEET STREETS
CE.04	DEMO PLAN
CE.05	VERTICAL - HORIZONTAL CONTROL PLAN
CE.06	TESC PLAN
CE.07	TESC NOTES & DETAILS
CE.08	GRADING PLAN
CE.09	GRADING PLAN - BUILDING
CE.10	CONSTRUCTION DETAILS
CE.11	DRAINAGE PLAN
CE.12	DRAINAGE DETAILS
CE.13	DRAINAGE DETAILS
CE.14	WATER PLAN & PROFILE
CE.15	WATER DETAILS & NOTES
CE.16	SEWER PLAN & PROFILE
CE.17	SEWER DETAILS & NOTES

LEGEND	
EXISTING	PROPOSED
	RIGHT OF WAY
	PROPERTY LINE
	LIMITS OF PROJECT
	FENCE
	EDGE OF PAVEMENT
	STORM DRAINAGE
	FOOTING DRAIN
	ROOF DRAIN
	SEWER LINE
	WATER LINE
	POWER
	TELEPHONE
	BUILDING
	PAVEMENT HATCH
	SIDEWALK HATCH
	WOOD CHIP PLAY AREA
	TRANSFORMER
	JUNCTION BOX
	LUMINAIRE
	TELEPHONE VAULT
	WATER VALVE
	HYDRANT
	WATER METER
	FIRE DEPARTMENT CONNECTION
	CATCH BASIN TYPE 1
	CATCH BASIN TYPE 2
	DOWNSPOUT DRAIN
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEANOUT



APPROVED FOR CONSTRUCTION
BY: _____ DATE _____
Engineering Plans Examiner
APPROVAL EXPIRES: _____

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES.
THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555
A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.

**SKILLINGS
CONNOLLY**
5016 Lacey Boulevard SE, Lacey, WA 98503
Ph.: (360) 491-3399 www.skillings.com

p 360 943 6774 f 360 352 7005
www.msgsarch.com
msgs architects
510 capital way south
olympia, washington 98501

**ROOSEVELT ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING**
OLYMPIA SCHOOL DISTRICT
1417 SAN FRANCISCO AVE NE, OLYMPIA, WA, 98506



ISSUE: BID SET
NOVEMBER 28, 2016

Revisions Closing Date
ADDENDUM 3 12/12/2016

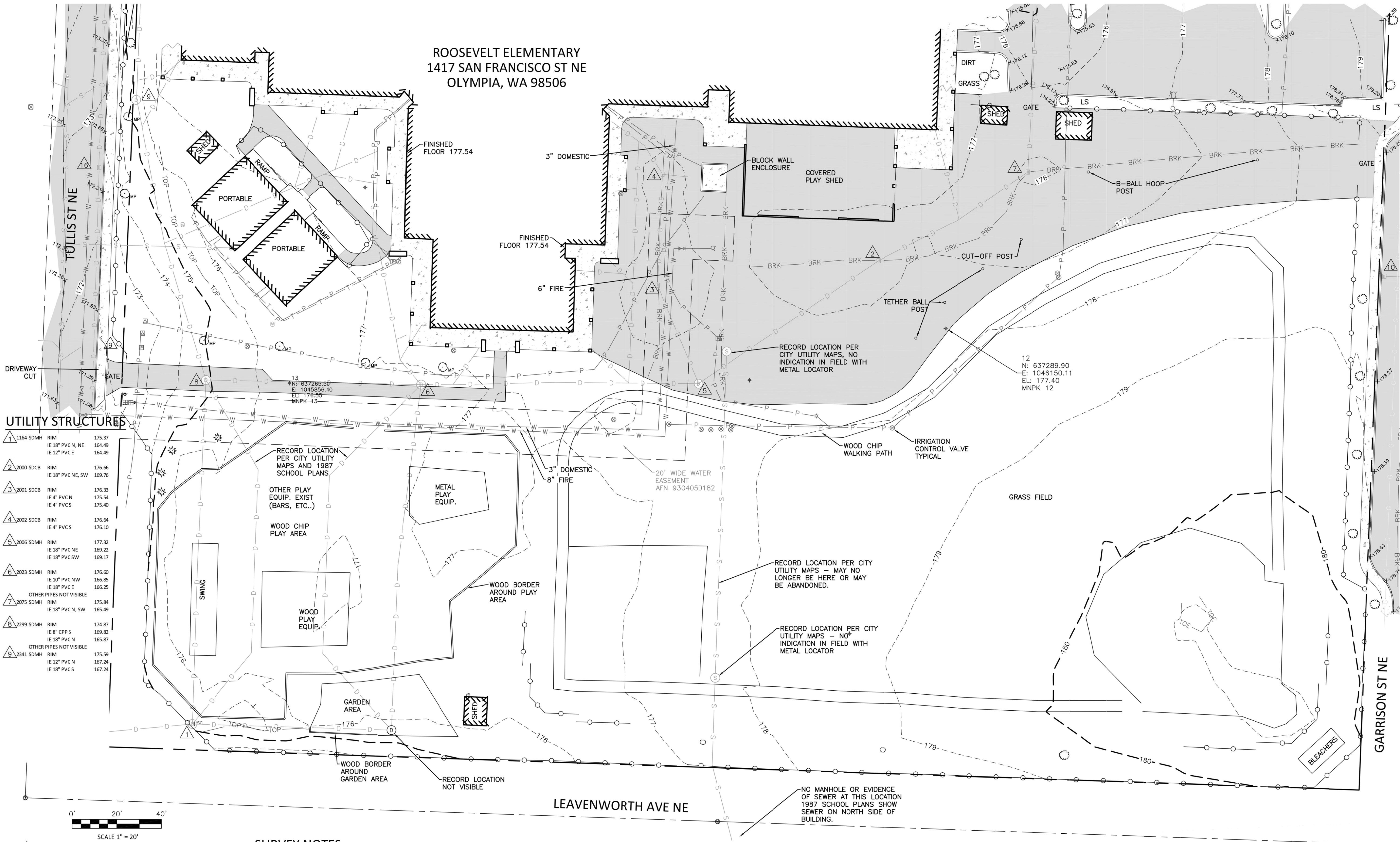
ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MSGS ARCHITECTS AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION.

Sheet title

**COVER SHEET SITE
PLAN LEGEND
INDEX**

Sheet No.
CE.01
MSGS Project No.
16-111

Plotted By: Sam Rowsell on 12/30/16 10:44 AM
G:\Project\2016\16097 MSGS Olympia SD Mini-Buildings\CAD\Project 4 Roosevelt\Drawings\Construction\Production\16097_CEO2 - EXISTING TOPO SHEET SCHOOL.dwg, Mapez 12/8/16 3:45 PM



UTILITY NOTE

UTILITIES SHOWN HEREON ARE FROM MAPPING VISIBLE SURFACE APPURTENANCES, REFERRING TO AS-BUILT RECORDS AND MAPPING UTILITY PAINT MARKS FROM A UTILITY LOCATING SERVICE. BURIED UTILITIES ARE ONLY SHOWN AS APPROXIMATE AND SHOULD BE VERIFIED BEFORE CONSTRUCTION.

SURVEY NOTES

1. INSTRUMENT USED: SOKKIA SRX 3 TOTAL STATION AND TOPCON GR5 GPS.
2. SURVEY COMPLETED 06/2016
3. THE RIGHT-OF-WAY LINES PER CITY OF OLYMPIA SECTION FILES AND TIES TO STREET MONUMENTS.
4. SEE PROJECT COVER SHEET FOR LEGEND.
5. EASEMENTS PER CHICAGO TITLE ORDER NO. 160012247.

DATUM

HORIZONTAL - WASHINGTON STATE PLANE COORDINATES, SOUTH ZONE, NAD 83/91 BASED ON GPS TIES TO THURSTON COUNTY CONTROL MONUMENT "209"
VERTICAL - NAVD 88 BASED ON GPS TIES THURSTON COUNTY CONTROL MONUMENT "209"
SITE BENCH MARK IS PK NAIL IN EDGE OF FIRE LANE
M2C POINT # 13, ELEVATION=176.55

REFERENCE PLANS

1. CITY OF OLYMPIA UTILITY GIS
2. 1987 PLANS BY THE BJSS GROUP, SHEET C-2, C-3.

REVISIONS

1. 11/03/2016 ADDED MAPPING ON STREETS, E AND W SIDE OF SITE.

SW1/4 OF SW1/4, SEC 12, T 18 N, R 2W, W.M.

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555
A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.

DATE	10/28/2016
SCALE	1" = 20'
M2C PROJECT NO.:	16-430
DRAWN	BEP
CHECKED	CDM
APPROVED	BEP



MTN2COAST LLC
1506 FAIRVIEW ST SE
OLYMPIA, WA 98501
360.239.1497

**ROOSEVELT ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING**

OLYMPIA SCHOOL DISTRICT
1417 SAN FRANCISCO AVE NE, OLYMPIA, WA. 98506

ISSUE: BID SET
NOVEMBER 28, 2016

Revisions Closing Date

ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MSGS ARCHITECTS AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION.

Sheet Title

**EXISTING TOPO
SHEET SCHOOL**

Sheet No.

CE.02

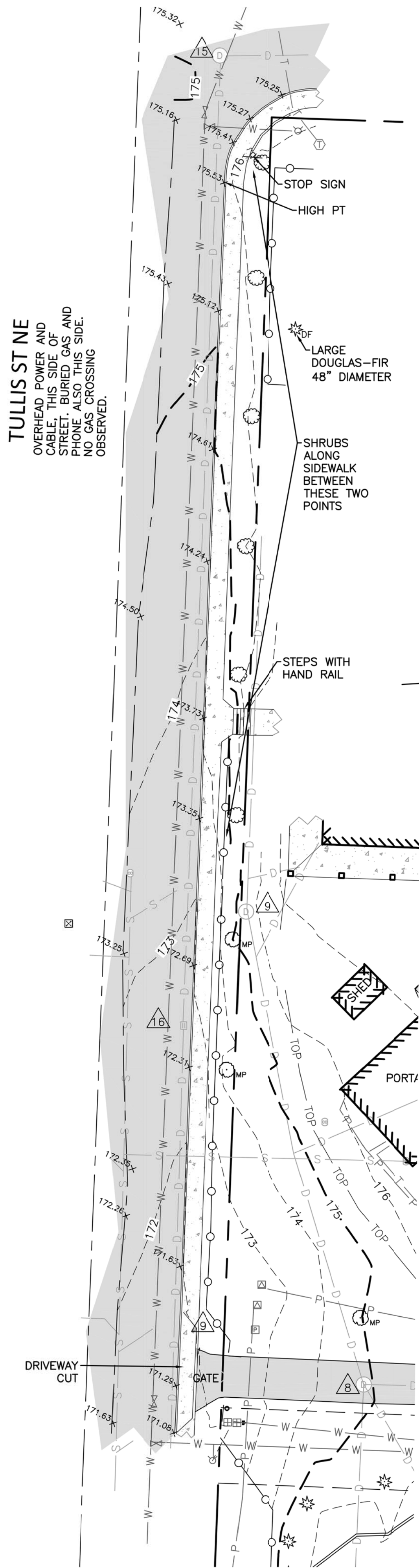
MSGS Project No.
16-111

p 360 943 6774 f 360 352 7005
www.msgsarch.com

msgs architects

510 capital way south
olympia, washington 98501

Plotted By: Sam Rowsell on 12/30/16 10:45 AM
G:\Project\2016\16097 MSGS Olympia SD Mini-Buildings\CAD\Project 4 Roosevelt\Drawings\Construction\Production\16097_CE03 - EXISTING TOPO SHEET STREETS.dwg Mispaz 12/8/16 3:46 PM



ROOSEVELT ELEMENTARY
1417 SAN FRANCISCO ST NE
OLYMPIA, WA 98506

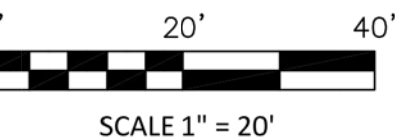
SEE SV-1 FOR MAPPING
BETWEEN THESE TWO
AREAS

UTILITY STRUCTURES

10	1260 SDCB	RIM	178.02
		IE 10" PVC E	175.62
11	1249 SDCB	RIM	178.63
		IE 6" CONC W	177.78
12	1235 SSMH	RIM	179.44
		IE 10" CC S	169.54
		IE 10" CC N	169.64
		IE 10" PVC W	175.54
		IE 6" CC E	175.99
13	1240 SSMH	RIM	180.09
		IE 10" CC S	167.69
		IE 10" CC W	167.24
OTHER PIPES EXIST IN OTHER DIRECTIONS			
14	1302 SDCB	RIM	179.22
		IE 8" CC N	177.92
15	1574 SDMH	RIM	172.24
		IE 10" PVC S	167.99
		IE 8" PVC SE	168.14
		IE 8" PVC E	168.14
		IE 12" PVC N	168.34
16	1593 SDCB	RIM	172.21
		IE 10" PVC N	168.06
		IE 10" PVC S	167.86

UTILITY NOTE

UTILITIES SHOWN HEREON ARE FROM
MAPPING VISIBLE SURFACE
APPURTENANCES, REFERRING TO AS-BUILT
RECORDS AND MAPPING UTILITY PAINT
MARKS FROM A UTILITY LOCATING SERVICE.
BURIED UTILITIES ARE ONLY SHOWN AS
APPROXIMATE AND SHOULD BE VERIFIED
BEFORE CONSTRUCTION.



SCALE 1" = 20'

SURVEY NOTES

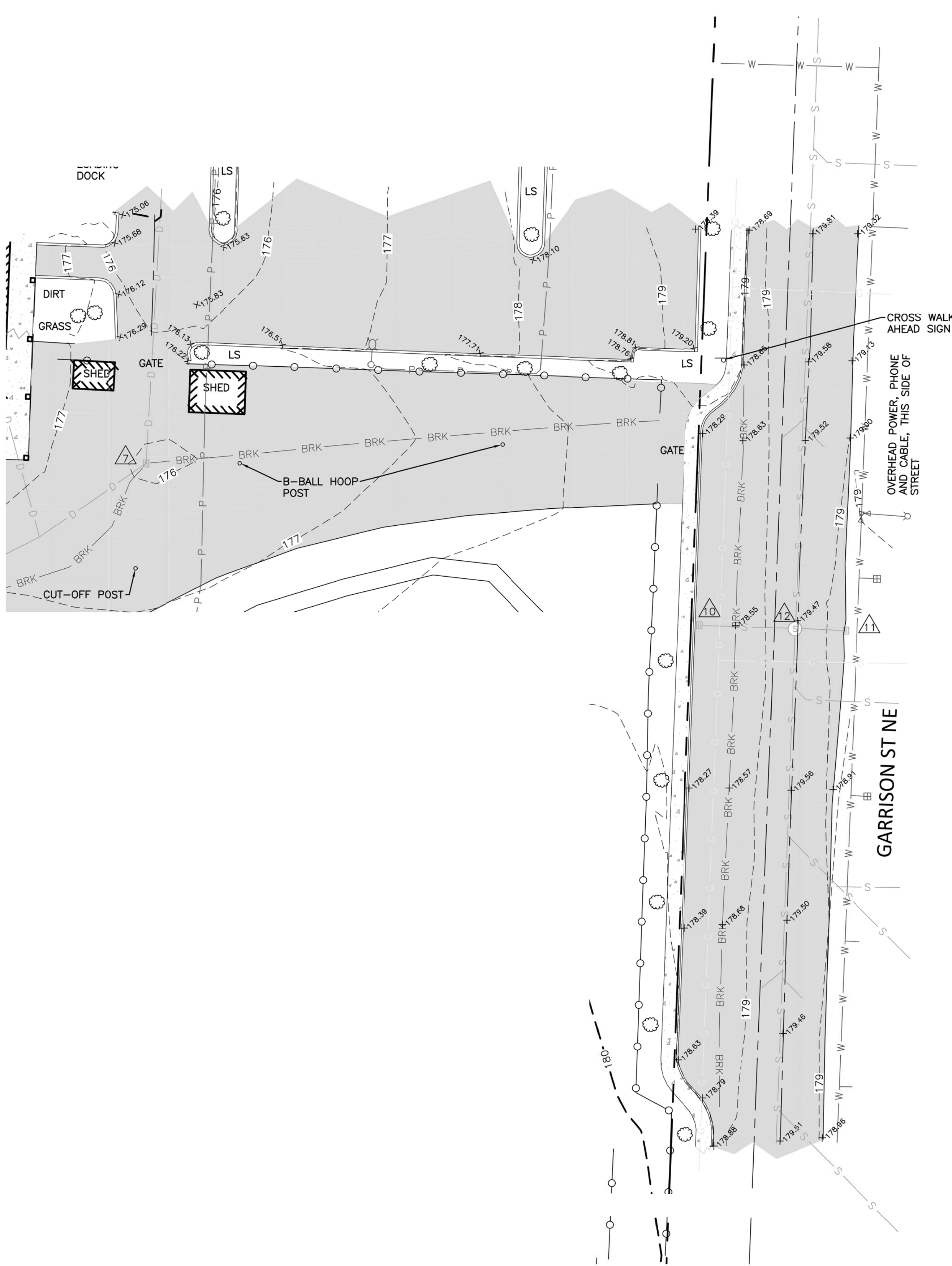
1. INSTRUMENT USED: SOKKIA SRX 3 TOTAL STATION AND TOPCON GR5 GPS.
2. SURVEY COMPLETED 06/2016 AND 10/2016
3. THE RIGHT-OF-WAY LINES PER CITY OF OLYMPIA SECTION FILES AND TIES TO STREET MONUMENTS.
4. SEE PROJECT COVER SHEET FOR LEGEND.
5. EASEMENTS PER CHICAGO TITLE ORDER NO. 160012247.
6. ADDITIONAL MAPPING ADDED OCTOBER 28, 2016.

DATUM

HORIZONTAL - WASHINGTON STATE PLANE COORDINATES,
SOUTH ZONE, NAD 83/91 BASED ON GPS TIES TO THURSTON
COUNTY CONTROL MONUMENT "209"
VERTICAL - NAVD 88 BASED ON GPS TIES THURSTON
COUNTY CONTROL MONUMENT "209"
SITE BENCH MARK IS PK NAIL IN EDGE OF FIRE LANE
M2C POINT # 13, ELEVATION=176.55

REFERENCE PLANS

1. CITY OF OLYMPIA UTILITY GIS
2. 1987 PLANS BY THE BJSS GROUP,
SHEET C-2, C-3.



SW1/4 OF SW1/4, SEC 12, T 18 N, R 2W, W.M.

APPROVED FOR CONSTRUCTION	
BY: _____ Engineering Plans Examiner	DATE: _____
APPROVAL EXPIRES: _____	

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION
AND PROTECTION OF ALL EXISTING UTILITIES.
THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO
CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT
1-800-424-5555
A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION, THE
CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL
LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.

DATE	10/28/2016
SCALE	1" = 20'
M2C PROJECT NO.:	16-430
DRAWN	BEP
CHECKED	CDM
APPROVED	BEP



ROOSEVELT ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING

OLYMPIA SCHOOL DISTRICT
1417 SAN FRANCISCO AVENUE, OLYMPIA, WA. 98506

ISSUE: BID SET
NOVEMBER 28, 2016

Revisions	Closing Date

ALL RIGHTS RESERVED THESE DRAWINGS ARE
THE PROPERTY OF MSGS ARCHITECTS AND
ARE NOT TO BE USED OR REPRODUCED IN
ANY MANNER, WITHOUT PRIOR WRITTEN
PERMISSION.

Sheet Title

EXISTING TOPO
SHEET SCHOOL

Sheet No.

CE.03

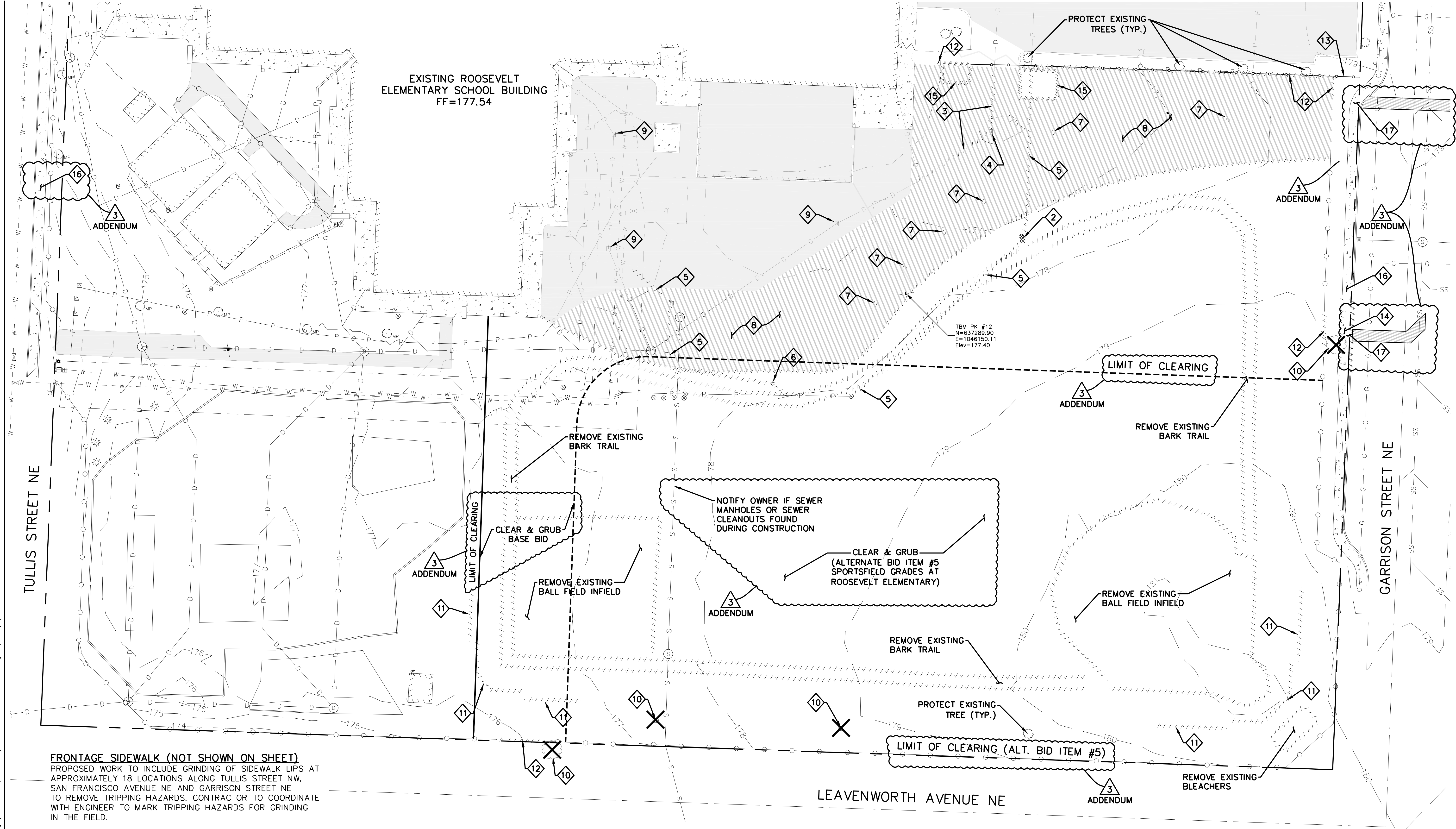
MSGS Project No.
16-111

p 360 943 6774 f 360 352 7005
www.msgsarch.com

msgs architects

510 capital way south
olympia, washington 98501

Plotted By: Sam Rowland on 12/30/16 10:45 AM
G:\Project\2016\16097 MSGS Olympia SD Mini-Buildings\CA0\Project 4 Roosevelt\Drawings\Construction\Production\16097_CE04 - DEMO PLAN.dwg Mapez 12/9/16 4:10 PM



FRONTAGE SIDEWALK (NOT SHOWN ON SHEET)
PROPOSED WORK TO INCLUDE GRINDING OF SIDEWALK LIPS AT APPROXIMATELY 18 LOCATIONS ALONG TULLIS STREET NW, SAN FRANCISCO AVENUE NE AND GARRISON STREET NE TO REMOVE TRIPPING HAZARDS. CONTRACTOR TO COORDINATE WITH ENGINEER TO MARK TRIPPING HAZARDS FOR GRINDING IN THE FIELD.

DEMOLITION NOTES:

- 1 REMOVE EXISTING IRRIGATION LINE
- 2 REMOVE EXISTING IRRIGATION VALVES
- 3 REMOVE EXISTING STORM DRAIN LINE
- 4 REMOVE EXISTING STORM DRAIN CATCH BASIN
- 5 REMOVE EXISTING POWER LINE
- 6 REMOVE EXISTING LIGHT POLE AND FOUNDATION AS PART OF BASE BID.
- 7 REMOVE EXISTING POLE AND CONC. FOUNDATION
- 8 REMOVE EXISTING ASPHALT PAVEMENT (SAWCUT PRIOR TO REMOVAL)
- 9 PROTECT EXISTING STORM DRAIN INLET PER DETAIL A ON SHEET CE 06
- 10 REMOVE EXISTING TREE AND TREE STUMP

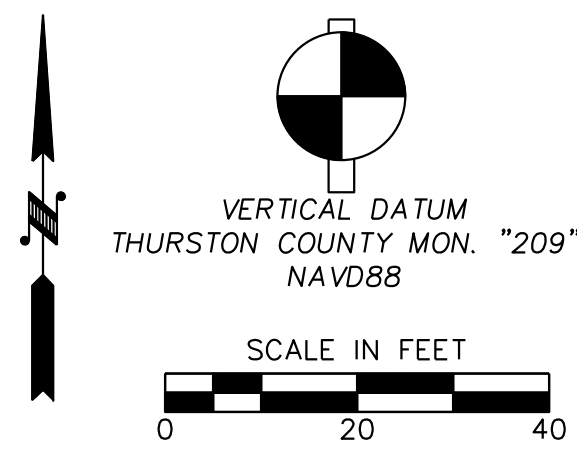
- 11 REMOVE EXISTING BACKSTOP
- 12 REMOVE EXISTING CYCLONE FENCE
- 13 INSTALL TREE PROTECTION FENCING, SEE LANDSCAPING PLANS
- 14 REMOVE CEMENT CONC. SIDEWALK AND CEMENT CONC. CURB AND GUTTER
- 15 REMOVE EXISTING SHED
- 16 GRIND CONCRETE WALK, 18 LOCATIONS ALONG TULLIS STREET, SAN FRANCISCO AVENUE & GARRISON STREET (0-3/4" DEPTH, 0-5' LENGTH 0-1' WIDTH)
- 17 REMOVE AND REPLACE CONCRETE CURB, GUTTER, SIDEWALK & PAVEMENT AS NECESSARY FOR CONSTRUCTION OF NEW SEWER AND WATER LINES.

NOTES:

1. ALL EROSION CONTROL MEASURES TO BE IN PLACE PRIOR TO DEMOLITION (SEE SHEET CE.07)
2. EXISTING TREES SHOWN TO REMAIN SHALL BE PROTECTED WITH TREE PROTECTION FENCE
3. CLEAR AND GRUB ALL AREAS FOR NEW CONSTRUCTION
4. CONTRACTOR SHALL FULL DEPTH SAW CUT EX ASPHALT WHERE THE ASPHALT IS TO REMAIN
5. CONTRACTOR TO REMOVE TREES, CLEAR AND GRUB SITE INCLUDING THE REMOVAL OF STUMPS AND BACKFILL THE VOIDS LEFT BY THE OPERATION
6. ALL MATERIAL SHOWN TO BE REMOVED SHALL BE DISPOSED OF PROPERLY BY CONTRACTOR

LEGEND:

- REMOVE EXISTING ASPHALT PAVEMENT
- REMOVE EXISTING CONCRETE SIDEWALK
- LIMITS OF DEMOLITION



APPROVED FOR CONSTRUCTION

By: _____ DATE _____
Engineering Plans Examiner

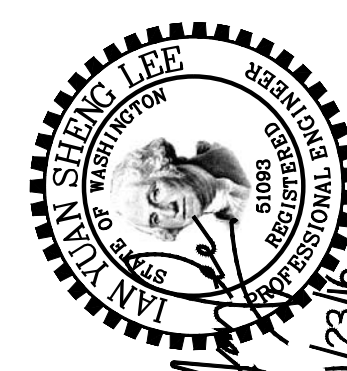
APPROVAL EXPIRES: _____

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555

A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.



5016 Lacey Boulevard SE, Lacey, WA 98503
Ph.: (360) 491-3399 www.skillings.com



ISSUE: BID SET
NOVEMBER 28, 2016

Revisions Closing Date
ADDENDUM 3 12/12/2016

ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MSGS ARCHITECTS AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION.

Sheet Title

DEMO PLAN

Sheet No.
CE.04

MSGS Project No.
16-111

**ROOSEVELT ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING**

OLYMPIA SCHOOL DISTRICT
1417 SAN FRANCISCO AVE NE, OLYMPIA, WA. 98506



p 360 943 6774 f 360 352 7005
www.msgsarch.com

510 capital way south
olympia, washington 98501

EXISTING ROOSEVELT
ELEMENTARY SCHOOL BUILDING
FF=177.54

BLDG. CNR.
N=637367.79
E=1046175.51

BLDG. CNR.
N=637363.08
E=1046309.43

TREE PROTECTION
FENCE (TYP.)

END FENCE
N=637386.52
E=1046346.85

FENCE ANGLE POINT
N=637365.78
E=1046328.14

MATCH EX FENCE
N=637354.08
E=1046334.27

MATCH EX FLOW LINE
N=637289.26
E=1046344.18

MATCH EX FLOW LINE
N=637254.28
E=1046342.80

RIGHT-OF-WAY

GARRISON STREET NE

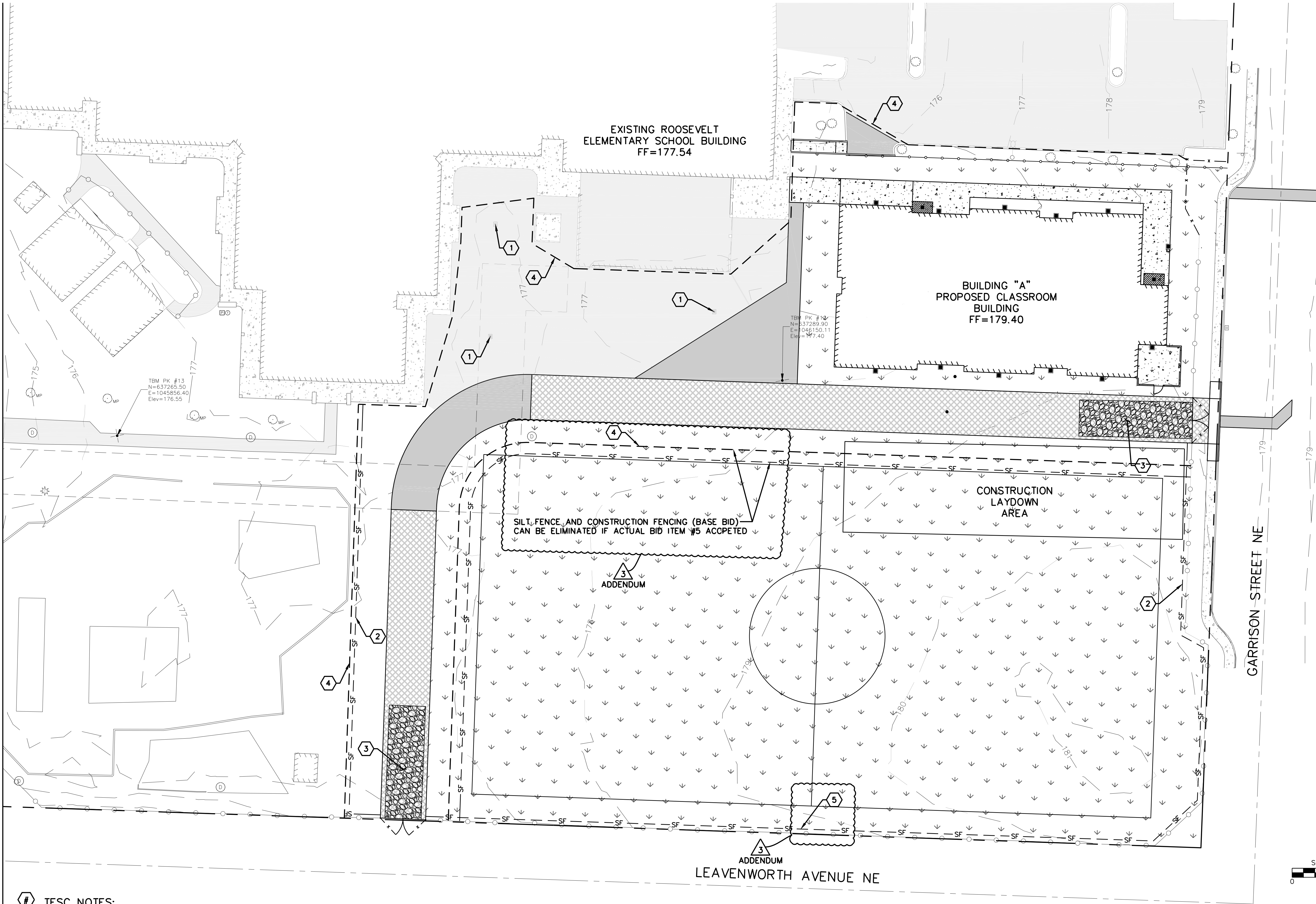
LEAVENWORTH AVENUE NE

SCALE

MSGS Project No.
16-111

olympia, washington 98501

Plotted By: Sam Rowan on 12/30/16 10:46 AM
G:\Project\2016\16097 MSGS Olympia SD Mini-Buildings\CA0\Project 4 Roosevelt\Drawings\Construction\Production\16097_CE06 - TESC PLAN.dwg Mlopez 12/29/16 8:35 AM



- # TESC NOTES:
- 1 INLET PROTECTION PER DETAIL ON SHEET CE.07.
 - 2 SILT FENCE PER DETAIL ON SHEET CE.07. (BASE BID)
 - 3 CONSTRUCTION ENTRANCE PER DETAIL ON SHEET CE.07
 - 4 CONSTRUCTION FENCING PER DETAIL ON SHEET CE.07
 - 5 SILT FENCE PER DETAIL ON SHEET CE.07 (ALT. BID ITEM NO. 5)

LEGEND:

- HIGH VISIBILITY CONSTRUCTION FENCE
- SF- SILT FENCE
- CONSTRUCTION ENTRANCE

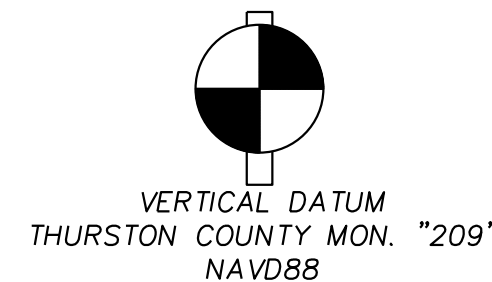
APPROVED FOR CONSTRUCTION

BY: _____ DATE _____
Engineering Plans Examiner

APPROVAL EXPIRES: _____

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555. A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.

SCALE IN FEET
0 20 40



**SKILLINGS
CONNOLLY**
5016 Lacey Boulevard SE, Lacey, WA 98503
Ph.: (360) 491-3399 www.skillings.com



ISSUE: BID SET
NOVEMBER 28, 2016

Revisions Closing Date
ADDENDUM 3 12/12/2016

ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MSGS ARCHITECTS AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION.

Sheet Title

TESC PLAN

Sheet No.

CE.06

MSGS Project No.
16-111

ROOSEVELT ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING

OLYMPIA SCHOOL DISTRICT
1417 SAN FRANCISCO AVE NE, OLYMPIA, WA. 98506

p 360 943 6774 f 360 352 7005
www.msgsarch.com

msgs architects

510 capital way south
olympia, washington 98501

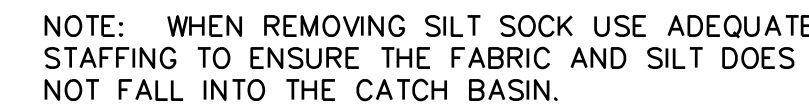
Plotted By: Sam Rowsell on 12/30/16 10:47 AM
 C:\Project\2016\16097 WSSG Olympic SD Mini-Buildings\CAO\Project 4 - Roosevelt\Drawings\Construction\Production\0_16097_CEO7 - TESC NOTES & DETAILS.dwg Wlopez 12/7/16 10:50 AM

- Plotted By: Sam Rowsell on 12/30/16 10:47 AM

1. ALL WORK AND MATERIALS SHALL BE COMPLETED IN ACCORDANCE WITH THE MOST CURRENT "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" FROM THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, THE CITY OF OLYMPIA ENGINEERING DESIGN AND DEVELOPMENT STANDARDS (EDDS), THE CITY OF OLYMPIA SUPPLEMENTAL SPECIFICATIONS AND THE CONTRACT SPECIFICATIONS AND SPECIAL PROVISIONS.
2. UNLESS NOTED OTHERWISE, UTILITIES SHOWN ON THE PLAN AND PROFILE ARE EXISTING, AND ARE LOCATED TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PRINTING. THE CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION AND TAKE EXTRAORDINARY CARE WHEN EXCAVATING NEAR OR AROUND UTILITY CROSSINGS INCLUDING "HAND" EXCAVATION AND POT HOLING. IN THE EVENT OF A CONFLICT, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND THE PRIVATE UTILITY TO RAISE, RELOCATE, OR LOWER THE CONFLICTING APPURTENANCES.
3. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING 811, THE UNDERGROUND LOCATE LINE, A MINIMUM OF 48 HOURS (TWO WORKING DAYS) PRIOR TO ANY EXCAVATION. UNDERGROUND LOCATES WILL BE PERFORMED ONCE. IT IS THE RESPONSIBILITY OF THE REQUESTER TO MAINTAIN THE MARKINGS AFTER THE INITIAL LOCATE IN ACCORDANCE WITH RCW 19.122.
4. EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE "DRAINAGE DESIGN AND EROSION CONTROL MANUAL FOR OLYMPIA" (DRAINAGE MANUAL).
5. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITIES WHEN EXCAVATING NEAR FIBER OPTIC TELEPHONE LINES, GAS LINES AND POWER POLES.
6. CONTRACTOR SHALL PROTECT ALL TREES AND VEGETATION THAT ARE NOT TO BE REMOVED AS DIRECTED BY THE ENGINEER.
7. ALL DRAINAGE STRUCTURES, SANITARY MANHOLES, WATER METERS, WATER VALVES OR OTHER APPURTENANCES SHALL BE ADJUSTED TO FINAL GRADE BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS.
8. CONTRACTOR SHALL MAINTAIN FUNCTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION
9. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING SIDEWALK AND ROAD SURFACES OUTSIDE OF THE PROJECT LIMITS. ALL DAMAGE OR UNDERMINING SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY REPAIR TO CITY STANDARDS AT THE CONTRACTOR'S EXPENSE.
10. ALL EXISTING SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER.
11. ACCESS TO PRIVATE PROPERTY SHALL BE MAINTAINED AT ALL TIMES UNLESS PRIOR APPROVAL AND COORDINATION HAS OCCURRED.
12. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL IN ACCORDANCE WITH THE U.S. DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). PRIOR TO DISRUPTION OF ANY TRAFFIC, TRAFFIC CONTROL PLANS WILL BE PREPARED AND SUBMITTED TO THE CITY FOR APPROVAL. NO WORK WILL COMMENCE UNTIL ALL APPROVED TRAFFIC CONTROL IS IN PLACE.
13. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A COPY OF THE APPROVED CONSTRUCTION PLANS ON SITE AT ALL TIMES.
14. ANY CHANGES TO THE DESIGN SHALL FIRST BE REVIEWED AND APPROVED BY THE ENGINEER.
15. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE CITY PRIOR TO THE START OF CONSTRUCTION.
16. CITY OF OLYMPIA DATUM, NAVD 88, SHALL BE USED FOR ALL VERTICAL CONTROL. A LIST OF BENCHMARKS IS AVAILABLE FROM THE PUBLIC WORKS DEPARTMENT.



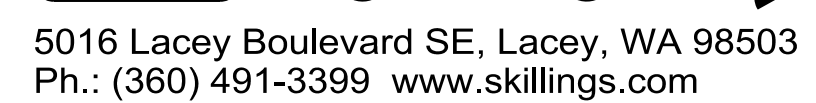
©



(A)



THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555. A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.



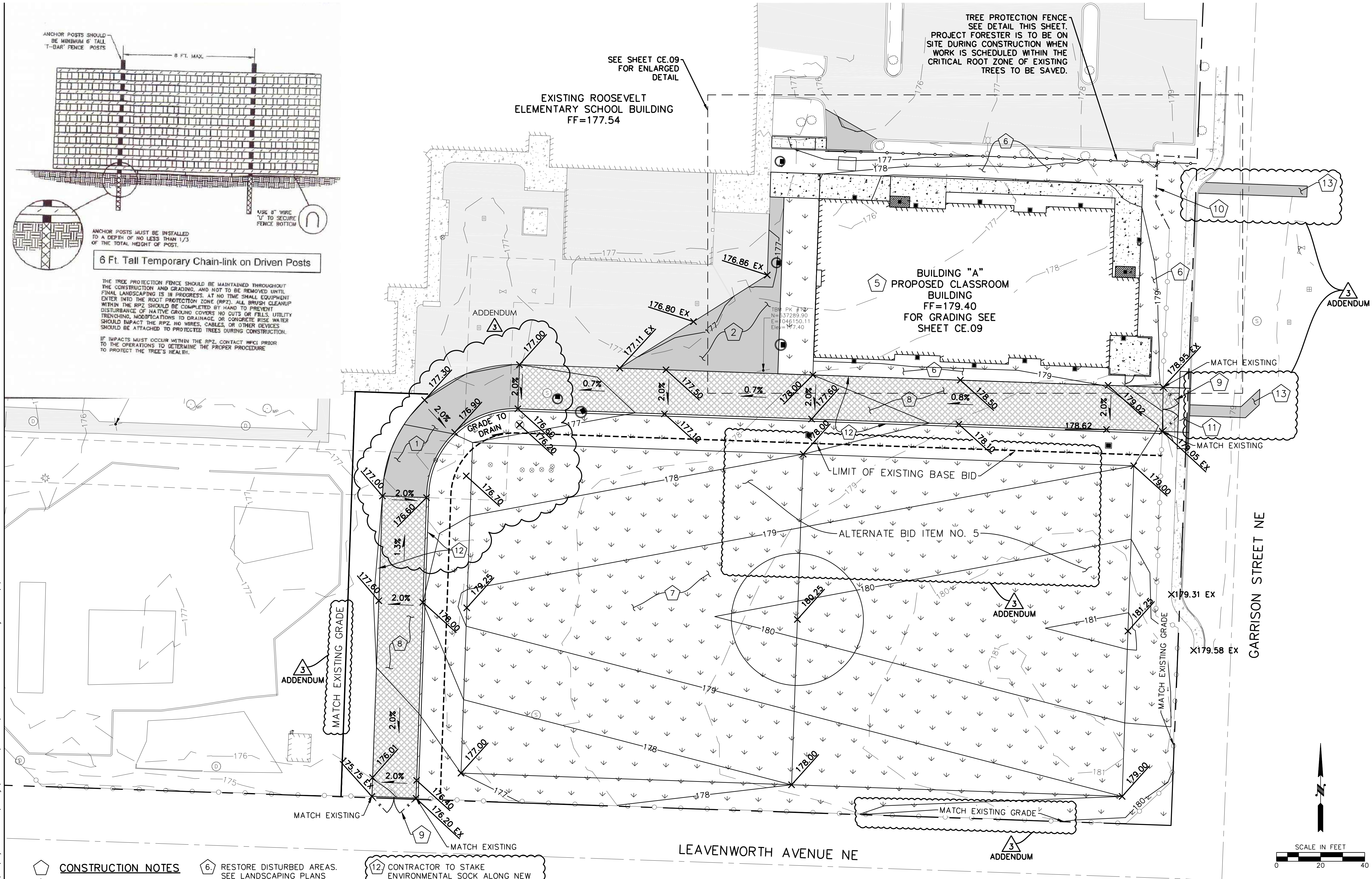
ALL RIGHTS RESERVED THESE DRAWINGS ARE
THE PROPERTY OF MSGS ARCHITECTS AND
ARE NOT TO BE USED OR REPRODUCED IN
ANY MANNER, WITHOUT PRIOR WRITTEN
PERMISSION.

Sheet Title

Sheet No. _____

MSGS Project No. _____

Plotted By: Sam Rowell on 1/3/17 12:07 PM
G:\Project\2016\16097 MSGS Olympia SD Mini-Buildings\CA0\Project 4 Roosevelt\Drawings\Construction\Production\16097_CE08 - GRADING PLAN.dwg Rowell 1/3/17 12:05 PM



CONSTRUCTION NOTES

1. CONSTRUCT ASPHALT FIRE LANE PER DETAIL ON SHEET CE.10
2. CONSTRUCT ASPHALT PAVEMENT PER DETAIL ON SHEET CE.10
3. CONSTRUCT CONCRETE SIDEWALK PER DETAIL ON SHEET CE.10
4. CONSTRUCT CONCRETE MECHANICAL PAD. SEE MECHANICAL PLANS
5. BUILDING TO BE CONSTRUCTED. SEE ARCHITECTURAL PLANS

6. RESTORE DISTURBED AREAS. SEE LANDSCAPING PLANS
7. CONSTRUCT BALL FIELD AND TRAIL SEE LANDSCAPING PLANS
8. CONSTRUCT PERVIOUS ASPHALT PAVING PER DETAIL ON SHEET CE.10
9. INSTALL NEW GATE WITH KEYBOX
10. INSTALL NEW FENCE
11. INSTALL CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER DETAIL ON SHEET CE.10

12. CONTRACTOR TO STAKE ENVIRONMENTAL SOCK ALONG NEW PERVIOUS PAVEMENT. CONTRACTOR TO MAINTAIN SOCK AND PROTECT FROM PLUGGING UNTIL NEW LANDSCAPING IS ESTABLISHED. CONTRACTOR SHALL REMOVE SOCK ONCE DANGER OF SILTATION IS OVER.
13. TRENCH RESTORATION IN CITY ROW FOR WATER AND SEWER LINES SHALL BE PER CITY OF OLYMPIA STANDARD DRAWING 4-8, 4-8A & 4-8C ON SHEET CE.10

LEAVENWORTH AVENUE NE

GARRISON STREET NE

APPROVED FOR CONSTRUCTION

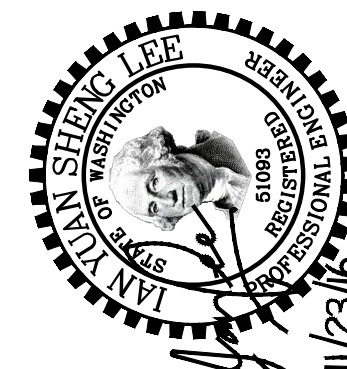
BY: _____ DATE _____
Engineering Plans Examiner

APPROVAL EXPIRES: _____

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555. A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.

**SKILLINGS
CONNOLLY**

5016 Lacey Boulevard SE, Lacey, WA 98503
Ph.: (360) 491-3399 www.skillings.com



ISSUE: BID SET
NOVEMBER 28, 2016

Revisions Closing Date
ADDENDUM 3 12/12/2016

ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MSGS ARCHITECTS AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION.

Sheet Title

GRADING PLAN

Sheet No.

CE.08

MSGS Project No.
16-111

**ROOSEVELT ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING**

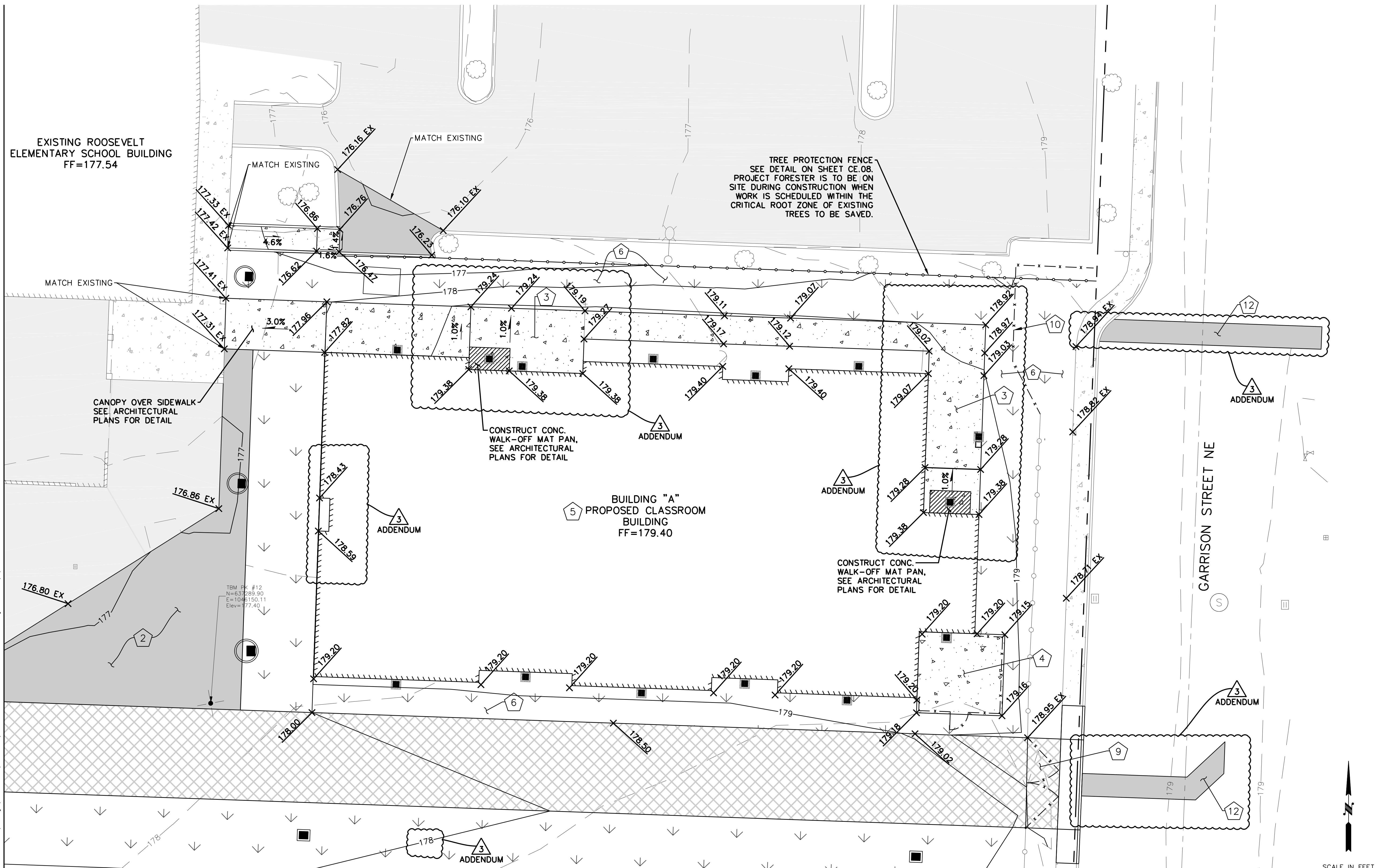
OLYMPIA SCHOOL DISTRICT
1417 SAN FRANCISCO AVE NE, OLYMPIA, WA. 98506

p 360 943 6774 f 360 352 7005
www.msgsarch.com

msgs architects

510 capital way south
olympia, washington 98501

Plotted By: Son Rowell on 1/3/17 12:07 PM
G:\Project\2016\16097 MSGS Olympia SD Mini-Buildings\CAD\Project 4 Roosevelt\Drawings\Construction\Production\16097_C009 - GRADING PLAN BUILDING.dwg, Sonrowell 1/3/17 12:04 PM



CONSTRUCTION NOTES

1. CONSTRUCT ASPHALT FIRE LANE PER DETAIL ON SHEET CE.10
2. CONSTRUCT ASPHALT PAVEMENT PER DETAIL ON SHEET CE.10
3. CONSTRUCT CONCRETE SIDEWALK PER DETAIL ON SHEET CE.10
4. CONSTRUCT CONCRETE MECHANICAL PAD. SEE MECHANICAL PLANS
5. BUILDING TO BE CONSTRUCTED. SEE ARCHITECTURAL PLANS

6. RESTORE DISTURBED AREAS. SEE LANDSCAPING PLANS
7. CONSTRUCT BALL FIELD AND TRAIL. SEE LANDSCAPING PLANS
8. CONSTRUCT PERVIOUS ASPHALT PAVING PER DETAIL ON SHEET CE.10
9. INSTALL NEW GATE WITH KEYBOX
10. INSTALL NEW FENCE
11. INSTALL CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER DETAIL ON SHEET CE.10

13. TRENCH RESTORATION IN CITY ROW FOR WATER AND SEWER LINES SHALL BE PER CITY OF OLYMPIA STANDARD DRAWING 4-8, 4-8A & 4-8C ON SHEET CE.10.

APPROVED FOR CONSTRUCTION
BY: _____ DATE _____
Engineering Plans Examiner
APPROVAL EXPIRES: _____

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555. A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.

**SKILLINGS
CONNOLLY**

5016 Lacey Boulevard SE, Lacey, WA 98503
Ph.: (360) 491-3399 www.skillings.com



ISSUE: BID SET
NOVEMBER 28, 2016

Revisions Closing Date
ADDENDUM 3 12/12/2016

ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MSGS ARCHITECTS AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION.

Sheet Title

**GRADING PLAN -
BUILDING**

Sheet No.
CE.09

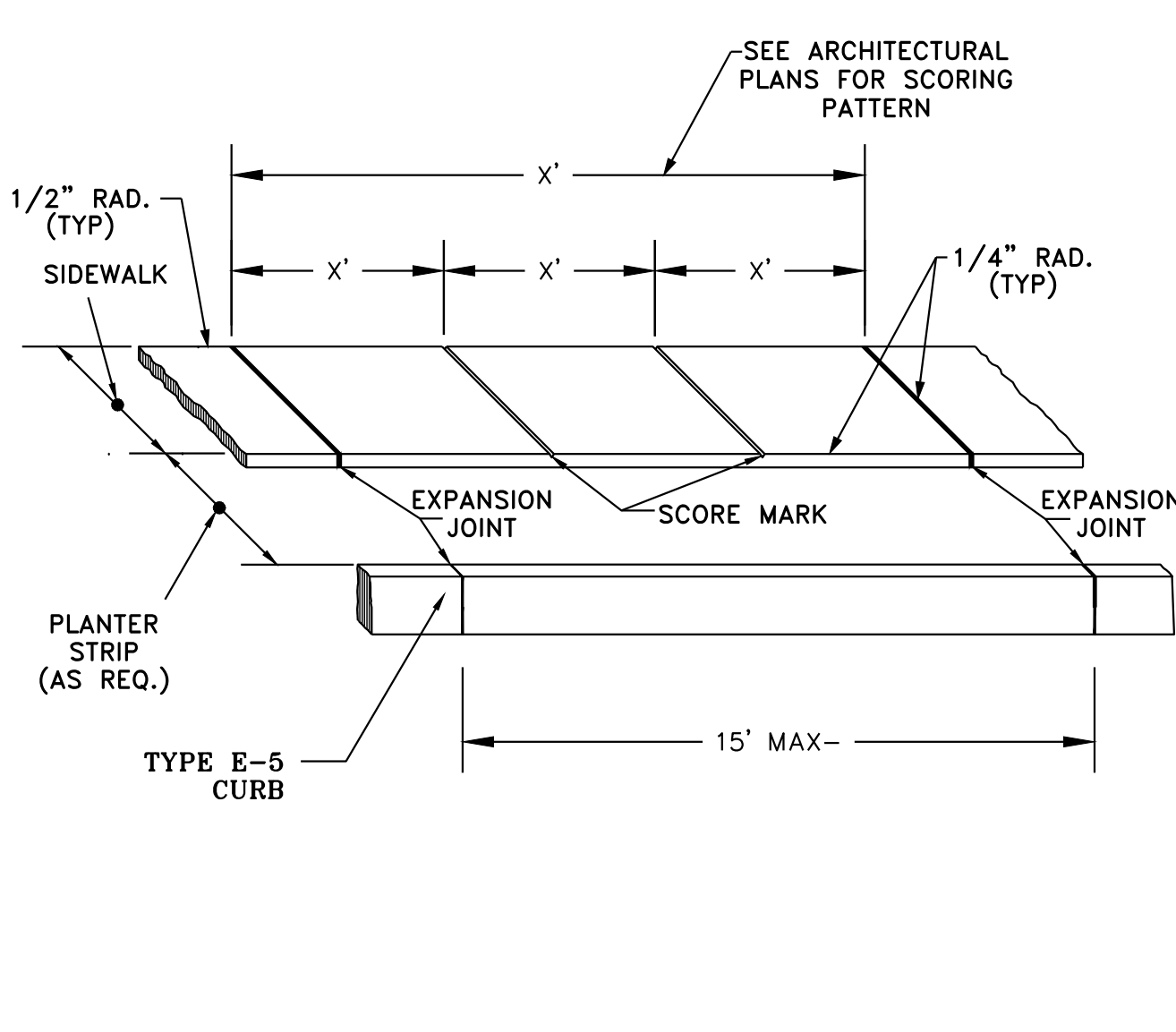
MSGS Project No.
16-111

**ROOSEVELT ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING**
OLYMPIA SCHOOL DISTRICT
1417 SAN FRANCISCO AVE NE, OLYMPIA, WA. 98506

msgs architects

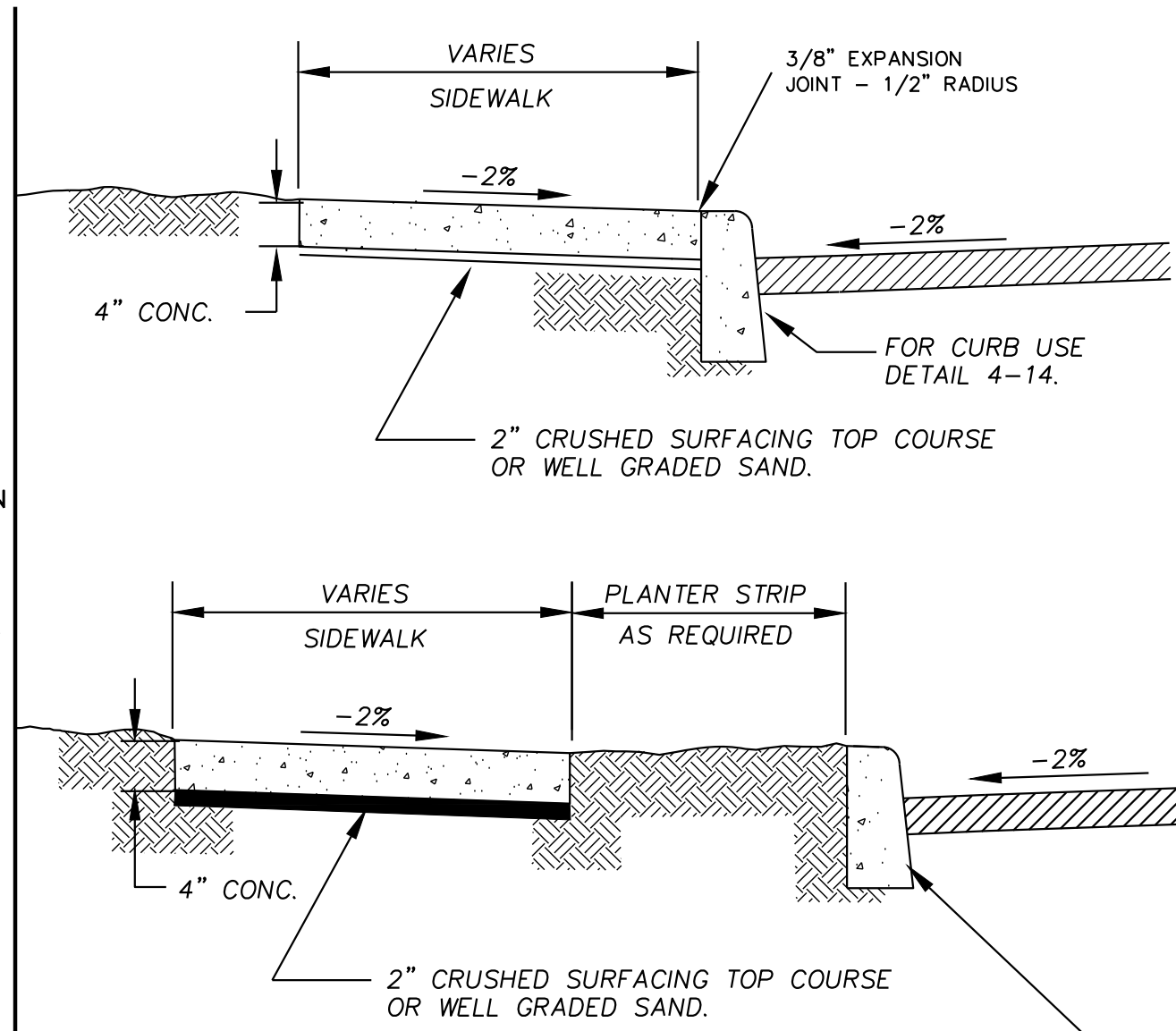
p 360 943 6774 f 360 352 7005
www.msgsarch.com
510 capital way south
olympia, washington 98501

Plotted By: Son Rowell on 12/30/16 10:49 AM
G:\Project\2016\16097 MSGS Olympia SD Mini-Buildings\CAD\Project 4 Roosevelt\Drawings\Construction\Details.dwg Mapez 12/9/16 4:10 PM



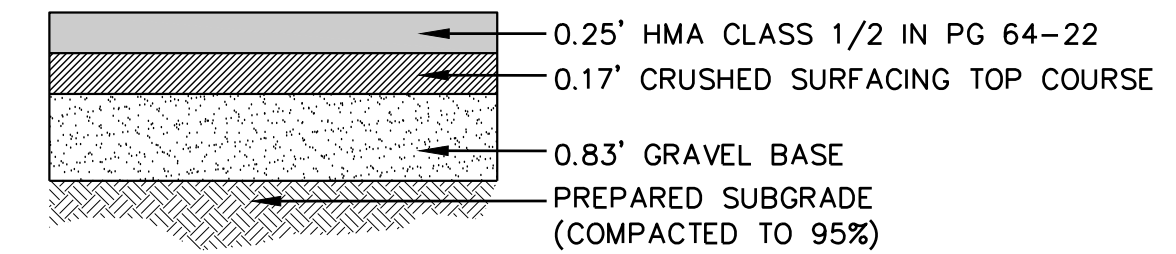
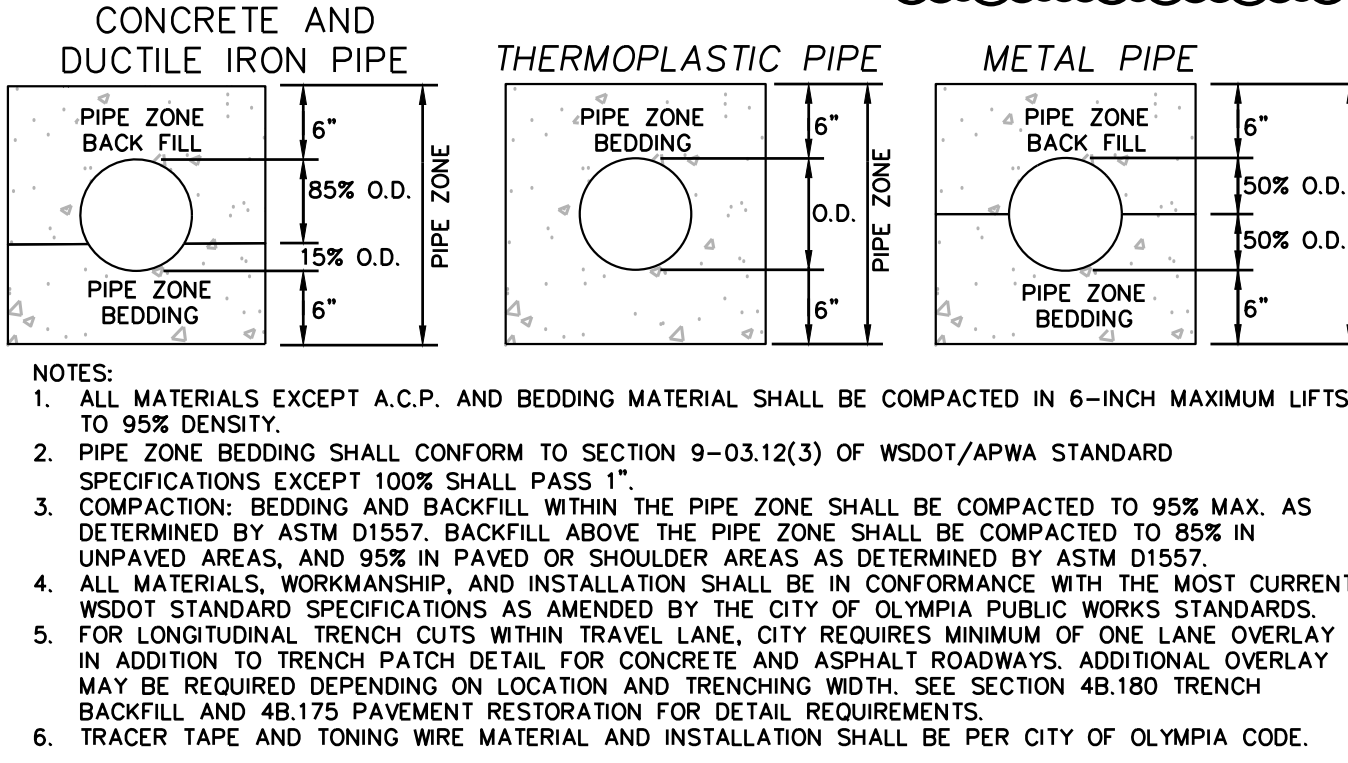
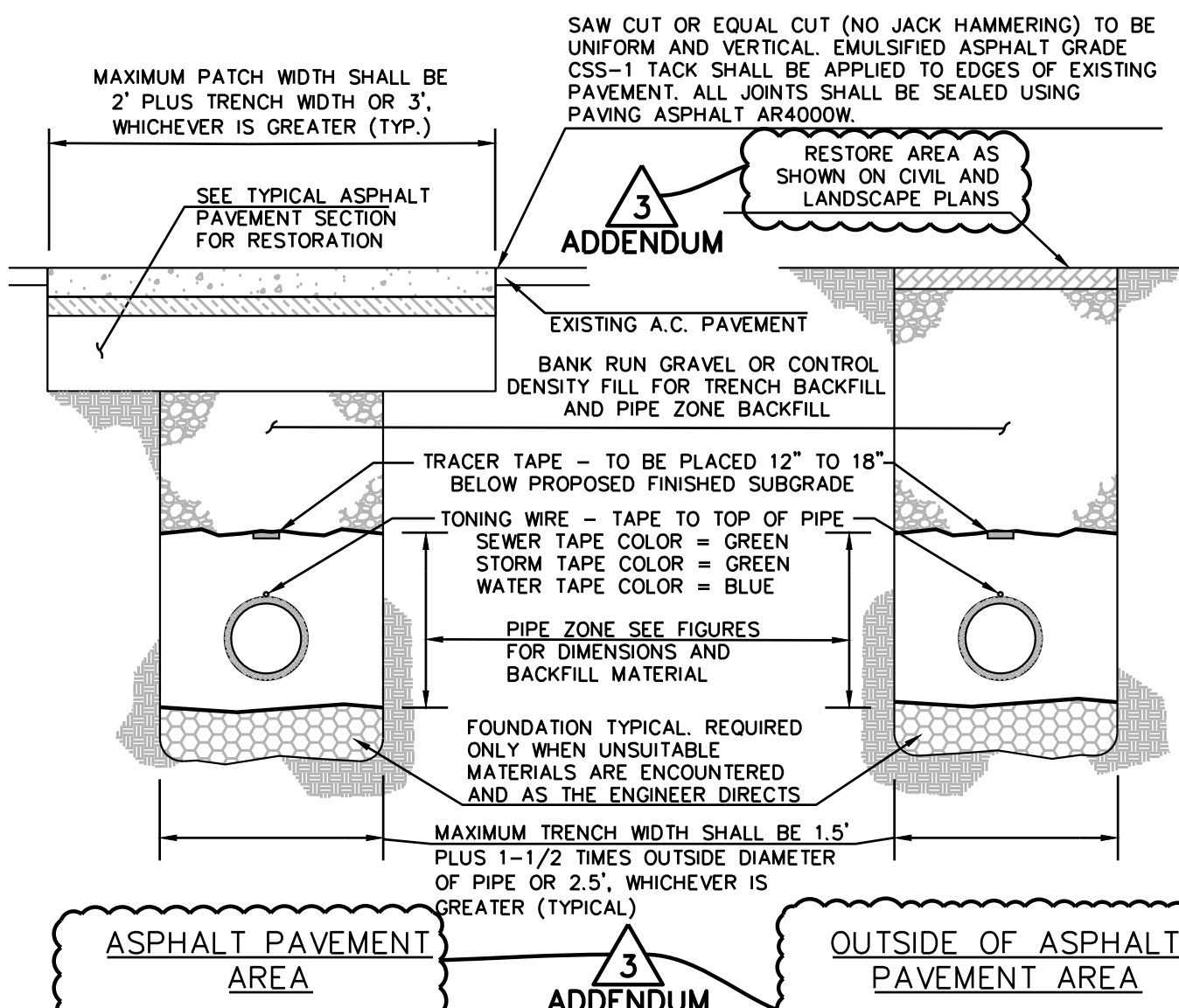
- GENERAL NOTES:
1. EXPANSION JOINT MATERIAL TO BE 3/8" THICK PREMOLDED JOINT FILLER FULL THICKNESS OF CONCRETE.
 2. FORM AND SUBGRADE INSPECTION REQUIRED BEFORE POURING CONCRETE.
 3. SCORE MARKS SHALL BE ±1/8" WIDE BY ±1/4" DEEP. FOR SIDEWALKS OVER 8' IN WIDTH, A LONGITUDINAL SCORE MARK SHALL BE MADE ALONG CENTER OF WALK.
 4. EXPANSION JOINTS SHALL BE INSTALLED IN CURB AND GUTTER AND IN SIDEWALK AT PC AND PT AT ALL CURB RETURNS. EXPANSION JOINTS SHALL BE PLACED IN SIDEWALK AT SAME LOCATIONS AS THOSE IN CURB AND GUTTER WHEN SIDEWALK IS ADJACENT TO CURB AND GUTTER, UNLESS OTHERWISE DIRECTED BY ENGINEER.

A SIDEWALK SPACING EXPANSION JOINTS & SCORE MARKS
NOT TO SCALE



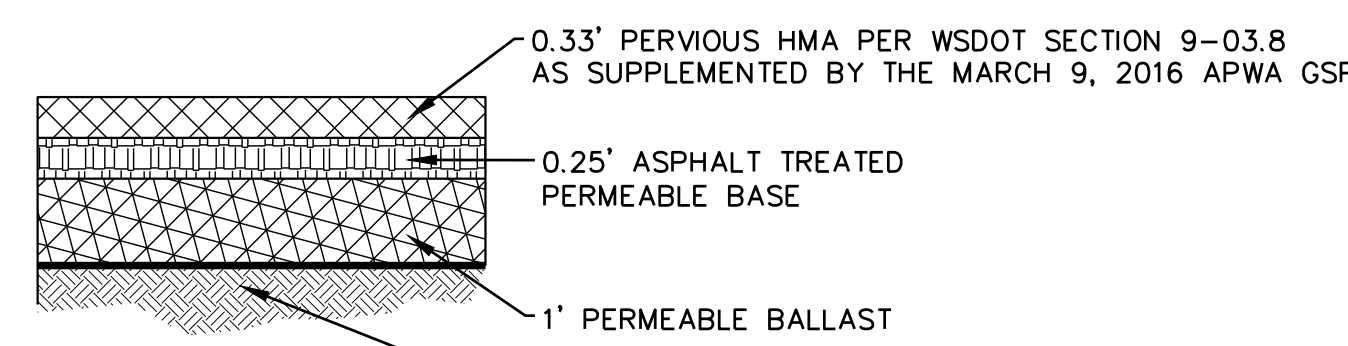
- GENERAL NOTES:
1. FOR JOINTS AND SCORING, SEE ARCHITECTURAL PLANS FOR SIDEWALK SPACING, EXPANSION JOINTS, AND SCORE MARKS.
 2. CONCRETE DRIVEWAYS REQUIRE A MINIMUM DEPTH OF 6".
 3. WHEN CHECKED WITH A 10 FOOT STRAIGHTEDGE, GRADE SHALL NOT DEVIATE MORE THAN 1/8 INCH, AND ALIGNMENT SHALL NOT VARY MORE THAN 1/4 INCH.

B SIDEWALK
NOT TO SCALE



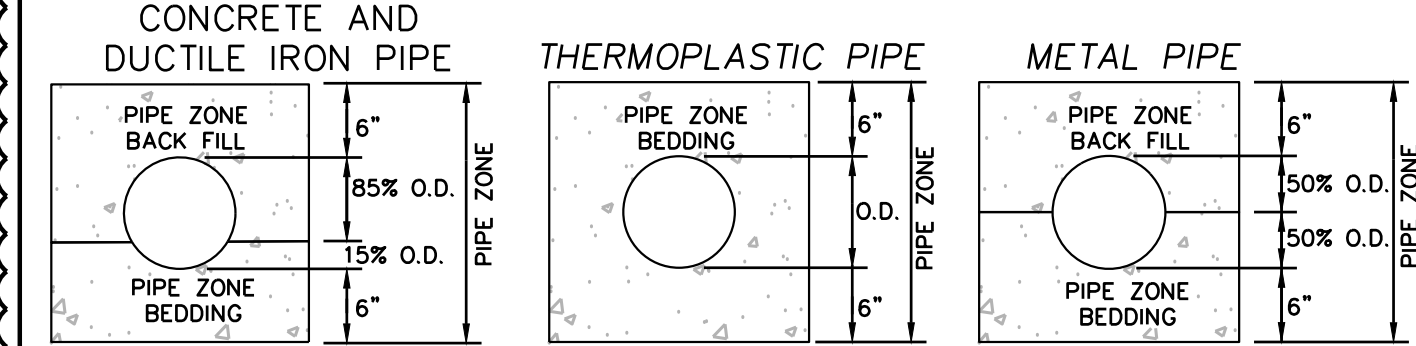
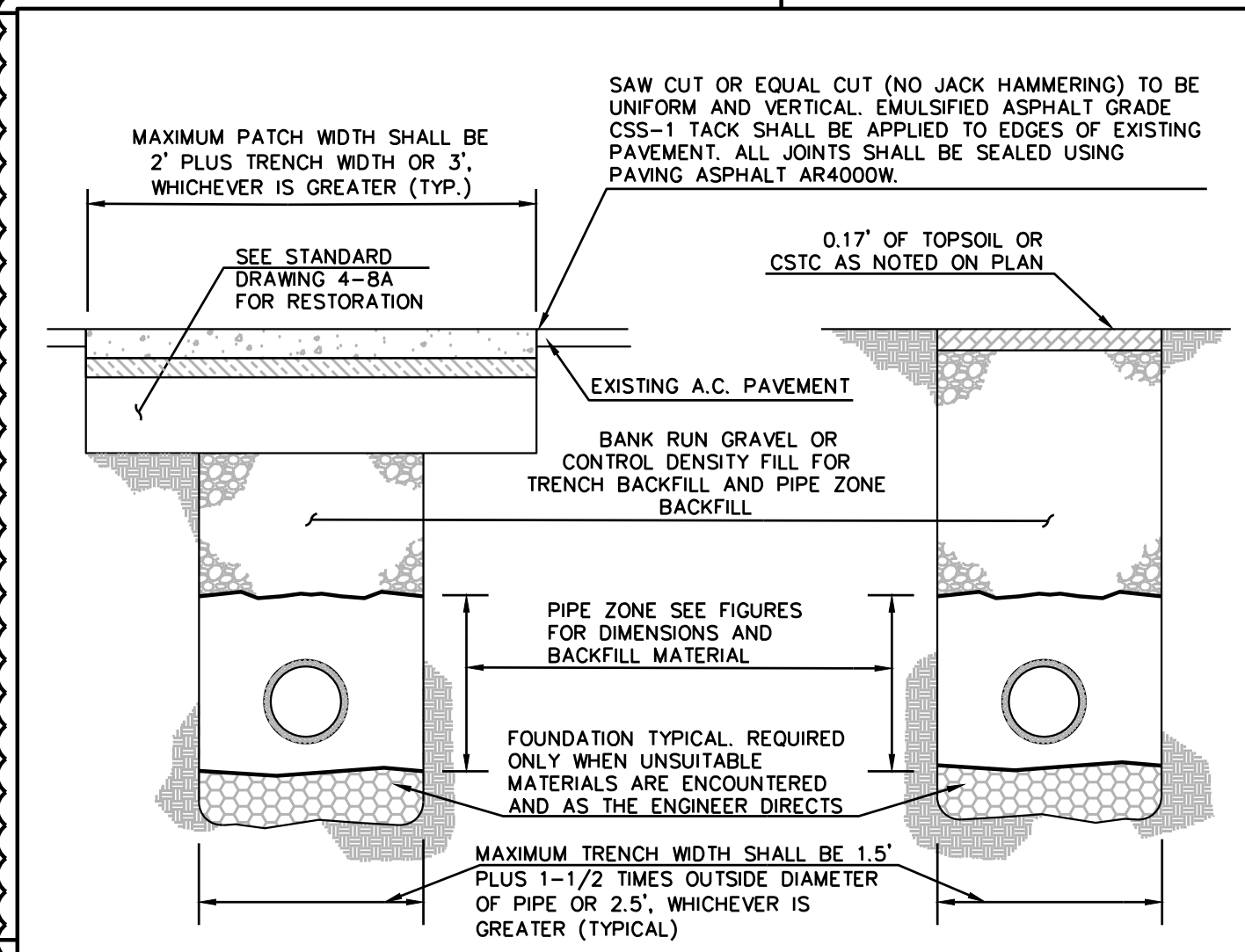
NOTE:
ALL THICKNESSES ARE MINIMUM COMPACTED DEPTHS IN PLACE

D TYPICAL ASPHALT PAVEMENT SECTION
NOT TO SCALE



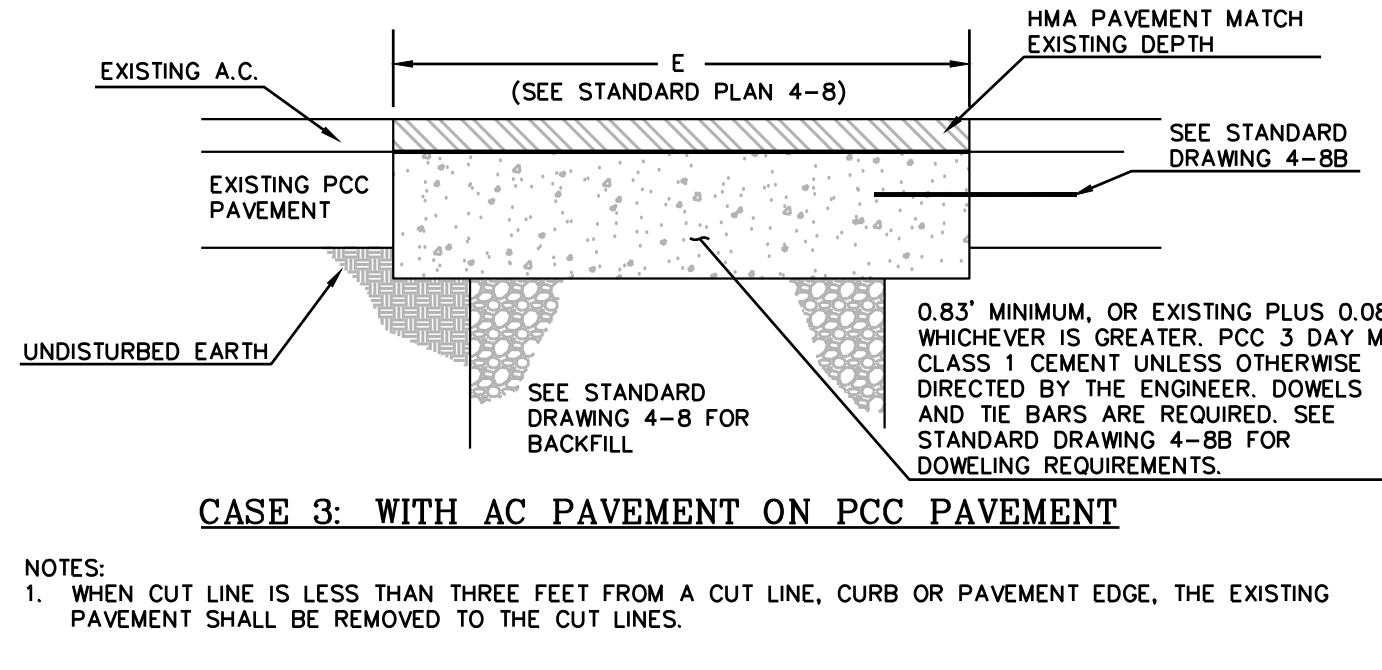
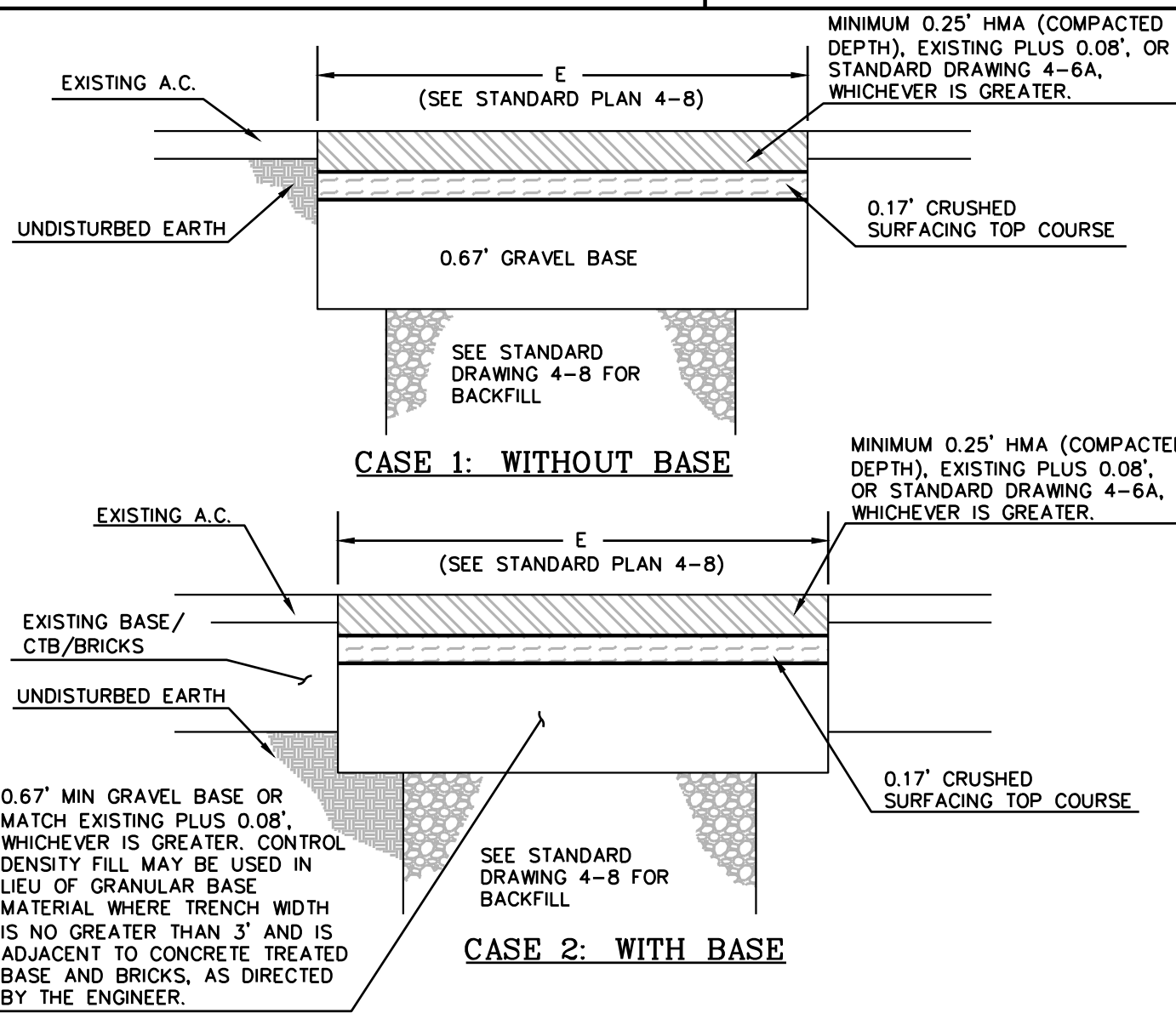
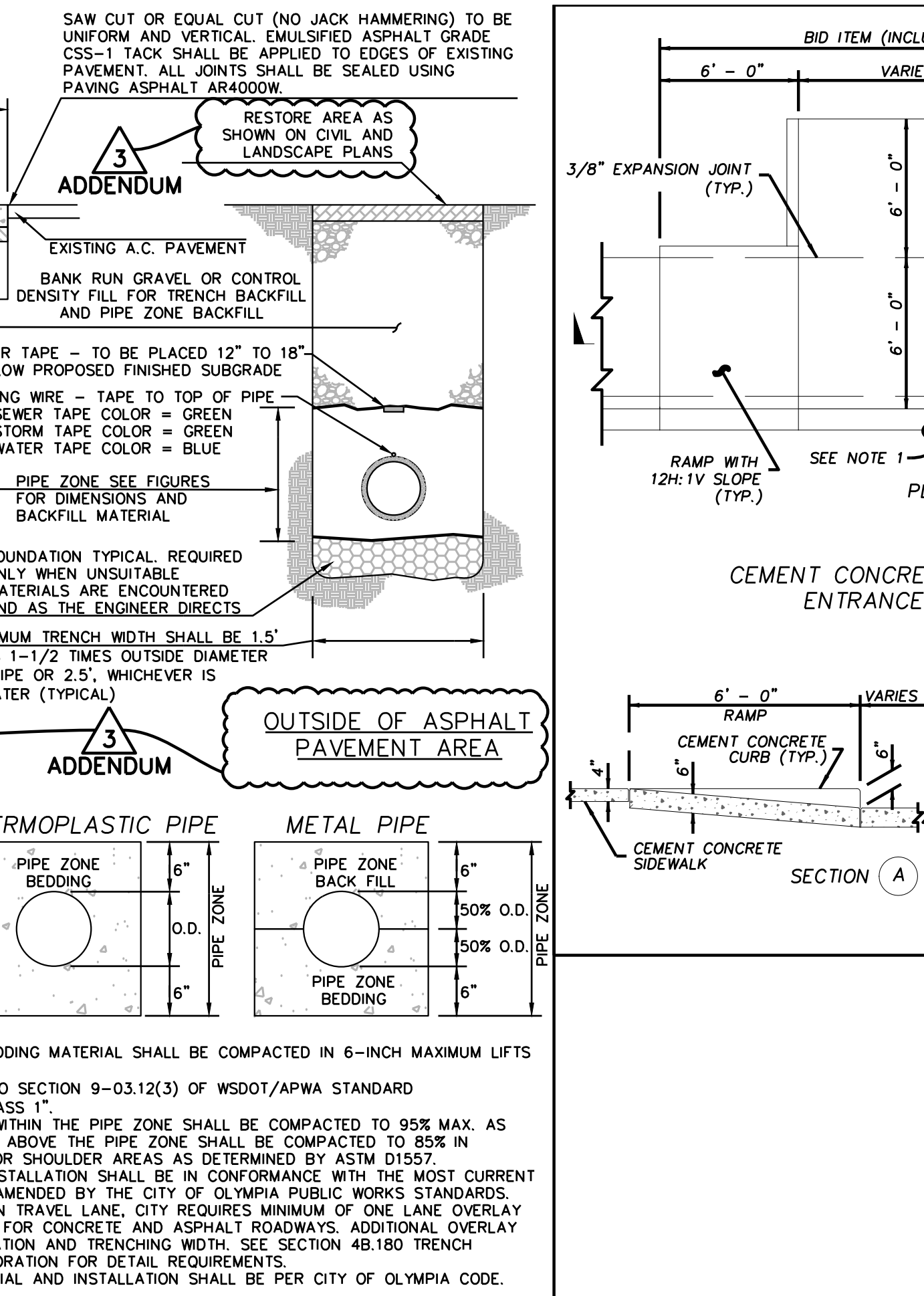
NOTE:
ALL THICKNESSES ARE MINIMUM COMPACTED DEPTHS IN PLACE

E TYPICAL POROUS ASPHALT PAVEMENT SECTION
NOT TO SCALE

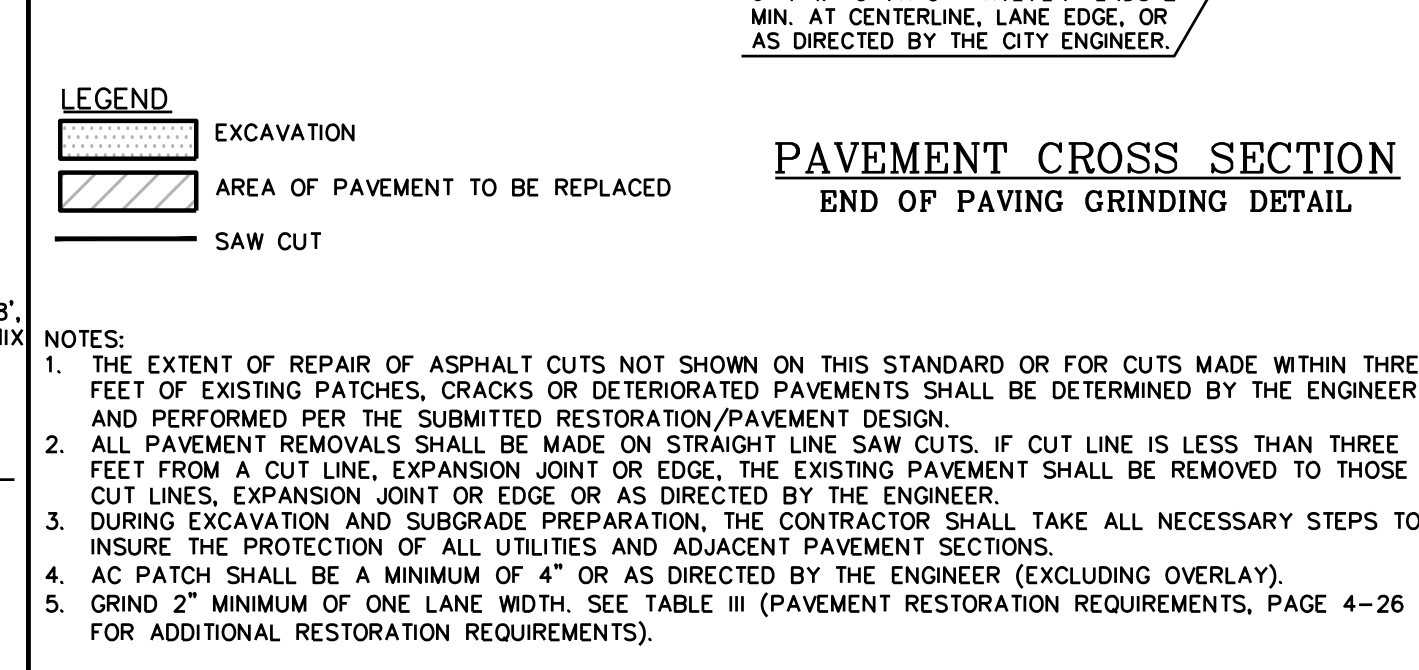
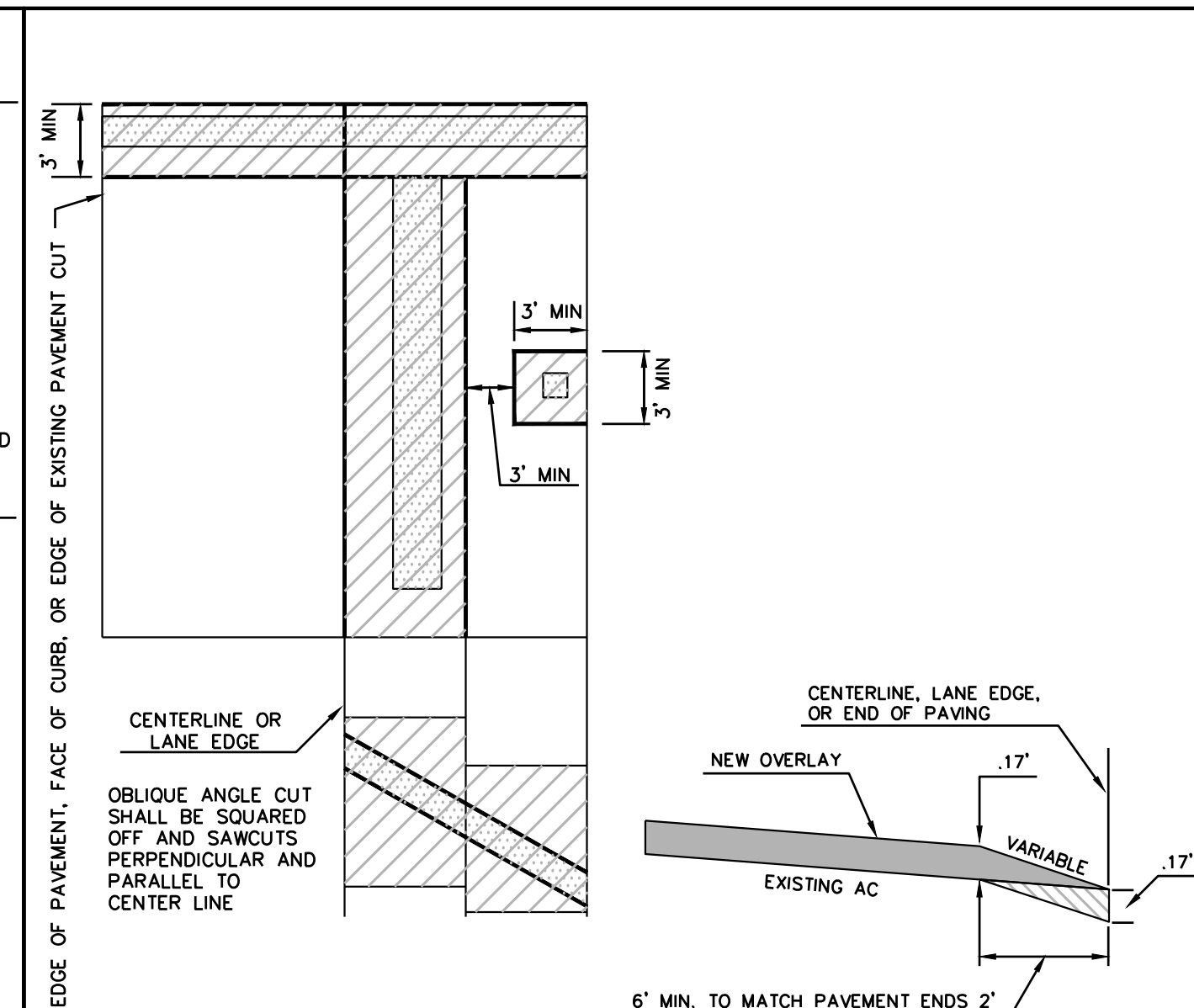
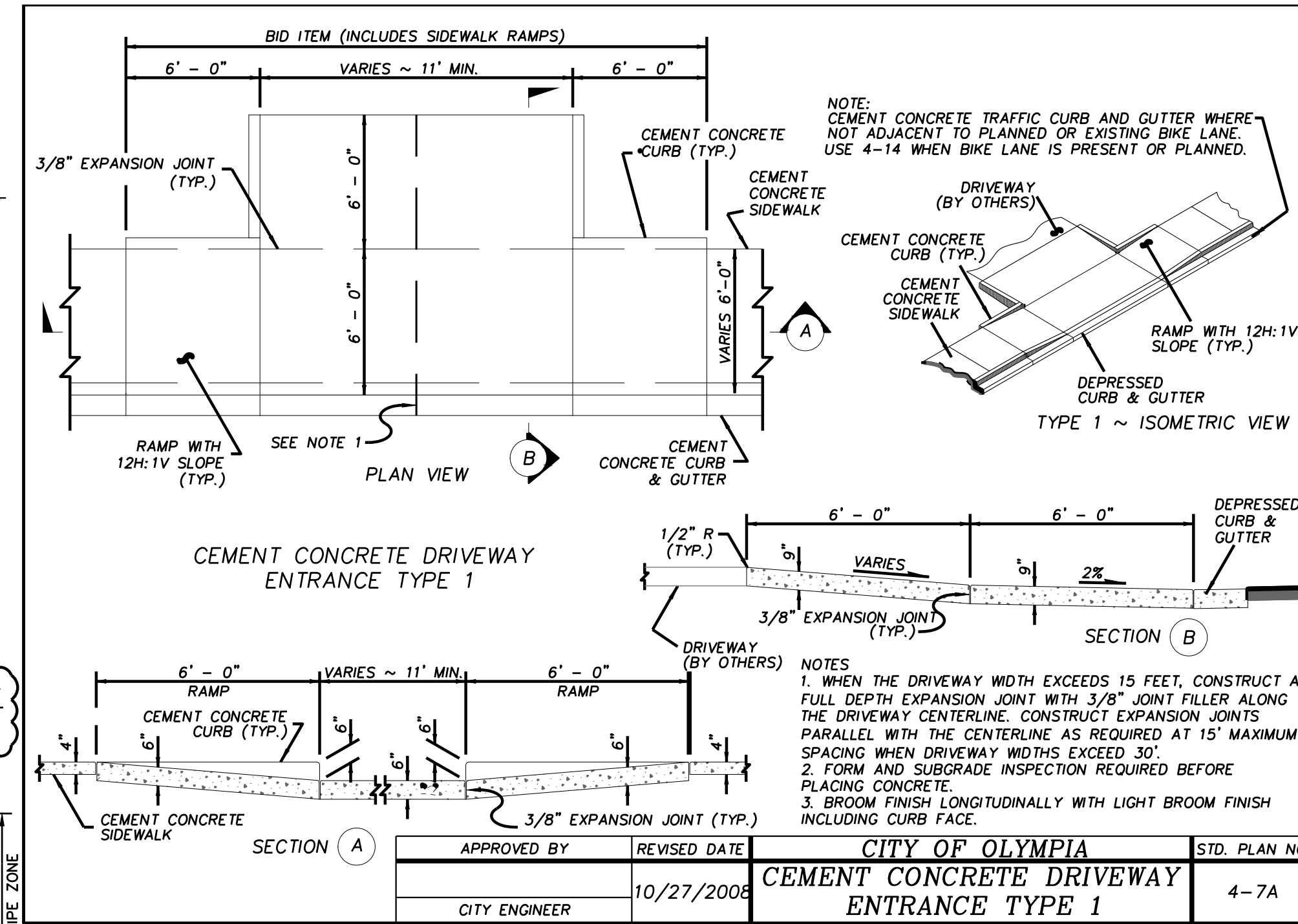


- NOTES:
1. ALL MATERIALS EXCEPT A.C.P. AND BEDDING MATERIAL SHALL BE COMPACTED IN 6-INCH MAXIMUM LIFTS TO 95% DENSITY.
 2. PIPE ZONE BEDDING SHALL CONFORM TO SECTION 9-03.12(3) OF WSDOT/APWA STANDARD SPECIFICATIONS EXCEPT 100% SHALL PASS 1".
 3. COMPACTION: BEDDING AND BACKFILL WITHIN THE PIPE ZONE SHALL BE COMPACTED TO 95% MAX. AS DETERMINED BY ASTM D1557. BACKFILL ABOVE THE PIPE ZONE SHALL BE COMPACTED TO 85% IN UNPAVED AREAS, AND 95% IN PAVED OR SHOULDER AREAS AS DETERMINED BY ASTM D1557.
 4. ALL MATERIALS, WORKMANSHIP, AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE MOST CURRENT WSDOT STANDARD SPECIFICATIONS AS AMENDED BY THE CITY OF OLYMPIA PUBLIC WORKS STANDARDS.
 5. FOR LONGITUDINAL TRENCH CUTS WITHIN TRAVEL LANE, CITY REQUIRES MINIMUM OF ONE LANE OVERLAY IN ADDITION TO TRENCH PATCH DETAIL FOR CONCRETE AND ASPHALT ROADWAYS. ADDITIONAL OVERLAY MAY BE REQUIRED DEPENDING ON LOCATION AND TRENCHING WIDTH. SEE SECTION 4B.180 TRENCH BACKFILL AND 4B.175 PAVEMENT RESTORATION FOR DETAIL REQUIREMENTS.

APPROVED BY	REVISED DATE	CITY OF OLYMPIA	STD. DWG. NO.
FRAN R. EIDE, PE	9/1/2015	TRENCH-PAVEMENT RESTORATION DETAIL	4-8
CITY ENGINEER			



APPROVED BY	REVISED DATE	CITY OF OLYMPIA	STD. DWG. NO.
FRAN R. EIDE, PE	9/1/2015	PAVEMENT REPLACEMENT	4-8A
CITY ENGINEER			



APPROVED BY	REVISED DATE	CITY OF OLYMPIA	STD. DWG. NO.
FRAN R. EIDE, PE	9/1/2015	ASPHALT PAVEMENT RESTORATION	4-8C
CITY ENGINEER			

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555. A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.

SKILLINGS CONNOLLY
5016 Lacey Boulevard SE, Lacey, WA 98503
Ph.: (360) 491-3399 www.skillings.com

msgs architects
p 360 943 6774 f 360 352 7005
www.msgsarch.com

CE.10
MSGS Project No. 16-111

**ROOSEVELT ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING**
OLYMPIA SCHOOL DISTRICT
1417 SAN FRANCISCO AVE NE, OLYMPIA, WA. 98506

CONSTRUCTION DETAILS

ISSUE: BID SET
NOVEMBER 28, 2016

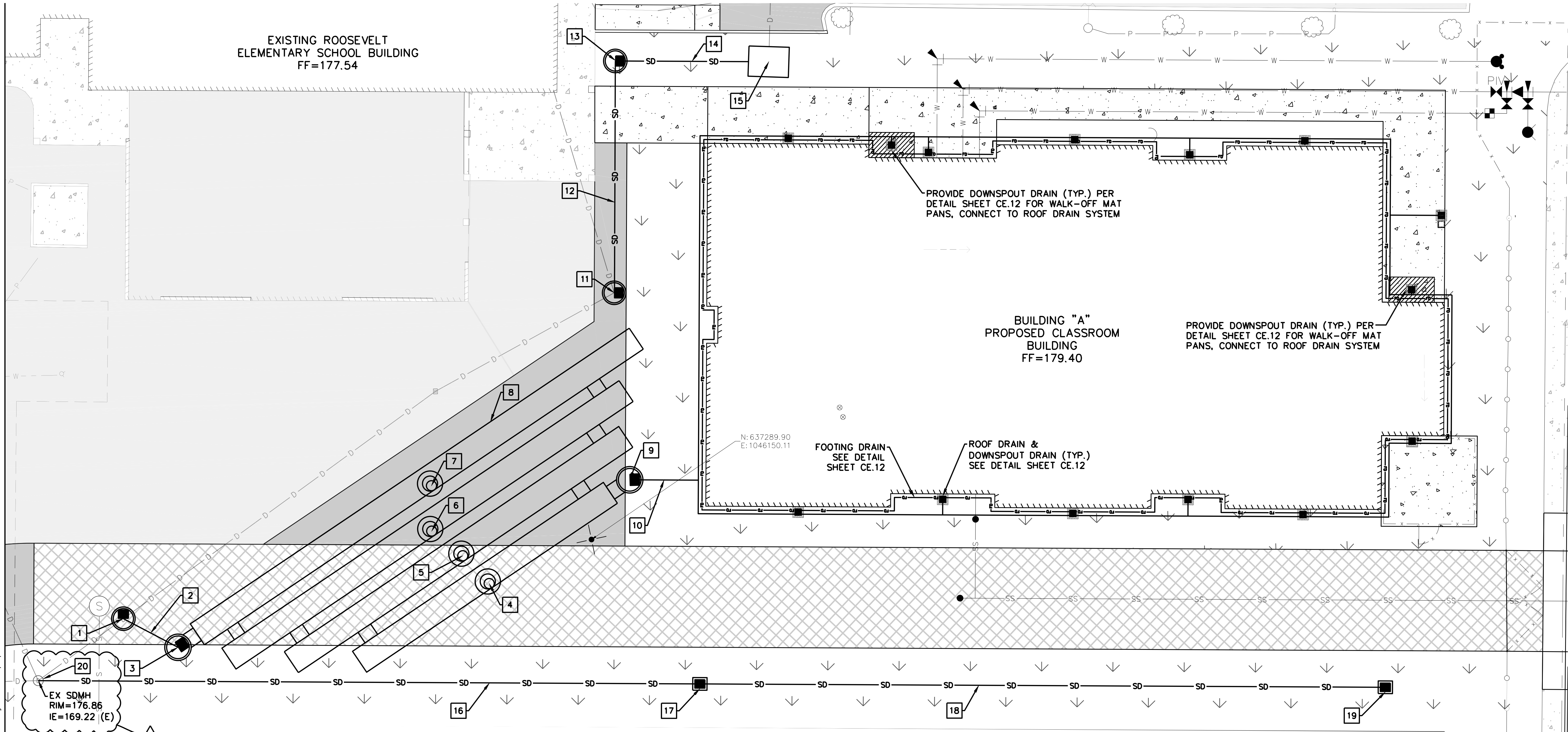
Revisions Closing Date
ADDENDUM 3 12/6/2016

Sheet No. CE.10

Sheet Title

ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MSGS ARCHITECTS AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION.

Plotted By: Sam Rowell on 12/30/16 10:49 AM
G:\Project\2016\16097 MSGS Olympia SD Mini-Buildings\CAD\Project 4 Roosevelt\Drawings\Construction\Production\16097_CE11 - DRAINAGE PLAN.dwg



STORM DRAINAGE NOTES:

1 N: 637277.01
E: 1046056.80
INSTALL
CB1 TYPE 2 48 IN. DIAM. WITH
SOLID LOCKING LID
RIM=176.78
IE=169.34 (NE, SW, SE)
CONNECT TO EXISTING
18" STORM LINE

2 INSTALL
13 LF OF 18" ADS N-12
STORM PIPE
S=0.38%

3 N: 637276.33
E: 1046075.92
INSTALL
CB2 TYPE 2 54 IN. DIAM. WITH
SOLID LOCKING LID AND FLOW
CONTROL STRUCTURE
SEE DETAIL SHEET CE.12
RIM=176.83
IE=169.39

4 N: 637281.78
E: 1046129.56
INSTALL ACCESS RISER
RIM=177.53

5 N: 637287.45
E: 1046124.49
INSTALL ACCESS RISER
RIM=177.60

6 N: 637292.52
E: 1046118.48
INSTALL ACCESS RISER
RIM=177.49

7 N: 637301.53
E: 1046118.70
INSTALL ACCESS RISER
RIM=177.17

8 CONSTRUCT DETENTION SYSTEM
SEE DETAIL SHEET CE.13

9 N: 637301.52
E: 1046158.05
INSTALL
CB3 TYPE 2 54 IN. DIAM. WITH
SOLID LOCKING LID
RIM=177.63
IE=169.39 (W)
IE=174.67 (E)

10 INSTALL
14 LF OF 8" ADS N-12
STORM PIPE
S=2.0%
CONNECT TO ROOF DRAIN AND
FOOTING DRAIN PER DETAIL C ON
SHEET CE.12

11 N: 637338.70
E: 1046156.15
INSTALL
CB3 TYPE 2 48 IN. DIAM. WITH
FRAME AND GRATE
RIM=176.99
IE=170.00
CONNECT TO EXISTING 12" STORM
LINE AND ROOF DRAIN LINE

12 INSTALL
46 LF OF 18" ADS N-12
STORM PIPE
S=0.2%

13 N: 637384.67
E: 1046157.71
INSTALL
CB4 TYPE 2 48 IN. DIAM. WITH
FRAME AND GRATE
RIM=177.34
IE=170.10 (E,S)

14 INSTALL
31 LF OF 18" ADS N-12
STORM PIPE
S=0.2%

15 N: 637383.60
E: 1046188.14
INSTALL
8'x6' PEAK DIVERSION STORMFILTER
WITH 7 - 27" ZPG CARTRIDGES
SEE DETAIL SHEET CE.13
RIM=177.23
IE=170.59 (N)
IE=170.16 (W)
CONNECT TO EXISTING
12" STORM LINE
CONTRACTOR TO VERIFY PIPE SIZE
AND INLET ELEVATION PRIOR TO
CONSTRUCTION AND NOTIFY
ENGINEER.

16 INSTALL
132 LF OF 12" ADS N-12
STORM PIPE
S=3.33%

17 N: 637260.62
E: 1046170.74
INSTALL
CB6 TYPE 1
RIM=177.40

IE=173.62 (E,W)

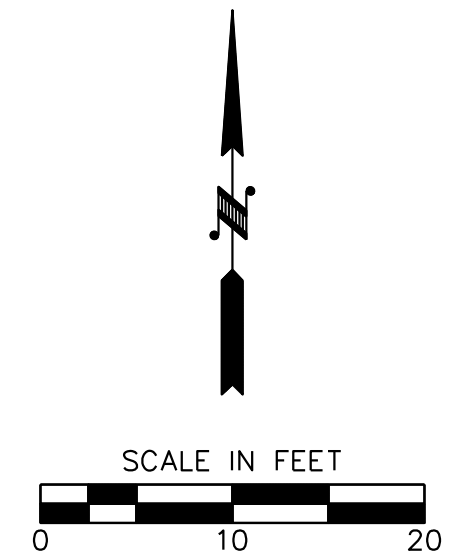
18 INSTALL
136 LF OF 12" ADS N-12
STORM PIPE
S=0.5%

19 N: 637255.84
E: 1046306.65
INSTALL
CB7 TYPE 1
RIM=178.42
IE=174.30 (W)

20 ADJUST MANHOLE, INSTALL OPEN
GRATE & SET RIM ELEV. TO 176.20

NOTES

1. TRENCH RESTORATION OF ALL NEW
UTILITY TRENCHING SHALL BE PER
DETAIL ON SHEET CE.10 RESTORE
AREAS TO MATCH EXISTING
CONDITIONS OR PROPOSED
IMPROVEMENTS.
2. FOOTING DRAIN SHALL NOT BE
CONNECTED TO ROOF DRAIN SYSTEM
EXCEPT AT CB 3.
3. CONTRACTOR SHALL INSTALL AND
MAINTAIN CB FILTER SOCKS ON NEW
CB'S AT TIME OF INSTALLATION.



VERTICAL DATUM
THURSTON COUNTY MON. "209"
NAVD88

APPROVED FOR CONSTRUCTION

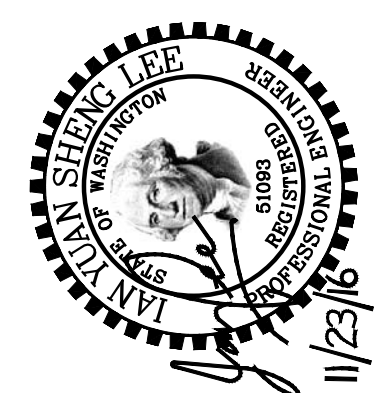
By: _____ DATE _____
Engineering Plans Examiner

APPROVAL EXPIRES: _____

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION
AND PROTECTION OF ALL EXISTING UTILITIES.
THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO
CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT
1-800-424-5555
A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION. THE
CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL
LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.

**SKILLINGS
CONNOLLY**

5016 Lacey Boulevard SE, Lacey, WA 98503
Ph.: (360) 491-3399 www.skillings.com



ISSUE: BID SET
NOVEMBER 28, 2016

Revisions Closing Date
ADDENDUM 3 12/12/2016

ALL RIGHTS RESERVED THESE DRAWINGS ARE
THE PROPERTY OF MSGS ARCHITECTS AND
ARE NOT TO BE USED OR REPRODUCED IN
ANY MANNER WITHOUT PRIOR WRITTEN
PERMISSION.

Sheet Title

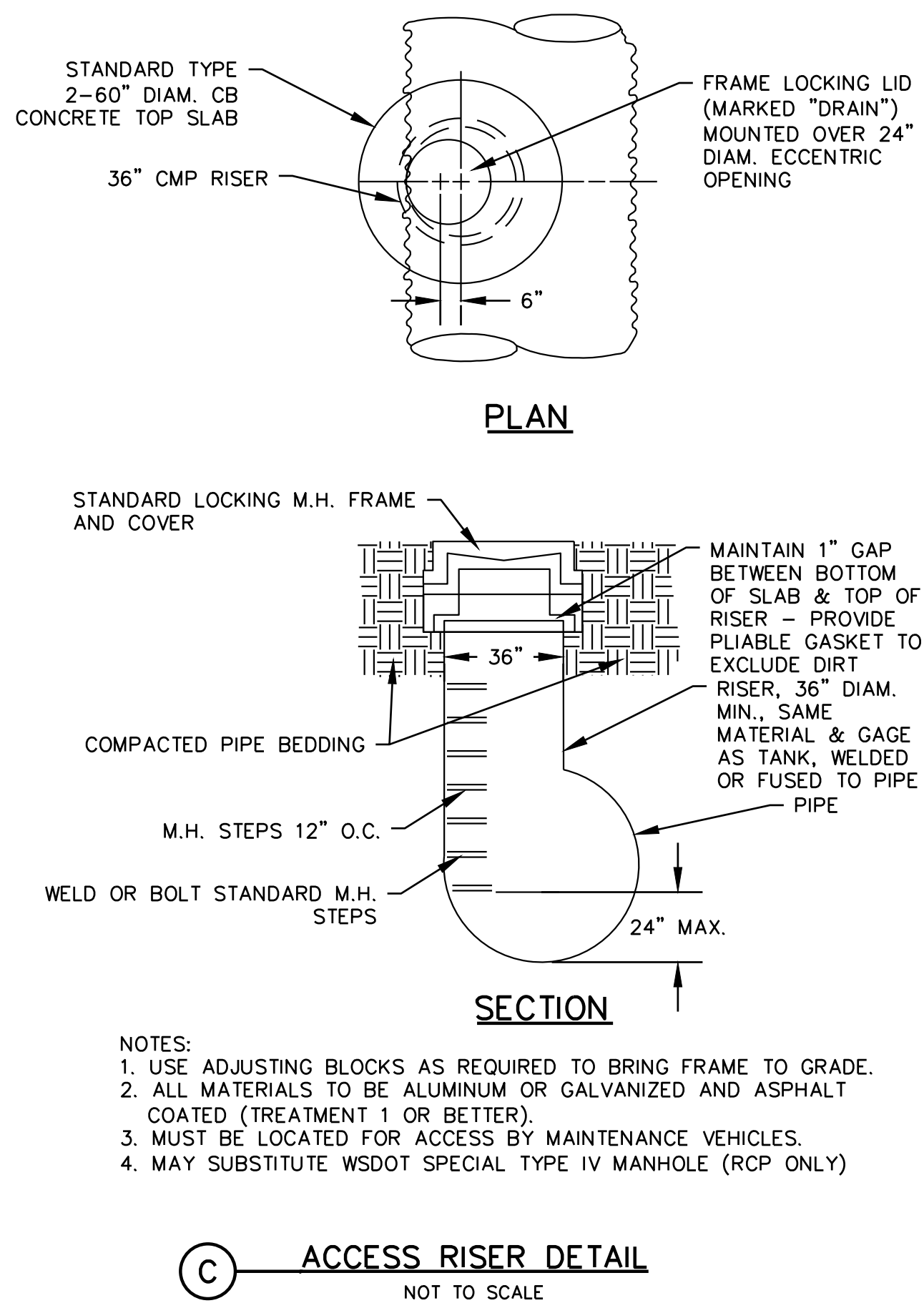
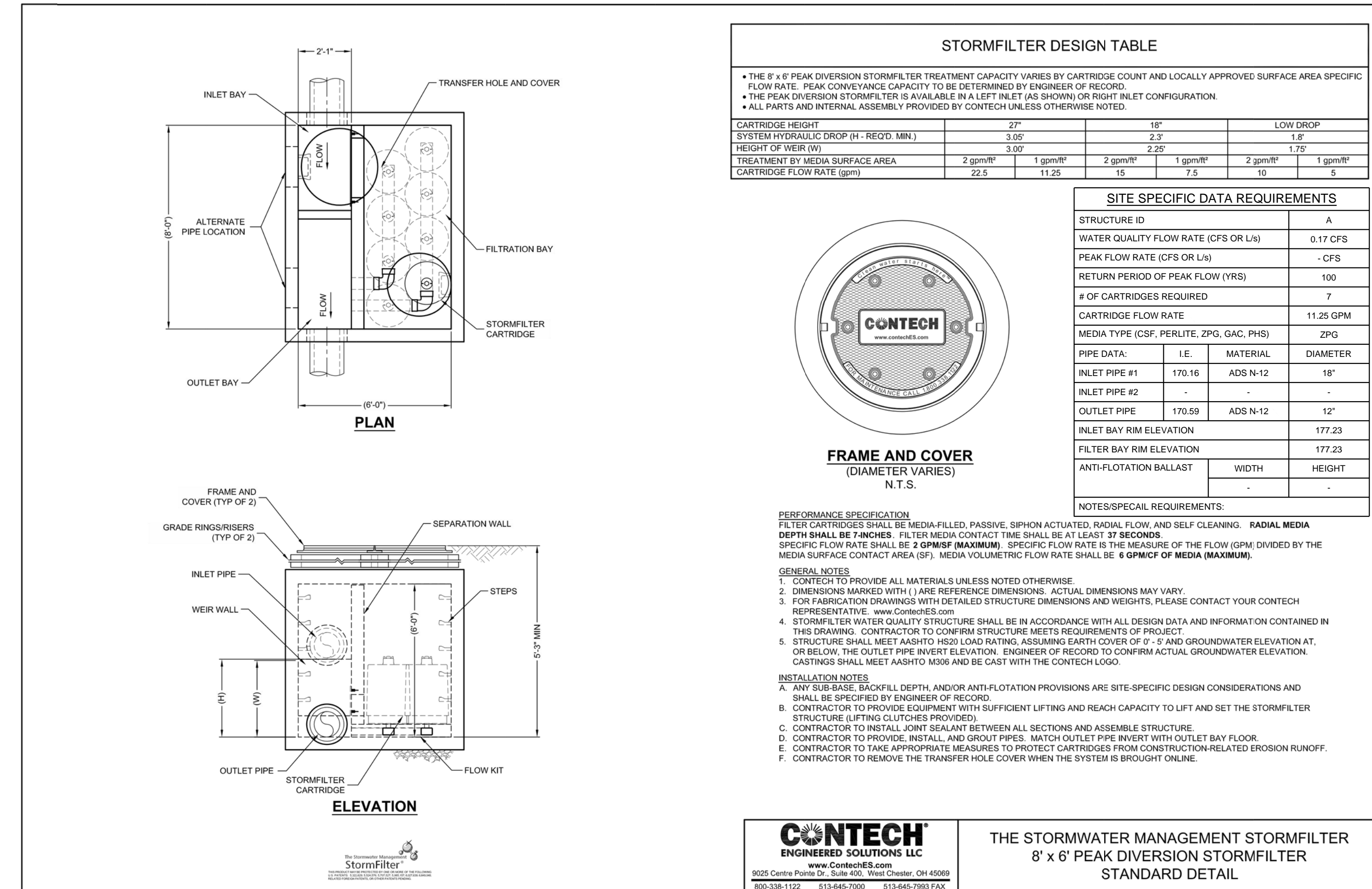
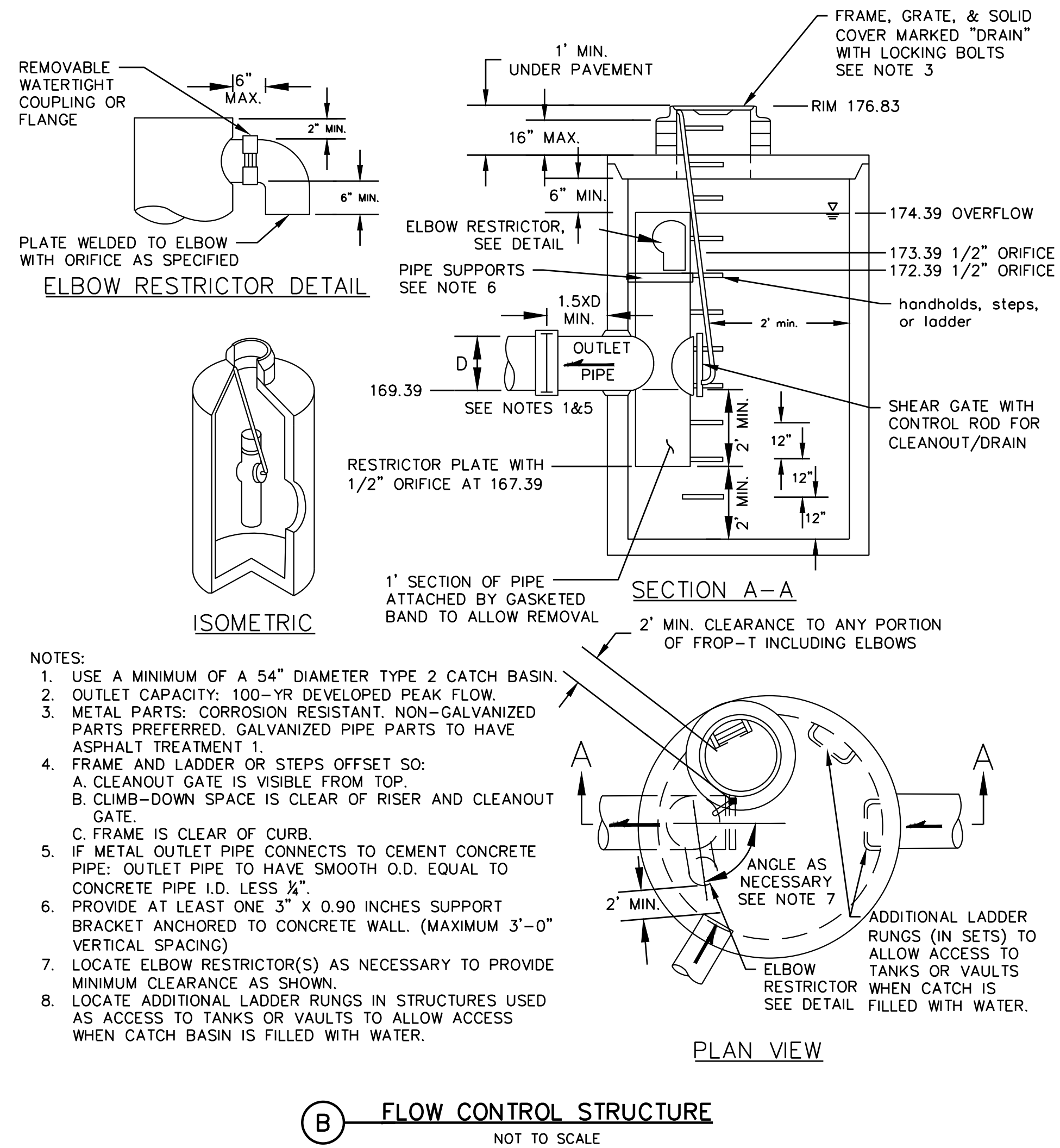
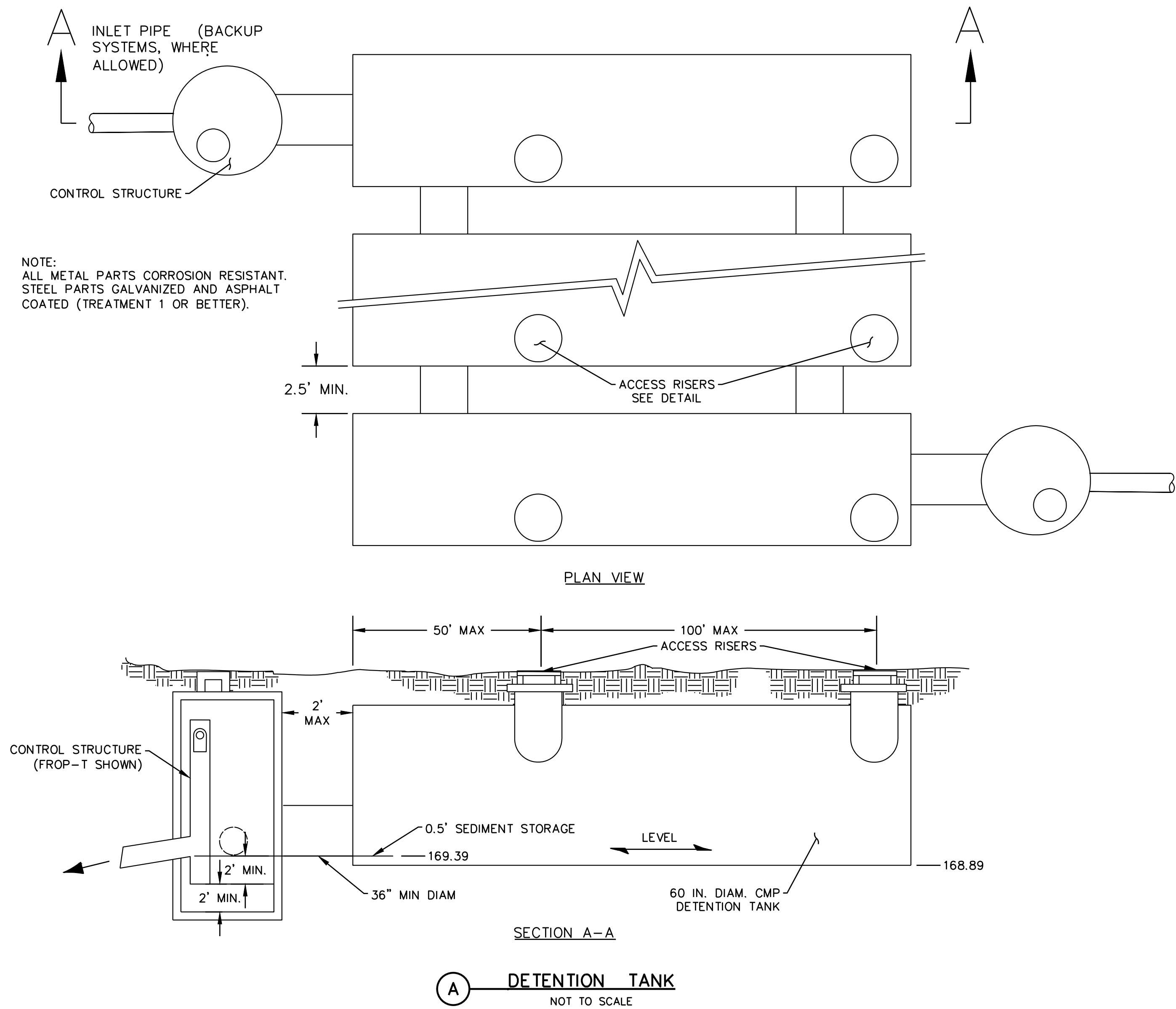
DRAINAGE PLAN

Sheet No.
CE.11
MSGS Project No.
16-111

**ROOSEVELT ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING**
OLYMPIA SCHOOL DISTRICT
1417 SAN FRANCISCO AVE NE, OLYMPIA, WA. 98506

msgs architects
p 360 943 6774 f 360 352 7005
www.msgsarch.com
510 capital way south
olympia, washington 98501

Plotted By: Sam Rowsewell on 12/30/16 10:51 AM
C:\Project\2016\MSGS Olympia SD Mini-Buildings (CAD)\Project 4 Roosevelt\Drawings\Construction\Production\16097_CET13 - DRAINAGE DETAILS (2).dwg Rowsell 12/28/16 12:21 PM



APPROVED FOR CONSTRUCTION

BY: _____ DATE _____

Engineering Plans Examiner

APPROVAL EXPIRES: _____

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES.

THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555

A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.



5016 Lacey Boulevard SE, Lacey, WA 98503
Ph.: (360) 491-3399 www.skillings.com



ISSUE: BID SET
NOVEMBER 28, 2016

Revisions Closing Date

ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MSGS ARCHITECTS AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION.

Sheet Title

DRAINAGE DETAILS

Sheet No.

CE.13

MSGS Project No.

16-111

ROOSEVELT ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING

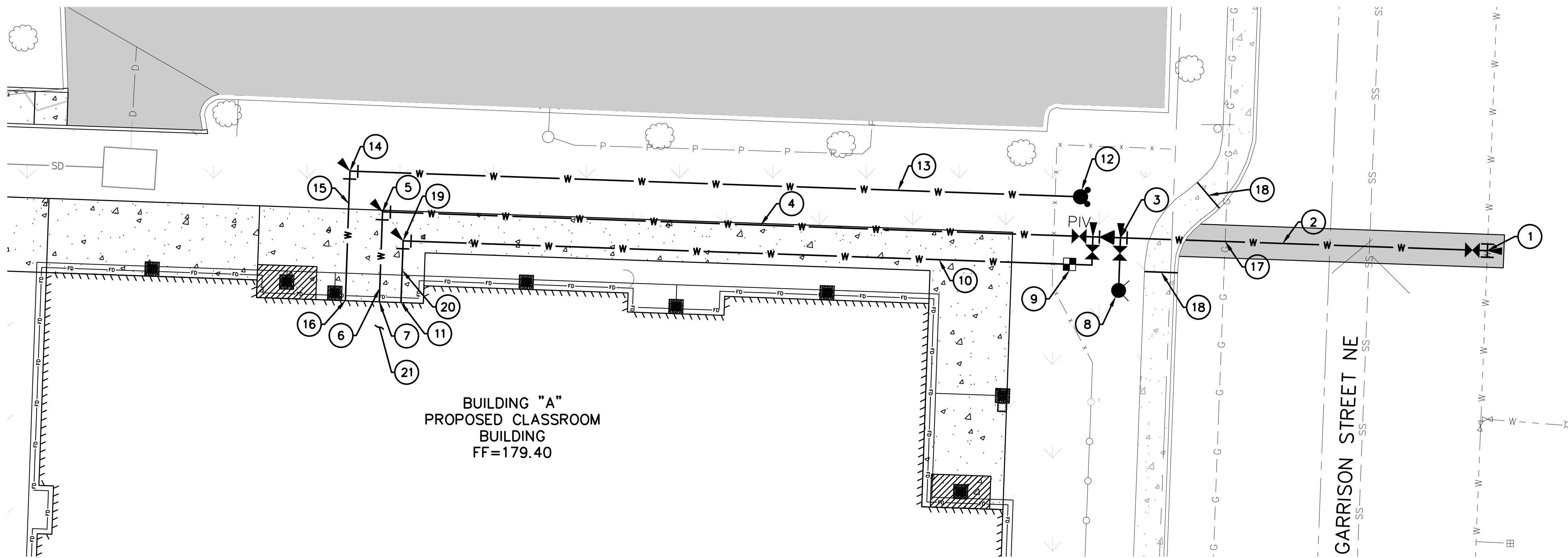
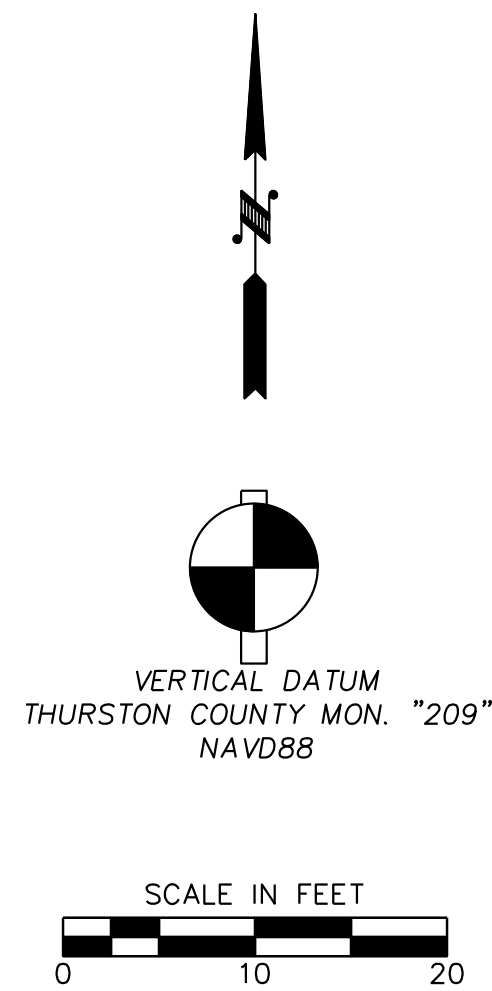
OLYMPIA SCHOOL DISTRICT

1417 SAN FRANCISCO AVE NE, OLYMPIA, WA. 98506

p 360 943 6774 f 360 352 7005
www.msgsarch.com

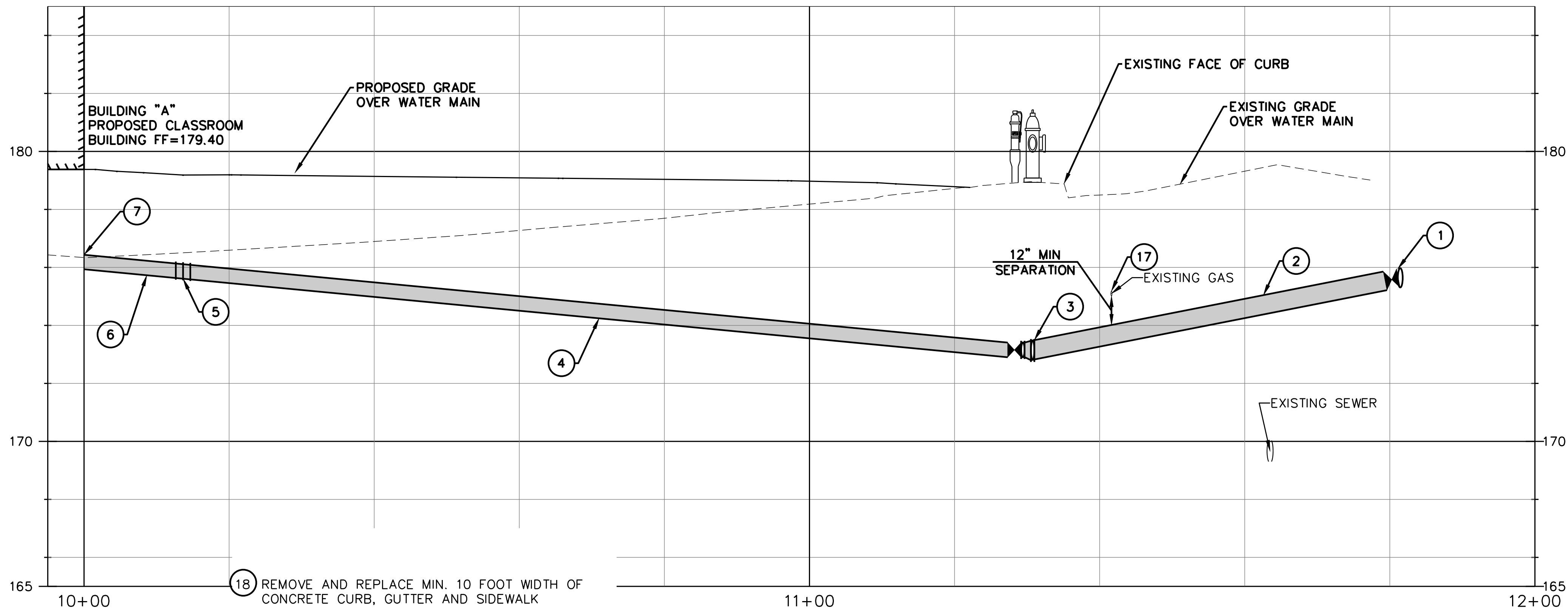
msgs architects

510 capital way south
olympia, washington 98501



PR WA EAST PROFILE
H=1"=10' (24X36)
V:1"=2' (24X36)

PROPOSED WATER MAIN PROFILE



NOTES

TRENCH RESTORATION OF ALL NEW UTILITY TRENCHING, EXCEPT WITHIN THE CITY OF OLYMPIA ROW, SHALL BE PER DETAIL ON SHEET CE.10; UTILITY TRENCHING WITHIN THE CITY OF OLYMPIA ROW SHALL CONFORM TO CITY OF OLYMPIA CURRENT EDDS STANDARDS. RESTORE AREAS AS SHOWN ON CIVIL AND LANDSCAPE PLANS

APPROVED FOR CONSTRUCTION	
BY: _____	DATE _____
Engineering Plans Examiner	
APPROVAL EXPIRES: _____	

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555. A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.

**SKILLINGS
CONNOLLY**
5016 Lacey Boulevard SE, Lacey, WA 98503
Ph.: (360) 491-3399 www.skillings.com

WATER NOTES:

- N: 637371.10
E: 1046394.19
CONNECT TO EXISTING 8" WATER MAIN; CONTRACTOR TO FIELD VERIFY PIPE LOCATION, DEPTH, MATERIAL, SIZE, PRIOR TO ORDERING MATERIALS;
INSTALL
8" TEE (FL)
PER CITY OF OLYMPIA DETAIL 6-11
8" GATE VALVE (FLxMJ)
THRUST BLOCKING
SEE DETAILS ON SHEET CE.15
- INSTALL
56 LF 8" AWWA C151 CL 50 DUCTILE IRON
TRENCH RESTORATION SHALL BE PER CITY OF OLYMPIA STANDARD DRAWINGS 4-8, 4-8A & 4-8C ON SHEET CE.10
- N: 637373.06
E: 1046338.51
INSTALL
8"x6" TEE (FL)
8" FLxMJ ADAPTER
6" GATE VALVE (FLxMJ)
8"x6" REDUCER (FL)
6"x4" TEE (FL)
6" POST INDICATOR VALVE (FLxMJ)
TAMPER SWITCH PER ELECTRICAL/MECHANICAL PLANS
4" GATE VALVE (FL)
4" BLIND FLANGE TAPPED 3" NPT
FITTINGS AND ADAPTERS AS REQUIRED
THRUST BLOCKING
SEE DETAILS ON SHEET CE.15
- INSTALL
108 LF 6" AWWA C151 CL 52 DUCTILE IRON
SEE TRENCH RESTORATION DETAIL ON SHEET CE.10
- N: 637376.99
E: 1046226.51
INSTALL
6" 90° BEND (MJ)
(2) 6" RESTRAINING GLANDS
THRUST BLOCKING
SEE DETAILS ON SHEET CE.15
- INSTALL
14 LF 6" AWWA C151 CL 52 DUCTILE IRON
SEE TRENCH RESTORATION DETAIL ON SHEET CE.10
- CONNECT TO BUILDING FIRE PROTECTION PIPING
PER MECHANICAL PLANS
- N: 637365.07
E: 1046338.23
INSTALL
FIRE HYDRANT ASSEMBLY
PER CITY OF OLYMPIA DETAIL 6-8
THRUST BLOCKING
SEE DETAILS ON SHEET CE.15
- INSTALL
2" WATER METER
PER CITY OF OLYMPIA DETAIL 6-3
FITTINGS AND ADAPTERS AS REQUIRED
SEE DETAILS ON SHEET CE.15
- INSTALL
101 LF 3" AWWA C151 CL51 DUCTILE IRON
SEE TRENCH RESTORATION DETAIL ON SHEET CE.10
- CONNECT TO BUILDING WATER SUPPLY
PER MECHANICAL PLANS;
FITTINGS AND ADAPTERS AS REQUIRED
- N: 637379.28
E: 1046332.44
INSTALL
FIRE DEPARTMENT CONNECTION
PER DETAIL ON SHEET CE.15
THRUST BLOCKING

- INSTALL
111 LF 4" AWWA C151 CL 52 DUCTILE IRON
SEE TRENCH RESTORATION DETAIL ON SHEET CE.10
- N: 637383.18
E: 1046221.57
INSTALL
4" 90° BEND (MJ)
(2) 4" RESTRAINING GLANDS
THRUST BLOCKING
SEE DETAILS ON SHEET CE.15
- INSTALL
20 LF 4" AWWA C151 CL 52 DUCTILE IRON
SEE TRENCH RESTORATION DETAIL ON SHEET CE.10
- CONNECT TO BUILDING FIRE DEPARTMENT CONNECTION
PIPING PER MECHANICAL PLANS
- FIELD VERIFY LOCATION OF EXISTING GAS LINE PRIOR
TO ORDERING MATERIALS

- REMOVE AND REPLACE MIN. 10 FOOT WIDTH OF
CONCRETE CURB, GUTTER AND SIDEWALK
- INSTALL
3" 90° BEND (MJ)
THRUST BLOCKING
SEE DETAILS ON SHEET CE.15
- INSTALL
10 LF 3" AWWA C151 CL51 DUCTILE IRON
SEE TRENCH RESTORATION DETAIL ON SHEET CE.10
- DOUBLE CHECK VALVE ASSEMBLIES LOCATED IN
MECHANICAL ROOM, SEE MECHANICAL PLANS



ISSUE: BID SET
NOVEMBER 28, 2016

Revisions Closing Date
ADDENDUM 3 12/12/2016

ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MSGS ARCHITECTS AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION.

Sheet Title

WATER PLAN &
PROFILE

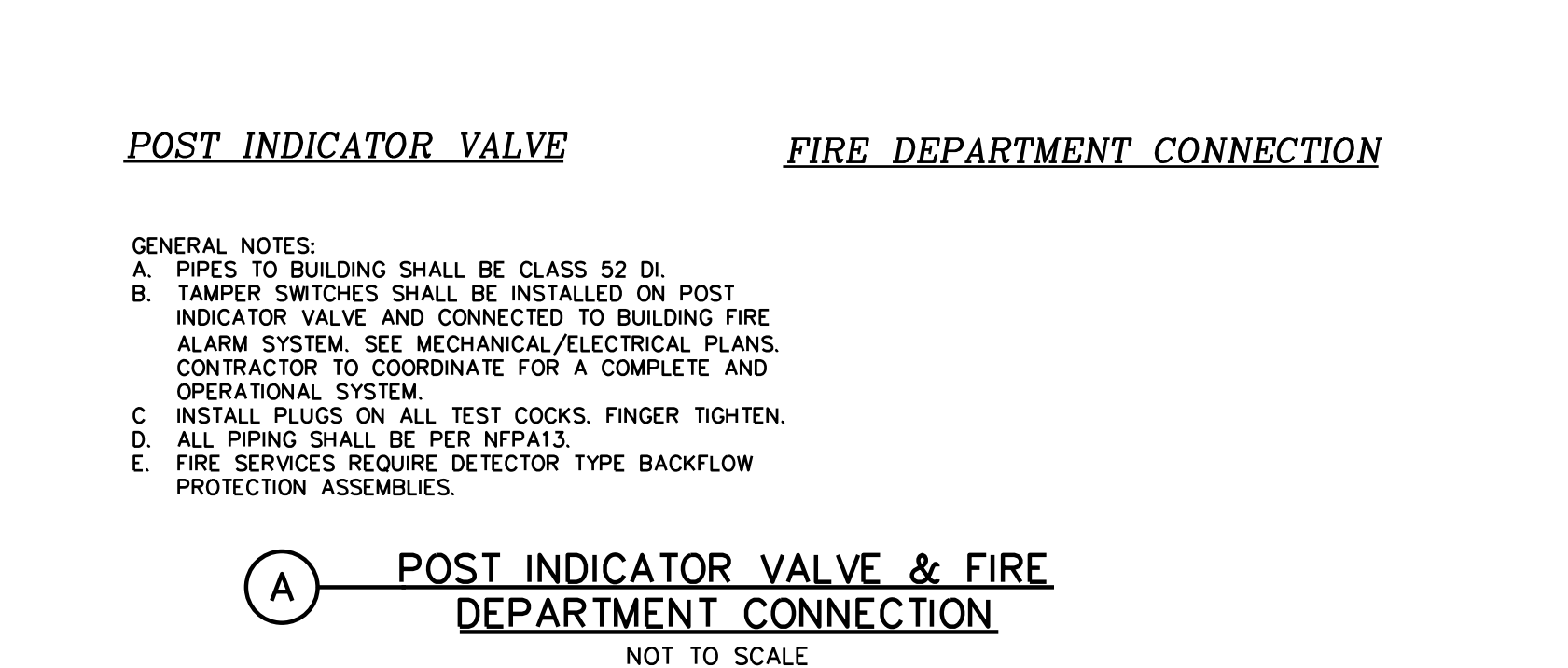
Sheet No.

CE.14

MSGS Project No.
16-111

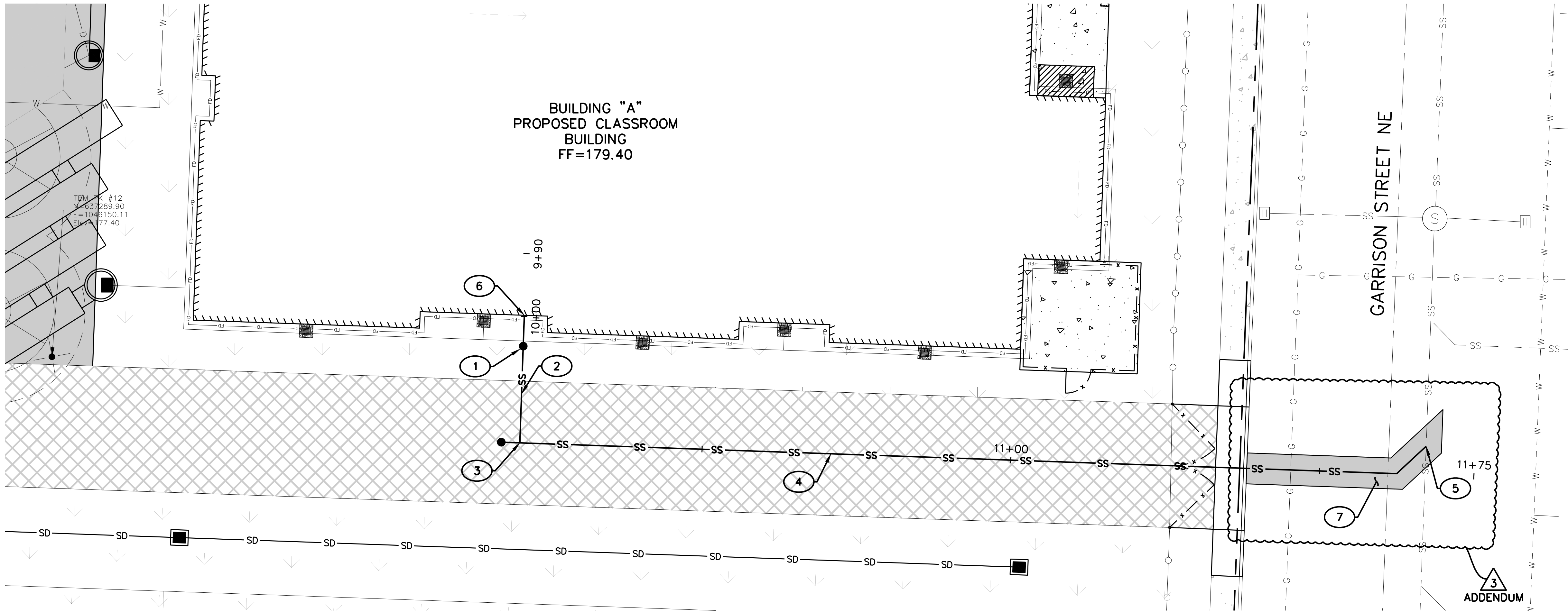


-
- 36"
- 2-1/2" FIRE DEPARTMENT
INLET CONNECTION
- RAISED LETTERS
"AUTO SPRINKLER"
- SCHEDULE 40
GALVANIZED STEEL
- 24"-36"
- 18" x 18" x 8"
CONC. BLOCK
- SCHEDULE 40 GALVANIZED
STEEL WRAPPED WITH
6 MIL PLASTIC
- DUCTILE IRON PIPE
- PIPE MATERIAL & FITTINGS
AS PER SPECIFICATIONS
- MEGA
LUG

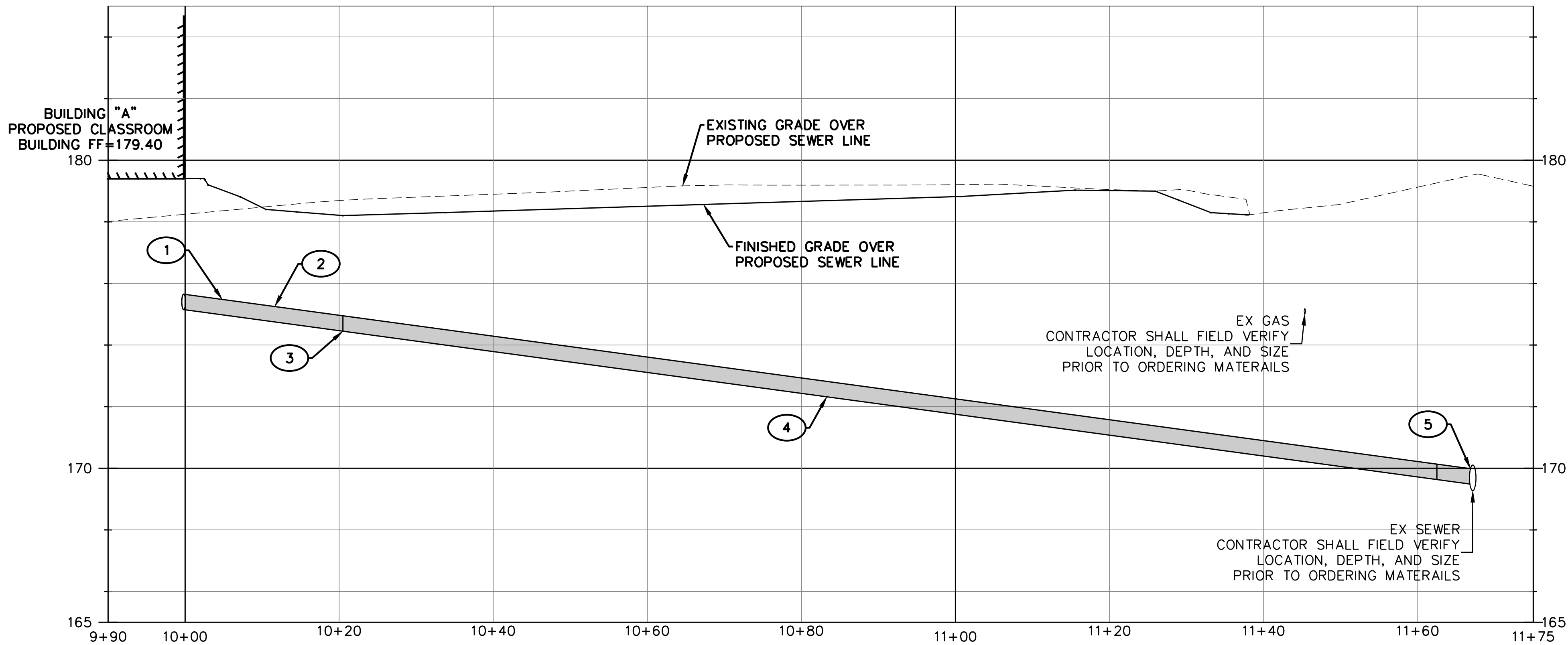


THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.

Plotted By: Sam Rowan on 12/30/16 10:53 AM
G:\Project\2016\16097 MSGS Olympia SD Mini-Buildings\CA0\Project 4 Roosevelt\Drawings\Construction\Production\16097_CE16 - SEWER PLAN & PROFILE.dwg Mlopez 12/19/16 3:06 PM



PR SEWER PROFILE
H: 1"=10' (24X36)
V: 1"=2' (24X36)

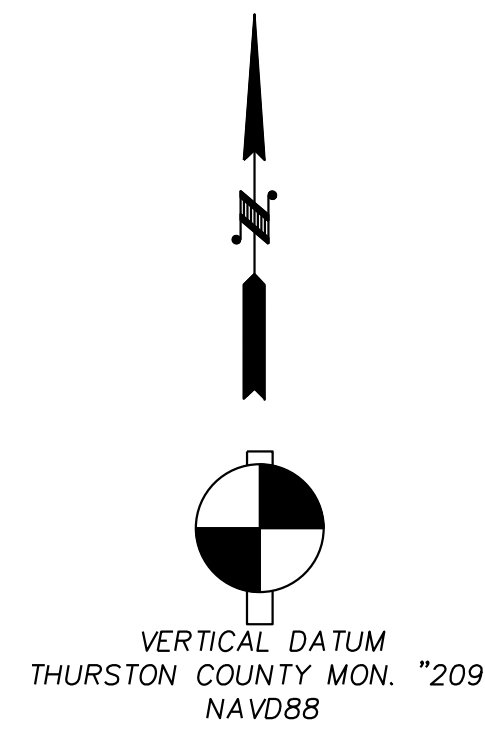


SEWER NOTES:

- 1 N: 637291.62
E: 1046226.39
INSTALL
SEWER CLEAN OUT
IE: 175.15
- 2 INSTALL
21 LF 6" ASTM D 3034 PVC SEWER PIPE
AND TRACER WIRE.
S=3.39%
- 3 N: 637275.96
E: 1046225.84
INSTALL
SEWER CLEAN OUT
1-90° ELBOW
IE: 174.45
- 4 INSTALL
150 LF 6" ASTM D 3034 PVC SEWER PIPE
AND TRACER WIRE.
S=3.39%
- 5 N: 637275.41
E: 1046372.54
CONNECT TO EXISTING SEWER LINE PER
CITY OF OLYMPIA STANDARD DETAIL 7-19.
IE: 169.50
CONTRACTOR SHALL FIELD VERIFY
LOCATION, DEPTH AND SIZE PRIOR TO
ORDERING MATERIALS
- 6 CONNECT TO BUILDING SEWER LINE PER
MECHANICAL PLANS
- 7 TRENCH RESTORATION SHALL BE PER CITY
OF OLYMPIA STANDARD DRAWINGS 4-8,
4-8A & 4-8C ON SHEET CE.10

NOTES

TRENCH RESTORATION OF ALL
NEW UTILITY TRENCHING, EXCEPT
WITHIN THE CITY OF OLYMPIA
ROW, SHALL BE PER DETAIL ON
SHEET CE.10; UTILITY TRENCHING
WITHIN THE CITY OF OLYMPIA
ROW SHALL CONFORM TO CITY
OF OLYMPIA CURRENT EDDS
STANDARDS. RESTORE AREAS TO
MATCH EXISTING CONDITIONS OR
PROPOSED IMPROVEMENTS



SCALE IN FEET
0 10 20

NOTES

TRENCH RESTORATION SHALL BE
PER DETAIL ON SHEET CE.08

APPROVED FOR CONSTRUCTION
BY: _____ DATE _____
Engineering Plans Examiner
APPROVAL EXPIRES: _____

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION
AND PROTECTION OF ALL EXISTING UTILITIES.
THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO
CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT
1-800-424-5555
A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION. THE
CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL
LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.

**SKILLINGS
CONNOLLY**
5016 Lacey Boulevard SE, Lacey, WA 98503
Ph.: (360) 491-3399 www.skillings.com



ISSUE: BID SET
NOVEMBER 28, 2016

Revisions Closing Date
ADDENDUM 3 12/12/2016

ALL RIGHTS RESERVED THESE DRAWINGS ARE
THE PROPERTY OF MSGS ARCHITECTS AND
ARE NOT TO BE USED OR REPRODUCED IN
ANY MANNER, WITHOUT PRIOR WRITTEN
PERMISSION.

Sheet Title

**SEWER PLAN &
PROFILE**

Sheet No.

CE.16

MSGS Project No.
16-111

**ROOSEVELT ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING**

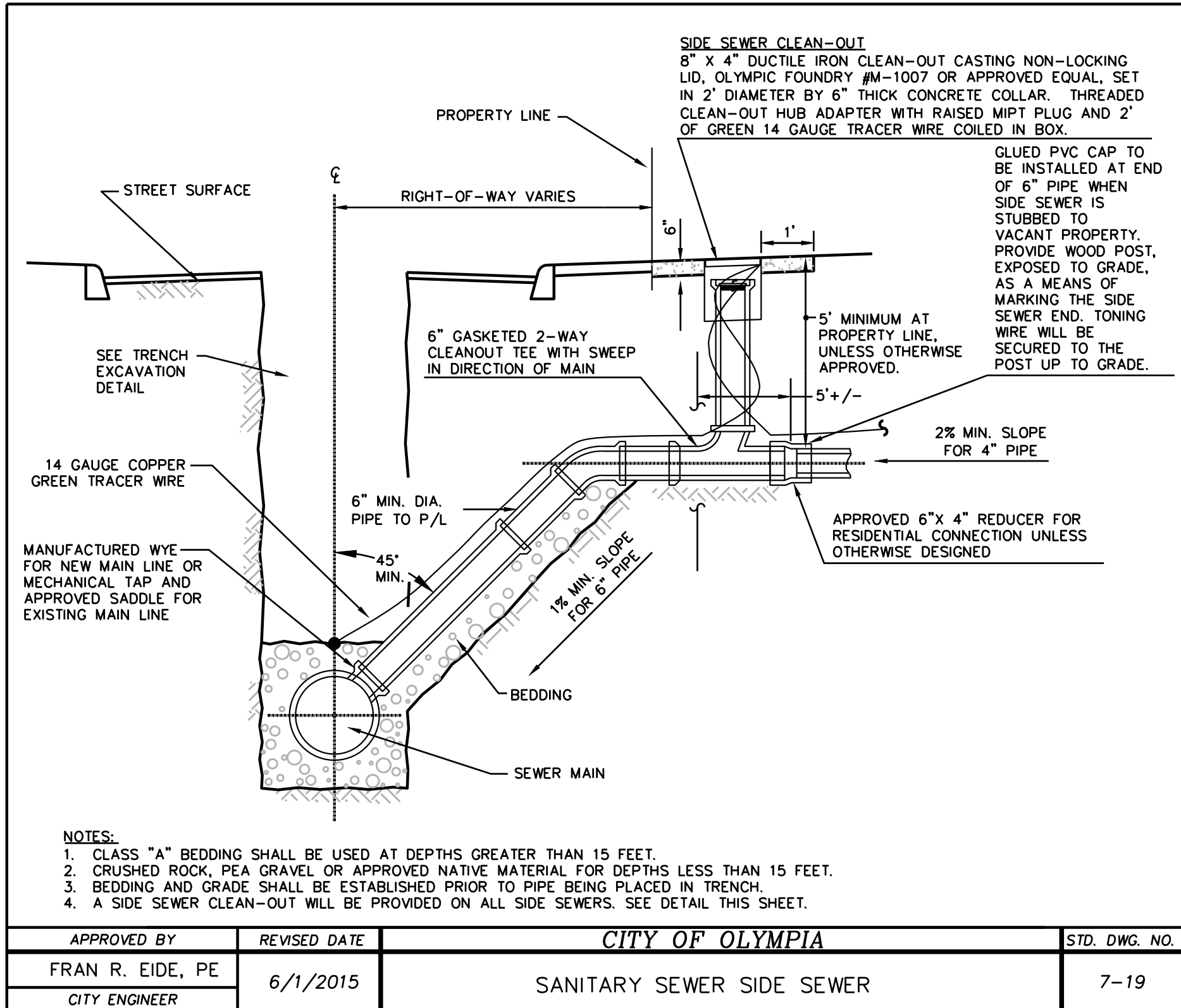
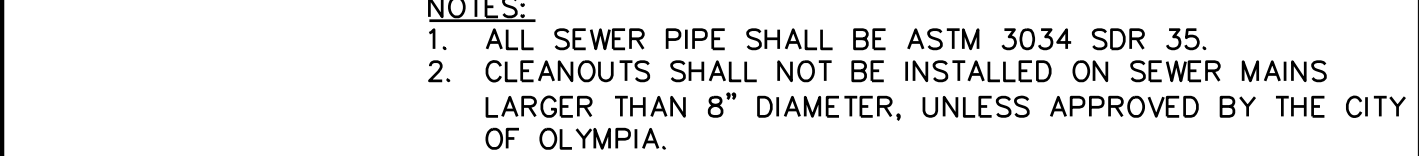
OLYMPIA SCHOOL DISTRICT
1417 SAN FRANCISCO AVE NE, OLYMPIA, WA. 98506

p 360 943 6774 f 360 352 7005
www.msgsarch.com

msgs architects

510 capital way south
olympia, washington 98501

1. IF CONSTRUCTION IS TO TAKE PLACE IN THE COUNTY RIGHT-OF-WAY, THE CONTRACTOR SHALL NOTIFY THE COUNTY AND OBTAIN ALL THE REQUIRED APPROVALS AND PERMITS.
2. THE CITY OF OLYMPIA CONSTRUCTION INSPECTOR SHALL BE NOTIFIED A MINIMUM OF 48 HOURS (TWO WORKING DAYS) IN ADVANCE OF A TAP CONNECTION TO AN EXISTING MAIN. THE INSPECTOR SHALL BE PRESENT AT THE TIME OF THE TAP.
3. ALL SEWER MAINS SHALL BE FIELD STAKED FOR GRADES AND ALIGNMENT BY A LICENSED ENGINEERING OR SURVEYING FIRM QUALIFIED TO PERFORM SUCH WORK. STAKING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
4. WHEN TEMPORARY STREET PATCHES ARE ALLOWED BY THE CITY, COLD MIX ASPHALT SHALL BE PLACED AND COMPACTED TO A MAXIMUM DEPTH OF 2 INCHES. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AS REQUIRED BY THE CITY.
5. AFTER BACKFILLING, BUT PRIOR TO PAVING, ALL MAINS AND APPURTENANCES SHALL BE INSPECTED AND APPROVED BY THE CITY OF OLYMPIA CONSTRUCTION INSPECTOR. APPROVAL DOES NOT CONSTITUTE FINAL ACCEPTANCE OF THE SEWER LINE. THE CONTRACTOR SHALL RETAIN THE RESPONSIBILITY TO REPAIR ALL DEFICIENCIES AND FAILURES REVEALED DURING ALL REQUIRED TESTING FOR ACCEPTANCE AND THROUGH THE DURATION OF THE WARRANTY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CITY OF OLYMPIA FOR THE REQUIRED INSPECTIONS. ANY MAIN OR APPURTENANCE BACKFILLED PRIOR TO INSPECTION SHALL BE RE-EXCAVATED FOR INSPECTION.
6. ALL LINES WILL BE HIGH-VELOCITY CLEANED AND SUBJECTED TO A LOW-PRESSURE AIR TEST PURSUANT TO CURRENT WSDOT/APWA SPECIFICATIONS AFTER BACKFILLING, BUT PRIOR TO PAVING (SEE GENERAL NOTE 1). HYDRANT FLUSHING OF LINES IS NOT AN ACCEPTABLE CLEANING METHOD.
7. TESTING OF THE SANITARY SEWER MAIN WILL INCLUDE TELEVISION INSPECTION AT THE CONTRACTOR'S EXPENSE. ADDITIONAL TELEVISION THAT IS DEEMED NECESSARY WILL ALSO BE AT THE CONTRACTOR'S EXPENSE. ALL TELEVISION INSPECTIONS SHALL BE COMPLETED IN THE MANNER REQUIRED BY THE PACP. IMMEDIATELY PRIOR TO TELEVISION INSPECTION, ENOUGH WATER WILL BE RUN DOWN THE LINE SO IT COMES OUT THE LOWER MANHOLE AND THE LINE IS FLUSHED CLEAN. ACCEPTANCE OF THE LINE WILL BE MADE AFTER THE TELEVISION INSPECTION TAPE HAS BEEN REVIEWED AND APPROVED BY THE INSPECTOR.
8. A TEST OF ALL MANHOLES IN ACCORDANCE WITH OLYMPIA STANDARD IS ALSO REQUIRED. TESTING WILL TAKE PLACE AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED AND COMPACTION OF THE ROADWAY SUBGRADE IS COMPLETED.



**SKILLINGS
CONNOLLY**

5016 Lacey Boulevard SE, Lacey, WA 98503
Ph.: (360) 491-3399 www.skillings.com