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RED ROAD
GIS BNDY

CITY OF MEDINA

2016 STORM DRAINAGE IMPROVEMENTS

MIDLAND ROAD

June 2016

otak
HanmiGlobal Partner
11241 Willows Road NE
Suite 200
Redmond, Washington 98052
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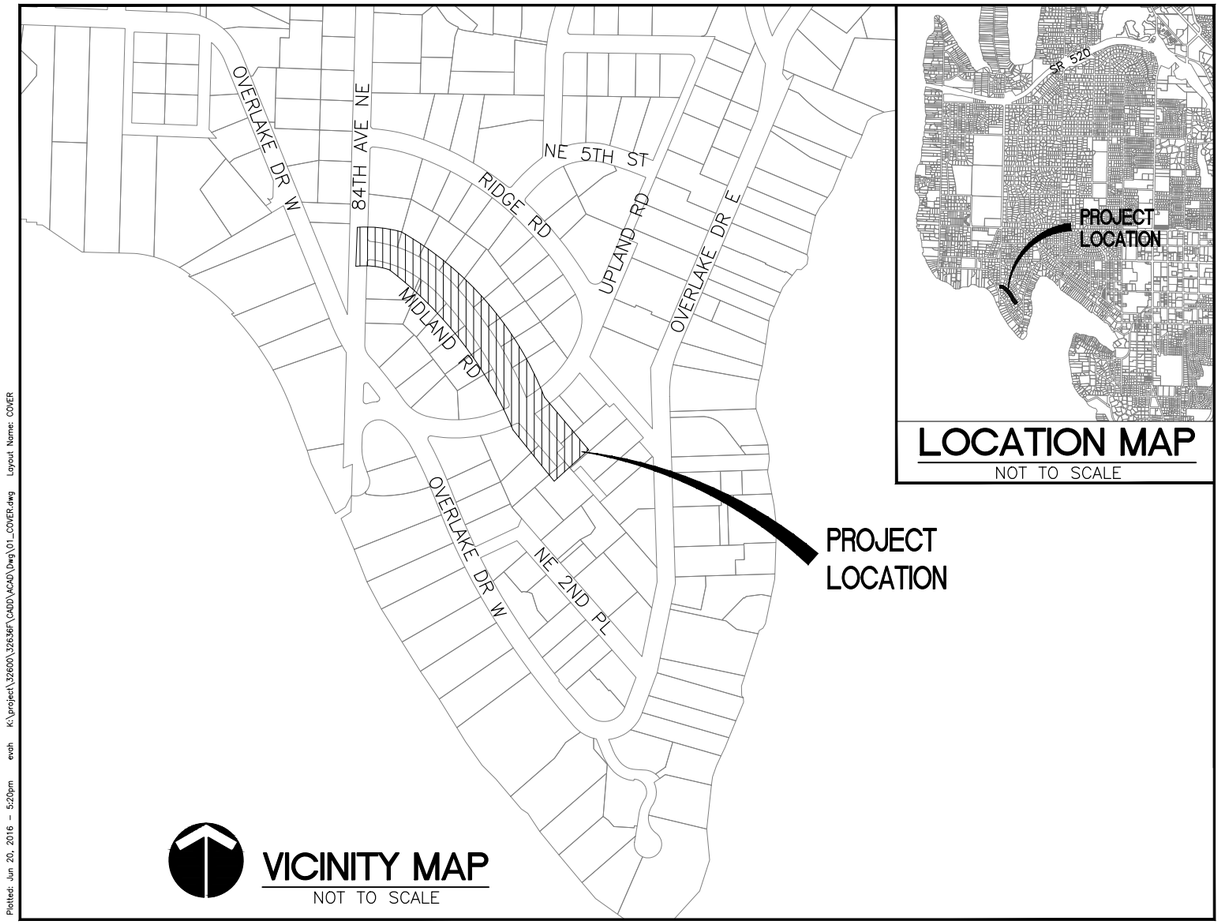
www.otak.com



VICINITY MAP
NOT TO SCALE

LOCATION MAP
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SHEET INDEX

DRAWING NO.	DESCRIPTION
1.01	COVER
1.02	LEGEND, ABBREVIATIONS, AND GENERAL NOTES
1.03	HORIZONTAL ALIGNMENT AND SURVEY CONTROL PLAN
1.04	TESC AND DEMOLITION PLAN
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1.09	DETAILS

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SYMBOL LEGEND

EXISTING	PROPOSED	DESCRIPTION
		COMMUNICATION RISER
		COMMUNICATION MANHOLE
		COMMUNICATION VAULT
		ELECTRICAL METER
		ELECTRICAL HANDHOLD
		POWER MANHOLE
		POWER VAULT
		POWER TRANSFORMER
		GAS VALVE
		GAS METER
		GAS VAULT
		SEWER MANHOLE
		CLEANOUT
		CATCH BASIN (TYPE 1)
		CATCH BASIN (TYPE 2)
		STORM DRAIN MANHOLE
		SUBSURFACE JUNCTION BOX
		SURFACE JUNCTION BOX
		PEDESTRIAN POLE
		TRAFFIC POLE
		TRAFFIC SIGNAL HEAD
		TRAFFIC SIGNAL CABINET
		LIGHT POLE ORNAMENTAL
		LUMINAIRE HEAD
		STREET LIGHT OR UTILITY POLE W/ LIGHT
		UTILITY POLE
		GUY ANCHOR
		WATER METER
		WATER VALVE
		WATER MANHOLE
		WATER VAULT
		FIRE HYDRANT
		FIRE DEPARTMENT CONNECTION
		POST INDICATOR VALVE
		IRRIGATION BOX
		BOLLARD
		MAIL BOX
		SIGN
		TESTPIT
		MONITORING WELL
		SURVEY CONTROL POINT
		SURVEY MONUMENT
XXXXX		PROPERTY ADDRESS OR PARCEL NUMBER
		CONIFEROUS TREE
		DECIDUOUS TREE
		STUMP
	X	TREE REMOVAL
		STORM INLET PROTECTION

LINE AND HATCHING LEGEND

EXISTING	PROPOSED	DESCRIPTION
		RIGHT OF WAY CENTERLINE
		RIGHT OF WAY MARGIN
		PROPERTY LINE
		CITY BOUNDARY
X		CHAIN LINK FENCE
		WOOD FENCE
W		WATER LINE
SS		SEWER LINE (<12")
		SEWER LINE (>12")
SD		STORM DRAIN LINE (<12")
		STORM DRAIN LINE (>12")
P		POWER LINE
OHL		AERIAL LINE
G		GAS LINE
FO		FIBER OPTIC LINE
COM		COMMUNICATION LINE
		RAILING (GUARD/HAND)
		DRIVEWAY CUTS / HC RAMPS
		UNDERGROUND UTILITY STRUCTURES
		EDGE OF GRAVEL / DIRT
		INTERMEDIATE CONTOUR
100		INDEX CONTOUR
		EDGE OF WETLAND
		EDGE OF WATER
		DITCH/STREAM CENTERLINE
		MODULAR BLOCK WALL
		ROCK WALL
		SAWCUT LINE
		WATTLE
		UTILITY REMOVAL
		PAVEMENT REMOVAL AREA
		HMA PAVEMENT OVERLAY
		FULL DEPTH ASPHALT CONC. PAVEMENT
		CONCRETE DRIVEWAY
		LANDSCAPE RESTORATION

SEE APPLICABLE DISCIPLINE FOR ADDITIONAL LEGEND

ABBREVIATIONS

ABBREVIATION	NAME OR PHRASE
AP	ANGLE POINT
APPROX.	APPROXIMATE
ASSY	ASSEMBLY
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BK.	BACK
BLDG	BUILDING
BOF	BOTTOM OF FOOTING
BOW	BOTTOM OF WALL
BRG	BEARING
BVCS	BEGIN VERTICAL CURVE ELEVATION
BVCE	BEGIN VERTICAL CURVE STATION
CB	CATCH BASIN
C.G.	CENTER OF GRAVITY
C.I.P	CAST IN PLACE
CL	CENTERLINE
CLR.	CLEARANCE
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCTION
CONT.	CONTINUE OR CONTINUOUS
CPP	CORRUGATED PLASTIC PIPE
CPEP	CORRUGATED POLYETHYLENE PIPE
CSBC	CRUSHED SURFACING BASE COURSE
CSTC	CRUSHED SURFACING TOP COURSE
CTRL	CONTROL
DI	DUCTILE IRON
DIAM.	DIAMETER
DWG	DRAWING
DWY	DRIVEWAY
E	EAST
EA	EACH
ELEV. OR EL.	ELEVATION
EMBED.	EMBEDMENT
ESMT	EASEMENT
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EXIST.	EXISTING
EXP.	EXPANSION
FD	FOUND
FG	FINISH GRADE
FIG.	FIGURE
FL	FLOW LINE (ELEVATION) OR FLANGE
FOC	FACE OF CURB
FT	FOOT OR FEET
FTG.	FOOTING
GALV.	GALVANIZED
G.E. OR GR EL	GRATE ELEVATION
GIR.	GIRDER
GRVL	GRAVEL
HDPE	HIGH DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
HORZ.	HORIZONTAL
HP	HIGH PRESSURE OR HIGH POINT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
JT.	JOINT
LBS.	POUNDS
LF	LINEAR FEET
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
MAX.	MAXIMUM
MH	MANHOLE
MHW	MEAN HIGH WATER
MHHW	MEAN HIGH HIGH WATER
MIC	MONUMENT IN CASE
MIN.	MINIMUM
N	NORTH
NE	NORTHEAST
NO.	NUMBER
NW	NORTHWEST
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
PAV'T	PAVEMENT
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
P.E.	PLAIN END OR POLYETHYLENE
PI	POINT OF INTERSECTION
PP	POLYPROPYLENE
P	PROPERTY OR PLATE
PRC	POINT OF REVERSE CURVE
PROP.	PROPOSED
PSI	POUND PER SQUARE INCH
PT	POINT OF TANGENCY OR POINT
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
RCC II	REDMOND CENTRAL CONNECTOR PHASE II
REF.	REFERENCE
REINF.	REINFORCED
RGS	RIGID GALVANIZED STEEL
RJ	RESTRAINED JOINT
RT	RIGHT
R/W	RIGHT-OF-WAY
S	SOUTH
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SE	SOUTHEAST
SHT	SHEET
SPA.	SPACE OR SPACING
SPEC.	SPECIFICATIONS
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STA.	STATION
STD	STANDARD
STIRR.	STIRRUPS
SW	SOUTHWEST
SYMM.	SYMMETRICAL
TEL	TELEPHONE
TEMP.	TEMPORARY
TESC	TEMP. EROSION & SEDIMENT CONTROL
TOC	TOP OF CURB
TOW	TOP OF WALL
TYP.	TYPICAL
VERT.	VERTICAL
W	WEST
W/	WITH
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
WS	WATER SURFACE

GENERAL NOTES

1. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, OR LOCAL LAWS, ORDINANCES, AND REGULATIONS THAT AFFECT WORK UNDER THE CONTRACT. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.
2. AN APPROVED SET OF CONSTRUCTION PLANS AND SPECIFICATIONS FOR ALL WORK SHALL BE KEPT ON THE CONSTRUCTION SITE AT ALL TIMES. IN ADDITION, A COPY OF THE CURRENT WSDOT STANDARD PLANS AND SPECIFICATIONS SHALL ALSO BE AVAILABLE AT THE CONSTRUCTION SITE.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING DATA SHOWN IN THESE DOCUMENTS AND NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS WITH PROPOSED FEATURES PRIOR TO CONSTRUCTION.
4. KEEP OFF-SITE STREETS CLEAN AT ALL TIMES. FLUSHING STREETS SHALL NOT BE ALLOWED. STREETS SHALL BE SWEPT.
5. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE CITY INSPECTOR DEPENDING ON SITE AND WEATHER CONDITIONS OR WHEN WORK IS STOPPED OR COMPLETED IN AN AREA.
6. ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE AND APPROVED BY THE CITY.

CALL BEFORE YOU DIG
1-800-424-5555

NO.	DATE	BY	Checked Approval	REVISIONS

TOUFIK J. PHENGSAVATH
STATE OF WASHINGTON
58374
Registered
PROFESSIONAL ENGINEER
06/20/16

CITY OF MEDINA
2016 STORM DRAINAGE IMPROVEMENTS – MIDLAND ROAD
LEGEND, ABBREVIATIONS, AND GENERAL NOTES

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1.02
Drawing No.
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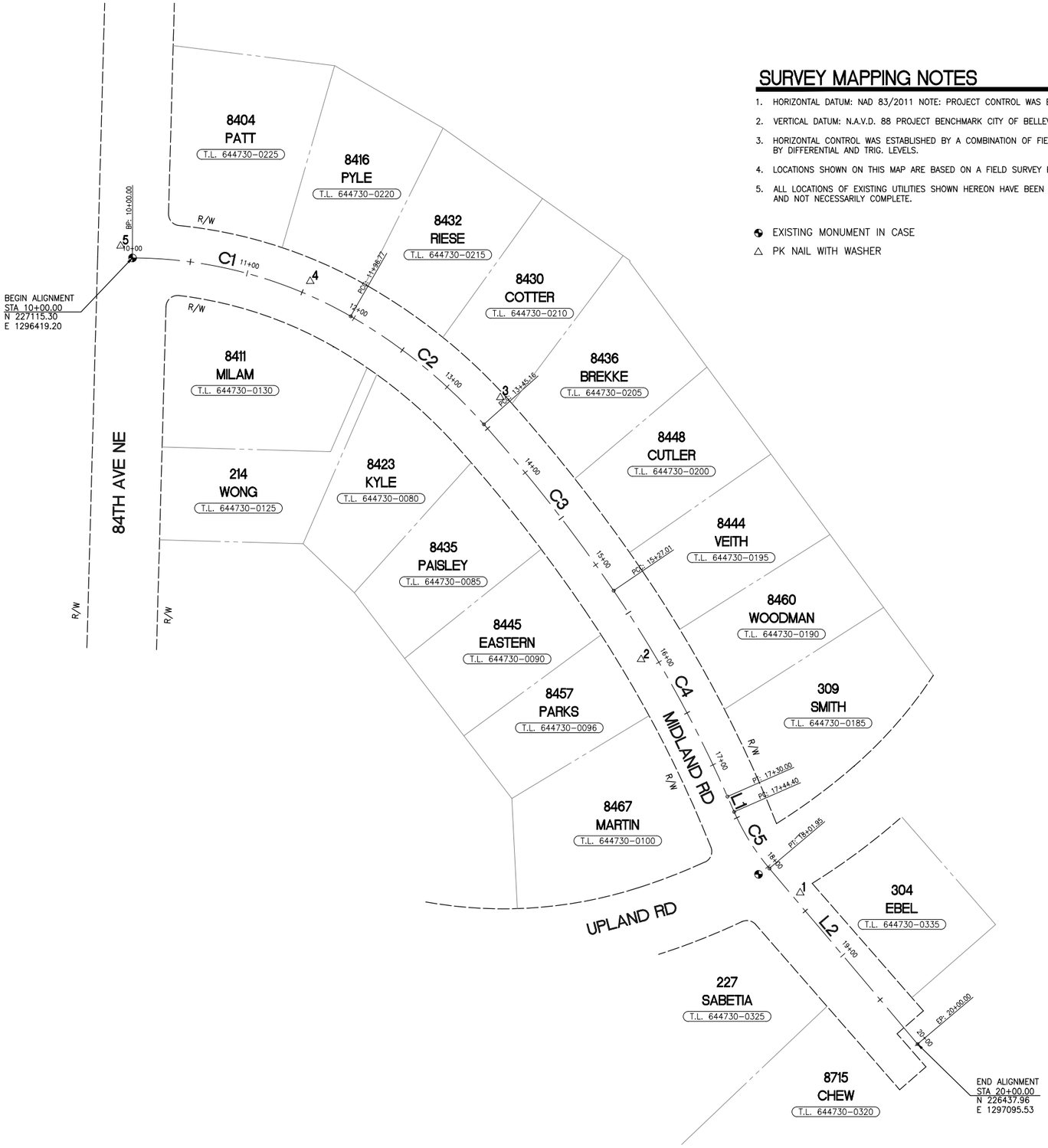

SURVEY MAPPING NOTES

1. HORIZONTAL DATUM: NAD 83/2011 NOTE: PROJECT CONTROL WAS ESTABLISHED BY CONSTRAINING TO SPC COORDINATES, AT CITY OF BELLEVUE SURVEY CONTROL POINTS 2241 & 3085.
2. VERTICAL DATUM: N.A.V.D. 88 PROJECT BENCHMARK CITY OF BELLEVUE SURVEY CONTROL POINT No. V408 ELEV. = 74.00
3. HORIZONTAL CONTROL WAS ESTABLISHED BY A COMBINATION OF FIELD TRAVERSE AND RTK GPS WITH AN ACCURACY THAT MEETS OR EXCEEDS WAC 332-130-090. VERTICAL CONTROL WAS ESTABLISHED BY DIFFERENTIAL AND TRIG. LEVELS.
4. LOCATIONS SHOWN ON THIS MAP ARE BASED ON A FIELD SURVEY BY OTAK INC IN MARCH, 2016.
5. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE.

EXISTING MONUMENT IN CASE

△ PK NAIL WITH WASHER

SURVEY CONTROL

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	226568.28	1296994.35	116.76	REBAR AND CAP
2	226769.31	1296857.33	118.34	PK NAIL W/ WASHER
3	226994.97	1296736.04	114.23	PK NAIL W/ WASHER
4	227095.16	1296572.25	107.39	PK NAIL W/ WASHER
5	227125.61	1296408.96	90.69	PK NAIL W/ WASHER

MIDLAND RD CONSTRUCTION CENTERLINE

NUMBER	STATION	LENGTH	RADIUS	BEARING	DELTA
C1	10+00.00	196.77'	380.00'	S75°01'03"E	29°40'07"
C2	11+96.77	148.39'	460.00'	S50°56'30"E	18°28'58"
C3	13+45.16	181.85'	1390.00'	S37°57'09"E	7°29'45"
C4	15+27.01	202.99'	1103.00'	S28°55'56"E	10°32'41"
L1	17+30.00	14.40'		S23°39'35"E	
C5	17+44.40	57.55'	199.86'	S31°54'33"E	16°29'56"
L2	18+01.95	198.05'		S40°09'31"E	

NOTE:
1. CONSTRUCTION CENTERLINE AND RIGHT-OF-WAY CENTERLINE ARE NOT THE SAME.

50' 0' 50' 100'
HORZ
SCALE IN FEET

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CITY OF MEDINA
2016 STORM DRAINAGE IMPROVEMENTS – MIDLAND ROAD
HORIZONTAL ALIGNMENT AND SURVEY CONTROL PLAN

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1.03
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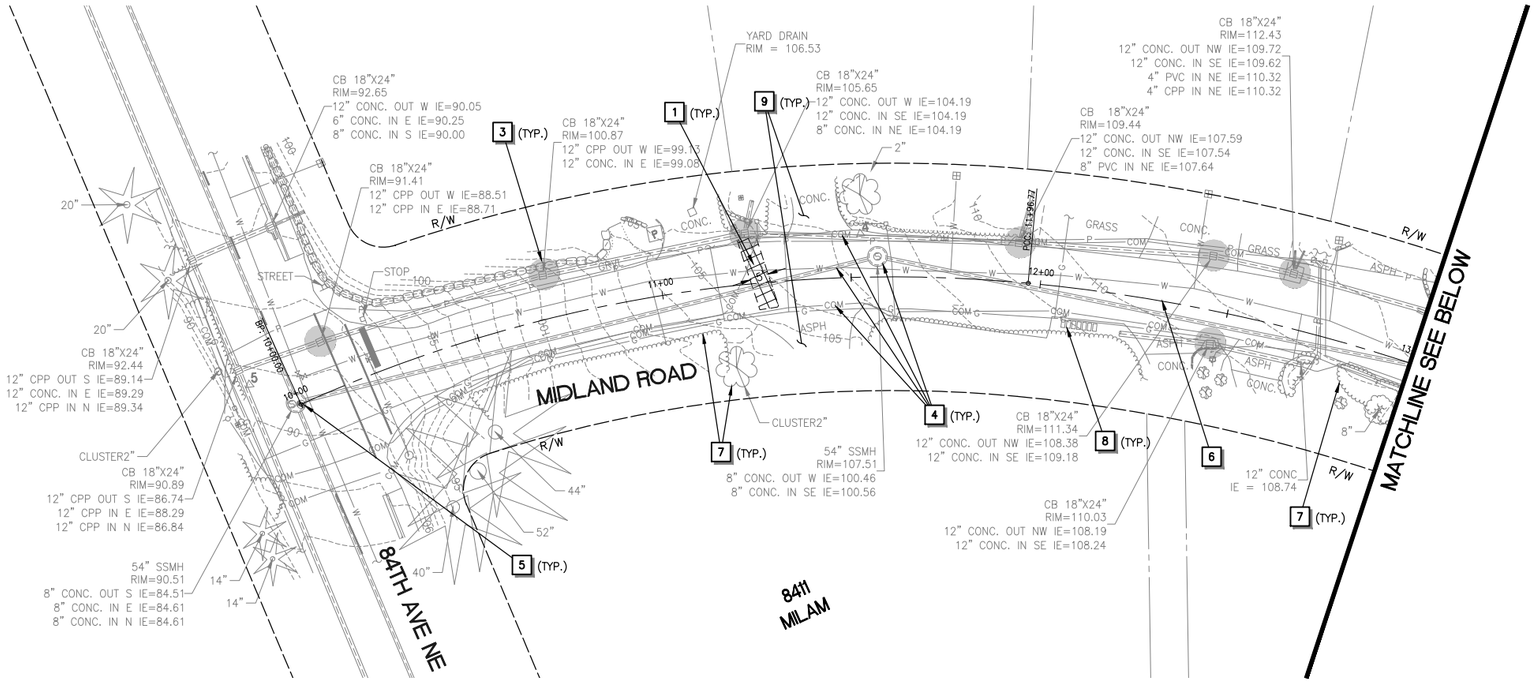

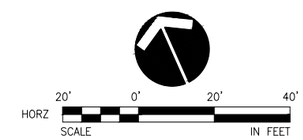

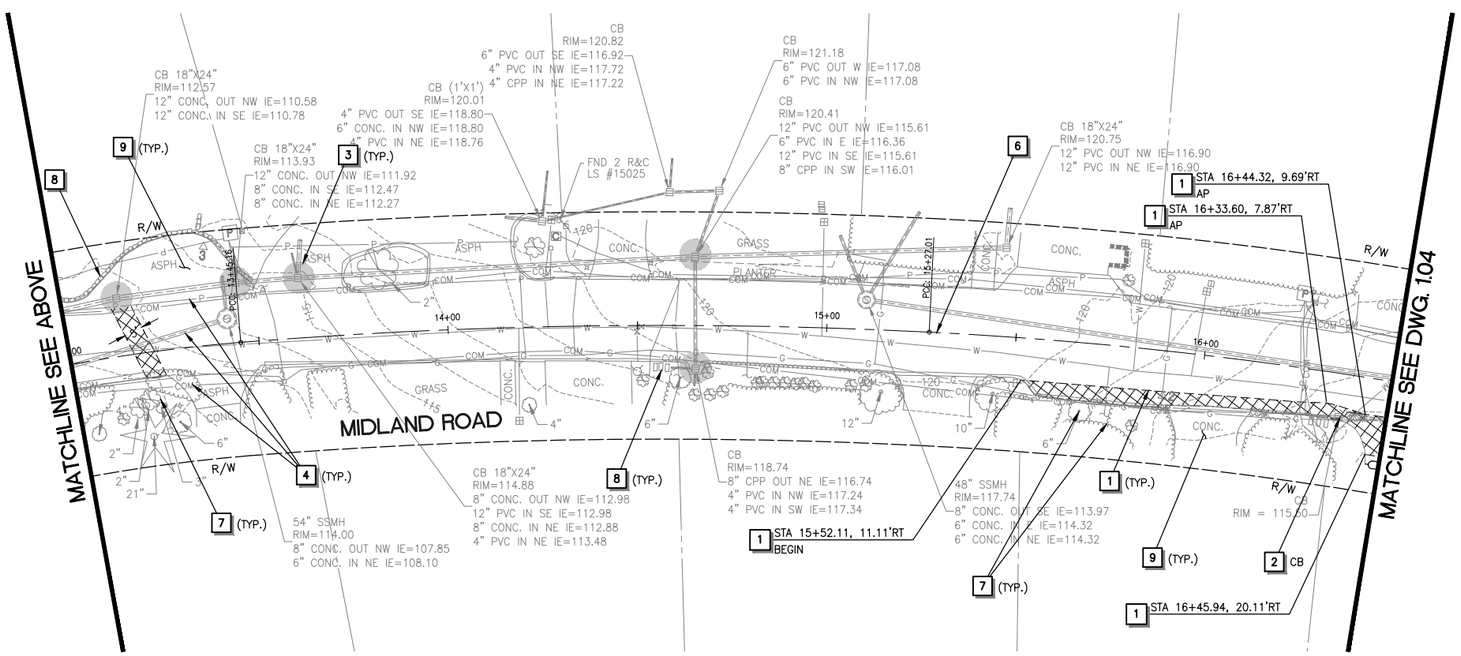

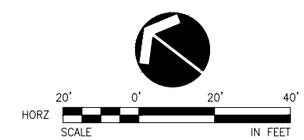

TESC AND DEMOLITION NOTES

1. SAWCUT AND REMOVE EXISTING PAVEMENT, LIMITS PER PLAN.
2. REMOVE EXISTING STORM DRAINAGE, LIMITS PER PLAN.
3. INSTALL STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00.
4. EXISTING UTILITY TO REMAIN, PROTECT DURING CONSTRUCTION.
5. PROTECT EXISTING MONUMENT OR SURVEY BENCHMARKS DURING CONSTRUCTION.
6. CONSTRUCTION CENTERLINE, SEE SHEET 1.03 FOR DETAILS.
7. EXISTING TREE(S) AND SHRUB(S) TO REMAIN, PROTECT DURING CONSTRUCTION.
8. EXISTING LANDSCAPE FEATURES OR STRUCTURE TO REMAIN, PROTECT DURING CONSTRUCTION.
9. EXISTING DRIVEWAY PAVEMENT TO REMAIN, PROTECT DURING CONSTRUCTION. ACCESS SHALL BE MAINTAINED AT ALL TIMES.
10. REMOVE EXISTING TREE(S)/SHRUB(S) AS NECESSARY TO ACCOMMODATE NEW IMPROVEMENTS.
11. INSTALL WATTLE PER WSDOT STD PLAN I-30.30-01.
12. REMOVE EXISTING FENCE.

GENERAL TESC NOTES

1. CATCH BASIN INLET PROTECTION SHALL BE PROVIDED AND MAINTAINED AT ALL EXISTING AND PROPOSED CATCH BASIN PRIOR TO AND FOR THE DURATION OF CONSTRUCTION OPERATIONS. PROTECTION MEASURES FOR PROPOSED CATCH BASINS ARE NOT SHOWN ON TESC PLAN FOR CLARIFICATION.
2. LOCATION OF TESC MEASURES SHOWN ARE APPROXIMATE AND SHALL BE FIELD LOCATED TO ACCOMMODATE SITE CONDITIONS AND WORK SCHEDULE.
3. CONTRACTOR SHALL INSTALL HIGH VISIBILITY FENCE PER WSDOT STD PLAN I-10.10-01 AS DIRECTED BY CITY INSPECTOR.
4. THE CONTRACTOR SHALL NOT REMOVE ANY TREES WITHIN THE WORKING LIMITS OF THE PROJECT NOT IDENTIFIED FOR REMOVAL WITHOUT APPROVAL FROM THE ENGINEER.

LEGEND

- REMOVAL AREA
- INLET PROTECTION
- SAWCUT LINE
- WATTLE

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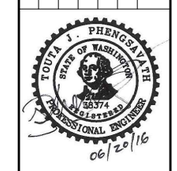

CITY OF MEDINA
2016 STORM DRAINAGE IMPROVEMENTS – MIDLAND ROAD
TESC AND DEMOLITION PLAN

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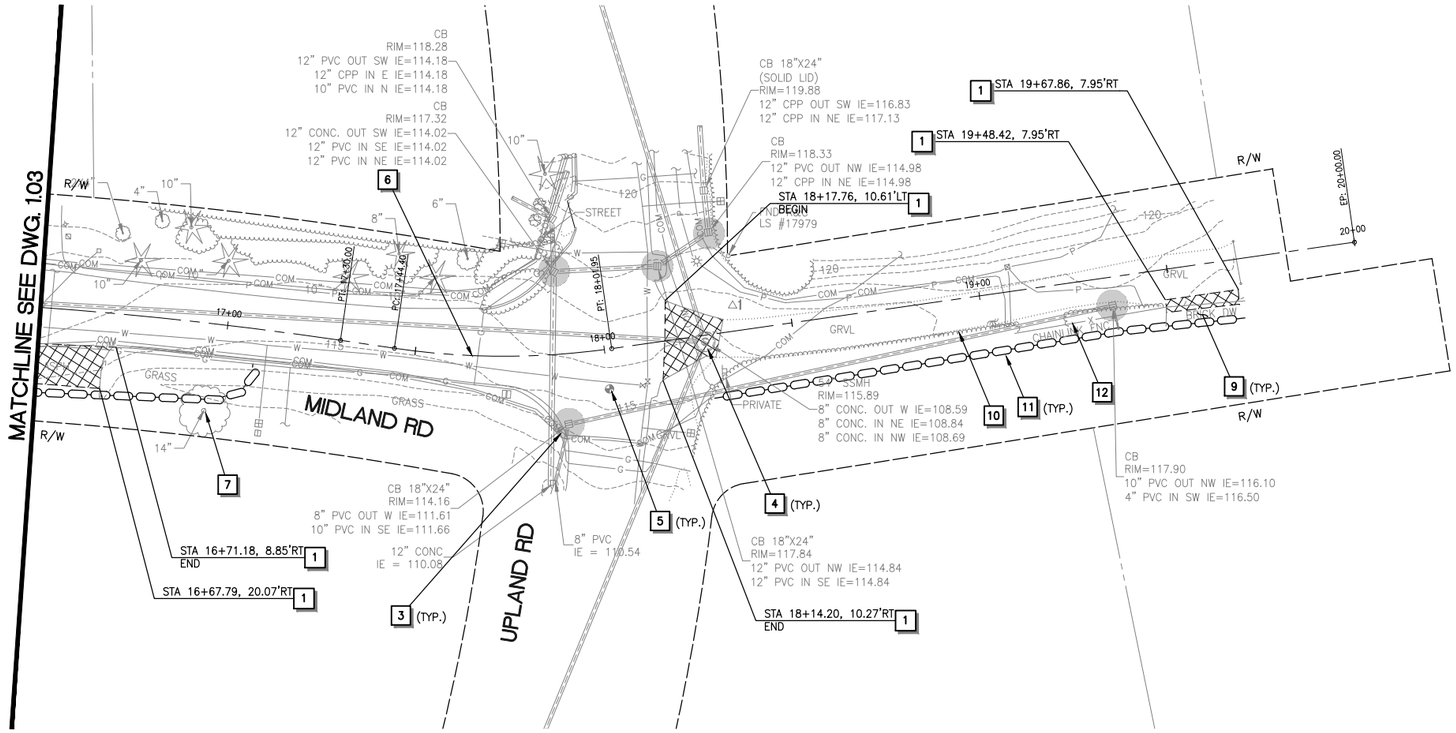

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LEGEND

- REMOVAL AREA
- INLET PROTECTION
- SAWCUT LINE
- WATTLE

HORZ SCALE 20' 0' 20' 40' IN FEET

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CITY OF MEDINA
2016 STORM DRAINAGE IMPROVEMENTS – MIDLAND ROAD
TESC AND DEMOLITION PLAN

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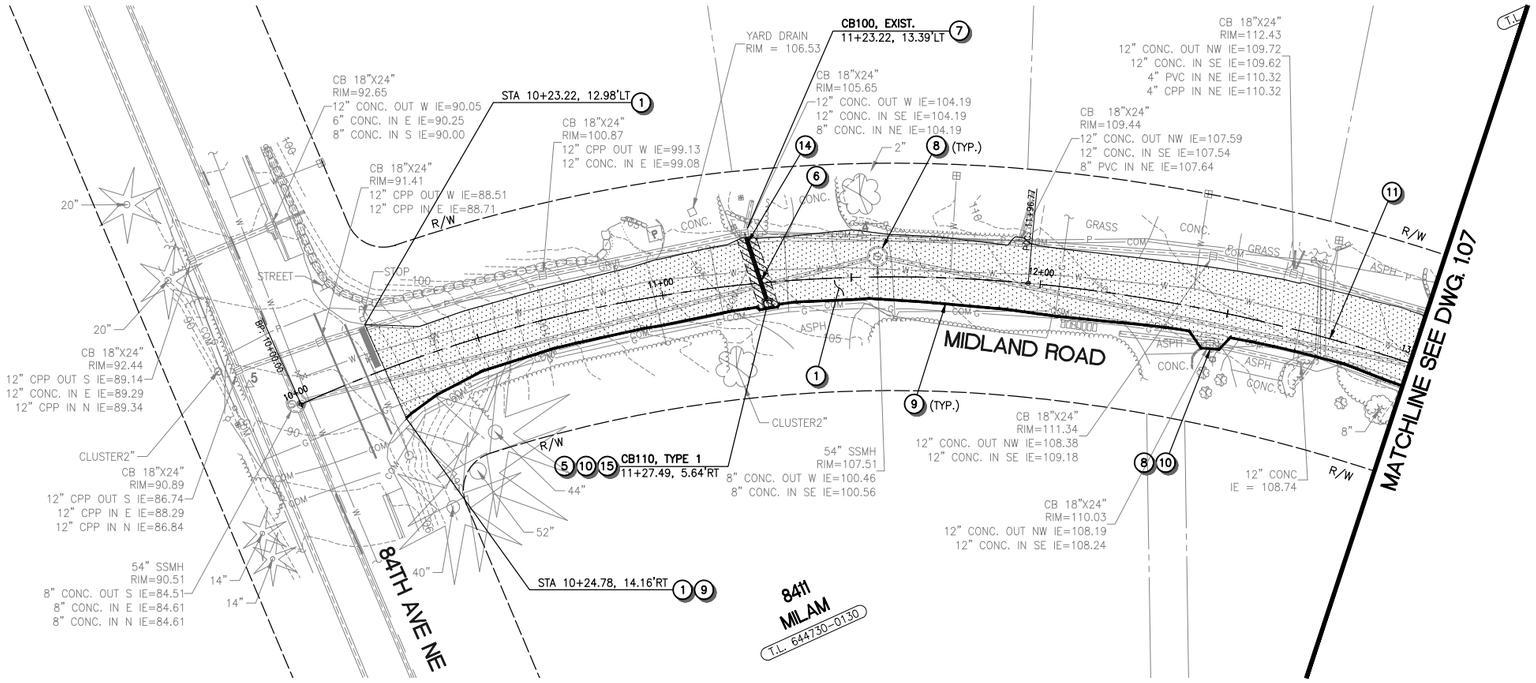

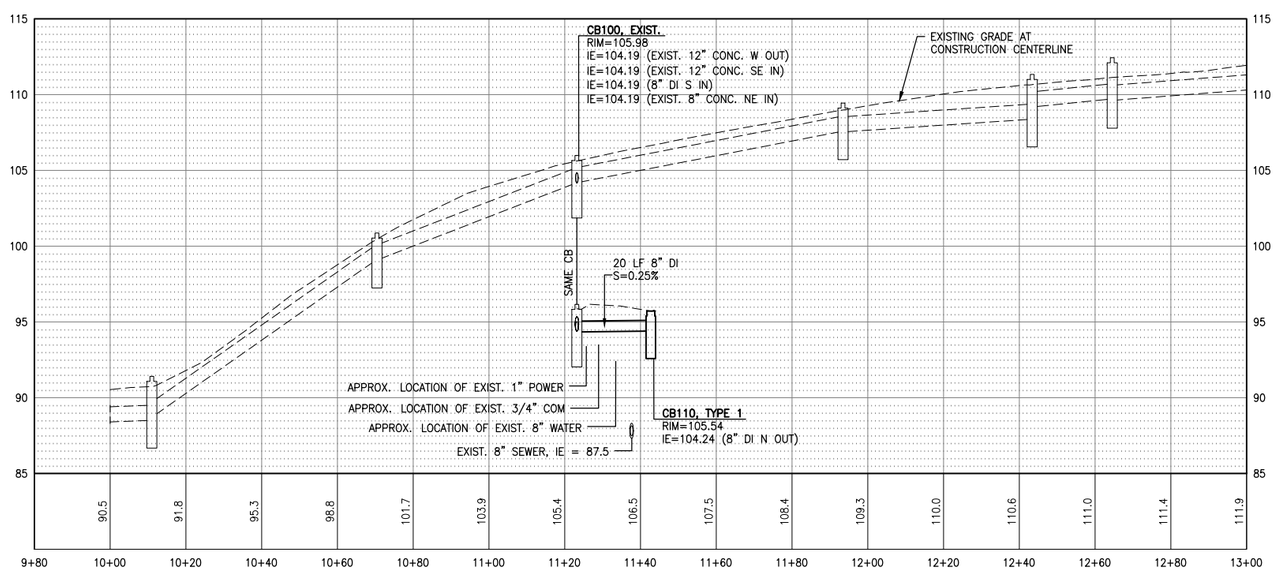

CONSTRUCTION NOTES

1. GRIND AND OVERLAY ROADWAY, LIMITS PER PLAN. SEE SHEET 1.09 FOR DETAILS.
2. REPLACE EXISTING GRAVEL ROAD WITH FULL DEPTH ASPHALT CONCRETE PAVEMENT, LIMITS PER PLAN. SEE SHEET 1.09 FOR PAVEMENT SECTION.
3. RESTORE LANDSCAPE AREA PER DETAIL ON SHEET 1.09.
4. PROPERTY OWNER TO RESTORE CONCRETE DRIVEWAY.
5. INSTALL NEW STORM DRAINAGE STRUCTURE. SIZE AND TYPE PER PLAN.
6. INSTALL NEW STORM DRAINAGE PIPE. LENGTH, TYPE, AND SLOPE PER PLAN. SEE SHEET 1.09 FOR TRENCH RESTORATION.
7. CONNECT TO EXISTING STORM DRAINAGE SYSTEM.
8. ADJUST EXISTING CATCH BASIN OR MANHOLE TO FINISHED GRADE.
9. INSTALL RAINSTOP PER DETAIL ON SHEET 1.09.
10. INSTALL CATCH BASIN APRON PER DETAIL ON SHEET 1.09.
11. CONSTRUCTION CENTERLINE, SEE SHEET 1.03 FOR DETAILS.
12. RELOCATE EXISTING MAILBOX(S) AS SHOWN.
13. INSTALL GRAVITY BLOCK WALL PER DETAIL ON SHEET 1.09.
14. INSTALL DENSE PAD (DOW ETHAFOAM 220 OR APPROVED EQUAL) IF PIPE VERTICAL CLEARANCE IS LESS THAN 12".
15. POTHOLE EXISTING UTILITY PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF CONFLICTS EXIST.
16. REPLACE EXISTING DISTURBED VEGETATION IN KIND.
17. REPLACE CHAINLINK FENCE.
18. RECONSTRUCT ASPHALT CONCRETE DRIVEWAY TO LIMIT SHOWN.

LEGEND

- HMA PAVEMENT OVERLAY
- FULL DEPTH ASPHALT CONCRETE PAVEMENT
- CONCRETE DRIVEWAY
- LANDSCAPE RESTORATION AREA
- RAINSTOP
- BLOCK WALL

HORZ SCALE 20' 0' 20' 40' IN FEET
VERT SCALE 5' 0' 5' 10' IN FEET

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CITY OF MEDINA
2016 STORM DRAINAGE IMPROVEMENTS – MIDLAND ROAD

ROADWAY AND DRAINAGE PLAN AND PROFILE

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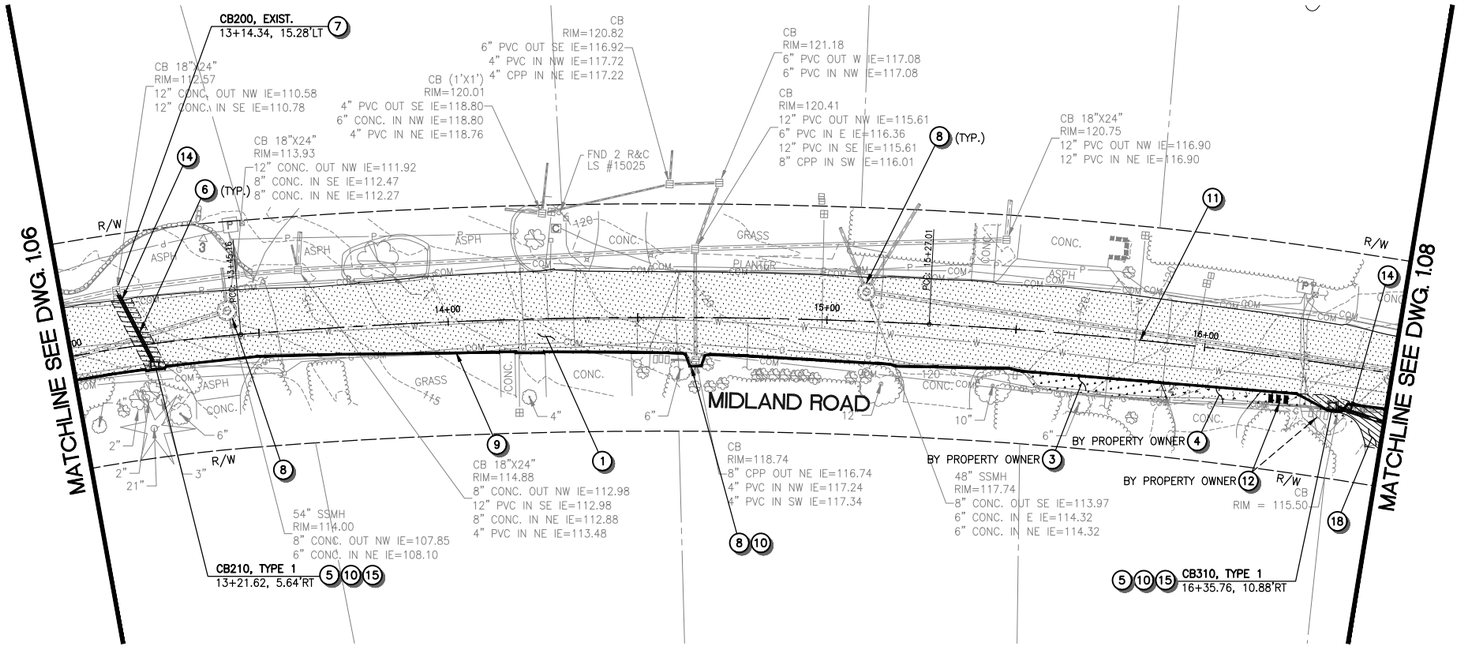

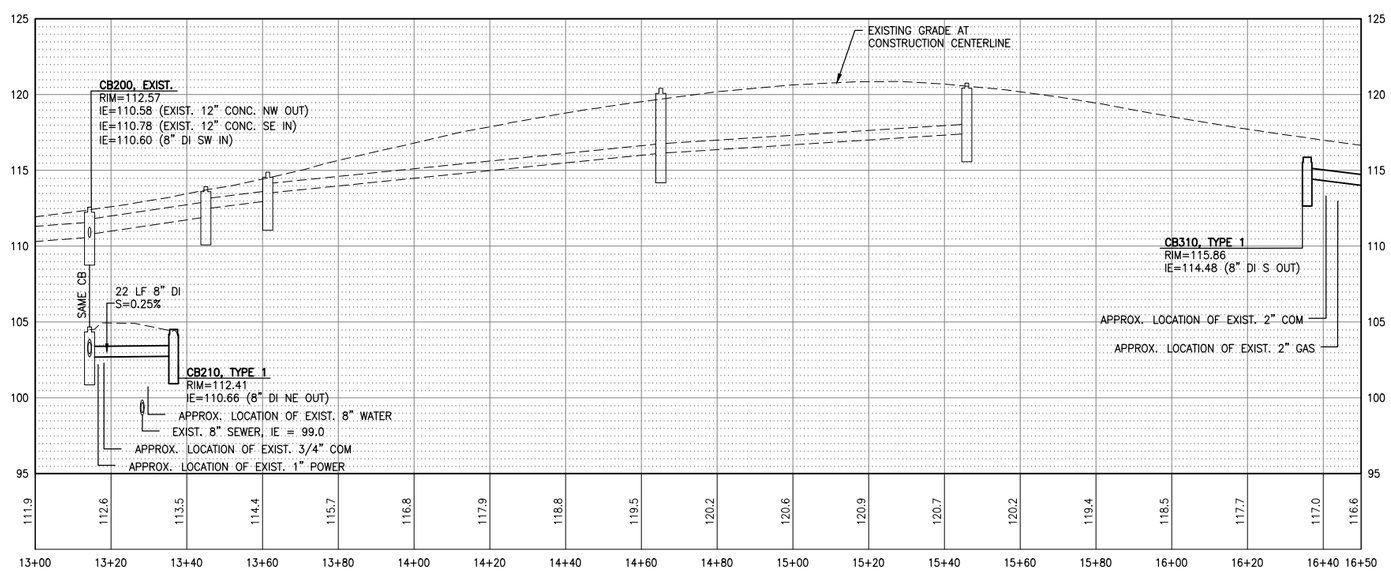

CONSTRUCTION NOTES

1. GRIND AND OVERLAY ROADWAY, LIMITS PER PLAN. SEE SHEET 1.09 FOR DETAILS.
2. REPLACE EXISTING GRAVEL ROAD WITH FULL DEPTH ASPHALT CONCRETE PAVEMENT, LIMITS PER PLAN. SEE SHEET 1.09 FOR PAVEMENT SECTION.
3. RESTORE LANDSCAPE AREA PER DETAIL ON SHEET 1.09.
4. PROPERTY OWNER TO RESTORE CONCRETE DRIVEWAY.
5. INSTALL NEW STORM DRAINAGE STRUCTURE. SIZE AND TYPE PER PLAN.
6. INSTALL NEW STORM DRAINAGE PIPE. LENGTH, TYPE, AND SLOPE PER PLAN. SEE SHEET 1.09 FOR TRENCH RESTORATION.
7. CONNECT TO EXISTING STORM DRAINAGE SYSTEM.
8. ADJUST EXISTING CATCH BASIN OR MANHOLE TO FINISHED GRADE.
9. INSTALL RAINSTOP PER DETAIL ON SHEET 1.09.
10. INSTALL CATCH BASIN APRON PER DETAIL ON SHEET 1.09.
11. CONSTRUCTION CENTERLINE, SEE SHEET 1.03 FOR DETAILS.
12. RELOCATE EXISTING MAILBOX(S) AS SHOWN.
13. INSTALL GRAVITY BLOCK WALL PER DETAIL ON SHEET 1.09.
14. INSTALL DENSE PAD (DOW ETHAFOAM 220 OR APPROVED EQUAL) IF PIPE VERTICAL CLEARANCE IS LESS THAN 12".
15. POTHOLE EXISTING UTILITY PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF CONFLICTS EXIST.
16. REPLACE EXISTING DISTURBED VEGETATION IN KIND.
17. REPLACE CHAINLINK FENCE.
18. RECONSTRUCT ASPHALT CONCRETE DRIVEWAY TO LIMIT SHOWN.

LEGEND

- HMA PAVEMENT OVERLAY
- FULL DEPTH ASPHALT CONCRETE PAVEMENT
- CONCRETE DRIVEWAY
- LANDSCAPE RESTORATION AREA
- RAINSTOP
- BLOCK WALL

HORZ SCALE 20' 0' 20' 40' IN FEET
VERT SCALE 5' 0' 5' 10' IN FEET

CALL BEFORE YOU DIG
1-800-424-5555

NO.	DATE	BY	Checked	REVISIONS
			Approval	

TOUTA J. PHENGSAVATH
STATE OF WASHINGTON
38374
Registered
PROFESSIONAL ENGINEER
06/20/16

CITY OF MEDINA
2016 STORM DRAINAGE IMPROVEMENTS – MIDLAND ROAD
ROADWAY AND DRAINAGE PLAN AND PROFILE

otak
HanmiGlobal Partner

Project No. 32636F
Drawing No. 1.07
Sheet 7 of 9

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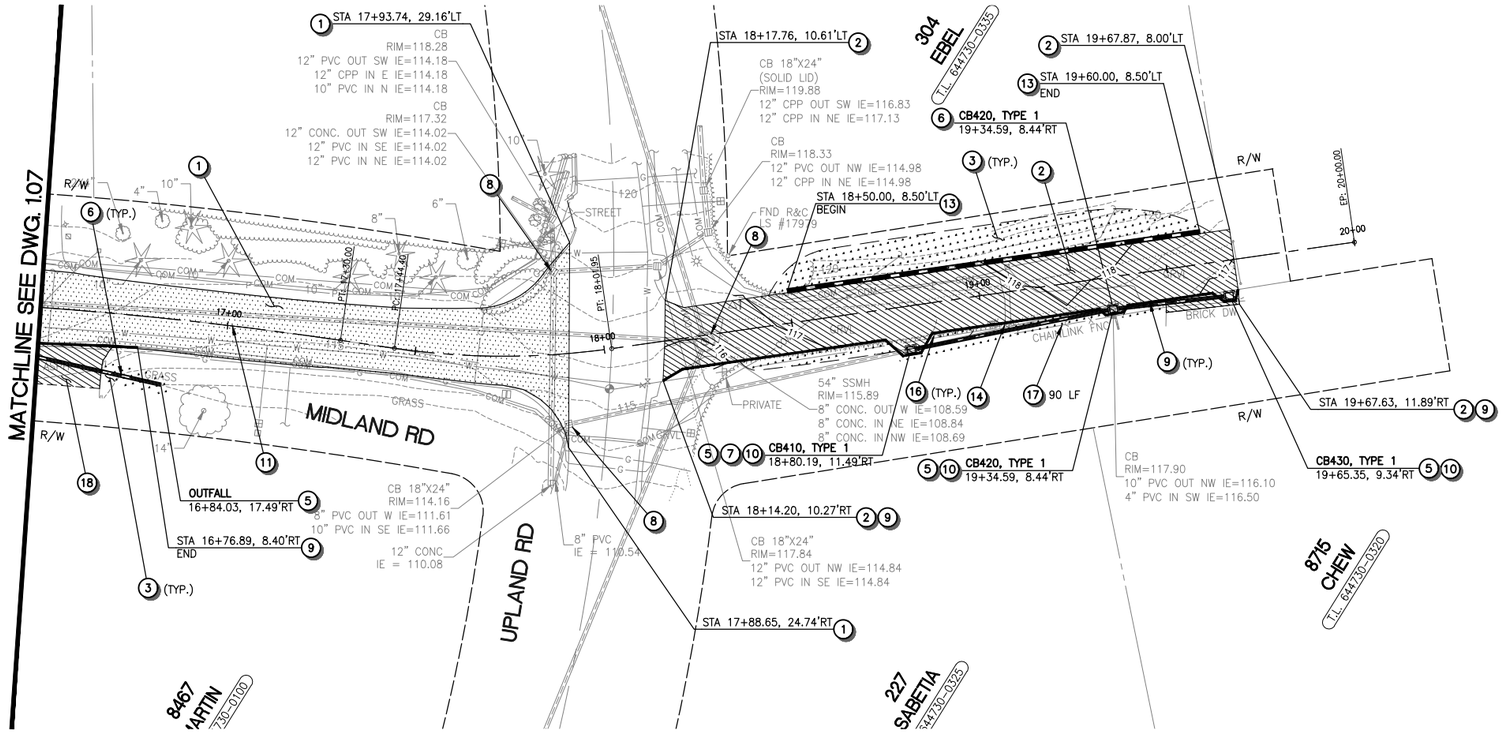

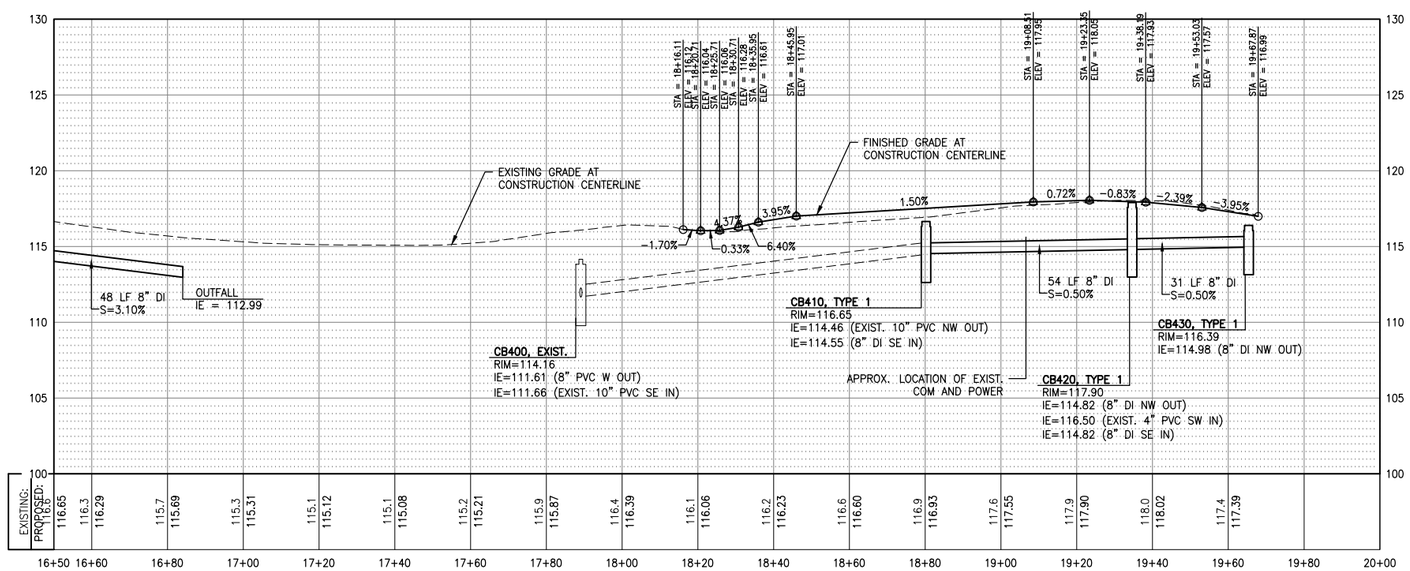

CONSTRUCTION NOTES

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4. PROPERTY OWNER TO RESTORE CONCRETE DRIVEWAY.
5. INSTALL NEW STORM DRAINAGE STRUCTURE. SIZE AND TYPE PER PLAN.
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LEGEND

- HMA PAVEMENT OVERLAY
- FULL DEPTH ASPHALT CONCRETE PAVEMENT
- CONCRETE DRIVEWAY
- LANDSCAPE RESTORATION AREA
- RAINSTOP
- BLOCK WALL

HORZ SCALE 20' 0' 20' 40' IN FEET
VERT SCALE 5' 0' 5' 10' IN FEET

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NO.	DATE	BY	Checked Approval	REVISIONS

TOUFIK J. PHENGSAVATH
STATE OF WASHINGTON
58374
REGISTERED PROFESSIONAL ENGINEER
06/20/16

CITY OF MEDINA
2016 STORM DRAINAGE IMPROVEMENTS – MIDLAND ROAD
ROADWAY AND DRAINAGE PLAN AND PROFILE

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Project No.
1.08
Drawing No.
Sheet 8 of 9

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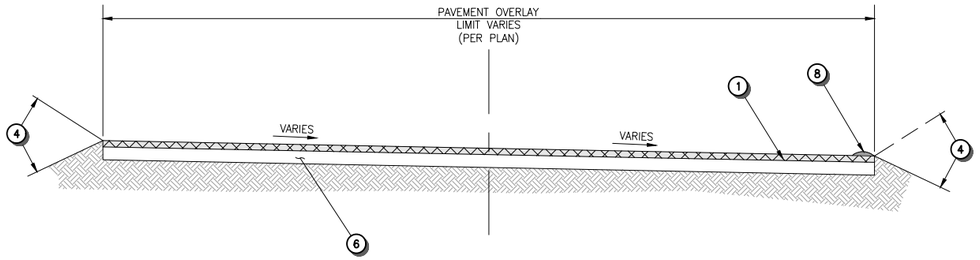
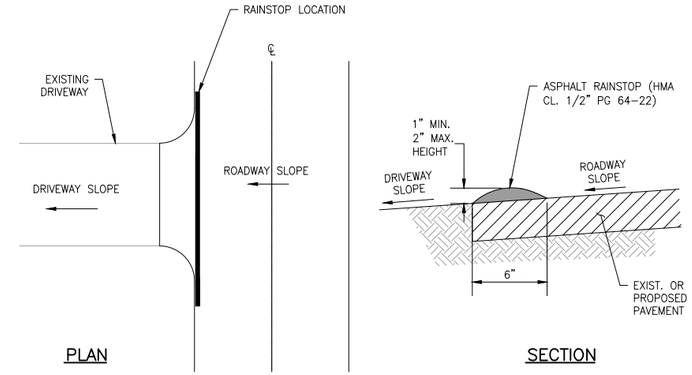


PAVEMENT PLANING AND OVERLAY SECTION

NOT TO SCALE

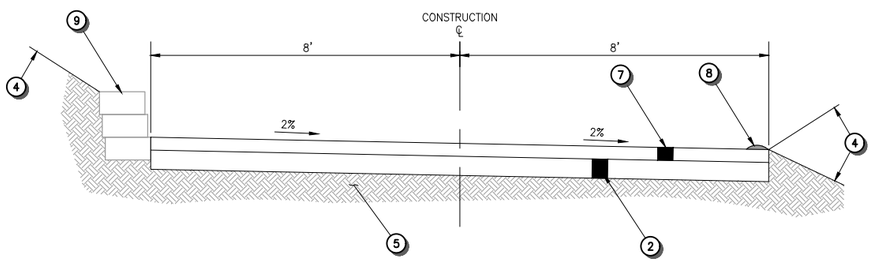
PAVEMENT SECTION NOTES

1. GRIND EXISTING ROADWAY, AND OVERLAY WITH 2" HMA CLASS 1/2" PG 64-22.
2. 6" CRUSHED SURFACE TOP COURSE (CSTC).
3. NOT USED.
4. EXISTING GRADE OR PROPOSED FINISHED GRADE. FINISHED GRADE SHALL NOT BE STEEPER THAN 3H:1V UNLESS NOTED OTHERWISE.
5. SUBGRADE COMPACTED TO 95% OF MAXIMUM DENSITY PER ASTM D-1557. SUBGRADE TO CONSIST OF UNDISTURBED NATIVE MATERIALS OR STRUCTURAL FILL. STRUCTURAL FILL MATERIAL TO CONSIST OF SUITABLE ON-SITE MATERIALS OR GRAVEL BORROW.
6. EXISTING HMA PAVEMENT.
7. 4" HMA, CLASS ½" PG 64-22.
8. RAINSTOP, LIMITS PER PLAN.
9. GRAVITY BLOCK WALL, LIMITS PER PLAN.



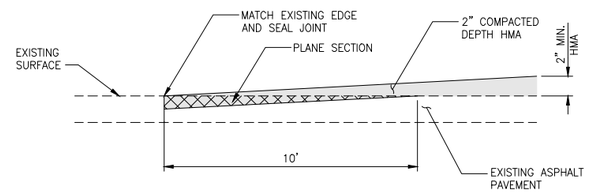
RAINSTOP DETAIL

NOT TO SCALE



FULL DEPTH PAVEMENT SECTION

NOT TO SCALE



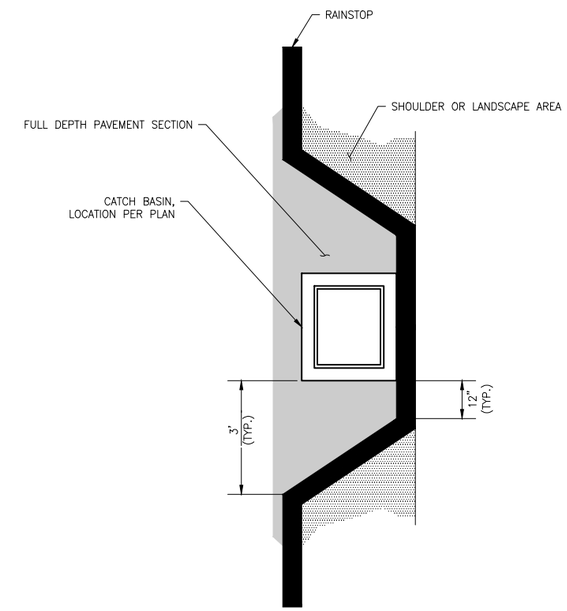
BUTT JOINT

NOTES:

1. PLANE EXISTING PAVEMENT AS SHOWN. PROVIDE MIN. 2" DEPTH FOR NEW PAVEMENT AT MATCH.
2. PROVIDE TEMPORARY ASPHALT RAMP UNTIL FINAL PAVING.

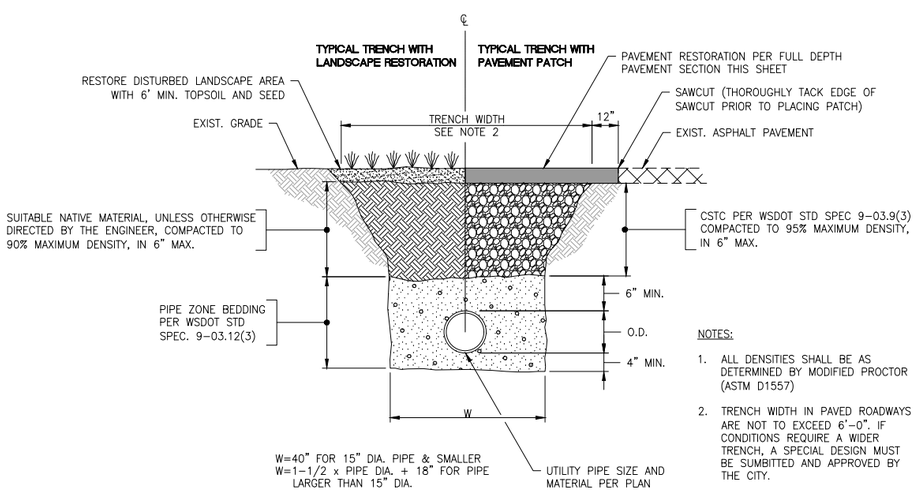
PAVEMENT PLANING

NOT TO SCALE



CATCH BASIN APRON

NOT TO SCALE

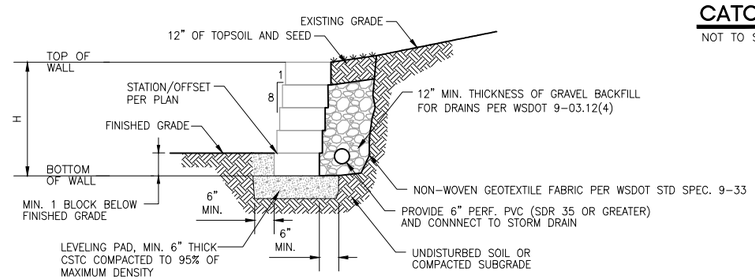


NOTES:

1. ALL DENSITIES SHALL BE AS DETERMINED BY MODIFIED PROCTOR (ASTM D1557)
2. TRENCH WIDTH IN PAVED ROADWAYS ARE NOT TO EXCEED 6'-0". IF CONDITIONS REQUIRE A WIDER TRENCH, A SPECIAL DESIGN MUST BE SUMBITTED AND APPROVED BY THE CITY.

TYPICAL TRENCH DETAIL

NOT TO SCALE



NOTE:

1. MODULAR BLOCK WALL SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

WALL TABLE				
STATION	OFFSET	TOP OF WALL	BOTTOM OF WALL	H
18+50.00	8.50 LT	118.10	116.50	1.60
18+60.00	8.50 LT	118.25	116.70	1.55
18+80.00	8.50 LT	118.96	117.00	1.96
19+00.00	8.50 LT	119.28	117.31	1.97
19+20.00	8.50 LT	118.93	117.62	1.31
19+40.00	8.50 LT	118.65	117.38	1.27
19+60.00	8.50 LT	118.20	117.19	1.01

GRAVITY (MODULAR) BLOCK WALL

NOT TO SCALE

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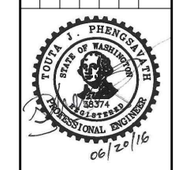

CITY OF MEDINA
2016 STORM DRAINAGE IMPROVEMENTS – MIDLAND ROAD
DETAILS

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