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KCRD
RED ROAD
GIS BNDY

CITY OF MEDINA

MEDINA PARK

NORTH PARKING IMPROVEMENTS

June 2016

otak
HanmiGlobal Partner
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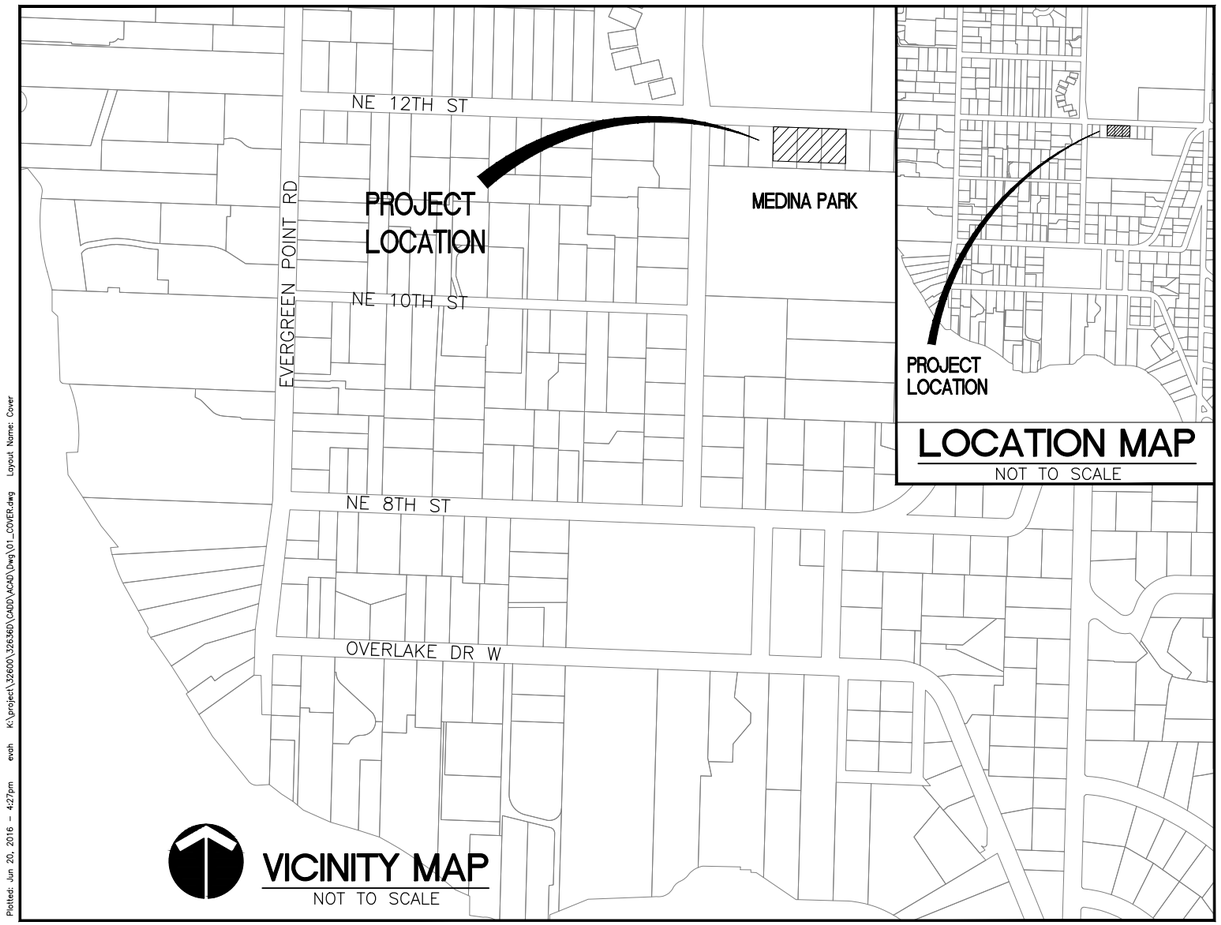

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Plotted: Jun 20, 2016 - 4:27pm evah K:\project\32600\32536D\CADD\ACAD\Dwg\01_COVER.dwg Layout Name: Cover

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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
		TREE REMOVAL
		STORM INLET PROTECTION
		SHRUB

LINE AND HATCHING LEGEND

EXISTING	PROPOSED	DESCRIPTION
		RIGHT OF WAY CENTERLINE
		RIGHT OF WAY MARGIN
		PROPERTY LINE
		CITY BOUNDARY
X X		CHAIN LINK FENCE
		WOOD FENCE
W W		WATER LINE
SS		SEWER LINE (<12")
		SEWER LINE (>12")
SD		STORM DRAIN LINE (<12")
		STORM DRAIN LINE (>12")
P P		POWER LINE
OHL		AERIAL LINE
G 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
		CLEARING/GRUBBING LIMITS
		SAWCUT LINE
		WATTLE
		REMOVAL AREA
		HMA PAVEMENT
		FULL DEPTH ASPHALT CONCRETE PAVEMENT
		CEMENT CONCRETE PAVEMENT
		GRAVEL PATH
		PLANTER BED 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
C	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
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
N	NORTH
NE	NORTHEAST
NO.	NUMBER
NW	NORTHWEST
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER

ABBREVIATION	NAME OR PHRASE
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
WS	WATER SURFACE
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

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 OF MEDINA CONSTRUCTION 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
MEDINA PARK PARKING IMPROVEMENTS
LEGEND, ABBREVIATIONS, AND GENERAL NOTES

otak
HammGlobal Partner
32636D
Project No.
1.02
Drawing No.
Sheet 2 of 6

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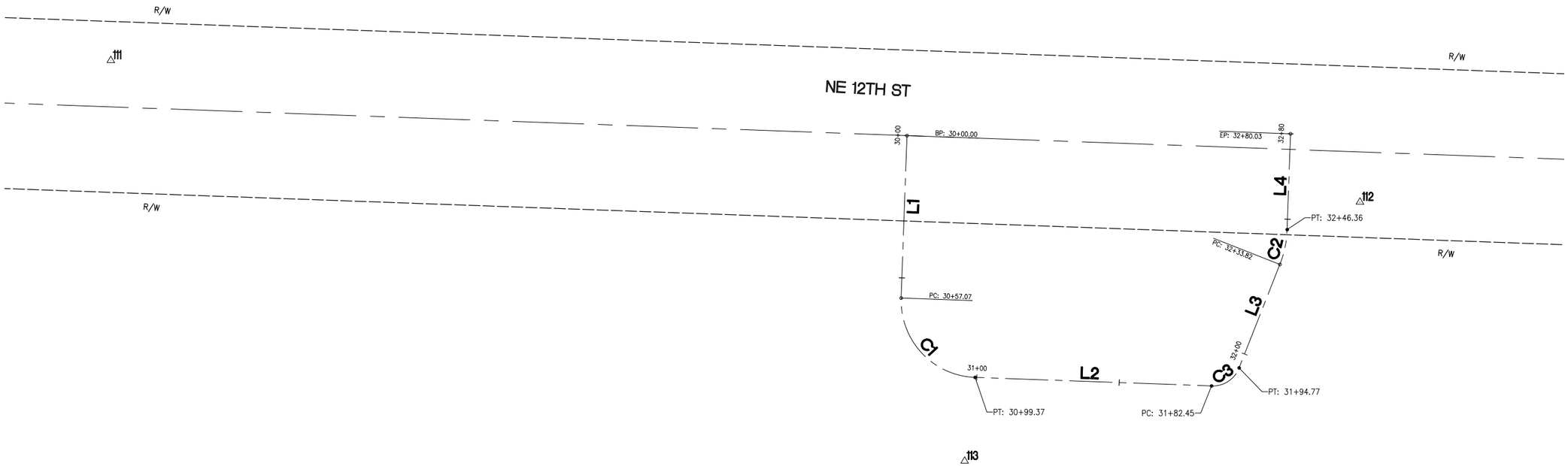

SURVEY MAPPING NOTES

1. HORIZONTAL DATUM: NAD 83/2011 NOTE: PROJECT CONTROL WAS ESTABLISHED BY CONSTRAINING TO SPC COORDINATES, AT CITY OF BELLEVUE SURVEY CONTROL POINTS 74 & 2454.
2. VERTICAL DATUM: N.A.V.D. 88 PROJECT BENCHMARK CITY OF BELLEVUE SURVEY CONTROL POINT No. V292 ELEV. = 77.50
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.

△ PK NAIL WITH WASHER

SURVEY CONTROL

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
111	229712.89	1295197.04	64.29	PK NAIL W/ WASHER
112	229663.15	1295635.49	57.62	PK NAIL W/ WASHER
113	229572.18	1295496.74	57.74	PK NAIL W/ WASHER

ALIGNMENT - MEDINA PARK

NUMBER	STATION	LENGTH	RADIUS	BEARING	DELTA
L1	30+00.00	57.07'		S2°03'50"W	
C1	30+57.07	42.30'	26.93'	S42°56'10"E	90°00'00"
L2	30+99.37	83.08'		S87°56'10"E	
C3	31+82.45	12.32'	10.00'	N56°46'23"E	70°34'54"
L3	31+94.77	39.05'		N21°28'56"E	
C2	32+33.82	12.54'	37.00'	N11°46'23"E	19°25'06"
L4	32+46.36	33.68'		N2°03'50"E	

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

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

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

CITY OF MEDINA
MEDINA PARK PARKING IMPROVEMENTS
SURVEY CONTROL PLAN

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Project No.
1.03

Drawing No.
Sheet 3 of 6

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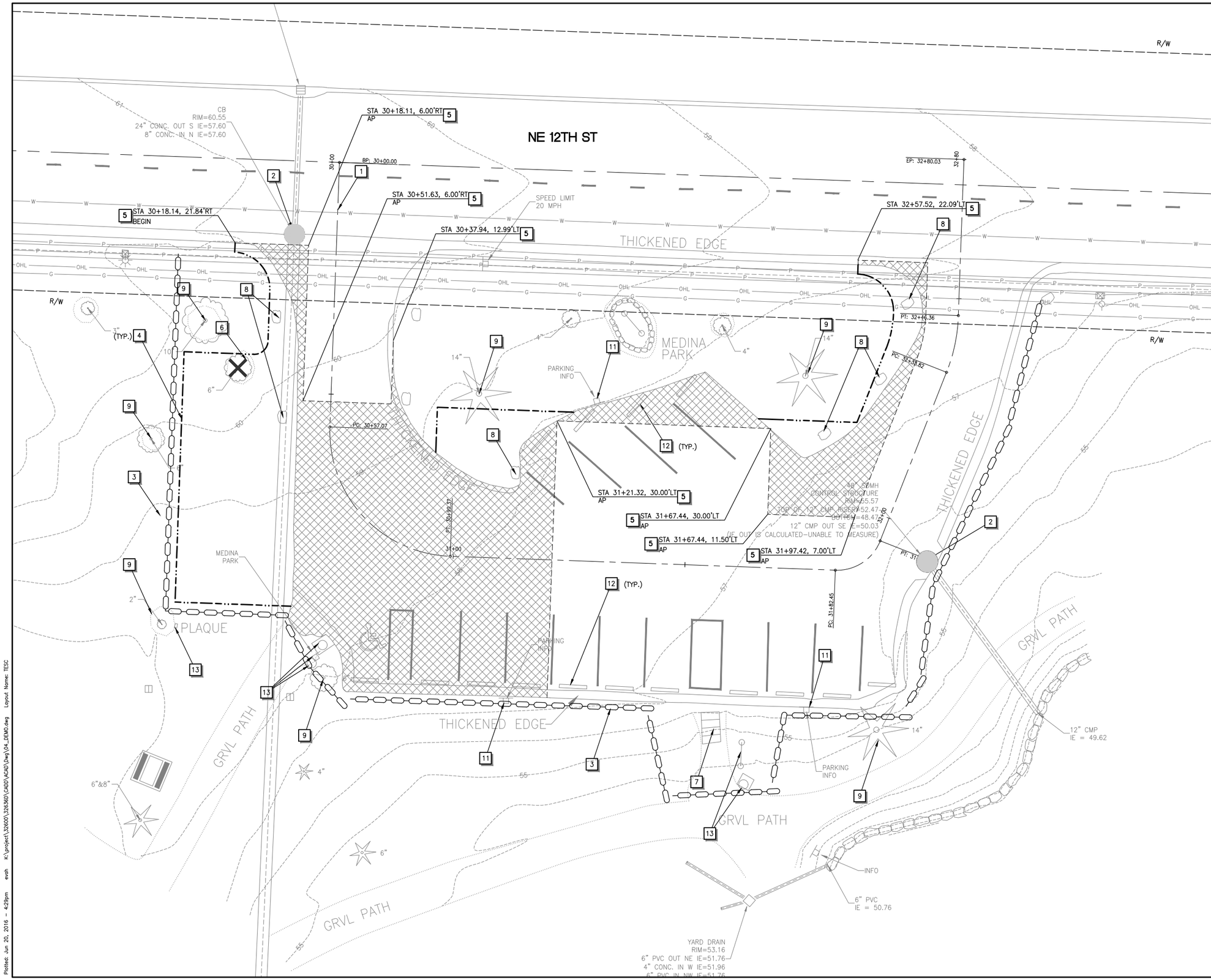

TESC AND DEMOLITION NOTES

1. CONSTRUCTION CENTERLINE, SEE SHEET 1.03 FOR DETAILS.
2. INSTALL STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00.
3. INSTALL WATTLE PER WSDOT STD PLAN I-30.30-01.
4. CLEARING AND GRUBBING, LIMITS PER PLAN.
5. SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE PAVEMENT, LIMITS PER PLAN.
6. REMOVE EXISTING TREE(S)/SHRUB(S).
7. REMOVE EXISTING STAIRS.
8. RELOCATE EXISTING LANDSCAPE ROCK TO NEW LOCATION AS DIRECTED BY CITY.
9. EXISTING TREE(S)/SHRUB(S) TO REMAIN, PROTECT DURING CONSTRUCTION.
10. EXISTING UTILITY TO REMAIN, PROTECT DURING CONSTRUCTION.
11. SALVAGE SIGN FOR LATER INSTALLATION.
12. SALVAGE EXISTING WHEEL STOP AND DELIVER TO CITY MAINTENANCE YARD. COORDINATE WITH CITY PRIOR TO WORK.
13. EXISTING LANDSCAPE FEATURES OR STRUCTURES TO REMAIN, PROTECT DURING CONSTRUCTION.

LEGEND

- REMOVAL AREA
- SAWCUT LINE
- CLEARING AND GRUBBING LIMITS
- WATTLE
- INLET PROTECTION
- TREE REMOVAL

GENERAL TESC NOTES

1. LOCATION OF TESC MEASURES SHOWN ARE APPROXIMATE AND SHALL BE FIELD LOCATED TO ACCOMMODATE SITE CONDITIONS AND WORK SCHEDULE.
2. THE CONTRACTOR SHALL NOT REMOVE ANY TREES WITHIN THE WORKING LIMITS OF THE PROJECT NOT IDENTIFIED FOR REMOVAL WITHOUT APPROVAL FROM THE ENGINEER.

10' 0' 10' 20'
SCALE IN FEET

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

CITY OF MEDINA
MEDINA PARK PARKING IMPROVEMENTS
TESC AND DEMOLITION PLAN

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Project No.
1.04
Drawing No.
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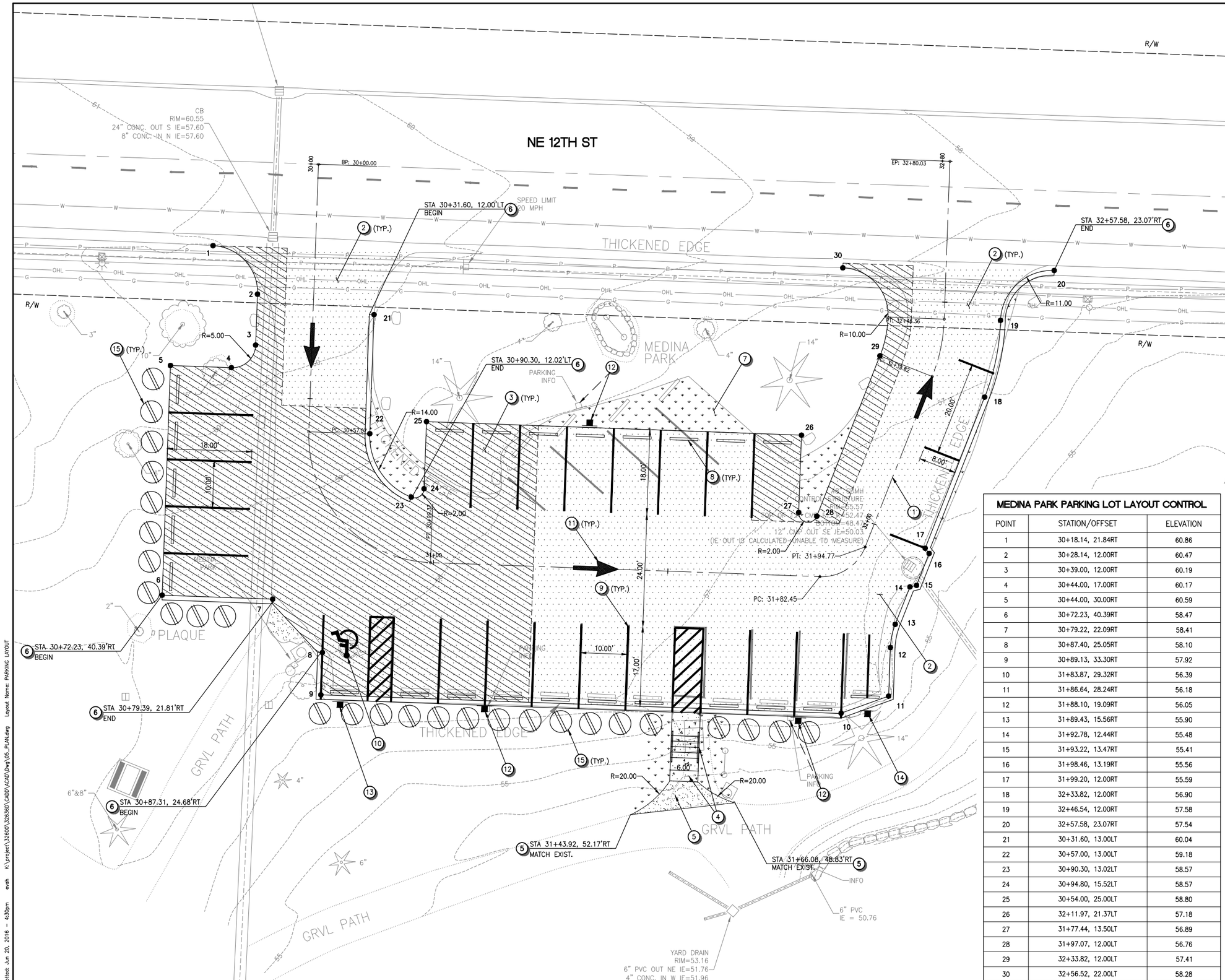

CONSTRUCTION NOTES

1. CONSTRUCTION CENTERLINE, SEE SHEET 1.03 FOR DETAILS.
2. GRIND AND OVERLAY, LIMITS PER PLAN. SEE SHEET 1.06 FOR DETAILS.
3. CONSTRUCT FULL DEPTH ASPHALT CONCRETE PAVEMENT. LIMITS PER PLAN. SEE SHEET 1.06 FOR DETAILS.
4. INSTALL CONCRETE STAIRS AND LANDING WITH RAILING. SEE SHEET 1.06 FOR DETAILS.
5. CONSTRUCT GRAVEL PATH (4" THICK CSTC), MATCH ELEVATION AT STAIRWAY LANDING AND EXISTING GRAVEL PATH.
6. INSTALL ASPHALT WEDGE, SEE SHEET 1.06 FOR DETAILS.
7. RESTORE DISTURBED LANDSCAPE AREA WITH 6" MIN. TOPSOIL AND SEED, LIMITS PER PLAN.
8. NEW WHEEL STOP TO BE SUPPLIED AND INSTALLED BY CITY.
9. INSTALL 4" WHITE PAINT LINE.
10. INSTALL ACCESSIBLE PARKING SPACE SYMBOL PER WSDOT STD PLAN M-17.10-02.
11. INSTALL TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02.
12. REINSTALL SALVAGED SIGN AT LOCATION SHOWN.
13. INSTALL RESERVED PARKING SIGN, R7-8 (12"x18").
14. INSTALL MOTORCYCLE PARKING ONLY SIGN, R7-5-16 (12"x18").
15. NEW SHRUB TO BE PLANTED BY CITY.

LEGEND

- HMA PAVEMENT
- FULL DEPTH ASPHALT CONCRETE PAVEMENT
- CEMENT CONCRETE PAVEMENT
- GRAVEL PATH
- LANDSCAPE RESTORATION
- SHRUB (BY OTHERS)

GENERAL NOTES

1. ALL DIMENSIONS AND STATION AND OFFSET REFERENCES ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.

MEDINA PARK PARKING LOT LAYOUT CONTROL

POINT	STATION/OFFSET	ELEVATION
1	30+18.14, 21.84RT	60.86
2	30+28.14, 12.00RT	60.47
3	30+39.00, 12.00RT	60.19
4	30+44.00, 17.00RT	60.17
5	30+44.00, 30.00RT	60.59
6	30+72.23, 40.39RT	58.47
7	30+79.22, 22.09RT	58.41
8	30+87.40, 25.05RT	58.10
9	30+89.13, 33.30RT	57.92
10	31+83.87, 29.32RT	56.39
11	31+86.64, 28.24RT	56.18
12	31+88.10, 19.09RT	56.05
13	31+89.43, 15.56RT	55.90
14	31+92.78, 12.44RT	55.48
15	31+93.22, 13.47RT	55.41
16	31+98.46, 13.19RT	55.56
17	31+99.20, 12.00RT	55.59
18	32+33.82, 12.00RT	56.90
19	32+46.54, 12.00RT	57.58
20	32+57.58, 23.07RT	57.54
21	30+31.60, 13.00LT	60.04
22	30+57.00, 13.00LT	59.18
23	30+90.30, 13.02LT	58.57
24	30+94.80, 15.52LT	58.57
25	30+54.00, 25.00LT	58.80
26	32+11.97, 21.37LT	57.18
27	31+77.44, 13.50LT	56.89
28	31+97.07, 12.00LT	56.76
29	32+33.82, 12.00LT	57.41
30	32+56.52, 22.00LT	58.28

10' 0' 10' 20'
SCALE IN FEET

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

CITY OF MEDINA
MEDINA PARK PARKING IMPROVEMENTS
SITE PLAN

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1.05
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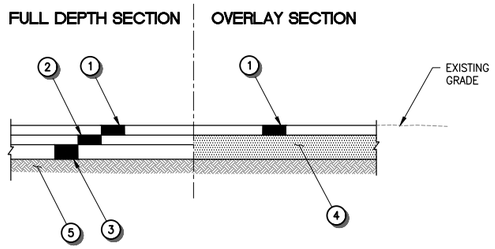
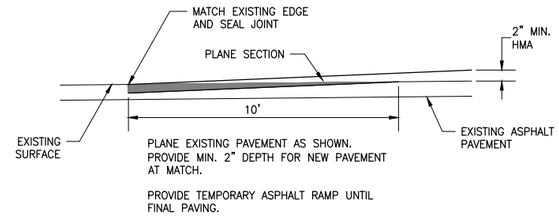


1. 2" HMA, CLASS 1/2" PG 64-22, OVERLAY.
2. 2" HMA, CLASS ½" PG 64-22.
3. 4" CRUSHED SURFACE TOP COURSE (CSTC).
4. EXISTING HMA PAVEMENT.
5. UNDISTURBED NATIVE MATERIALS OR STRUCTURAL FILL. STRUCTURAL FILL MATERIALS TO CONSIST OF SUITABLE ON-SITE MATERIALS OR CRUSHED SURFACING TOP COURSE AS DESCRIBED IN SPECIFICATIONS, COMPACTED TO 95% OF MAXIMUM DENSITY PER ASTM D-1557.

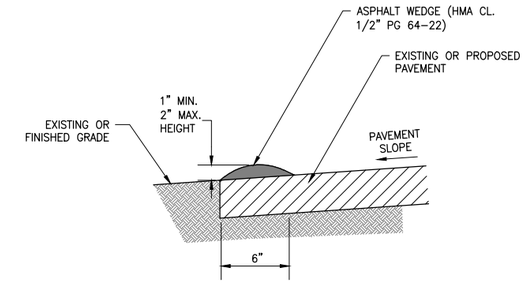
PAVEMENT SECTION

NOT TO SCALE



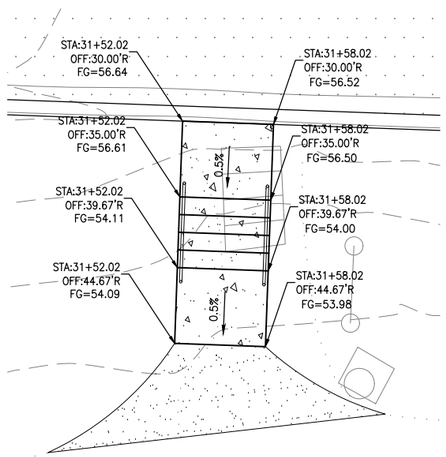
PAVEMENT PLANING

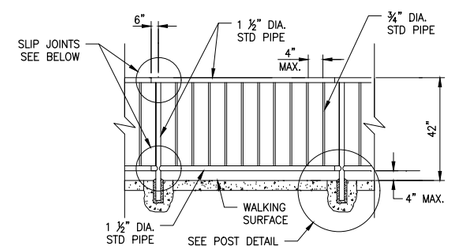
NOT TO SCALE

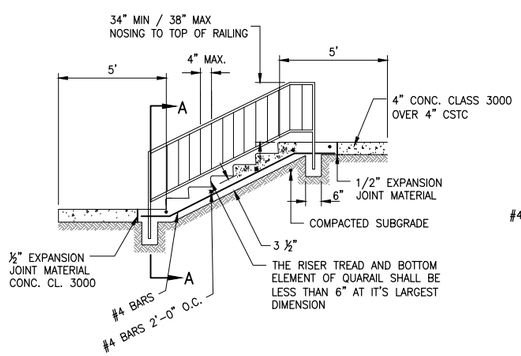


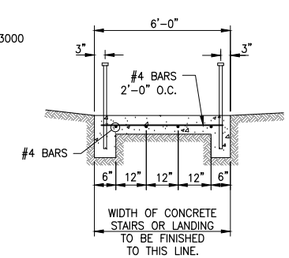
ASPHALT WEDGE

NOT TO SCALE









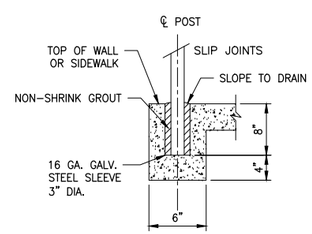
SECTION A-A

NOTES:

1. HEIGHT OF RAILING SHALL BE 36" MINIMUM, 38" MAXIMUM TOP OF NOSING TO TOP OF RAILING.
2. PEDESTRIAN RAILING SHALL BE CONSTRUCTED AS SHOWN.
3. CLEAR SPACE BETWEEN BALUSTERS SHALL BE A MAXIMUM OF 4".
4. ALL STEPS SHALL HAVE HANDRAIL ON BOTH SIDES.
5. CEMENT CONCRETE SHALL BE CLASS 3000, BROOM FINISH.
6. NUMBER OF STEPS SHALL SUIT INDIVIDUAL CONDITIONS, WITH TREAD AND RISER DIMENSIONS TO SUIT THE GRADE.
7. RISER SHALL BE 5", AND TREAD SHALL BE 14".
8. STAIR SHALL BE CONSTRUCTED TO PROVIDE UNIFORM RISER AND TREAD.

CONCRETE STAIR AND RAILING

NOT TO SCALE



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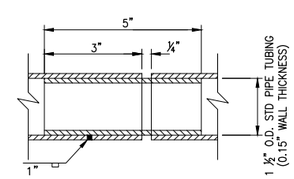
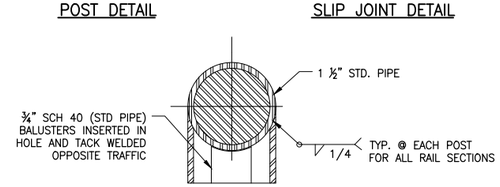


SLIP JOINT DETAIL



NOTES:

1. MATERIAL FOR PEDESTRIAN HANDRAIL SHALL BE ALUMINUM (ASTM B-429).
2. PROVIDE SLIP JOINTS AT STAIRWAY EXPANSION JOINTS.
3. MAXIMUM OF 4" CLEAR SPACE BETWEEN BALUSTERS.

RAILING DETAIL

NOT TO SCALE

CALL BEFORE YOU DIG
1-800-424-5555

NO.	DATE	BY	Checked Approval	REVISIONS

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

CITY OF MEDINA
MEDINA PARK PARKING IMPROVEMENTS
DETAILS

otak
Harris|Global Partner

32636D
Project No.
1.06
Drawing No.
Sheet 6 of 6

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Plotted: Jun 20, 2016 - 4:31pm evah K:\project\32600\32636D\CADD\ACAD\Dwg\06_DETAILS.dwg Layout Name: Layout1